

CONTRACT 2556-D-W&S
VILLAGE OF HICKORY RIDGE
SECTION 1, AREA 2
HOWARD COUNTY, MARYLAND
DEPARTMENT OF PUBLIC WORKS

TWIN WATER HOUSE CONNECTIONS	
LOCATIONS	LOTS
Ferryboat Circle	3-4, 5-6
KiteLine Ct.	31-32, 33-34
Frostwork Row	20-21
Tailcoat Way	132-133, 134-135
Sixpence Cir.	181-184, 168-169
Lograft	109-110, 111-112, 113-114
Whitewasher	160-161, 158-159
Launcelot La.	55-56, 57-58
Crossbeam Cir.	36-37, 101-102
Triplefeather	66-67, 68-69, 73-77
Maypole Way	72-73, 72-73, 74-76
Buglenote Way	88-89, 90-91, 92-93
Eclipse Way	210-211, 212-213
Bluearrow Rd.	128-129
Sternwheel Pl.	233-234, 235-236
Drass Knob	220-227
Snuffbox Terr.	270-271
Red Keel	201-202
Schoolmaster Pl.	245-246, 247-248, 250-251
Currycomb Ct.	42-43, 44-45
TOTAL	40 TW. HSE CONNS.

See Howard County Standard Detail W-25E

QUANTITIES	
ITEM	QUANTITY
8" SEWER	10,860 L.F.
8" WATER	10,896 L.F.
6" WATER	9,232 L.F.
12" WATER	1,610 L.F.
FIRE HYDRANTS	40



Paul Lee

MATZ, CHILDS & ASSOCIATES, INC.
 ENGINEERS
 1020 CROMWELL BRIDGE ROAD
 BALTIMORE, MARYLAND 21204

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 DATE: 10-10-73
W. O. Silbert
 CHIEF BUREAU OF ENGINEERING

CONTRACT NO. 2556-D-W&S

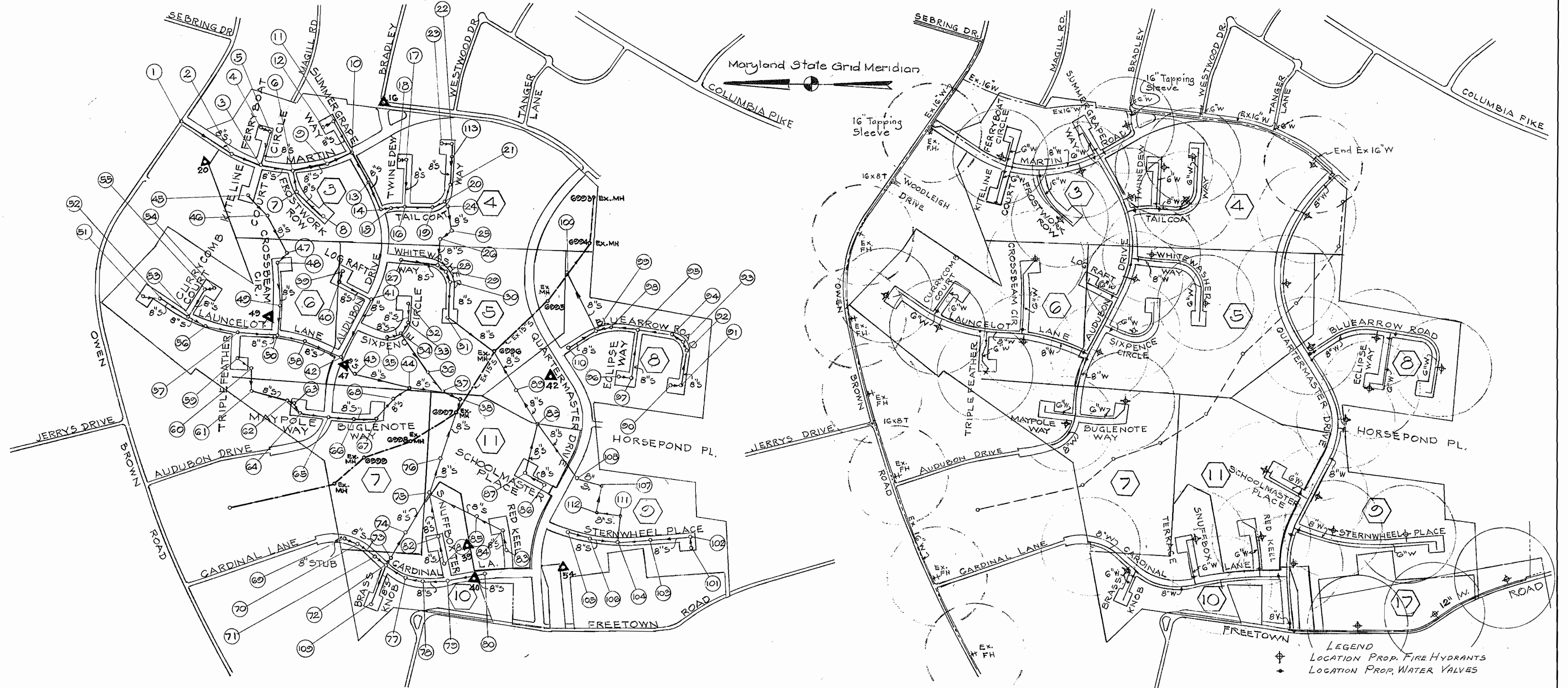
LOCATION MAP OF WATER
 & SEWER MAIN EXTENSIONS

COLUMBIA
 VILLAGE OF HICKORY RIDGE - SECT. 1, AREA 2
 ELECTION DISTRICT - CLARKSVILLE NO. 5

DRAWING NO. 1 OF 17
 SCALE 1" = 400'

SEPT. 1974

WS 556 W&S/1



LOCATION PLAN
SANITARY LINES
Scale: 1"=400'

LOCATION PLAN
FIRE HYDRANT LOCATION & VALVE MAIN LINE
Scale 1"=400'

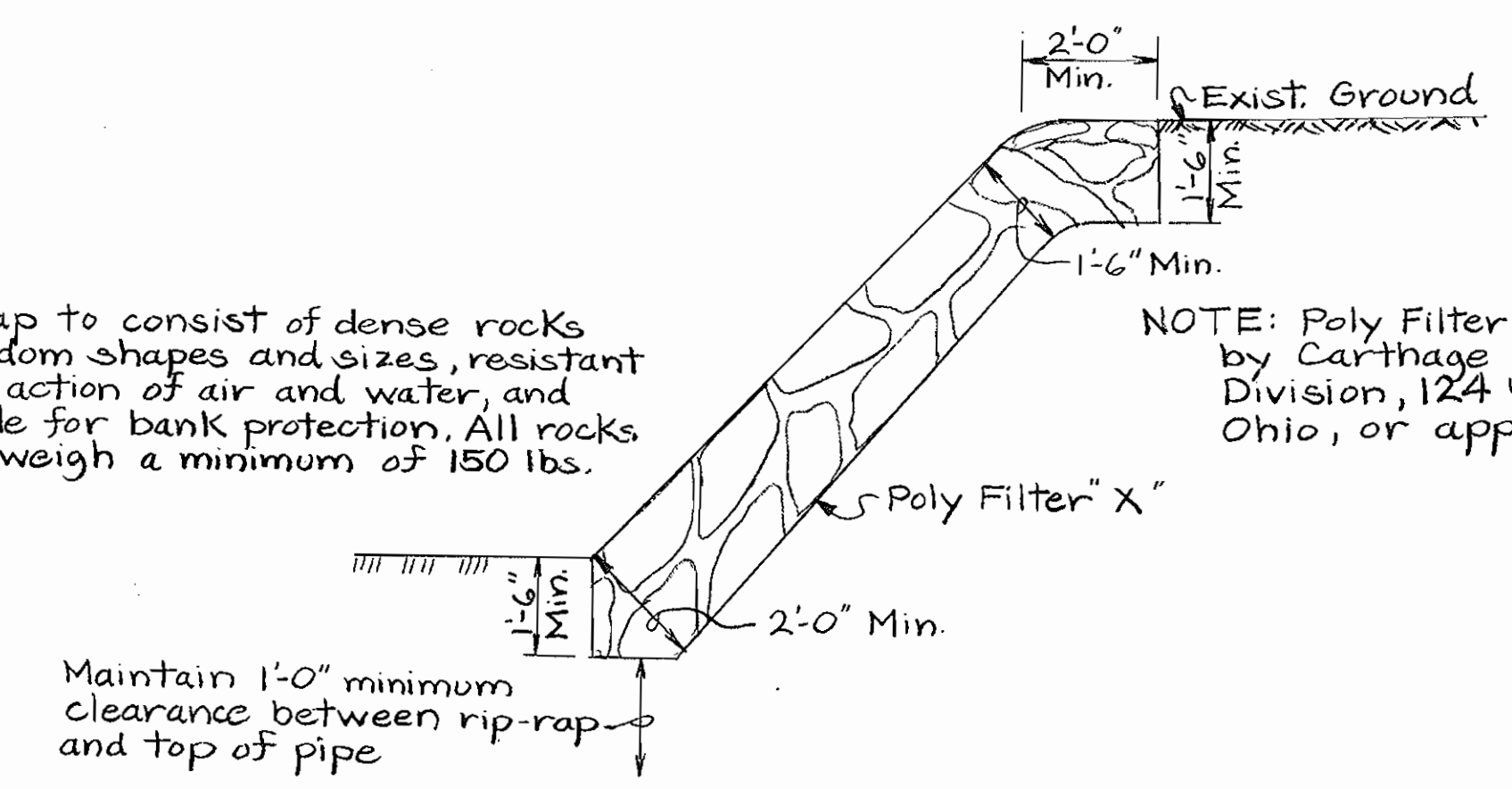
LEGEND
 * LOCATION PROP. FIRE HYDRANTS
 + LOCATION PROP. WATER VALVES

- B.M. 16 Elev. 387.73
1/2" Pipe 145' ± Left Sta. 15+00 ± Martin Rd.
- B.M. 20 Elev. 392.28
Iron Pin 150' ± Right Sta. 2+85 ± Martin Rd.
- B.M. 33 Elev. 372.53
Stone 200' ± Right Sta. 4+30 ± Cardinal Lane
- B.M. 43 Elev. 369.56
35' ± Left Sta. 0+95 ± Crossbeam Circle

- B.M. 40 Elev. 383.75
3/4" Pipe 20' ± Left Sta. 4+15 ± Cardinal Lane
- B.M. 42 Elev. 372.98
1/2" Pipe 120' ± Left Sta. 17+45 ± Quarterstaff Road
- B.M. 54 Elev. 397.455
1/2" Pipe 170' ± Right Sta. 3+90 ± Quarterstaff Road
- B.M. 47 Elev. 361.91
3/4" Pipe 18' ± Left Sta. 14+45 ± Audubon Lane.

Rip-Rap to consist of dense rocks of random shapes and sizes, resistant to the action of air and water, and suitable for bank protection. All rocks shall weigh a minimum of 150 lbs.

NOTE: Poly Filter "X" shall be as manufactured by Carthage Mills, Inc., Erosion Control Division, 124 W. 66th Street, Cincinnati, Ohio, or approved equal.



RIP-RAP DETAIL
Scale: 3/8"=1'-0"

VILLAGE OF HICKORY RIDGE
SECTION 1 AREA 2
CONTRACT 235G-D-W&S

MATZ, CHILDS & ASSOCIATES, INC.
ENGINEERS
1020 CROMWELL BRIDGE ROAD
BALTIMORE, MARYLAND 21204

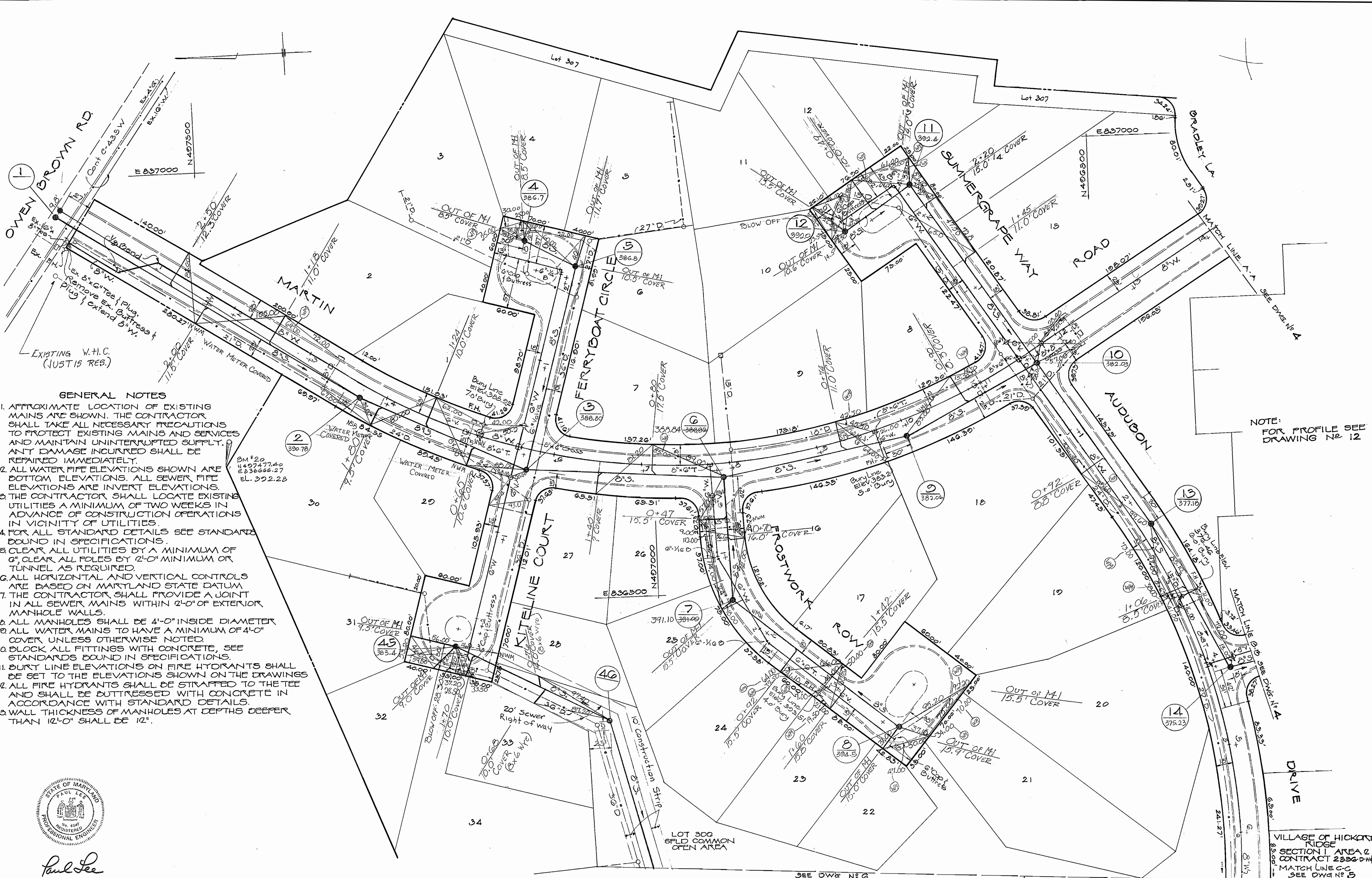
DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
10-10-73 DATE
W O Pickett
CHIEF BUREAU OF ENGINEERING

CONTRACT NO. 235G-D-W&S

LOCATION MAPS OF
WATER & SEWER EXTENSIONS

COLUMBIA
VILLAGE OF HICKORY RIDGE-SECT. 1, AREA 2
ELECTION DISTRICT - CLARKSVILLE NO. 5

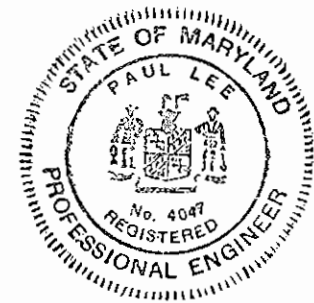
DRAWING NO. 2 OF 17 SCALE 1"=400'



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.
2. ALL WATER PIPE ELEVATIONS SHOWN ARE BOTTOM ELEVATIONS. ALL SEWER PIPE ELEVATIONS ARE INVERT ELEVATIONS.
3. THE CONTRACTOR SHALL LOCATE EXISTING UTILITIES A MINIMUM OF TWO WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS IN VICINITY OF UTILITIES.
4. FOR ALL STANDARD DETAILS SEE STANDARD BOUND IN SPECIFICATIONS.
5. CLEAR ALL UTILITIES BY A MINIMUM OF 6" CLEAR ALL POLES BY 12'-0" MINIMUM OR TUNNEL AS REQUIRED.
6. ALL HORIZONTAL AND VERTICAL CONTROLS ARE BASED ON MARYLAND STATE DATUM.
7. THE CONTRACTOR SHALL PROVIDE A JOINT IN ALL SEWER MAINS WITHIN 2'-0" OF EXTERIOR MANHOLE WALLS.
8. ALL MANHOLES SHALL BE 4'-0" INSIDE DIAMETER.
9. ALL WATER MAINS TO HAVE A MINIMUM OF 4'-0" COVER UNLESS OTHERWISE NOTED.
10. BLOCK ALL FITTINGS WITH CONCRETE, SEE STANDARDS BOUND IN SPECIFICATIONS.
11. BURY LINE ELEVATIONS ON FIRE HYDRANTS SHALL BE SET TO THE ELEVATIONS SHOWN ON THE DRAWINGS.
12. ALL FIRE HYDRANTS SHALL BE STRAPPED TO THE TEE AND SHALL BE BUTTRESSED WITH CONCRETE IN ACCORDANCE WITH STANDARD DETAILS.
13. WALL THICKNESS OF MANHOLES AT DEPTHS DEEPER THAN 12'-0" SHALL BE 12".

