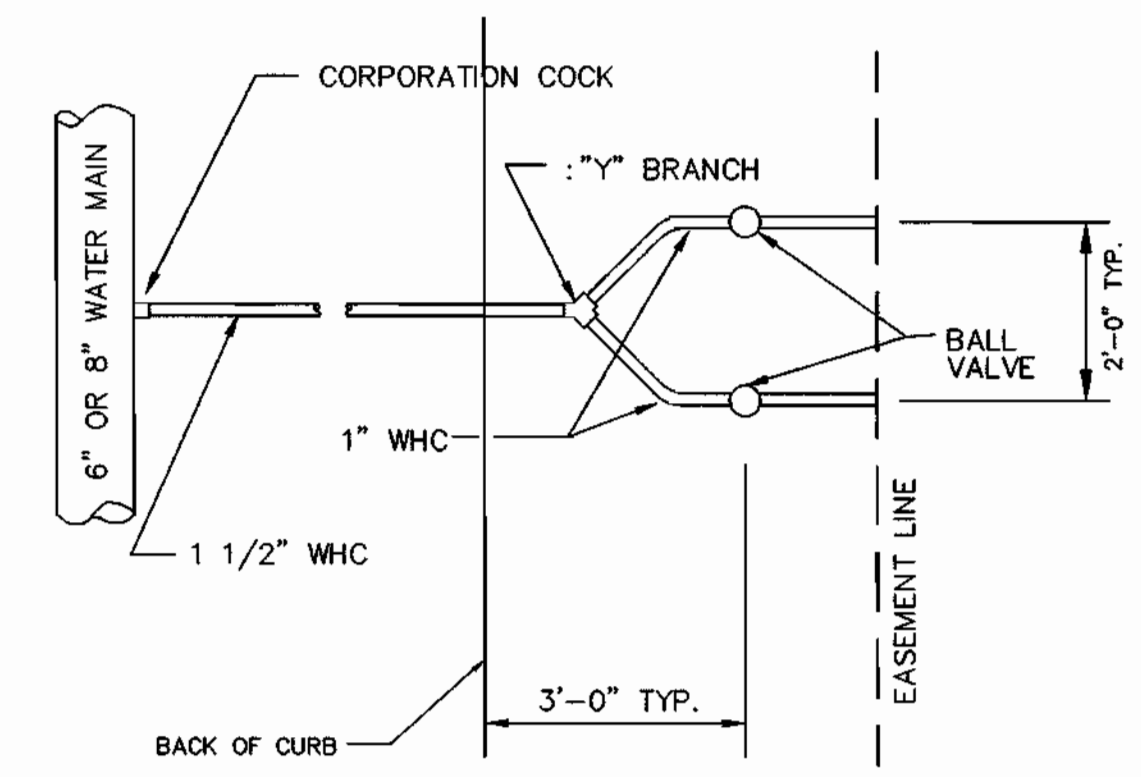
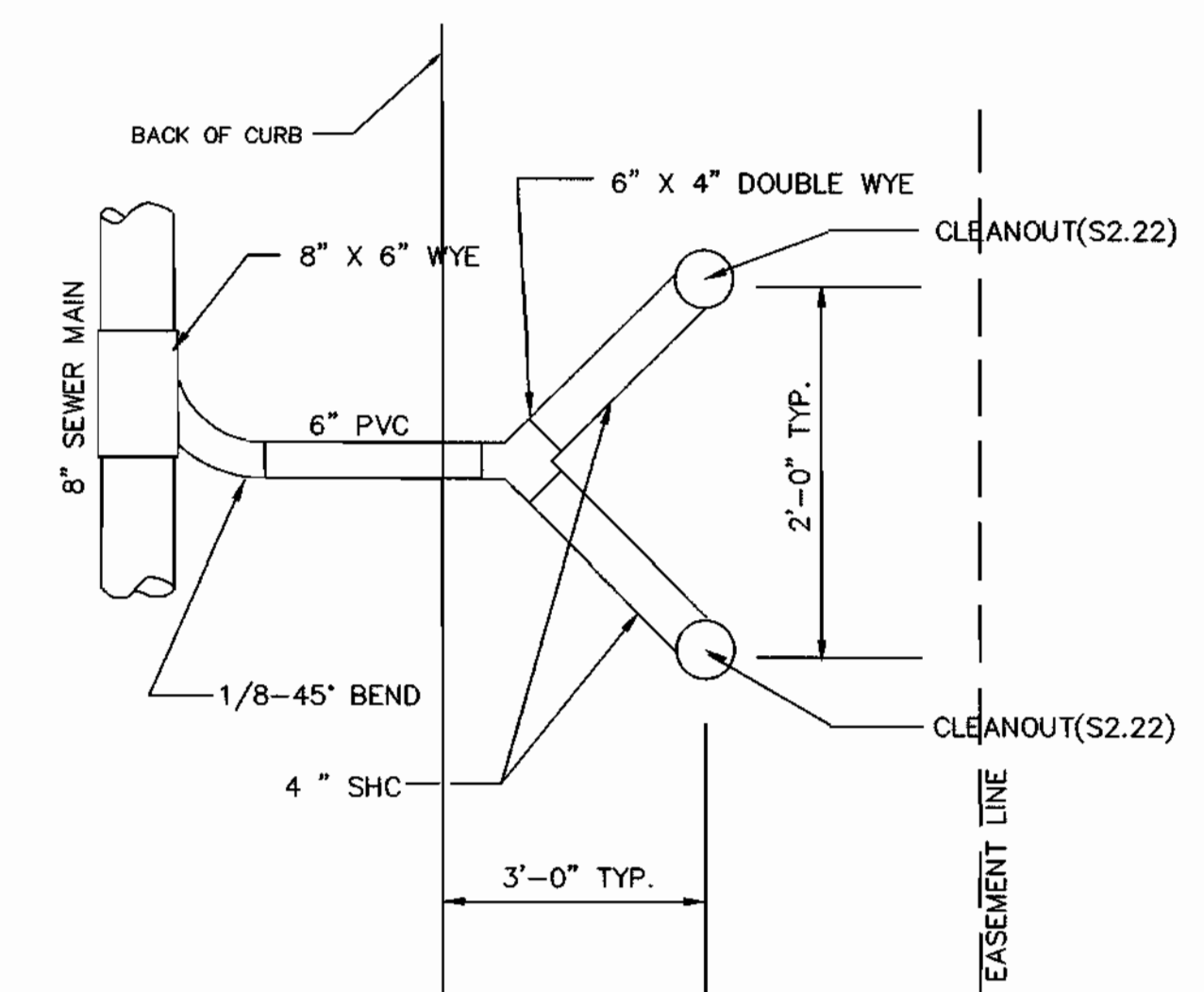


MANHOLE LOCATION CHART			
MH #	ROAD	CL STATION	OFFSET
26	BLUFF POINT LANE	8+03.08	5' RT.
27	BLUFF POINT LANE	3+70	5' RT.
28	BLUFF POINT LANE	6+69.45	10.94' RT.
29	BLUFF POINT LANE	9+33.08	5' RT.
30	BLUFF POINT LANE	10+53.08	5' RT.
31	JUBILEE CIRCLE	14+21.42	5' RT.
32	MULBERRY GROVE DRIVE	0+64.48	5' RT.
33	BLUFF POINT LANE	5+15.23	18.08' RT.
34	BLUFF POINT LANE	1+25	5' RT.
45	COVE POINT WAY	6+46.13	5' LT.

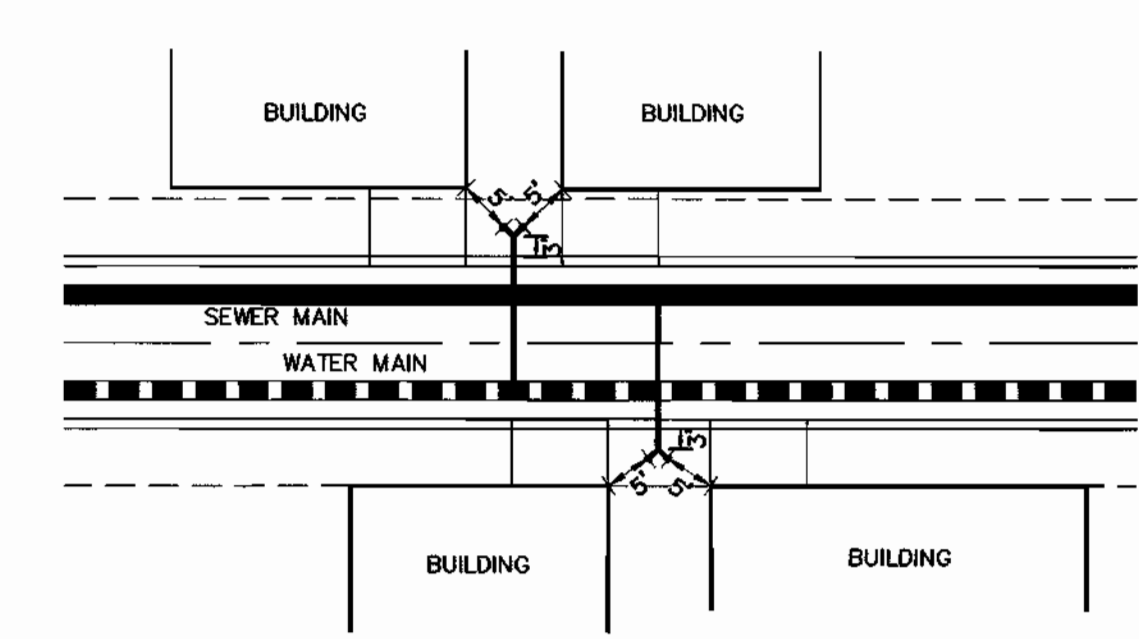
WATER MAIN TABULATION CHART		
COVE POINT WAY		
WATER STA.	APPURTENANCE	OFFSET
3+75	8" C&B	5' RT.
5+06.13	8"x8" T	5' RT.
6+20	8"x6" FHT	5' RT.
6+20	6" V	7' RT.
6+20	F.H.	16.22' RT.
6+33.13	8" V	5' RT.
6+36.13	8"x8" T	5' RT.
BLUFF POINT WAY		
WATER STA.	APPURTENANCE	OFFSET
0+08	8" V	5' LT.
3+95	8"x6" FHT	5' LT.
3+95	6" V	7' LT.
3+95	F.H.	12.10' LT.
3+98	8" V	5' LT.
5+16.56	8"x8" T W/CAP	7.26' RT.
6+00.99	1 1/2" DRAIN	21.20' LT.
6+56.52	8"x8" T W/CAP	7.26' RT.
8+13.08	8"x8" T	5' LT.
8+13.08	8" V	2' LT.
9+20.08	8" V	5' LT.
9+23.08	8"x6" T	5' LT.
9+23.08	6" V	2' LT.
10+43.08	8"x6" T	5' LT.
10+43.08	6" V	2' LT.
11+65.08	8" V	5' LT.
WILLOW GLEN WAY		
WATER STA.	APPURTENANCE	OFFSET
2+70	8"x6" R	5' RT.
2+75	8" V	5' RT.
2+80	8"x6" FHT	5' RT.
2+80	6" V	3' RT.
2+80	F.H.	12.10' LT.



TYPICAL DETAIL -
TWIN WATER HOUSE CONNECTION (TWHC)



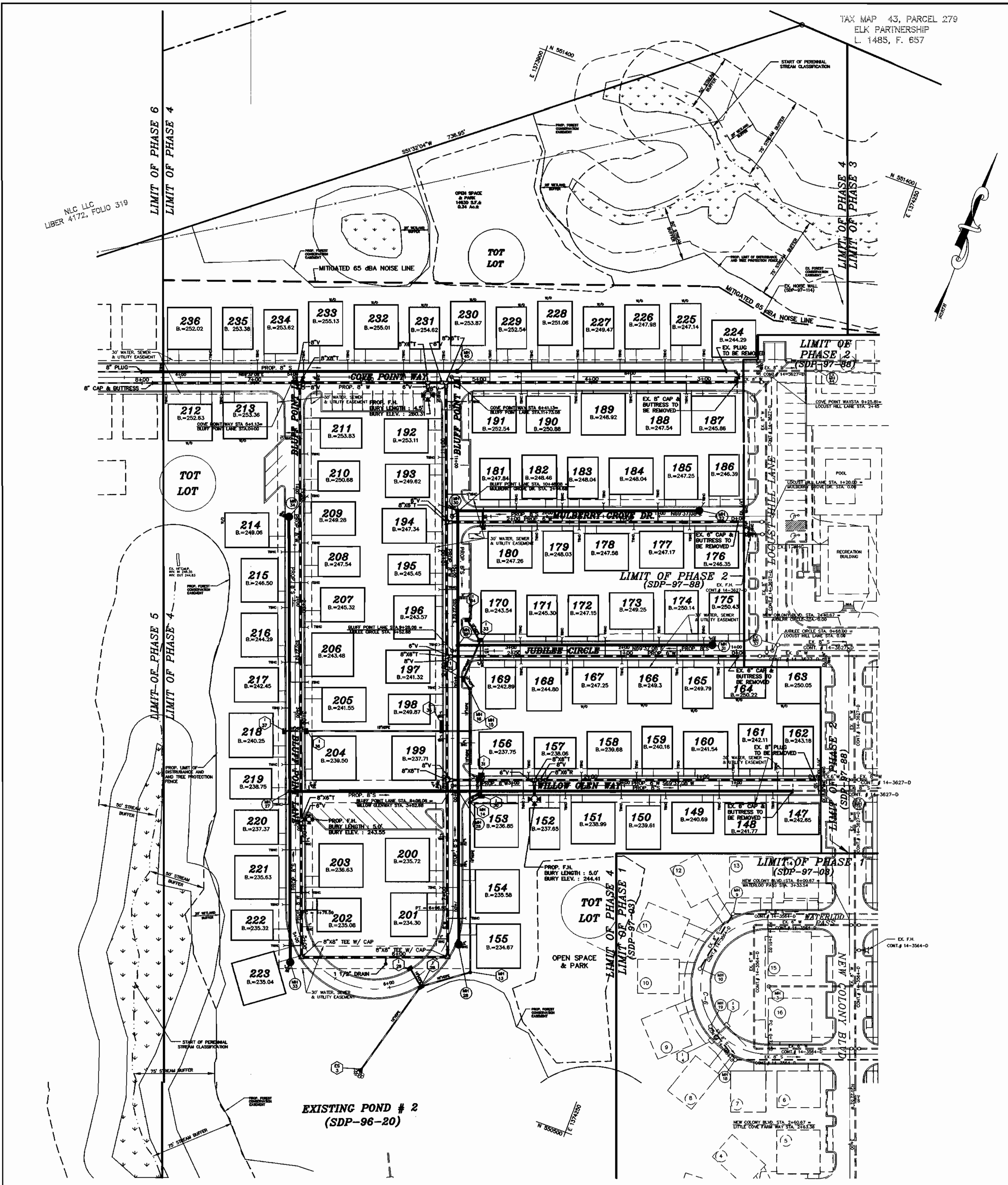
TYPICAL DETAIL -
TWIN SEWER HOUSE CONNECTION (TSHC)



TYPICAL DETAIL -
TWIN WHC & SHC LOCATIONS IN PLAN VIEW
SCALE: 1" = 20'

SEWER HOUSE CONNECTION TABLE				
UNIT #	% SLOPE	INV. @ EASE	SERVICEABLE ELEV.	TYPE OF CONNECTION
147 & 148	2	238.17	241.27	TDHC TYPE 'A'
149 & 150	2	235.77	238.85 & 239.11	TDHC TYPE 'A'
151 & 152	2	233.81	237.07 & 237.15	TDHC TYPE 'A'
153	2	232.99	236.35	DHC TYPE 'A'
154	3	230.99	234.81	SHC
155	2	231.19	234.59	MSHC
156	3	233.02	236.99	SHC
157 & 158	2	234.50	237.56 & 237.68	TDHC TYPE 'A'
159 & 160	2	236.50	239.76 & 239.66	TDHC TYPE 'A'
161 & 162	2	238.35	241.61 & 241.63	TDHC TYPE 'A'
165 & 166	2	245.64	248.80 & 248.80	TDHC TYPE 'A'
167 & 168	3	240.84	243.33 & 244.51	TSHC
169	2	239.29	242.53	SHC
170	2	238.40	242.76	SHC
171 & 172	5	240.56	244.96	TSHC
173 & 174	2	245.49	248.75 & 248.77	TDHC TYPE 'A'
175	2	246.63	249.87	MSHC
176 & 177	2	243.03	246.17	TSHC
178 & 179	4	242.75	246.61 & 246.69	TSHC
180	5	242.37	246.47	SHC
181 & 182	5	242.05	246.45 & 246.80	TSHC
183 & 184	5	242.62	247.02	TSHC
185 & 186	2	242.82	246.10 & 246.12	MTSHC
188 & 189	2	244.05	247.29	TSHC
190 & 191	4	246.41	250.31	TSHC
192	2	249.12	252.50	DHC TYPE 'A'
193 & 194	5	242.15	246.90 & 247.05	MTSHC
195 & 196	2	239.84	243.18 & 243.10	TSHC
197 & 198	2	236.20	239.58 & 239.56	TSHC
199	2	233.93	237.21	DHC TYPE 'A'
200 & 201	2	231.02	234.44 & 234.30	TSHC
202 & 203	2	231.90	235.28 & 235.32	TSHC
204	2	235.72	239.00	DHC TYPE 'A'
205 & 206	4	237.10	241.52 & 241.08	TSHC
207 & 208	2	241.67	245.13 & 245.03	TSHC
209 & 210	2	245.09	248.37 & 248.47	MTSHC
211	5	246.99	251.89	SHC
212 & 213	5	247.33	251.83 & 251.83	TSHC
214	2	244.79	248.25	MSHC
215 & 216	3	240.29	243.78	TSHC
217 & 218	5	235.52	240.02 & 240.22	TSHC
219 & 220	2	233.69	237.05 & 236.97	TDHC TYPE 'A'
221 & 222	2	231.78	235.08 & 235.14	TSHC
223	2	232.17	235.39	MSHC
224 & 225	2	240.85	244.05 & 244.35	TSHC
226 & 227	4	242.67	247.09 & 247.05	TSHC
228 & 229	2	247.10	250.64 & 250.54	TDHC TYPE 'A'
230 & 231	2	249.73	253.27 & 253.17	TDHC TYPE 'A'
232 & 233	2	250.53	254.01 & 254.07	TDHC TYPE 'A'
234 & 235	2	249.34	252.74 & 252.78	TDHC TYPE 'A'
236 & 237	3	246.87	250.75 & 250.87	TSHC

