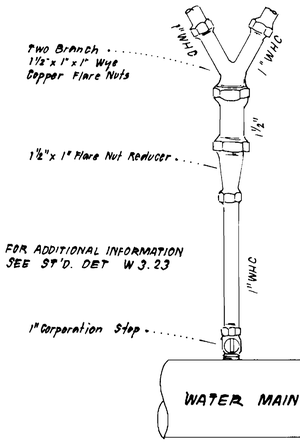
K&E 19 1283 5-83 A1403

SEWER HOUSE CONNECTION TABLE

LOTS	Inv.@ Pt.	Min. C	LOTS	Inv.@ Pt.	Min. C.
210 211	287.0	290.2	269 270	274.4	277.8
212 213	285.1	288.3	271 272	275.0	278.3
214 215	283.0	286.2	273 274	275.4	278.8
216 217	280.9	284.1	275 276	276.2	279.7
218 219	278.0	281.2	277 278	277.6	281.2
220 221	277.7	280.9	279 280	278.2	281.7
222 223	277.5	280.7	281 282	279.1	282.3
224 225	277.3	280.5	283 284	280.9	284.1
226 227	281.3	284.6	285 286	284.2	287.4
228 229	283.9	287.2	287 288	286.5	289.7
230 231	286.4	289.7	289 290	288.8	292.0
232	287.6	290.9	291 292	292.4	295.6
			293 294	293.3	296.5
			295 296	294.0	297.4
233 234	293.3	296.7	297 298	294.5	298.3
235 236	291.5	294.9	299 300	293.5	296.8
237 238	288.9	292.3	301 302	293.0	296.4
239 240	285.0	288.4	303 304	291.3	294.8
241 242	282.3	285.6	305 306	289.1	292.5
243 244	279.7	282.9	307 308	285.8	289.2
245	277.0	280.2	309 310	283.5	286.9
246 247	276.8	280.1	311	281.8	285.2
248 249	275.2	278.5	312 313	276.4	279.8
250 251	273.5	276.7	314 315	275.4	278.8
252	271.7	274.9	316 317	274.5	277.9
253 254	272.0	275.2	318 319	273.5	276.9
255 256	272.2	275.4	320 321	275.8	279.1
257	272.4	275.6	322 323	277.8	281.2
259 259	272.9	276.2	324	281.7	285.0
260 261	273.3	276.6	325 326	283.1	288.4
262	273.5	276.8	327 328	287.6	290.9
263 264	273.3	276.6	329 330	291.0	294.3
265 266	273.5	276.8	331 332	293.5	296.7
267 268	273.9	277.5	333 334	293.8	297.0



SPECIAL DETAIL
FOR DUAL BUILDING INSIDE METER SETTING
NO SCALE

Sediment Control Measures will be implemented in accordance with Section 219 of the Specifications & with Road Construction Plan F-88-182; Drawing 5 & 6 of 8 Sediment & Erosion Control.

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENT

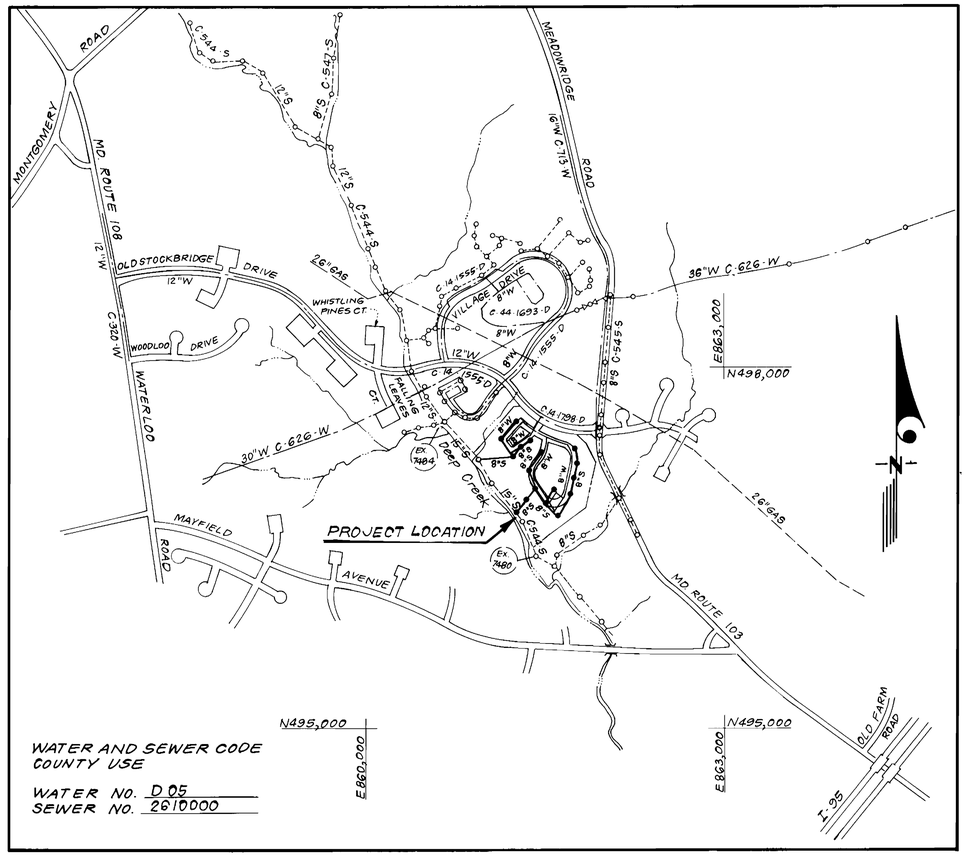
11-14-88
SIGNATURE DATE

U.S. SOIL CONSERVATION SERVICE

This Development Plan is approved for Soil Erosion and Sediment Control by the Howard Soil Conservation District.

