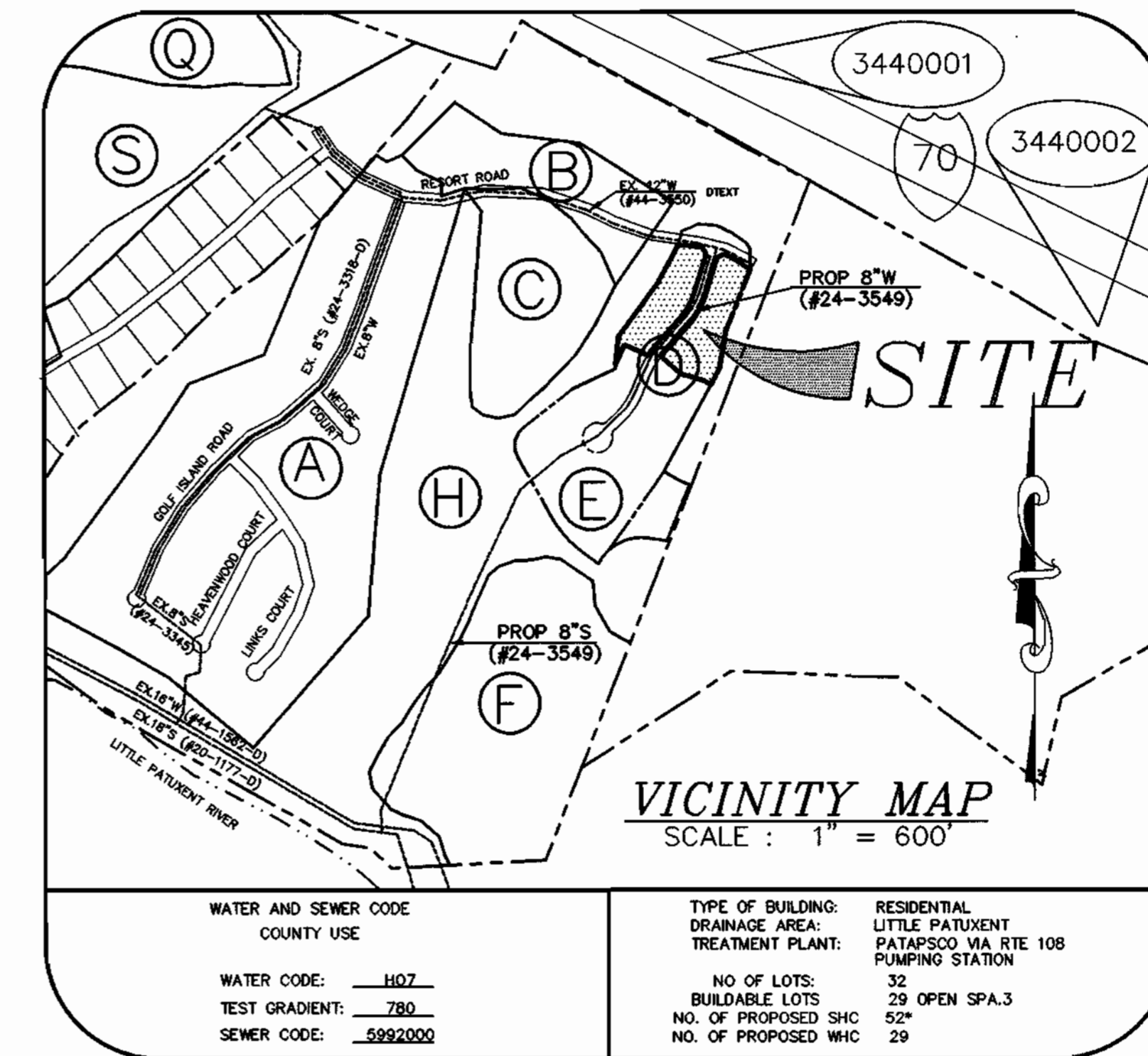


QUANTITY TABLE

ITEMS	QUANTITIES ESTIMATED	QUANTITIES	TYPE	MANUFACTURER/SUPPLIER
8" W DIP	577 L.F.			
6" W DIP	32 L.F.			
1 1/2" W DIP	131 L.F.			
1" W DIP	350 L.F.			
6" VALVE	2 EACH			
8" VALVE	1 EACH			
8" PLUG	1 EACH			
FIRE HYDRANT	2 EACH			
8" S (PVC)	3030 L.F.			
4" HC (PVC)	1439 L.F.			
4" MANHOLE	14 EACH			
SURVEY AND DRAFTING DIVISION AS-BUILT DATE				
NAME OF UTILITY CONTRACTOR:				

**WATER AND SEWER MAIN EXTENSIONS
THE LEGENDS AT
TURF VALLEY
PGCC DISTRICT, RESIDENTIAL SUBDISTRICT
PHASE I - LOTS 60-91
2nd ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
CONTRACT NO. 24-3549-D**



INDEX OF DRAWINGS

NO.	DESCRIPTION
1	TITLE SHEET & PLAN VIEW
2	WATER AND SEWER MAIN PROFILE
3	SEWER MAIN PLAN & PROFILE

PLAN REFERENCE NUMBERS

FDP PGCC DISTRICT, RESIDENTIAL SUBDISTRICT
SP-93-14

WATER NOTES

- ALL WATER MAINS TO BE D.I.P. CLASS 52 UNLESS OTHERWISE NOTED.
- TOPS OF ALL WATER MAINS TO HAVE A MINIMUM OF 3-1/2" COVER UNLESS OTHERWISE NOTED.
- VALVES ADJACENT TO TEES SHALL BE STRAPPED TO TEES.
- ALL FITTINGS SHALL BE BUTTRESSED OR ANCHORED WITH CONCRETE IN ACCORDANCE WITH THE STANDARD DETAILS UNLESS OTHERWISE PROVIDED FOR ON THE DRAWINGS.
- 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.
- THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING WATER SYSTEM.
- ALL WATER HOUSE CONNECTIONS SHALL BE FOR INSIDE METER SETTING UNLESS OTHERWISE NOTED ON PLANS OR IN SPECIFICATIONS.

SEWER NOTES

- ALL SEWER MAINS SHALL BE P.V.C. OR D.I.P. UNLESS OTHERWISE NOTED.
- ALL MANHOLES SHALL BE 4'-0" INSIDE DIAMETER UNLESS OTHERWISE NOTED.
- FORCE MAINS SHALL BE D.I.P. ONLY.
- MANHOLES SHOWN WITH 12" AND 16" WALLS ARE FOR BRICK MANHOLES ONLY.
- MANHOLES DESIGNATED W.T. IN PLAN AND PROFILE SHALL HAVE WATER TIGHT FRAME AND COVERS, STANDARD DETAIL 05.52. WHERE WATER TIGHT MANHOLE FRAME AND COVER IS USED, SET TOP OF FRAME 1" - 6" ABOVE FINISHED GRADE UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- HOUSE(S) WITH THE SYMBOL "C.N.S." INDICATES THAT CELLAR CANNOT BE SERVED. F-96-150 & F-98-107.

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. DATA.
- ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
- 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.
- 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.
- 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.
- CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITY COMPANIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:
AT & T (410) 865-3803
B&E CO. CONTRACTOR SERVICES (410) 850-4620
B&E CO. UNDERGROUND DAMAGE CONTROL (410) 787-9088
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS (410) 313-4900
M&S UTILITY (1-800-257-7777)
COLONIAL PIPELINE CO. (410) 995-1390
STATE HIGHWAY ADMINISTRATION (410) 531-5533
- 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.
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 MAIN.
- THE CONTRACTOR SHALL NOTIFY THE BUREAU OF HIGHWAYS, HOWARD COUNTY, AT (410) 313-2450 AT LEAST FIVE (5) 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 (c) OF THE HOWARD COUNTY CODE.
- PROVIDE 10' HORIZONTAL DISTANCE BETWEEN THE WATER AND SEWER HOUSE CONNECTION.

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE HOWARD COUNTY DESIGN MANUAL AND STANDARDS AND IN DEVELOPING AREAS AND ALSO AS SHOWN ON THE GRADING (F-99-107 & F-96-150)

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

Chief Simmons 9/13/99
U.S. NATURAL RESOURCES CONSERVATION SERVICES DATE

THIS DEVELOPMENT PLAN IS REVIEWED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE SOIL CONSERVATION DISTRICT.

John K. Roberts 9/13/99
HOWARD SOI DATE

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND

MILDENBERG, BOENDER & ASSOC., INC.
Engineers Planners Surveyors

5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042
(410) 897-0296 Fax. (301) 621-5521 Wash. (410) 897-0296 Fax.



engineering	M.P.				
illustration	M.P.				
approval	J.M.				
project	98076	M.P.	3	REVISED LOT LAYOUT AND SHC & WHC	
date	JUNE 99	BY	NO.	REVISION	DATE