NOTE:
FOR PROFILE SEE
DRAWING No. 12



Paul Lee
MATZ, CHILDS & ASSOCIATES, INC.
 ENGINEERS
 1020 CROMWELL BRIDGE ROAD
 BALTIMORE, MARYLAND 21204

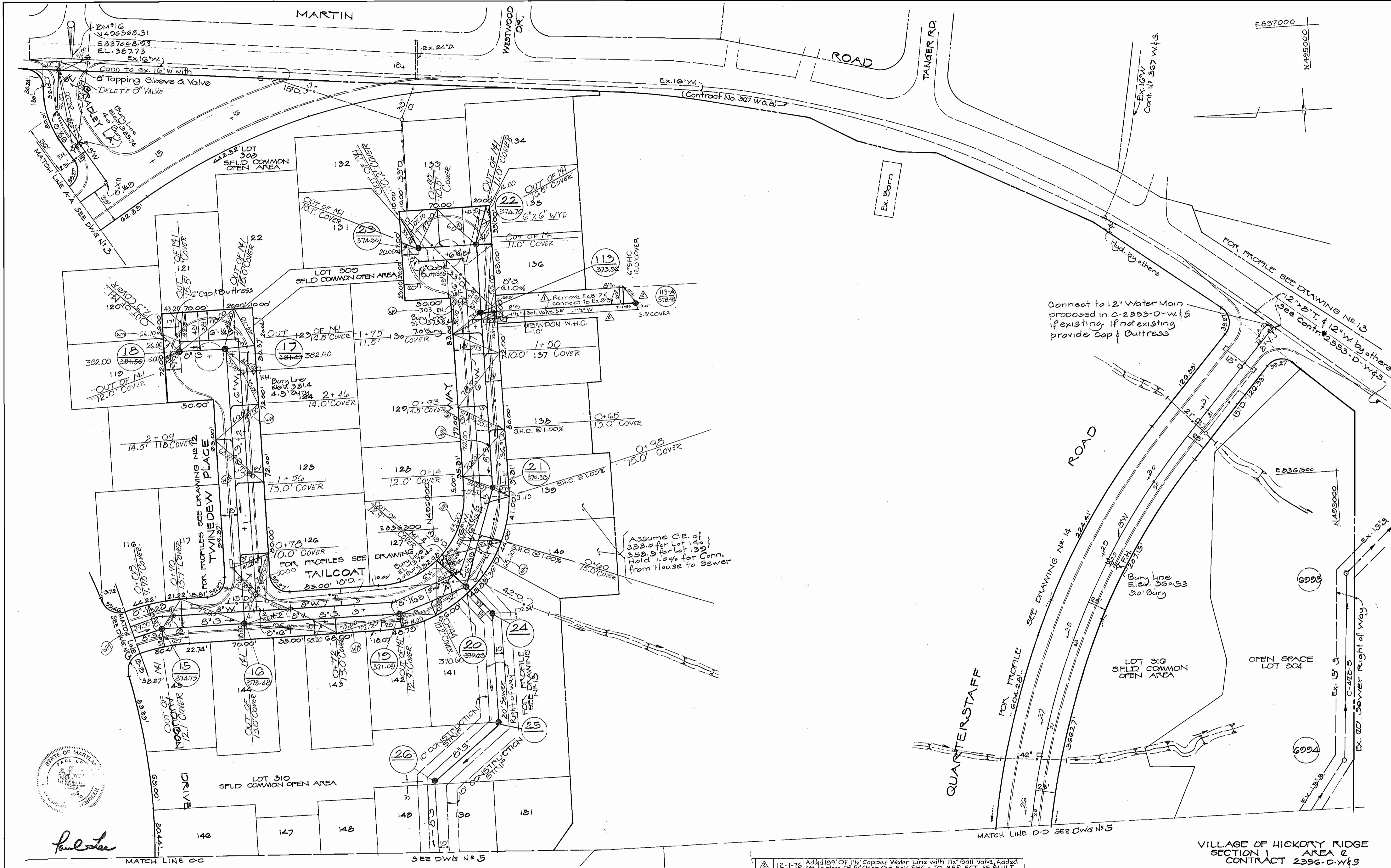
DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 DATE 10-10-73
W. O. Filler
 CHIEF BUREAU OF ENGINEERING

CONTRACT NO. 556-D-W-5

PLAN OF
 WATER & SEWER MAINS

COLUMBIA
 VILLAGE OF HICKORY RIDGE - SECT. 1, AREA 2
 ELECTION DISTRICT - CLARKSVILLE NO. 5

DRAWING NO. 13 OF 17	SCALE 1" = 50'
----------------------	----------------



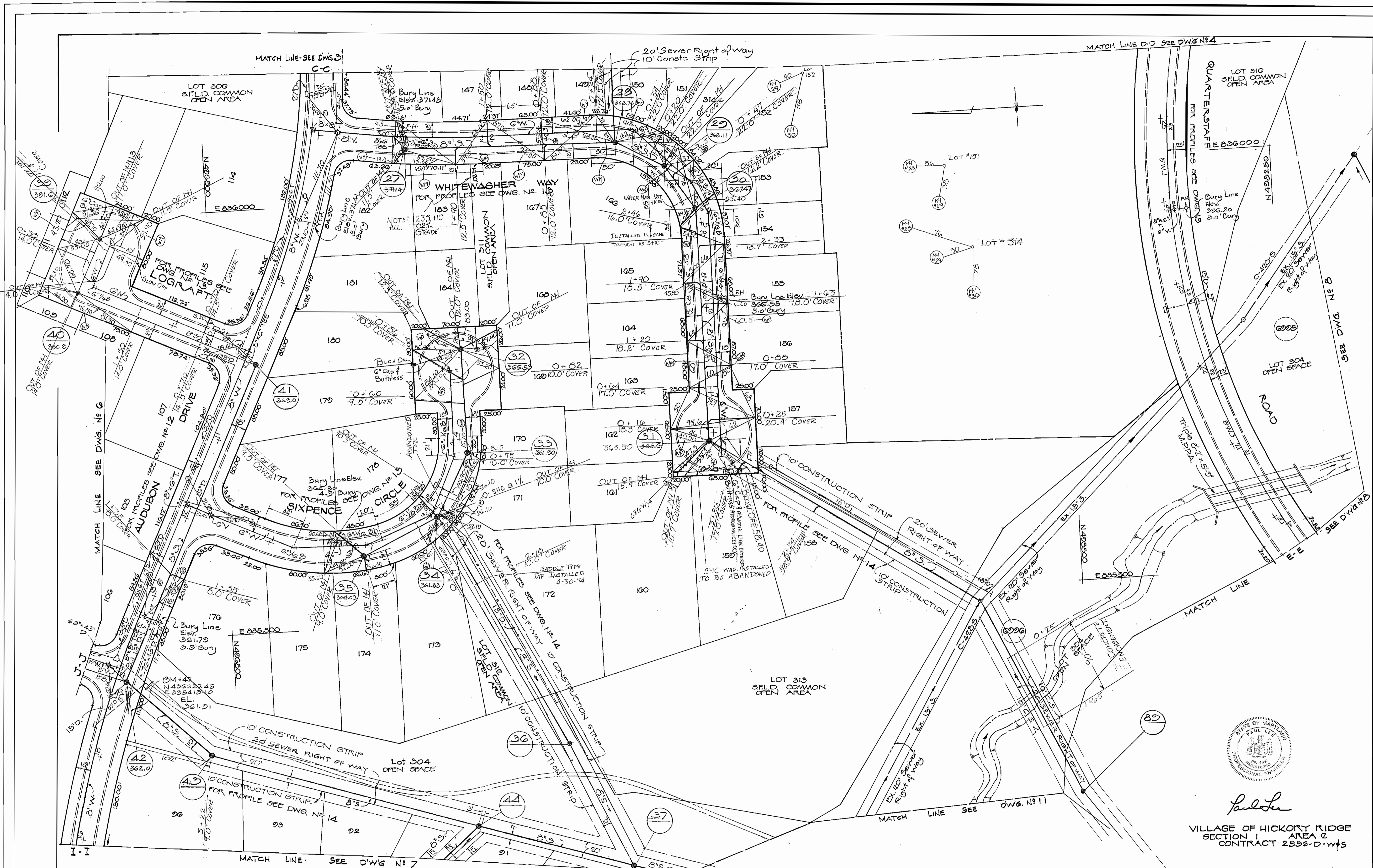
Connect to 12" Water Main proposed in C-2553-D-W&S if existing. If not existing provide Cap & Outrigger
 12" x 8" T. & 12" W. by others see Contr. #2553-D-W&S

Assume C.E. of 358.0 for Lot 145 & 358.5 for Lot 139. Hold 1.0% for Conn. from House to Sewer

12-1-76	Added 18' of 1/2" Copper Water Line with 1 1/2" Ball Valve. Added MH in place of P4 Clean Out. Rev. SHC - TO REFLECT AS BUILT
2-18-76	Added 100' of 6" S Main 24' 7" south of MH 113 (A.C. Pipe) also 28' of 6" S.H.C. @ O+75 - Clean Out @ O+75
No Date	Revision

MATZ, CHILDS & ASSOCIATES, INC. ENGINEERS 1020 CROMWELL BRIDGE ROAD BALTIMORE, MARYLAND 21204	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND 10-10-73 DATE <i>W. A. Roberts</i> CHIEF BUREAU OF ENGINEERING	CONTRACT NO. <u>C-2553-D-W&S</u>	PLAN OF WATER & SEWER MAINS	COLUMBIA VILLAGE OF HICKORY RIDGE - SECT. I, AREA 2 ELECTION DISTRICT - CLARKSVILLE NO. 5	DRAWING NO. <u>4</u> OF <u>17</u> SCALE 1"=50' AS-BUILT SEPT. 1974
--	--	--------------------------------------	--------------------------------	---	--

WS 556 WS/4



MATZ, CHILDS & ASSOCIATES, INC.
ENGINEERS
1020 CROMWELL BRIDGE ROAD
BALTIMORE, MARYLAND 21204

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
DATE 10-10-73
W O Robert
CHIEF BUREAU OF ENGINEERING

CONTRACT NO. 2886-D-W&S

PLAN OF
WATER & SEWER MAINS

COLUMBIA
VILLAGE OF HICKORY RIDGE - SECT. 1, AREA 2
ELECTION DISTRICT - CLARKVILLE NO. 5

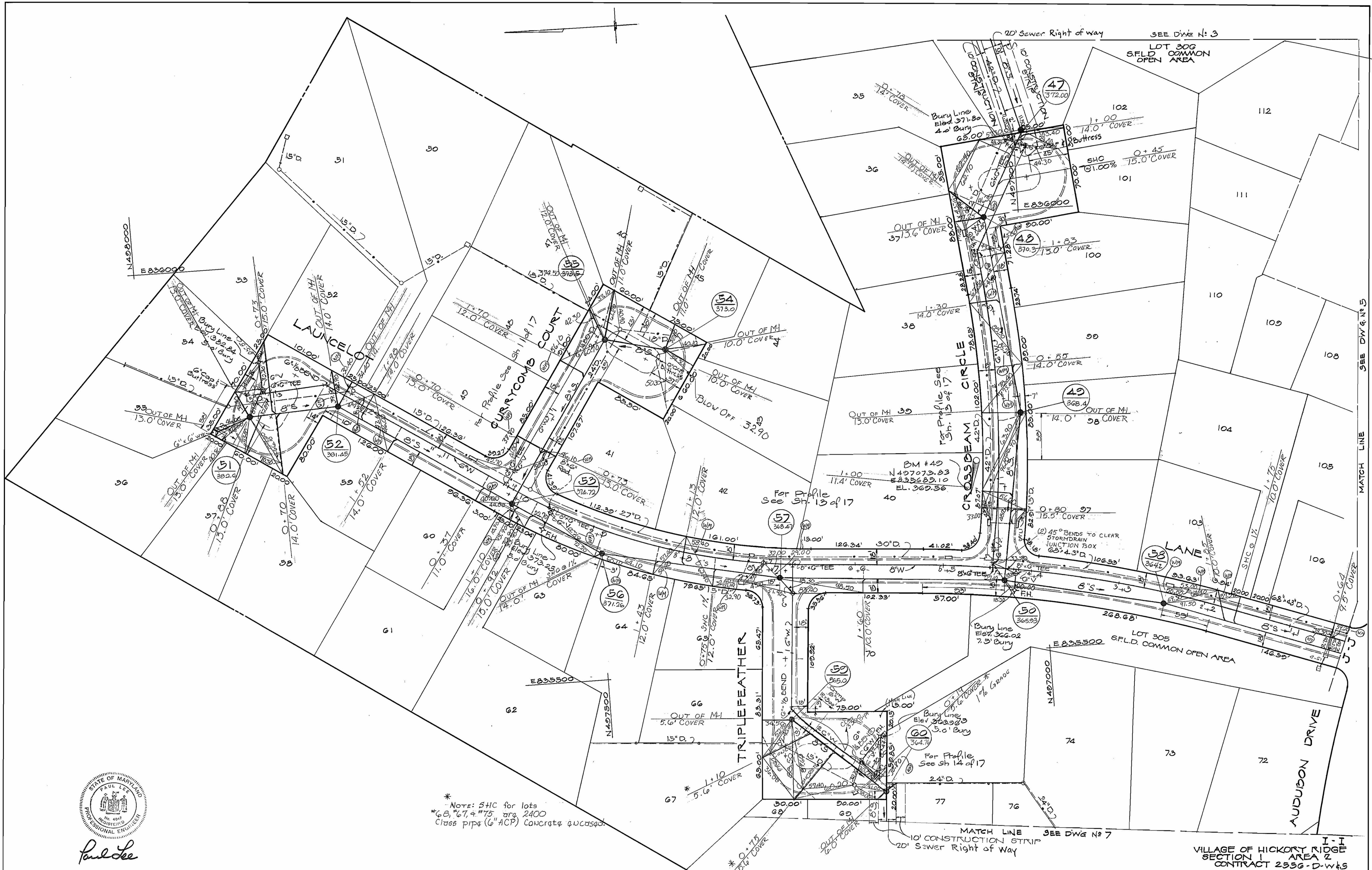
DRAWING NO.	5
OF	17
SCALE	1"=50'



Paul Lee

VILLAGE OF HICKORY RIDGE
SECTION 1 AREA 2
CONTRACT 2886-D-W&S

WS 556 W&S/5



Paul Lee

* NOTE: SHC for lots 63, 67, & 75 are 2400 Class pipe (6" ACP) Concrete encased.