APPROVED:

11/21/88
Howard S.C.D. DATE



WATER AND SEWER CODE
COUNTY USE

WATER NO. D 05
SEWER NO. 2610000

VICINITY MAP

CONTRACT NO. 14-1799-D
WOODLAND VILLAGE
SECTION 2 AREA 2, LOTS 210 THRU 341
HOWARD COUNTY, MARYLAND
DEPARTMENT OF PUBLIC WORKS

TYPE OF BUILDING	Townhouses
Nº OF UNITS	125
Nº OF SHC's	125
Nº OF WHC's	125
DRAINAGE AREA	Patapsco WWTP

GENERAL NOTES

1. 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 Inspector, at the contractor's expense.
2. All horizontal controls are based on Maryland State Coordinates.
3. All vertical controls are based on U.S.G.S. Datum.
4. All pipe elevations shown are invert elevations.
5. Clear all utilities by a minimum of 6" clear all poles by 2'-0" minimum or tunnel as required. Any cost incurred to the contractor for tunneling or bracing at poles shall be included in unit prices bid for excavation and backfill.
6. For details not shown on the drawings use Howard County Standard Details.
7. For materials and construction methods use Howard County Standard Specifications & Ho. Co. Design Manual, Volume IV. The contractor shall have Volume IV on the job.
8. Contractor shall locate existing utilities a minimum of two (2) weeks in advance of construction operations in the vicinity of proposed utilities at his own expense.
9. Contractor shall notify the following utilities or agencies at least five (5) working days before starting work shown on these plans.
   State Highway Administration - 531-5533
   Baltimore Gas & Electric Company - Contractor Services - 850-4620
   Baltimore Gas & Electric Company - Underground Damage Control - 859-9004
   Baltimore Gas & Electric Company - Trouble Shooting - 298-9001
   "Miss Utility" - 1-559-0100
   Chesapeake & Potomac (C & P) Telephone Company - 1-800-257-7777
   Colonial Pipeline Company - 795-1330
   Bureau of Utilities Howard County - 992-2366
10. Trees are to be protected from damage to maximum extent. Trees located within the construction strip are not to be removed or damaged by the contractor.
11. Contractor shall remove trees, stumps, and roots along line of excavation as directed by the Inspector. Payment for such removal shall be included in the unit price bid for excavation and backfill.
12. Place regulation "Men Working" and warning signs as required to comply with Maryland State Highway Administration Manual of Traffic Control for Highway Construction and Maintenance Operations.
13. All water mains to be C.I.P. Class 52 unless otherwise noted.
14. Top of all water mains to have a minimum of 3-1/2' cover unless otherwise noted.
15. Valves adjacent to tees shall be strapped to tees.
16. Block all fittings with concrete.
17. Bury line elevations on fire hydrants shall be set to the 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 to be compacted in accordance with Sections 1003 & 1008 of the Standard Specifications.
18. All water house connections shall be for an inside meter setting.
19. The contractor shall not operate any water main valves on the existing system.
20. All sewer mains shall be C.S.P.X., V.C.P.X., P.V.C., or A.C.P. Class 2400 unless otherwise noted.
21. The contractor shall provide a joint in all sewer mains within 2'-0" of exterior manhole wall.
22. All manholes shall be 4'-0" inside diameter, unless otherwise noted.
23. Water main and water house connection lines must have a minimum of one foot separation from the sanitary sewer and sewer house connections as they cross. Except at crossings, water and sewer lines shall have a minimum horizontal separation of 10'.
24. All D.I.P. fittings shall be in accordance with AWWA specification C-153 Ductile Iron Compact Fittings, 3-inch through 12-inch for water and other liquids.
25. WHC's to Lots 233 thru 334 shall be 1".

QUANTITIES

ITEM	EST'D	AS-BUILT	MATERIAL / SUPPLIER
8"W	2,117 L.F.	2069 L.F.	A&P Sewer & Water Supply; Atlantic States
6"W	552 L.F.		" "
8"S	2,309 L.F.	2408 L.F.	" " Certainteed
6"SHC	2,210 L.F.	2229 L.F.	" " "
1" WHC	2,852 LF	2652 L.F.	" Cambridge Lea
¾" INHC	315 LF		
F.H.	7 EA.	7 EA.	" Mueller Co.
4'-0" Dia. MH	17 EA.	17 EA.	Atlantic Pipe Prods.; Frames & Covers, E.A. Quirin Machine Shop
8" V	5 EA.	5 EA.	A&P Sewer & Water Prods.; Mueller
6" V (8"x6")	4 EA.	4 EA.	" " "

* NOTE: AS-BUILTS ON SHEETS 2, 3 & 4.

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

11/16/88
DIRECTOR OF PUBLIC WORKS DATE

11-10-88
CHIEF, BUREAU OF ENGINEERING DATE

11-10-88
CHIEF, BUREAU OF UTILITIES DATE

11/15/88
CHIEF, LAND DEVELOPMENT DIV. DATE

CLARK · FINEFROCK & SACKETT
ENGINEERS · PLANNERS · SURVEYORS
7135 MINSTREL WAY COLUMBIA, MD. 21045
Phone: Balt. (301) 381-7500
Wash. (301) 621-8100

STATE OF MARYLAND — G. CARLSON CLARK — No. 7129 — REGISTERED PROFESSIONAL ENGINEER
3-30-88

DES: JTR
DRN: VLM
CHK: JTR
DATE: 3-88

BY	NO.	REVISION	DATE
JTR	1	Added Special Detail, Gen Note 25 & Rev Quantities Box	12-9-88

