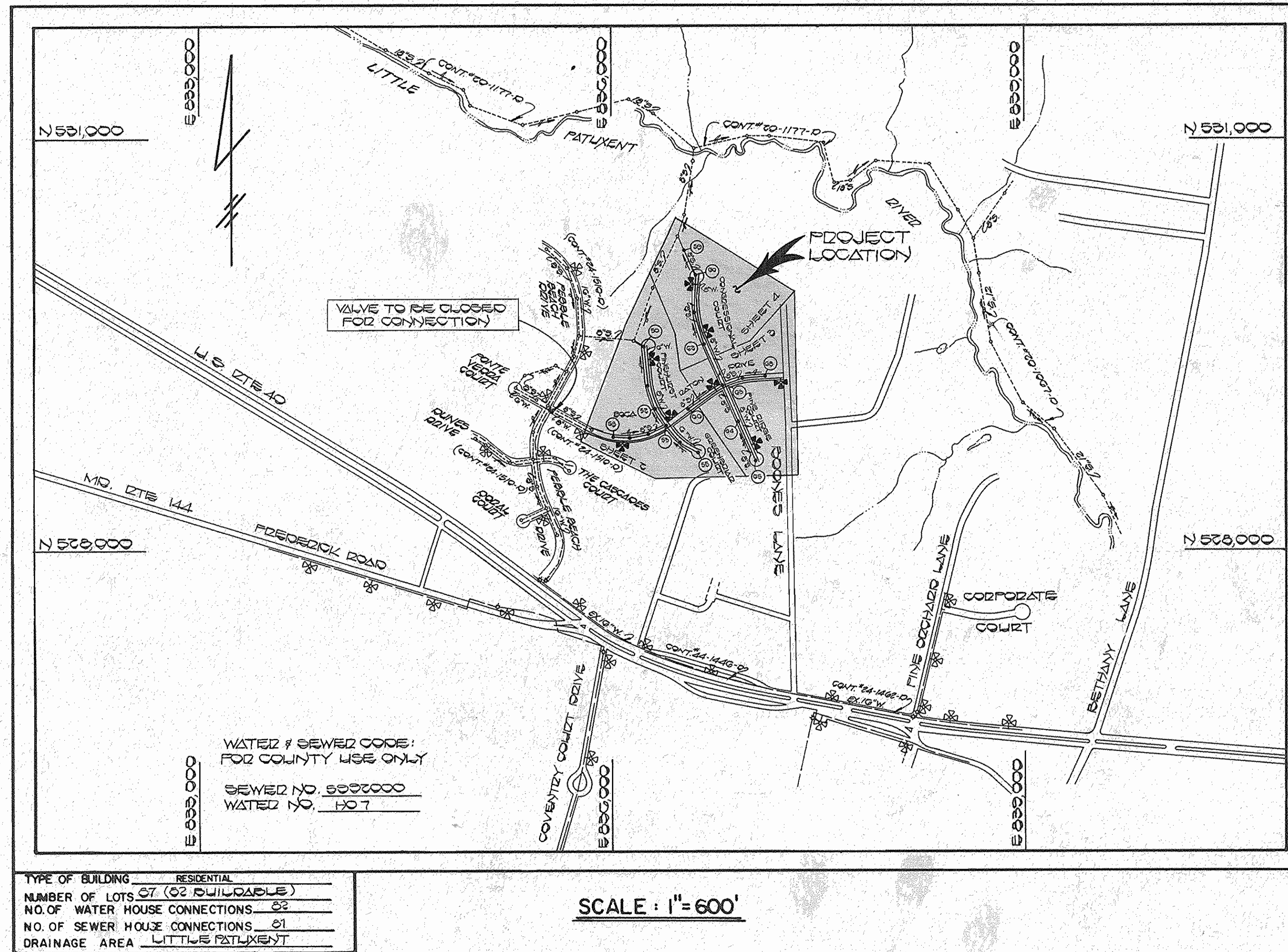


QUANTITIES			
ITEM	EST'D	AS-BUILT	SUPPLIED
MANHOLES	10 EA.	19 EA.	ATLANTIC CO. E.P.
8" SEWER	3,656 L.F.	38,84.54	A/C PIPE, INC.
6" SHC	3,189 L.F.	22,56.04	A/C PIPE, INC.
6" WATER	534 L.F.	3270.0	A/C PIPE, INC.
8" WATER	759 L.F.	710.5	A/C PIPE, INC.
PIPE HYD.	0 EA.	8 EA.	A/C PIPE, INC.
1" W/H	680 L.F.	692.5	A/C PIPE, INC.
3/4" W/H	1150 L.F.	1273.0	A/C PIPE, INC.
0" VALVES	7 EA.	7 EA.	A/C PIPE, INC.
1 1/2" COAIN	4 EA.	4 EA.	A/C PIPE, INC.
1 1/2" W	58 L.F.	139	A/C PIPE, INC.
0" VALVE (B.S.)	1 EA.	1 EA.	A/C PIPE, INC.
ROCK (COTEX)	C.Y.	860.2	ON SITE



CONTRACT NO. 24-1541-D
TURF VALLEY OVERLOOK
SECTION 1 AREA 2
WATER AND SEWER MAIN EXTENSIONS
HOWARD COUNTY, MARYLAND
DEPARTMENT OF PUBLIC WORKS

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. DATUM.
- ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
- CLEAR ALL UTILITIES BY A MINIMUM OF 6".
- FOR DETAILS NOT SHOWN ON THE DRAWINGS, AND FOR MATERIALS AND CONSTRUCTION METHODS, USE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION. 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 VERIFIED BY THE CONTRACTOR TO HIS OWN SATISFACTION. ANY DAMAGE TO EXISTING FACILITIES DUE TO THE CONTRACTOR'S NEGLIGENCE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:
 STATE HIGHWAY ADMINISTRATION : 531-5533
 BALTIMORE GAS & ELECTRIC CO.-CONTRACTOR SERVICES: 850-4620
 BALTIMORE GAS & ELECTRIC CO. UNDERGROUND DAMAGE CONTROL: 859-9004
 C & P TELEPHONE COMPANY: 1-800-257-7777
 BALTIMORE GAS & ELECTRIC CO. TROUBLE SHOOTING: 298-9001
 MISS UTILITY: 1-559-0100
 COLONIAL PIPELINE COMPANY: 795-1390
 BUREAU OF UTILITIES, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS: 992-2366
 C & P TELEPHONE COMPANY: 1-800-257-7777
- TREES AND SHRUBS ARE TO BE PROTECTED FROM DAMAGE TO 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.
- 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 1003 AND 1008 OF THE STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING WATER SYSTEM.
- FOR ALL COPPER WATER HOUSE CONNECTIONS, UTILIZE FLARED TYPED FITTINGS ONLY.
- ALL WATER HOUSE CONNECTIONS SHALL BE FOR INSIDE METER SETTING, UNLESS OTHERWISE NOTED ON THE PLANS OR IN THE SPECIFICATIONS. (STD. DETAIL W.3.21).
- WATER MAINS AND WATER HOUSE CONNECTION LINES MUST BE PLACED SO AS TO HAVE AT LEAST ONE (1) FOOT SEPARATION FROM THE SEWER MAIN OR SEWER HOUSE CONNECTION AS THEY PASS ABOUT IT.
- MANHOLES DESIGNATED W.T. IN PLAN AND PROFILE SHALL HAVE WATER-TIGHT FRAME AND COVERS STANDARD DETAIL 65.52 WHERE WATERTIGHT MANHOLE FRAME AND COVER IS USED, SET TOP OF FRAME 1'-6" ABOVE FINISHED GRADE UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- ALL SEWER MAINS SHALL BE C.S.P.X., R.C.S.P., V.C.P.X., A.C.P. CLASS 2400 OR P.V.C. UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL PROVIDE A JOINT IN ALL SEWER MAINS WITHIN 2'-0" OF EXTERIOR MANHOLE WALL.
- ALL MANHOLES SHALL BE 4'-0" INSIDE DIAMETER UNLESS OTHERWISE NOTED.
- MANHOLES SHOWN WITH 12" AND 16" WALLS ARE FOR BRICK MANHOLES ONLY.
- MANHOLES LOCATED WITHIN PROPOSED ROADWAY SHALL HAVE STANDARD HEAVY TRAFFIC MANHOLE FRAME AND COVER, STANDARD DETAIL 65.51.