CONTRACT NO.: 14-3772-D
NEW COLONY VILLAGE - PHASE 4
WATER AND SEWER MAIN EXTENSIONS
HOWARD COUNTY, MARYLAND



DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND

Robert W. Beisinger 7-16-99
CHIEF, BUREAU OF UTILITIES

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	MP				
illustration	MP/SJD				
approval	RJH				
project	94044				
date	JULY 1999	BY	NO.	REVISION	DATE

WATER & SEWER PLAN

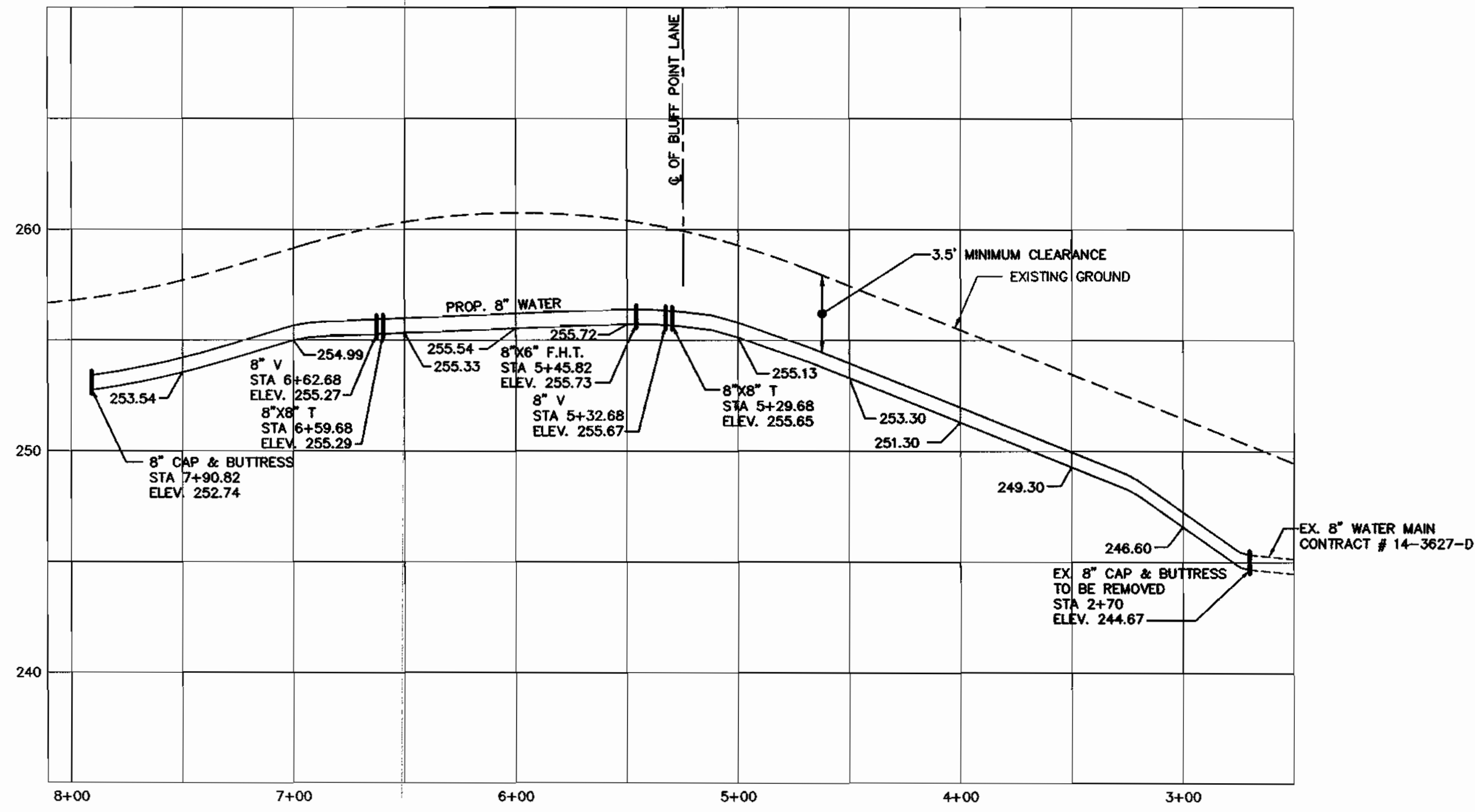
600' SCALE MAP NO. 43 BLOCK NO. 3

NEW COLONY VILLAGE
PHASE 4 - UNITS 147 TO 236

CONTRACT # 14-3772-D
FIRST ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

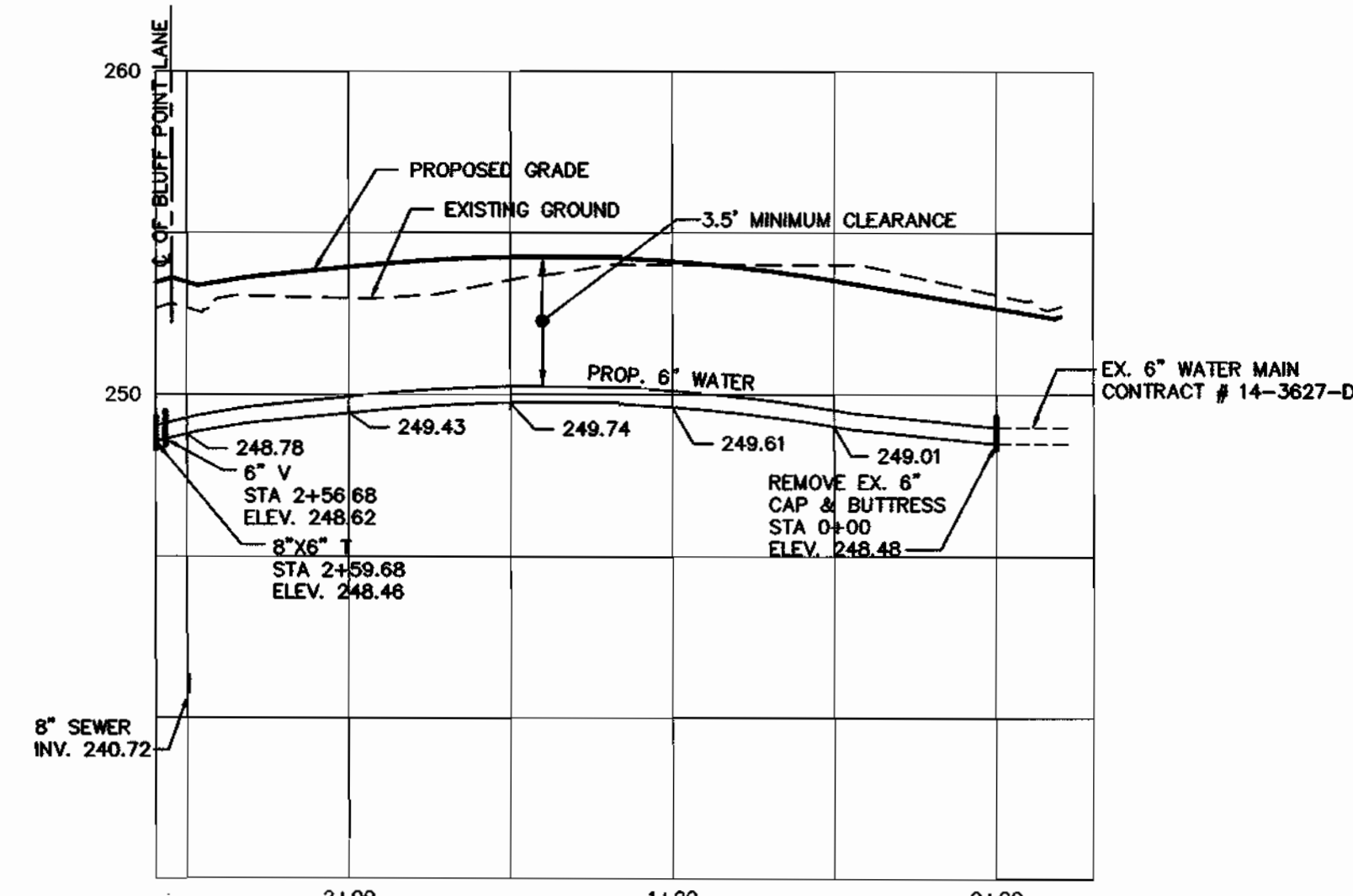
scale
1"=50'

2 OF 4



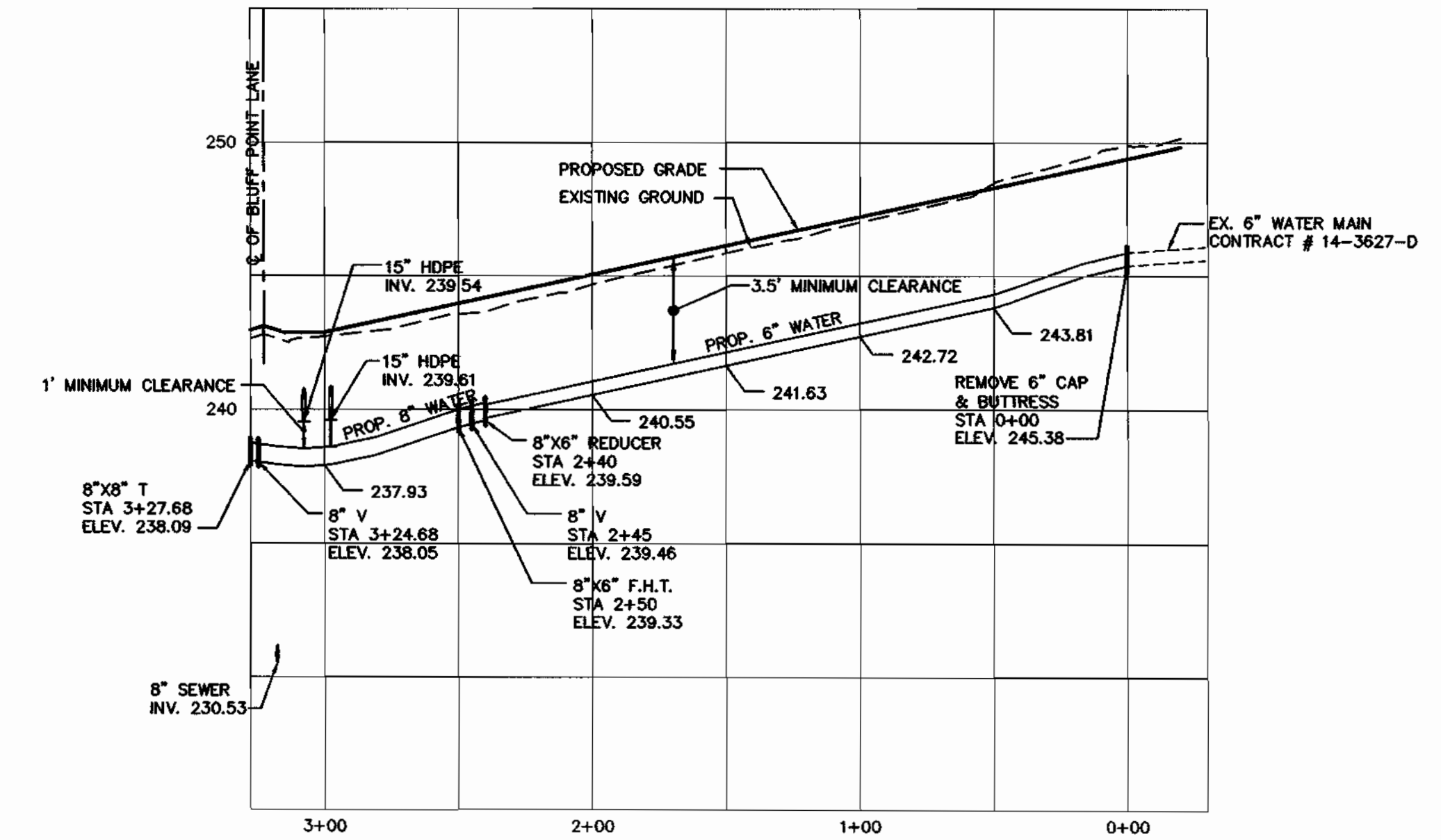
8" WATER PROFILE
COVE POINT WAY

HORIZONTAL SCALE : 1" = 50'
VERTICAL SCALE : 1" = 5'



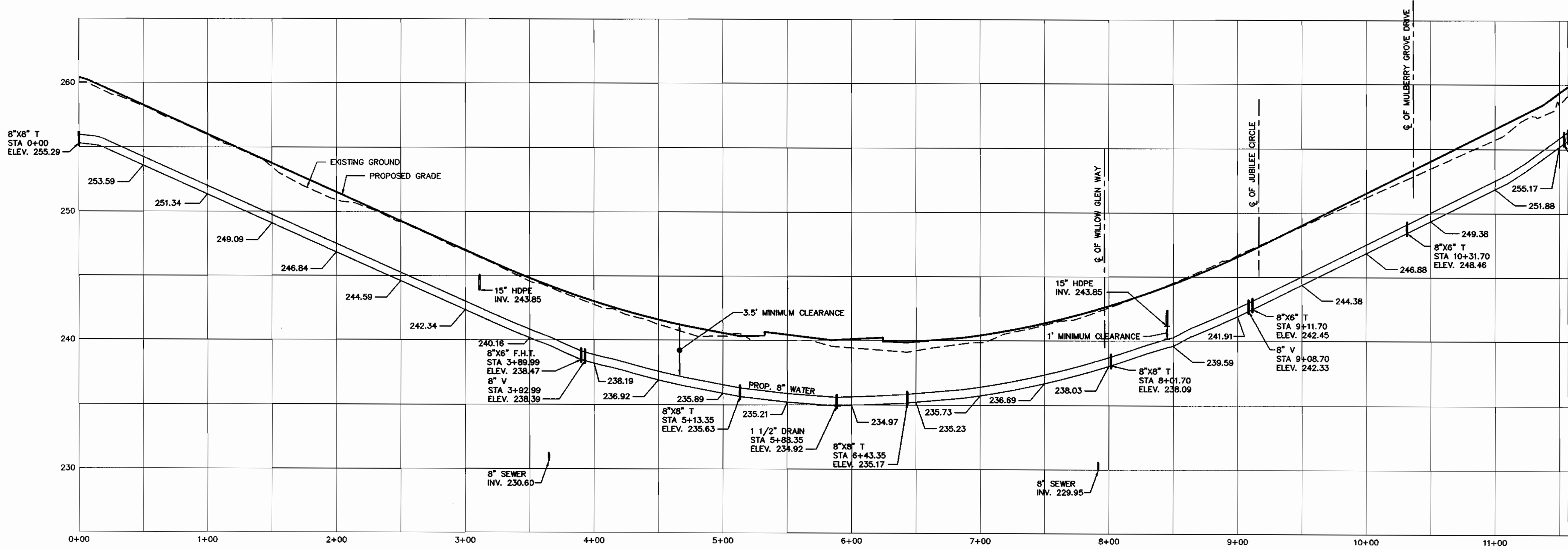
6" WATER PROFILE
MULBERRY GROVE DRIVE

HORIZONTAL SCALE : 1" = 50'
VERTICAL SCALE : 1" = 5'



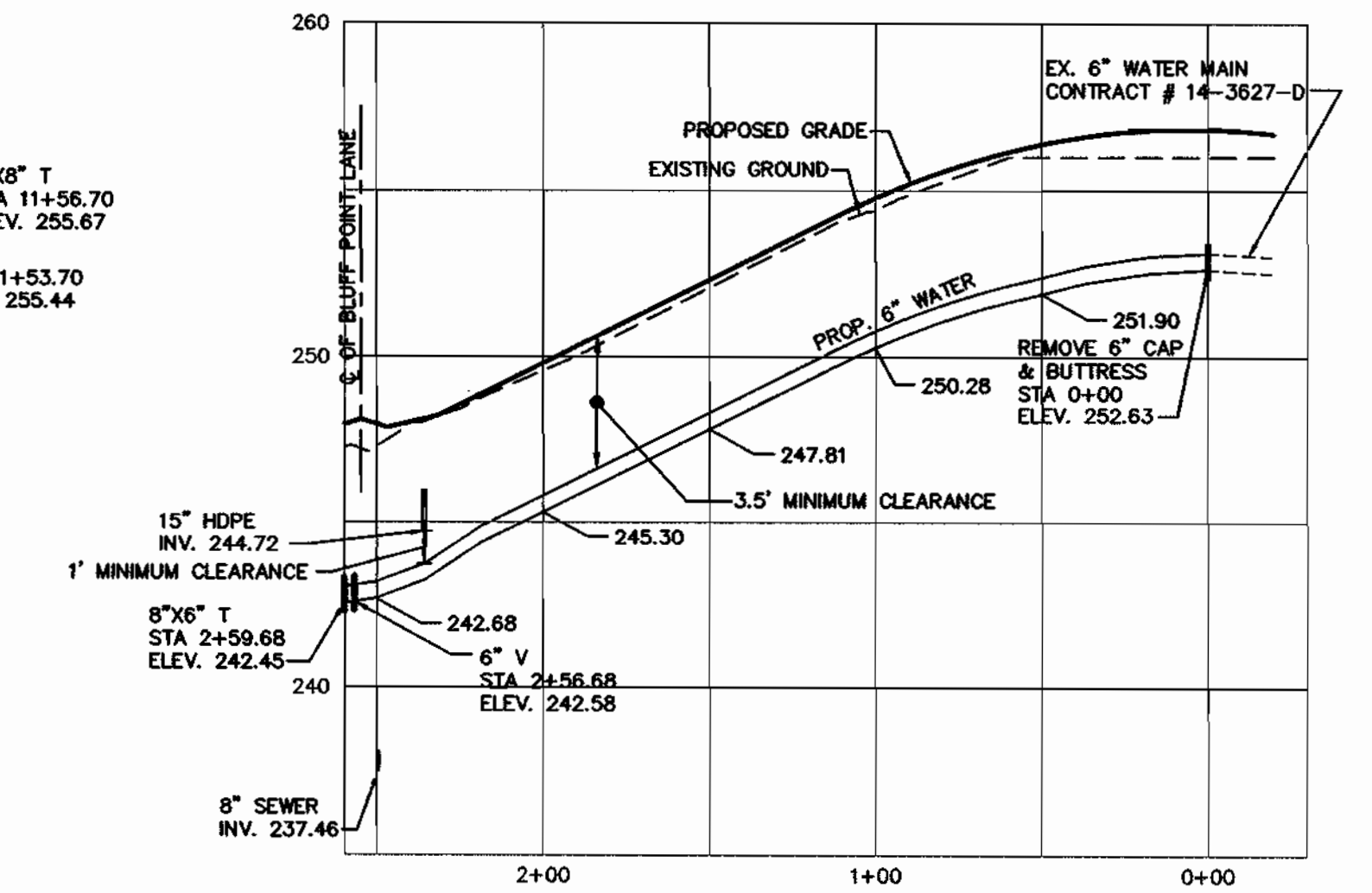
6" & 8" WATER PROFILE
WILLOW GLEN WAY

HORIZONTAL SCALE : 1" = 50'
VERTICAL SCALE : 1" = 5'



8" WATER PROFILE
BLUFF POINT LANE

HORIZONTAL SCALE : 1" = 50'
VERTICAL SCALE : 1" = 5'



6" WATER PROFILE
JUBILEE CIRCLE

HORIZONTAL SCALE : 1" = 50'
VERTICAL SCALE : 1" = 5'

NOTE : THE EXISTING GROUND LINE IS BASED ON THE MASS GRADING PLAN FOR CORRIDOR ONE (SDP-96-20).

