

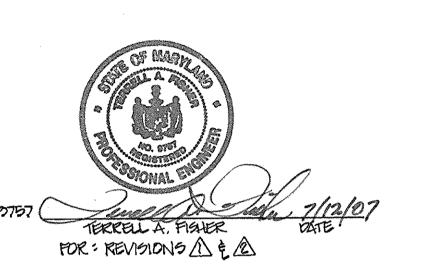
BENCHMARK INFORMATION B.M.º1 - HOWARD COUNTY CONTROL STATION 91012 (NAD '03) (NEAR THE INTERSECTION OF MARYLAND ROUTE 99 & WOODSTOCK ROAD) N 601.060.177 £ 1,345,336,750 ELEVATION = 445.577 B.M. . 2 - HOWARD COUNTY CONTROL STATION . 16E1 (NAD '03) (NEAR THE INTERSECTION OF U.S. ROUTE 40 & MARRIOTTSVILLE ROAD)

EX. GOLF CART PATH

CONNECT TO EX. 8°W W/ 8°x8" TAPPING SLEEVE

ELEVATION = 509.924

N 599500 PROJECT: GTW'S WAVERLY WOODS SECTION 13: BULK PARCEL 'F' THE ENCLAVE AT WAVERLY WOODS water a sewer main extensions CONTRACT NO. 24-4112-D 1 598000 FUTURE 12" W:-(CONT. NO. 44-4154-D) EX. 0° 5; (CONT. NO. 24-3456-D) - FUTURE 12" W; (CONT. NO. 44-4154-D) INTERSTATE WATER & SEWER CODE PLAN REFERENCE NUMBERS:



DEVELOPER'S CERTIFICATION

I/WE HEREBY CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT THE 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 CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY."

W. Karled FOR: MAMERLY NEODS DEVELOPMENT COMP. 04/18/06 SIGNATURE OF DEVELOPER

ENGINEER'S CERTIFICATION

" 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 IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

SIGNATURE OF ENGINEER

GP-06-088

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

D.A. NATURAL RESOURCES CONSERVATION SERVICE

THIS DEVELOPMENT IS APPROVED FOR BROWN AND SEDIMENT CONTROL BY HOWARD SOIL CONSERVATION DISTRICT.

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE HOWARD COUNTY DESIGN MANUAL & STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL IN DEVELOPING AREAS AND AS SHOWN ON SDP-08-079.

SIGNATURE OF DEVELOPER

VANGRLY WHOLE DESCRIPTIONER EAT 18/06

STAR CHASER CIRCLE CONNECT 6" 5 TO EX. MH & REFORM CHANNEL BUILD MH OVER & CONNECT MH TO EX. 8"5; STD. DET. G5.14 CONNECT IL WHO TO Y (EX. PRIVATE ROAD) -CONNECT TO EX. 8"W W/ 8"X8" TEE EX. FIRE HYDRANT EX. PUBLIC WATER, SEWER & UTILITY EASEMENT -EX. FIRE HYDRANT EX. 8"W. CONT. *24-4112-D TEX. 8" CONNECT 1/2 WHC TO EX. 8 W: TYPICAL 8" PLUG: LIMIT OF SEWER-MAIN CONSTRUCTION THIS CONTRACT PRIVATE 8"5 WM 5TA. 4+56.50 FIRE HYDRANT BURY LINE ELEV- 503.10 7.0' V.F. SET F.H. 2' BEHIND BEHIND THE SIDEWALK 1P LOT 47 A THE PARTY OF THE E 1343650 EX. 24" 50 EX. 24" 5D E 1343650 PRIVATE 8"5 - EX. WETLANDS 1 LOT 55 OPEN SPACE NON-BUILDABLE GOLF COURSE GIW'S WAVERLY WOODS OPEN SPACE GTW'S WAVERLY WOODS SECTION 12 PLAT NO. 14791 SECTION 13 PLAT NOS. 16941-16962 OPEN SPACE GIW'S WAVERLY WOODS LOT 97 SECTION 13 PLAT NOS. 16941-16962 GIW'S WAVERLY WOODS SECTION 12 PLAT NOS. 14789-14797

PLAN

SCALE: 1" = 50"

GENERAL NOTES

TYPE OF BUILDING: RESIDENTIAL: TOWNHOUSE CONDOMINIUMS

NUMBER OF LOTS & PARCELS: 1 BULK PARCEL: 56 UNITS

TREATMENT PLANT: LITTLE PATUXENT WATER RECLAMATION PLANT

FOR COUNTY USE ONLY

WATER TEST GRADIENT: ______ 880

NO. OF WATER HOUSE CONNECTIONS:

DRAINAGE AREA: LITTLE PATUXENT

NO. OF SEWER HOUSE CONNECTIONS:

WATER NO .:

SEWER NO .:

1. APPROXIMATE LOCATIONS OF EXISTING MAINS ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING MAINS AND SERVICES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED SHALL BE REPAIRED INVEDIATELY TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE.