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE HOWARD COUNTY DESIGN MANUAL AND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL IN DEVELOPING AREAS AND ALSO AS SHOWN ON THE GRADING AND SEDIMENT CONTROL PLAN F87-02

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

James McNeil 2-18-87
 US SOIL CONSERVATION SERVICE DATE

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

APPROVED:

Stephen L. Haber 2/18/87
 HOWARD SOIL CONSERVATION DISTRICT DATE

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND

Paul F. Nemy 2-23-87
 DIRECTOR OF PUBLIC WORKS DATE

Robert M. Boering 2-19-87
 CHIEF, BUREAU OF UTILITIES DATE

FISHER, COLLINS, AND CARTER, INC.
 CONSULTING ENGINEERS AND LAND SURVEYORS
 8388 COURT AVENUE
 ELLICOTT CITY, MARYLAND 21043



DES: R.C.S.
 DRN: R.C.S.
 CHK: T.A.F.
 DATE: 2-18-87

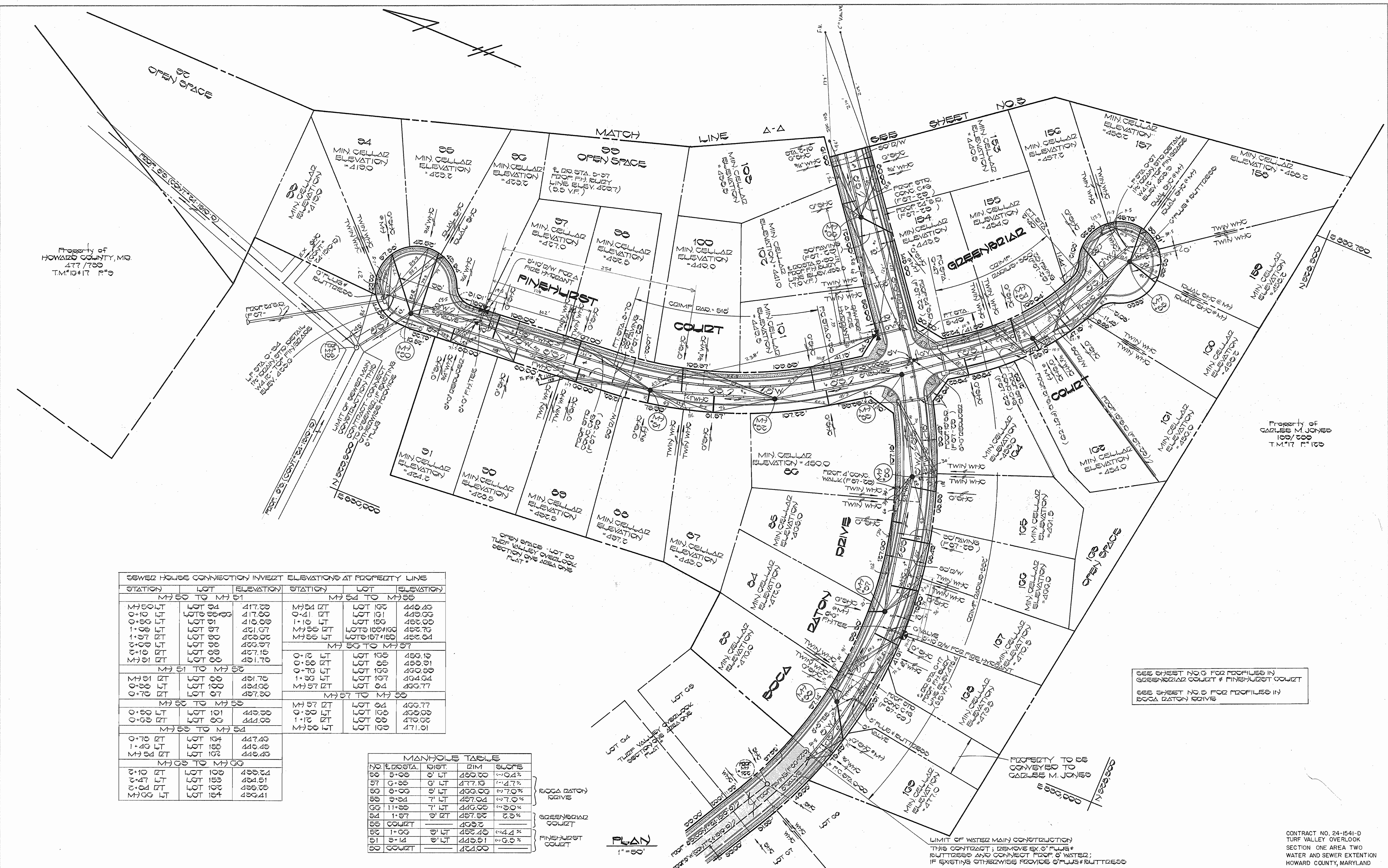
BY	NO.	REVISION	DATE

TITLE SHEET
 600' SCALE MAP NO. 12417 BLOCK NO. 2419

TURF VALLEY OVERLOOK
 SECTION ONE AREA TWO
 CONTRACT NO. 24-1541-D
 SECOND ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
 SHEET 1 OF 7