CONTRACT NO.: 14-3772-D
NEW COLONY VILLAGE - PHASE 4
WATER AND SEWER MAIN EXTENSIONS
HOWARD COUNTY, MARYLAND

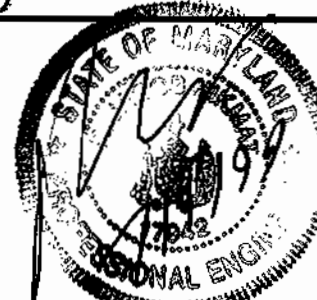
94044.DWG (PHASE 4) W&S - PROF.dwg 6-10-99 9:44:14 am EST

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) 987-0296 Dail (301) 621-5521 Week (410) 987-0298 Fax



engineering	SJD				
illustration	SJD				
approval	RJH				
project	94044				
date	JULY 1999	BY	NO.	REVISION	DATE

WATER PROFILES

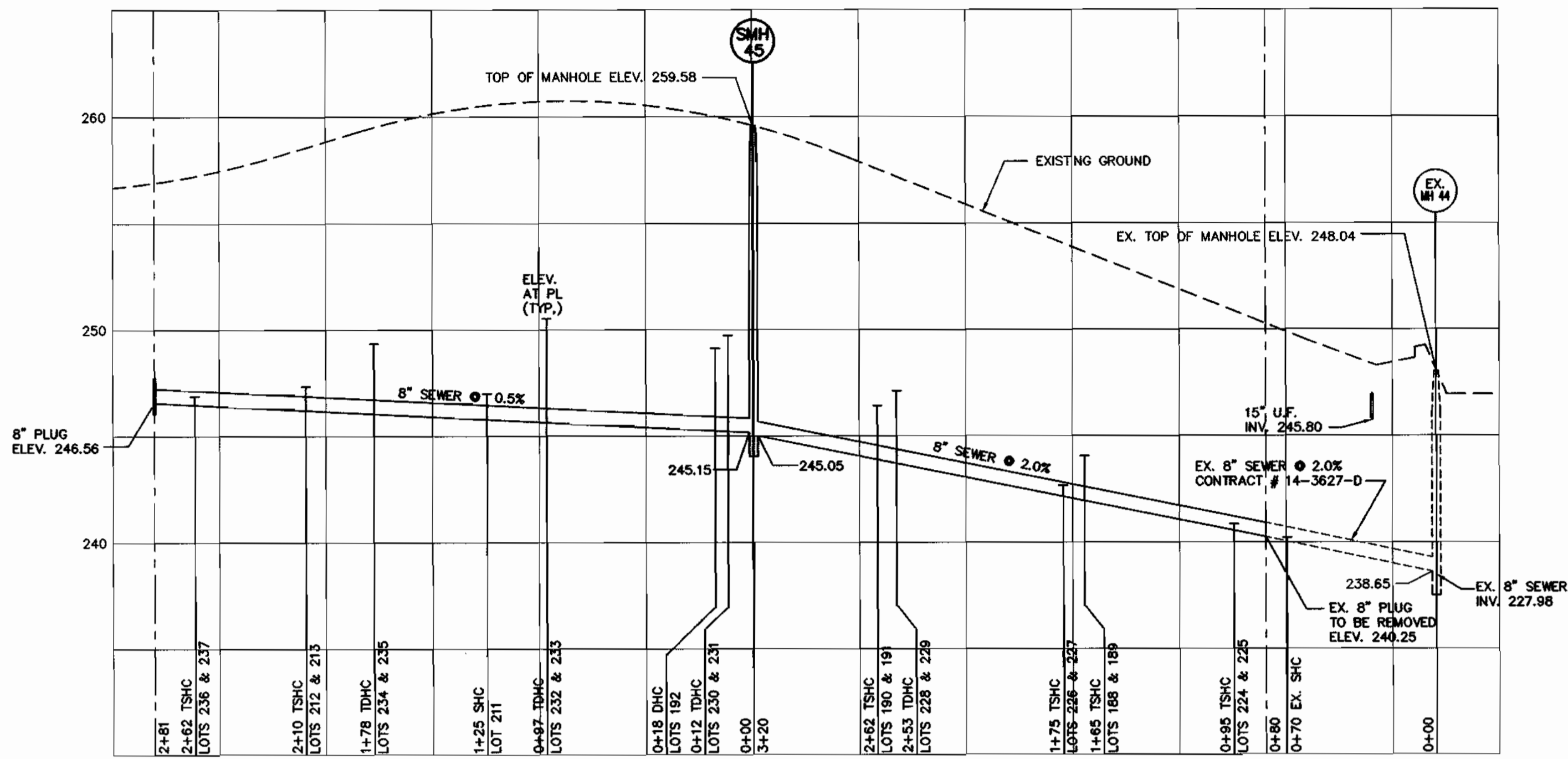
NEW COLONY VILLAGE
PHASE 4 - UNITS 147 TO 236
CONTRACT # 14-3772-D
FIRST ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

scale
AS SHOWN
3 OF 4

Robert J. Henderson 7-16-99
CHIEF, BUREAU OF UTILITIES DATE

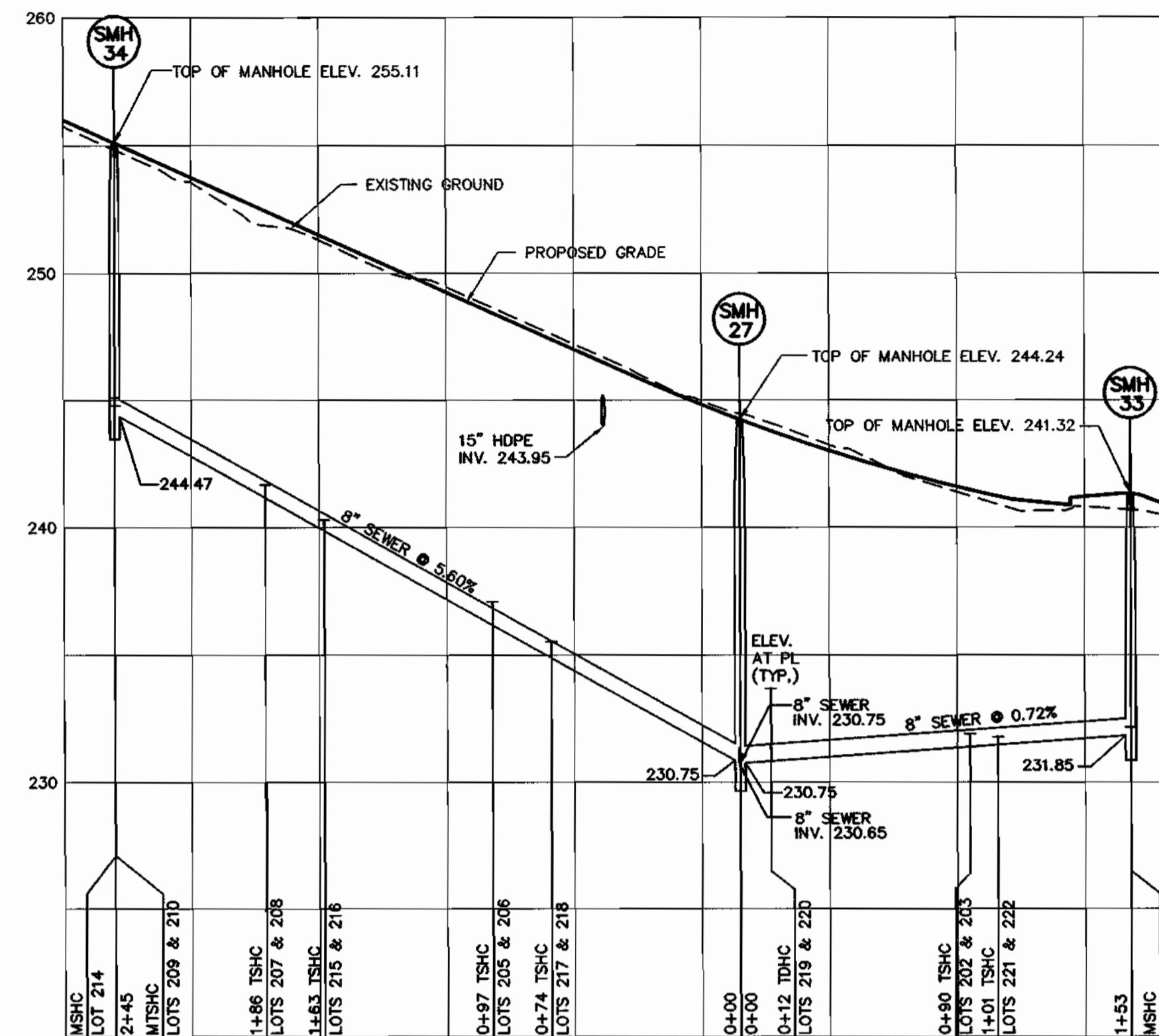
Robert J. Henderson 7/20/99
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

600' SCALE MAP NO. 43 BLOCK NO. 3



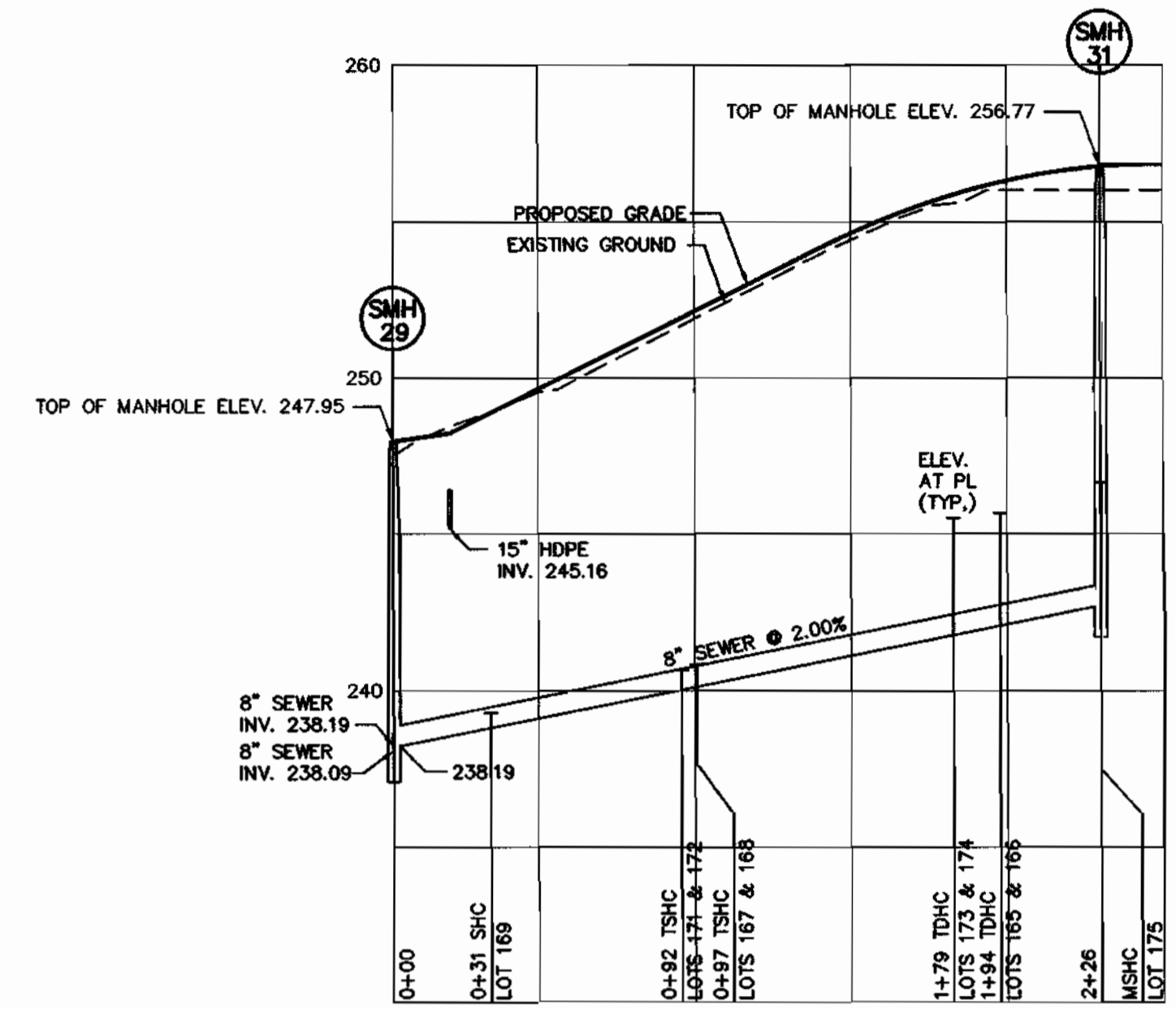
8" SEWER PROFILE
EXISTING 8" PLUG TO 8" PLUG

HORIZONTAL SCALE : 1" = 50'
VERTICAL SCALE : 1" = 5'



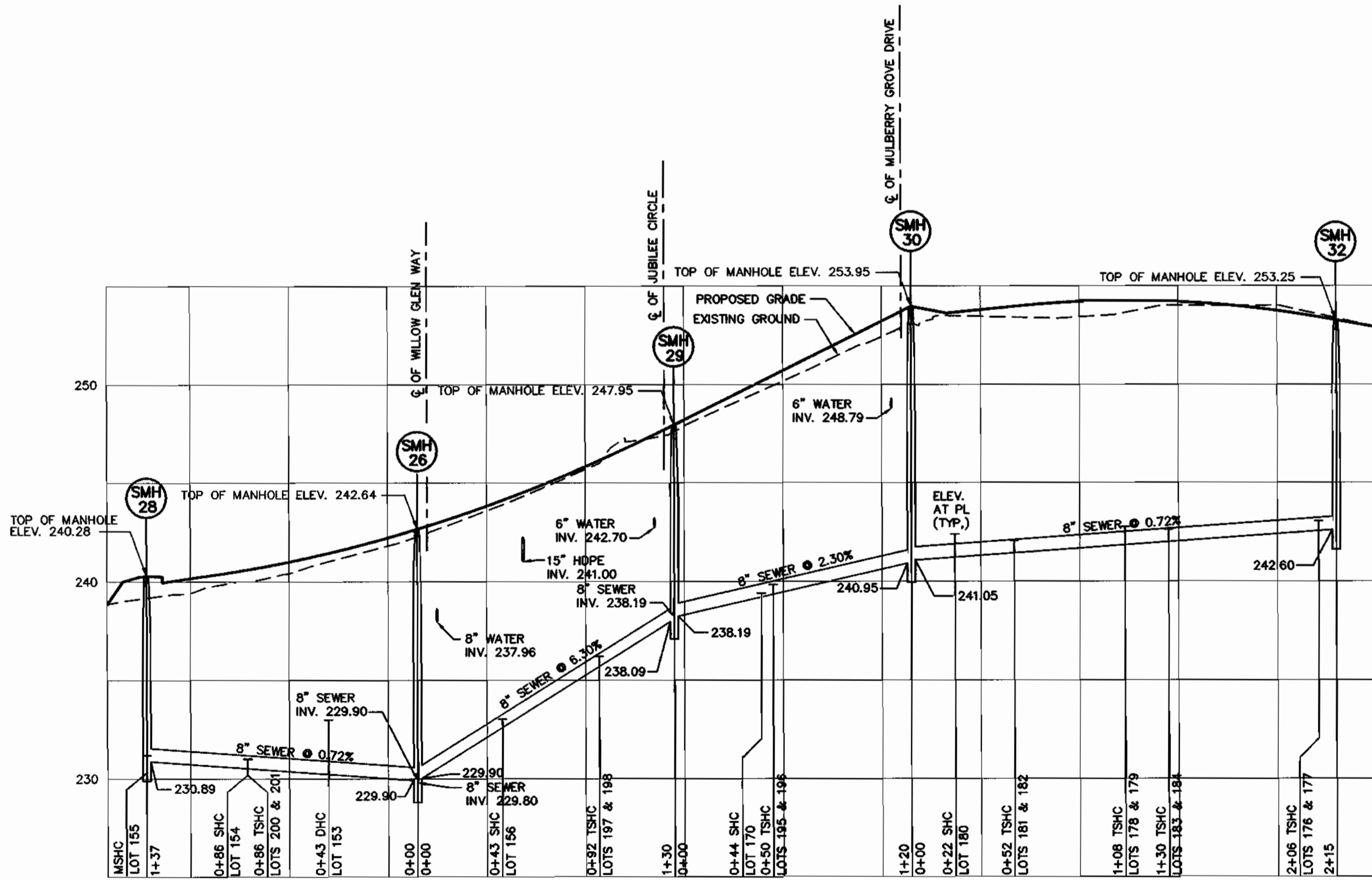
8" SEWER PROFILE
SMH 34 TO SMH 33

HORIZONTAL SCALE : 1" = 50'
VERTICAL SCALE : 1" = 5'