VICINITY

2. TOPOGRAPHIC FIELD SURVEYS WERE PERFORMED ON OR ABOUT FEBRUARY, 2004 BY FISHER, COLLINS & CARTER, INC. 3. HORIZONTAL AND VERTICAL CONTROLS: THE COORDINATES SHOWN ON THE DRAWINGS ARE BASED ON MARYLAND STATE REFERENCE SYSTEM NAD '03/91' AS PROJECTED

BY HOWARD COUNTY GEODETIC CONTROL STATIONS NO. 1012 & NO. 16EL SEE THIS SHEET FOR BENCHMARK INFORMATION. ALL VERTICAL CONTROLS ARE BASED ON NAVD '80. VERTICAL CONTROLS ARE BASED ON TRAVERSE POINT NO. 905, AN IRON PIPE SET ON THE WEST SIDE OF STAR CHASER CIRCLE, ELEV. 504.48 A ALL DIDE ELEVATIONS SHOWN ADE INVEST ELEVATIONS LINEESS OTHER WITCH NOTED ON THE DEANS

5. CLEAR ALL UTILITIES BY A MINIMUM OF 12 INCHES. CLEAR ALL POLES BY 5'-0" MINIMUM OR TUNNEL AS REQUIRED UNLESS OTHERWISE 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 BRACING OF ADDITIONAL POLES, ANY COST INCURRED BY THE OWNER FOR THE BRACING OF THE ADDITIONAL POLES OR DAMAGES SHALL BE DEDUCTED FROM MONIES OWED THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANIES TO SCHEDULE THE BRACING OF

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 SITE 7. WHERE TEST PITS HAVE BEEN MADE ON EXISTING UTILITIES, THEY ARE NOTED BY THE SYMBOL @ AT THE LOCATIONS OF THE TEST PITS. 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.

0. THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITY COMPANIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE 5 THE CONTRACTOR SHOWN ON THESE PLANS:
AT&T 1-800-252-1133

BGE (CONSTRUCTION SERVICES) 410-050-4620 BGE (EMERGENCY) 410-685-1400 BUREAU OF UTILITIES 410-313-4900 . . 410-795-1390 COLONIAL PIPELINE CO . MISS UTILITY 1-800-257-7777 STATE HIGHWAY ADMINISTRATION 410-531-5533 VERIZON 1-800-743-0033/410-224-9210

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.

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 THE CONSTRUCTION OF THE MAIN.

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(2) OF THE HOWARD

PART II: WATER

1. ALL WATER MAINS SHALL BE DIP. CLASS 52 UNLESS OTHERWISE NOTED. 2. TOPS OF ALL WATER MAINS SHALL HAVE A MINDRUM OF 3'-5" OF COVER UNLESS OTHERWISE NOTED.

3. VALVES ADJACENT TO TEES SHALL BE STRAPPED TO TEES. 4. ALL FITTINGS SHALL BE BUTTRESSED OR ANCHORED WITH CONCRETE IN ACCORDANCE WITH STANDARD DETAILS UNLESS OTHERWISE

PROVIDED FOR ON THE DRAWINGS.

5. FIRE HYDRANTS SHALL BE SET TO THE BURY LINE ELEVATIONS SHOWN ON THE DRAWINGS. ALL FIRE HYDRANTS SHALL BE INSTALLED IN ACCORDANCE WITH STANDARD DETAILS. THE SOIL AROUND THE FIRE HYDRANT SHALL BE COMPACTED IN

ACCORDANCE WITH SECTION 1000 AND SECTION 1005 OF THE STANDARD SPECIFICATIONS. 6. THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING WATER SYSTEM.