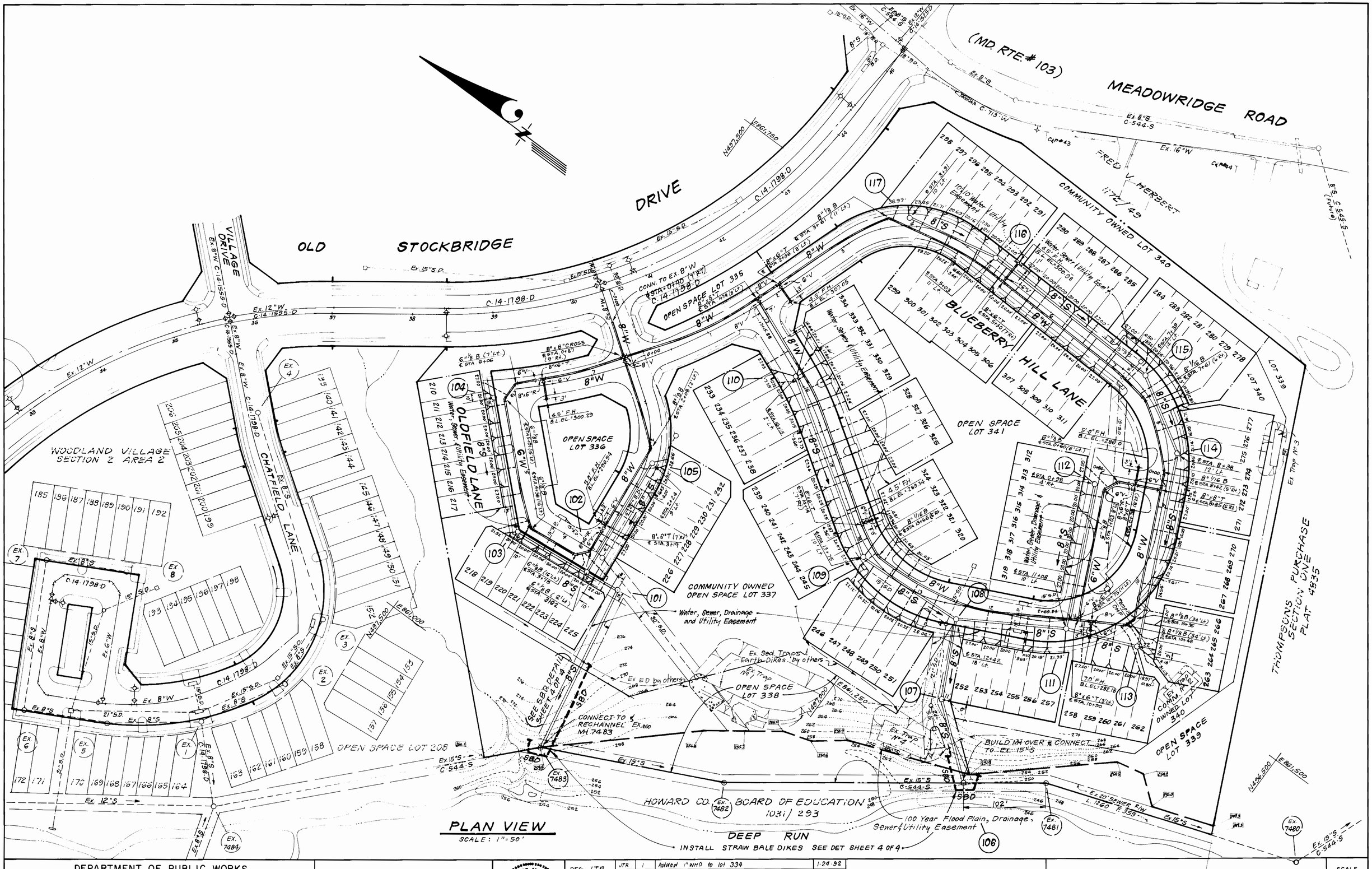
TITLE SHEET

600' SCALE MAP NO. 37 BLOCK NO.

WOODLAND VILLAGE
SECTION 2 AREA 2, LOTS 210 THRU 341
1ST ELECTION DISTRICT
CONTRACT NO. 14-1799-D

SCALE 1"=600'
SHEET 1 OF 4

A. DUTT 12-14-88



DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

DIRECTOR OF PUBLIC WORKS — DATE 11/16/88

CHIEF, BUREAU OF UTILITIES — DATE 11-10-88

CHIEF, BUREAU OF ENGINEERING — DATE 11-16-88

CHIEF, LAND DEVELOPMENT DIV. — DATE 4/15/92

CLARK · FINEFROCK & SACKETT, INC.
ENGINEERS · PLANNERS · SURVEYORS
7135 MINSTREL WAY COLUMBIA MARYLAND 21045
(301) 381-7500 BALTO. (301) 621-8100 WASH.

STATE OF MARYLAND — G. NELSON CLARK — No. 6560 — REGISTERED PROFESSIONAL ENGINEER — 11-10-88

DES: JTR	JTR	1	Added 1"WHD to lot 334	1-24-92	
DRN: VLM					
CHK: JTR					
DATE: 3-88	BY	NO.	REVISION	DATE	

PLAN OF
WATER & SEWER MAINS

600' SCALE MAP NO. 37 BLOCK NO.