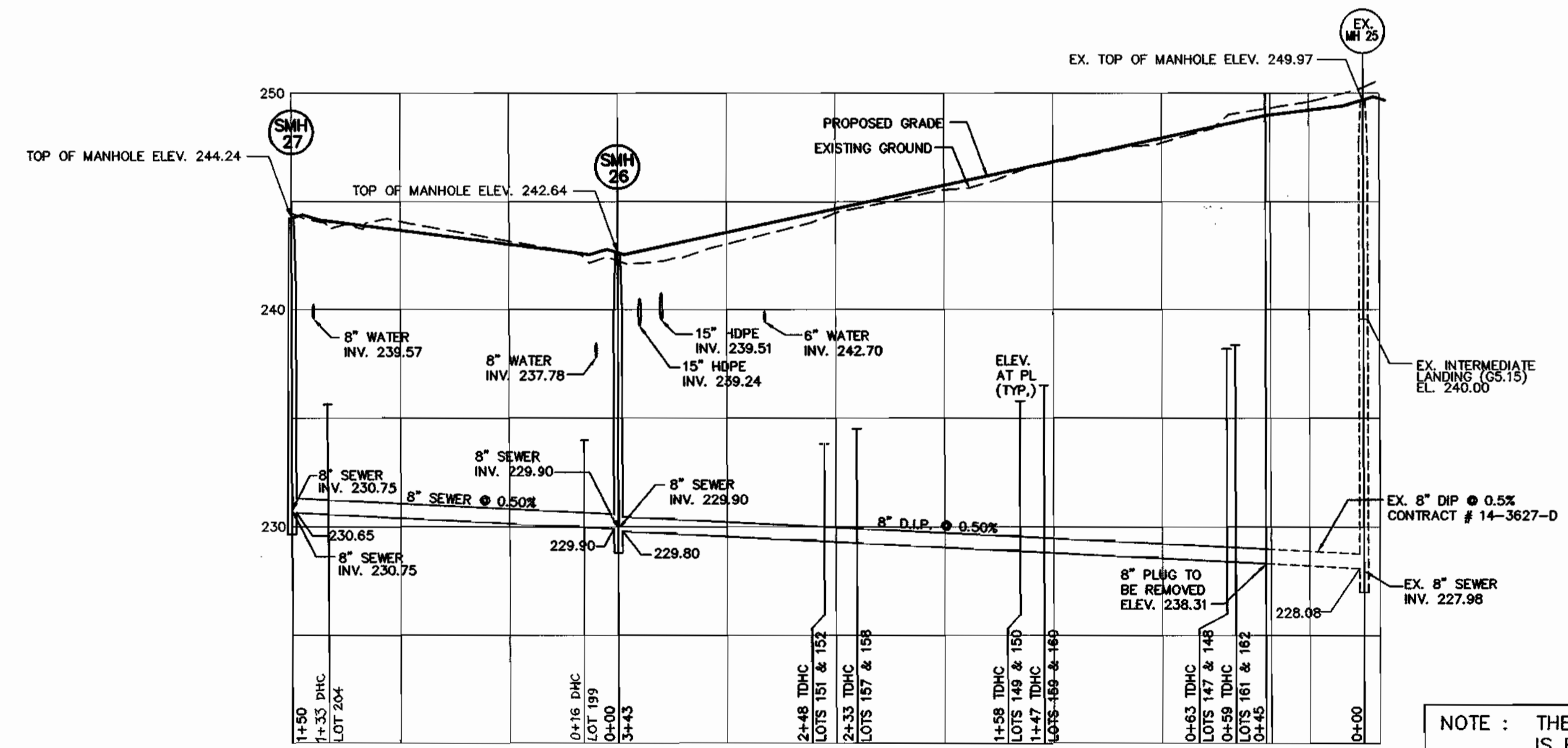
8" SEWER PROFILE
SMH 29 TO SMH 31

HORIZONTAL SCALE : 1" = 50'
VERTICAL SCALE : 1" = 5'



8" SEWER PROFILE
SMH 28 TO SMH 32

HORIZONTAL SCALE : 1" = 50'
VERTICAL SCALE : 1" = 5'



8" SEWER PROFILE
SMH 27 TO EXISTING 8" PLUG

HORIZONTAL SCALE : 1" = 50'
VERTICAL SCALE : 1" = 5'

NOTE : THE EXISTING GROUND LINE IS BASED ON THE MASS GRADING PLAN FOR CORRIDOR ONE (SDP-96-20).

CONTRACT NO.: 14-3772-D
NEW COLONY VILLAGE - PHASE 4
WATER AND SEWER MAIN EXTENSIONS
HOWARD COUNTY, MARYLAND

94044.DWG/PHASE4/W&S/WS-PROF.dwg 6-10-99 9:44:14 am EST

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
Robert M. Berman 7-16-99
CHIEF, BUREAU OF UTILITIES DATE

DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND
7/30/99
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

MILDENBERG, BOENDER & ASSOC., INC.
Engineers Planners Surveyors
5073 Dorney Hall Drive, Suite 202, Ellicott City, Maryland 21042
(410) 997-0296 Beal (301) 621-5521 Wash. (410) 997-0298 Fax



engineering	SJD				
illustration	SJD				
approval	RJH				
project	94044				
date	JULY 1999	BY	NO.	REVISION	DATE

SEWER PROFILES
600' SCALE MAP NO. 43 BLOCK NO. 3

NEW COLONY VILLAGE
PHASE 4 - UNITS 147 TO 236
CONTRACT # 14-3772-D
FIRST ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

scale AS SHOWN
4 OF 4

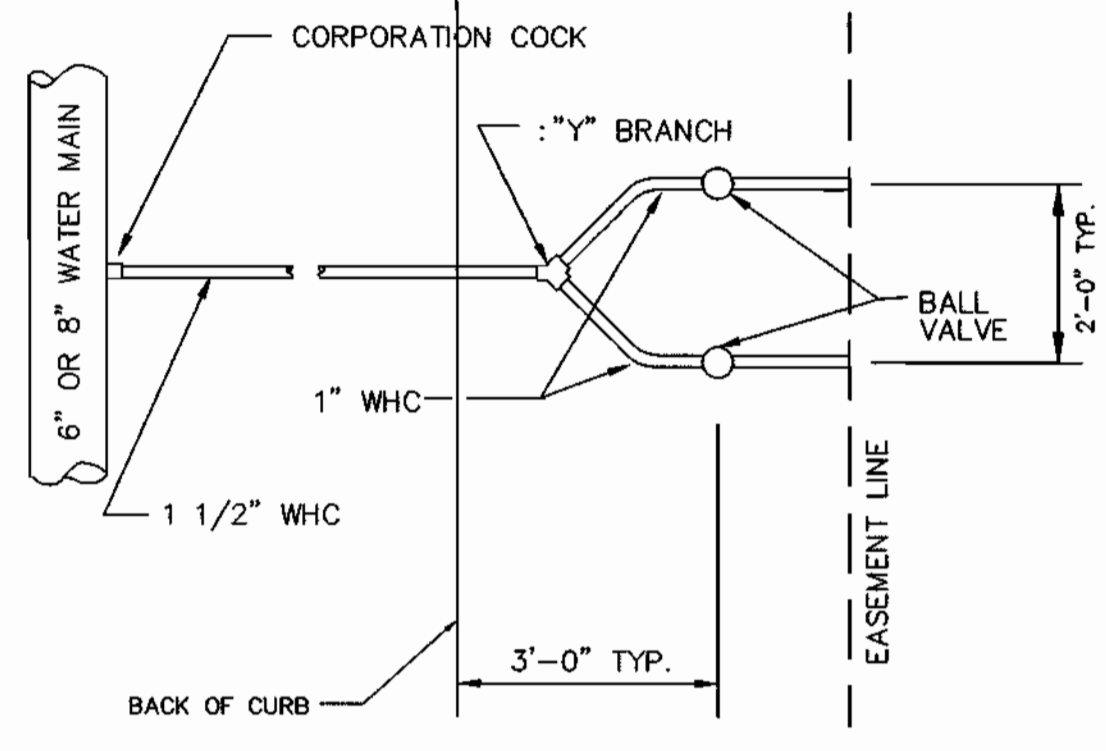
TAX MAP 43, PARCEL 279
ELK PARTNERSHIP
L 1485, F. 657

MANHOLE LOCATION CHART			
MH #	ROAD	CL STATION	OFFSET
26	BLUFF POINT LANE	8+03.08	5' RT.
27	BLUFF POINT LANE	3+70	5' RT.
28	BLUFF POINT LANE	6+69.45	10.94' RT.
29	BLUFF POINT LANE	9+33.08	5' RT.
30	BLUFF POINT LANE	10+53.08	5' RT.
31	JUBILEE CIRCLE	1+21.42	5' RT.
32	MULBERRY GROVE DRIVE	0+64.48	5' RT.
33	BLUFF POINT LANE	5+15.23	18.08' RT.
34	BLUFF POINT LANE	1+25	5' RT.
45	COVE POINT WAY	6+46.13	5' LT.

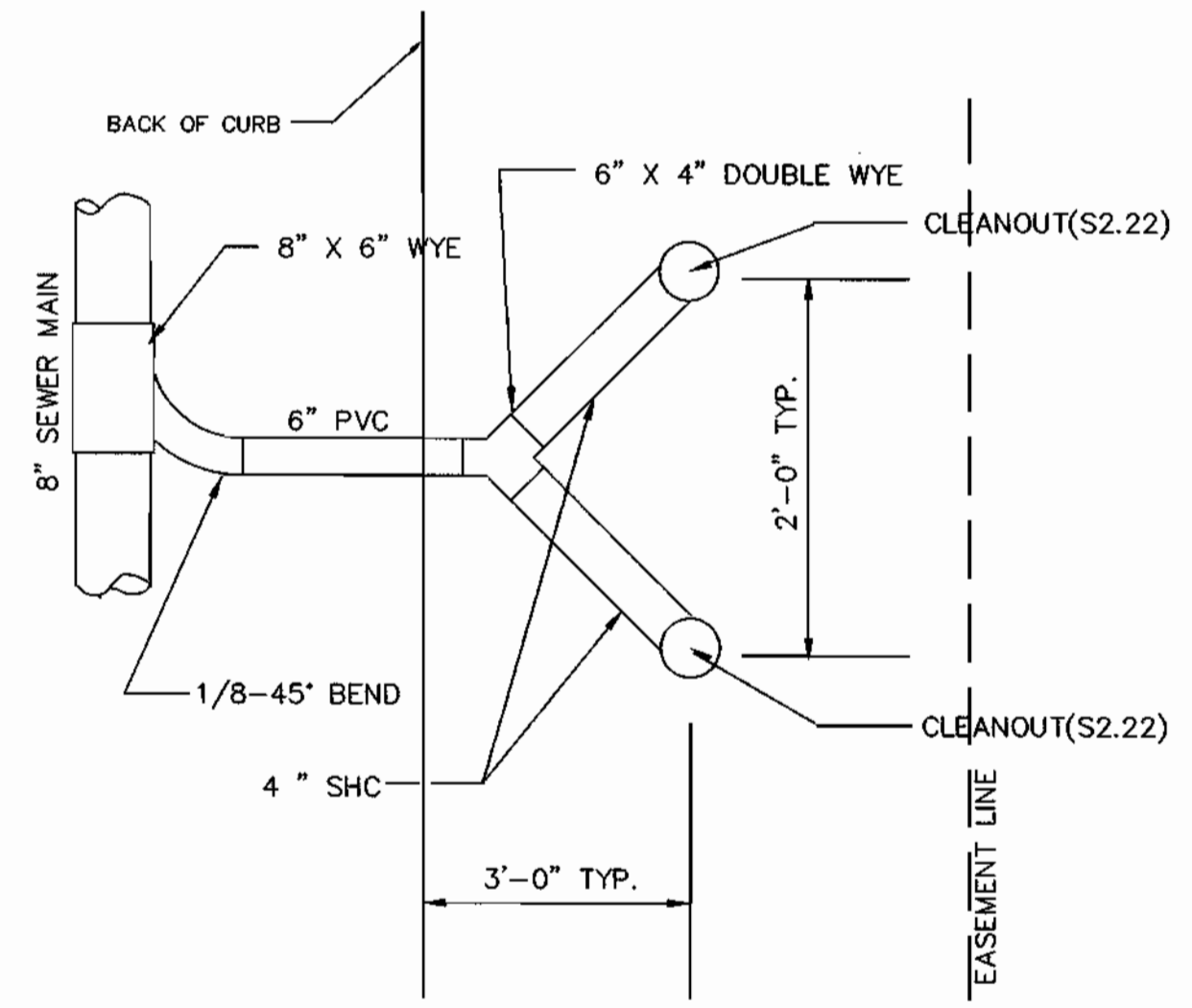
COVE POINT WAY		
WATER STA.	APPURTENANCE	OFFSET
3+75	8" C&B	5' RT.
5+06.13	8"x8" T	5' RT.
6+20	8"x6" FHT	5' RT.
6+20	6" V	7' RT.
6+20	F.H.	16.22' RT.
6+33.13	8" V	5' RT.
6+36.13	8"x8" T	5' RT.

BLUFF POINT WAY		
WATER STA.	APPURTENANCE	OFFSET
0+08	8" V	5' LT.
3+95	8"x6" FHT	5' LT.
3+95	6" V	7' LT.
3+95	F.H.	12.10' LT.
3+98	8" V	5' LT.
5+16.56	8"x8" T W/CAP	7.26' RT.
6+00.99	1 1/2" DRAIN	21.20' LT.
6+56.52	8"x8" T W/CAP	7.26' RT.
8+13.08	8"x8" T	5' LT.
8+13.08	8" V	2' LT.
9+20.08	8" V	5' LT.
9+23.08	8"x6" T	5' LT.
9+23.08	6" V	2' LT.
10+43.08	8"x6" T	5' LT.
10+43.08	6" V	2' LT.
11+65.08	8" V	5' LT.

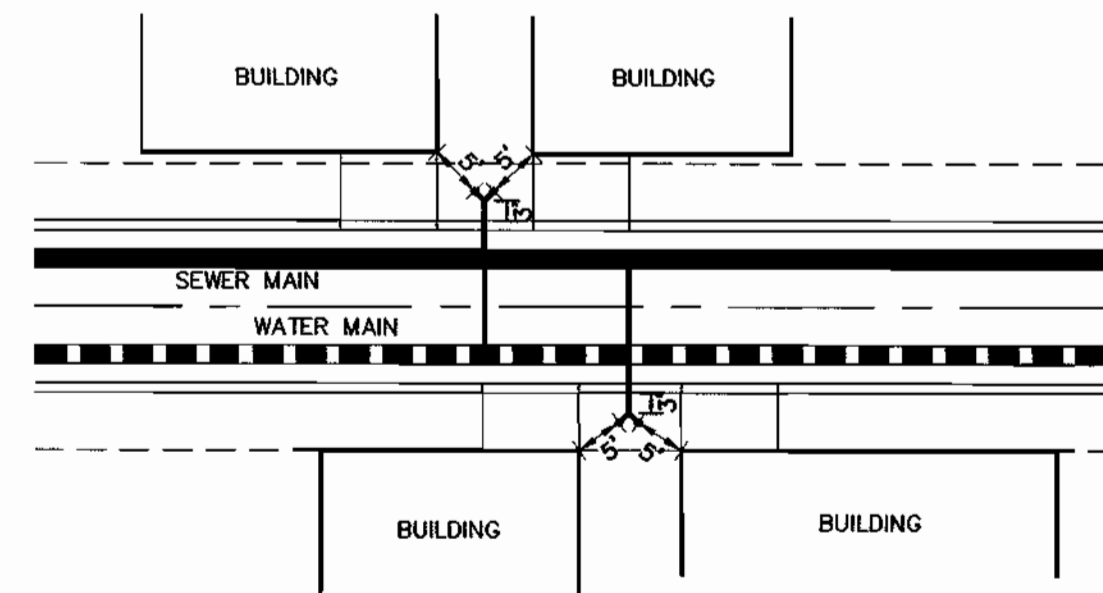
WILLOW GLEN WAY		
WATER STA.	APPURTENANCE	OFFSET
2+70	8"x6" R	5' RT.
2+75	8" V	5' RT.
2+80	8"x6" FHT	5' RT.
2+80	6" V	3' RT.
2+80	F.H.	12.10' LT.