PART III: <u>SEWER</u>

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

2. ALL MANHOLES SHALL BE 4'-0" INSIDE DIAMETER UNLESS OTHERWISE NOTED. 3. FORCE MAINS SHALL BE DLP. ONLY.

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

5. MANHOLES DESIGNATED W.T. IN PLAN AND PROFILE SHALL HAVE WATERTIGHT FRAME AND COVER, STANDARD DETAIL G5.52. WHERE WATERTIGHT MANHOLE FRAMES AND COVERS ARE USED, SET TOP OF FRAME 1'-5" ABOVE FINISHED GRADE UNLESS OTHERWISE NOTED ON THE DRAWINGS.

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

CONTRACT NO. 24-4305-D GIV'S WAVERLY WOODS SECTION 13: BULK PARCEL 'F' THE ENCLAVE AT WAVERLY WOODS WATER & SEWER MAIN EXTENSIONS HOWARD COUNTY, MARYLAND

5DP-08-079 F-06-146

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING AND ZONING HOWARD COUNTY, MARYLAND

NOTE: ALL WATER HOUSE CONNECTIONS TO

THE TOWNHOUSE CONDOMINIUMS SHALL BE 1/2" IN 91ZE WITH A 1" METER SETTING,

THE I"WATER METERS SHALL BE INSTALLED IN OUTSIDE METER BOXES. THE

BE STRAPPED TO THE 8" WATER MAIN,

1/2" WATER HOUSE CONNECTION SHALL -





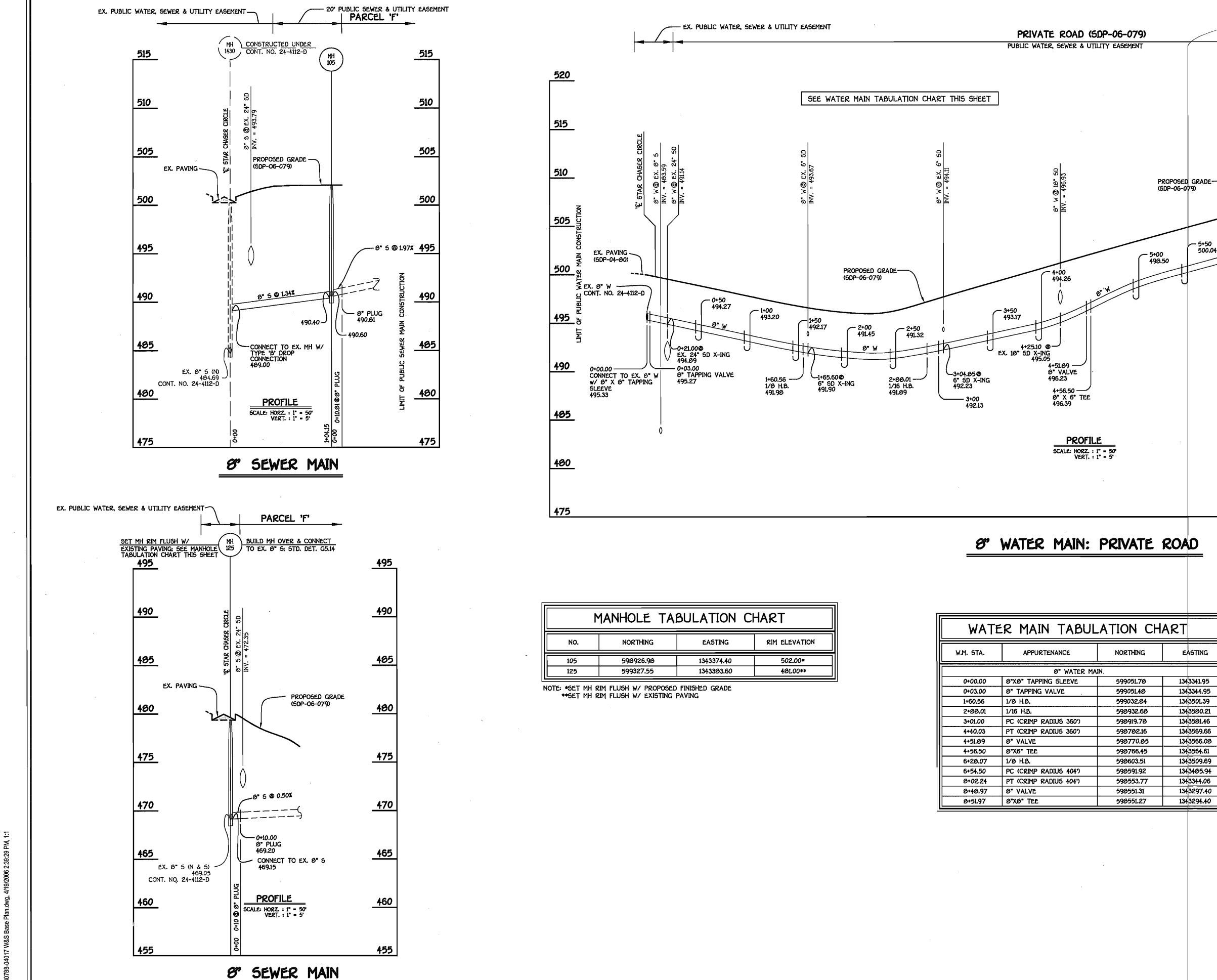
*9757 SE OF MARINE
OS SELLA POLYCE
100 000 00 M
Solona Val
TERREIL À FISHER