MATZ, CHILDS & ASSOCIATES, INC.
ENGINEERS
1020 CROMWELL BRIDGE ROAD
BALTIMORE, MARYLAND 21204

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
10-10-73
DATE

W O Fulbert
CHIEF BUREAU OF ENGINEERING

CONTRACT NO. 2556-D-W&S

PLAN OF
WATER & SEWER MAINS

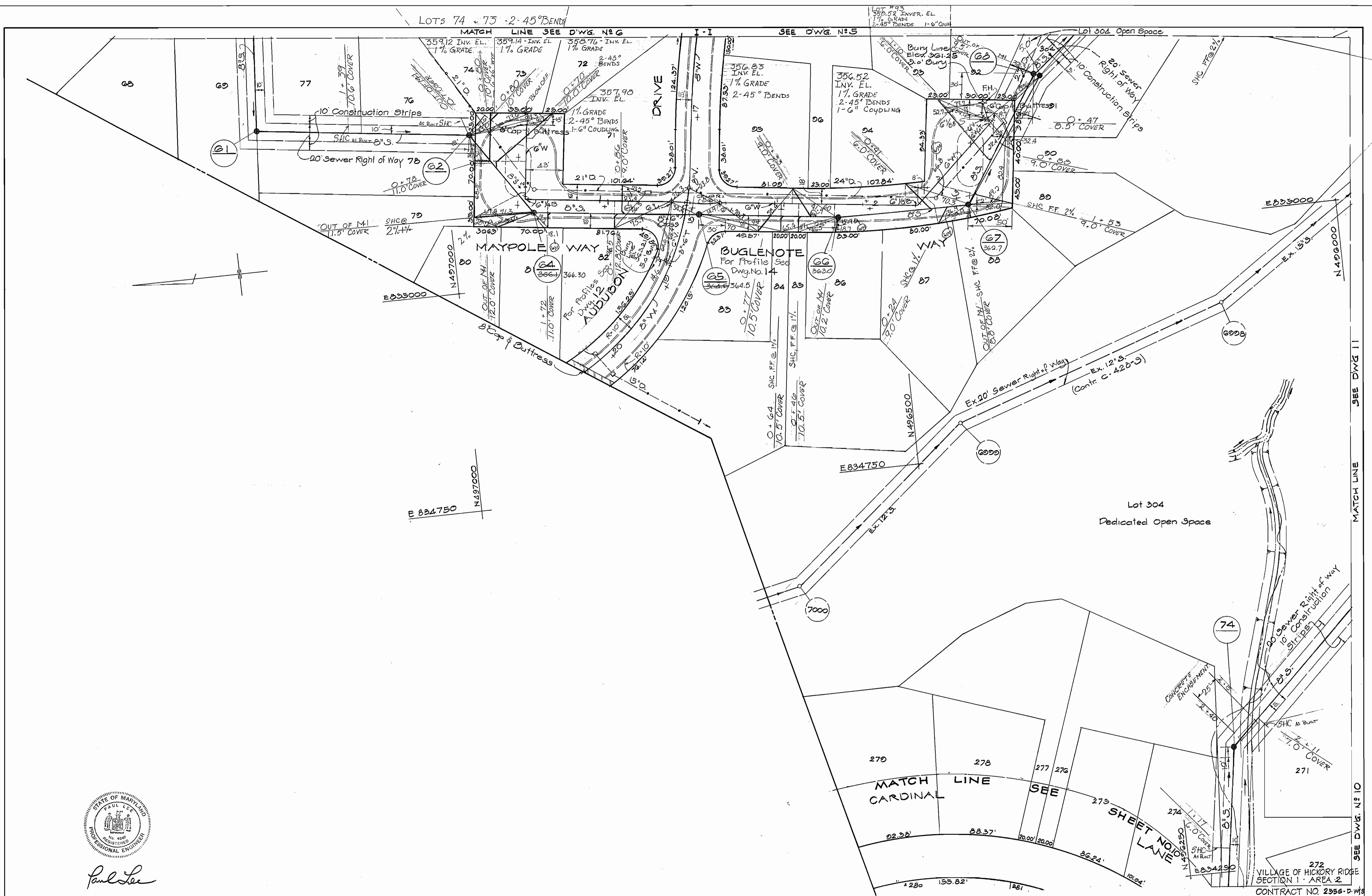
COLUMBIA
VILLAGE OF HICKORY RIDGE - SECT 1, AREA 2
ELECTION DISTRICT - CLARKSVILLE NO. 5

DRAWING NO. 6 OF 12
SCALE 1" = 50'

I-I
VILLAGE OF HICKORY RIDGE
SECTION 1 AREA 2
CONTRACT 2556-D-W&S

AS-BUILT 5/28/1974

WS 556 ws/s/6



Paul Lee

MATZ, CHILDS & ASSOCIATES, INC.
ENGINEERS
1020 CROMWELL BRIDGE ROAD
BALTIMORE, MARYLAND 21204

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
10-10-73
DATE
W. O. Lambert
CHIEF BUREAU OF ENGINEERING

CONTRACT NO. ~~2356-D-W/S~~

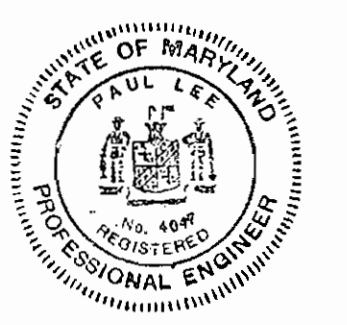
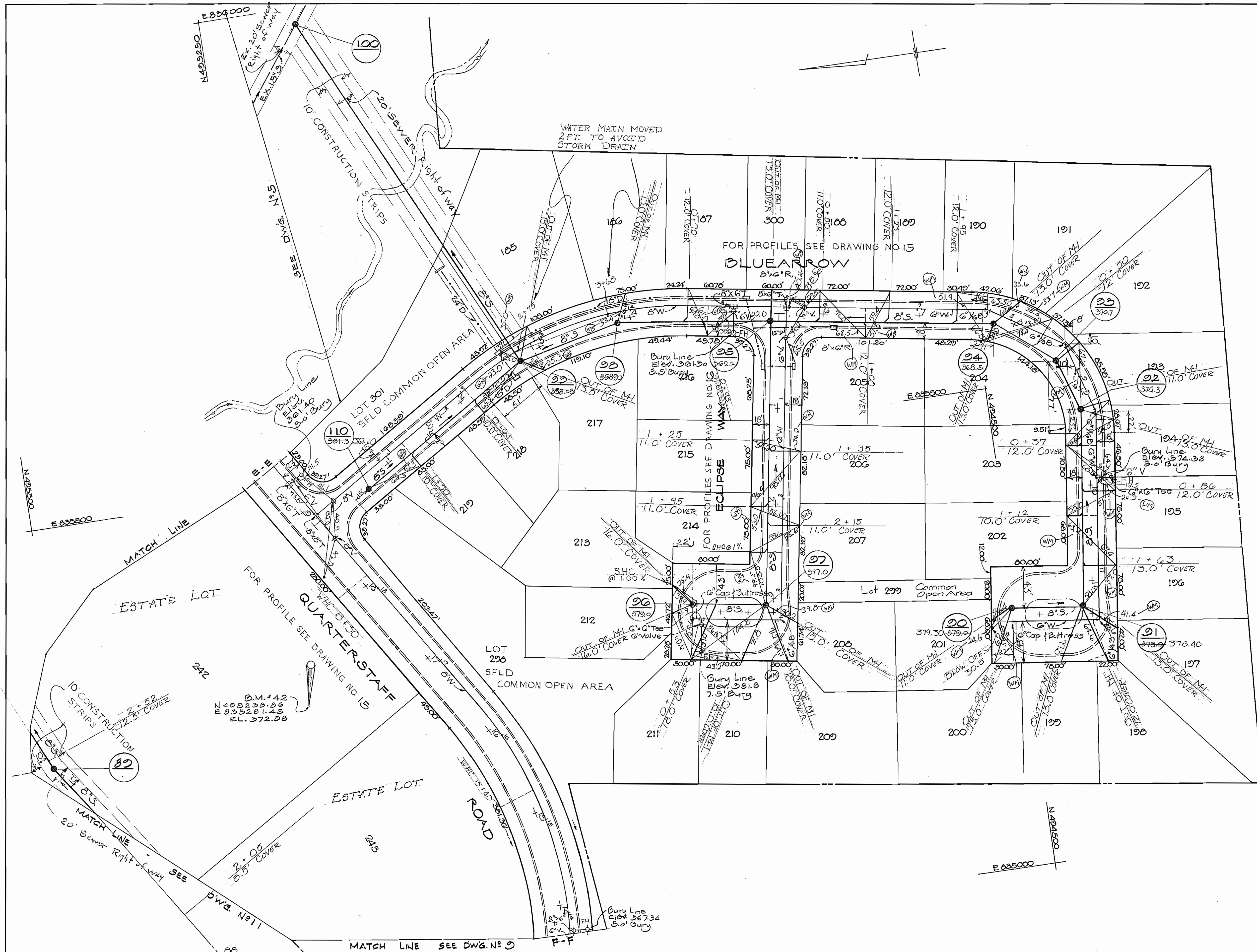
PLAN OF
WATER & SEWER MAINS

COLUMBIA
VILLAGE OF HICKORY RIDGE - SECT. 1, AREA 2
ELECTION DISTRICT - CLARKSVILLE NO. 5

DRAWING NO.	SCALE
7 OF 17	1" = 50'

AS-BUILT SEPT. 1974

WS 556 W/S/7



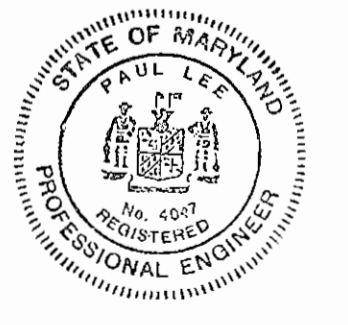
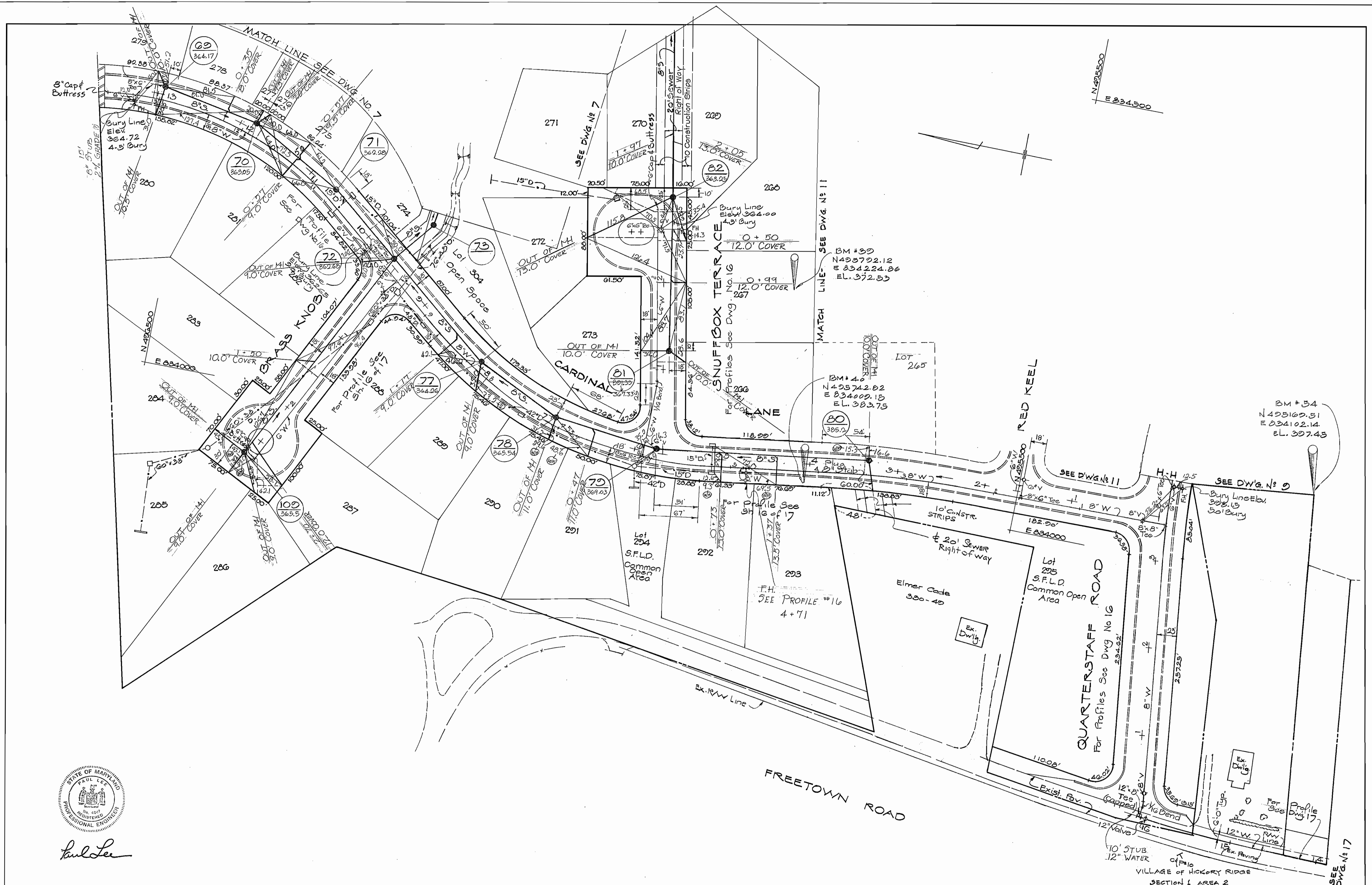
Paul Lee

VILLAGE OF HICKORY RIDGE
 SECT. 1, AREA 2
 CONT. 2336-D-W&S

MATZ, CHILDS & ASSOCIATES, INC. ENGINEERS 1020 CROMWELL BRIDGE ROAD BALTIMORE, MARYLAND 21204	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND DATE 10-10-73 W. O. Gilbert CHIEF BUREAU OF ENGINEERING	CONTRACT NO. 2336-D-W&S	PLAN OF WATER & SEWER MAINS	COLUMBIA VILLAGE OF HICKORY RIDGE - SECT. 1, AREA 2 ELECTION DISTRICT - CLARKSVILLE NO. 5	DRAWING NO. 8 OF 17 SCALE 1" = 50' AS BUILT
--	--	-------------------------	--------------------------------	---	---

