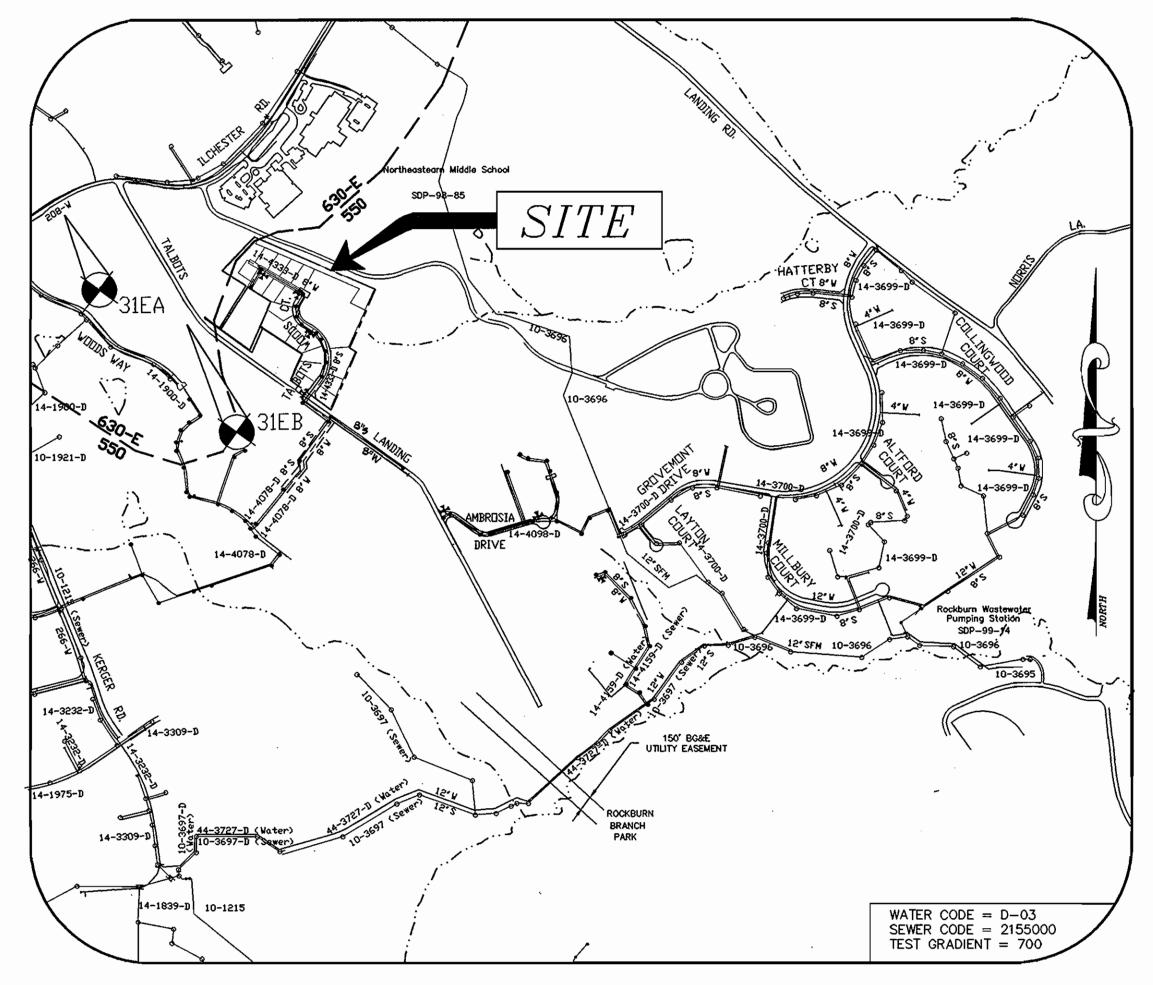
\underline{QUAN}	TITY T	<u>'ABLE</u>				,
ITEMS	QUANTITIES					REVISED
11266	ESTIMATED	QUANTITIES	TYPE	MANUFACTURER/SUPPLIE		TOTAL
STANDARD MH (HO. CO. STD.G-5.01)	18 EACH	15	PRE CAST CONC.	CAPITAL FOUNDRY SAN	1E.	20 EA.
8" SEWER MAIN	2,538 L.F.	1.970 C.F.	PVC	UM MFG/BRS SAN	16	2579 L.F
4" SEWER HOUSE CONNECTION	332 L.F.	285 L.F.	PVC	JM MFG/BRS SAN	Æ	577L.F
# SEWER HOUSE CONNECTIONS	7 EACH	G EA	PVC	JM MFG/BRS SAN	16	19EA.
# MANHOLE SEWER HOUSE CONNECTIONS	4 EACH	3 E A	PVC	JM MFG/BRS SAN	1E	5EA.
8" WATER MAIN	2,599 L.F.	2.015 L.F.	PVC	JM MFG/BRS SAM	ΛE	2564L.F
1" WATER HOUSE CONNECTION	IGG L.F.	135 U.F.	COPPER	READING SAN	1E	468L.F
# 1" WHC	1) EACH	9EA.	STL	MUELLER CO SAN	18	24 EA.
8"x 8" TEE	5 EACH	3EA.	,DI	SICHA CORP. SAN	1E	5EA.
8" CAP & BUTTRESS	7 EACH	4 EA.	CONC	SIGMA CORP. SAN	1E	7EA.
1/8 H.B. (8")	4 EACH	4EA	DI	SIGMA CORP. SAN	1E	4 EA.
1/16 H.B. (8")	⊘ EACH	4 EA.	101	SIGMA CORP. SAI	ΛE	GEA.
1/32 H.B. (8")	8 EACH	8EA	pı	SIGMA CORP. SAN	ΛE	SEA.
F.H.	4 EACH	4 EA	STL	MUELLER CO. SAN	Œ	SEA.
8"x6" F.H.T. & V.	4 EACH	4 EA	D.I. STL	SIGMA CO. SAN	16	5EA.
8" V.	17 EACH	IOEA	STL.	MUELLER CO. SAN	1E	12 E.A.
DEFLECTION COUPLING	6 EACH	4 EA	DI	SIGMA CO. SAN	1E	4EA.
NAME OF UTILITY CONTRACTOR: C.C.S	(CONSOL	DATED CO	NSTRL	CTION SERVICES)		
SURVEY AND DRAFTING DIVISION AS-BU	ILT DATE					

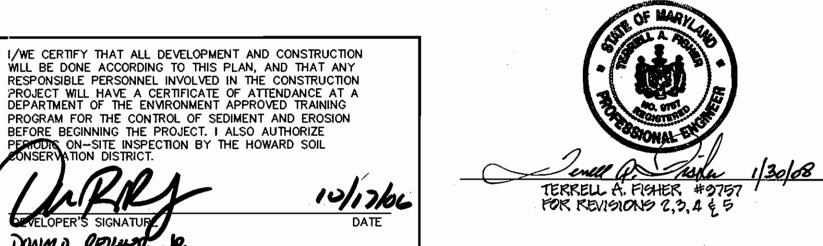
NOTE: SEE SHEET 7 OF 7 FOR ASBUILT DATA .



VICINITY MAP SCALE 1"=600'

TYPE OF BUILDING No. OF UNITS No. OF WATER HOUSE CONNECTION No. OF SEWER HOUSE CONNECTIONS_ DRAINAGE AREA ROCKBURN TREATMENT PLANT ROCKBURN PUMPING STATION

EROSION AND SEDIMENT CONTROL FOR THIS CONTRACT IS PROVIDED UNDER F-06-074



CONTRACT NO.: 14-4333-D TALBOTS WOODS 1 PROPERTY PHASE I

LOTS 1-9 & OPEN SPACE LOTS: 10-13 AND SEWER MAIN EXTENSIONS HOWARD COUNTY, MARYLAND DEPARTMENT OF PUBLIC WORKS

DEVELOPER ELLICOTT CITY LAND HOLDING, INC. 5330 DORSEY HALL DR # 101 ELLICOTT CITY, MD 21042

GENERAL NOTES

- 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 IMMEDIATELY TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
- TOPOGRAPHIC FIELD SURVEYS WERE PERFORMED ON FEBRUARY 2003 BY WINGS AERIAL MAPPING SUPPLEMENTED BY TOPOGRAPHIC SURVEY PERFORMED BY MILDENBERG BOENDER & ASSOCIATES IN AUGUST 2004.
- 3. HORIZONTAL AND VERTICAL SURVEY CONTROLS: THE COORDINATES SHOWN ON THE DRAWINGS ARE BASED ON MARYLAND STATE REFERENCE SYSTEM NAD '83/'91 AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS NO. 43R1 AND NO. 43B2. ALL VERTICAL CONTROLS ARE BASED ON NAVD '29. VERTICAL CONTROLS PROVIDED ON THE DRAWINGS ARE HO.CO. GEODETIC CONTROL STA. 43R1 &
- 4. ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS UNLESS OTHERWISE NOTED ON THE PLANS.
- 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 BRAING 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 THE BRACING OF ADDITIONAL POLES OR DAMAGES SHALL BE DEDUCTED FROM MONIES OWNED THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE
- WITH THE UTILITY COMPLANIES TO SCHEDULE THE BRACING OF THE POLES. 6. FOR DETAILS NOT SHOWN ON THE DRAWING, 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
- 7. WHERE TEST PITS HAVE BEEN MADE ON EXISTING UTILITIES, THAY 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 LOCATEED BY THE CONTRACTOR TWO WEEKS IN ADVANCE OF
- CONSTRUCTION OPERATIONS AT HIS OWN EXPENSE. 8. THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITY COMPANIES OR AGENCIES AT LEASE FIVE WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:

ΑT	&T	1-800-252-1133	
BG	E(CONSTRUCTION SERVICES	S)410-850-4620	
BG	E(EMERGENCY)	410-685-1400	
		410-313-4900	
CC	LONIAL PIPELINE CO	410–795–1390	
MI:	SS UTILITY	1-800-157-7777	
ST	ATE HIGHWAY ADMINISTRA	TION410-531-5533	
VE	RIZON	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 CONSTRACTOR.
- 10. THE CONTRACTOR SHALL REMOVE TREES, STUMPS AND ROOTS ALONG THE LINE OF EXCAVATED. PAYMENT FOR SUCH REMOVAL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR 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(a) OF THE HOWARD COUNTY CODE.
- 12. PLEASE USE CAUTION WHEN EXCAVATING IN THE VICINITY OF OVERHEAD ELECTRIC LINES.

WATER

- 1. ALL WATER MAINS TO BE P.V.C., C-900 UNLESS OTHERWISE NOTED.. 2. TOPS OF ALL WATER MAINS SHALL HAVE A MIMIMUM OF 3'-6" 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
- 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.
- 7. USE "CERTAINTEED" PVC HIGH DEFLECTION COUPLINGS.

- 1. ALL SEWER MAINS SHALL BE P.V.C. OR D.I.P. UNLESS OTHERWISE NOTED. 2. ALL MANHOLES SHALL BE 4'-0" INSIDE DIAMETER UNLESS OTHERWISE

ON THE DRAWINGS.

- 3. FORCE MAINS SHALL BE D.I.P. ONLY. 4. MANHOLES SHOWN WITH 12" AND 16" WALLS ARE FOR BRICK MANHOLES
- 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'-6" ABOVE FINISHED GRADE UNLESS OTHERWISE NOTED ON THE
- 6. HOUSE(S) WITH THE SYMBOL "C.N.S." INDICATED THAT THE CELLAR CANNOT BE SERVED.

INDEX OF DRAWINGS

	NO.	DESCRIPTION
	1	TITLE SHEET
	2	WATER AND SEWER PLAN
	3	Water and sewer man & profile
<u> </u>	4	WATER PROFILE
	5	GEWER PROFILE
	6	GEDIMENT CONTROL PLAN
	7	WATER AND SEWER DETAILS

HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE SOIL

REVIEWED FOR HOWARD SCD AND MEETS TECHNICAL REQUIREMENTS.

USDA-NATURAL RESOURCESSA CONSERVATION SERVICE STAN

CONSERVATION DISTRICT.