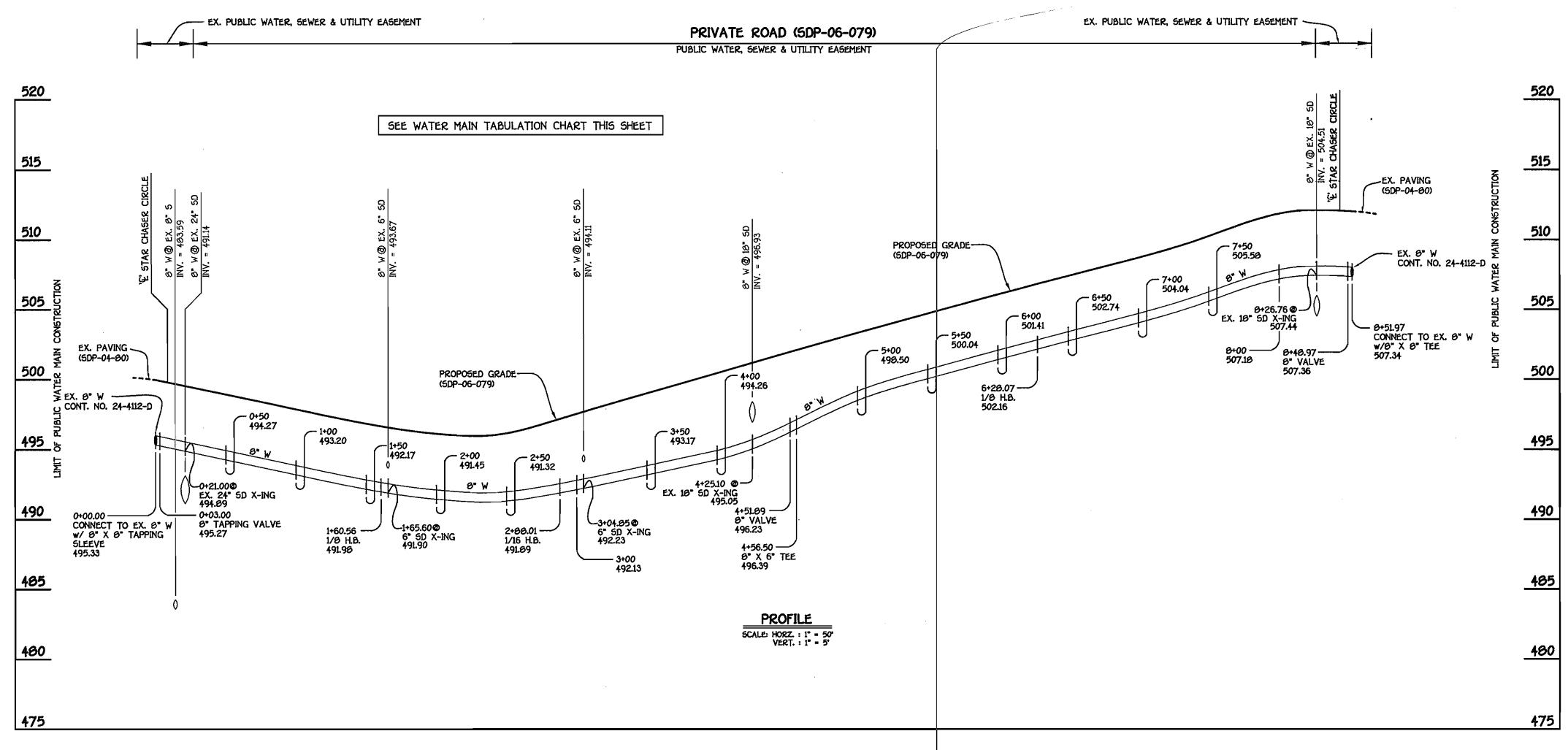
DESIGNED BY : P.W.K.						WATER & SELIER MAINS
DRAWN BY: B.C.R.						WATER & SEWER MAINS PLAN
В	KCI	2	ASBUILT DATA	7/	97	
	BP		ADD 1" OUTSIDE METER BOXES & QUANTITY TO QUANTITIS TABLE	时/1	1/07	600' SCALE MAP NO. 16 BLOCK NO. 5
DATE:	BP	\triangle	REVISE SIZE OF WHC'S FROM 1" TO 11/2" FOR ALL UNITS	7/1	1/07	F.C.C. WORK ORDER NO. 04017-4006
APRIL, 2005	вΥ	NO.	REVISION	D/	ATE	FILE NAME: WATER AND SEWER PLAN SHT 1