AS BUILT SEPT. 1974

WS 556 W&S/8



Paul Lee

MATZ, CHILDS & ASSOCIATES, INC.
ENGINEERS
1020 CROMWELL BRIDGE ROAD
BALTIMORE, MARYLAND 21204

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
10-10-73 DATE
W O Filbert
CHIEF, BUREAU OF ENGINEERING

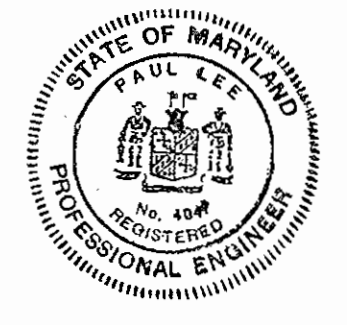
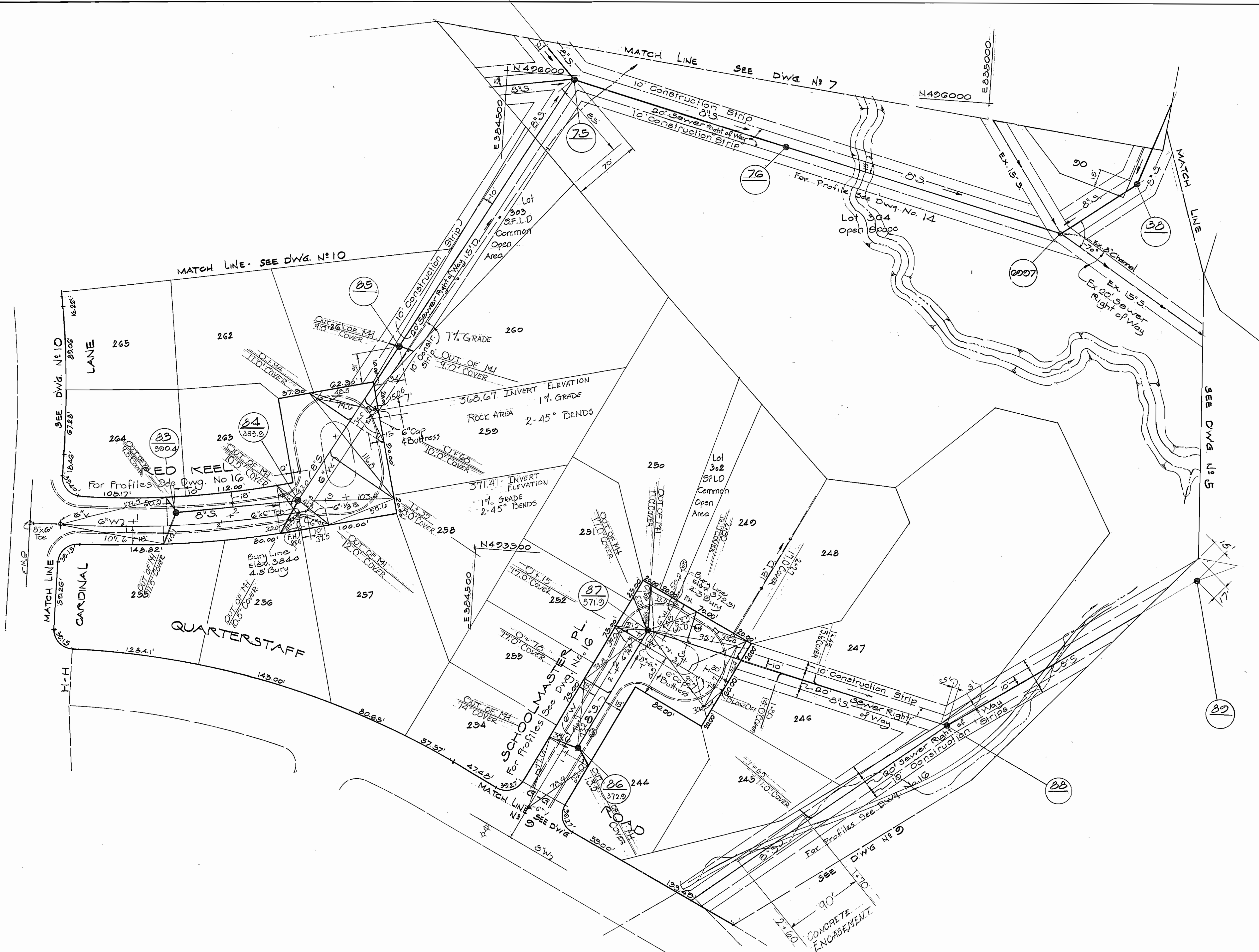
CONTRACT NO. 2336-D-W-5

PLAN OF
WATER & SEWER MAINS

COLUMBIA
VILLAGE OF HICKORY RIDGE - SECT. I, AREA 2
ELECTION DISTRICT - CLARKSVILLE NO. 5

DRAWING
NO. 10
OF 17
SCALE
1" = 50'