**TITLE SHEET
WATER AND SEWER
PLAN**

600' SCALE MAP NO. 16 BLOCK NO. 12, 18

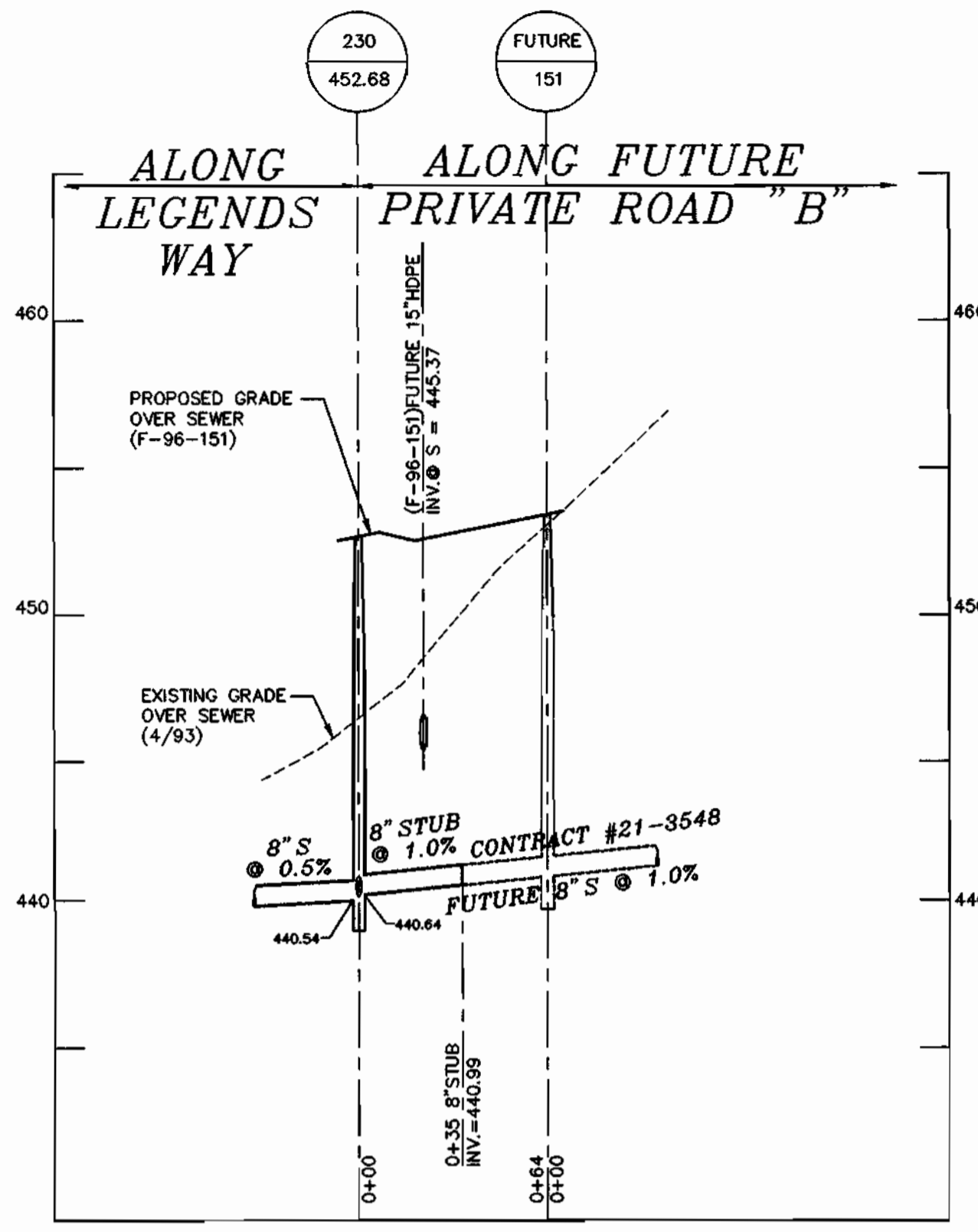
THE LEGENDS AT TURF VALLEY, PHASE ONE
LOTS 60 THRU 91
PGCC DISTRICT, RESIDENTIAL SUBDISTRICT
(PART OF POD D)
CONTRACT 24-3549-D
SECOND ELECTION DISTRICT
HOWARD COUNTY

scale
1"=60'
1 OF 3

OWNER
MANGIONE ENTERPRISES OF TURF VALLEY, L.P.
1205 YORK ROAD, PENTHOUSE
LUTHERVILLE, MARYLAND 21093
(410) 825-8400

SURVEY CONTROL IS BASED ON NAD'27 MARYLAND COORDINATE SYSTEM AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS:
NO. 3440001 N. 534,735.478 ELEV. 486.341
E 836,286.297
NO. 3440002 N. 533,593.800 ELEV. 462.306
E 837,983.249
*NOTE: 23 ADDITIONAL SHC'S ARE PROPOSED FOR FUTURE LOTS 92-114 (F-96-151, W & S PHASE III CONTRACT #24-3548)
NOTES: 1. UNLESS OTHERWISE NOTED ALL PROPOSED SHC ARE 4"
2. UNLESS OTHERWISE NOTED ALL SEWER MANHOLES ARE HOWARD COUNTY STD. G.5.12.

SHEETS 1 & 2 OF THIS CONTRACT 24-3549-D SUPERCEDES THE PLANS PREVIOUSLY APPROVED BY CHIEF, DEVELOPMENT ENGINEERING DIVISION, ON DECEMBER 6, 1996.

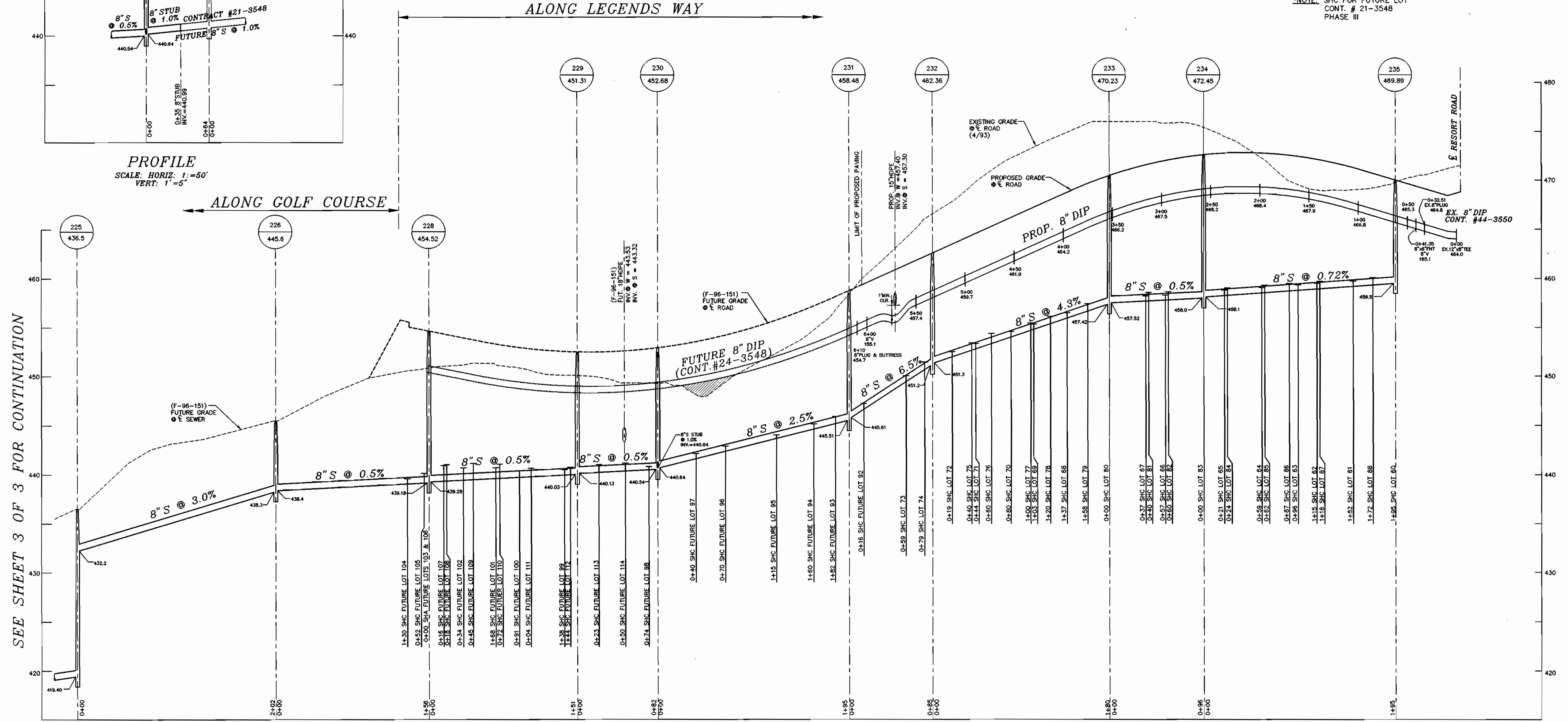


PROFILE
SCALE: HORIZ. 1"=50'
VERT. 1"=5'

LOT	SHC INV. @ R/W	MIN. BSMT.
60	460.20	465.30
61	459.76	464.16
62	459.53	463.93
63	459.36	463.76
64	459.09	463.49
65	458.82	463.12
66	458.32	162.62
67	458.24	462.54
68	456.53	460.83
69	455.37	459.97
70	454.59	458.89
71	453.37	457.67
72	452.53	456.72
73	450.06	454.36
74	451.45	455.75
75	453.43	457.73
76	454.41	458.71
77	455.47	459.77
78	456.15	460.45
79	457.44	461.74
80	459.10	463.70
81	458.57	462.97
82	458.65	463.05
83	459.60	463.90
84	459.04	463.34
85	459.32	463.72

LOT	SHC INV. @ R/W	MIN. BSMT.
86	459.50	463.90
87	459.72	464.12
88	460.11	464.51
92*	447.22	451.42
93*	445.92	449.92
94*	445.17	449.37
95*	444.05	448.35
96*	442.92	447.12
97*	442.17	446.37
98*	440.67	444.97
99*	440.54	444.74
100*	440.41	444.71
101*	440.74	445.04
102*	440.72	445.02
103*	441.40	443.50
104*	439.61	444.04
105*	440.17	444.47
106*	441.60	446.00
107*	440.95	445.95
108*	441.04	445.84
109*	441.18	445.88
110*	441.10	445.90
111*	440.67	445.17
112*	440.77	445.27
113*	441.05	445.55
114*	441.20	445.71