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

F-06-074

MILDENBERG. BOENDER & ASSOC., INC. 5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042

REVISE QUANTITIES REVIGE SHEET REFERENCE; CORRECT SPELLING REVISE QUANTITIES AS REQUIRED A REVISE NO. OF UNITS, NO. OF WHO'S & SHO'S FCC ADDITIONAL SHEET INCLLIDED; KEVISE SHEET NO'S. KCI I AS-BUILT DATA SHOWN

TITLE SHEET

TALBOTS WOODS I PROPERTY PHASE

LOTS 1-9, OPEN SPACE LOTS 10-13 9 LOTS 14-24 CONTRACT NO.: 14-4333-D

FIRST ELECTION DISTRICT

4 1 of 7

ASSHOWN

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 HE HOWARD SIL CONSERVATION DISTRICT.

R 1 R

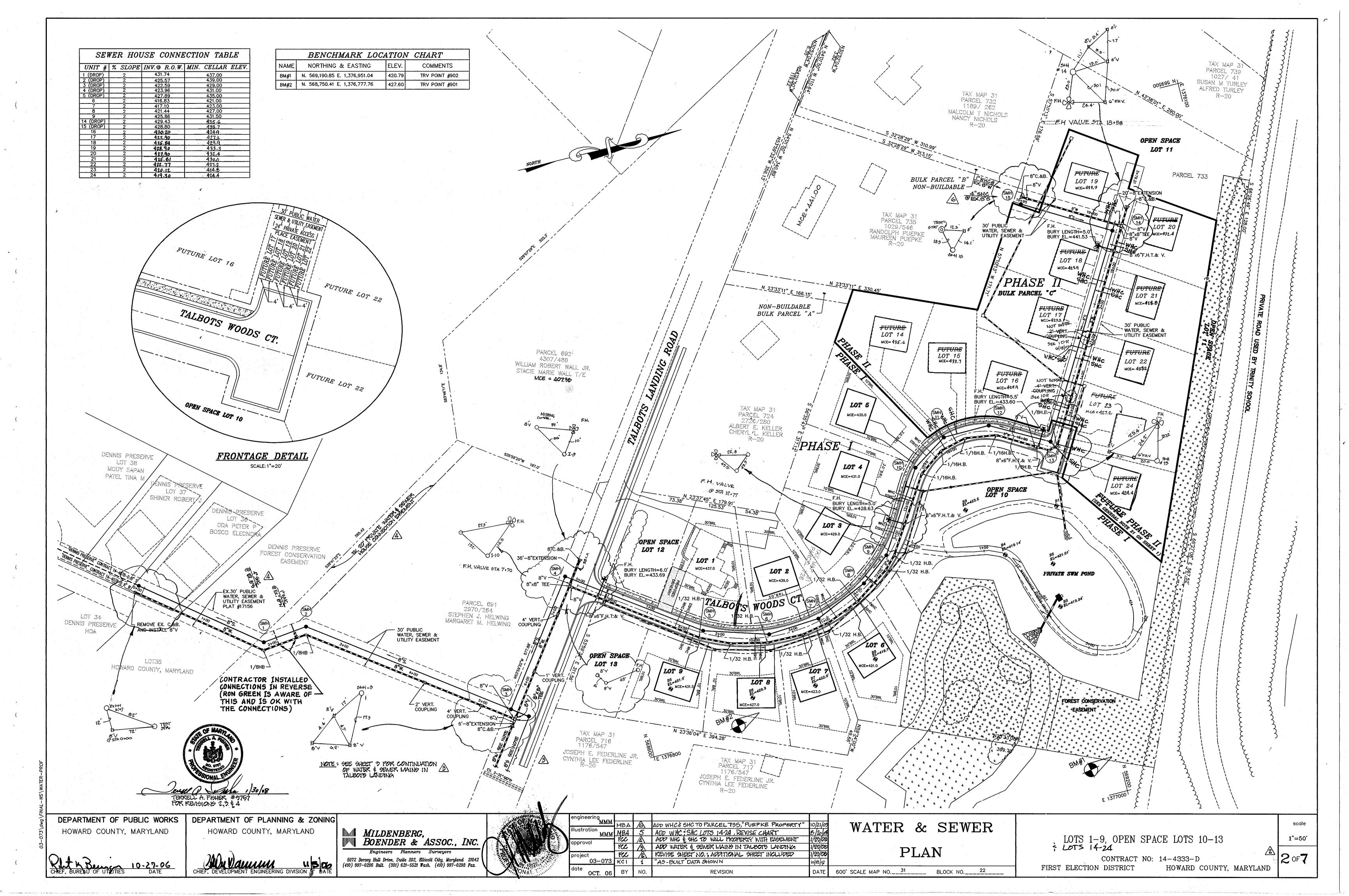
PLAN REFERENCE NUMBERS:

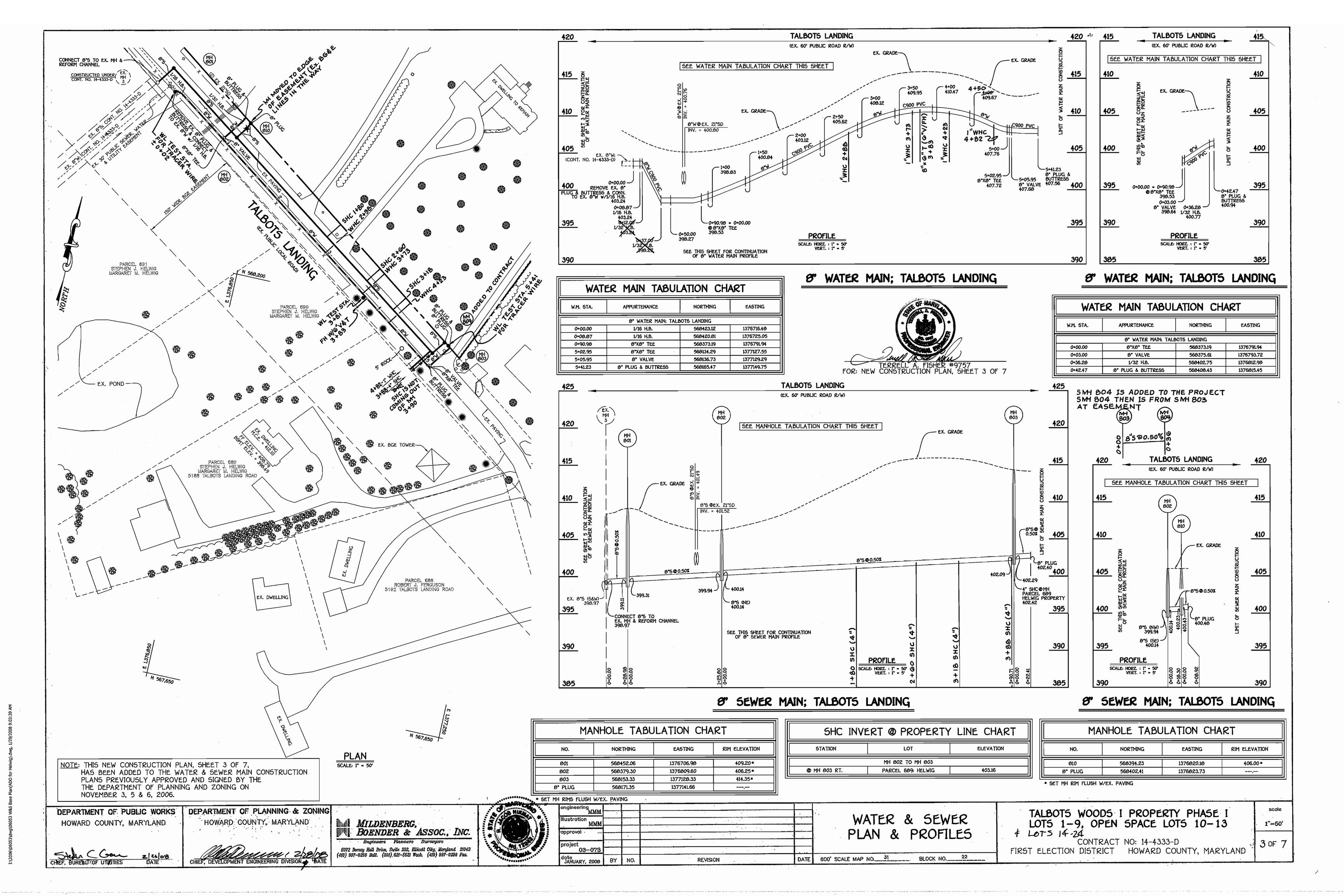
(410) 997-0296 Balt. (301) 621-5521 Wash. (410) 997-0298 Fax.