AS BUILT SEPT. 1974

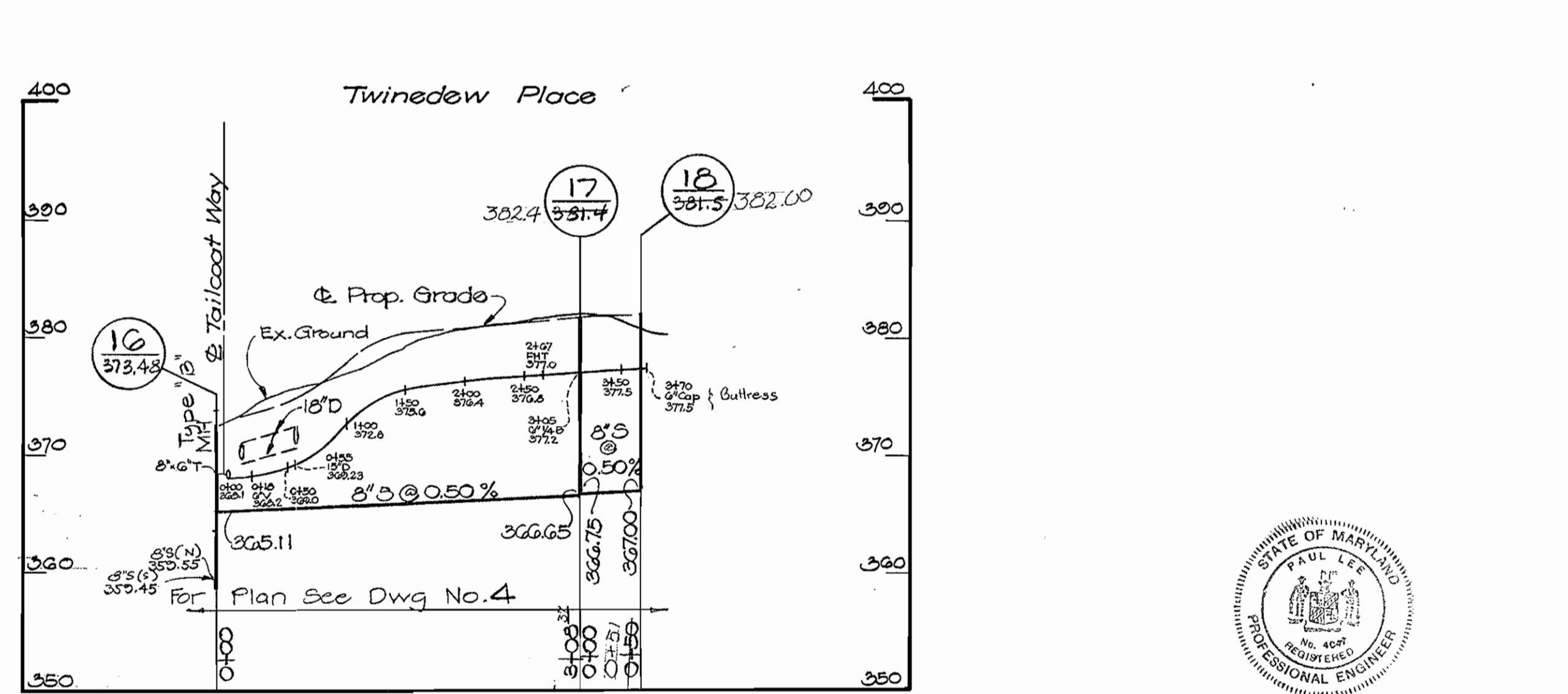
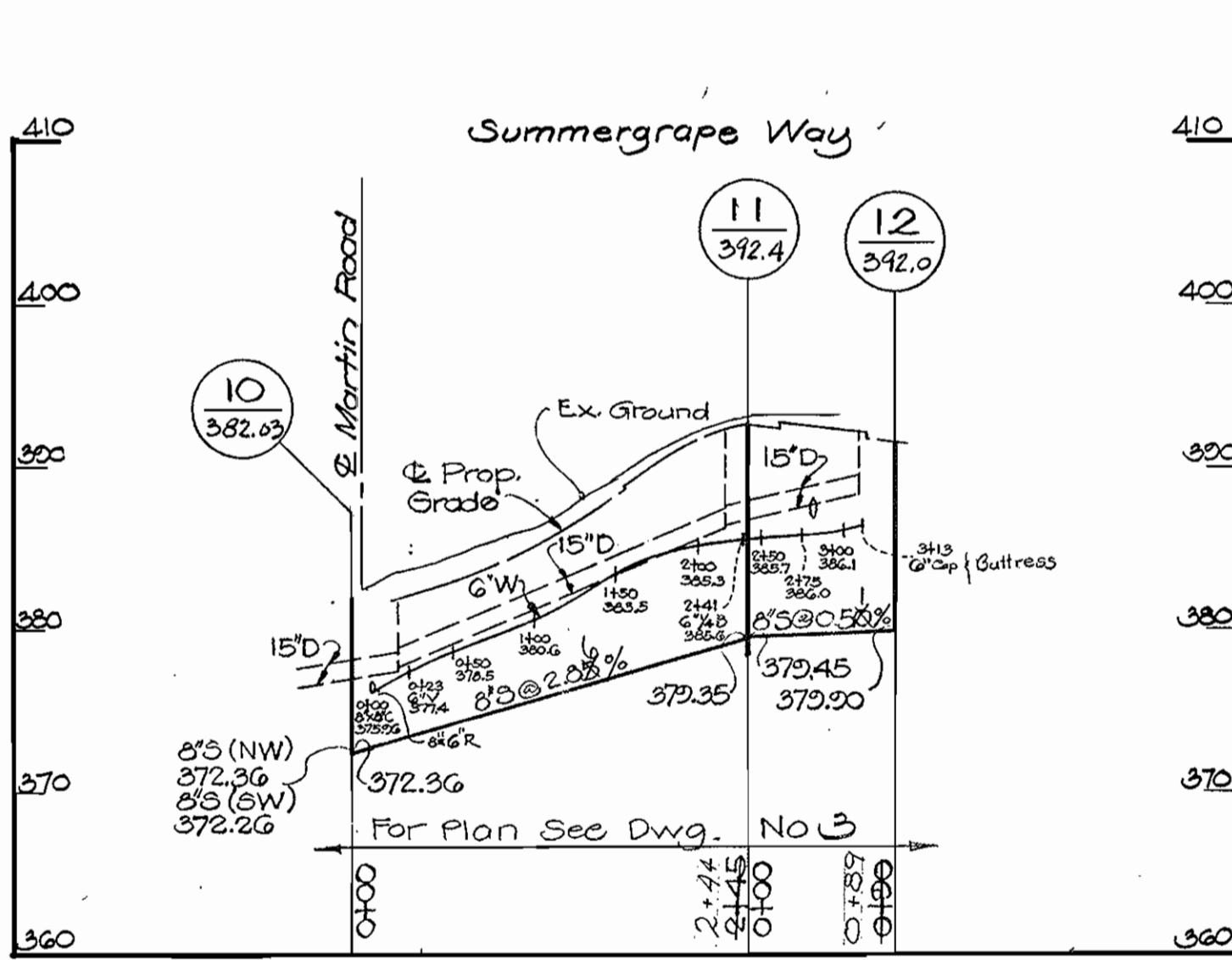
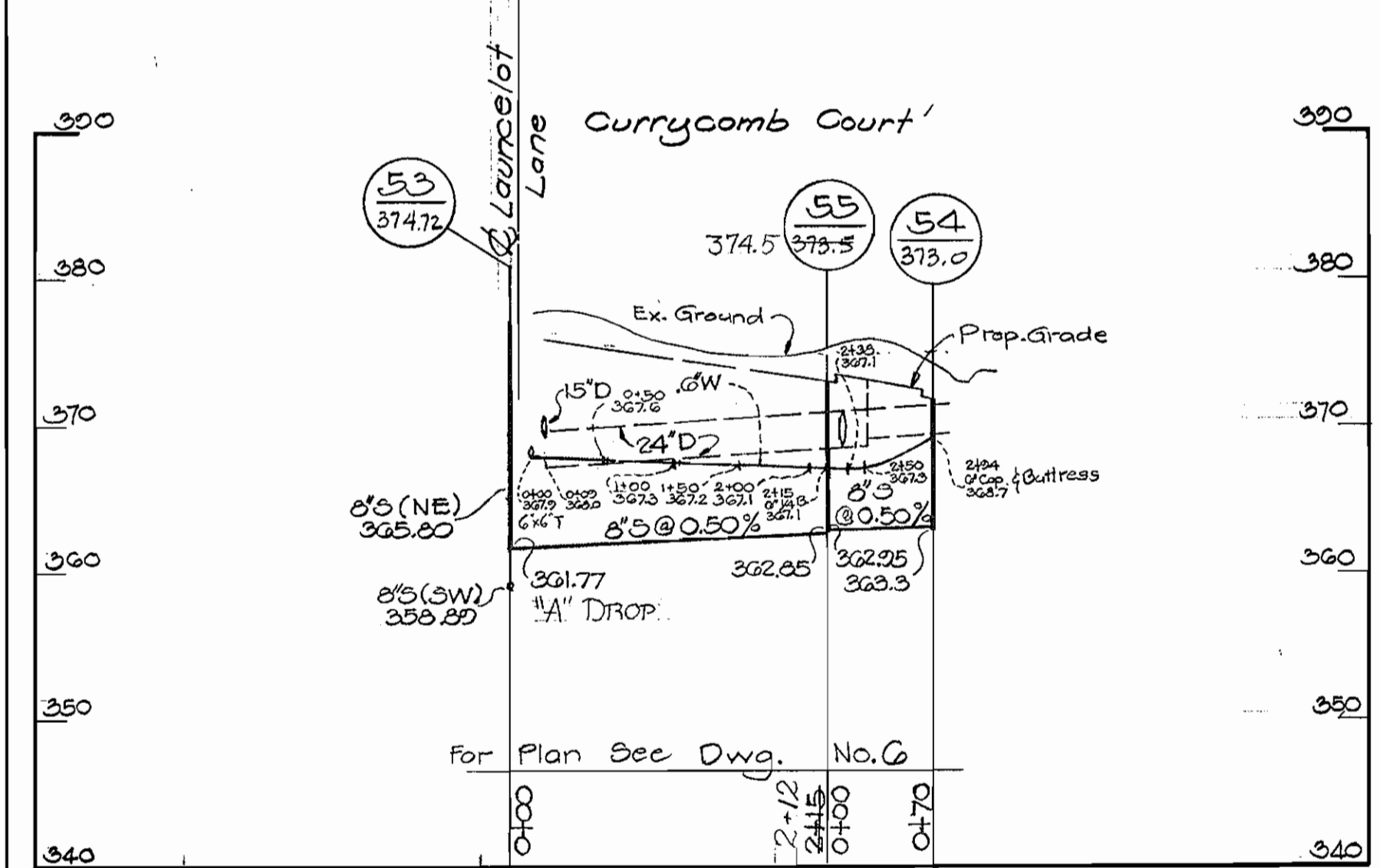
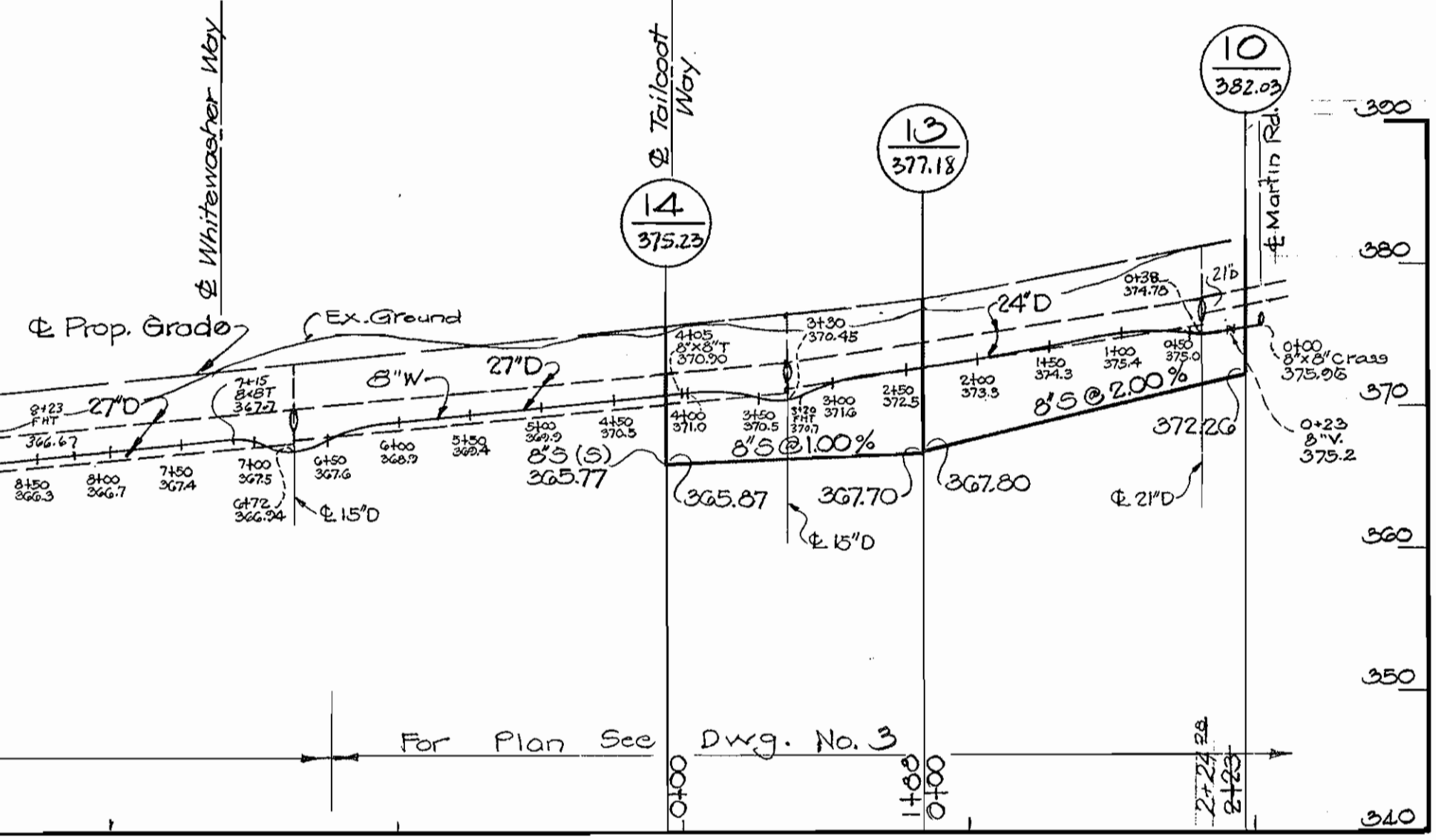
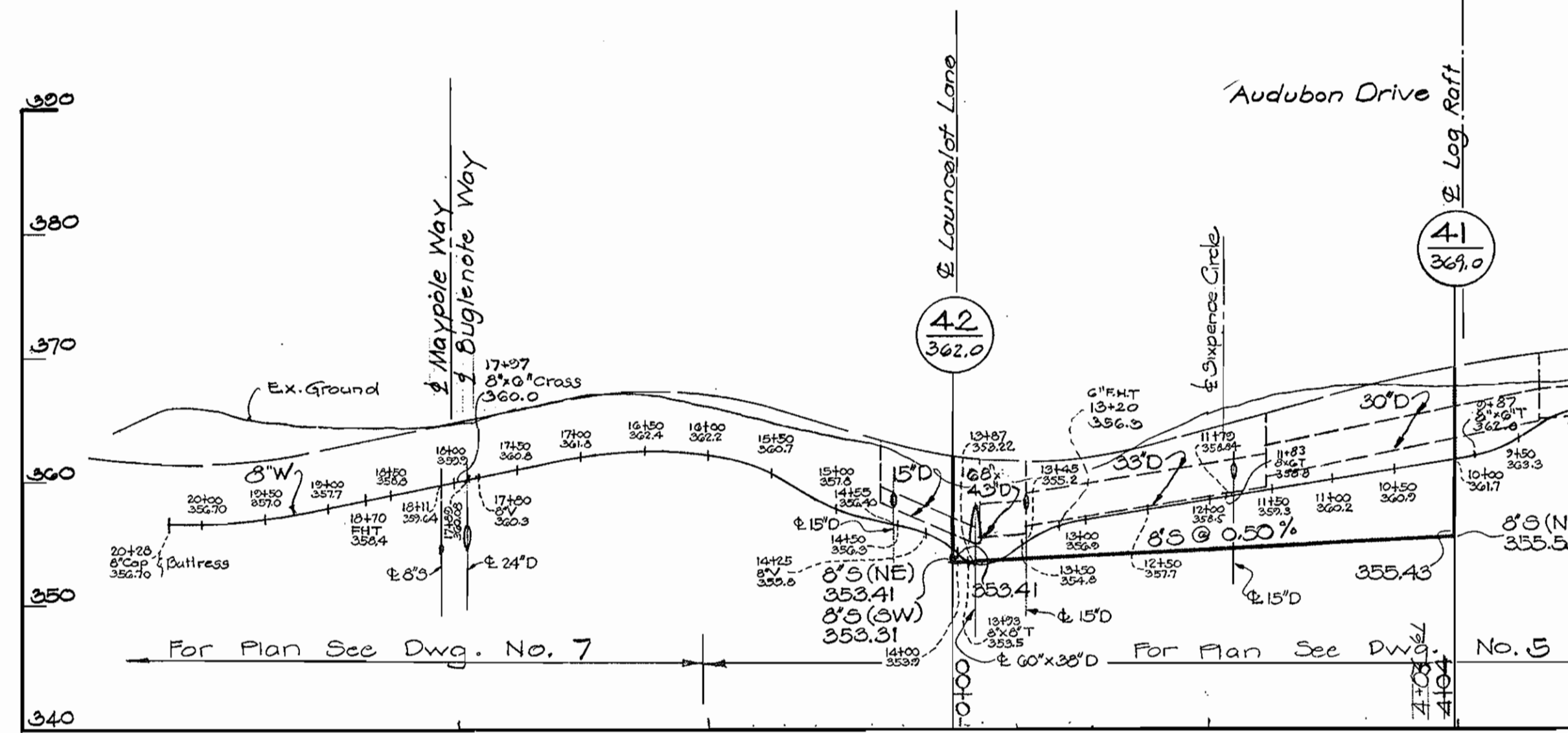
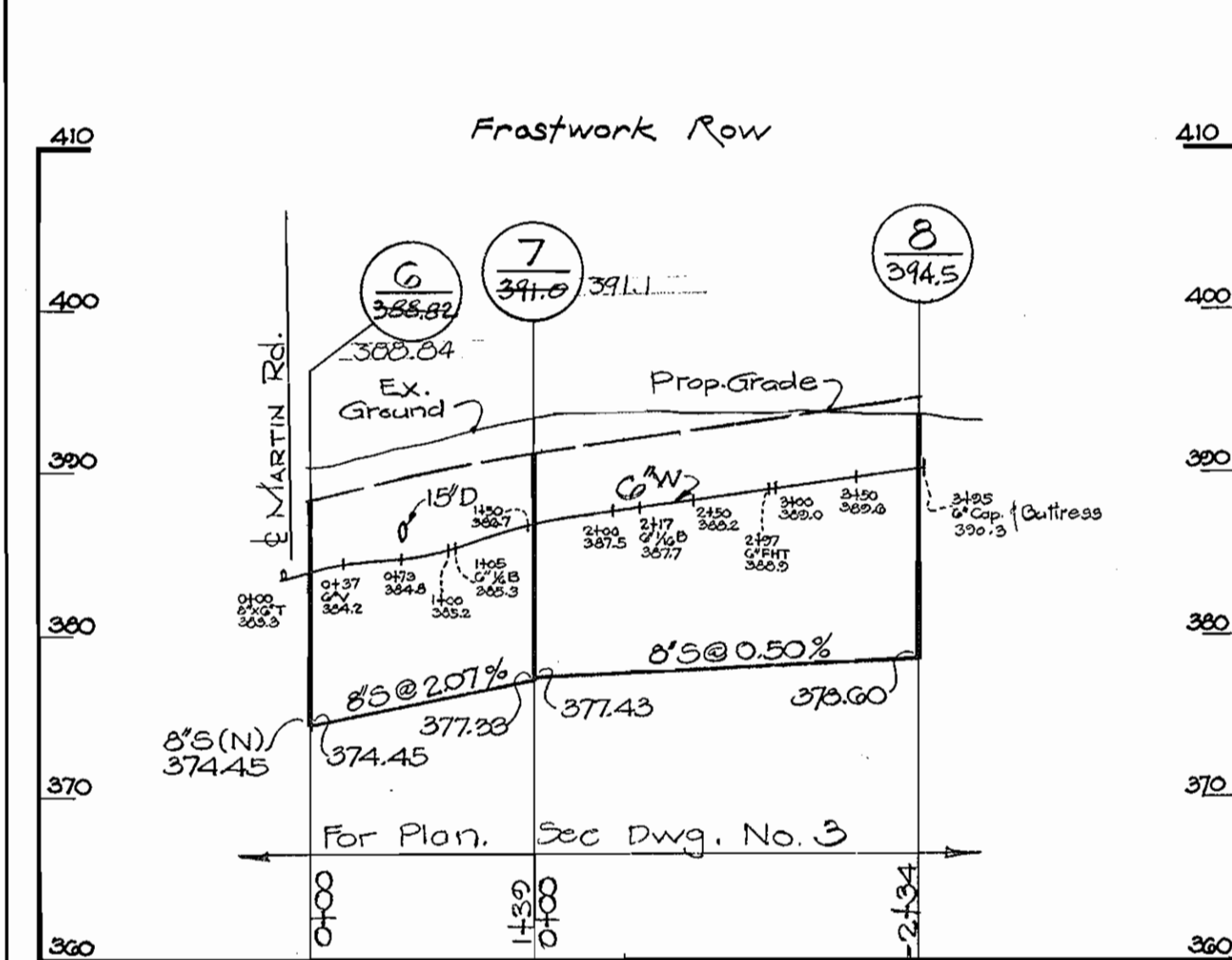
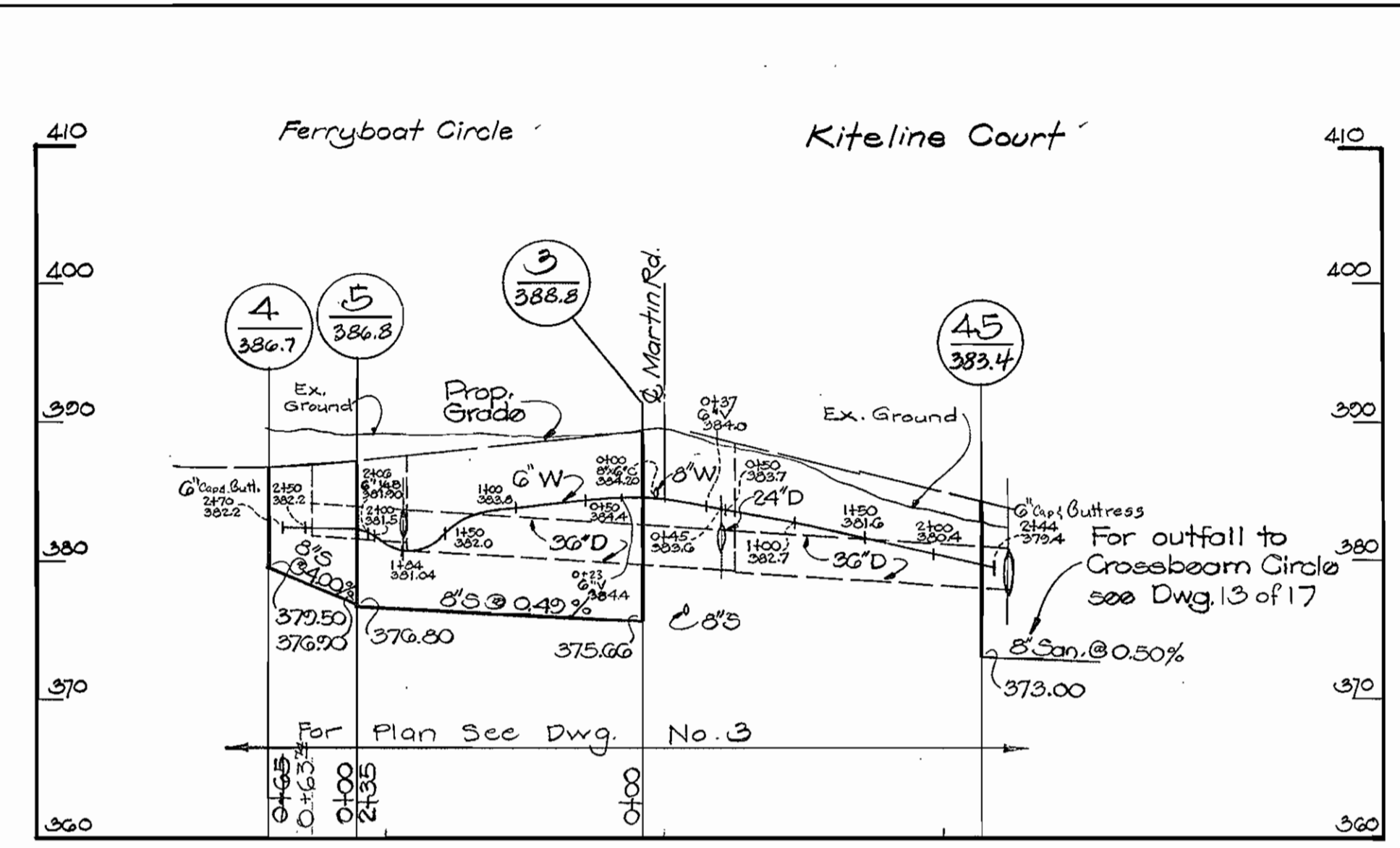
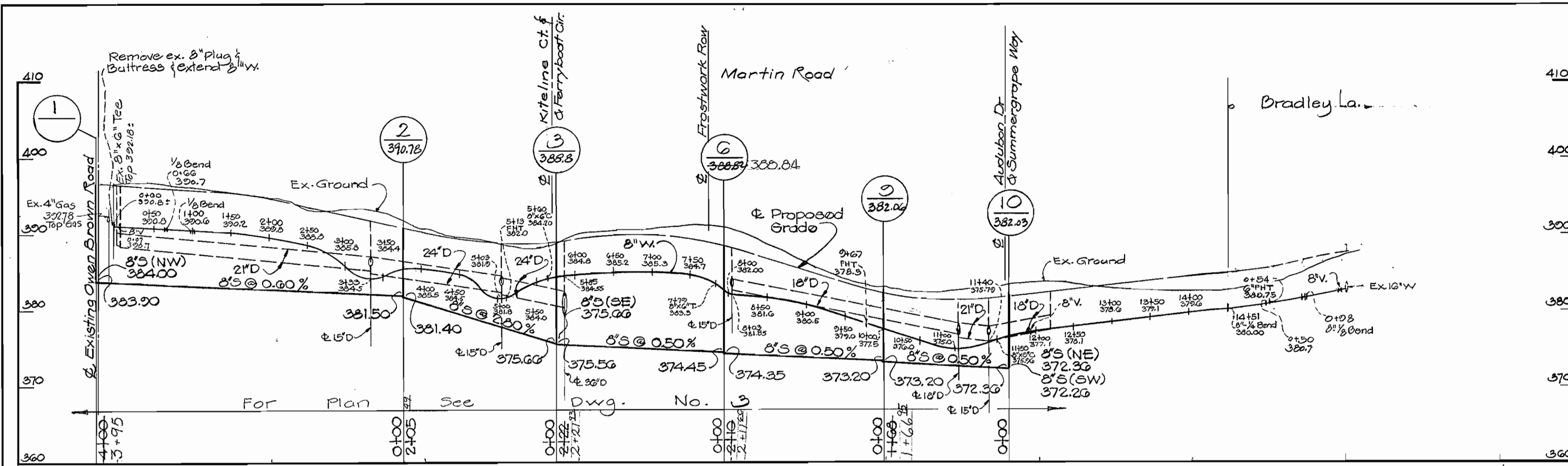