*NOTE: SHC FOR FUTURE LOT CONT. # 21-3548 PHASE III



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

SEE SHEET 3 OF 3 FOR CONTINUATION

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
9/18/99
DATE

DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND
9/18/99
DATE

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

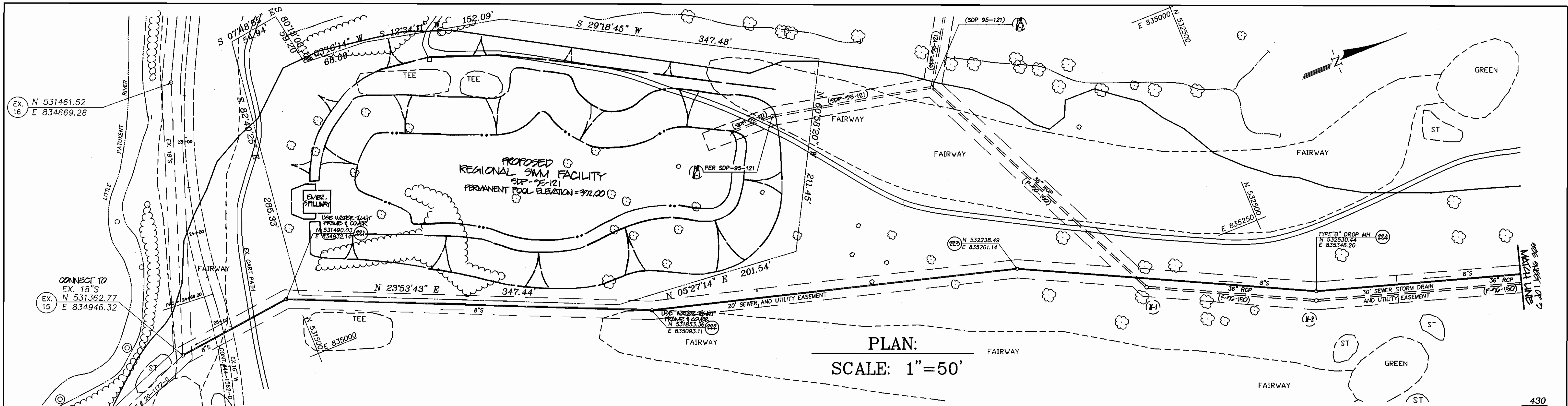


engineering M.P.
illustration M.P.
approval J.M.
project 96076
date JUNE 99
BY NO. REVISION

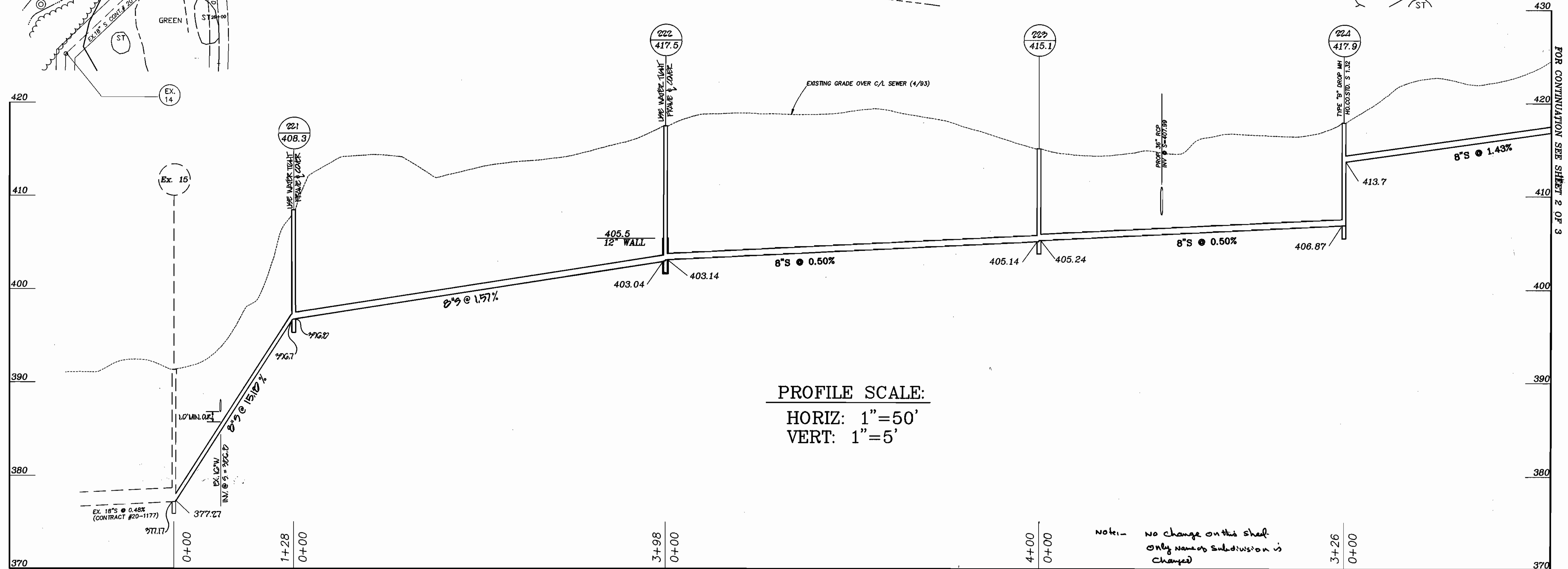
WATER AND SEWER PROFILE
DATE 600' SCALE MAP NO. 16 BLOCK NO. 12,18

THE LEGENDS AT TURF VALLEY, PHASE ONE
LOTS 60 THRU 91
PGCC DISTRICT, RESIDENTIAL SUBDISTRICT
(PART OF POD D)
CONTRACT 24-3549-D
SECOND ELECTION DISTRICT
HOWARD COUNTY

scale
1"=50'
2 OF 3



PLAN:
SCALE: 1"=50'



PROFILE SCALE:
HORIZ: 1"=50'
VERT: 1"=5'

note: no change on this sheet
only name of subdivision is
changed

The Legends at Turf Valley Phase One - Lots 60 Thru 91
Phase I

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
R. J. ...
12-2-96

DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND
...
12/6/96

R.M. MOCHI GROUP, P.C.
3300 N. Ridge Road, Suite 235
Ellicott City, MD 21043-3350
(410) 461-0079
Fax: (410) 750-6340

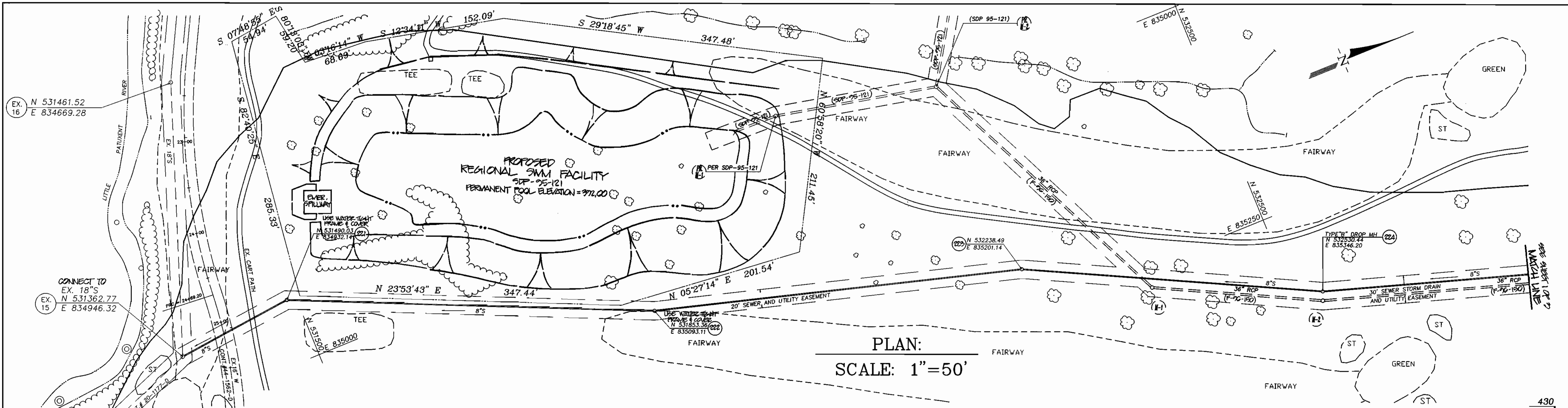


DES:	MWZ			
DRN:	MWZ			
CHK:	RM	MWZ	2	REMOVED PER DRP/DED COMMENTS, SUBMITTED ORIGINALS FOR SIGNATURES
PROJ. #	95016-20	MWZ	1	REMOVED PER DRP/DED COMMENTS
DATE:	5/28/96	MWZ	0	SUBMITTED TO DRP/DED FOR REVIEW
BY:	NO.	REVISION		
DATE:				

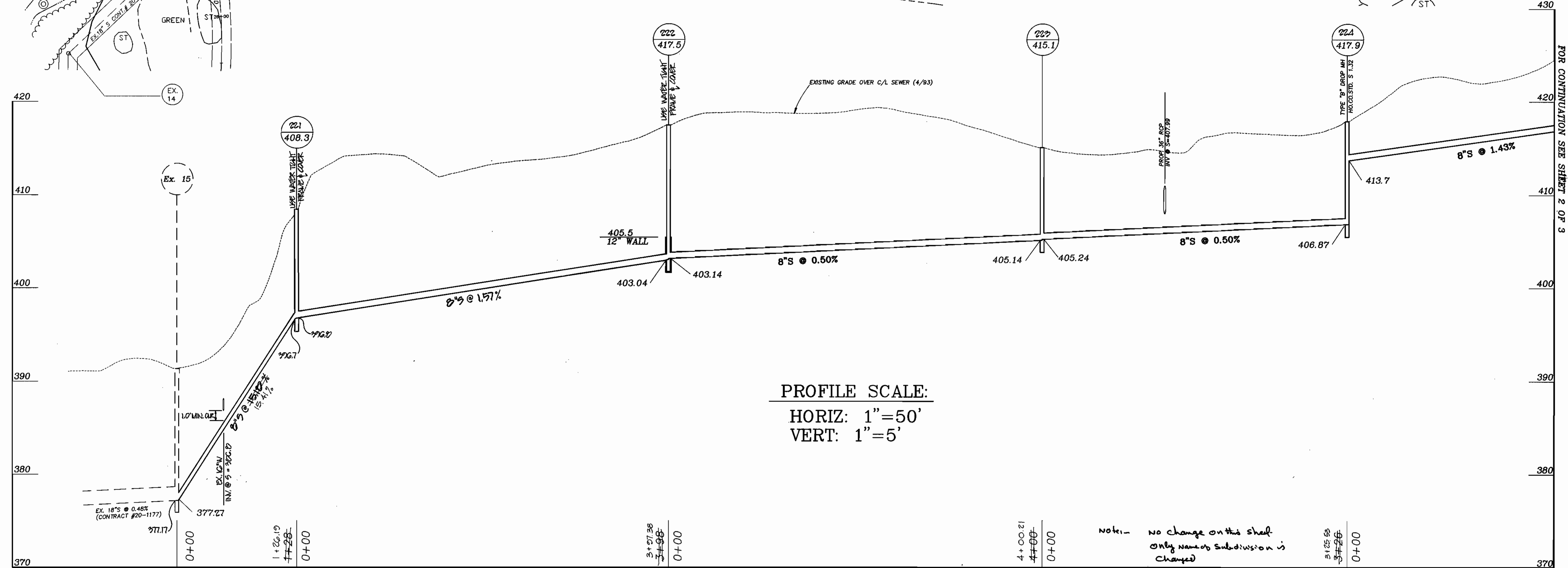
SEWER MAIN
PLAN & PROFILE
600' SCALE MAP NO. 16 BLOCK NO. 1218