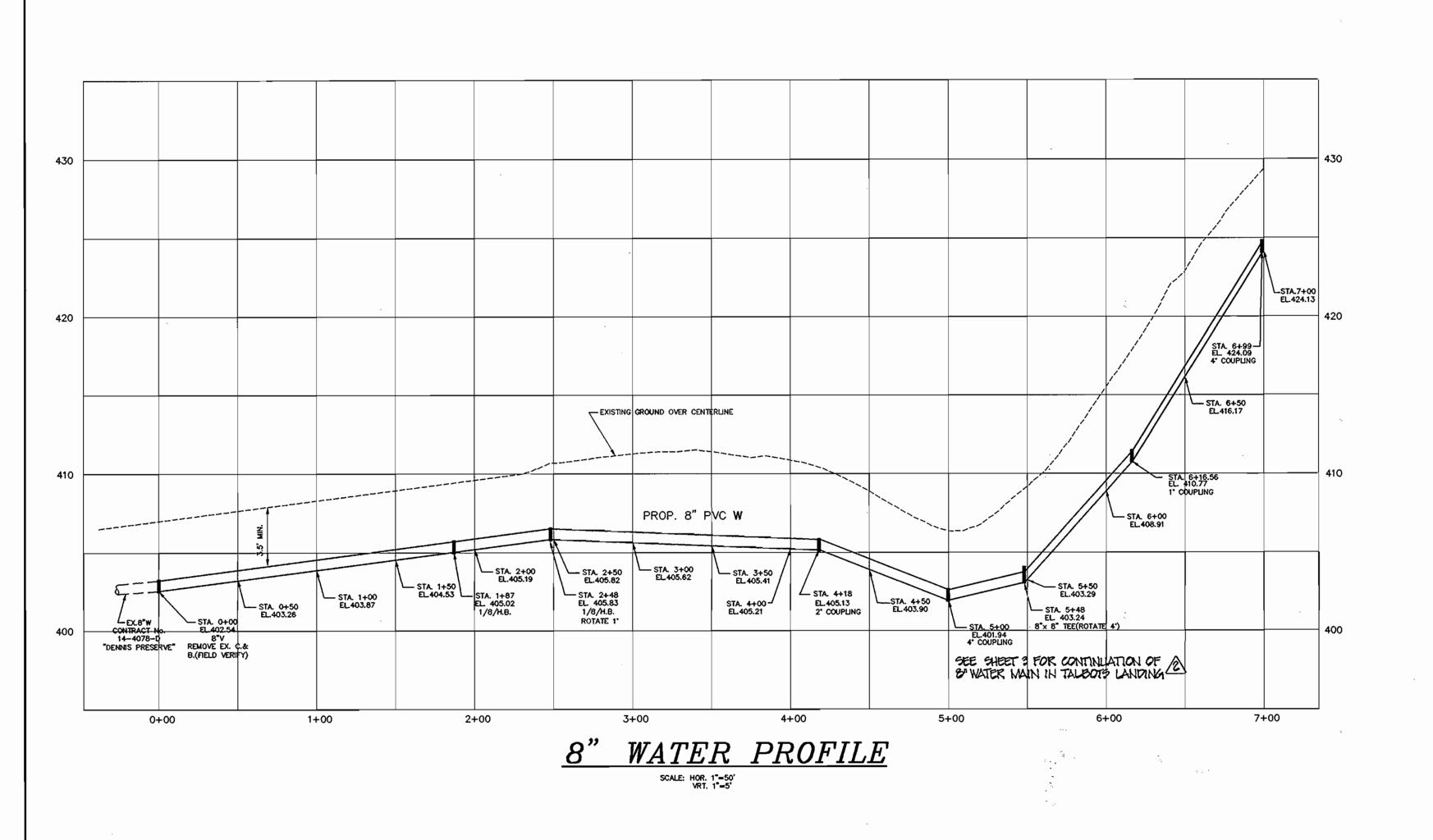
MMM

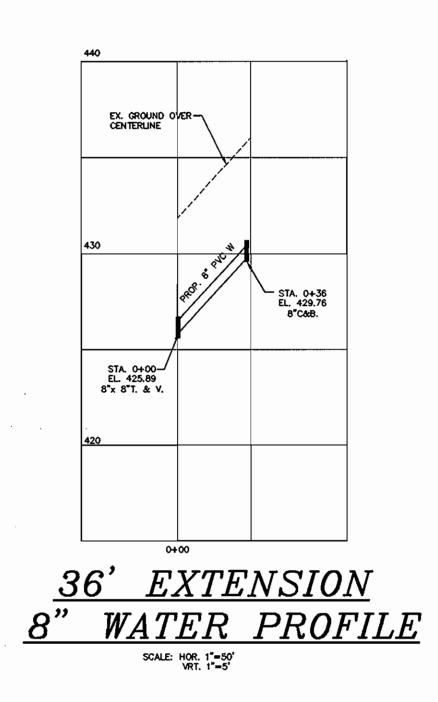
03-073 oct. 06

600' SCALE MAP NO. 31 BLOCK NO. 22

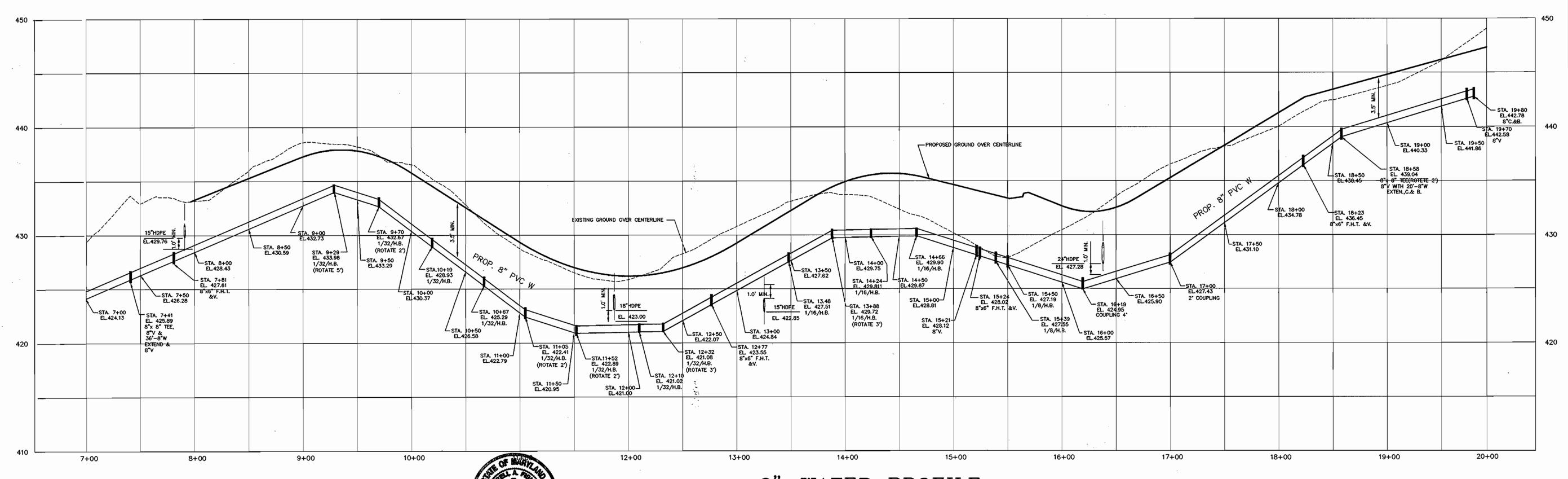








8" WATER MAIN TABULATION CHART NORTHING & EASTING APPURTENANCE N 567,984.8 E 1,376,414.6 8"V. N 568,131.33 E 1,376,532.6 1/8 H.B. N 568,191.2 E 1,376,526.2 1/8"H.B. N 568,239.3 E 1,376,627.9 2° COUPLING N 568,393.8 E 1,376,676.3 4° COUPLING N 568,432.9 E 1,376,705.2 8"x8" T. N 568,473.5 E 1,376,649.9 1° COUPLING N 568,522.9 E 1,376,583.1 4° COUPLING N 568,435.1 E 1,376,702.3 8**"**V N 568,547.3 E 1,376,550.4 8"x8" T. N 568,550.1 E 1,376,552.5 8**"**V N 568,431.0 E 1,376,707.9 8"V TALBOTE WOODS CT. **APPURTENANCE** STATION & OFFSET STA. 0+30; 5.0' RT F.H.T.&V. STA. 0+30; 17.0' LT. F.H. STA. 1+78; 7.3' RT. 1/32 H.B. STA. 2+17; 7.5' RT. 1/32 H.B. STA. 2+65; 7.6' RT. 1/32 H.B. STA. 3+11; 8.0' RT. 1/32 H.B. STA. 3+48; 7.8' RT 1/32 H.B. STA. 3+94; 6.7' RT. 1/32 H.B. STA. 4+50; 6.9' RT. 1/32 H.B. STA. 4+71; 6.3' RT. 1/32 H.B. STA. 5+15; 2.8' RT. F.H.T.&V. F.H. STA. 5+14; 19.3' LT. STA. 5+87; 4.2' RT. 1/16 H.B. STA. 6+29; 5.2' RT. 1/16 H.B. STA. 6+67; 5.4' RT 1/16 H.B. STA. 7+12; 4.4' RT. 1/16 H.B. STA. 7+67; 5.2' RT. 8**"**V STA. 7+70; 5.1' RT. F.H.T.&V. F.H. STA. 7+70; 19.0' LT. STA. 7+85; 5.0' RT 1/8 H.B. STA. 7+94; 3.7' LT 1/8 H.B. NORTHING & EASTING **APPURTENANCE** N 569,258.1 E 1,376,471.7 4° COUPLING N 569,299.3 E 1,376,401.8 2° COUPLING N 569,362.3 E 1,376,295.4 F.H.T & V. N 569,343.1 E 1,376,284.1 F.H. N 569,378.1 E 1,376,268.9 8"V. N 569,379.8 E 1,376,265.9 8"x8"T N 569,267.3 E 1,376,199.3 8"V. N 569,261.6 E 1,376,196.0 8" C & B.



WATER PROFILE

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING & ZONING HOWARD COUNTY, MARYLAND

MILDENBERG,
BOENDER & ASSOC., INC.

TERRELL A. FISHER # 9757 FOR REVISIONS 1 E 2

	, Little	O' N	1/	/
				À
		XI.		
	10		1	7
U	TA, ES	1002 ON AT	P. I.C.	Sec.
1		(1000)	Carre &	

	engineering MMM					ı
						ı
	illustration MMM					
· • · · · ·	approval				•	ı
	αρριοναι					ı
٠.,	project	FCC	12	REFERENCE WATER MAIN IN TALBOTS LANDING	1/22/08	ı
	03-073	ECC	Λ	revise sheet no, ; additional sheet included	1/29/08	L
	date OCT. 06	BY	NO.	REVISION	DATE	

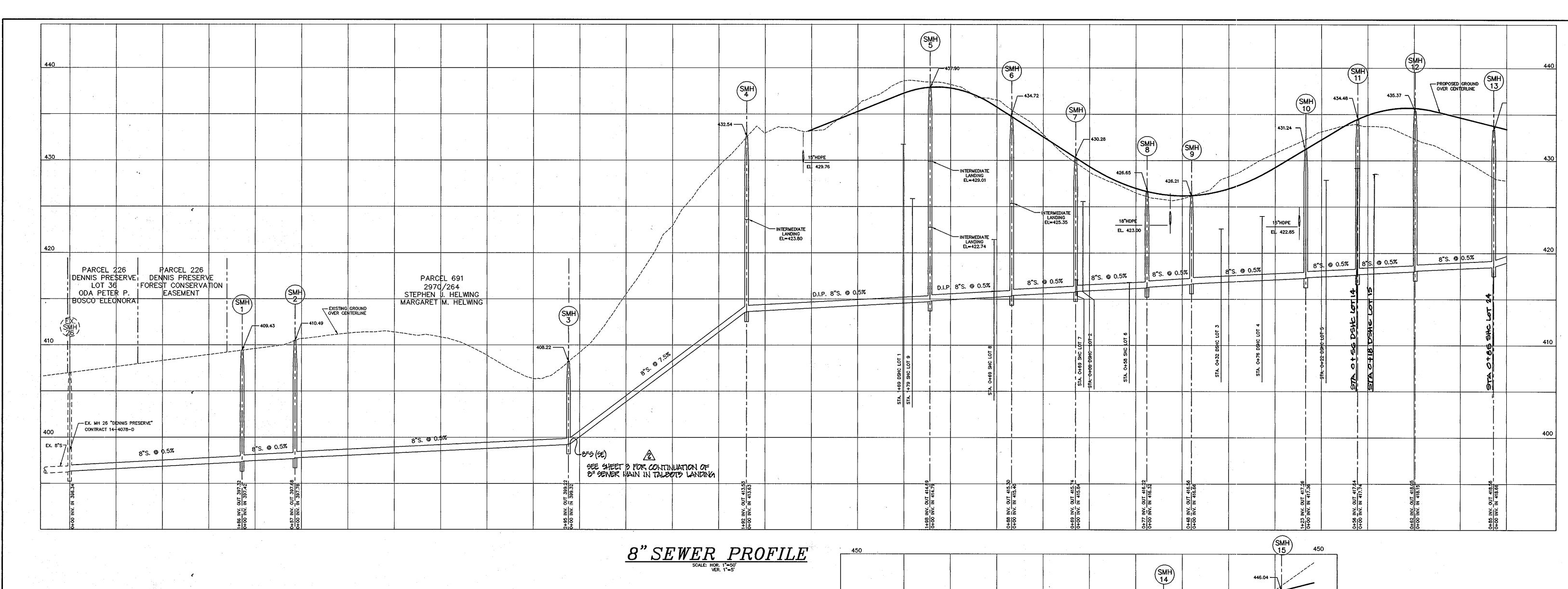
WATER PROFILE

PHASE I LOTS 1-9, OPEN SPACE LOTS 10-13 PHASE II LOTS 14-24.