WOODLAND VILLAGE
SECTION 2 AREA 2, LOTS 210 THRU 341
1ST ELECTION, DISTRICT
CONTRACT NO. 14-1799-D

SCALE AS SHOWN

SHEET 2 OF 4

AS BUILT

Lot #	TYPE CONN.	DISTANCE	DESCRIPTION
210	WATER	30'	TO MH-104
	WATER	26'	TO W.H.C.- 211
	SEWER	18'	TO MH-104
	SEWER	9'	TO W.H.C. - 210
211	W	14'	TO MH-104
	W	6'	TO W.H.C. - 212
	S	14'	TO MH-104
	S	14'	TO W.H.C. - 210
212	W	17.5'	TO MH-104
	W	6'	TO W.H.C. - 211
	S	27'	TO MH-104
	S	7'	TO S.H.C. - 213
213	W	32'	TO W.H.C. - 212
	W	6'	TO W.H.C. - 214
	S	7'	TO S.H.C. - 213
	S	34'	TO S.H.C. - 214
214	W	6'	TO W.H.C. - 213
	W	32'	TO W.H.C. - 215
	S	34'	TO S.H.C. - 213
	S	7'	TO S.H.C - 215
215	W	32'	TO W.H.C. - 214
	W	6'	TO W.H.C. - 216
	S	34'	TO S.H.C. - 216
	S	7'	TO S.H.C. - 214
216	W	6'	TO W.H.C. - 215
	W	30'	TO W.H.C. - 217
	S	34'	TO S.H.C. - 215
	S	7'	TO S.H.C. - 217
217	W	38'	TO W.H.C. - 218
	W	35'	TO MH-103
	S	7'	TO S.H.C. - 216
	S	58'	TO MH-103
218	W	27'	TO MH-103
	W	28'	TO W.H.C. - 219
	S	20'	TO MH-103
	S	15'	TO S.H.C. - 219
219	W	10'	TO MH-103
	W	7'	TO MH-220
	S	10'	TO MH-103
	S	15'	TO S.H.C. - 218
220	W	15'	TO MH-103
	W	7'	TO W.H.C. - 219
	S	25'	TO S.H.C. - 219
	S	6'	TO S.H.C. - 221
221	W	17'	TO N.E. COR. INLET
	W	7'	TO W.H.C. - 222
	S	32'	TO S.H.C. - 222
	S	6'	TO S.H.C. - 220
222	W	7'	TO W.H.C. - 221
	W	24'	TO N.E. COR. INLET
	S	6'	TO S.H.C. - 223
	S	32'	TO S.H.C - 221

LOT #	TYPE CONN.	DISTANCE	DESCRIPTION
223	W	8'	TO W.H.C. - 224
	W	20'	TO MH-102
	S	34'	TO S.H.C. - 224
	S	6'	TO S.H.C. - 222
224	W	8'	TO MH-223
	W	13'	TO MH-102
	S	13'	TO MH- ~~107~~ 102
	S	34'	TO S.H.C. - 223
225	W	30'	TO W.H.C. - 224
	W	29'	TO MH-102
	S	35'	TO MH-101
	S	6'	TO S.H.C. - 224
226	W	55'	TO MH-102
	W	44'	TO F.H.
	S	62'	TO MH-101
	S	36'	TO S.D. MH
227	W	82'	TO MH-102
	W	46'	TO F.H.
	S	40'	TO S.D. MH.
	S	70'	TO MH-101
228	W	88'	TO MH-102
	W	87'	TO MH-101
	S	24'	TO S.H.C. - 227
	S	7'	TO S.H.C. - 229
229	W	120'	TO MH-101
	W	46'	TO MH-105
	S	33'	TO S.H.C. - 230
	S	7'	TO S.H.C. - 228
230	W	35'	TO MH-105
	W	79'	TO F.H.
	S	7'	TO S.H.C. - 231
	S	~~24~~ 29'	TO MH-105
231	W	102'	TO F.H.
	W	19'	TO MH-105
	S	7'	TO S.H.C. - 230
	S	24'	TO MH-105
232	W	20'	TO MH-105
	W	110'	TO F.H.
	S	20'	TO MH-105
	S	8'	TO W.H.C. - 232
233	W	41'	TO MH-110
	W	79'	TO F.H.
	S	30'	TO MH-110
	S	5'	TO S.H.C. - 234
234	W	22'	TO MH-110
	W	99'	TO F.H.
	S	27.5'	TO MH-110
	S	5'	TO S.H.C. - 233
235	W	23'	TO MH-110
	W	104'	TO F.H.
	S	27.5'	TO MH-110
	S	5'	TO S.H.C. - 235

LOT #	TYPE CONN.	DISTANCE	DESCRIPTION
236	W	44'	TO MH-110
	W	35'	TO W.H.C. # 237
	S	32'	TO MH-110
	S	5'	TO S.H.C. - 235
237	W	48'	TO MH-110
	W	5'	TO W.H.C. # 236
	S	63'	TO MH-110
	S	6'	TO S.H.C. - 238
238	W	77'	TO MH-110
	W	34'	TO W.H.C. # 236
	S	6'	TO S.H.C. - 237
	S	67.5'	TO MH-110
239	W	109'	TO MH-110
	W	98'	TO 6" F.H. VALVE
	S	92'	TO F.H.
	S	89'	TO 6" F.H. VALVE
240	W	68'	TO 6" F.H. VALVE
	W	73.5'	TO F.H.
	S	86'	TO F.H.
	S	83.5'	TO 6" F.H. VALVE
241	W	64.5'	TO 6" F.H. VALVE
	W	70'	TO F.H.
	S	60'	TO F.H.
	S	55'	TO 6" F.H. VALVE
242	W	40'	TO 6" F.H. VALVE
	W	49'	TO F.H.
	S	56'	TO F.H.
	S	51'	TO 6" F.H. VALVE
243	W	38'	TO 6" F.H. VALVE
	W	46.5'	TO F.H.
	S	46'	TO F.H.
	S	38.5'	TO 6" F.H. VALVE
244	W	39.5'	TO 6" F.H. VALVE
	W	48'	TO F.H.
	S	46'	TO F.H.
	S	39'	TO 6" F.H. VALVE
245	W	43'	TO 6" F.H. VALVE
	W	51'	TO F.H.
	S	57'	TO F.H.
	S	52'	TO 6" F.H. VALVE
246	W	77'	TO 6" F.H. VALVE
	W	83'	TO F.H.
	S	89'	TO F.H.
	S	41'	TO 6" F.H. VALVE
247	W	97'	TO 6" F.H. VALVE
	W	101.5'	TO F.H.
	S	90'	TO F.H.
	S	43'	TO MH-109
248	W	102'	TO 6" F.H. VALVE
	W	109'	TO F.H.
	S	70'	TO MH-109
	S	79.5'	TO S.D. MH