TURF VALLEY PDS ~~D~~ & ~~P/O~~ ~~B~~
PGCC DISTRICT, RESIDENTIAL SUBDISTRICT
PHASE I - LOTS 3-18, 28-35 60 thru 91
CONTRACT NO. 24-3549-D
2ND ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
SHEET 3 OF 3



PLAN:
SCALE: 1"=50'



PROFILE SCALE:
HORIZ: 1"=50'
VERT: 1"=5'

Notes: no change on this sheet
only name of subdivision is
changed

A:\95016-00\95016-20\5016WSS3

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
John J. ...
12-2-96
DATE

DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND
...
12/2/96
DATE

R.M. MOCHI GROUP, P.C.
3300 N. Ridge Road, Suite 235 (410) 461-0079
Ellicott City, MD 21043-3350 Fax: (410) 750-6340

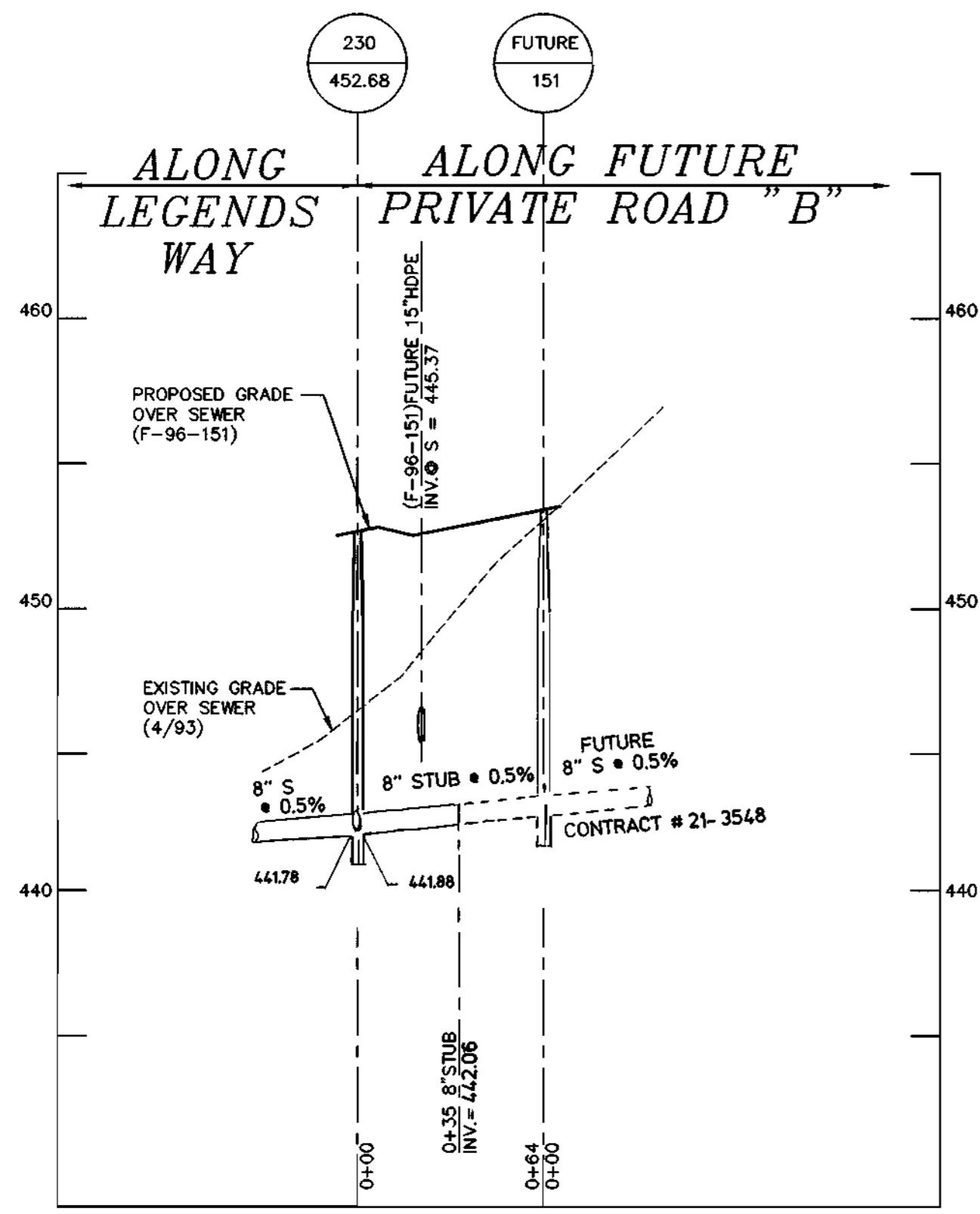


DES:	MWZ			
DRW:	MWZ			
CHK:	PMW	1/2/96		
PROJ. #	95016-20	1/10/96		
DATE:	5/28/96	7/6/96		

SEWER MAIN
PLAN & PROFILE
600' SCALE MAP NO. 16 BLOCK NO. 1218

TURF VALLEY FODS "B" & P/O "E"
PGCC DISTRICT, RESIDENTIAL SUBDISTRICT
PHASE I - LOTS 3, 10, 20-35 607thru 91
CONTRACT NO. 24-3542-D
2ND ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

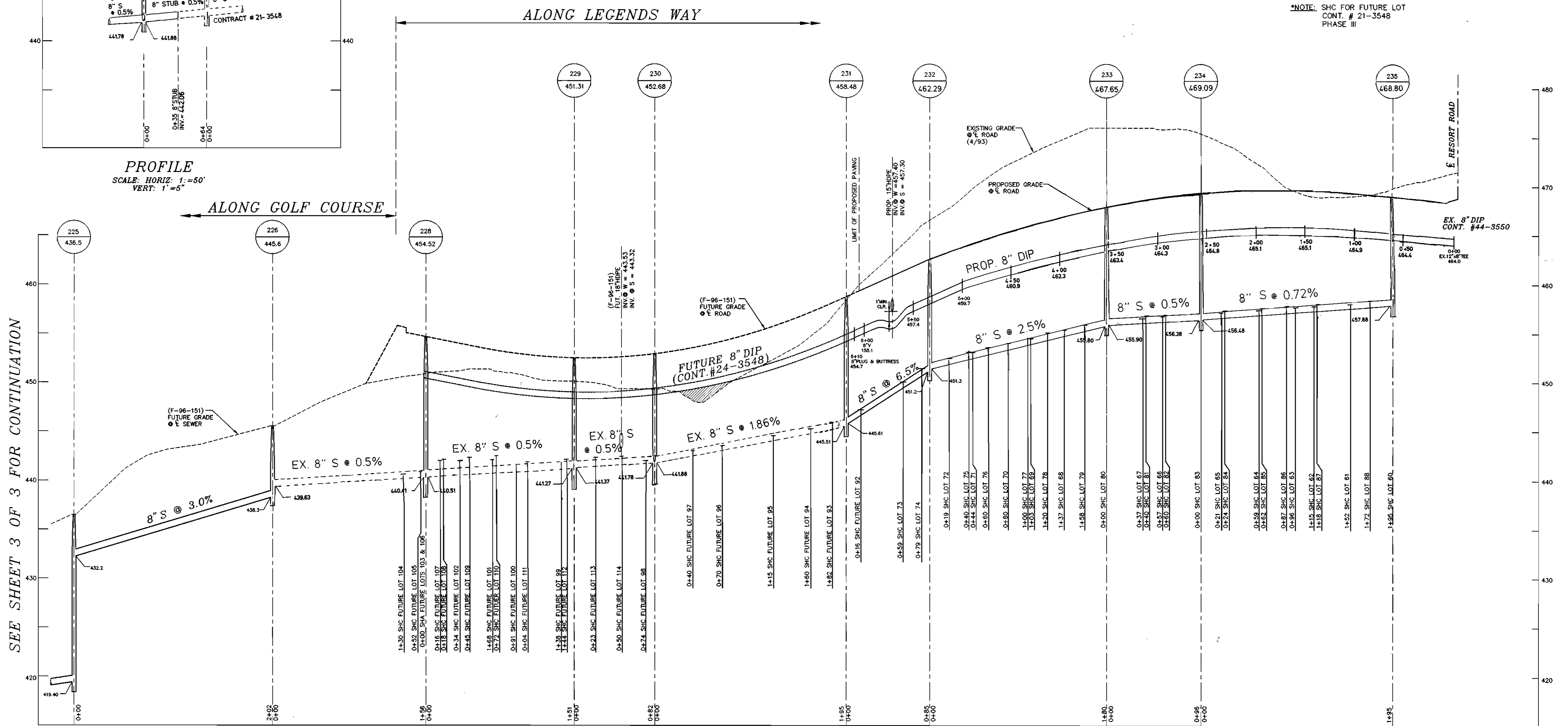
SCALE AS SHOWN
SHEET 4 OF 4



PROFILE
SCALE: HORIZ: 1"=50'
VERT: 1"=5'