AS-BUILT



SEWER HOUSE CONNECTION INVERT ELEVATIONS AT PROPERTY LINE

STATION	LOT	ELEVATION	STATION	LOT	ELEVATION
M-750 TO M-751					
M-750 LT	LOT 84	417.00	M-754 RT	LOT 107	440.25
0+10 LT	LOT 85	417.00	0+41 RT	LOT 101	440.00
0+50 LT	LOT 91	418.00	1+10 LT	LOT 105	432.00
1+30 LT	LOT 97	421.00	M-755 RT	LOT 100	432.75
2+00 LT	LOT 98	423.00	M-755 LT	LOT 101	432.00
2+10 RT	LOT 99	427.15	M-750 TO M-757		
M-751 RT	LOT 98	431.70	0+12 LT	LOT 105	430.15
M-751 TO M-750					
M-751 RT	LOT 98	431.70	0+50 RT	LOT 98	430.91
0+30 LT	LOT 100	434.00	0+70 LT	LOT 100	430.50
0+70 LT	LOT 97	437.30	1+30 LT	LOT 107	434.04
M-750 TO M-757					
0+50 LT	LOT 101	443.00	M-757 RT	LOT 84	430.77
0+50 RT	LOT 99	444.00	0+30 LT	LOT 100	430.00
M-750 TO M-754					
0+70 RT	LOT 104	447.40	1+10 RT	LOT 100	470.00
1+40 LT	LOT 105	445.45	M-750 LT	LOT 100	471.01
M-754 RT	LOT 103	445.40	M-750 TO M-755		
2+10 RT	LOT 103	435.24	0+00 LT	LOT 84	430.00
2+47 LT	LOT 103	434.51	0+35 LT	LOT 84	430.00
2+64 RT	LOT 103	435.05	0+50 LT	LOT 84	430.00
M-755 LT	LOT 104	430.41	0+70 LT	LOT 84	430.00

MANHOLE TABLE

NO.	ELEV. STA.	DIST.	DIM.	SLOPE
50	0+00	0' LT	430.00	0.4%
57	0+35	0' LT	430.00	0.4%
58	0+50	0' LT	430.00	0.4%
59	0+64	7' LT	437.04	0.7%
60	11+35	7' LT	440.00	0.3%
64	1+57	0' RT	437.00	0.3%
65	1+00	0' LT	430.40	0.4%
61	0+14	0' LT	445.51	0.5%
50	0+00	0' LT	430.00	

SEE SHEET NO. 6 FOR PROFILES IN GREENBRIAR COURT & PINEHURST COURT
SEE SHEET NO. 5 FOR PROFILES IN BOCA DATON DRIVE

LIMIT OF WATER MAIN CONSTRUCTION THIS CONTRACT; REMOVE EX. 6" PLUG & BUTTRESS AND CONNECT FOOT. & WATER; IF EXISTING OTHERWISE PROVIDE 6" PLUG & BUTTRESS

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
Director of Public Works: *Robert M. Bainger* DATE: 2-19-87
Chief, Bureau of Engineering: *Robert M. Bainger* DATE: 2-19-87
Chief, Land Development Division: *Robert M. Bainger* DATE: 2-19-87

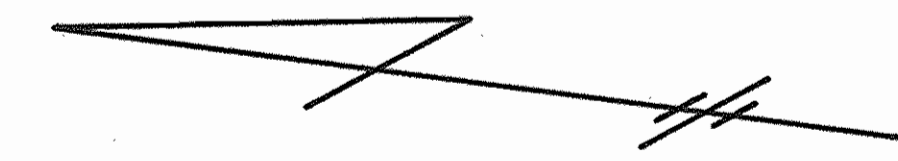
FISHER, COLLINS AND CARTER, INC.
CONSULTING ENGINEERS AND LAND SURVEYORS
8388 COURT AVENUE
ELLICOTT CITY, MARYLAND 21043
TERRELL A. FISHER DATE: 2-19-87

DES: R.D.S.	
DRN: R.D.S.	
CHK: T.A.F.	
DATE: 2-19-87	
BY: NO.	
REVISION	
DATE	

PLAN
WATER AND SEWER MAINS
600' SCALE MAP NO. 10 17 BLOCK NO. 24 10

TURF VALLEY OVERLOOK
SECTION ONE AREA TWO
CONTRACT NO. 24-1541-D
SECOND ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
SCALE AS SHOWN
SHEET 2 OF 2