LOT #	TYPE CONN.	DISTANCE	DESCRIPTION
249	W	76'	TO MH-108
	W	60.5'	TO STORM DRAIN MH
	S	75.5'	TO MH-109
	S	73.5'	TO S.D. MH
250	W	72'	TO MH-108
	W	56'	TO S.D. MH
	S	104'	TO MH-109
	S	41'	TO S.D MH
251	W	45.5'	TO MH-108
	W	28'	TO S.D. MH
	S	109'	TO MH-109
	S	36'	TO S.D. MH
252	W	44'	TO MH-108
	W	53'	TO S.D. MH.
	S	42'	TO S.D. MH
	S	35'	TO MH-108
253	W	49'	TO MH-108
	W	58'	TO S.D. MH
	S	72'	TO S.D. MH
	S	62'	TO MH-108
254	W	73.5'	TO MH-108
	W	85'	TO S.D. MH
	S	77'	TO S.D. MH
	S	67'	TO MH-108
255	W	93.5'	TO MH-108
	W	105'	TO S.D. MH
	S	113'	TO S.D. MH
	S	101'	TO MH-108
256	W	38'	TO MH-111
	W	59'	TO F.H.
	S	37'	TO INLET, & LID
	S	49.5'	TO MH-111
257	W	37'	TO MH-111
	W	57'	TO F.H.
	S	67'	TO INLET, & LID
	S	30'	TO MH-111
258	W	46.5'	TO MH-111
	W	41.5'	TO F.H.
	S	55'	TO MH-111
	S	44'	TO F.H.
259	W	71'	TO MH-111
	W	52'	TO F.H.
	S	59'	TO MH-111
	S	45'	TO F.H.
260	W	75'	TO MH-111
	W	55'	TO F.H.
	S	90'	TO MH-111
	S	67'	TO F.H.
261	W	108'	TO MH-111
	W	84'	TO F.H.
	S	93.5'	TO MH-111 ~~F.H.~~
	S	~~40~~ 71'	TO F.H. ~~MH-113~~

LOT #	TYPE CONN.	DISTANCE	DESCRIPTION
262	W	112'	TO MH-111
	W	86.5'	TO F.H.
	S	93.5'	TO F.H.
	S	40'	TO MH-113
263	W	97'	TO F.H.
	W	34.5'	TO MH-113
	S	90'	TO F.H.
	S	24'	TO MH-113
264	W	24'	TO MH-113
	W	88'	TO F.H.
	S	89'	TO F.H.
	S	22'	TO MH-113
265	W	26'	TO MH-113
	W	88.5'	TO F.H.
	S	91'	TO F.H.
	S	36'	TO MH-113
266	W	50'	TO MH-113
	W	95.5'	TO F.H.
	S	91'	TO F.H.
	S	40'	TO MH-113
267	W	63'	TO INLET, & LID
	W	78.5'	TO MH-113
	S	87'	TO MH-113
	S	70'	TO INLET, & LID
268	W	81'	TO INLET, & LID
	W	5'	TO W.H.C. - 269
	S	93'	TO MH-113
	S	70'	TO INLET, & LID
269	W	86'	TO INLET, & LID
	W	34'	TO W.H.C. - 270
	S	6'	TO S.H.C. - 270
	S	98'	TO INLET, & LID.
270	W	111'	TO INLET, & LID.
	W	95'	TO F.H.
	S	105'	TO F.H.
	S	102'	TO INLET, & LID
271	W	73'	TO MH-114
	W	77'	TO F.H.
	S	70'	TO F.H.
	S	62'	TO MH-114
272	W	43'	TO MH-114
	W	65'	TO F.H.
	S	67'	TO F.H.
	S	56'	TO MH-114
273	W	64'	TO F.H.
	W	38'	TO MH-114
	S	61'	TO F.H.
	S	24'	TO MH-114
274	W		
	W		
	S	20'	TO MH-114
	S	62'	TO F.H.

✚NOTE: FOR FIRST ±20' OFF OF WATER MAIN, 1" COPPER LINES FOR LOTS 263, 264, 265, ARE IN SAME TRENCH

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

DIRECTOR OF PUBLIC WORKS DATE

CHIEF, BUREAU OF ENGINEERING DATE

DES:
DRN:
CHK:
DATE:

BY	NO.	REVISION	DATE

FIELD AS-BUILDS, WATER & SEWER
REFER TO SHEET-2 OF PLANS

600' SCALE MAP NO. _____ BLOCK NO. _____

WOODLAND VILLAGE
SECTION 2, AREA 2 LOTS 210 THRU 341

1ST ELECTION DIST.
CONTRACT NO. 14-1799-D

SCALE AS SHOWN

SHEET 2-B OF ___

AS-BUILT 2-14-92

LOT #	TYPE	CONN.	DISTANCE	DESCRIPTION
275	W		14'	TO MH-114
	W		13'	TO SHC 274
	S		22'	TO MH-114
	S		72'	TO F.H.
276	W		79'	TO MH-115
	W		35'	TO MH-115
	S		25'	TO MH-114
	S		73'	TO F.H.
277	W		40'	TO MH-114
	W		73'	TO MH-115
	S		57'	TO MH-114
	S		98'	TO F.H.
278	W		69'	TO MH-114
	W		57'	TO MH-115
	S		65'	TO MH-114
	S		103'	TO F.H.
279	W		74'	TO MH-114
	W		51'	TO MH-115
	S		49'	TO MH-115
	S		80'	TO MH-114
280	W		34'	TO MH-115
	W		97'	TO MH-114
	S		43'	TO MH-115
	S		85'	TO MH-114
281	W		32'	TO MH-115
	W		102'	TO MH-114
	S		26'	TO MH-115
	S		5'	TO S.H.C.-282
282	W		30'	TO MH-115
	W		30'	TO W.H.C-281
	S		26'	TO MH-115
	S		5'	TO S.H.C.-281
283	W		5'	TO W.H.C-282
	W		35'	TO MH-115
	S		43'	TO MH-115
	S		5'	TO S.H.C.-284
284	W		58'	TO MH-115
	W		27'	TO W.H.C-283
	S		47'	TO MH-115
	S		5'	TO S.H.C.-283
285	W		86'	TO MH-115
	W		125'	TO F.H.
	S		37'	TO INLET, & LID
	S		5'	TO S.H.C.-286
286	W		97'	TO F.H.
	W		5'	TO W.H.C.-287
	S		42'	TO INLET, & LID
	S		5'	TO S.H.C.-285
287	W		91'	TO F.H.
	W		6'	TO W.H.C.-286
	S		75'	TO F.H.
	S		82'	TO 6" F.H. VALVE
288	W		56'	TO F.H.
	W		85'	TO MH-116
	S		69'	TO F.H.
	S		76'	TO 6" F.H. VALVE
289	W		49'	TO F.H.
	W		77'	TO MH-116
	S		35'	TO F.H.
	S		47'	TO 6" F.H. VALVE
290	W		19'	TO F.H.
	W		45'	TO MH-116
	S		29'	TO F.H.
	S		41.5'	TO 6" F.H. VALVE
291	W		15'	TO F.H.
	W		15'	TO MH-116
	S		28'	TO F.H.
	S		43.5'	TO 6" F.H. VALVE
292	W		24'	TO MH-116
	W		45'	TO F.H.
	S		33'	TO F.H.
	S		47'	TO 6" F.H. VALVE
293	W		29'	TO MH-116
	W		49'	TO F.H.
	S		67'	TO F.H.
	S		74'	TO 6" F.H. VALVE
294	W		85'	TO F.H.
	W		70'	TO MH-117
	S		72.5'	TO F.H.
	S		79'	TO 6" F.H. VALVE
295	W		64'	TO MH-117
	W		5'	TO W.H.C.-294
	S		109'	TO F.H.
	S		47'	TO MH-117
296	W		27'	TO MH-117
	W		5'	TO W.H.C.-297
	S		114'	TO F.H.
	S		45'	TO MH-117
297	W		5'	TO W.H.C.-296
	W		22'	TO MH-117
	S		69'	TO S.H.C.-299
	S		17'	TO MH-117
298	W		20'	TO MH-117
	W		34'	TO W.H.C.-297
	S		18.5'	TO MH-117
	S		70.5'	TO S.H.C.-299
299	W		49'	TO MH-117
	W		87'	TO MH-116
	S		93.5'	TO 6" F.H. VALVE
	S		106'	TO F.H.
300	W		57'	TO MH-116
	W		72'	TO MH-117
	S		87'	TO 6' F.H. VALVE
	S		98'	TO F.H.
301	W		51'	TO MH-116
	W		80'	TO F.H.
	S		55'	TO 6" F.H. VALVE
	S		71'	TO F.H.
302	W		37'	TO MH-116
	W		56'	TO F.H.
	S		48'	TO 6" F.H. VALVE
	S		67'	TO F.H.
303	W		36'	TO MH-116
	W		52'	TO F.H.
	S		21'	TO 6" F.H. VALVE
	S		49'	TO F.H.
304	W		53'	TO MH-116
	W		50'	TO F.H.
	S		19'	TO 6" F.H. VALVE
	S		48'	TO F.H.
305	W		58'	TO MH-116
	W		52'	TO F.H.
	S		36'	TO 6" F.H. VALVE
	S		58'	TO F.H.
306	W		67'	TO F.H.
	W		82'	TO MH-116
	S		41'	TO 6" F.H. VALVE
	S		62.5'	TO F.H.
307	W		91'	TO F.H.
	W		112'	TO MH-116
	S		90.5'	TO 6" F.H. VALVE
	S		103'	TO F.H.
308	W		109'	TO MH-115
	W		84'	TO INLET
	S		7.5'	TO S.H.C.-307
	S		70'	TO INLET, & LID
309	W		102'	TO MH-115
	W		79'	TO INLET
	S		92'	TO MH-115
	S		48'	TO INLET, & LID
310	W		71'	TO MH-115
	W		43'	TO INLET, & LID
	S		89'	TO MH-115
	S		45'	TO INLET, & LID
311	W		65'	TO MH-115
	W		39'	TO INLET, & LID
	S		59'	TO MH-115
	S		47'	TO INLET, & LID
312	W		25.5'	TO MH-112
	W		66'	TO F.H.
	S		15'	TO MH-112
	S		68'	TO F.H.
313	W		20'	TO MH-112
	W		76.5'	TO F.H.
	S		17'	TO MH-112
	S		71'	TO F.H.
314	W		23'	TO MH-112
	W		79'	TO F.H.
	S		35'	TO MH-112
	S		88'	TO F.H.
315	W		93'	TO INLET, & LID
	W		55'	TO MH-112
	S		41'	TO MH-112
	S		93'	TO F.H.
316	W		89.5'	TO INLET, & LID
	W		59.5'	TO MH-112
	S		73'	TO MH-112
	S		80'	TO INLET, & LID
317	W		93.5'	TO MH-111
	W		65'	TO INLET, & LID
	S		79'	TO MH-112
	S		75'	TO INLET, & LID
318	W		89'	TO MH-111
	W		63.5'	TO INLET, & LID
	S		82'	TO F.H.
	S		58'	TO INLET, & LID
319	W		57'	TO MH-111
	W		55.5'	TO INLET, & LID
	S		79'	TO F.H.
	S		59'	TO INLET, & LID
320	W		84'	TO 6" F.H. VALVE
	W		80'	TO F.H.
	S		69'	TO F.H.
	S		62'	TO MH-109
321	W		51'	TO 6" F.H. VALVE
	W		47'	TO F.H.
	S		61'	TO F.H.
	S		59'	TO MH-109
322	W		47'	TO 6' F.H. VALVE
	W		42.5'	TO F.H.
	S		31'	TO F.H.
	S		53'	TO MH-109
323	W		29'	TO 6" F.H. VALVE
	W		21.5'	TO F.H.
	S		25'	TO F.H.
	S		54'	TO MH-109
324	W		22.5'	TO F.H.
	W		30'	TO 6" F.H. VALVE
	S		30'	TO F.H.
	S		78'	TO MH-109
325	W		73'	TO F.H.
	W		78'	TO 6" F.H. VALVE
	S		79'	TO F.H.
	S		84'	TO 6" F.H. VALVE
326	W		97'	TO F.H.
	W		100'	TO 6" F.H. VALVE
	S		83'	TO F.H.
	S		89'	TO 6" F.H. VALVE
327	W		101'	TO F.H.
	W		105'	TO 6" F.H. VALVE
	S		33.5'	TO SHC-326
	S		10'	TO SHC 328
328	W		99'	TO MH-110
	W		86'	TO WHC-236
	S		10'	TO SHC-327
	S		106'	TO MH-110
329	W		68'	TO MH-110
	W		64'	TO W.H.C.-236
	S		60'	TO MH-110
	S		6'	TO SHC-330
330	W		49'	TO MH-110
	W		103'	TO F.H.
	S		56.5'	TO MH-110
	S		6'	TO S.H.C.-329
331	W		47'	TO MH-110
	W		99'	TO F.H.
	S		45'	TO MH-110
	S		91'	TO F.H.
332	W		46'	TO MH-110
	W		63'	TO F.H.
	S		43'	TO MH-110
	S		85'	TO F.H.
333	W		48'	TO MH-110
	W		58'	TO F.H.
	S		54.5'	TO MH-110
	S		52'	TO F.H.
334	W		67'	TO MH-110
	W		26'	TO F.H.
	S		62'	TO MH-110
	S		43'	TO F.H.
335	W			OPEN SPACE
	W			
	S			
	S			
336	W			OPEN SPACE
	W			
	S			
	S			
337	W			OPEN SPACE
	W			
	S			
	S			
338	W			OPEN SPACE
	W			
	S			
	S			
339	W			OPEN SPACE
	W			
	S			
	S			
340	W			OPEN SPACE
	W			
	S			
	S			
341	W			OPEN SPACE
	W			
	S			
	S			