1"=50'

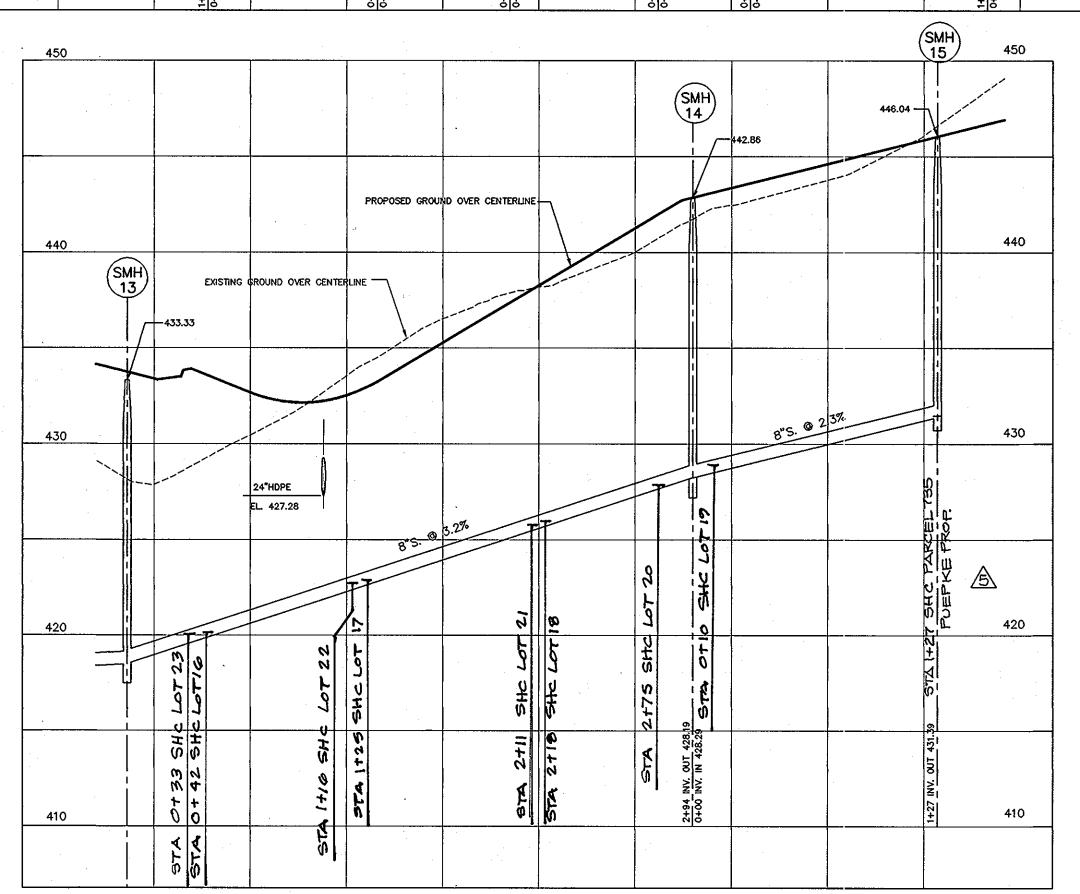
CONTRACT NO: 14-4333-D HOWARD COUNTY, MARYLAND FIRST ELECTION DISTRICT

600' SCALE MAP NO. 31 BLOCK NO. 22



SHC INVERT® PROPERTY LINE CHART ELEVATION STATION MH 1 TO MH 2 WALL PROPERTY 0+17 LT. 397.88 431.59 PUEPKE PROP. PAR. 735 1+27 MH 15

MH #	TALBOTS WOODS CT. STA./OFFSET NORTHING & EASTING
01	N 568,134.4 E 1,376,522.2
02	N 568,194.0 E 1,376,515.8
03	N 568,431.0 E 1,376,691.0
04	N 568,545.1 E 1,376,536.5
05	STA. 1+78; 3.8' LT.
06	STA. 2+68; 3.3' LT.
07	STA. 3+39; 3.5' LT.
08	STA. 4+18; 4.7' LT.
09	STA. 4+67; 2.8' LT.
10	STA. 5+90; 7.1' LT.
11	STA. 6+42; 7.4' LT.
12	STA. 7+01; 7.4' LT.
13	STA. 7+84; 6.8' LT.
14	N 569,366.4 E 1,376,268.9
15	N 569,257.2 E 1,376,204.4



8" SEWER PROFILE

DEPARTME	ENT	OF	P	UBLIC	WORKS	
HOWARD	COL	JNT'	Y,	MARY	_AND	

DEPARTMENT OF PLANNING & ZONING HOWARD COUNTY, MARYLAND

MILDENBERG,
BOENDER & ASSOC., INC.

Terrell a figher #975 For revisions 1,2 & 3

1118	c.	Oi	. "	4P)	10		fariya.	enginee	ммм		<u> </u>	
A :	Ľ	g.	W				179) .	'	MMM			
1.1	3		1	Y			Ú.	illustrat	ion MMM	MBA	Ś	ADD SHC INVERT TO CHART, PUEPKE FROP. PAR. 735
11	V)			1.		Ę		approve	nl	MBA	4	ADD SHO'S TO PROFILE LOTS 14-24
	3	18	Y	113	V		/		" "	FCC	A	ADD SHC INVERT CHART FOR WALL PROPERTY
ŠV.	Y	T	9 **			ψ¢.		project		FCC	1	REFERENCE WATER MAIN IN TALBOTS LANDING
10	J	.√o;	1007	9	<u>),</u>		• 🐧	619.6	03-073	FCC	A	REVISE SHEET NO.; ADDITIONAL SHEET INCLUDED
30	V	OŃ ''''	A Is	E VA	41			date (OCT. 06	BY	NO.	REVISION

SEWER PROFILE TALBOTS WOODS I PROPERTY PHASE I LOTS 1-9, OPEN SPACE LOTS 10-13

\$ LOTS 14-24 CONTRACT NO: 14-4333-D

1"=50'

FIRST ELECTION DISTRICT HOWARD COUNTY, MARYLAND

600' SCALE MAP NO.____31_____ BLOCK NO._____22___

HOWARD SOIL CONSERVATION DISTRICT PERMANENT SEEDING NOTES

APPLY TO GRADED OR CLEARED AREAS NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LONG-LIVED VEGETATIVE COVER IS NEEDED.

SEEDBED PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISKING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF NOT PREVIOUSLY LOOSENED.

SOIL AMENDMENTS: IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF THE FOLLOWING SCHEDULES: PREFERRED - APPLY 2 TONS PER ACRES DOLOMITIC LIMESTONE (92 LBS/1000 SQ.FT.) AND 600 LBS. PER ACRE 10-10-10 FERTILIZER (14 LBS/1000 SQ.FT.) BEFORE SEEDING.

HARROW OR DISK INTO UPPER THREE INCHES OF SOIL. AT TIME OF SEEDING, APPLY 400 LBS. PER ACRE 30-0-0 UREAFORM FERTILIZER (9 LBS./1000 SQ.FT.). ACCEPTABLE - APPLY 2 TONS PER ACRE DOLDMITIC LIMESTONE (92 LBS./1000 SQ.FT.) AND 1000 LBS. PER ACRE 10-10-10 FERTILIZER (23 LBS./1000 SQ.FT.) BEFORE SEEDING. HARROW OR DISK INTO UPPER THREE INCHES OF SOIL.

SEEDING - FOR THE PERIODS MARCH 1 THRU APRIL 30, AND AUGUST 1 THRU OCTOBER 15, SEED WITH 60 LBS. PER ACRE 1.4 LBS/1000 SQ.FT.) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 THRU JULY 31, SEED WITH 60 LBS, KENTUCKY 31 TALL FÉSCUE PER ACRE AND 2 LOBS, PER ACRE (.05 LBS./1000 SQ.FT.) OF WEEPING LOVEGRASS. DURING THE PERIOD OF OCTOBER 16 THRU FEBRUARY 28, PROTECT SITE BY: OPTION (1) - 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING. OPTION (2) - USE SOD. OPTION (3) -SEED WITH 60 LBS./ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TONE/ACRE WELL ANCHORED STRAW.

MULCHING - APPLY 1-1/2 TO 2 TONS PER ACRE (70 TO 90 LBS./1000 SQ.FT) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GALLONS PER ACRE (5 GAL/1000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 8 FEET OR HIGHER, USE 348 GALLONS PER ACRE (8 GAL/1000 SQ.FT.) FOR ANCHORING.

MAINTENANCE - INSPECT ALL SEEDING AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.

TEMPORARY SEEDING NOTES

APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE REDISTURBED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED. SEEDBED PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISKING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, FOR NOT PREVIOUSLY LOOSENED.

SOIL AMENDMENTS: APPLY 600 LBS. PER ACRE 10-10-10 FERTILIZER (14 LBS./1000 SQ.FT.)

SEEDING: FOR PERIODS MARCH 1 THRU APRIL 30 AND FROM AUGUST 15 THRU OCTOBER 15, SEED WITH 2-1/2 BUSHEL PER ACRE OF ANNUAL RYE (3.2 LBS./1000 SQ.FT.) FOR THE PERIOD MAY 1 THRU AUGUST 14, SEED WITH 3 LBS. PER ACRE OF WEEPING LQVEGRASS (.07 LBS./1000 SQ.FT.). FOR THE PERIOD NOVEMBER 16 THRU NOVEMBER 28. PROTECT SITE BY APPLYING 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OR USE SOD. MULCHING: APPLY 1-1/2 TO 2 TONS PER ACRE (70 TO 90 LBS./1000 SQ.FT.) OF UNROTTED WEED FREE SMALL GRAIN TOOL OR 218 GAL PER ACRE (5 GAL/1000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 8 FEET OR STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING HIGHER, USE 348 GAL PER ACRE (8 GAL/1000 SQ.FT.) FOR ANCHORING. REFER TO THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR ADDITIONAL RATES AND METHODS NOT COVERED.

STANDARD SEDIMENT CONTROL NOTES

- 1) A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS, SEDIMENT CONTROL DIVISION PRIOR TO THE START OF NAY
- 2) ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE MOST CURRENT "MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL*, AND REVISIONS THERETO.
- 3) FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: A) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1, 8) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 12, OF THE HOWARD COUNTY DESIGN
- 5) ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1991 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDING (SEC.51), SOD (SEC. 54), TEMPORARY SEEDING (SEC. 50) AND MULCHING (SEC.52). TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
- ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.

CITE	ANALYSIS:		-
SHIE	TOTAL AREA OF SITE:	0.36	ACRES
i	AREA DISTURBED:		ACRES
ì	AREA TO BE ROOFED OR PAVED:	0	ACRES
	AREA TO BE VEGITATIVELY STABILIZED:		ACRES
}	TOTAL CUT:	0	CU. YDS
	TOTAL FILL:	00	CU. YDS
-	TOTAL WASTE/BORROW AREA LOCATION: _	N/A	_

THESE QUANTITIES ARE FOR PERMIT PURPOSES ONLY. CONTRACTOR IS REQUIRED TO PROVIDE HIS OWN QUANTITIES MEASUREMENTS.

- 8) ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
- ADDITIONAL SEDIMENT CONTROL MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- 10) ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROLS, BUT BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING. OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.
- 11) TRENCHES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE PIPE LENGTHS OR THAT WHICH CAN BE BACK FILLED AND STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS SHORTER.

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 IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT. REVIEWED FOR HOWARD SCD AND MEETS TECHNICAL REQUIREMENTS.

STANDARD AND SPECIFICATIONS FOR TOPSOIL

DEFINITION

PLACEMENT OF TOPSOIL OVER A PREPARED SUBSOIL PRIOR TO ESTABLISHMENT OF PERMANENT VEGETATION.

TO PROVIDE A SUITABLE SOIL MEDIUM FOR VEGETATIVE GROWTH. SOILS OF CONCERN HAVE LOW MOISTURE CONTENT, LOW NUTRIENT LEVELS, LOW PH, MATERIALS TOXIC TO PLANTS, AND/OR UNACCEPTABLE SOIL GRADATION.

CONDITIONS WHERE PRACTICE APPLIES

THIS PRACTICE IS LIMITED TO AREAS HAVING 2:1 OR FLATTER SLOPES WHERE

d. THE SOIL IS SO ACIDIC THAT TREATMENT WITH LIMESTONE IS NOT FEASIBLE

- THE TEXTURE OF THE EXPOSED SUBSOIL/PARENT MATERIAL IS NOT ADEQUATE TO PRODUCE VEGETATIVE
- b. THE SOIL MATERIAL IS SO SHALLOW THAT THE ROOTING ZONE IS NOT DEEP ENOUGH TO SUPPORT PLANTS OR FURNISH CONTINUING SUPPLIES OF MOISTURE AND PLANT NUTRIENTS.
- c. THE ORIGINAL SOIL TO BE VEGETATED CONTAINS MATERIAL TOXIC TO PLANT GROWTH.
- FOR THE PURPOSE OF THESE STANDARDS AND SPECIFICATIONS, AREAS HAVING SLOPES STEEPER THAN 2:1 REQUIRE SPECIAL CONSIDERATION AND DESIGN FOR ADEQUATE STABILIZATION. AREAS HAVING SLOPES STEEPER THAN 2:1 SHALL HAVE THE APPROPRIATE STABILIZATION SHOWN ON THE PLANS.