TYPICAL DETAIL -
TWIN WATER HOUSE CONNECTION (TWHC)



TYPICAL DETAIL -
TWIN SEWER HOUSE CONNECTION (TSHC)

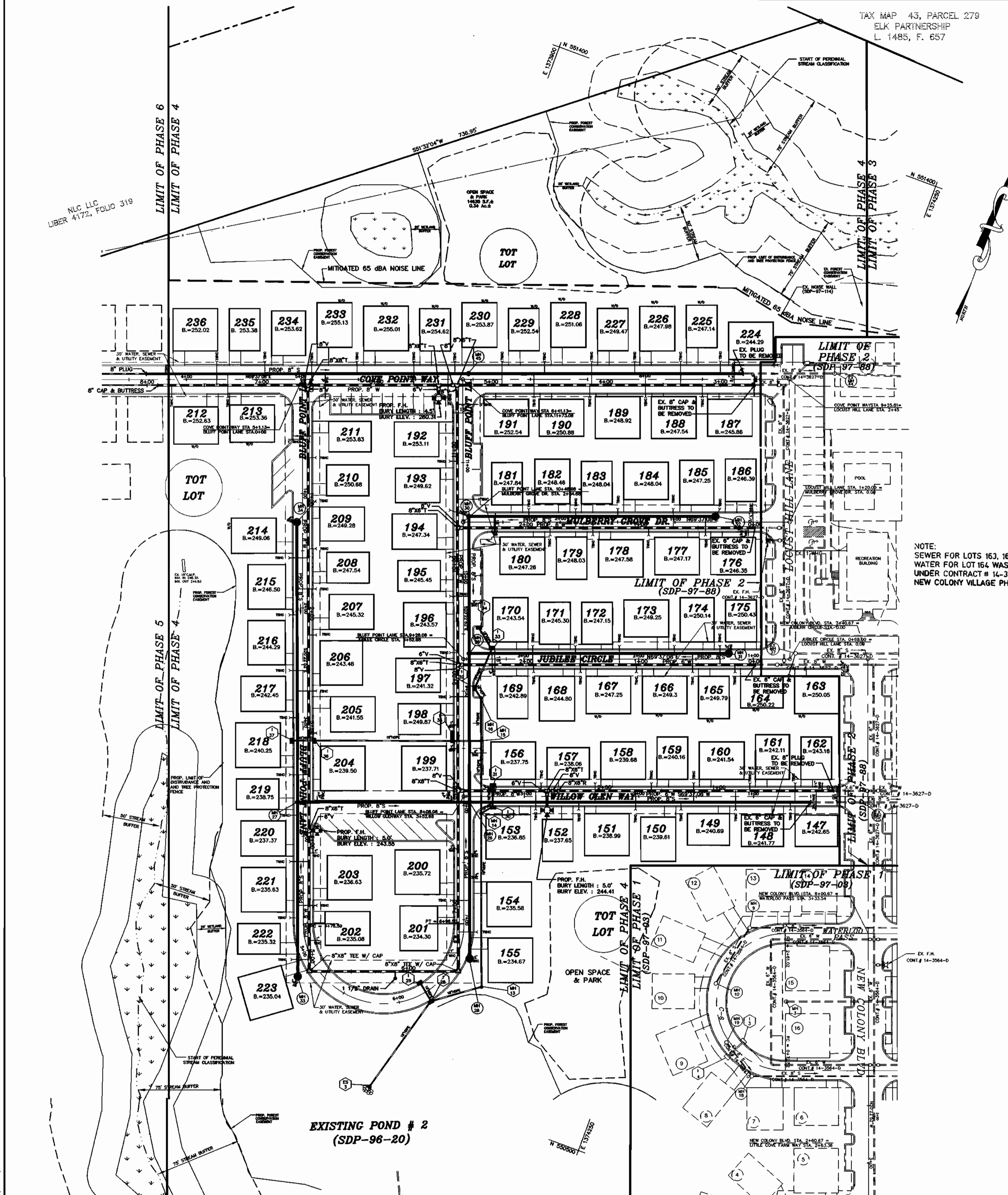


TYPICAL DETAIL -
TWIN WHC & SHC LOCATIONS IN PLAN VIEW
SCALE : 1" = 20'

NOTE:
SEWER FOR LOTS 163, 164 AND
WATER FOR LOT 164 WAS PROVIDED
UNDER CONTRACT # 14-3627-D
NEW COLONY VILLAGE PHASE II

SEWER HOUSE CONNECTION TABLE					
UNIT #	% SLOPE	INV. @ EASE.	SERVICEABLE ELEV.	TYPE OF CONNECTION	
147 & 148	2	238.17	241.27	TDHC TYPE 'A'	
149 & 150	2	235.77	238.85 & 239.11	TDHC TYPE 'A'	
151 & 152	2	233.81	237.07 & 237.15	TDHC TYPE 'A'	
153	2	232.98	236.35	DHC TYPE 'A'	
154	3	230.99	234.81	SHC	
155	3	231.19	234.59	MSHC	
156	3	233.02	236.99	MSHC	
157 & 158	2	234.50	237.56 & 237.68	TDHC TYPE 'A'	
159 & 160	2	236.50	239.76 & 239.66	TDHC TYPE 'A'	
161 & 162	2	238.35	241.61 & 241.63	TDHC TYPE 'A'	
165 & 166	2	245.64	248.90 & 248.80	TDHC TYPE 'A'	
167 & 168	3	240.84	243.33 & 244.51	TSHC	
169	2	239.29	242.53	SHC	
170	2	239.40	242.76	SHC	
171 & 172	5	240.58	244.96	TSHC	
173 & 174	2	245.49	248.75 & 248.77	TDHC TYPE 'A'	
175	2	246.63	249.87	MSHC	
176 & 177	2	243.03	246.17	TSHC	
178 & 179	4	242.75	246.61 & 246.69	TSHC	
180	5	242.37	246.47	SHC	
181 & 182	5	242.05	246.45 & 246.60	TSHC	
183 & 184	5	242.62	247.02	TSHC	
185 & 186	2	242.82	246.10 & 246.12	MTSHC	
188 & 189	2	244.05	247.29	TSHC	
190 & 191	4	246.41	250.31	TSHC	
192	2	249.12	252.50	DHC TYPE 'A'	
193 & 194	5	242.15	246.90 & 247.05	MTSHC	
195 & 196	2	239.84	243.18 & 243.10	TSHC	
197 & 198	2	236.20	239.58 & 239.56	TSHC	
199	2	233.93	237.21	DHC TYPE 'A'	
200 & 201	2	231.02	234.44 & 234.30	TSHC	
202 & 203	2	231.90	235.28 & 235.32	TSHC	
204	2	235.72	239.00	DHC TYPE 'A'	
205 & 206	4	237.10	241.52 & 241.08	TSHC	
207 & 208	2	241.67	245.13 & 245.03	TSHC	
209 & 210	2	245.09	248.37 & 248.47	MTSHC	
211	5	246.99	251.99	SHC	
212 & 213	5	247.33	251.93 & 251.83	TSHC	
214	2	244.79	248.25	MSHC	
215 & 216	3	240.29	243.78	TSHC	
217 & 218	5	235.52	240.02 & 240.22	TSHC	
219 & 220	2	233.69	237.05 & 236.97	TDHC TYPE 'A'	
221 & 222	2	231.78	235.08 & 235.14	TSHC	
223	2	232.17	235.39	MSHC	
224 & 225	2	240.85	244.05 & 244.35	TSHC	
226 & 227	4	242.67	247.09 & 247.05	TSHC	
228 & 229	2	247.10	250.64 & 250.54	TDHC TYPE 'A'	
230 & 231	2	249.73	253.27 & 253.17	TDHC TYPE 'A'	
232 & 233	2	250.53	254.01 & 254.07	TDHC TYPE 'A'	
234 & 235	2	249.34	252.74 & 252.78	TDHC TYPE 'A'	
236 & 237	3	246.87	250.75 & 250.87	TSHC	

CONTRACT NO.: 14-3772-D
NEW COLONY VILLAGE - PHASE 4
WATER AND SEWER MAIN EXTENSIONS
HOWARD COUNTY, MARYLAND



DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
Robert M. Seinger 7-16-99
CHIEF, BUREAU OF UTILITIES

DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND
Chief, Development Engineering Division 7/20/99

MILDENBERG, BOENDER & ASSOC., INC.
Engineers Planners Surveyors
5072 Dorsey Hall Drive, Suite 202, Elkton City, Maryland 21042
(410) 897-0286 Dial. (301) 621-5521 Wash. (410) 997-0288 Fax.

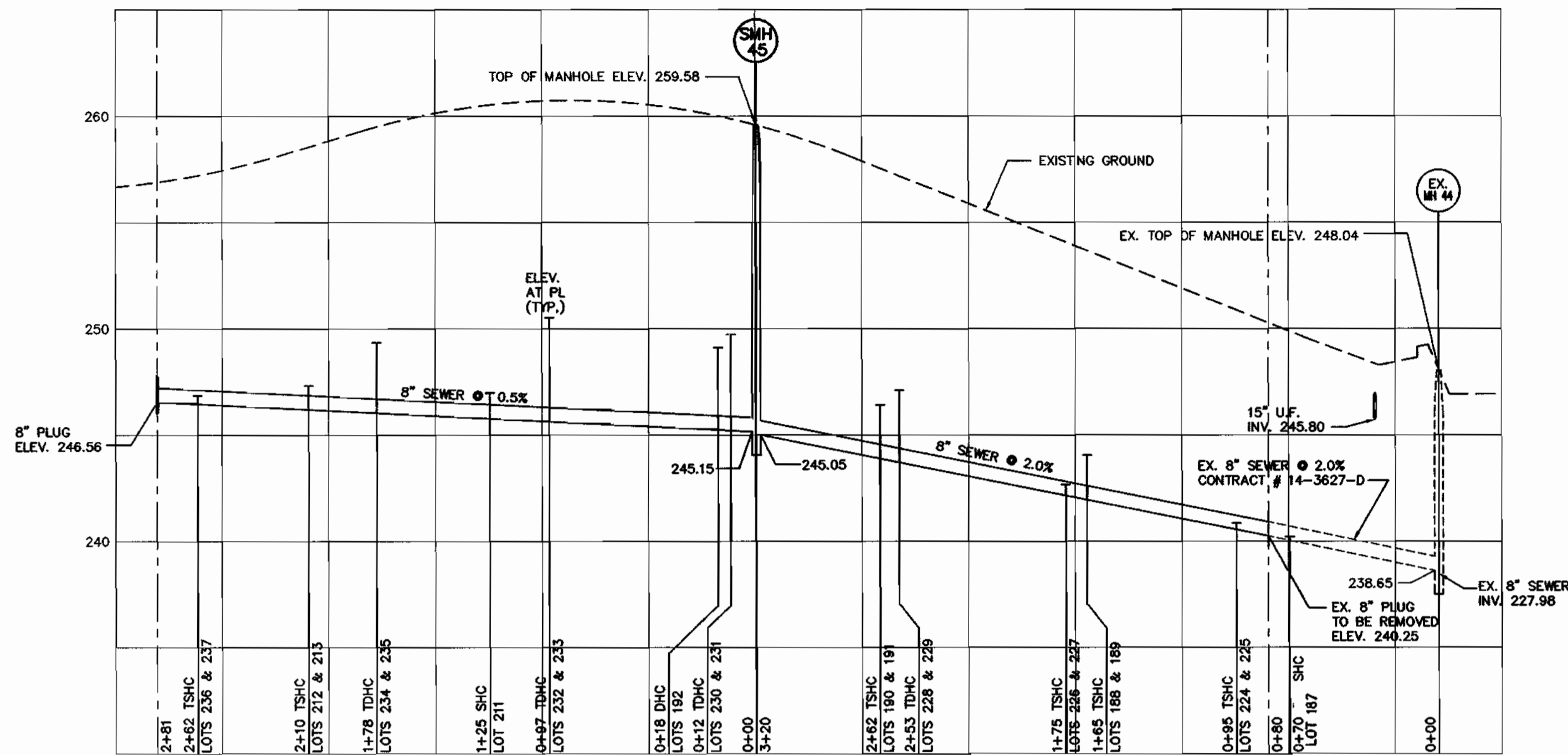


engineering	MP				
illustration	MP/SJD				
approval	RJH				
project	94044				
date	JULY 1999				
BY	NO.	REVISION	DATE	600' SCALE MAP NO. 43	BLOCK NO. 3

WATER & SEWER PLAN

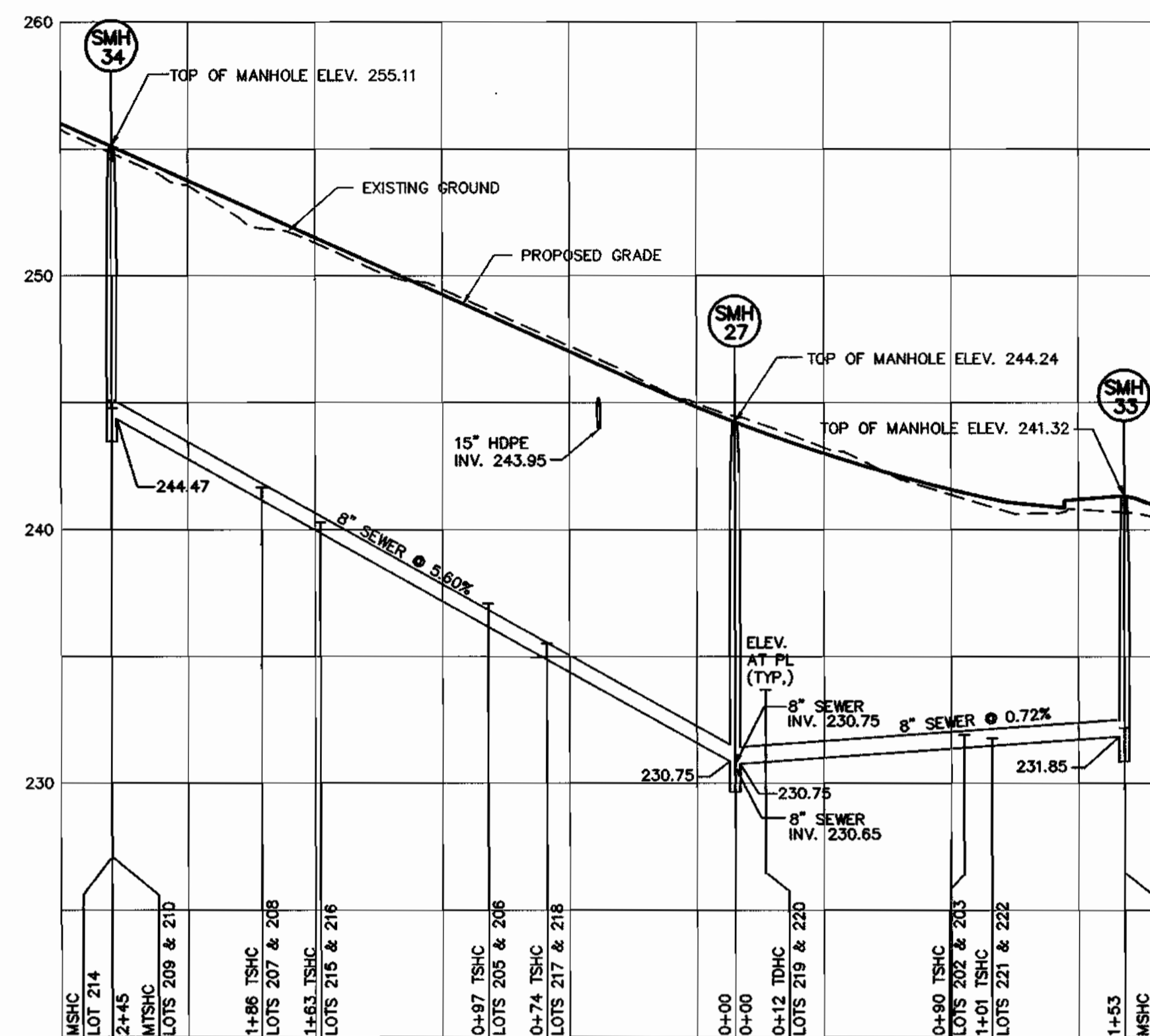
NEW COLONY VILLAGE
PHASE 4 - UNITS 147 TO 236
CONTRACT # 14-3772-D
FIRST ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

scale
1"=50'
2 OF 4



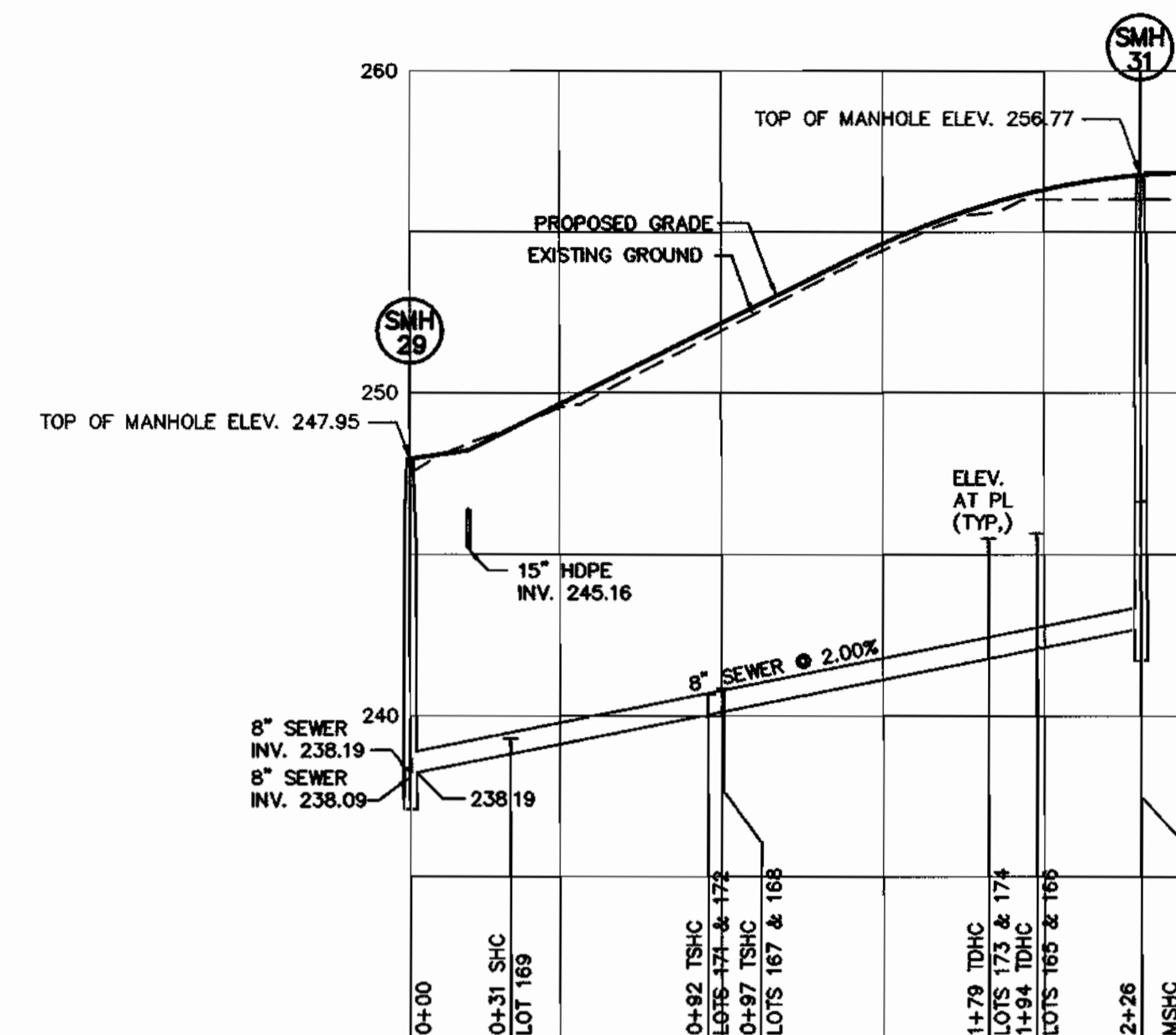
8" SEWER PROFILE
EXISTING 8" PLUG TO 8" PLUG