LOT	SHC INV. @ R/W	MIN. BSMT.	LOT	SHC INV. @ R/W	MIN. BSMT.
60	458.55	462.85	86	457.88	462.18
61	458.14	462.44	87	458.10	462.40
62	457.88	462.18	88	458.49	462.79
63	457.74	462.04	92*	447.22	451.42
64	457.47	461.77	93*	445.84	450.14
65	457.20	461.50	94*	445.43	449.73
66	456.76	461.06	95*	444.55	448.85
67	456.60	460.90	96*	443.65	447.95
68	455.30	459.60	97*	443.09	447.39
69	454.45	458.75	98*	442.31	446.61
70	453.87	458.17	99*	441.77	446.07
71	452.97	457.27	100*	441.64	445.14
72	452.35	456.65	101*	441.92	446.22
73	450.06	454.36	102*	441.85	446.25
74	451.45	455.75	103*	441.08	445.78
75	453.07	457.37	104*	440.85	445.55
76	453.57	457.87	105*	441.36	445.96
77	454.57	458.87	106*	441.68	446.58
78	455.07	459.37	107*	442.16	447.28
79	455.82	460.12	108*	442.17	447.29
80	456.60	461.20	109*	442.41	447.21
81	456.87	461.27	110*	442.34	447.24
82	456.97	461.37	111*	441.90	446.50
83	457.18	461.58	112*	442.00	446.60
84	457.42	461.72	113*	442.36	446.96
85	457.68	461.98	114*	442.49	447.09

*NOTE: SHC FOR FUTURE LOT CONT. # 21-3548 PHASE III



PROFILE
SCALE: HORIZ: 1"=50'
VERT: 1"=5'

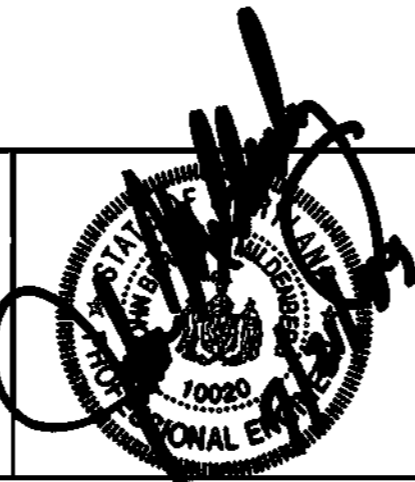
SEE SHEET 3 OF 3 FOR CONTINUATION

98067.DWG (W-S) DWG

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
Robert M. Bennett 8-31-99
CHIEF, BUREAU OF UTILITIES DATE

DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND
Michael J. ... 9/8/99
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

MILDENBERG, BOENDER & ASSOC., INC.
Engineers Planners Surveyors
5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042
(410) 987-0296 Fax (301) 621-5621 Wash. (410) 987-0296 Fax



engineering	M.P.				
illustration	M.P.				
approval	J.M.				
project	98076	MP	3	REVISED SEWER PROFILE FROM MH-226 TO MH 235 AND SHC.	11/19/99
date	JUNE 99	BY	NO.	REVISION	DATE

WATER AND SEWER PROFILE
600' SCALE MAP NO. 16 BLOCK NO. 12,18

THE LEGENDS AT TURF VALLEY, PHASE ONE
LOTS 60 THRU 91
PGCC DISTRICT, RESIDENTIAL SUBDISTRICT
(PART OF POD D)
CONTRACT 24-3549-D
SECOND ELECTION DISTRICT
HOWARD COUNTY

scale
1"=50'
2 OF 3

QUANTITY TABLE

ITEMS	QUANTITIES ESTIMATED	QUANTITIES	TYPE	MANUFACTURER/SUPPLIER
8" W DIP	577 L.F.	573 L.F.	CLASS 52	MC WANE INC. A-1 PIPE
6" W DIP	32 L.F.	32 L.F.	CLASS 52	MC WANE INC. A-1 PIPE
1 1/2" W. DIAPHRAGM	131 L.F.	135 L.F.	TYPE	READING TUBE U.S. FILTER
1" W DIP	350 L.F.	546 L.F.	TYPE	READING TUBE U.S. FILTER
6" VALVE	2 EACH	2 EACH	RES. WEDGE GATE	MUELLER CO. U.S. FILTER
8" VALVE	1 EACH	1 EACH	RES. WEDGE GATE	MUELLER CO. U.S. FILTER
8" PLUG	1 EACH	0		
FIRE HYDRANT	2 EACH	2 EACH	A 423 CENTURION	MUELLER CO. U.S. FILTER
8" S (PVC)	3030 L.F.	2080 L.F.	SDR 35	GAINES U.M. MFG. EXTRUSION TECH. U.S. FILTER
4" HC (PVC)	1439 L.F.	1041 L.F.	SDR 35	
4" MANHOLE	14 EACH	14 EACH	PRECAST C-478	FREDERICK PRECAST INC.

SURVEY AND DRAFTING DIVISION AS-BUILT DATE
 NAME OF UTILITY CONTRACTOR: J.F.C. & S.M.H. 2/1/2000
 GAINES & CO. REMAINDER OF CONTRACT

INDEX OF DRAWINGS

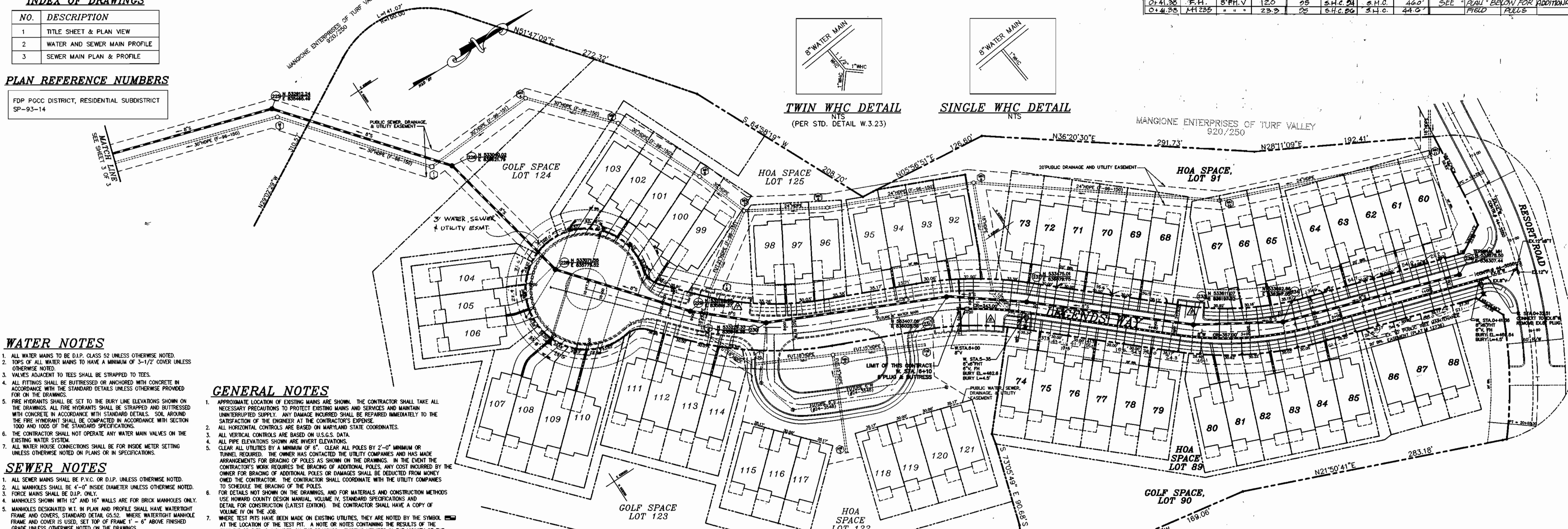
NO.	DESCRIPTION
1	TITLE SHEET & PLAN VIEW
2	WATER AND SEWER MAIN PROFILE
3	SEWER MAIN PLAN & PROFILE

PLAN REFERENCE NUMBERS

FDP PGCC DISTRICT, RESIDENTIAL SUBDISTRICT
 SP-93-14

WATER AND SEWER MAIN EXTENSIONS
THE LEGENDS AT
TURF VALLEY
 PGCC DISTRICT, RESIDENTIAL SUBDISTRICT
 PHASE I - LOTS 60-91
 2nd ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 CONTRACT NO. 24-3549-D