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

DIRECTOR OF PUBLIC WORKS — DATE

CHIEF, BUREAU OF ENGINEERING — DATE

DES:
DRN:
CHK:
DATE:

BY	NO.	REVISION	DATE

FIELD AS-BUILTS, S.H.C.'s & W.H.C.'s

REFER TO SHEET-2 OF PLANS

600' SCALE MAP NO. _____ BLOCK NO. _____

WOODLAND VILLAGE
SECTION-2, AREA-2 LOTS 210 → 341

1ST ELECTION DISTRIC
CONTRACT NO. 14-1799-D

SCALE AS SHOWN

SHEET 2 OF ___

AS-BUILT 2-14-92

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

DIRECTOR OF PUBLIC WORKS — 11/16/88 DATE	CHIEF, BUREAU OF ENGINEERING — 11-16-88 DATE
CHIEF, BUREAU OF UTILITIES — 11-10-88 DATE	CHIEF, LAND DEVELOPMENT DIV. — 11/10/88 DATE

CFS CLARK-FINEFROCK & SACKETT, INC.
ENGINEERS · PLANNERS · SURVEYORS
7135 MINSTREL WAY COLUMBIA MARYLAND 21045
(301) 381-7500 BALTO. (301) 621-8100 WASH.

DES: JTR
DRN: VLM
CHK: JTR
DATE: 3-88

BY	NO.	REVISION	DATE

PROFILES OF WATER & SEWER MAINS

600' SCALE MAP NO. 37 BLOCK NO.

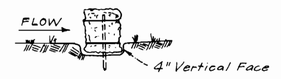
WOODLAND VILLAGE
SECTION 2 AREA 2, LOTS 210 THRU 341
1ST ELECTION DISTRICT
CONTRACT NO. 14-1799-D

SCALE AS SHOWN

SHEET 3 OF 4

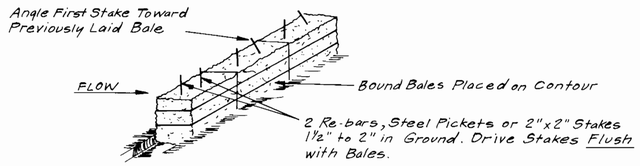
SEQUENCE OF CONSTRUCTION (Outfall Sewers - Ex MH 7983 to MH1 & MH6 to MH7)

	DAYS
1. Obtain grading permit	1
2. Clear and grade area and install sediment and erosion control devices	4
3. Excavate and install 8" Sewer Pipe.	4
4. Backfill trench and stabilize in accordance with standard details and specifications.	4
5. Remove sediment and erosion control devices and stabilize upon approval of S&E Control Inspector.	7



BEDDING DETAIL

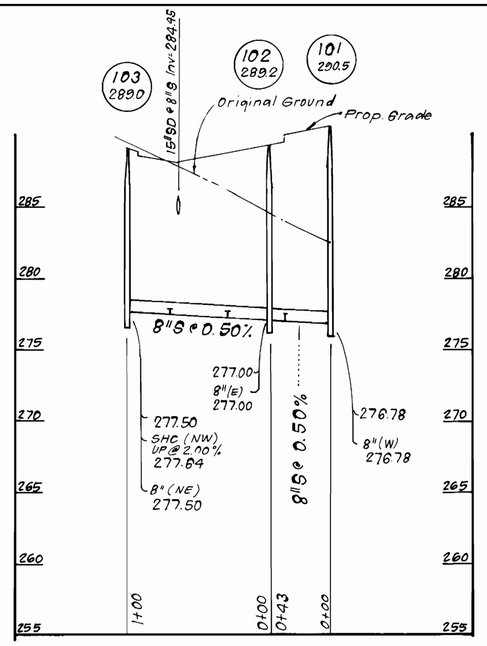
STANDARD SYMBOL
S.B.D.