HORIZONTAL SCALE : 1" = 50'
VERTICAL SCALE : 1" = 5'



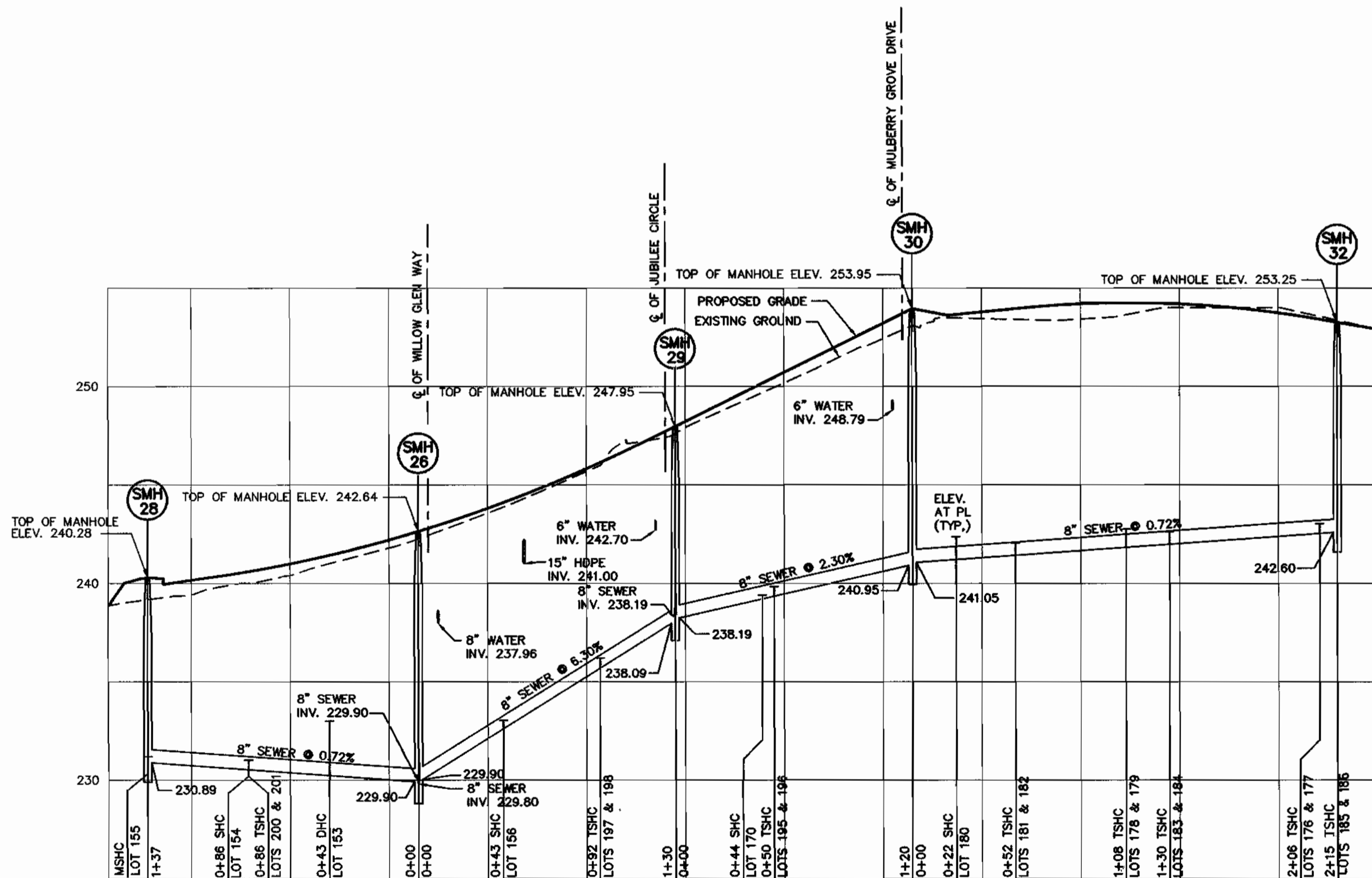
8" SEWER PROFILE
SMH 34 TO SMH 33

HORIZONTAL SCALE : 1" = 50'
VERTICAL SCALE : 1" = 5'



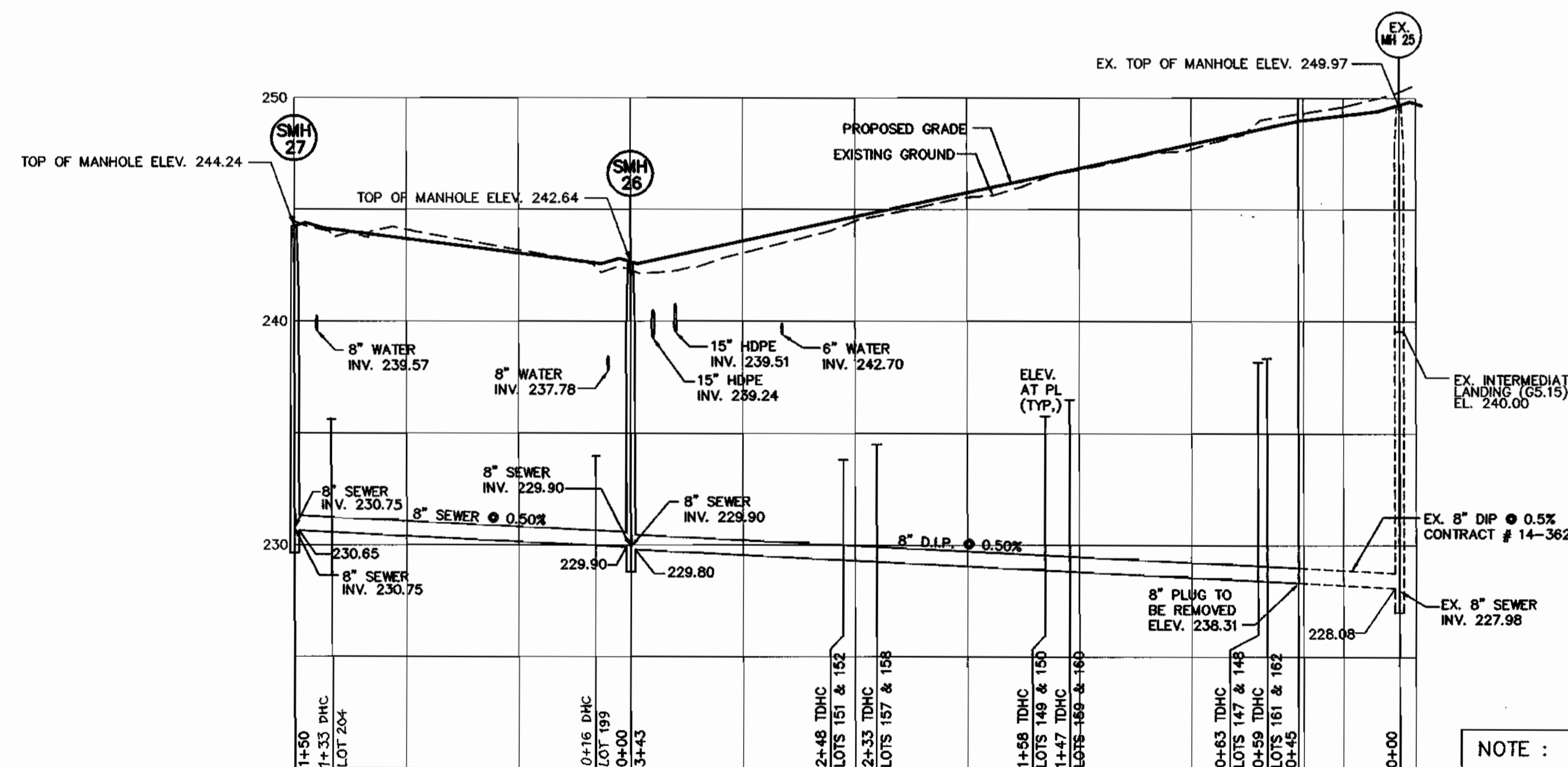
8" SEWER PROFILE
SMH 29 TO SMH 31

HORIZONTAL SCALE : 1" = 50'
VERTICAL SCALE : 1" = 5'



8" SEWER PROFILE
SMH 28 TO SMH 32

HORIZONTAL SCALE : 1" = 50'
VERTICAL SCALE : 1" = 5'



8" SEWER PROFILE
SMH 27 TO EXISTING 8" PLUG

HORIZONTAL SCALE : 1" = 50'
VERTICAL SCALE : 1" = 5'

NOTE : THE EXISTING GROUND LINE IS BASED ON THE MASS GRADING PLAN FOR CORRIDOR ONE (SDP-96-20).

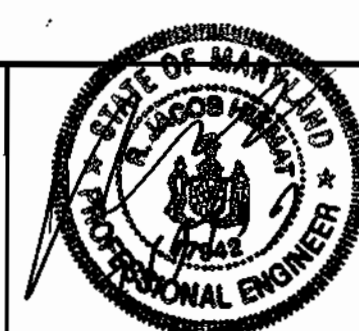
CONTRACT NO.: 14-3772-D
NEW COLONY VILLAGE - PHASE 4
WATER AND SEWER MAIN EXTENSIONS
HOWARD COUNTY, MARYLAND

94044.DWG/PHASE4/MS-PROF.dwg 6-10-99 9:44:14 am EST

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND

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



engineering	SJD			
illustration	SJD			
approval	RJH			
project	94044	1	REVISED WHC & SHC TO LOTS 147,162,176,185,186,187, & 224	5/9/00
date	JULY 1999	BY	NO.	REVISION
				DATE

SEWER PROFILES

NEW COLONY VILLAGE
PHASE 4 - UNITS 147 TO 236
CONTRACT # 14-3772-D
FIRST ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

scale
AS SHOWN
4 OF 4

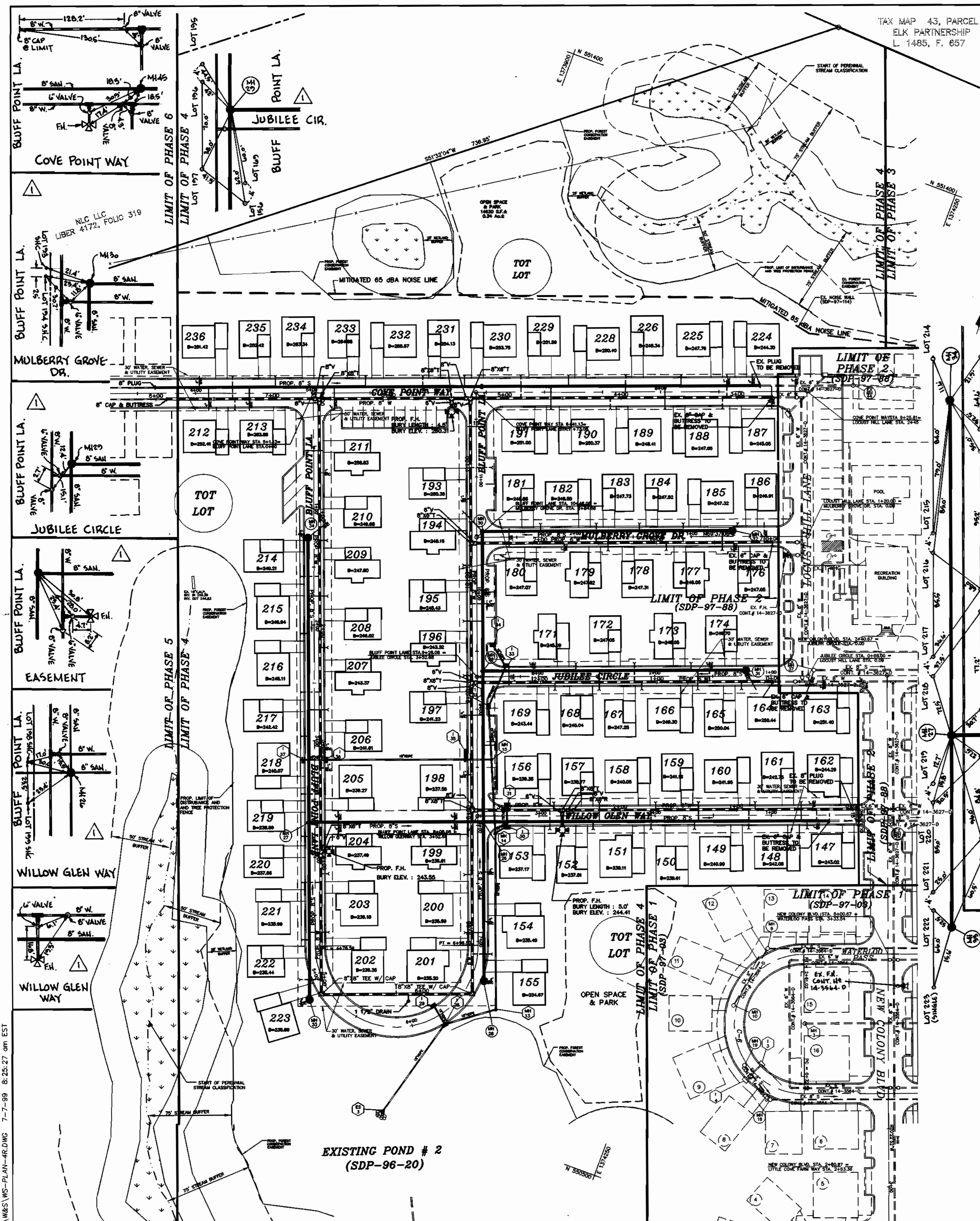
Robert M. Boender 7-16-99
CHIEF, BUREAU OF UTILITIES DATE

Robert M. Boender 7/30/99
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

5073 Dorney Hall Drive, Suite 202, Ellicott City, Maryland 21042
(410) 997-0296 Bal. (301) 621-5521 Wash. (410) 997-0298 Fax

600' SCALE MAP NO. 43 BLOCK NO. 3

TAX MAP 43, PARCEL 279
ELK PARTNERSHIP
L 1485, F. 657



MANHOLE LOCATION CHART

MH #	ROAD	CL STATION	OFFSET
26	BLUFF POINT LANE	8+03.08	5' RT.
27	BLUFF POINT LANE	3+70	5' RT.
29	BLUFF POINT LANE	6+69.45	10.94' RT.
30	BLUFF POINT LANE	9+33.08	5' RT.
31	JUBILEE CIRCLE	10+53.08	5' RT.
32	MULBERRY GROVE DRIVE	0+64.48	5' RT.
33	BLUFF POINT LANE	5+15.23	18.08' RT.
34	BLUFF POINT LANE	1+25	5' RT.
45	COVE POINT WAY	6+46.13	5' LT.