WATER ASBUILT POLLS				SEWER ASBUILT POLLS				SEWER ASBUILT POLLS			
LOT #	FROM	TO	DIST.	LOT #	FROM	TO	DIST.	LOT #	FROM	TO	DIST.
60	MH 235	WATER MAIN	23.0	60	FH (414)	S.H.C.	62.2	96	MH 220	S.H.C. 96	72.2
61	"	"	32.8	60	MH 235	S.H.C.	23.0	97	S.H.C. 97	S.H.C. 97	58.9
62	"	"	82.0	61	"	S.H.C.	48.0	97	MH 230	S.H.C. 97	46.0
63	"	"	94.7	61	S.H.C. 100	S.H.C. 100	41.5	98	"	S.H.C. 98	24.4
64	MH 234	"	52.4	62	"	LOT 62	26.2	98	MH 229	S.H.C. 98	76.5
65	"	"	22.7	62	MH 235	"	82.9	99	"	S.H.C. 99	22.0
66	"	"	31.0	63	S.H.C. 62	"	20.5	99	F.H.	S.H.C. 99	20.0
67	"	"	60.8	63	MH 234	"	98.5	100	F.H.	S.H.C. 100	38.0
68	MH 235	"	35.2	64	"	S.H.C.	64.2	100	MH 228	S.H.C. 100	28.0
69	"	"	89.3	64	S.H.C.	S.H.C. 63	35.4	101	MH 228	S.H.C. 101	80.5
70	"	"	84.4	65	MH 234	S.H.C. 65	27.5	101	F.H.	S.H.C. 101	60.2
71	MH 232	"	31.9	66	MH 234	S.H.C.	41.6	102	MH 228	S.H.C. 102	63.8
72	"	"	94.7	67	MH 234	S.H.C.	60.2	102	S.H.C.	S.H.C. 101	82.2
73	"	"	28.5	67	MH 235	S.H.C.	40.9	102	MH 228	S.H.C. 102	46.0
74	8" V.F.H.	"	65.9	67	S.H.C. 68	S.H.C.	76.2	103	S.H.C. 104	S.H.C. 104	60.0
75	MH 232	"	52.5	68	MH 235	S.H.C.	46.7	104	MH 228	S.H.C. 104	30.0
76	"	"	58.7	69	MH 235	S.H.C.	70.9	104	S.H.C. 104	S.H.C. 103	34.0
77	MH 232	"	70.5	69	S.H.C. 68	S.H.C.	35.2	106	MH 228	S.H.C. 105	42.0
78	"	"	74.2	70	MH 235	S.H.C.	82.0	106	MH 228	S.H.C. 105	56.5
79	"	"	34.5	70	F.H. 5-35	S.H.C.	91.2	107	"	S.H.C. 107	73.2
80	"	"	94.3	70	LOT 60	S.H.C.	22.0	108	"	S.H.C. 108	74.2
81	"	"	76.2	71	MH 232	S.H.C.	48.5	109	"	S.H.C. 109	87.2
82	"	"	59.2	71	F.H. 5-35	S.H.C.	65.7	110	"	S.H.C. 110	97.0
83	"	"	57.0	72	MH 232	S.H.C.	22.0	110	F.H. 107	S.H.C. 110	108.0
84	"	"	39.0	73	"	S.H.C.	63.0	111	MH 229	S.H.C. 111	50.2
85	"	"	35.4	73	MH 232	S.H.C.	63.0	111	MH 229	S.H.C. 111	60.0
86	"	"	78.2	74	"	S.H.C.	72.9	112	"	S.H.C. 112	35.0
87	"	"	102.0	74	MH 231	S.H.C.	26.2	112	F.H. 107	S.H.C. 112	51.0
88	"	"	74.0	75	"	S.H.C.	24.8	113	MH 229	S.H.C. 113	40.5
89	"	"	42.5	75	"	S.H.C.	26.3	113	MH 230	S.H.C. 113	66.0
90	"	"	42.5	76	MH 231	S.H.C.	40.0	114	"	S.H.C. 114	46.0
91	"	"	22.2	76	S.H.C. 63	S.H.C.	20.7	114	MH 229	S.H.C. 114	52.8
92	"	"	22.2	77	MH 231	S.H.C.	83.5	"	"	"	"
93	"	"	22.2	78	"	S.H.C.	46.0	SEE	"	"	"
94	"	"	22.2	79	"	S.H.C.	44.0	SEE	"	"	"



WATER NOTES

- ALL WATER MAINS TO BE D.I.P. CLASS 52 UNLESS OTHERWISE NOTED.
- TOPS OF ALL WATER MAINS TO HAVE A MINIMUM OF 3-1/2' COVER UNLESS OTHERWISE NOTED.
- VALVES ADJACENT TO TEES SHALL BE STRAPPED TO TEES.
- ALL FITTINGS SHALL BE BUTTRESSED OR ANCHORED WITH CONCRETE IN ACCORDANCE WITH THE STANDARD DETAILS UNLESS OTHERWISE PROVIDED FOR ON THE DRAWINGS.
- 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.
- THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING WATER SYSTEM.
- ALL WATER HOUSE CONNECTIONS SHALL BE FOR INSIDE METER SETTING UNLESS OTHERWISE NOTED ON PLANS OR IN SPECIFICATIONS.

SEWER NOTES

- ALL SEWER MAINS SHALL BE P.V.C. OR D.I.P. UNLESS OTHERWISE NOTED.
- ALL MANHOLES SHALL BE 4'-0" INSIDE DIAMETER UNLESS OTHERWISE NOTED.
- FORCE MAINS SHALL BE D.I.P. ONLY.
- MANHOLES SHOWN WITH 12" AND 16" WALLS ARE FOR BRICK MANHOLES ONLY.
- MANHOLES DESIGNATED W.T. IN PLAN AND PROFILE SHALL HAVE WATER TIGHT FRAME AND COVERS, STANDARD DETAIL 65.52. WHERE WATER TIGHT MANHOLE FRAME AND COVER IS USED, SET TOP OF FRAME 1" - 6" ABOVE FINISHED GRADE UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- HOUSE(S) WITH THE SYMBOL "C.N.S." INDICATES THAT CELLAR CANNOT BE SERVED. F-96-150 & F-98-107.

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. DATA.
- ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
- 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.
- 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.
- 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 BUD SHALL BE LOCATED BY THE CONTRACTOR TWO WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS AT HIS OWN EXPENSE.
- CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITY COMPANIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:
 AT & T (410) 865-3803
 BG & E CO. CONTRACTOR SERVICES (410) 850-4620
 BC & E CO. UNDERGROUND DAMAGE CONTROL (410) 787-9068
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS (410) 313-4900
 BUREAU OF UTILITIES (DPW) (410) 313-4900
 MISS UTILITY (410) 257-7777
 COLONIAL PIPELINE CO. (410) 755-1300
 STATE HIGHWAY ADMINISTRATION (410) 531-5533
- 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. 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 MAIN.
- THE CONTRACTOR SHALL NOTIFY THE BUREAU OF HIGHWAYS, HOWARD COUNTY, AT (410) 313-2450 AT LEAST FIVE (5) 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 (c) OF THE HOWARD COUNTY CODE.
- PROVIDE 10' HORIZONTAL DISTANCE BETWEEN THE WATER AND SEWER HOUSE CONNECTION.

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE HOWARD COUNTY DESIGN MANUAL AND STANDARDS AND IN DEVELOPING AREAS AND ALSO AS SHOWN ON THE GRADING (F-99-1014 F-96-150)

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.
 U.S. NATURAL RESOURCES CONSERVATION SERVICES DATE: *9/13/99*

THIS DEVELOPMENT PLAN IS REVIEWED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE SOIL CONSERVATION DISTRICT.
 DATE: *9/13/99*

SURVEY CONTROL IS BASED ON NAD'27 MARYLAND COORDINATE SYSTEM AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS:
 NO. 3440001 N. 534,735.478 ELEV. 486.341
 E 836,286.297
 NO. 3440002 N. 533,593.800 ELEV. 462.306
 E 837,983.249
 *NOTE: 23 ADDITIONAL SHC'S ARE PROPOSED FOR FUTURE LOTS 92-114 (F-96-151, W & S PHASE III CONTRACT #24-3548)
 NOTES: 1. UNLESS OTHERWISE NOTED ALL PROPOSED SHC ARE 4"
 2. UNLESS OTHERWISE NOTED ALL SEWER MANHOLES ARE HOWARD COUNTY STD. G.5.12.

SHEETS 1 & 2 OF THIS CONTRACT 24-3549-D SUPERCEDES THE PLANS PREVIOUSLY APPROVED BY CHIEF, DEVELOPMENT ENGINEERING DIVISION, ON DECEMBER 6, 1996.

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 Robert M. Bennett 8-31-99
 CHIEF, BUREAU OF UTILITIES DATE

DEPARTMENT OF PLANNING & ZONING
 HOWARD COUNTY, MARYLAND
 Chief, Development Engineering Division DATE

MILDENBERG, BOENDER & ASSOC., INC.
 Engineers Planners Surveyors
 5072 Dorsey Hill Drive, Suite 202, Ellicott City, Maryland 21042
 (410) 997-0296 (201) 621-5521 Wash. (410) 997-0298 Fax



engineering	M.P.	illustration	M.P.	approval	J.M.	project	98076	date	JUNE 99	BY	NO.	REVISION	DATE

TITLE SHEET
WATER AND SEWER
PLAN
 60' SCALE MAP NO. 16 BLOCK NO. 12, 18

THE LEGENDS AT TURF VALLEY, PHASE ONE
 LOTS 60 THRU 91
 PGCC DISTRICT, RESIDENTIAL SUBDISTRICT
 (PART OF POD D)
 CONTRACT 24-3549-D
 SECOND ELECTION DISTRICT
 HOWARD COUNTY
 scale 1"=50'
 1 of 4

QUANTITY TABLE

ITEMS	QUANTITIES ESTIMATED	QUANTITIES	TYPE	MANUFACTURER/SUPPLIER
8" W DIP	577 L.F.			
6" W DIP	32 L.F.			
1 1/2" W DIP	131 L.F.			
1" W DIP	350 L.F.			
6" VALVE	2 EACH			
8" VALVE	1 EACH			
8" PLUG	1 EACH			
FIRE HYDRANT	2 EACH			
8" S (PVC)	3030 L.F.			
4" HC (PVC)	1439 L.F.			
4" MANHOLE	14 EACH			
SURVEY AND DRAFTING DIVISION AS-BUILT DATE				
NAME OF UTILITY CONTRACTOR:				