CONSTRUCTION AND MATERIAL SPECIFICATIONS

- TOPSOIL SALVAGED FROM THE EXISTING SITE MAY BE USED PROVIDED THAT IT MEETS THE STANDARDS AS SET FORTH IN THESE SPECIFICATION. TYPICALLY, THE DEPTH OF TOPSOIL TO BE SALVAGED FOR A GIVEN SOIL TYPE CAN BE FOUND IN THE REPRESENTATIVE SOIL PROFILE SECTION IN THE SOIL SURVEY PUBLISHED BY USDA-SCS IN COOPERATION WITH MARYLAND AGRICULTURAL EXPERIMENTAL STATION.
- II. TOPSOIL SPECIFICATIONS SOIL TO BE USED AS TOPSOIL MUST MEET THE FOLLOWING:
 - TOPSOIL SHALL BE A LOAM, SANDY LOAM, CLAY LOAM, SILT LOAM, SANDY CLAY LOAM, LOAMY SAND. OTHER SOILS MAY BE USED IF RECOMMENDED BY AN AGRONOMIST OR SOIL SCIENTIST AND APPROVED BY THE APPROPRIATE APPROVAL AUTHORITY. REGARDLESS, TOPSOIL SHALL NOT BE A MIXTURE OF CON-TRASTING TEXTURED SUBSOILS AND SHALL CONTAIN LESS THAN 5% BY VOLUME OF CINDERS, STONES, SLAG, COARSE FRAGMENTS, GRAVEL, STICKS, ROOTS, TRASH, OR OTHER MATERIALS LARGER THAN 1 1/2" IN
 - TOPSOIL MUST BE FREE OF PLANTS OR PLANT PARTS SUCH AS BERMUDA GRASS, QUACKGRASS, JOHNSON-SON GRASS, NUTSEDGE, POISON IVY, THISTLE, OR OTHERS AS SPECIFIED.
- WHERE THE SUBSOIL IS EITHER HIGHLY ACIDIC OR COMPOSED OF HEAVY CLAYS, GROUND LIMESTONE SHALL BE SPREAD AT THE RATE OF 4-8 TONS/ACRE (200-400 POUNDS PER 1,000 SQUARE FEET) PRIOR TO THE PLACEMENT OF TOPSOIL. LIME SHALL BE DISTRIBUTED UNIFORMLY OVER DESIGNATED AREAS AND WORKED INTO THE SOIL IN CONJUNCTION WITH TILLAGE OPERATIONS AS DESCRIBED IN THE FOLLOWING

III. FOR SITES HAVING DISTURBED AREAS UNDER 5 ACRES:

DISSIPATION OF PHYTO-TOXIC MATERIALS.

- PLACE TOPSOIL (IF REQUIRED) AND APPLY SOIL AMENDMENTS AS SPECIFIED IN 20.0 VEGETATIVE STABILIZATION - SECTION 1 - VEGETATIVE STABILIZATION METHODS AND MATERIALS.
- IV. FOR SITES HAVING DISTURBED AREAS OVER 5 ACRES:
 - ON SOIL MEETING TOPSOIL SPECIFICATIONS, OBTAIN TEST RESULTS DICTATING FERTILIZER AND LIME AMENDMENTS REQUIRED TO BRING THE SOIL INTO COMPLIANCE WITH THE FOLLOWING:
 - a. PH FOR TOPSOILS SHALL BE BETWEEN 6.0 AND 7.5. IF THE TESTED SOIL DEMONSTRATES A PH OF LESS THAN 6.0, SUFFICIENT LIME SHALL BE PERSCRIBED TO RAISE THE PH TO 6.5 OR HIGHER.
 - b. ORGANIC CONTENT OF TOPSOIL SHALL BE NOT LESS THAN 1.5 PERCENT BY WEIGHT.
 - c. TOPSOIL HAVING SOLUBLE SALT CONTENT GREATER THAN 500 PARTS PER MILLION SHALL NOT BE USED. d. NO SOD OR SEED SHALL BE PLACED ON SOIL WHICH HAS BEEN TREATED WITH SOIL STERILANTS OR CHEMICALS USED FOR WEED CONTROL UNTIL SUFFICIENT TIME HAS ELAPSED (14 DAYS MIN.) TO PERMIT

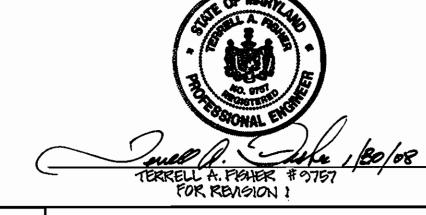
NOTE: TOPSOIL SUBSTITUTES OR AMENDMENTS, AS RECOMMENDED BY A QUALIFIED AGRONOMIST OR SOIL SCIENTIST AND APPROVED BY THE APPROPRIATE APPROVAL AUTHORITY, MAY BE USED IN LIEU OF NATURAL

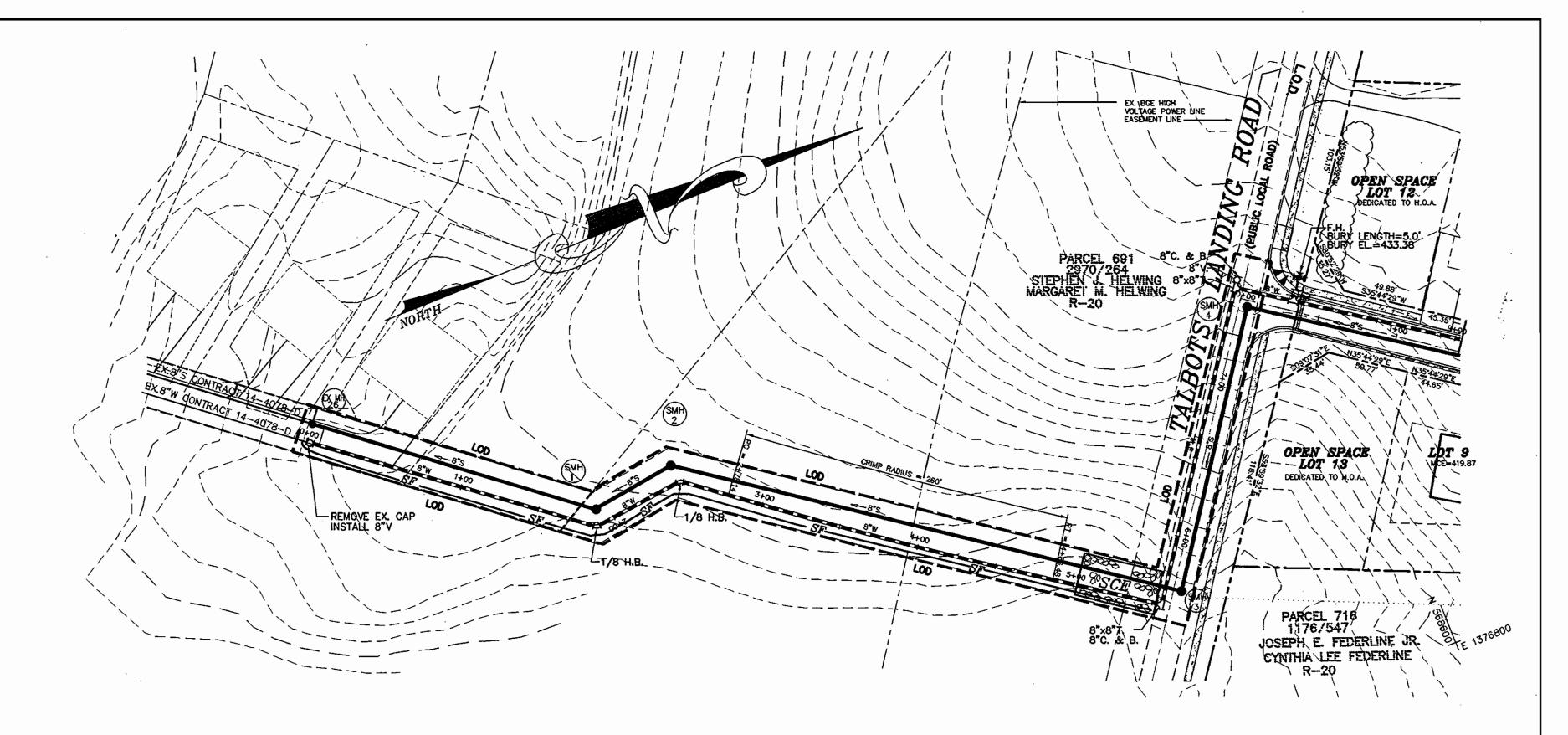
- ii. PLACE TOPSOIL (IF REQUIRED) AND APPLY SOIL AMENDMENTS AS SPECIFIED IN 20.0 VEGETATIVE STABILIZATION - SECTION I - VEGETATIVE STABILIZATION METHODS AND MATERIALS.
- TOPSOIL APPLLICATION
- WHEN TOPSOILING, MAINTAIN NEEDED EROSION AND SEDIMENT CONTROL PRACTICES SUCH AS DIVERSIONS, GRADE STABILIZATION STRUCTURES, EARTH DIKES, SLOPE SILT FENCE AND SEDIMENT TRAPS AND BASINS.
- ii. GRADES ON THE AREAS TO BE TOPSOILED, WHICH HAVE BEEN PREVIOUSLY ESTABLISHED, SHALL BE MAINTAINED, ALBEIT 4" - 8" HIGHER IN ELEVATION.
- iii. TOPSOIL SHALL BE UNIFORMLY DISTRIBUTED IN A 4" TO 8" LAYER AND LIGHTLY COMPACTED TO A MINIMUM THICKNESS OF 4". SPREADING SHALL BE PERFORMED IN SUCH A MANNER THAT SODDING OR SEEDING CAN PROCEED WITH A MINIMUM OF ADDITIONAL SOIL PREPARATION AND TILLAGE. ANY IRREGULARITIES IN THE SURFACE RESULTING FROM TOPSOILING OR OTHER OPERATIONS SHALL BE CORRECTED IN ORDER TO PREVENT THE
- FORMATION OF DEPRESSIONS OR WATER POCKETS. IV. TOPSOIL SHALL NOT BE PLACED WHILE THE TOPSOIL OR SUBSOIL IS IN A FROZEN OR MUDDY CONDITION, WHEN THE SUBSOIL IS EXCESSIVELY WET OR IN A CONDITION THAT MAY OTHERWISE BE DETRIMENTAL TO PROPER GRADING AND SEEDBED PREPARATION.
- VI. ALTERNATIVE FOR PERMANENT SEEDING INSTEAD OF APPLYING THE FULL AMOUNTS OF LIME AND COMMERCIAL
- FERTILIZER, COMPOSTED SLUDGE AND AMENDMENTS MAY BE APPLIED AS SPECIFIED BELOW: COMPOSTED SLUDGE MATERIAL FOR USE AS A SOIL CONDITIONER FOR SITES HAVING DISTURBED AREAS OVER 5 ACRES SHALL BE TESTED TO PRESCRIBE AMENDMENTS AND FOR SITES HAVING AREAS UNDER 5 ACRES SHALL CONFORM TO THE FOLLOWING REQUIREMENTS:
 - COMPOSTED SLUDGE SHALL BE SUPPLIED BY, OR ORIGINATE FROM, A PERSON OR PERSONS WHO ARE PERMITTED (AT THE TIME OF ACQUISITION OF THE COMPOST) BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT UNDER COMAR 26.04.06.
 - b. COMPOSTED SLUDGE SHALL CONTAIN AT LEASE 1 PERCENT NITROGEN, 1.5 PERCENT PHOSPHOURUS, AND 0.2 PERCENT POTASSIUM AND HAVE A Ph OF 7.0 TO 8.0. IF COMPOST DOES NOT MEET THESE REQUIREMENTS, THE APPROPRIATE CONSTITUENTS MUST BE ADDED TO MEET THE REQUIREMENTS PRIOR TO USE. . COMPOSTED SLUDGE SHALL BE APPLIED AT A RATE OF 1 TON/1,000 SQUARE FEET.
- COMPOSTED SLUDGE SHALL BE AMENDED WITH A POTASSIUM FERTILLIZER APPLIED AT THE RATE OF 4 LB/1,000 SQUARE FEET, AND 1/3 THE NORMAL LIME APPLICATION RATE.

REFERENCES: GUIDELINE SPECIFICATIONS, SOIL PREPARATION AND SODDING. MD-VA, PUB. #1, COOPERATIVE EXTENSION SERVICE, UNIVERSITY OF MARYLAND AND VIRGINIA POLYTECHNIC INSTITUTES. REVISED 1973.