WATER MAIN TABULATION CHART

COVE POINT WAY

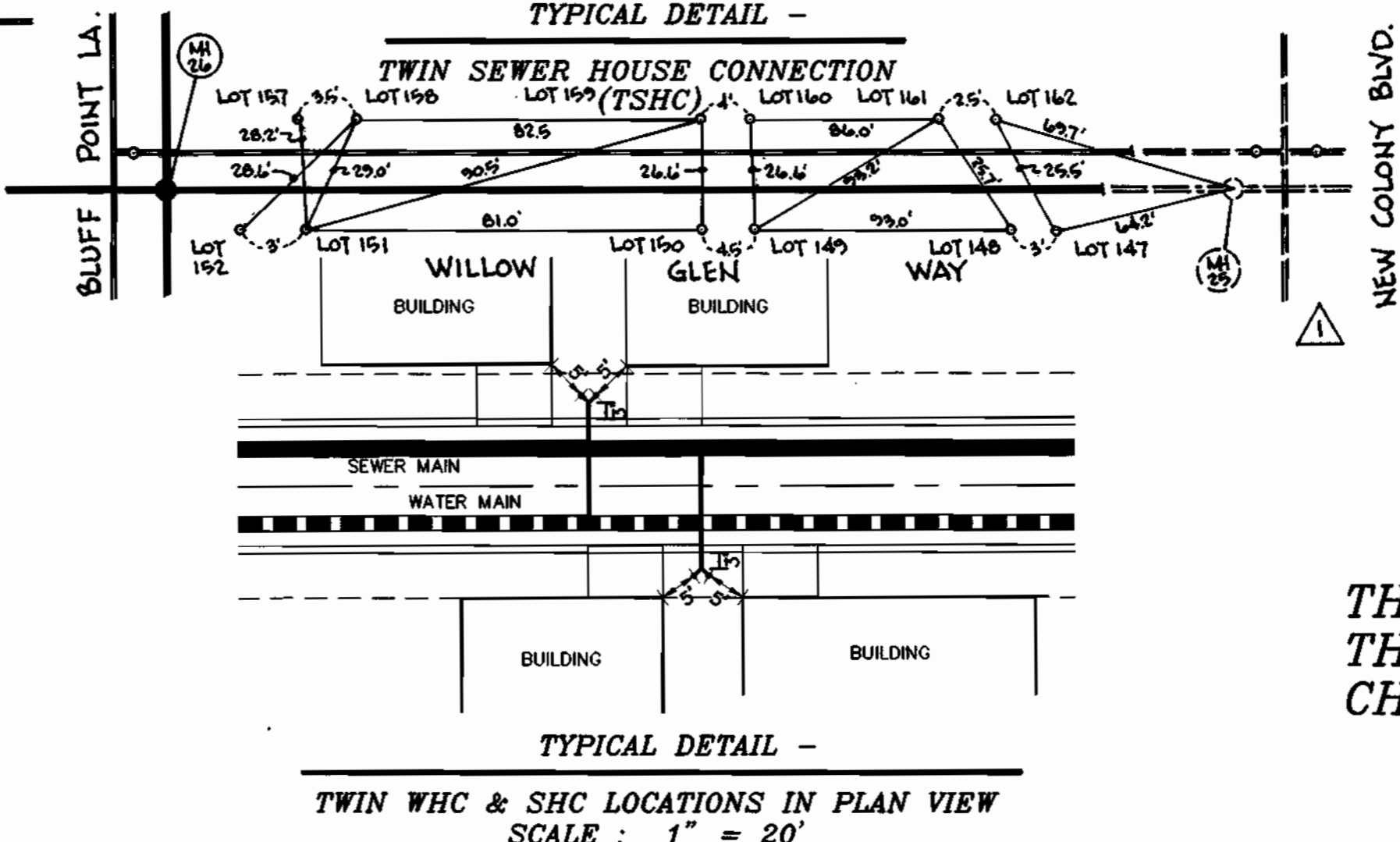
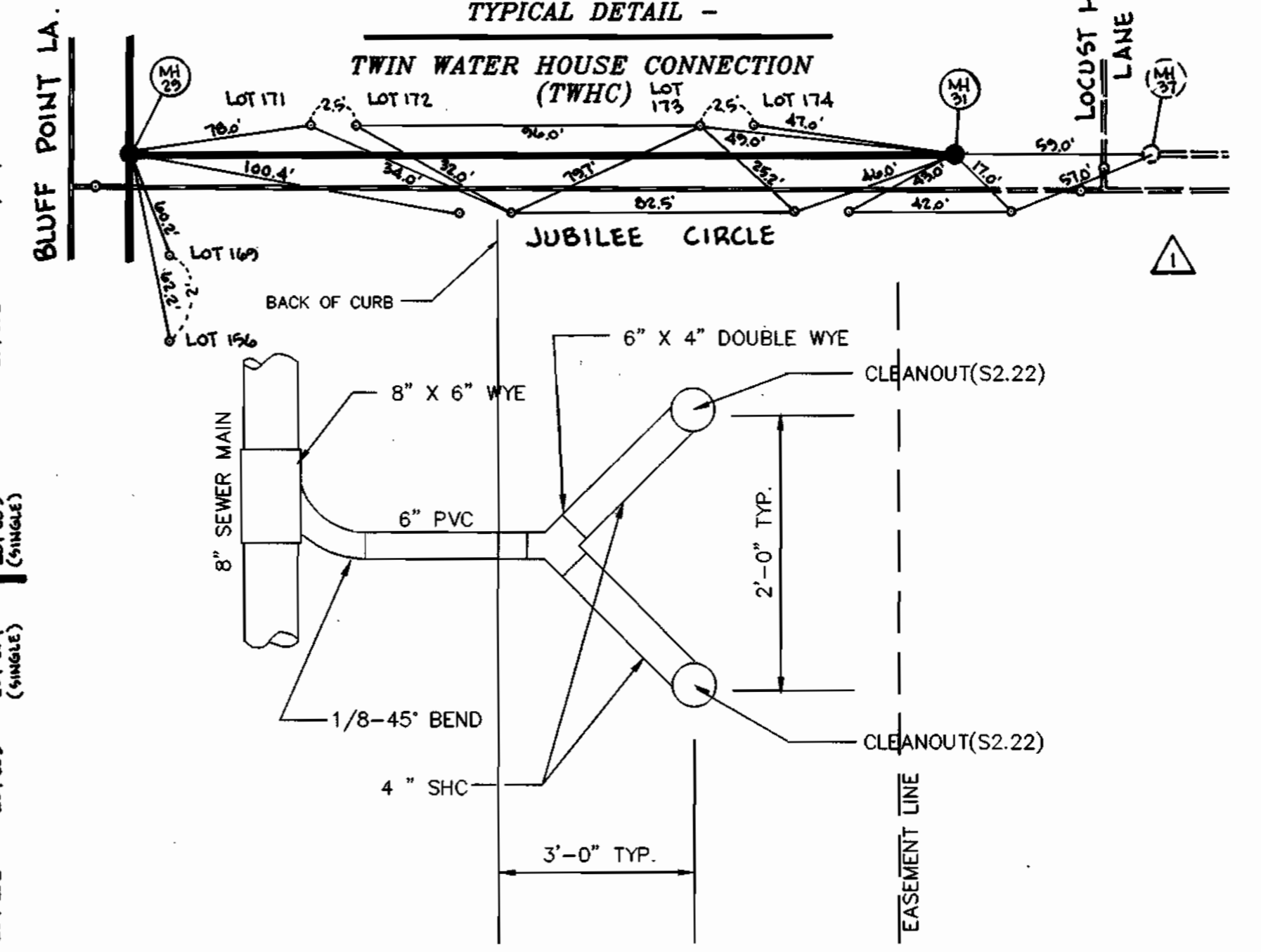
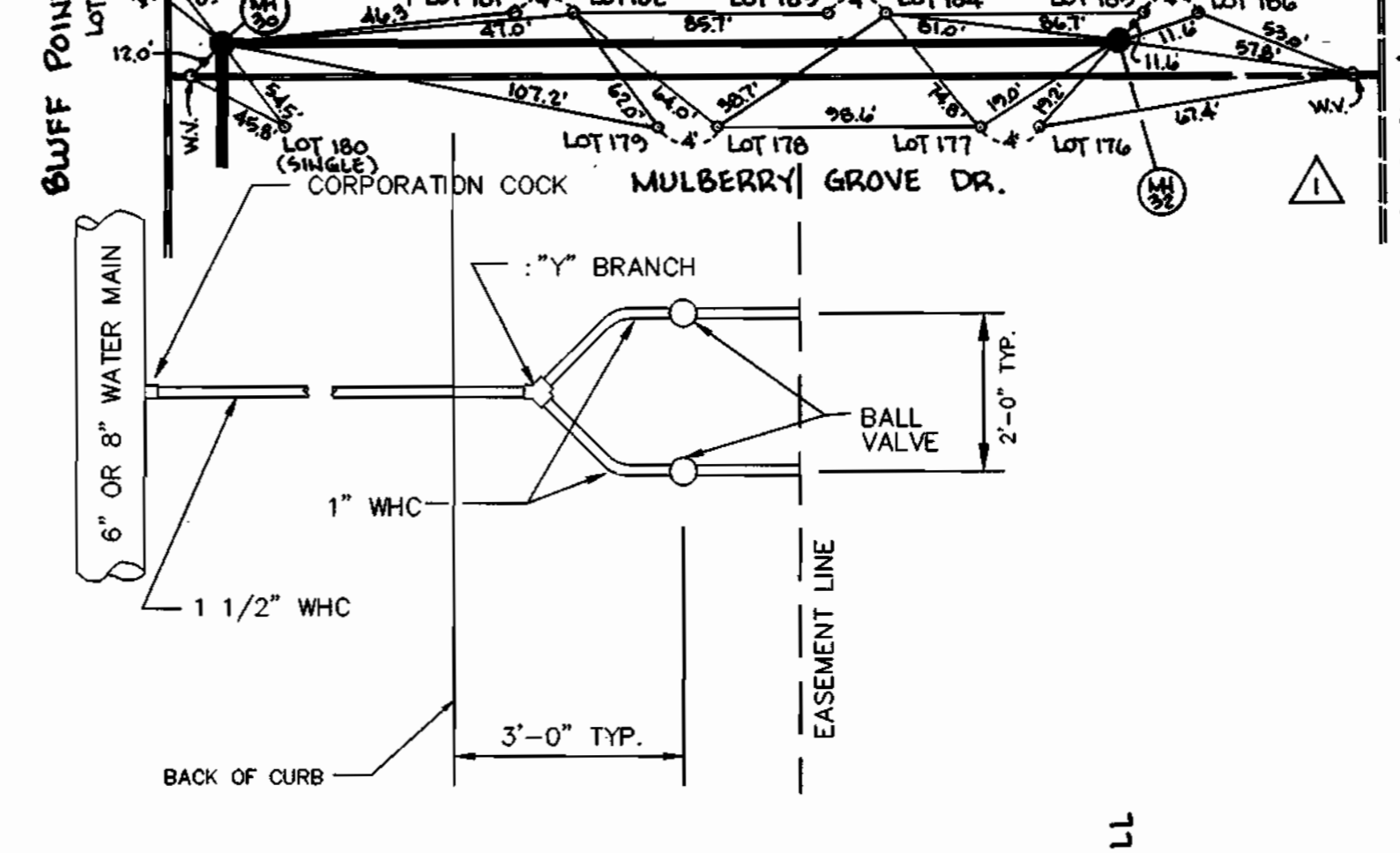
WATER STA.	APPURTENANCE	OFFSET
3+75	8" C&B	5' RT.
5+06.13	8"x8" T	5' RT.
6+20	8"x6" FHT	5' RT.
6+20	6" V	7' RT.
6+20	F.H.	16.22' RT.
6+33.13	8" V	5' RT.
6+36.13	8"x8" T	5' RT.

BLUFF POINT WAY

WATER STA.	APPURTENANCE	OFFSET
0+08	8" V	5' LT.
3+95	8"x6" FHT	5' LT.
3+95	6" V	7' LT.
3+95	F.H.	12.10' LT.
3+98	8" V	5' LT.
5+16.56	8"x8" T W/CAP	7.26' RT.
6+00.99	1 1/2" DRAIN	21.20' LT.
6+56.52	8"x8" T W/CAP	7.26' RT.
8+13.08	8"x8" T	5' LT.
8+13.08	8" V	2' LT.
9+20.08	8" V	5' LT.
9+23.08	8"x6" T	5' LT.
9+23.08	6" V	2' LT.
10+43.08	8"x6" T	5' LT.
10+43.08	6" V	2' LT.
11+65.08	8" V	5' LT.

WILLOW GLEN WAY

WATER STA.	APPURTENANCE	OFFSET
2+70	8"x6" R	5' RT.
2+75	8" V	5' RT.
2+80	8"x6" FHT	5' RT.
2+80	6" V	3' RT.
2+80	F.H.	12.10' LT.



SEWER HOUSE CONNECTION TABLE

UNIT #	% SLOPE INV.	EASE.	SERVICEABLE ELEV.	TYPE OF CONNECTION
147 & 148	2	228.77	232.17	TSHC
149 & 150	2	229.26	232.66	TSHC
151 & 152	2	229.69	233.09	TSHC
153	2	230.58	233.98	SHC
154	3	230.89	234.29	SHC
155	2	231.07	234.42	SHC
256 & 159	2	234.43	237.98	TSHC
157 & 158	2	229.87	233.27	TSHC
159 & 160	2	229.44	232.84	TSHC
161 & 162	2	229.00	232.40	TSHC
163	2	243.07	246.47	MSHC
164	2	243.21	246.71	TSHC
165 & 166	2	242.64	245.96	TSHC
167 & 168	2	240.76	242.26	TSHC
171 & 172	2	240.16	243.76	TSHC
173 & 174	2	242.14	245.64	TSHC
176 & 177	2	243.10	246.17	TSHC
178 & 179	2	242.40	246.00	TSHC
180	2	240.12	243.42	SHC
181 & 182	2	241.78	245.38	TSHC
183 & 184	2	242.39	245.99	TSHC
185 & 186	2	243.05	246.65	MTSHC
187	2	240.62	243.92	SHC
188 & 189	2	242.26	246.16	TSHC
190 & 191	2	244.42	248.12	TSHC
193 & 194	2	241.66	245.26	MTSHC
195 & 196	2	239.66	243.26	TSHC
197	2	236.27	239.77	SHC
198 & 199	2	230.40	233.80	DSHC TYPE B
200 & 201	2	231.15	234.87	TSHC
202 & 203	2	232.03	235.73	TSHC
204 & 205	2	230.90	234.30	DSHC TYPE B
206 & 207	2	236.75	240.45	TSHC
208 & 209	2	242.24	245.94	TSHC
210	2	245.14	248.64	MSHC
211	2	246.35	250.05	SHC
212	2	246.70	250.00	SHC
213	2	246.72	250.02	SHC
214	2	244.84	248.54	MSHC
215 & 216	2	240.25	243.75	TSHC
217 & 218	2	235.28	238.88	TSHC
219 & 220	2	231.20	234.90	TSHC
221 & 222	2	231.85	235.35	TSHC
223	1	232.15	235.15	MSHC
224	2	240.76	244.26	SHC
225 & 226	2	241.98	245.68	TSHC
228 & 229	2	243.92	247.62	TSHC
230 & 231	2	245.60	249.20	TSHC
232 & 233	2	246.02	249.62	TSHC
234 & 235	2	246.41	250.11	TSHC
236	2	248.74	250.45	SHC

THIS PLAN, NO. 2 OF 4, SUPERSEDES THE PLAN APPROVED AND SIGNED BY CHIEF OF D.E.D. ON 7/30/99.

CONTRACT NO.: 14-3772-D
NEW COLONY VILLAGE - PHASE 4
WATER AND SEWER MAIN EXTENSIONS
HOWARD COUNTY, MARYLAND

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, Elkton City, Maryland 21042
(410) 987-0286 Fax: (301) 621-5521 Wash. (410) 987-0298 Fax

Chief, Bureau of Utilities
DATE: 11-03-00

Chief, Development Engineering Division
DATE: 11/03/00

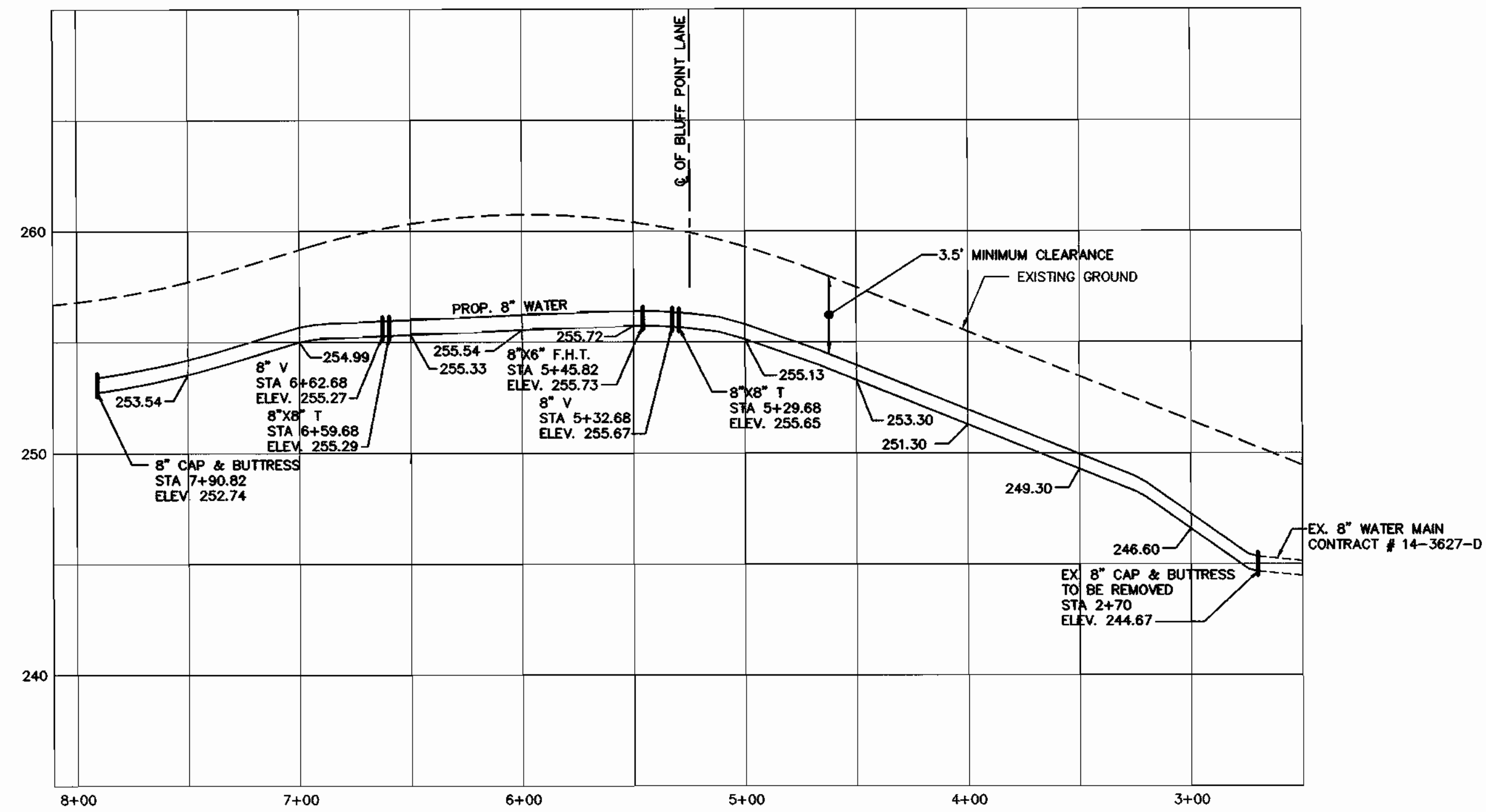
engineering MP
illustration MP/SJD
approval RJH
project 94044 JMT
date OCT.2000 BY NO. AS-BUILT