GTW'S WAVERLY WOODS

SECTION 13: BULK PARCEL IF THE ENCLAVE AT WAVERLY WOODS CONTRACT NO. 24-4306-D THIRD ELECTION DISTRICT HOWARD COUNTY, MARYLAND

SCALE SHOWN **SHEET** 1 of 2





WAT	ER MAIN TABU	LATION CH	ART
W.M. STA.	APPURTENANCE	NORTHING	EASTING
	0" WATER M	AIN,	
0+00.00	6"X6" TAPPING SLEEVE	599051.78	1343341.95
0+03.00	6" TAPPING VALVE	599051.40	1343344.95
1+60.56	1/8 H.B.	599032.84	1343501.39
2+88.01	1/16 H.B.	598932.68	1343500.21
3+01.00	PC (CRIMP RADIUS 360')	598919.78	1343501.46
4+40.03	PT (CRIMP RADIUS 360°)	598782.16	1343569.66
4+51.09	8" VALVE	598770.85	1343566.00
4+56.50	0"X6" TEE	590766.45	1343564.61
6+20.07	1/0 H.B.	590603.51	1343509.69
6+54.50	PC (CRIMP RADIUS 404')	590591.92	1343405.94
8+02.24	PT (CRIMP RADIUS 404')	590553.77	1343344.06
Ø+4Ø.97	6" VALVE	590551.31	1343297.40
8+51 97	a"YA" TEF	598551.27	1343294.40

Contract no. 24-4306-d GTW'S WAVERLY WOODS SECTION 13: BULK PARCEL TO THE ENCLAVE AT WAVERLY WOODS WATER & SEWER MAIN EXTENSIONS HOWARD COUNTY, MARYLAND

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

FISHER, COLLINS & CARTER, INC. NIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE ELLICOTT CITY, MARYLAND 21042 (410) 461 - 2255

DATE : APRIL, 2006	вү	NO.	REVISION	DATE	FILE N/
CHECKED BY : P.W.K.					
DRAWN BY : B.C.R.				i	
DESIGNED BY :					
	P.W.K. DRAWN BY: B.C.R. CHECKED BY: P.W.K. DATE:	P.W.K. DRAWN BY: B.C.R. CHECKED BY: P.W.K. DATE:	P.W.K. DRAWN BY: B.C.R. CHECKED BY: P.W.K. DATE:	P.W.K. DRAWN BY: B.C.R. CHECKED BY: P.W.K. DATE:	P.W.K. DRAWN BY: B.C.R. CHECKED BY: P.W.K. DATE:

WATER & SEWER MAINS PROFILES

600' SCALE MAP NO. _____16_____ BLOCK NO. _____5_ F.C.C. WORK ORDER NO. 04017-4006 NAME : WATER AND SEWER PROFILE SHT 2

GTW'S WAVERLY WOODS

SECTION 13: BULK PARCEL 'F'
THE ENCLAVE AT WAVERLY WOODS
CONTRACT NO. 24-4306-D THIRD ELECTION DISTRICT HOWARD COUNTY, MARYLAND

SCALE A5 SHOWN 2 of 2

4-26.06