DENOTES STABILIZED CONSTRUCTION ENTRANCE

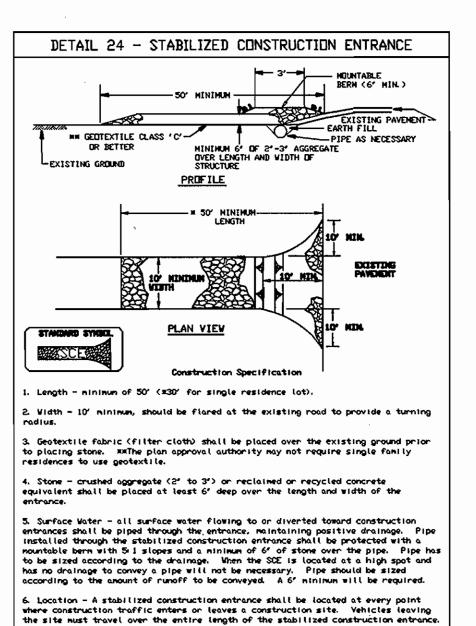
INST DENOTES SILT FENC

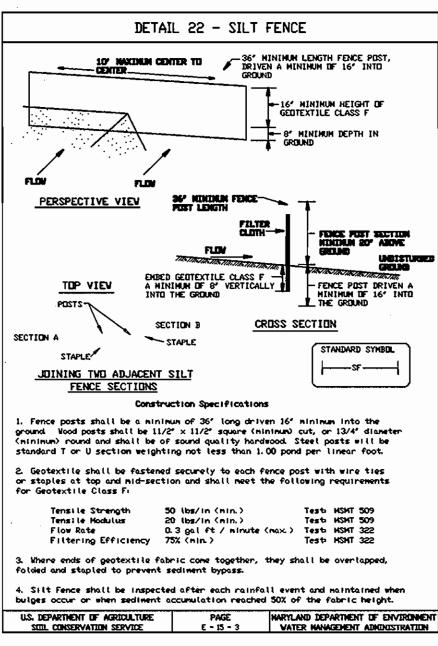




SEQUENCE OF CONSTRUCTION

- OBTAIN GRADING PERMIT (ONE DAY)
- 2. CONSTRUCT STABILIZED CONSTRUCTION ENTRANCES (2 DAYS)
- 3. CONSTRUCT SILT FENCES AS SHOWN (2 DAYS)
- 4. COMMENCE CONSTRUCTION OF UTILITIES (14 DAYS):
- A. TRENCH EXCAVATION SHALL BE LIMITIED TO THAT WHICH CAN BE BACKFILLED AND STABILIZED WITHIN ONE WORKING DAY.
- B. EXCAVATED MATERIAL SHALL BE PLACED ON THE UPHILL SIDE OF THE EXCAVATION.
- 5. WHEN ALL CONTRIBUTING AREAS HAVE BEEN STABILIZED, AND WITH APPROVAL OF THE SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT CONTROL DEVICES AND STABILIZE REMAINING DISTURBED AREAS.





Silt Fence Design Criteria			
Slope Steepness Slope Length Slit Fence Length Flatter than 50:1 unlimited unlimited 50:1 to 10:1 125 feet 1,000 feet 10:1 to 5:1 100 feet 5:1 to 3:1 60 feet 5:1 to 3:1 40 feet 2:1 and steeper 20 feet 125 feet Note: In areas of less than 2% slope and sandy soils (USDA general classification system, soil Class A) maximum slope length and slit fence length will be unlimited. In these areas a silt fence may be the only perimeter control		Silt Fence Design Cri	iteria
50:1 to 10:1 125 feet 1,000 feet 10:1 to 5:1 100 feet 5:1 to 3:1 60 feet 5:1 to 3:1 40 feet 2:0 feet 2:1 and steeper 20 feet 125 feet Note: In areas of less than 2% slope and sandy soils (USDA general classification system, soil Class A) maximum slope length and slit fence length will be unlimited. In these areas a slit fence may be the only perimeter control	Slope Steepness		
10:1 to 5:1 100 feet 750 feet 5:1 to 3:1 60 feet 500 feet 3:1 to 2:1 40 feet 250 feet 2:1 and steeper 20 feet 125 feet Note: In areas of less than 2% slope and sandy soils (USDA general classification system, soil Class A) maximum slope length and silt fence length will be unlimited. In these areas a silt fence may be the only perimeter control	Flatter than 50:1	unlinited	untinited
5:1 to 3:1 60 feet 500 feet 3:1 to 2:1 40 feet 250 feet 2:1 and steeper 20 feet 125 feet Note: In areas of less than 2% slope and sandy soils (USDA general classification system, soil Class A) maximum slope length and silt fence length will be unlimited. In these areas a silt fence may be the only perimeter control	50:1 to 10:1	125 feet	1,000 Feet
3:1 to 2:1 40 feet 250 feet 2:1 and steeper 20 feet 125 feet Note: In areas of less than 2% slope and sandy soils (USDA general classification system, soil Class A) maximum slope length and silt fence length will be unlimited. In these areas a silt fence may be the only perimeter control	10-1 to 5-1	100 feet	750 feet
2:1 and steeper 20 feet 125 feet Note: In areas of less than 2% slope and sandy soils (USDA general classification system, soil Class A) maximum slope length and slit fence length will be unlimited. In these areas a slit fence may be the only perimeter control	5 1 to 3 1	60 feet	500 feet
Note: In areas of less than 2% slope and sandy soils (USDA general classification system, soil Class A) maximum slope length and silt fence length will be unlimited. In these areas a silt fence may be the only perimeter control	3: 1 to 2: 1	40 feet	250 feet
system, soil Class A) maximum slope length and silt fence length will be unlimited. In these areas a silt fence may be the only perimeter control	2:1 and steeper	20 feet	125 feet

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE SOIL

CONSERVATION SERVICE

DEPARTMENT OF PLANNING & ZONING HOWARD COUNTY, MARYLAND

MILDENBERG, BOENDER & ASSOC., INC.

	engineering			
	MMM			
, .	illustration . MMM			·
44211111	approval			· i
• •	project			
	03-073	ECC	Λ	revise sheet no. ; additional sheet included
	date SEP. 06	BY	NO.	REVISION

SEDIMENT CONTROL PLAN AND

TALBOTS WOODS I PROPERTY PHASE I

LOTS 1-9 & OPEN SPACE LOTS 10-13 9 LOT > 14-24

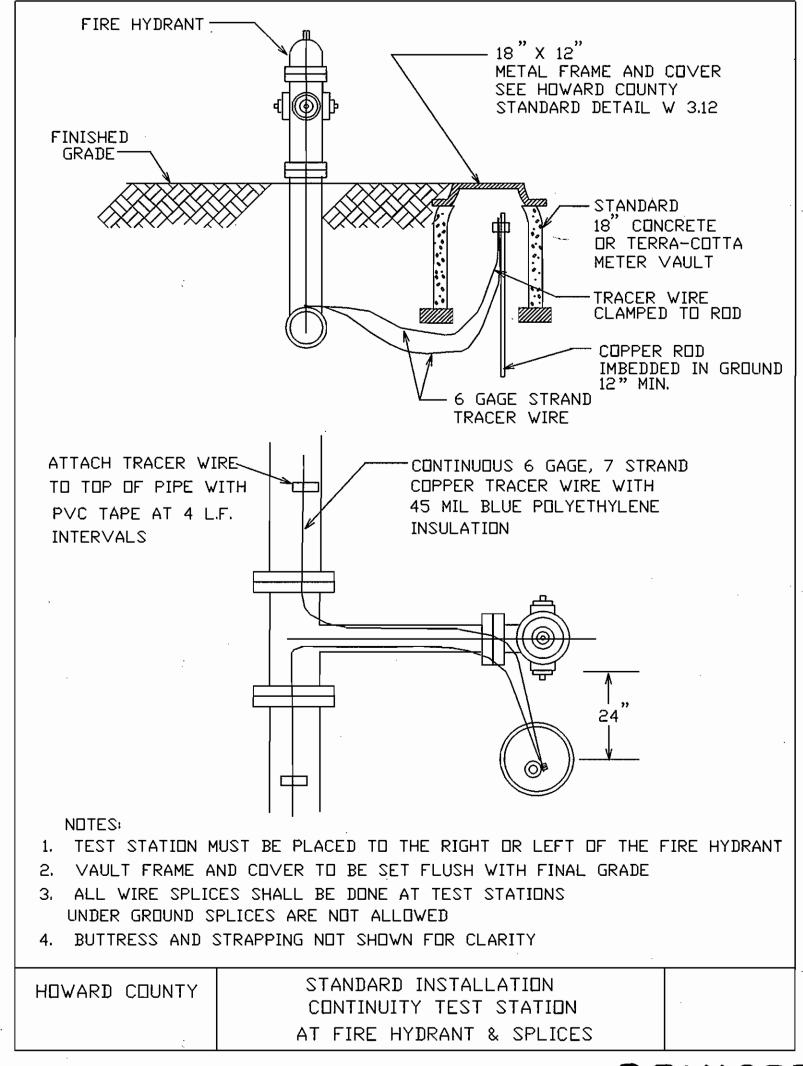
CONTRACT NO: 14-4333-D HOWARD COUNTY, MARYLAND

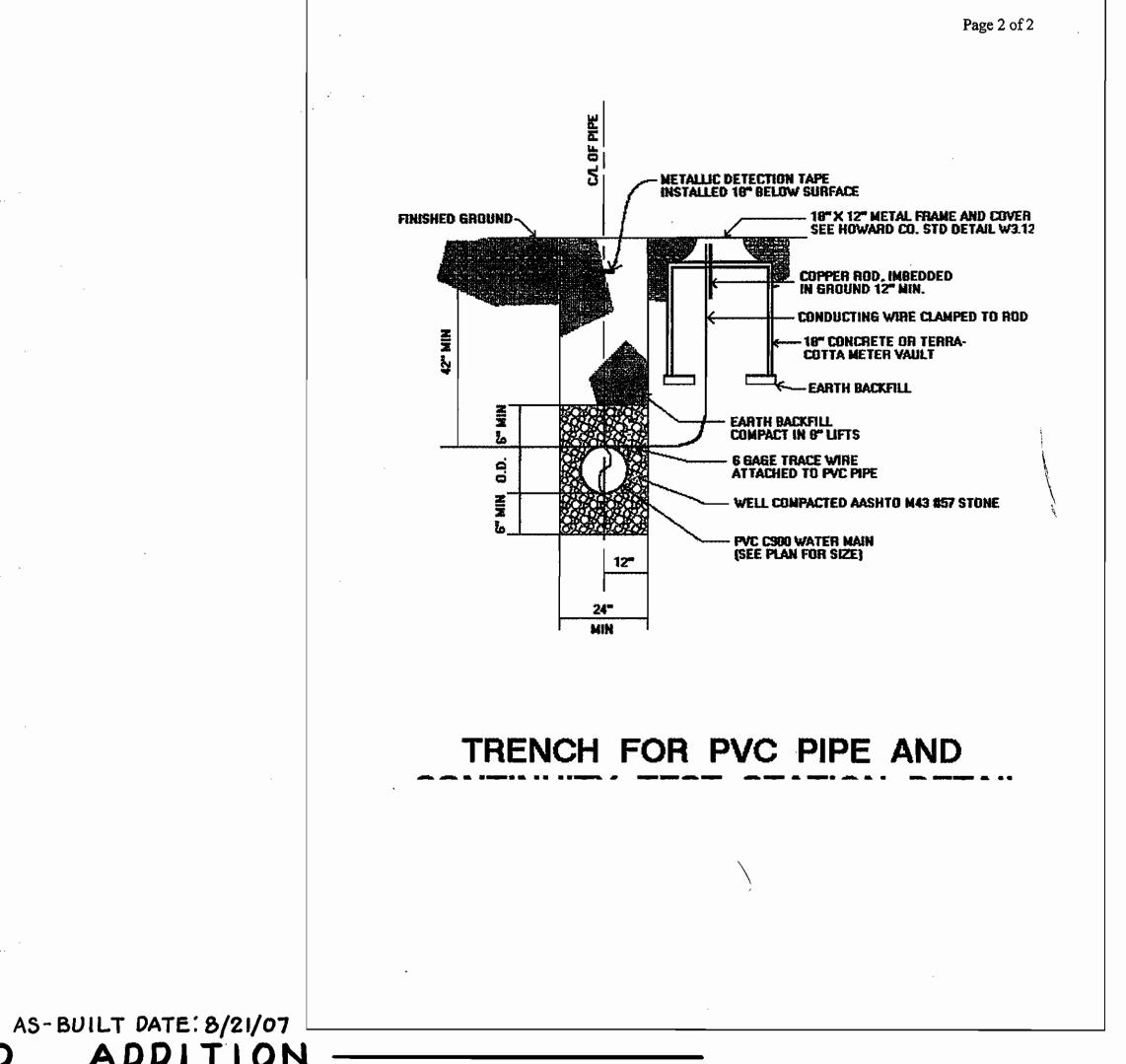
6 OF 7

5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042 (410) 997-0296 Balt. (301) 621-5521 Wash. (410) 997-0298 Faz.