5037.500
00392.00

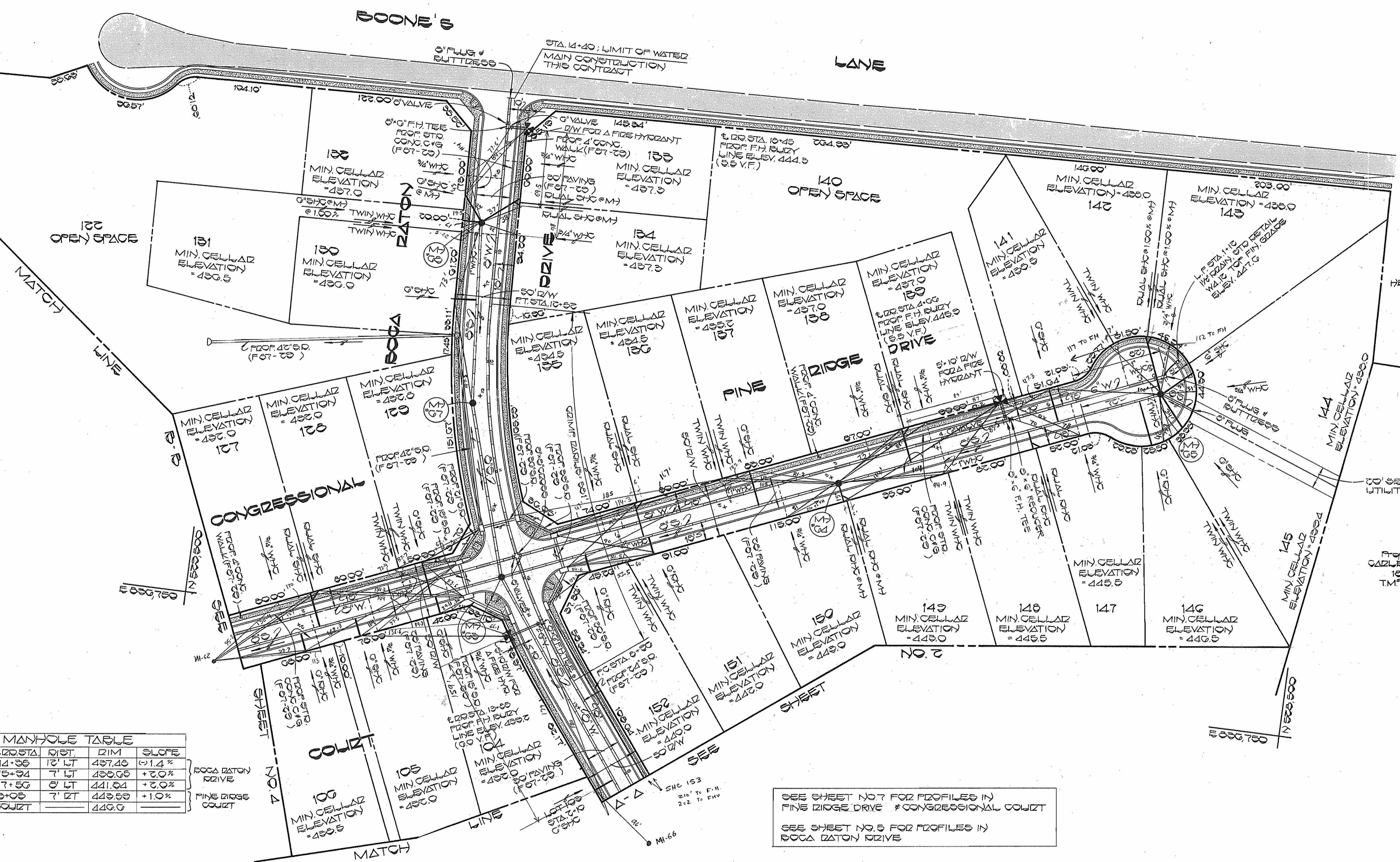


Property of
BOARD OF
COUNTY COMMISSIONERS
437/340
TM#17 P#503

Property of
HOWARD COUNTY, MD.
477/733
TM#10#17 P#9

Property of
HELMAN FERRELSON
503/033
TM#17 P#534

Property of
CARLEE M. JONES
100/708
TM#17 P#103



SEWER HOUSE CONNECTION
INVERT ELEVATIONS AT PROPERTY LINE

STATION	LOT	ELEV.
M702 TO M703		
0+33 DT (DHC)	LOT 100	439.30
1+15 LT	LOTS 101#102	430.50
1+45 DT	LOT 103	430.47
2+21 LT	LOT 123	437.00
2+35 DT	LOT 104	437.01
M703 TO M704		
0+75 DT (DHC)	LOT 132	434.30
1+35 LT	LOTS 133#134	430.00
1+35 DT (DHC)	LOT 131	430.14
2+21 LT	LOT 137	430.14
M704 DT (DHC)	LOTS 135#136	437.30
M704 TO M705		
M704 DT (DHC)	LOTS 137#138	437.30
0+00 LT	LOTS 139#140	431.57
1+75 DT (DHC)	LOTS 147#148	439.00
2+00 LT	LOT 141	432.00
2+30 DT (DHC)	LOT 146	440.00
M705 DT	LOT 145	434.07
M705 (1.0%)	LOTS 144	433.71
M705 LT (1.0%)	LOTS 142#143	433.00
M707 TO M708		
0+33 LT	LOT 130	430.01
M708 LT (1.0%)	LOT 131	430.50
M708 LT	LOT 132	431.01
M708 DT	LOTS 133#134	431.30

MANHOLE TABLE

NO.	ELEV. STA.	DIST.	DIM.	SLOPE
06	14+36	12' LT	437.46	+1.4%
07	15+34	7' LT	439.00	+2.0%
08	17+50	8' LT	441.04	+2.0%
04	3+05	7' DT	443.00	+1.0%
05	COURT		440.00	

BOCA DATON DRIVE
FINE RIDGE COURT

SEE SHEET NO. 7 FOR PROFILES IN FINE RIDGE DRIVE & CONGRESSIONAL COURT
SEE SHEET NO. 5 FOR PROFILES IN BOCA DATON DRIVE

PLAN
1"=50'

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

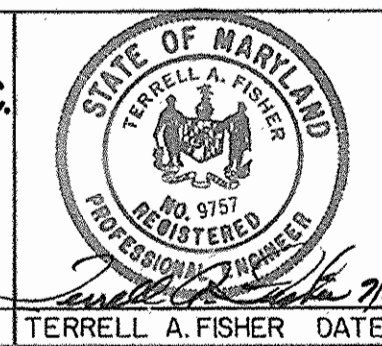
David F. Nemy 2-23-87
DIRECTOR OF PUBLIC WORKS DATE

Robert M. Davison 2-19-87
CHIEF, BUREAU OF UTILITIES DATE

K. William B. Ray 2-20-87
CHIEF, BUREAU OF ENGINEERING DATE

CHIEF, LAND DEVELOPMENT DIVISION DATE

FISHER, COLLINS AND CARTER, INC.
CONSULTING ENGINEERS AND LAND SURVEYORS
8388 COURT AVENUE
ELLCOTT CITY, MARYLAND 21043



DES: D.B.S.	
DRN: D.B.S.	
CHK: T.A.F.	
DATE: 2-2-87	
BY: NO.	REVISION
DATE:	

PLAN
WATER AND SEWER MAINS

600' SCALE MAP NO. 10 17 BLOCK NO. 24 10

TURF VALLEY OVERLOOK
SECTION ONE AREA TWO
CONTRACT NO. 24-1541-D
SECOND ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

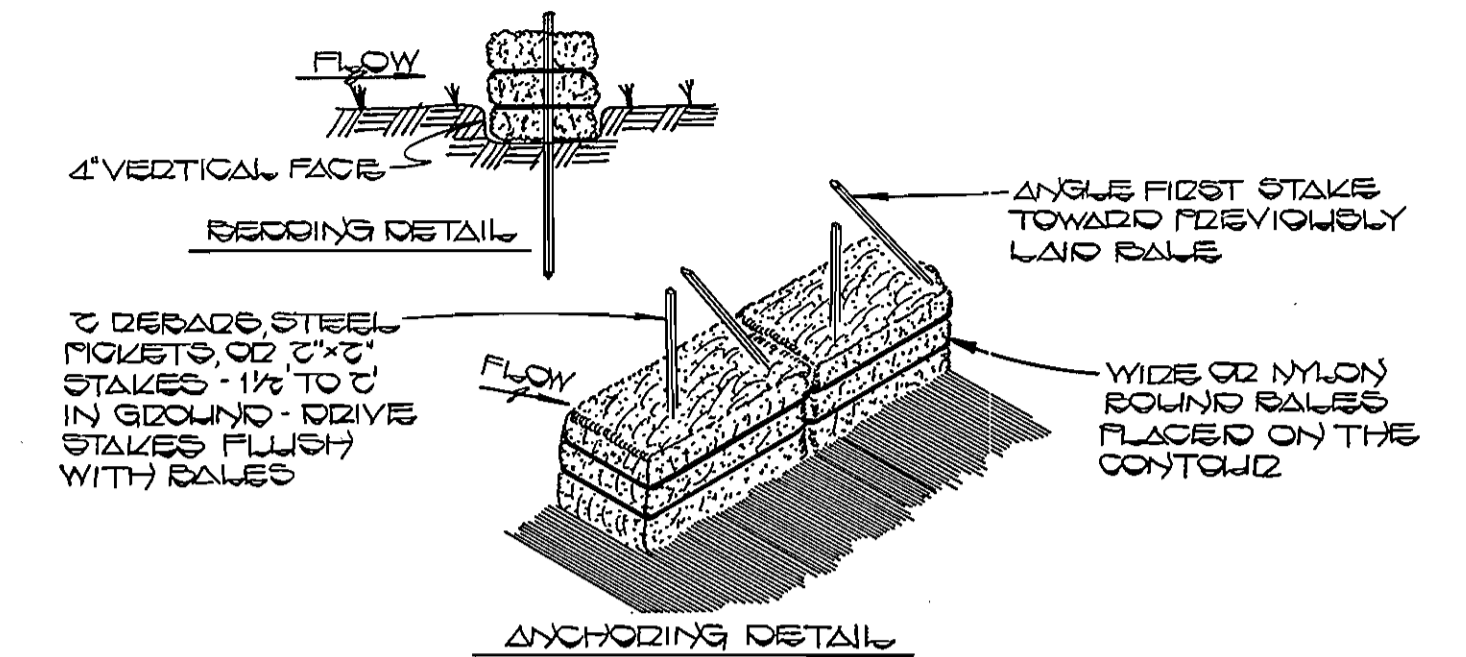
SCALE AS SHOWN
SHEET 2 OF 7

CONTRACT NO. 24-1541-D
TURF VALLEY OVERLOOK
SECTION ONE AREA TWO
WATER AND SEWER EXTENSION
HOWARD COUNTY, MARYLAND

AS-BUILT

Property of
HOWARD COUNTY, MD
477 / 750
T.M. 10+17 P.O.