Paul Lee

VILLAGE OF HICKORY RIDGE
SECTION 1 AREA 2
CONTRACT NO. 2556-D-W&S

MATZ, CHILDS & ASSOCIATES, INC. ENGINEERS 1020 CROMWELL BRIDGE ROAD BALTIMORE, MARYLAND 21204	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND 10-10-73 DATE W. O. Filbert CHIEF BUREAU OF ENGINEERING	CONTRACT NO. 2556-D-W&S	PLAN OF WATER & SEWER MAINS	COLUMBIA VILLAGE OF HICKORY RIDGE - SECT. 1, AREA 2 ELECTION DISTRICT - CLARKVILLE NO. 5	DRAWING NO. 11 OF 17 SCALE 1" = 50' AS-BUILT SEPT. 1974
--	---	-------------------------	--------------------------------	--	---

WS 556 W&S/11



Paul Lee

VILLAGE OF HICKORY RIDGE
SECTION 1 AREA 2
CONTRACT NO. 2556-D-W15

MATZ, CHILDS & ASSOCIATES, INC.
ENGINEERS
1020 CROMWELL BRIDGE ROAD
BALTIMORE, MARYLAND 21204

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
10-10-73
DATE
W.O. Falbert
CHIEF BUREAU OF ENGINEERING

CONTRACT NO. 2556-D-W15

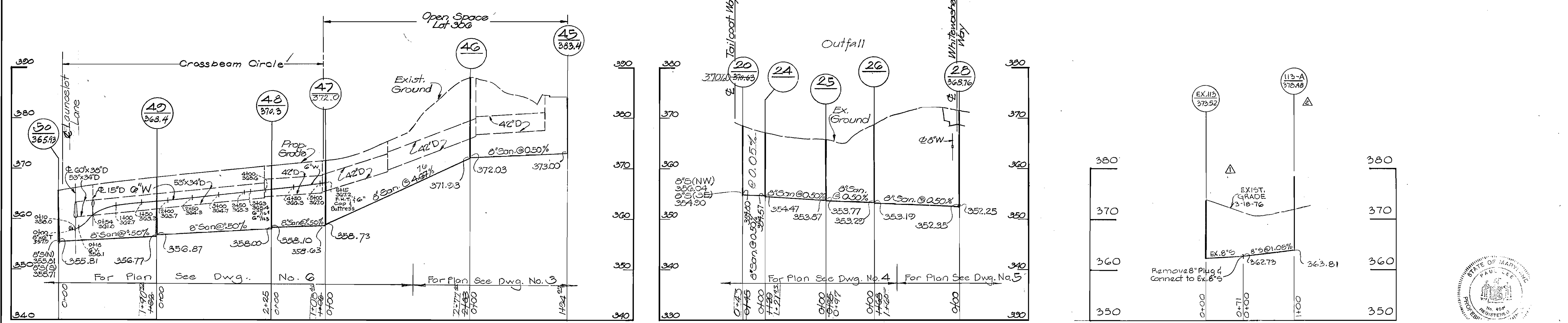
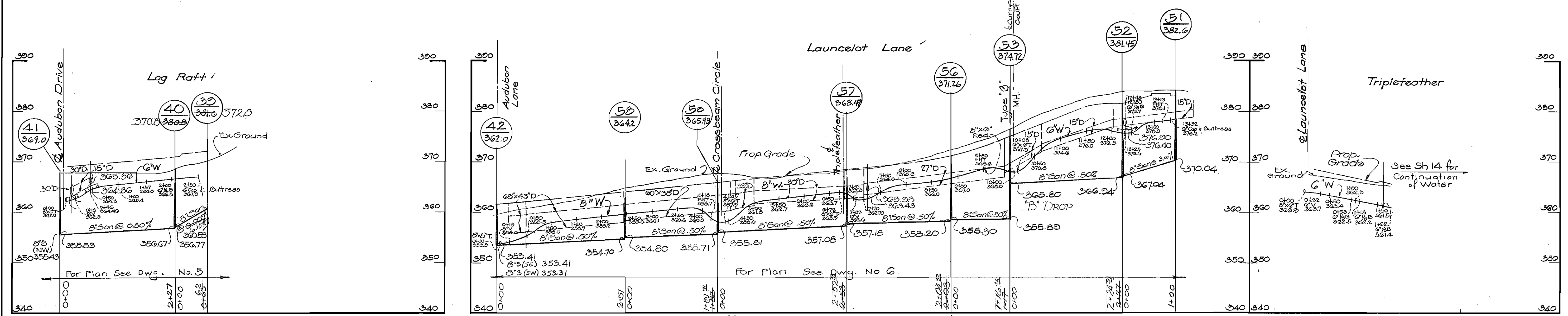
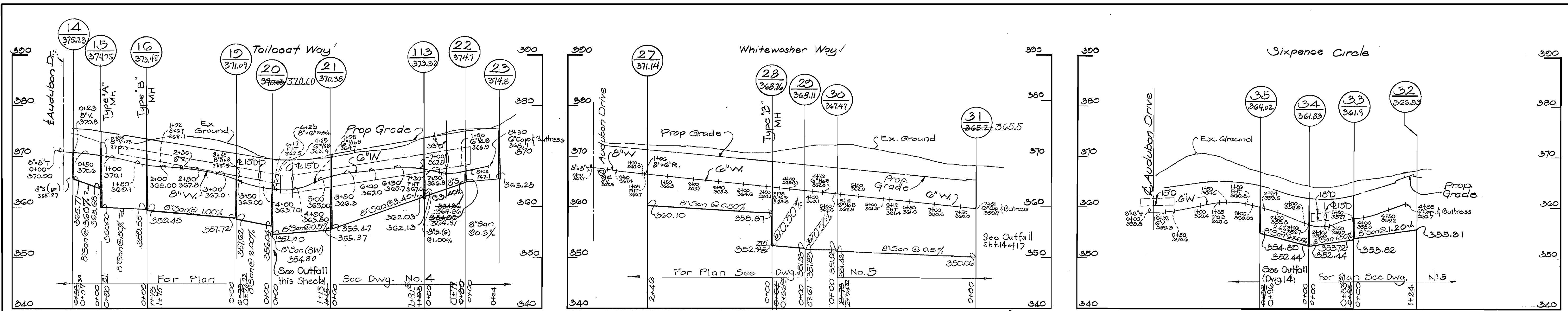
PROFILES OF
WATER & SEWER MAINS

COLUMBIA
VILLAGE OF HICKORY RIDGE - SECT. 1, AREA 2
ELECTION DISTRICT - CLARKSVILLE NO. 5

DRAWING NO. 12 OF 17	SCALE H-1"=100 V-1"=10'
----------------------	-------------------------

AS BUILT
SEPT. 1974

WS 556 WWS/12



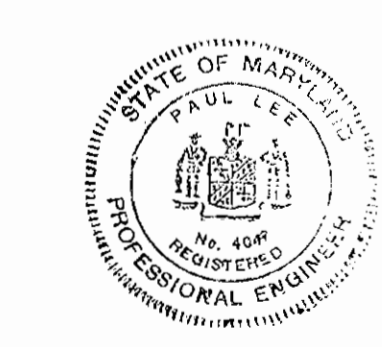
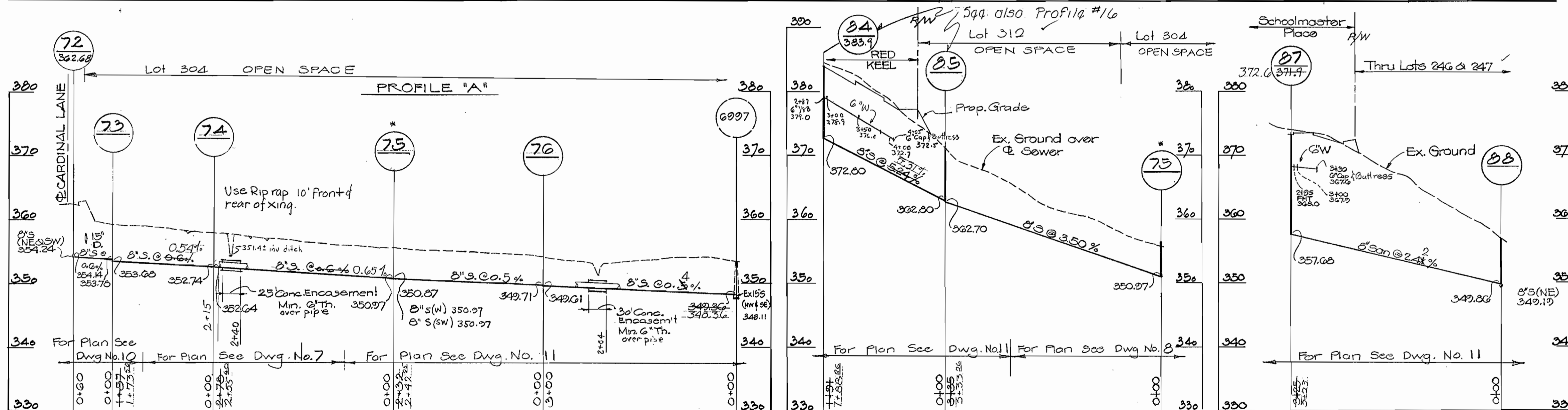
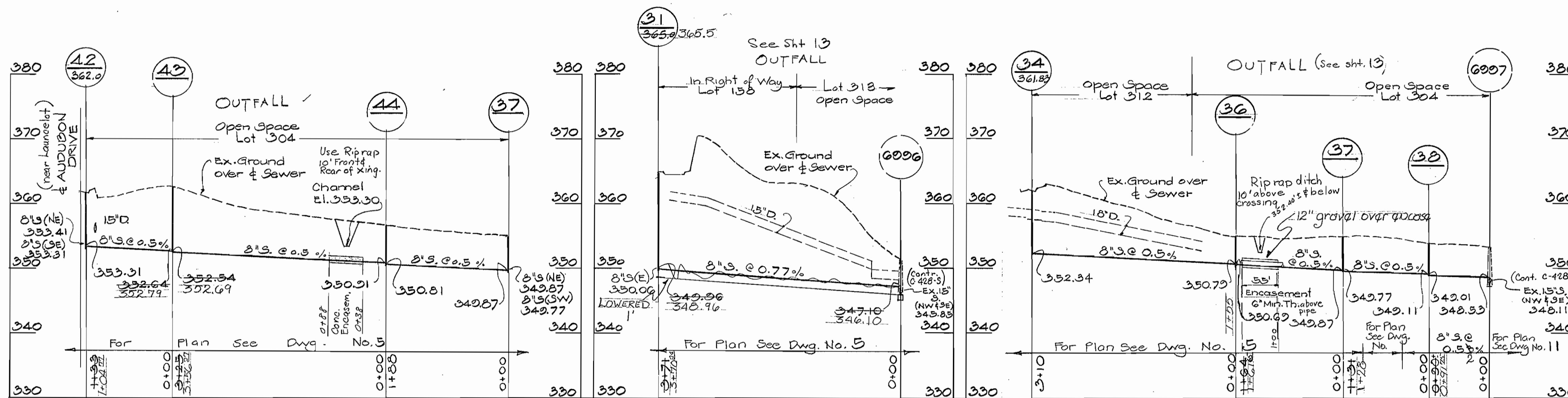
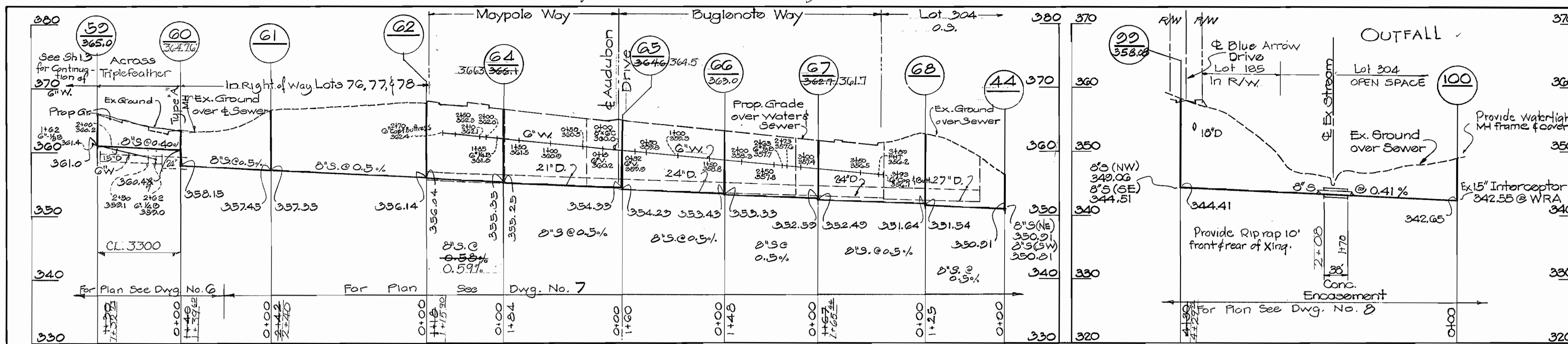
12-1-76	Added MH 113-A
2-18-76	Profile for 100'S Main Extension (Sht. 4 of 17)
	Revision



Paul Lee

MATZ, CHILDS & ASSOCIATES, INC. ENGINEERS 1020 CROMWELL BRIDGE ROAD BALTIMORE, MARYLAND 21204	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND 10-10-73 DATE <i>W O Palbert</i> CHIEF BUREAU OF ENGINEERING	CONTRACT NO. 356-D-418	PROFILES OF WATER & SEWER MAINS	COLUMBIA VILLAGE OF HICKORY RIDGE - SECT. I, AREA 2 ELECTION DISTRICT - CLARKSVILLE NO. 5	DRAWING NO. 12 OF 17	SCALE H-1"=100' V-1"=10'
					Paul Lee	AS-BUILT SEPT. 1974