600' SCALE MAP NO.____31__ BLOCK NO. 22 FIRST ELECTION DISTRICT

LOT NO	TO	FROM EH 0.670 7.470	DISTANC
<u>. </u>	WHC	F.H. @ STA. 7+70 SMH 5	37.0
<u> </u>	BHC	FH. @ STA 7+70	121.0
. 4	SHC	SMI 5	30.0
2	WHC	MH 5 (STORM DRAIN)	405
	SHC	SH 7 (SEWER) M 5	24.3
. "	3HC	5H17 *	20.6
3	WHC	F.H.@ STA 12+77	8.9
, si	WHC	SM9	42.2
н	SHC	F.H. @ 9TA 12+77	15.3
	SHC	3M 8	35.6
4	WHC	F.H @ STA 12+77 I-G	36.0
<u> </u>	SHC	F.H C.STA 12+77	20.7
` <u>'</u>	SHC	I-G	22.1
5	WIC	SMH 10	33.7
<u> </u>	W-IC SHC	SMHII	33.0
<i>"</i>	SHC	9M 10 5M 11	30.5
6	WK	I-7	38.0 25.6
, , , ,	WIC	2MH 8	2G.5
. "	SHC	1-7	35.G
	SHC	3M1 8	31.5
7	WHC	MH 5	15.0
<u> </u>	3HC	SM7 M 5	26.8
	SHC	MH 5	30.4
8	WHC	MH 5	13.1
n	WHC	BM17	28.4
4	SHC	MH G	19.1
9	SHC	SMG	31.0
. 9	WHC	1/M-17	34.0
<u>"</u>	SHC	5M5 M17	24.9
- "	SHC	SH15	31.0
/ 10	~ O	PEN SPACE "~	~
.,		44 t in the state of the state	~
" / "		# O 9	~
- fi			~
"	,	. "	
			~
"	^		~
12		OF M. C.D.O.	~ ·
<i>''</i>		PEN SPACE	-
μ		h	~
13		4 4	
u u			===
" "	~0~	PEN SPACE ~	~
14	WHC	NOT INSTALLED	+ ~
4	WHC	NOT INSTALLED	٠,
4 -	SHC	3MH 12	70.7
15	SHC	ONH II	13.4
\{\mathcal{D}\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Wic	NOT INSTALLED	~
" "	SHO	5MH 12	46.6
	W-7"1 V		12.6
μ	SHC	3MH 11.	1
	SHC WHC	3MH 11. FH@37A15+24	
. "	SHC WHC WHC	FH.@37A15+24 SMH 13	37.8 51.0
4	SHC WHC SHC	FH@3TA15+24 SM 13 FH@3TA15+24	37.8 51.0 33.8
, 4 4	SHC WHC SHC SHC	FH.03TA15+24 SM 13 FH.03TA 15+24 SM 13	37.8 51.0 33.8 47.6
4	SHC WHO SHC SHC WHO	FH.037A15+24 SM 13 FH.03TA 15+24 SM 13 NOT INSTALLED	37.8 51.0 33.8 47.6
. " " "	SHC WHC SHC SHC	FH.@3TA15+24 SMH 13 FH.@3TA 15+24 SMH 13 NOT INSTALLED NOT INSTALLED	37.8 51.0 33.8 47.0
" " " " " " " " " " " " " " " " " " "	SHC WHC SHC SHC WHC WHC SHC SHC	FH.@3TA15+24 SMH 13 FH.@3TA 15+24 SMH 13 NOT INSTALLED NOT INSTALLED I-13 I-2	37.8 51.0 33.8 47.6 ~ 43.0
17 " " " 18	SHC WIC WIC SHC WIC WIC SHC SHC WIC	FHOSTAIS+24 SMIB FHOSTAIS+24 SMIB NOT INSTALLED NOT INSTALLED I-13 I-2 NOT INSTALLED	37.8 51.0 33.8 47.6 ~ 43.0 54.6
17	SHC WHC SHC SHC WHC WHC SHC SHC WHC WHC	FHOSTAIS+24 SM 13 FHOSTA 15+24 SM 13 NOT INSTALLED NOT INSTALLED I-13 I-2 NOT INSTALLED NOT INSTALLED	37.8 51.0 33.8 47.6 ~ 43.0 54.6
17 "" ""	SHC WHC SHC SHC WHC WHC SHC SHC WHC WHC SHC	FHOSTAIS+ 24 SMI IB FHOSTA IS+ 24 SMI IB NOT INSTALLED NOT INSTALLED I-13 I-2 NOT INSTALLED NOT INSTALLED NOT INSTALLED FHOSTAILED FHOSTAILED	37.8 51.0 33.8 47.6 ~ 43.0 54.6 ~
17 "" "18	SHC WHC SHC SHC WHC SHC SHC WHC SHC SHC SHC WHC	FHOSTAIS+24 SM 13 FHOSTA 15+24 SM 13 NOT INSTALLED NOT INSTALLED I-13 I-2 NOT INSTALLED NOT INSTALLED	37.8 51.0 33.8 47.0 ~ 43.0 54.0 ~ 45.0 72.5
17 " " " " " " " " " " " " " " " " " " "	SHC WHC SHC SHC WHC SHC SHC WHC WHC SHC WHC WHC	FHOSTAIS+ 24 SMH 13 FHOSTA 15+ 24 SMH 13 NOT INSTALLED NOT INSTALLED I-12 NOT INSTALLED NOT INSTALLED NOT INSTALLED FHOSTALLED FHOSTALLED EHOSTA 18+58 SMH 14	37.8 51.0 33.8 47.6 ~ 43.0 54.6 ~ 45.6
17	SHC WHC SHC SHC WHC SHC WHC WHC WHC SHC SHC WHC SHC SHC SHC	FHOSTAIS+ 24 SMI IB FHOSTA IS+ 24 SMI IB NOT INSTALLED NOT INSTALLED I-13 I-2 NOT INSTALLED NOT INSTALLED FHOSTA IS+58 SMI IA NOT INSTALLED NOT INSTALLED FHOSTALLED FHOSTALLED NOT INSTALLED FHOSTALLED NOT INSTALLED FHOSTALLED FHOSTALLED FHOSTALLED FHOSTALLED	37.8 51.0 33.8 47.6 ~ 43.0 54.6 ~ 45.6 72.5
17 "" "" 18 "" "" ""	SHC WHC SHC SHC WHC SHC SHC WHC SHC SHC SHC SHC SHC SHC SHC SHC SHC	FHOSTAIS+ 24 SM IB FHOSTA IS+ 24 SM IB NOT INSTALLED NOT INSTALLED I-12 NOT INSTALLED NOT INSTALLED FHOSTALED FHOSTAIS+58 SMIA NOT INSTALLED NOT INSTALLED FHOSTALED FHOSTALED FHOSTALED SMIA NOT INSTALLED FHOSTALED NOT INSTALLED SMIA	37.8 51.0 33.8 47.0 ~ 43.0 54.0 ~ 45.0 72.5 ~ 44.0 12.0
17	SHC WHC SHC SHC WHC SHC SHC WHC SHC SHC WHC SHC WHC SHC WHC WHC	FHOSTAIS+ 24 SM 13 FHOSTA 15+ 24 SM 13 NOT INSTALLED NOT INSTALLED NOT INSTALLED NOT INSTALLED PHOSTA 18+58 SM 14 NOT INSTALLED NOT INSTALLED PHOSTALLED NOT INSTALLED SM 14 FHOSTA 18+58 SM 14 FHOSTA 18+58	37.8 51.0 33.8 47.0 ~ 43.0 54.0 ~ 45.0 72.5 ~ 44.0 19.0 24.9
13	SHC WHO SHC SHC WHO WHO WHO WHO SHC WHO SHC WHO WHO WHO WHO WHO WHO	FHOSTAIS+ 24 SM 13 FHOSTA 15+ 24 SM 13 NOT INSTALLED NOT INSTALLED NOT INSTALLED NOT INSTALLED PHOSTALLED FHOSTALLED NOT INSTALLED PHOSTALLED NOT INSTALLED NOT INSTALLED NOT INSTALLED NOT INSTALLED NOT INSTALLED NOT INSTALLED SM 14 FHOSTA 18+58 SM 14 FHOSTA 18+58 SM 14	37.8 51.0 33.8 47.0 ~ 43.0 54.0 ~ 45.0 72.5 ~ 44.0 19.0 24.9 34.9
17	SHC WHC SHC SHC WHC SHC SHC WHC SHC WHC SHC WHC SHC WHC SHC WHC SHC WHC SHC WHC SHC SHC WHC SHC SHC SHC SHC SHC SHC SHC S	FHOSTAIS+ 24 SM 13 FHOSTA 15+ 24 SM 13 NOT INSTALLED NOT INSTALLED NOT INSTALLED NOT INSTALLED PHOSTA 18+58 SM 14 NOT INSTALLED NOT INSTALLED PHOSTALLED NOT INSTALLED SM 14 FHOSTA 18+58 SM 14 FHOSTA 18+58	37.8 51.0 33.8 47.0 ~ 43.0 54.0 ~ 45.0 72.5 ~ 44.6 12.6 24.9 34.9 45.0
17 17 18 18 19 19 10	SHC WHC SHC SHC WHC SHC SHC WHC SHC SHC WHC SHC WHC SHC WHC SHC WHC SHC WHC WHC SHC WHC WHC WHC WHC WHC WHC WHC WHC WHC W	FHOSTAIS+ 24 SMM 13 FHOSTA 15+24 SMM 13 NOT INSTALLED NOT INSTALLED NOT INSTALLED NOT INSTALLED NOT INSTALLED FHOSTA 18+58 SMM 14 NOT INSTALLED NOT INSTALLED NOT INSTALLED NOT INSTALLED FHOSTA 18+58 SMM 14 NOT INSTALLED	37.8 51.0 33.8 47.6 ~ 43.0 54.6 72.5 ~ 44.6 12.6 24.9 34.9 45.0 16.4
17	SHC WHC SHC SHC SHC SHC SHC SHC SHC S	FHOSTAIS+ 24 SM IS FHOSTA IS+24 SM IS NOT INSTALLED NOT INSTALLED NOT INSTALLED NOT INSTALLED FHOSTA IS+58 SMI IA NOT INSTALLED NOT INSTALLED NOT INSTALLED FHOSTA IS+58 SMI IA NOT INSTALLED NOT INSTALLED NOT INSTALLED	37.8 51.0 33.8 47.0 ~ 43.0 54.0 ~ 45.0 72.5 ~ 44.6 12.6 24.9 34.9 45.0
17 " " " 18 " " " " " " " " " " " " " " "	SHC WHC SHC SHC SHC SHC SHC SHC SHC S	FHOSTAIS+ 24 SM 13 FHOSTA 15+ 24 SM 13 NOT INSTALLED NOT INSTALLED NOT INSTALLED NOT INSTALLED PHOSTA 18+58 SM 14 NOT INSTALLED NOT INSTALLED NOT INSTALLED FHOSTA 18+58 SM 14 FHOSTA 18+58	37.8 51.0 33.8 47.0 ~ 43.0 54.6 ~ 45.0 12.5 ~ 44.0 19.0 24.9 34.9 45.0 16.4
17 17 18 18 19 19 19 11 20 11 11 11 11 11 11 11 11 11 11 11 11 11	SHC WHC SHC SHC SHC SHC SHC SHC SHC S	FHOSTAIS+ 24 SM 13 FHOSTA 15+ 24 SM 13 NOT INSTALLED NOT INSTALLED NOT INSTALLED NOT INSTALLED PHOSTA 18+ 58 SM 14 FHOSTA 18+ 58 SM 14 FHOSTA 18+ 58 SM 14 FHOSTA 18+ 58 SM 14 NOT INSTALLED NOT INSTALLED FHOSTA 18+ 58 SM 14 FHOSTA 18+ 58 SM 14 NOT INSTALLED	37.8 51.0 33.8 47.6 ~ 43.0 54.6 72.5 ~ 44.6 12.6 24.9 34.9 45.0 16.4
17	SHC WHO SHO SHO SHO SHO SHO SHO SHO S	FHOSTAIS+ 24 SM 13 FHOSTA 15+ 24 SM 13 NOT INSTALLED NOT INSTALLED NOT INSTALLED NOT INSTALLED PHOSTA 18+ 58 SM 14 FHOSTA 18+ 58 SM 14 FHOSTA 18+ 58 SM 14 NOT INSTALLED NOT INSTALLED FHOSTA 18+ 58 SM 14 FHOSTA 18+ 58 SM 14 NOT INSTALLED FHOSTA 18+ 58 SM 14 NOT INSTALLED FHOSTA 18+ 58 SM 14 NOT INSTALLED	37.8 51.0 33.8 47.0 ~ 43.0 54.0 72.5 ~ 44.6 19.6 24.9 34.9 45.0 16.4 ~ 62.5
17 18 18 19 19 19 19 19 19 19 19	SHC WHC SHC SHC SHC SHC SHC SHC SHC S	FHOSTAIS+ 24 SMH 13 FHOSTA 15+ 24 SMH 13 NOT INSTALLED NOT INSTALLED NOT INSTALLED NOT INSTALLED FHOSTA 18+ 58 SMH 14 NOT INSTALLED FHOSTA 18+ 58 SMH 14 NOT INSTALLED	37.8 51.0 33.8 47.0 ~ 43.0 54.0 72.5 ~ 44.0 12.0 24.9 34.9 45.0 16.4 ~ 62.5 83.2
17 17 18 19 19 19 19 19 19 19 19 19	SHC WHC SHC SHC SHC SHC SHC SHC SHC S	FHOSTAIS+ 24 SMM 13 FHOSTA 15+24 SMM 13 NOT INSTALLED NOT INSTALLED NOT INSTALLED NOT INSTALLED P.H. @ STA 18+58 SMM 14 NOT INSTALLED P.H. @ STA 18+58 SMM 14 F.H. @ STA 18+58 SMM 14 F.H. @ STA 18+58 SMM 14 NOT INSTALLED	37.8 51.0 33.8 47.0 ~ 43.0 54.6 ~ 45.6 72.5 ~ 44.9 34.9 45.0 16.4 ~ 62.5 83.2 ~ 113.0
17 17 18 19 19 19 19 19 19 10 10 11 11 11 11 11 11 11 11	SHC WHC SHC SHC SHC SHC SHC SHC SHC S	FHOSTAIS+ 24 SMM 13 FHOSTA 15+24 SMM 13 NOT INSTALLED NOT INSTALLED NOT INSTALLED NOT INSTALLED P.H. @ STA 18+58 SMM 14 P.H. @ STA 18+58 SMM 14 F.H. @ STA 18+58 SMM 14 F.H. @ STA 18+58 SMM 14 NOT INSTALLED	37.8 51.0 33.8 47.0 ~ 43.0 54.6 ~ 45.6 72.5 ~ 44.9 45.0 16.4 ~ 62.5 83.2 ~ 113.0 35.0
17 18 18 19 19 19 19 19 11 20 11 11 11 11 11 11 11 11	SHC WHC SHC SHC SHC SHC SHC SHC SHC S	FHESTA 15+24 SMH 13 FHESTA 15+24 SMH 13 NOT INSTALLED NOT INSTALLED NOT INSTALLED NOT INSTALLED P.H. @ STA 18+58 SMH 14 NOT INSTALLED F.H. @ STA 18+58 SMH 14 F.H. @ STA 18+58 SMH 14 NOT INSTALLED	37.8 51.0 33.8 47.0 ~ 43.0 54.0 72.5 ~ 44.6 19.6 24.9 34.9 45.0 16.4 ~ 62.5 83.2 ~ 113.0 35.0
17 17 18 19 19 19 19 19 19 19 19 19	SHC WHC SHC SHC SHC SHC SHC SHC SHC S	FHESTAIS+ 24 SMH 13 FH.@ STA 15+24 SMH 13 NOT INSTALLED NOT INSTALLED NOT INSTALLED NOT INSTALLED P.H.@ STA 18+58 SMH 14 NOT INSTALLED FH.@ STA 18+58 SMH 14 F.H.@ STA 18+58 SMH 24 F.H.@ STA 18+58 SMH 44 F.H.@ STA 18+58 SMH 14 NOT INSTALLED	37.8 51.0 33.8 47.0 ~ 43.0 54.0 72.5 ~ 44.0 19.0 24.9 34.9 45.0 10.4 ~ 62.5 83.2 ~ 113.0 35.0
17 17 18 19 19 19 19 19 19 19 19 19	\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	FHESTAIS+24 SMIS FHESTAIS+24 SMIS FHESTAIS+24 SMIS FHESTAIS+24 SMIS NOT INSTALLED NOT INSTALLED NOT INSTALLED PHESTAIS+SS SMIS SMIS FHESTAIS+SS SMIS FRESTAIS+SS SMIS FRESTAIS+SS SMIS NOT INSTALLED	37.8 51.0 33.8 47.0 ~ 43.0 54.0 72.5 ~ 44.6 19.6 24.9 34.9 45.0 16.4 ~ 62.5 83.2 ~ 113.0 35.0
17 18 18 19 19 19 11 20 11 11 11 11 11 11 11 11 11 11 11 11 11	SHC WHC SHC SHC SHC SHC SHC SHC SHC S	FHESTAIS+24 SMIS FHESTAIS+24 SMIS FHESTAIS+24 SMIS NOT INSTALLED NOT INSTALLED NOT INSTALLED NOT INSTALLED NOT INSTALLED NOT INSTALLED PHESTAIS+58 SMIS SMIS FHESTAIS+58 SMIS FINESTALLED NOT INSTALLED	37.8 51.0 33.8 47.0 ~ 43.0 54.0 72.5 ~ 44.6 19.6 24.9 34.9 45.0 16.4 ~ 62.5 83.2 ~ 113.0 35.0
17 17 18 18 19 19 11 20 11 12 11 12 11 12 11 12 11 12 11 12 12	\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	FHESTAIS+24 SMIS FHESTAIS+24 SMIS FHESTAIS+24 SMIS FHESTAIS+24 SMIS NOT INSTALLED NOT INSTALLED NOT INSTALLED PHESTAIS+SS SMIS SMIS FHESTAIS+SS SMIS FRESTAIS+SS SMIS FRESTAIS+SS SMIS NOT INSTALLED	37.8 51.0 33.8 47.6 ~ 43.0 54.6 72.5 ~ 44.6 12.6 24.9 34.9 45.0 16.4 ~ G2.5 83.2 ~ 13.0 35.0 ~ 40.6 40.6