Property of
HOWARD COUNTY, MD
477 / 750
T.M. 10+17 P.O.



CONSTRUCTION SPECIFICATIONS

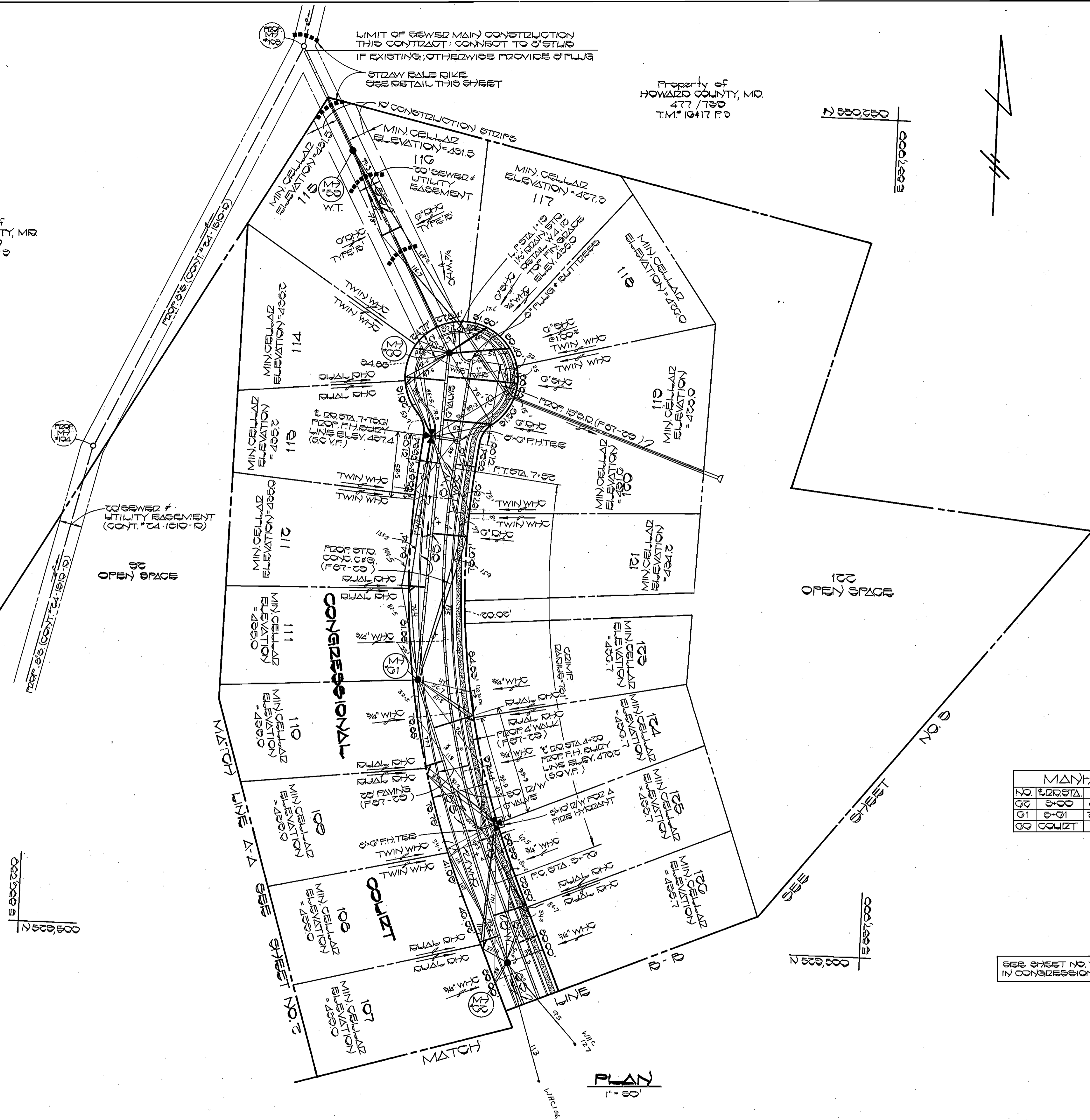
1. BALES SHALL BE PLACED AT THE TOE OF A SLOPE OR ON THE CONTOUR AND IN A ROW WITH ENDS TIGHTLY ADJUTTING THE ADJACENT BALES.
2. EACH BALE SHALL BE EMBEDED IN THE SOIL A MINIMUM OF (4) INCHES AND PLACED SO THE RINGS ARE HORIZONTAL.
3. BALES SHALL BE SECURELY ANCHORED IN PLACE BY EITHER TWO STAKES OR BE RAMP DRIVEN THROUGH THE BALE. THE FIRST STAKE IN EACH BALE SHALL BE DRIVEN TOWARD PREVIOUSLY LAID BALE AT AN ANGLE TO FORCE THE BALE TOGETHER. STAKES SHALL BE DRIVEN FLUSH WITH THE BALE.
4. INSPECTION SHALL BE FREQUENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
5. BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPERE STORM FLOW OR DRAINAGE.

STRAW BALE DIKE
NO SCALE

MANHOLE TABLE			
NO.	ELEV. STA.	DIAM.	SLOPE
00	5+00	60" LT	441.17 +1.34%
01	5+01	30" LT	440.08 +1.50%
00	COLLZT		434.0

SEWER HOUSE CONNECTION INVERT ELEVATIONS AT PROPERTY LINE		
STATION	LOT	ELEV.
MH 59 TO MH 60		
0+00 (D/C)	LOTS 115 & 116	422.70
MH 60 LT	LOT 117	422.00
MH 60 LT	LOT 118	422.22
MH 60 TO MH 61		
MH 60 LT	LOT 117	422.00
MH 60 LT	LOT 118	422.22
0+01 LT	LOT 119	422.97
0+02 DT (D/C)	LOTS 119 & 114	422.74
0+03 LT (D/C)	LOT 120	422.40
1+02 LT (D/C)	LOT 121	422.04
2+10 LT (D/C)	LOTS 111 & 112	422.22
MH 61 TO MH 62		
0+25 LT (D/C)	LOTS 122 & 121	421.30
0+75 DT (D/C)	LOTS 122 & 110	422.24
2+01 LT (D/C)	LOTS 123 & 122	422.14
2+40 DT (D/C)	LOTS 127 & 128	422.30

SEE SHEET NO. 7 FOR PROFILES
IN CONGRESSIONAL COLLZT



PLAN
1" = 60'