INDEX OF DRAWINGS

NO.	DESCRIPTION
1	TITLE SHEET & PLAN VIEW
2	WATER AND SEWER MAIN PROFILE
3	SEWER MAIN PLAN & PROFILE

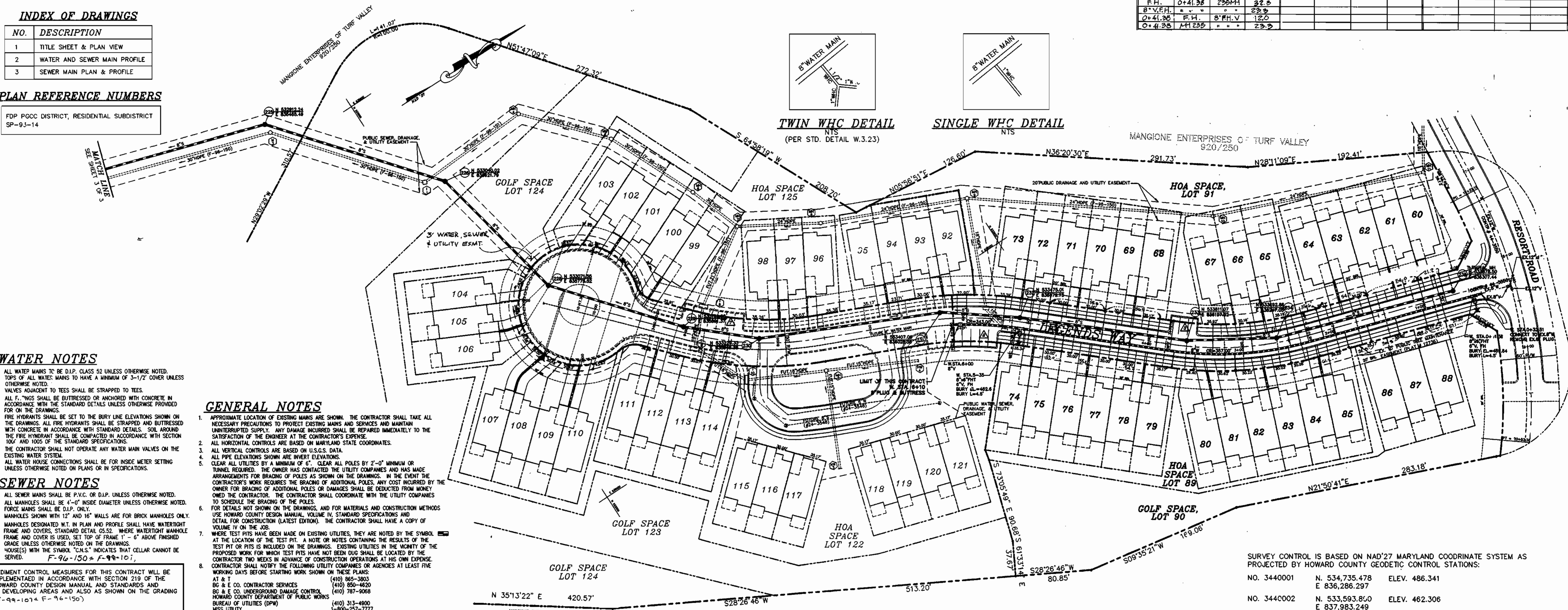
PLAN REFERENCE NUMBERS

FDP PGCC DISTRICT, RESIDENTIAL SUBDISTRICT
SP-9J-14

**WATER AND SEWER MAIN EXTENSIONS
THE LEGENDS AT
TURF VALLEY**

**PGCC DISTRICT, RESIDENTIAL SUBDISTRICT
PHASE I - LOTS 60-91
2nd ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
CONTRACT NO. 24-3549-D**

WATER AS-BUILT PULLS				SEWER AS-BUILT PULLS			
LOT #	FROM	TO	DIST	LOT #	FROM	TO	DIST
60	MH 235	WHTOUMH	23.0	60			
61	"	"	32.8				
62	"	"	82.0				
63	"	"	94.7				
64	MH 234	"	52.4				
65	"	"	22.7				
66	"	"	31.9				
67	"	"	60.8				
68	MH 233	"	35.3				
69	"	"	89.3				
70	"	"	24.4				
71	MH 232	"	31.9				
72	"	"	94.7				
73	"	"	28.2				
74	8" V. 6100	"	65.5				
75	MH 202	"	53.5				
76	"	"	58.7				
77	MH 232	"	79.5				
78	"	"	74.3				
79	"	"	24.5				
80	"	"	94.3				
81	"	"	52.7				
82	"	"	59.9				
83	MH 234	"	57.0				
84	"	"	52.0				
85	"	"	31.0				
86	"	"	52.4				
87	"	"	78.0				
88	"	"	102.0				
89	MH 235	"	74.0				
90	"	"	42.5				
F.H.	0+41.38	235MH	22.5				
8" V.F.H.	"	"	22.5				
0+41.38	F.H.	8" P.H.V	12.0				
0+41.38	MH 235	"	23.5				



WATER NOTES

- ALL WATER MAINS TO BE D.I.P. CLASS 52 UNLESS OTHERWISE NOTED.
- TOPS OF ALL WATER MAINS TO HAVE A MINIMUM OF 3-1/2" COVER UNLESS OTHERWISE NOTED.
- VALVES ADJACENT TO TEES SHALL BE STRAPPED TO TEES.
- ALL F. "NOS SHALL BE BUTTRESSED OR ANCHORED WITH CONCRETE IN ACCORDANCE WITH THE STANDARD DETAILS UNLESS OTHERWISE PROVIDED FOR ON THE DRAWINGS.
- 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 1004 AND 1005 OF THE STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING WATER SYSTEM.
- ALL WATER HOUSE CONNECTIONS SHALL BE FOR INSIDE METER SETTING UNLESS OTHERWISE NOTED ON PLANS OR IN SPECIFICATIONS.

SEWER NOTES

- ALL SEWER MAINS SHALL BE P.V.C. OR D.I.P. UNLESS OTHERWISE NOTED.
- ALL MANHOLES SHALL BE 4'-0" INSIDE DIAMETER UNLESS OTHERWISE NOTED.
- FORCE MAINS SHALL BE D.I.P. ONLY.
- MANHOLES SHOWN WITH 12" AND 18" WALLS ARE FOR BRICK MANHOLES ONLY.
- MANHOLES DESIGNATED W.T. IN PLAN AND PROFILE SHALL HAVE WATERTIGHT FRAME AND COVERS, STANDARD DETAIL G.5.52. WHERE WATERTIGHT MANHOLE FRAME AND COVER IS USED, SET TOP OF FRAME 1' - 6" ABOVE FINISHED GRADE UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- HOUSES WITH THE SYMBOL "C.S." INDICATES THAT CELLAR CANNOT BE SERVED. F-96-150 + F-99-101.

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. DATA.
- ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
- 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. CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITY COMPANIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:
AT & T CO. CONTRACTOR SERVICES (410) 865-3003
BG & E CO. CONTRACTOR SERVICES (410) 850-4620
BG & E CO. UNDERGROUND DAMAGE CONTROL (410) 787-9088
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS (410) 313-4900
BUREAU OF UTILITIES (DPW) (410) 313-4900
MISS. UTILITY (800) 257-7777
COLONIAL PIPELINE CO. (410) 945-1360
STATE HIGHWAY ADMINISTRATION (410) 531-5533
- 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.
- 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 MAIN.
- THE CONTRACTOR SHALL NOTIFY THE BUREAU OF HIGHWAYS, HOWARD COUNTY, AT (410) 313-2450 AT LEAST FIVE (5) WORKING DAYS BEFORE ANY OPEN CUT OF ANY COUNTY ROAD OR BORING/WORKING 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 (c) OF THE HOWARD COUNTY CODE.
- PROVIDE 10' HORIZONTAL DISTANCE BETWEEN THE WATER AND SEWER HOUSE CONNECTION.

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE HOWARD COUNTY DESIGN MANUAL AND STANDARDS AND IN DEVELOPING AREAS AND ALSO AS SHOWN ON THE GRADING (F-99-1014 F-96-150)

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

Cheryl Simmons 9/13/99
U.S. NATURAL RESOURCES CONSERVATION SERVICES

THIS DEVELOPMENT PLAN IS REVIEWED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE SOIL CONSERVATION DISTRICT.
John K. Roberts 9/13/99
HOWARD COUNTY

SURVEY CONTROL IS BASED ON NAD'27 MARYLAND COORDINATE SYSTEM AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS:
NO. 3440001 N. 534,735.478 ELEV. 486.341
E 836,286.297
NO. 3440002 N. 533,593.800 ELEV. 462.306
E 837,983.249
*NOTE: 23 ADDITIONAL SHC'S ARE PROPOSED FOR FUTURE LOTS 92-114 (F-96-151 W & S PHASE III CONTRACT #24-3548)
NOTES: 1. UNLESS OTHERWISE NOTED ALL PROPOSED SHC ARE 4"
2. UNLESS OTHERWISE NOTED ALL SEWER MANHOLES ARE HOWARD COUNTY STD. G.5.12.

SHEETS 1 & 2 OF THIS CONTRACT 24-3549-D SUPERCEDES THE PLANS PREVIOUSLY APPROVED BY CHIEF, DEVELOPMENT ENGINEERING DIVISION, ON DECEMBER 6, 1996.

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
Robert M. Williams 8-31-99
CHIEF, BUREAU OF UTILITIES

DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND
Michael Williams 9/16/99
CHIEF, DEVELOPMENT ENGINEERING DIVISION