WATER & SEWER PLAN

DATE: 600' SCALE MAP NO. 43 BLOCK NO. 3

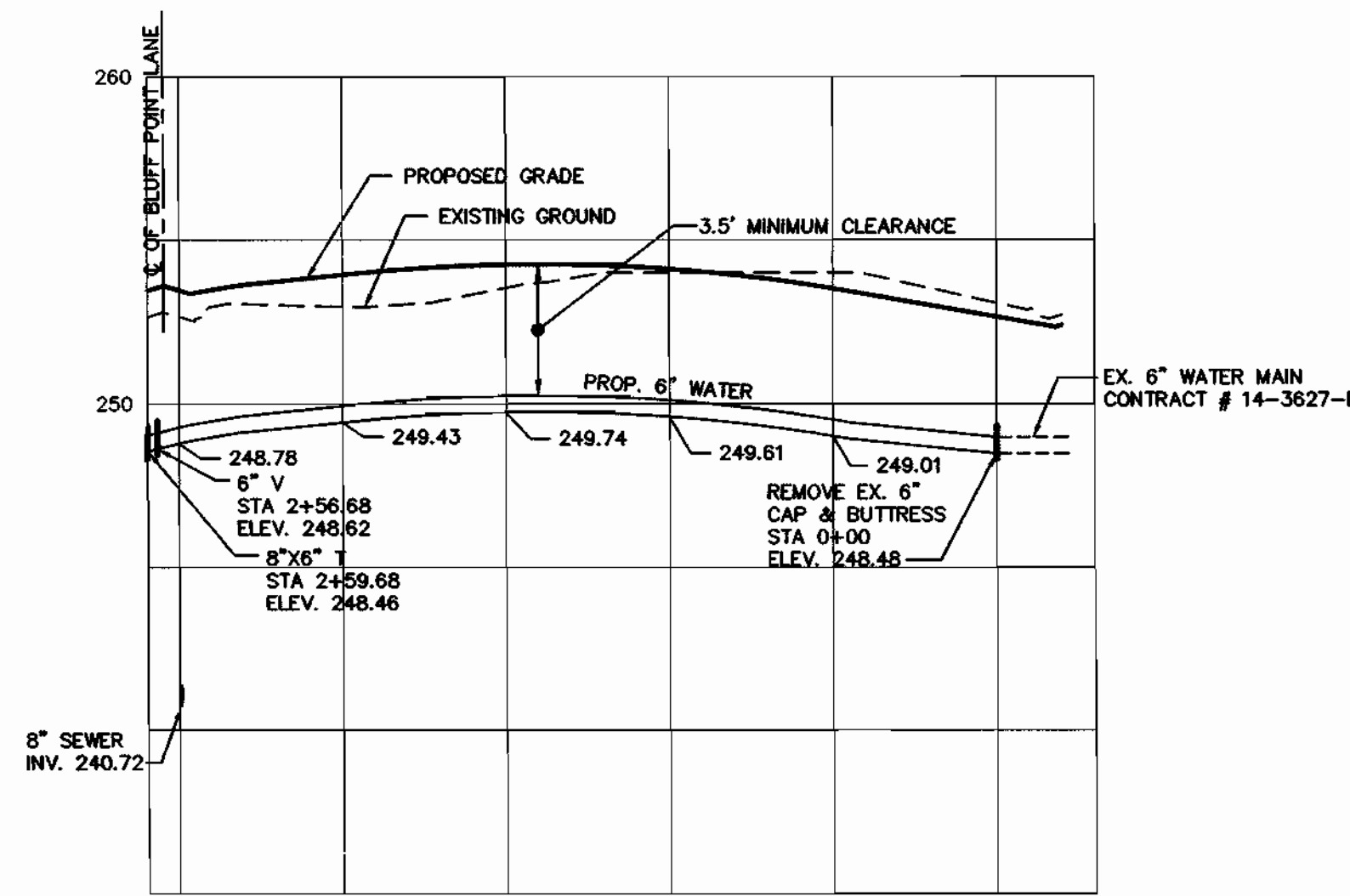
NEW COLONY VILLAGE
PHASE 4 - UNITS 147 TO 236
CONTRACT # 14-3772-D
FIRST ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

scale
1"=50'
2 OF 4



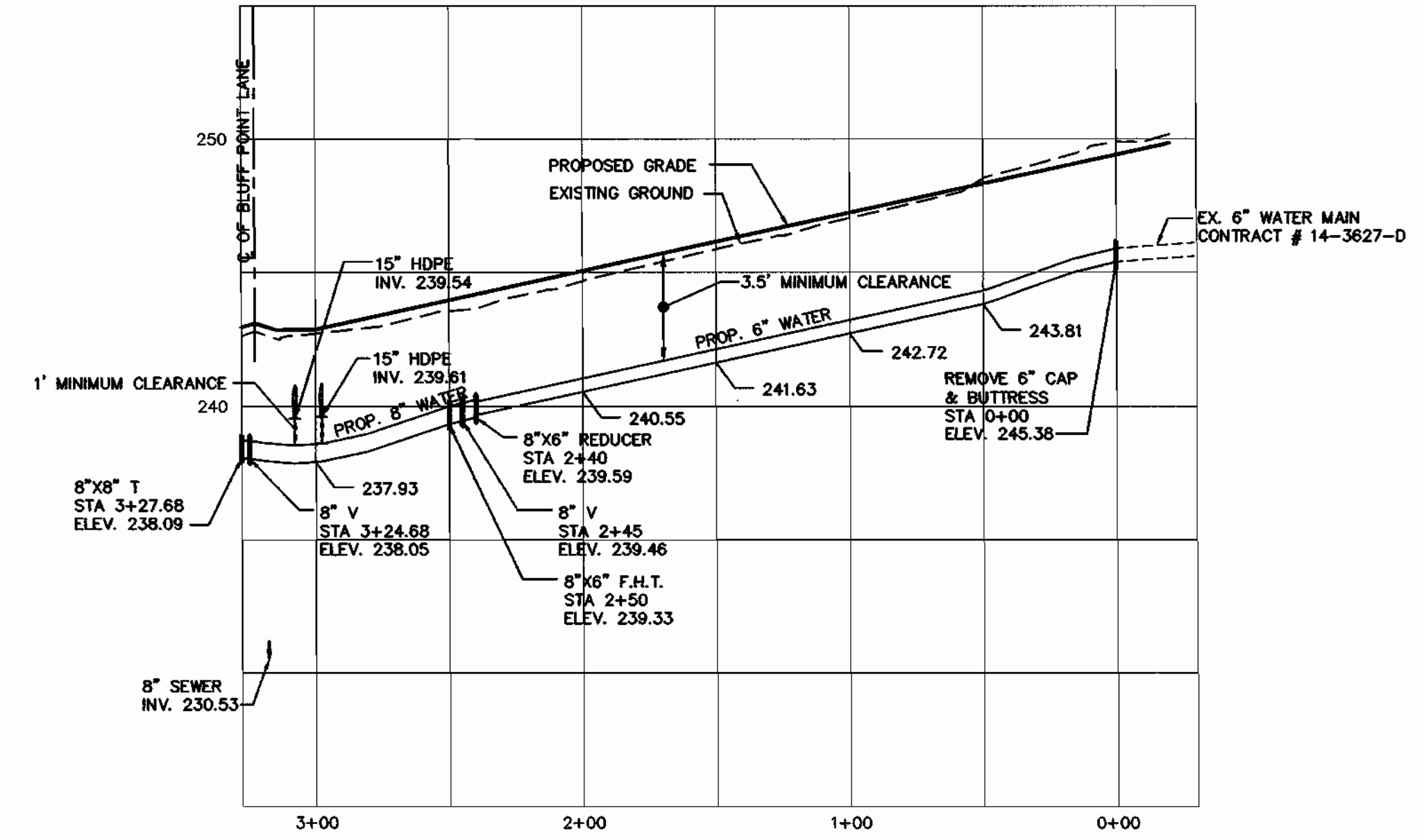
**8" WATER PROFILE
COVE POINT WAY**

HORIZONTAL SCALE : 1" = 50'
VERTICAL SCALE : 1" = 5'



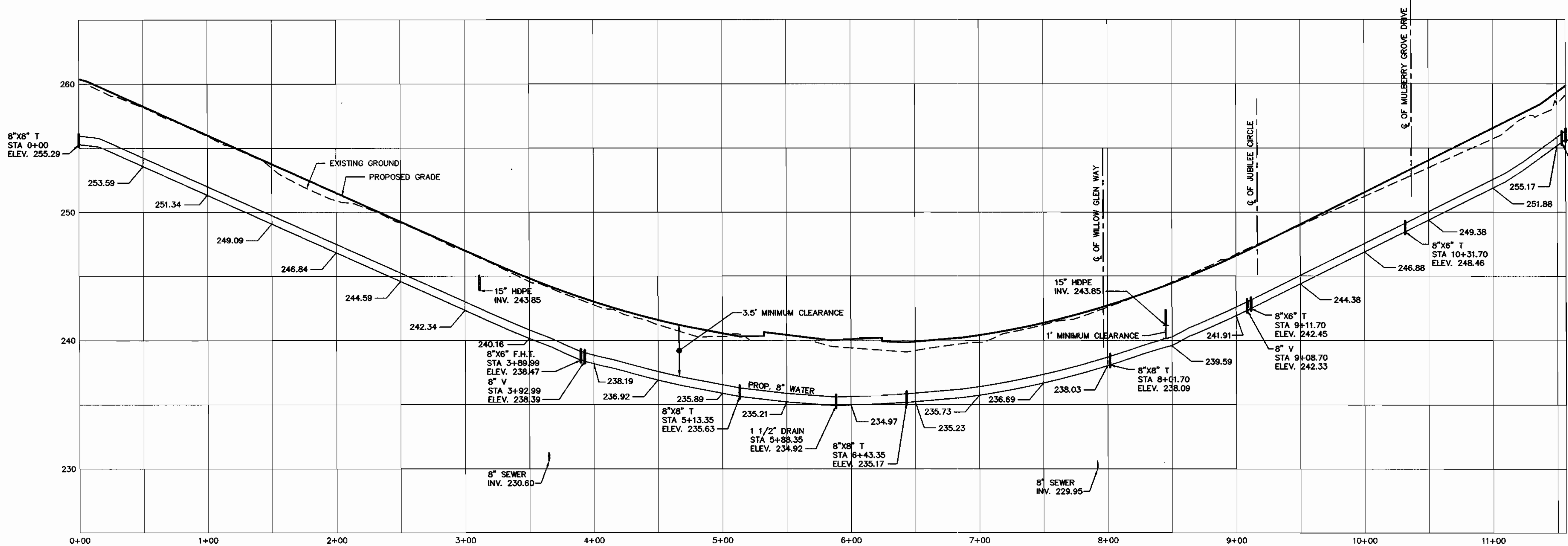
**6" WATER PROFILE
MULBERRY GROVE DRIVE**

HORIZONTAL SCALE : 1" = 50'
VERTICAL SCALE : 1" = 5'



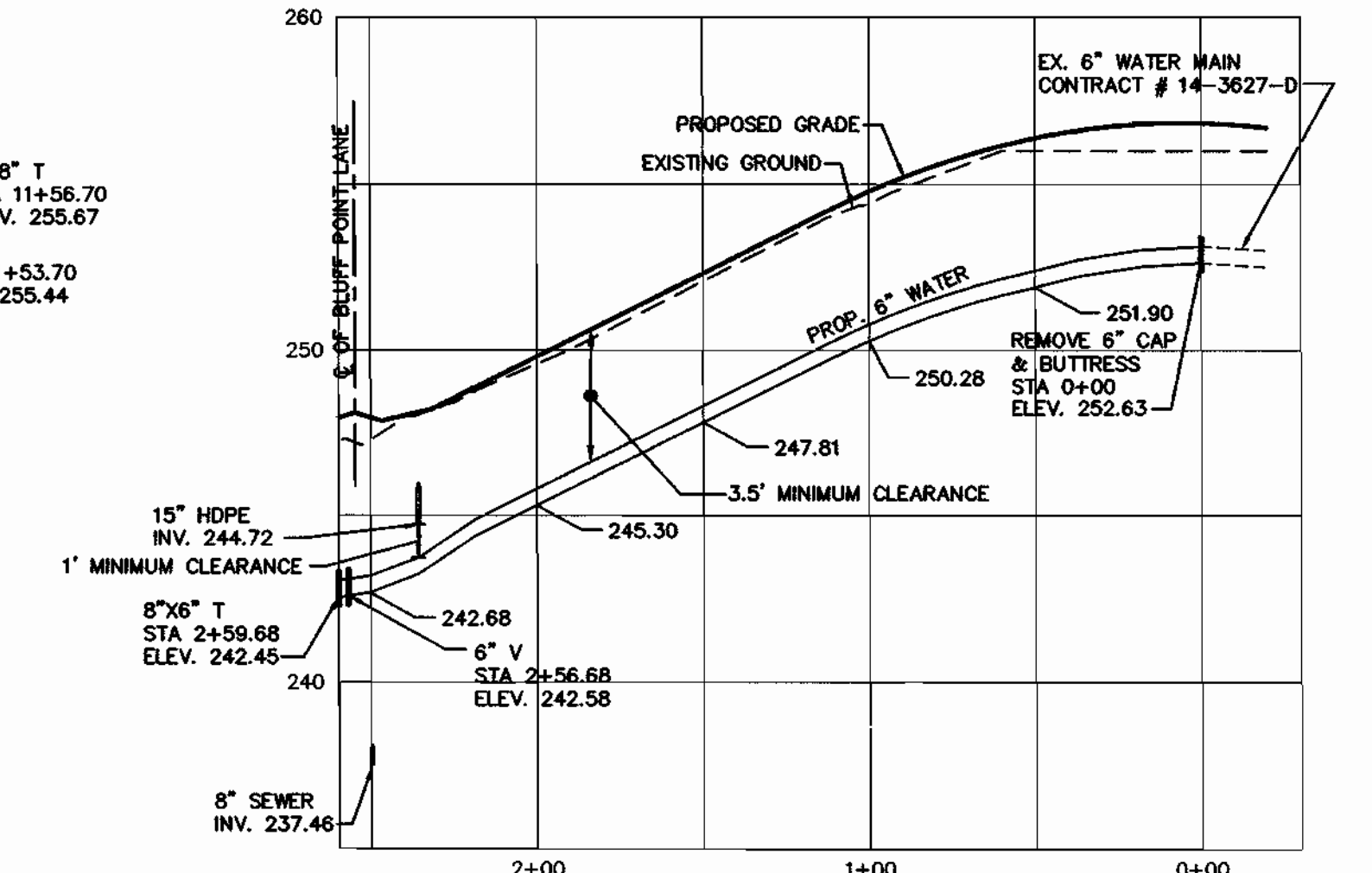
**6" & 8" WATER PROFILE
WILLOW GLEN WAY**

HORIZONTAL SCALE : 1" = 50'
VERTICAL SCALE : 1" = 5'



**8" WATER PROFILE
BLUFF POINT LANE**

HORIZONTAL SCALE : 1" = 50'
VERTICAL SCALE : 1" = 5'



**6" WATER PROFILE
JUBILEE CIRCLE**

HORIZONTAL SCALE : 1" = 50'
VERTICAL SCALE : 1" = 5'

NOTE : THE EXISTING GROUND LINE IS BASED ON THE MASS GRADING PLAN FOR CORRIDOR ONE (SDP-96-20).

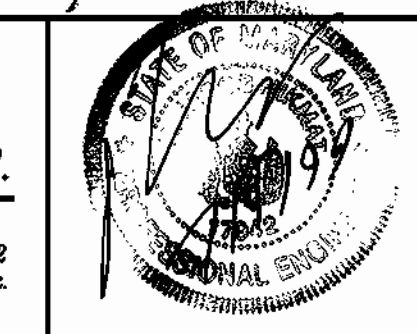
CONTRACT NO.: 14-3772-D
NEW COLONY VILLAGE - PHASE 4
WATER AND SEWER MAIN EXTENSIONS
HOWARD COUNTY, MARYLAND

94044.DWG (PHASE 4) (WS) - PROF.dwg 6-10-99 9:44:14 am EST

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
Robert B. ... 7-16-99
CHIEF, BUREAU OF UTILITIES DATE

DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND
... 7/20/99
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

**MILDENBERG,
BOENDER & ASSOC., INC.**
Engineers Planners Surveyors
5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042
(410) 997-0296 Dail (301) 821-5521 Wash (410) 997-0296 Fax



engineering	SJD				
illustration	SJD				
approval	RJH				
project	94044				
date	JULY 1999				
BY	NO.				
REVISION					
DATE					

**WATER
PROFILES**
600' SCALE MAP NO. 43 BLOCK NO. 3

NEW COLONY VILLAGE
PHASE 4 - UNITS 147 TO 236
CONTRACT # 14-3772-D
FIRST ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

scale
AS SHOWN
3 OF 4