WS 556 W&S/13



Paul Lee
 VILLAGE OF HICKORY RIDGE
 SECTION 1 AREA 2
 CONTRACT NO. 2996-2-749

MATZ, CHILDS & ASSOCIATES, INC.
 ENGINEERS
 1020 CROMWELL BRIDGE ROAD
 BALTIMORE, MARYLAND 21204

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 10-10-73
 DATE
 W. O. Robert
 CHIEF BUREAU OF ENGINEERING

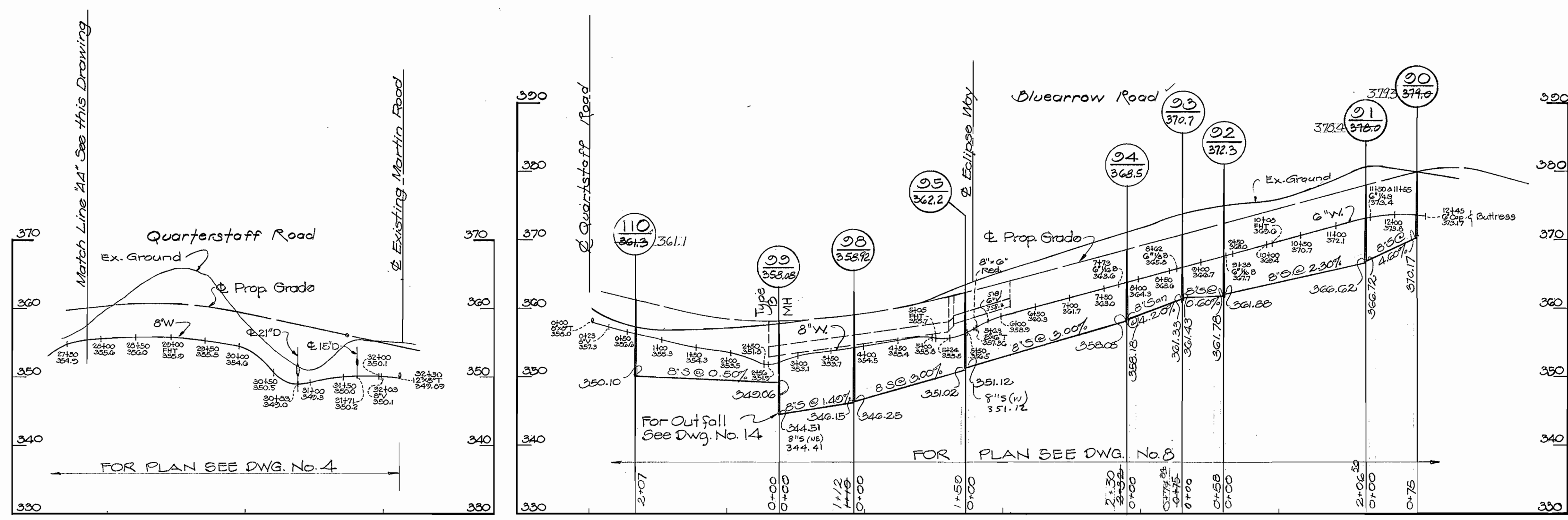
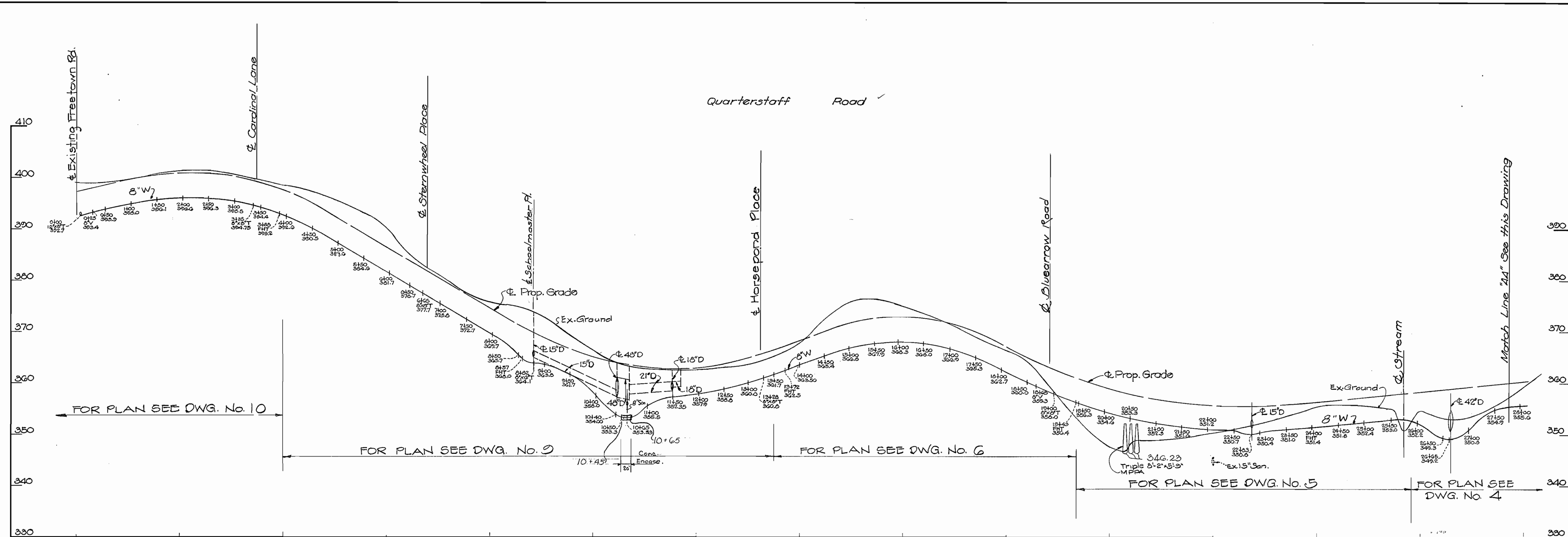
CONTRACT NO. 2996-D-749
 PROFILES OF
 WATER & SEWER MAINS