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

David F. Nemy 2-23-81
DIRECTOR OF PUBLIC WORKS DATE

Richard B. Berman 2-19-87
CHIEF, BUREAU OF UTILITIES DATE

Richard B. Berman 2-20-87
CHIEF, BUREAU OF ENGINEERING DATE

Richard B. Berman
CHIEF, LAND DEVELOPMENT DIVISION DATE

FISHER, COLLINS AND CARTER, INC.
CONSULTING ENGINEERS AND LAND SURVEYORS
8388 COURT AVENUE
ELLCOTT CITY, MARYLAND 21043

STATE OF MARYLAND
TERRELL A. FISHER
REGISTERED PROFESSIONAL ENGINEER
NO. 10107

DES: R.B.S.
DRN: R.B.S.
CHK: T.A.F.
DATE: 2-2-87

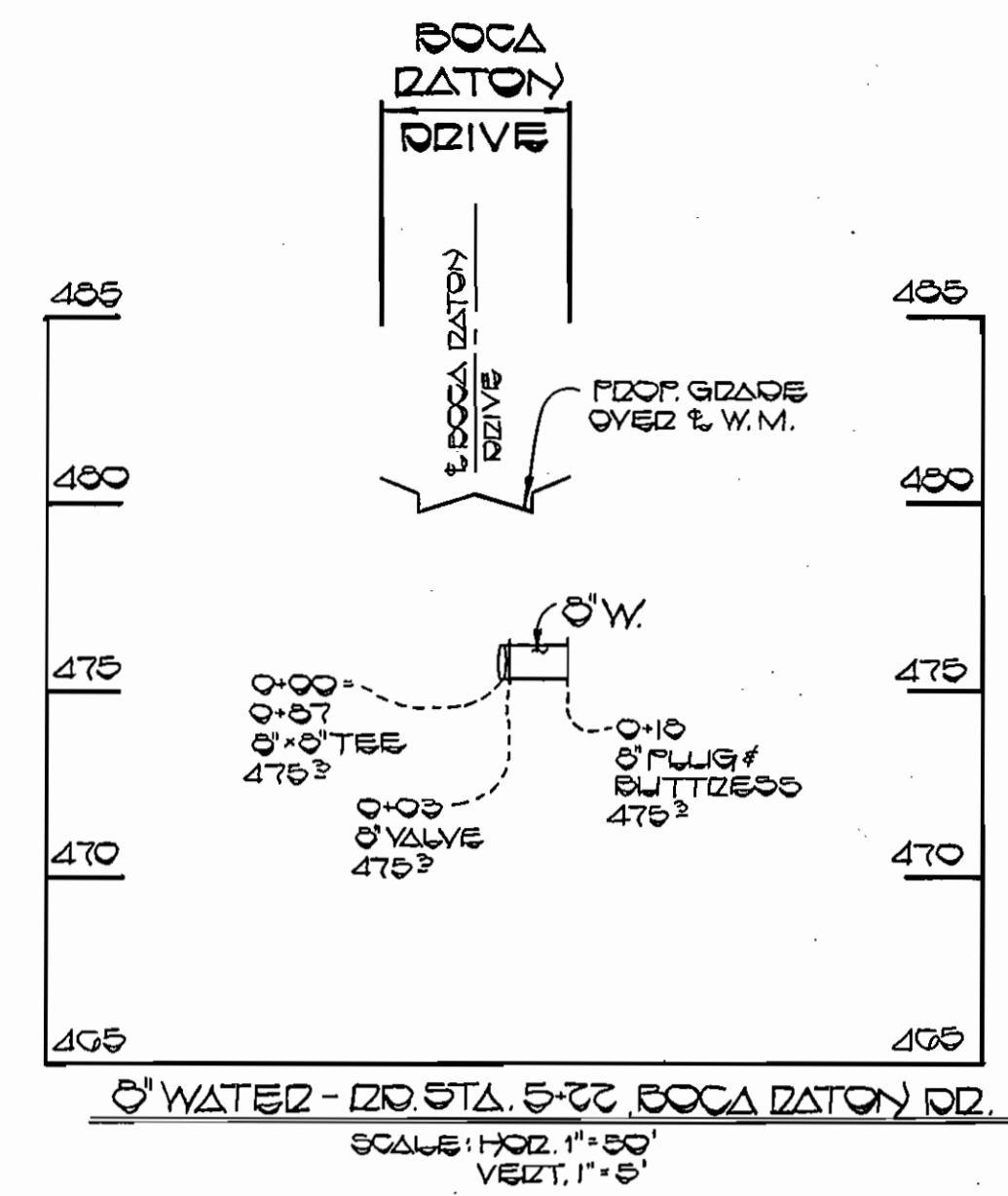
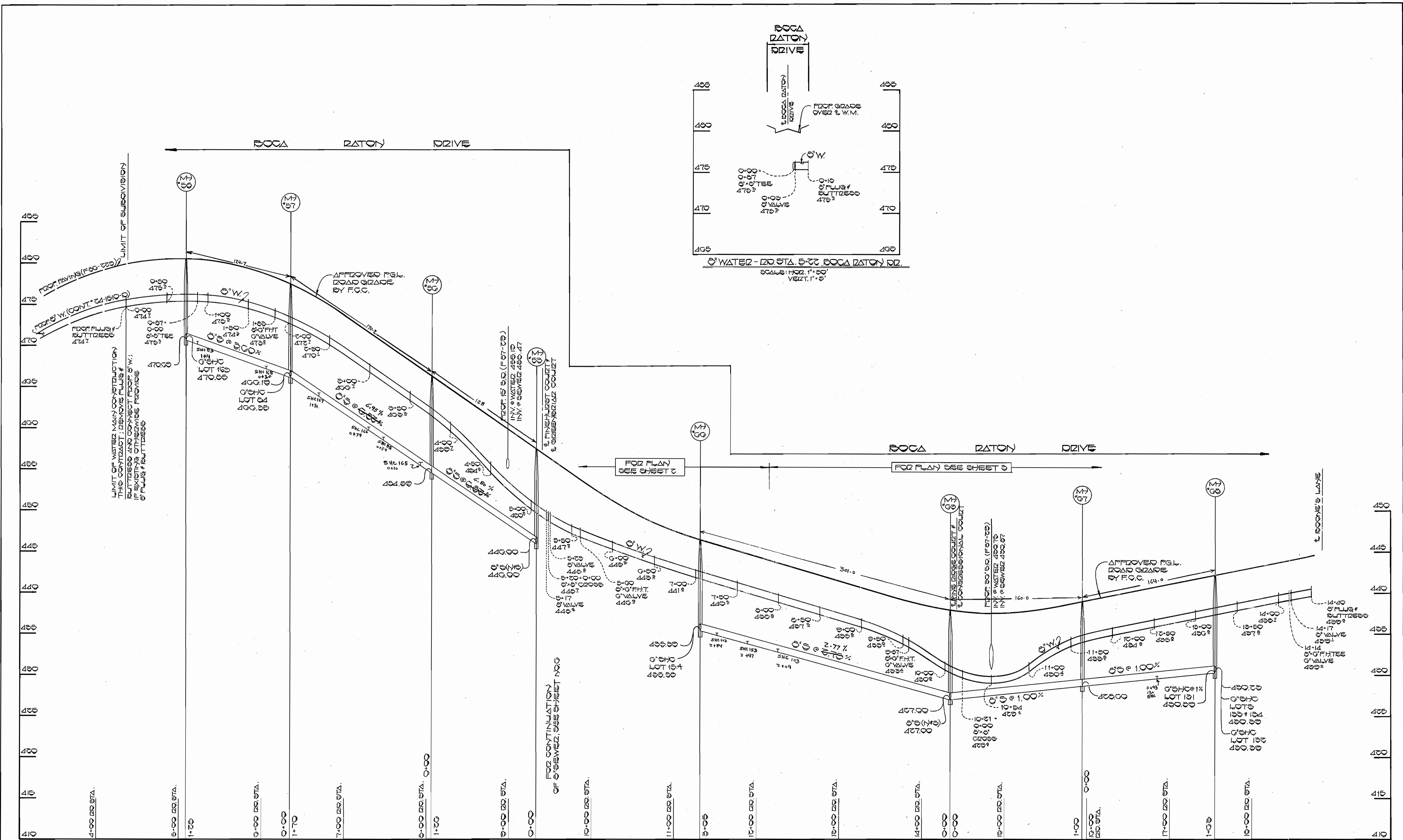
BY	NO.	REVISION	DATE