ANCHORING DETAIL

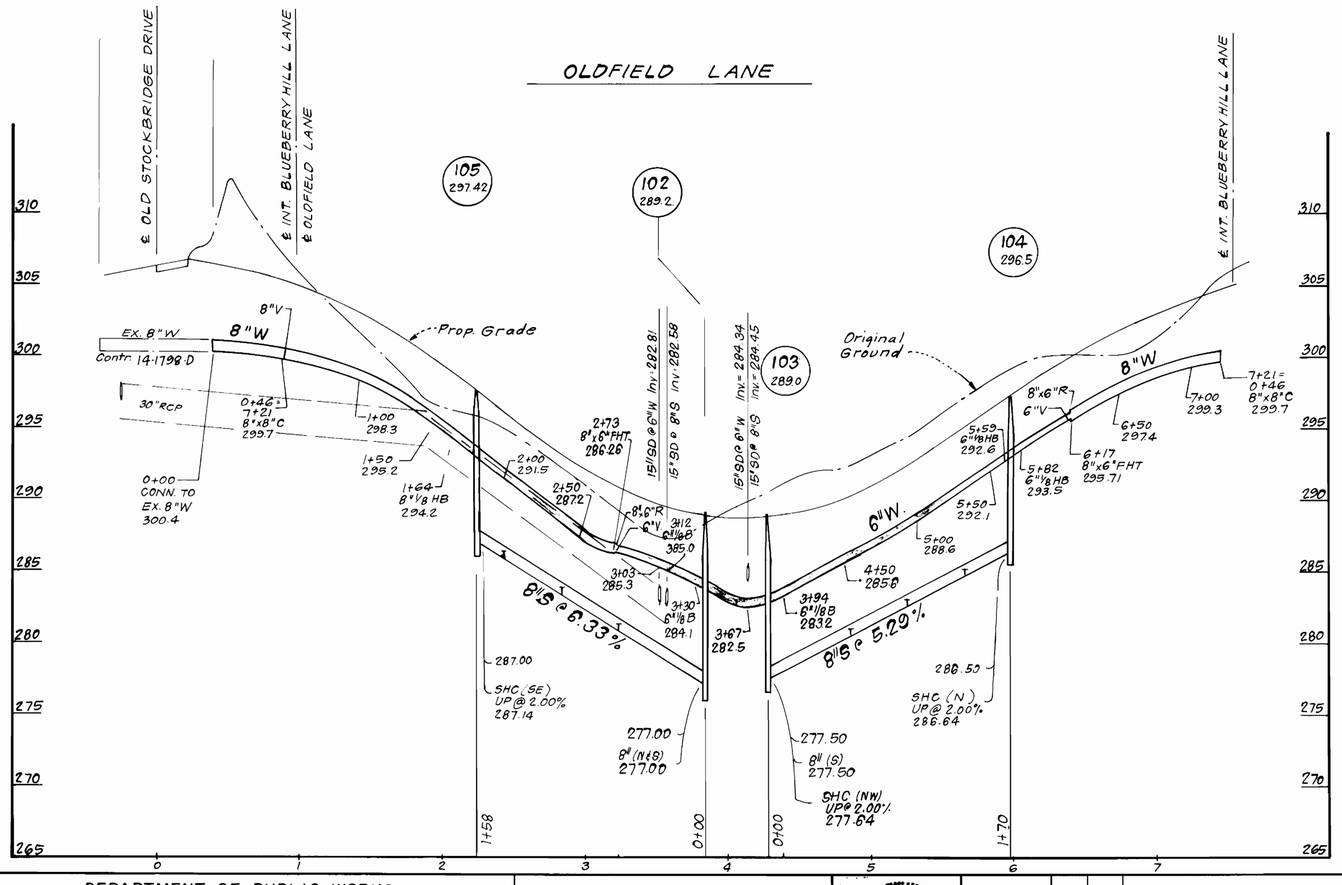
STRAW BALE DIKE

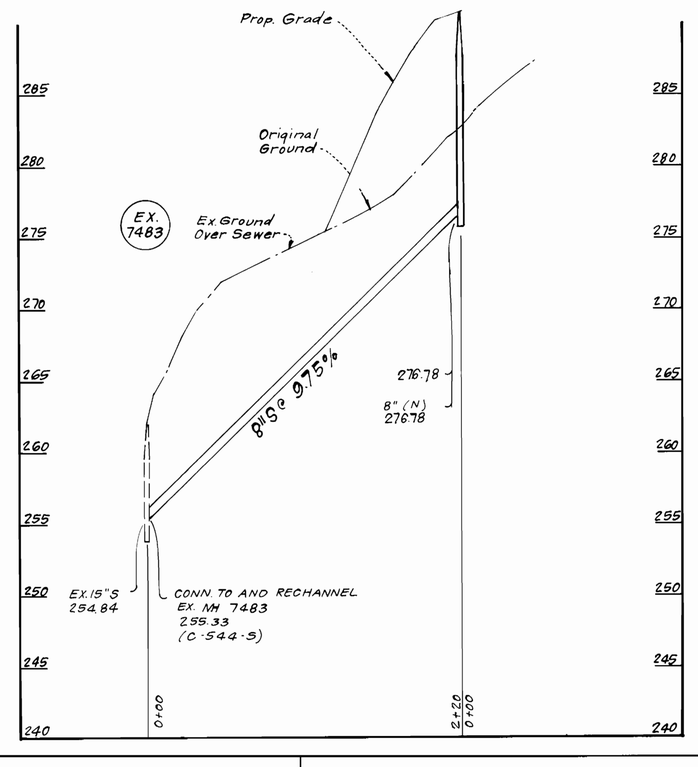
NO SCALE



PROFILE SCALE
HORZ. : 1" = 50'
VERT. : 1" = 5'

OLDFIELD LANE





DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

DIRECTOR OF PUBLIC WORKS — DATE 11/16/88
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(301) 381-7500 BALTO. (301) 621-8100 WASH.

STATE OF MARYLAND — CHARLES W. CLARK — No. 7790 — REGISTERED PROFESSIONAL ENGINEER — 3-10-88

DES: J.T.R.					
DRN: V.L.M.					
CHK: J.T.R.					
DATE: 3-88	BY	NO.	REVISION	DATE	

PROFILES OF
WATER & SEWER MAINS

600' SCALE MAP NO. 37 BLOCK NO.

WOODLAND VILLAGE
SECTION 2 AREA 2, LOTS 210 THRU 341
1ST ELECTION DISTRICT
CONTRACT NO. 14-1799-D

SCALE AS SHOWN

SHEET 4 OF 4