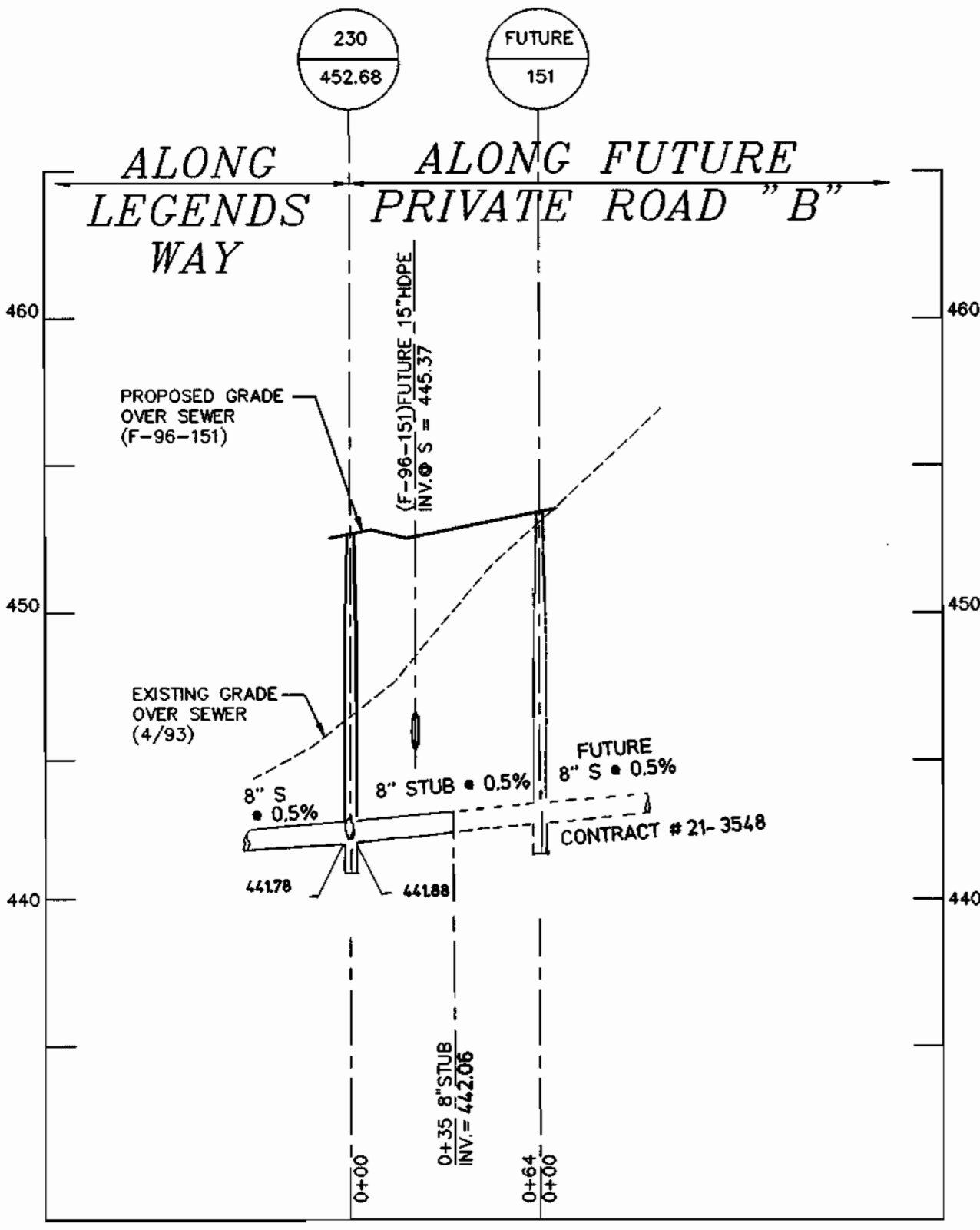
MILDENBERG, BOENDER & ASSOC., INC.
Engineers Planners Surveyors
5072 Dorney Hall Drive, Suite 202, Ellicott City, Maryland 21042
(410) 897-0286 Fax. (301) 621-5521 Wash. (410) 897-0286 Fax.



engineering	M.P.	illustration	M.P.	approval	J.M.	project	98078	date	JUNE 99	BY	NO.	REVISION	DATE

**TITLE SHEET
WATER AND SEWER
PLAN**
600' SCALE MAP NO. 16 BLOCK NO. 12, 18

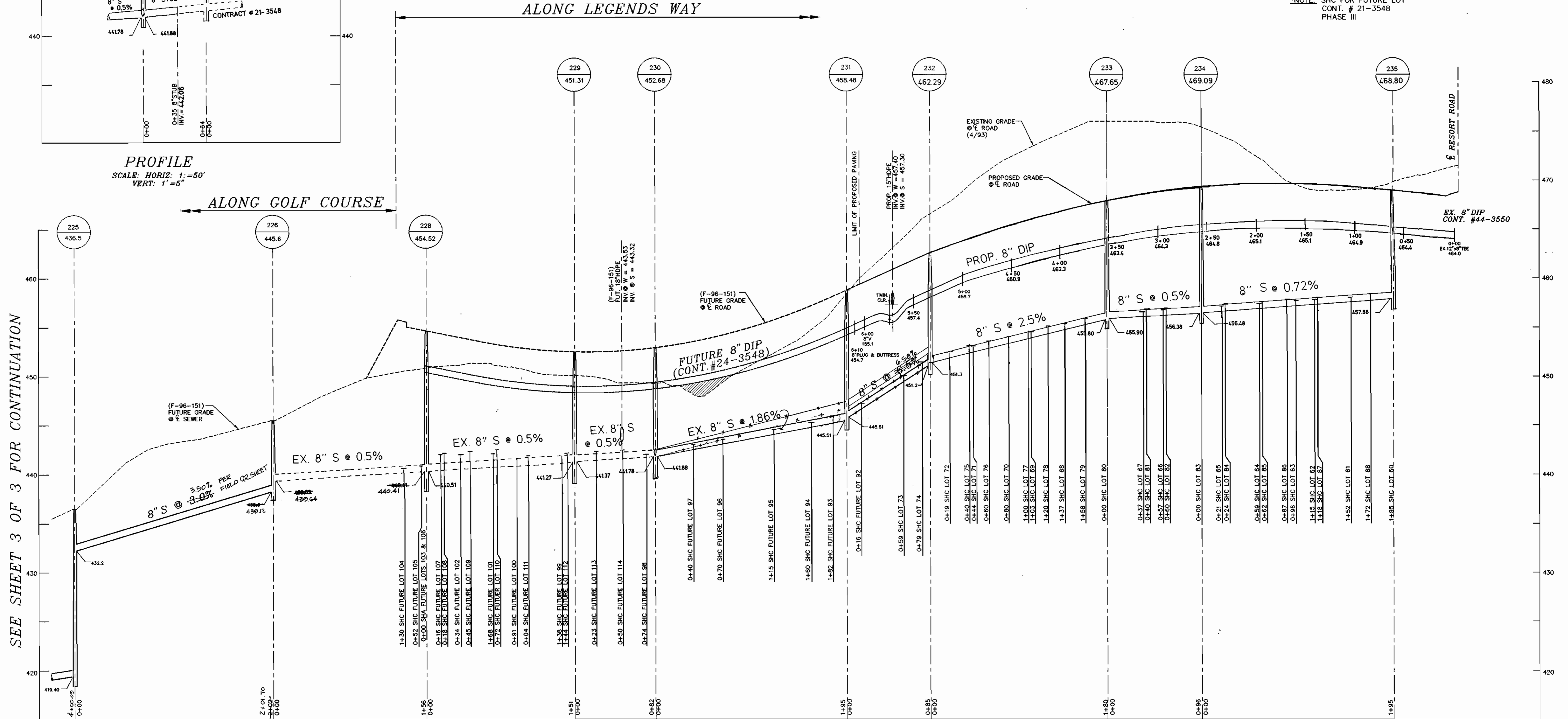
THE LEGENDS AT TURF VALLEY, PHASE ONE
LOTS 60 THRU 91
PGCC DISTRICT, RESIDENTIAL SUBDISTRICT
(PART OF POD D)
CONTRACT 24-3549-D
SECOND ELECTION DISTRICT
HOWARD COUNTY
scale 1"=50'
2 of 4



PROFILE
SCALE: HORIZ: 1"=50'
VERT: 1"=5'

LOT	SHC INV. @ R/W	MIN. BSMT.	LOT	SHC INV. @ R/W	MIN. BSMT.
60	458.55	462.85	86	457.88	462.18
61	458.14	462.44	87	458.10	462.40
62	457.88	462.18	88	458.49	462.79
63	457.74	462.04	92*	447.22	451.42
64	457.47	461.77	93*	445.84	450.14
65	457.20	461.50	94*	445.43	449.73
66	456.76	461.06	95*	444.55	448.85
67	456.60	460.90	96*	443.65	447.95
68	455.30	459.60	97*	443.09	447.39
69	454.45	458.75	98*	442.31	446.61
70	453.87	458.17	99*	441.77	446.07
71	452.87	457.27	100*	441.64	445.14
72	452.35	456.65	101*	441.92	446.22
73	450.06	454.36	102*	441.85	446.25
74	451.45	455.75	103*	441.08	445.78
75	453.07	457.37	104*	440.85	445.55
76	453.57	457.87	105*	441.36	445.96
77	454.57	458.87	106*	441.68	446.58
78	455.07	459.37	107*	442.16	447.28
79	455.82	460.12	108*	442.17	447.29
80	456.60	461.20	109*	442.41	447.21
81	456.87	461.27	110*	442.34	447.24
82	456.97	461.37	111*	441.90	446.50
83	457.18	461.58	112*	442.00	446.60
84	457.42	461.72	113*	442.36	446.96
85	457.68	461.98	114*	442.49	447.09

*NOTE: SHC FOR FUTURE LOT CONT. # 21-3548 PHASE III



PROFILE
SCALE: HORIZ: 1"=50'
VERT: 1"=5'

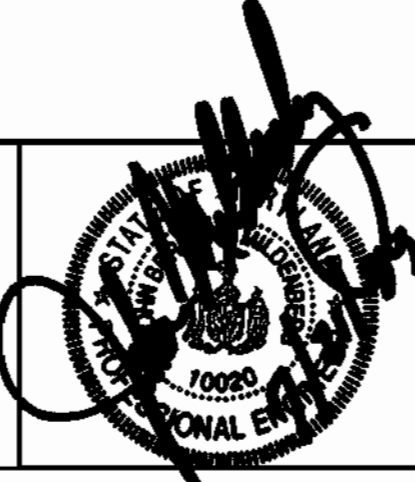
SEE SHEET 3 OF 3 FOR CONTINUATION

98067.DWG (W-S).DWG

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
Robert R. ...
CHIEF, BUREAU OF UTILITIES
DATE: 8-31-99

DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND
...
CHIEF, DEVELOPMENT ENGINEERING DIVISION
DATE: 9/8/99

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



engineering	M.P.				
illustration	M.P.				
approval	J.M.				
project	KCI	4	ASBESTOS CONDITIONS ADDED TO PLAN	7/24/00	
MP	3		REVISED SEWER PROFILE FROM MH-226 TO MH 235 AND SHC.	11-19-99	
date	JUNE 99	BY NO.	REVISION	DATE	600' SCALE MAP NO. 16 BLOCK NO. 12,18

WATER AND SEWER PROFILE

THE LEGENDS AT TURF VALLEY, PHASE ONE
LOTS 60 THRU 91
PGCC DISTRICT, RESIDENTIAL SUBDISTRICT
(PART OF POD D)
CONTRACT 24-3549-D
SECOND ELECTION DISTRICT
HOWARD COUNTY

scale
1"=50'
3 OF 4