PLAN
WATER AND SEWER MAINS

600' SCALE MAP NO. 10 17 BLOCK NO. 24 10

TURF VALLEY OVERLOOK
SECTION ONE AREA TWO
CONTRACT NO. 24-1541-D
SECOND ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
SHEET 4 OF 7



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

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

George F. Nalley 2-23-87
DIRECTOR OF PUBLIC WORKS DATE

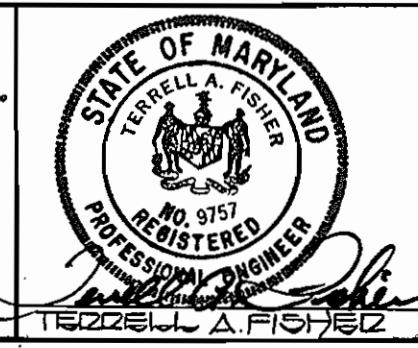
Robert Deinger 2-19-87
CHIEF, BUREAU OF UTILITIES DATE

Richard B. Boyd 2-20-87
CHIEF, BUREAU OF ENGINEERING DATE

William H. 2-20-87
CHIEF, LAND DEVELOPMENT DIVISION DATE

FISHER, COLLINS AND CARTER, INC.
CONSULTING ENGINEERS AND LAND SURVEYORS

8388 COURT AVENUE
ELLCOTT CITY, MARYLAND 21043



DES: R.D.S.			
DRN: R.D.S.			
CHK: T.A.F.			
DATE: 2-2-87	BY: NO.	REVISION	DATE

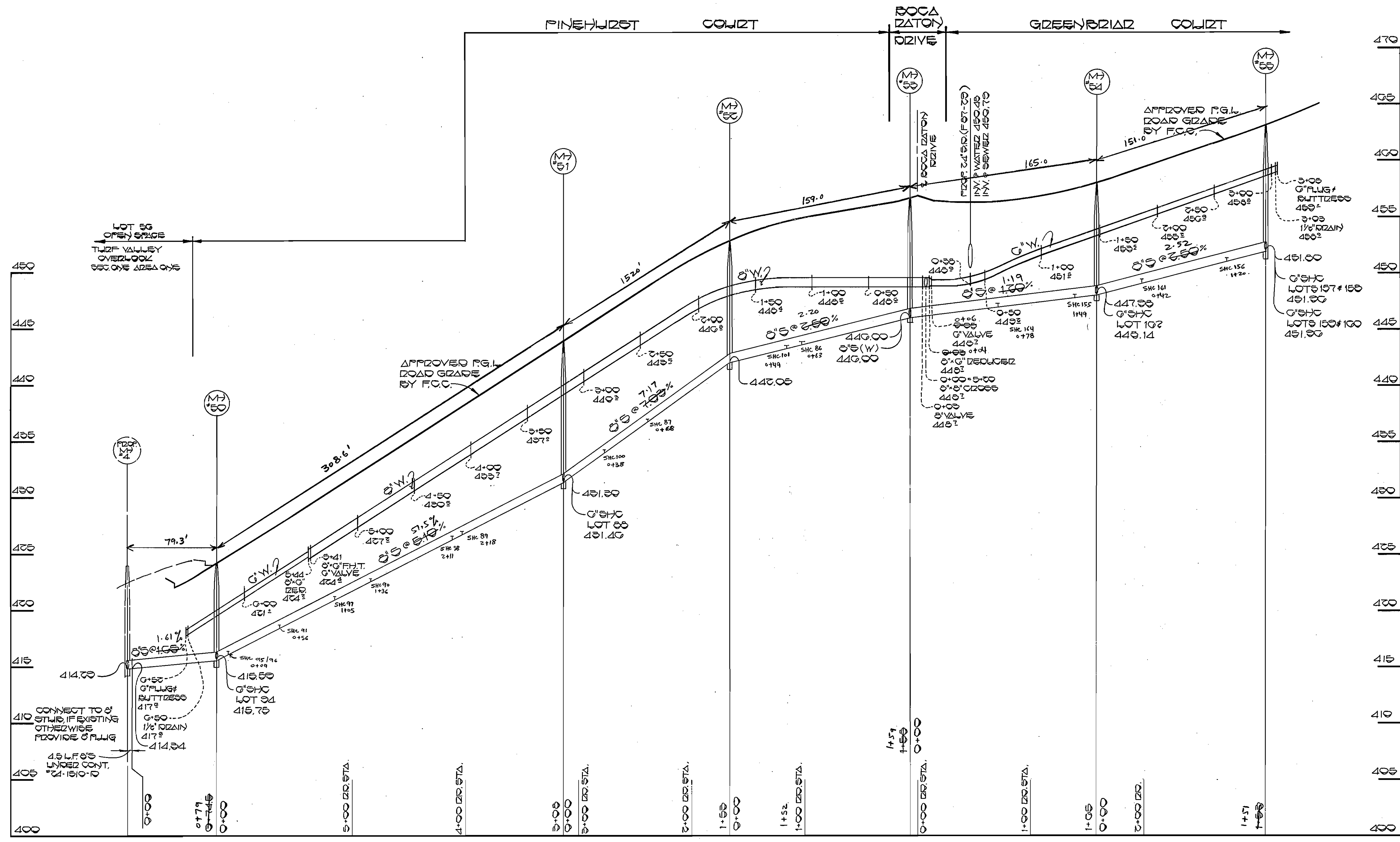
PROFILE
WATER AND SEWER MAINS

600' SCALE MAP NO. 10 17 BLOCK NO. 34 15

TURF VALLEY OVERLOOK
SECTION ONE AREA TWO
CONTRACT NO. 24-1541-D
SECOND ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
SHEET 5 OF 7

FOR PLAN SEE SHEET 7



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

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

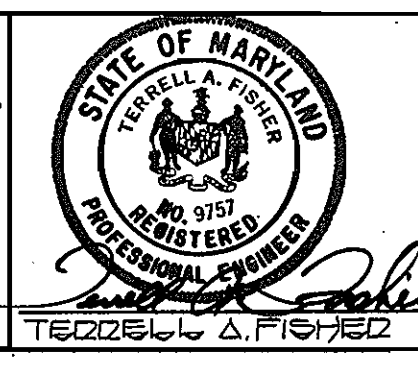
Wayne F. Neuman 2-23-87
DIRECTOR OF PUBLIC WORKS DATE