8"V 5+41	SMH 804	8"7	431	
	SM 803	8"V	12,	
	SHC 3+88	8"V	321	
6" FHV	FH 3+83	O ^a V	10.5	
3+83	TEST STA.3+81	ؓV	111	
	SHC 2+60	6 ^u V	36'	, .
				•
TEST STATION	8"V 5+41	TEST STATION	26'	FOR TRACER
5+40	SMI 803	TEST STATION	201	WIRE C-900
	SM 804	TEST STATION	191	WATERLINE
TEST STATION	FH 3+83	TEST STATION	2.51	FOR TRACER
3+81	FHV 3+83	TEST STATION	11'	WIRE C-900
RT. OF FH	SM 803	TEST STATION	116'	WATERLINE
	· :			
TEST STATION	SMH BOI	TEST STATION	31'	FOR TRACER
0+02	SMH 802	TEST STATION	1001	WIRE C-900
	SM 810	TEST STATION	113.	WATERLINE
:				
8"V 0+90	SM 802	8"VALVE	1191	
	SM 810	8" VALVE	291	
	SM1 801	8"VALVE	10'	
AND LITERATED.				, + - ^

VALVES FROM

EVIS		ADDI			
		AUUI	11014		
	NO LOT #'S	FROM	TO	DISTANCE	
	SHC 1+80	WHC 2+88	SHC	181	
	SEWER STA.	SHC 2+60	SHC	88'	
SAME /		FH 3+83	SHC	113'	SAME
UTURE					FUTURE
LOT	WHC 2+88	SHC 2+60	WHC	691	LOT
	WL STA.	FH 3+83	WHC	95'	•
		SHC 1+80	WHC	181	
ام	SHC 2+60	WHC 3+73	SHC	101	
	SEWER STA.	FH 3+83	SHC	46.51	
SAME /		SHC 3+18	SHC	691	SEE PLAN
LOT				-	SHEET 2 01
201	WHC 3+73	SHC 2+60	WHC	10'	
	WL STA.	FH 3+83	WHC	45'	
ĺ		SHC 3+18	WHC	591	
,	SHC 3+18	FH 3+83	SHC	70'	•
CANE /	SEWER STA.	6"FHV 3+83	SHC	64'	
SAME		WHC 4+23	SHC	101	
LOT					,
_ ` `	WHC 4+23	FH 3+83	WHC	751	
	WL STA.	FHV 6"3+83	WHC	69,	
		SHC 3+18	WHC	101	

	NO LOT#'S	FROM	TO	DISTANCE
	SHC 3+98	WHC 4+23	SHC	691
	SEWER STA.	SMH 803	SHC	371
SAME /		WHC 4+82	SHC	10'
FUTURE				
LOT	WHC 4+82	WHC 4+23	WHC	731
·	WL STA.	SMH 803	WHC	38'
		SHC 3+98	WHC	10'
		•		
	WHC(ADDON)	SMHI	WHC	17'
	BETWEEN Ex.	SMI 2	WHC	39'
SEE PLAN	SMI I & SMI 2	SHC C/O	WHC	271
SHEET 2 OF7				
`	SHC(ADD ON)	SMI I	SHC	441
	BETWEEN Ex.		SHC	231
	SMIESMI2	WHC	SHC	17'

PARTMENT O	F PUBLIC WORKS	DEPARTMENT	OF PLANNING & ZONING
	La Company	·	
•			The second of th
•	•		(

HOWARD COUNTY, MARYLAND

			terior de la companya	•
M A .	7.	(3		;
CHIEF, DEVELOPMENT E	11111	M	u	
CHIEF, DEVELOPMENT E	NGINEERIN	G DIVISION	A D	1

MILDENBERG, BOENDER & ASSOC., INC./	
Engineers Planners Surveyors	
5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042 (410) 997-0296 Balt. (301) 621-5521 Wash. (410) 997-0298 Fax.	

_	William Action					
ini		engineering	٧,			
1	W. W. State	www.				
/ ATA	A SIE	illustration * 62 = MMM	13k			• :
\1\ -\		approval ;	1. S.			٠.
	3 3 3	oppi o voi			A STATE OF THE STA	
1		project ැත	FCC	₹	REVISE SHEET NO. 3 ADDITIONAL SHEET INCLUDED	1/20/0
	ANA TENCH	03-073	≻KC1	1	AŞ-BUILT DATA SHOWN	10/17/0
<u> </u>	The state of the s	date SEP. 06	""BY	NO.	REVISION	DATE
/						

TO DISTANCE REMARKS

WATER	&	SEWER
DE	TA	ILS

600' SCALE MAP NO. 31 BLOCK NO. 22

				_
TALBOTS	WOODS 1	PROPER	RTY PHASE	
	•			
. LOT	S 1-9, OPEN	SPACE LOTS	10-13	
1 101	D 1 0, 01 mi	Priton noin	10 10	

5	LOTS 1	4-24				
		CONTRACT	NO: 14-43	333-D		2
FIRST	ELECTION	DISTRICT	HOWAR	COUNTY,	MARYLAND	

	7 of	7

N.T.S