Robert B. ... 2-19-87
CHIEF, BUREAU OF UTILITIES DATE

... 2-20-87
CHIEF, BUREAU OF ENGINEERING DATE

... 2-20-87
CHIEF, LAND DEVELOPMENT DIVISION DATE

FISHER, COLLINS AND CARTER, INC.
CONSULTING ENGINEERS AND LAND SURVEYORS
8388 COURT AVENUE
ELLCOTT CITY, MARYLAND 21043



DES: R.R.S.	
DRN: R.R.S.	
CHK: T.A.F.	
DATE: 2-2-87	
BY: NO.	
REVISION	
DATE	

PROFILE
WATER AND SEWER MAINS

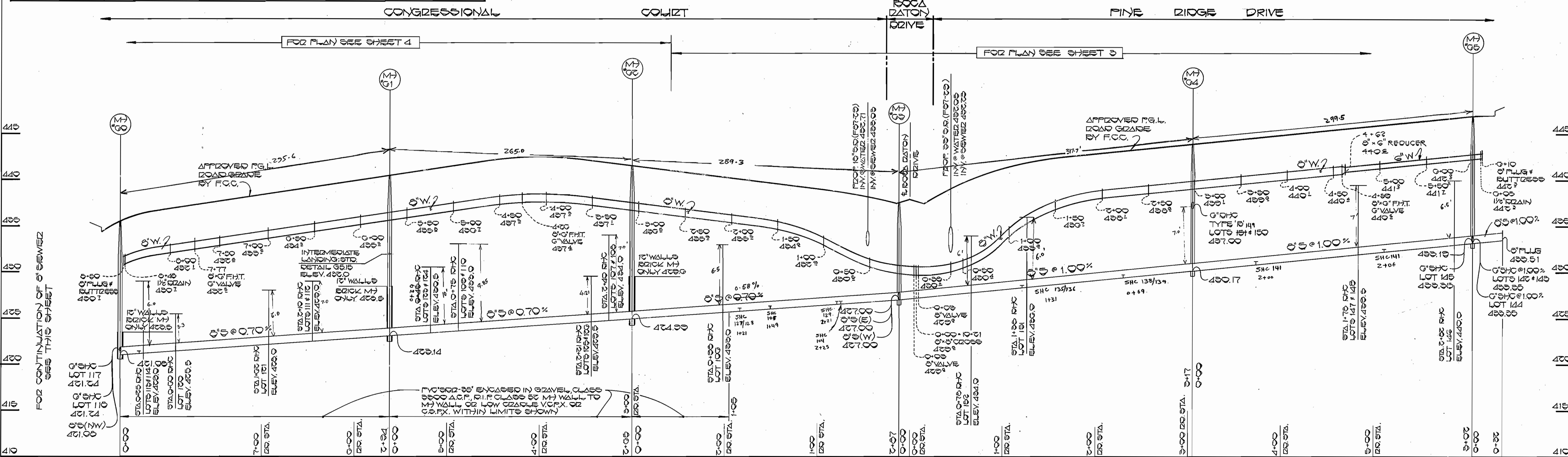
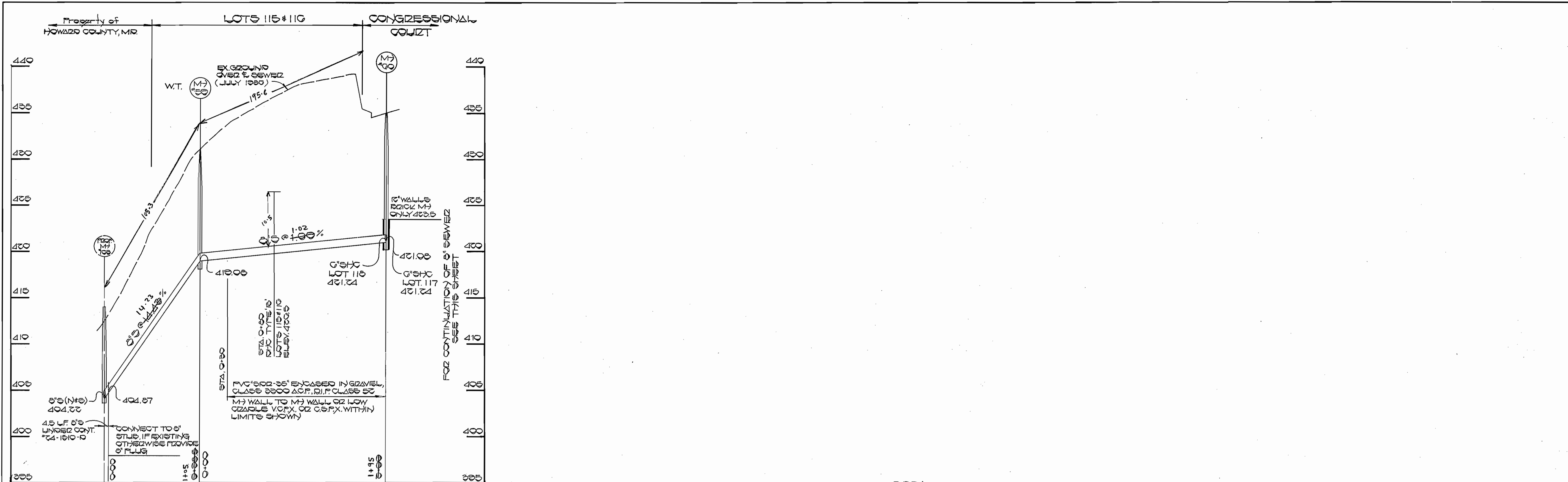
600' SCALE MAP NO. 10 17 BLOCK NO. 24 10

TURF VALLEY OVERLOOK
SECTION ONE AREA TWO
CONTRACT NO. 24-1541-D
SECOND ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
SHEET 6 OF 7

BRUNING 44-132 69 850

AS-BUILT



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

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

W. F. Noyes 2-23-87
DIRECTOR OF PUBLIC WORKS DATE

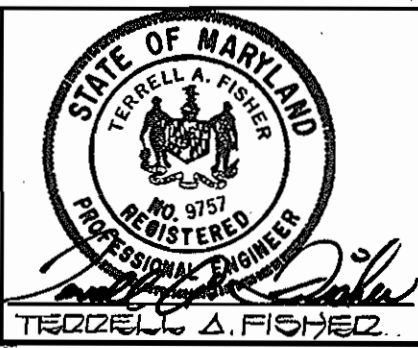
Richard B. ... 2-19-87
CHIEF, BUREAU OF UTILITIES DATE

William R. ... 2-20-87
CHIEF, BUREAU OF ENGINEERING DATE

... 2-20-87
CHIEF, LAND DEVELOPMENT DIVISION DATE

FISHER, COLLINS AND CARTER, INC.
CONSULTING ENGINEERS AND LAND SURVEYORS

8388 COURT AVENUE
ELLCOTT CITY, MARYLAND 21043



DES: R.R.S.					
DRN: R.R.S.					
CHK: T.A.F.					
DATE: 2-2-87	BY:	NO.:	REVISION:	DATE:	

PROFILE
WATER AND SEWER MAINS

600' SCALE MAP NO. 16 17 BLOCK NO. 24 18

TURF VALLEY OVERLOOK
SECTION ONE AREA TWO
CONTRACT NO. 24-1541-D
SECOND ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
SHEET 7 OF 7