COLUMBIA
 VILLAGE OF HICKORY RIDGE - SECT. 1, AREA 2
 ELECTION DISTRICT - CLARKSVILLE NO. 5

DRAWING NO. 14 OF 12	SCALE H- 1"=100' V- 1"=10'
----------------------	----------------------------

AS-BUILT SEPT. 1974

WS 556 W&S/H



Paul Lee

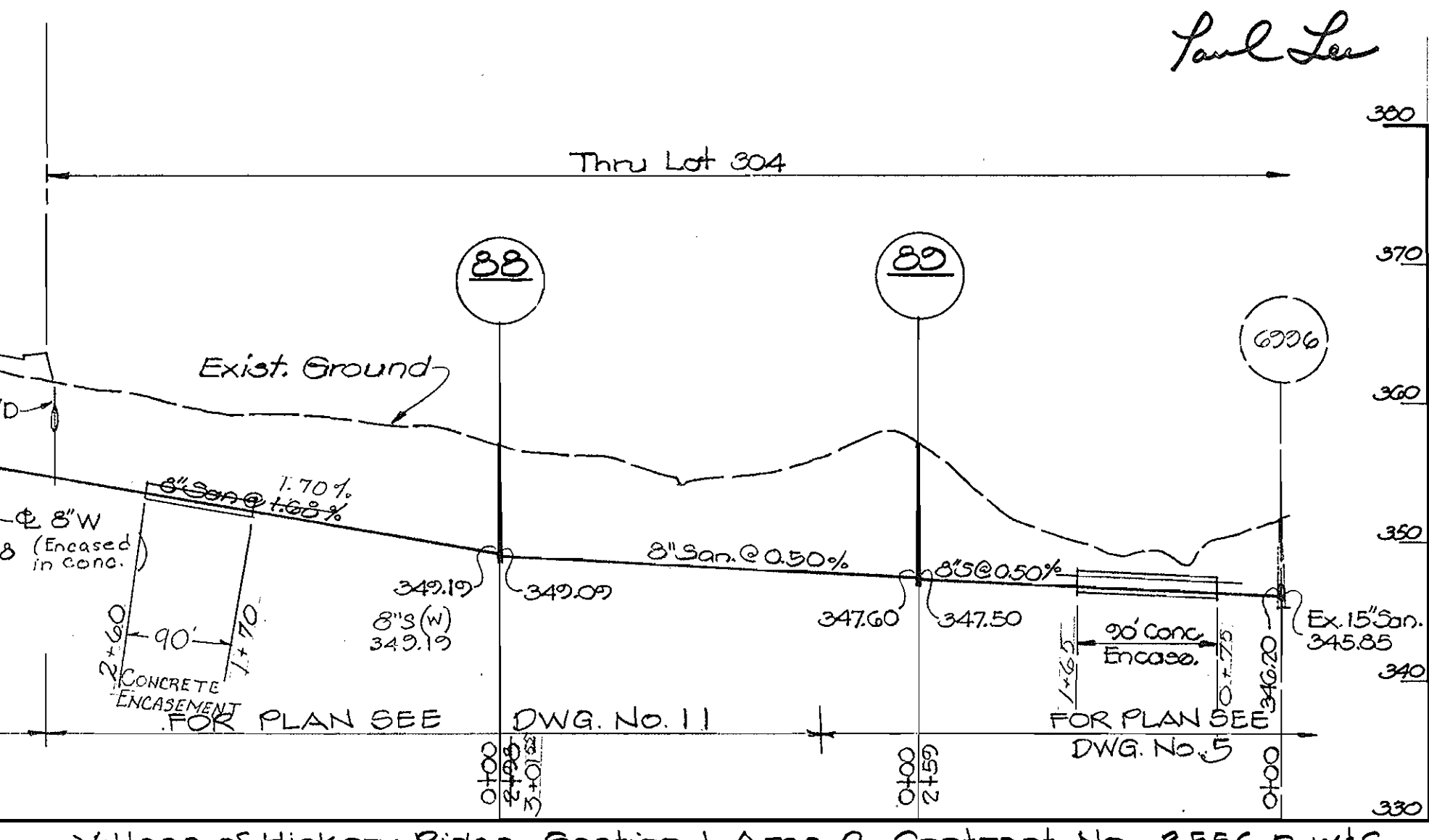
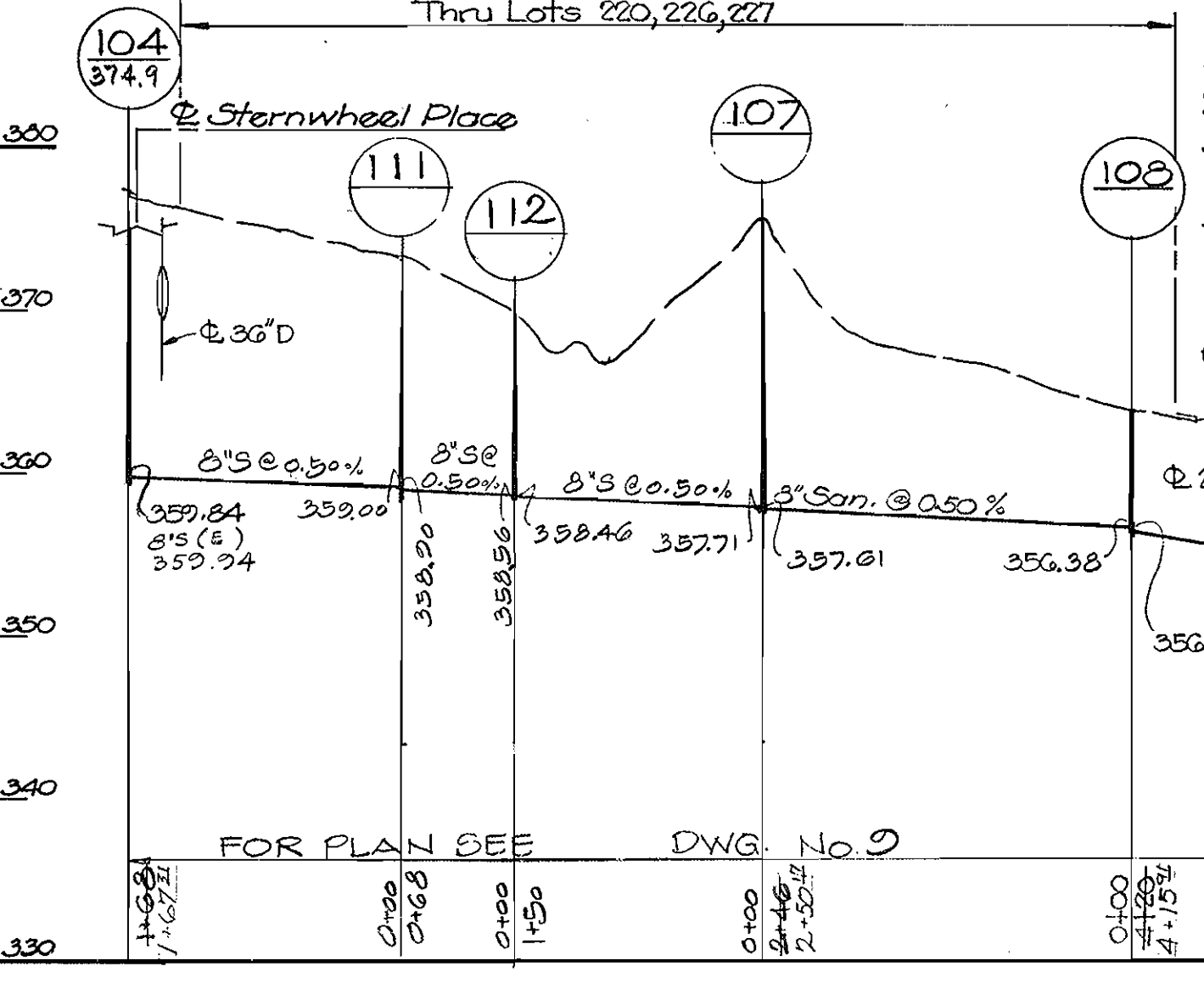
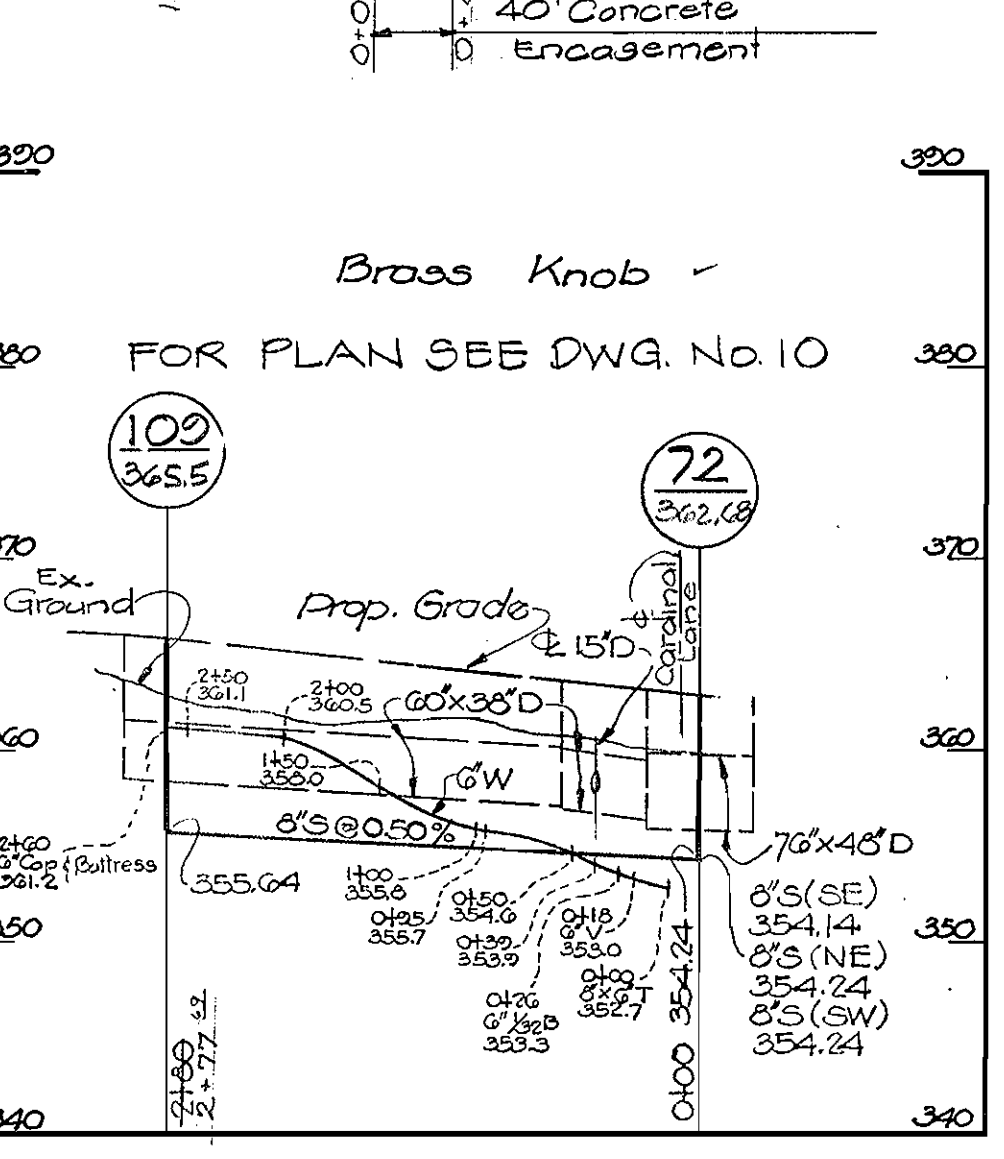
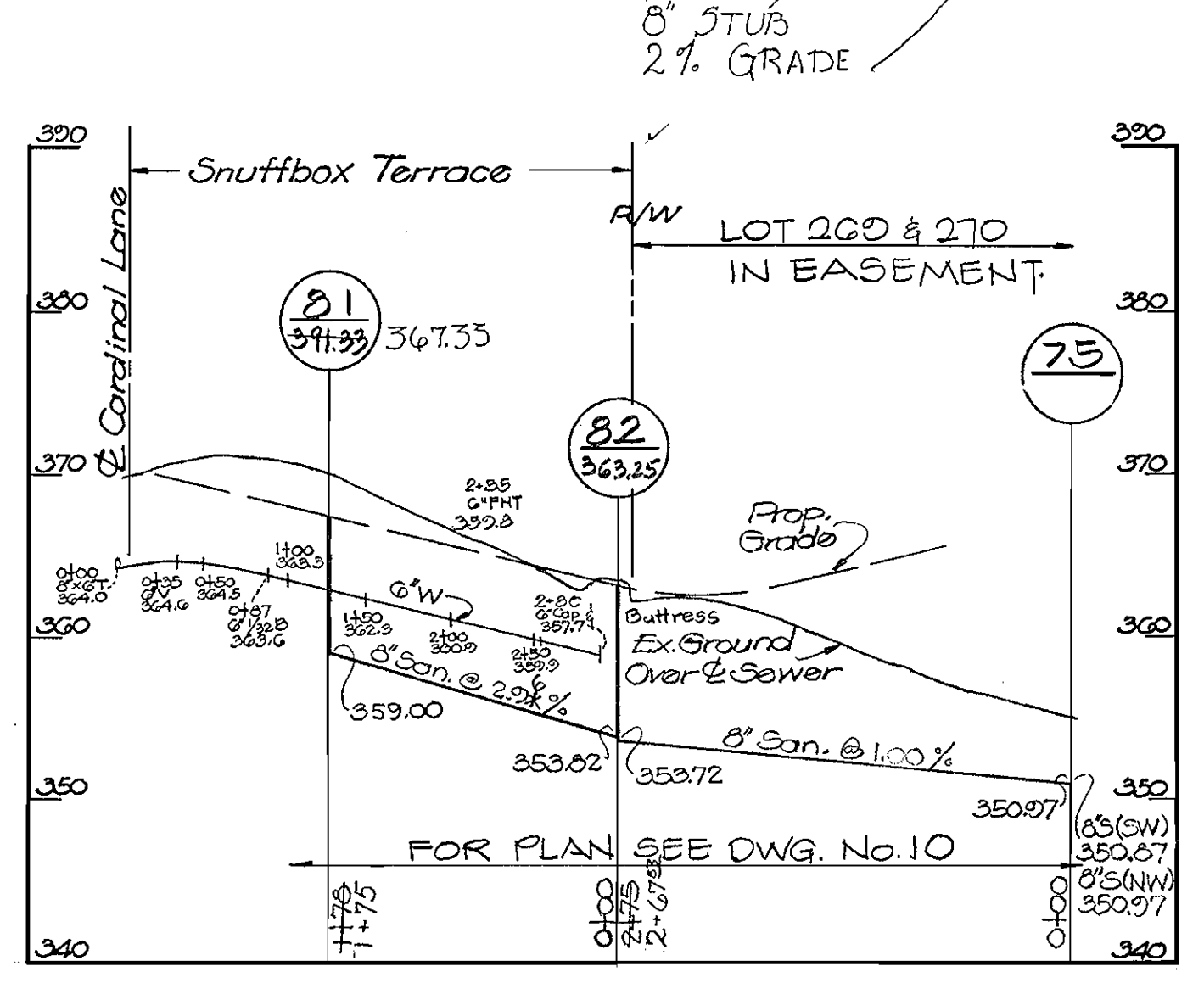
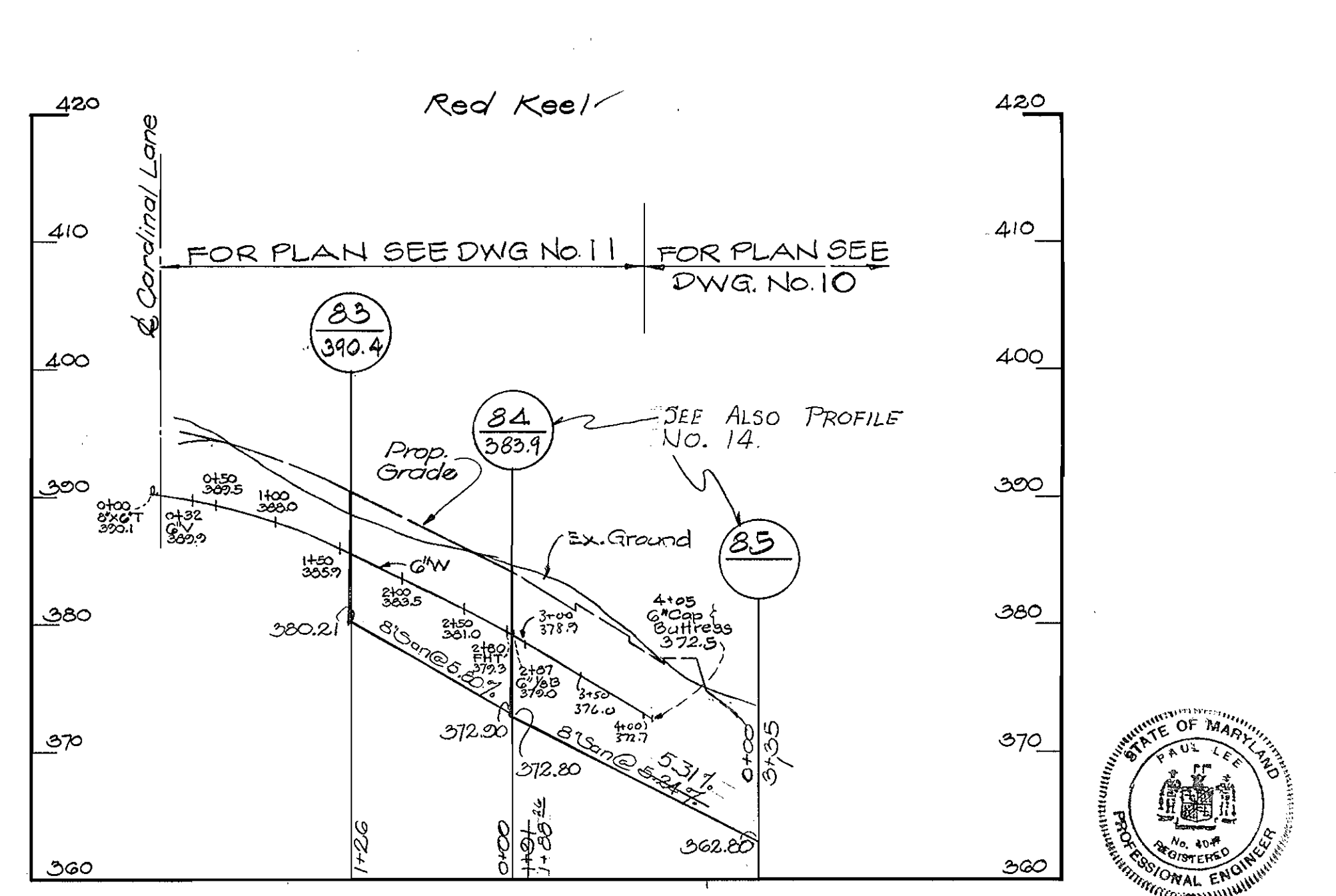
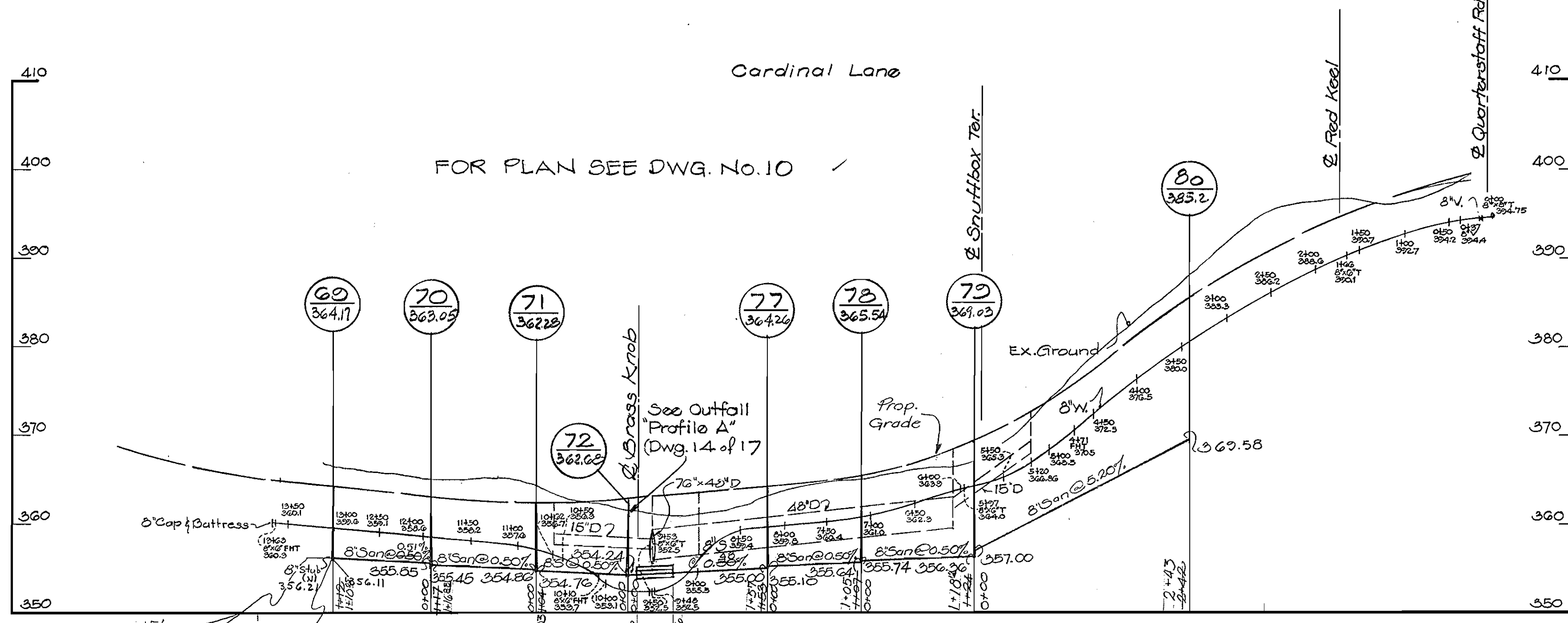
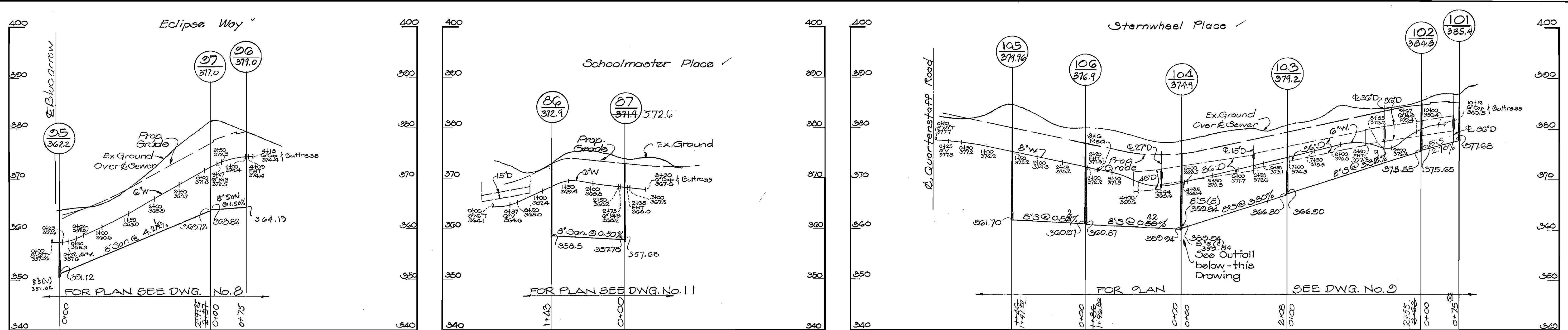
Village of Hickory Ridge, Sect. 1, Area 2

Contract No. 2356-D-W&S

<p>MATZ, CHILDS & ASSOCIATES, INC. ENGINEERS 1020 CROMWELL BRIDGE ROAD BALTIMORE, MARYLAND 21204</p>	<p>DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND 10-10-73 DATE W O Libert CHIEF BUREAU OF ENGINEERING</p>	<p>CONTRACT NO. 2356-D-W&S</p>	<p>PROFILES OF WATER & SEWER MAINS</p>	<p>COLUMBIA VILLAGE OF HICKORY RIDGE - SECT. 1, AREA 2 ELECTION DISTRICT - CLARKVILLE NO. 5</p>	<table border="1"> <tr> <td>DRAWING NO. 15</td> <td>SCALE H: 1"=100'</td> </tr> <tr> <td>OF 17</td> <td>V: 1"=10'</td> </tr> </table>	DRAWING NO. 15	SCALE H: 1"=100'	OF 17	V: 1"=10'
DRAWING NO. 15	SCALE H: 1"=100'								
OF 17	V: 1"=10'								

AS-BUILT SEPT. 1974

WS 556 W&S/15



Paul Lee

MATZ, CHILDS & ASSOCIATES, INC.
ENGINEERS
1020 CROMWELL BRIDGE ROAD
BALTIMORE, MARYLAND 21204

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
10-10-73 DATE
W O Libert
CHIEF, BUREAU OF ENGINEERING

CONTRACT NO. 2556-D-W-5

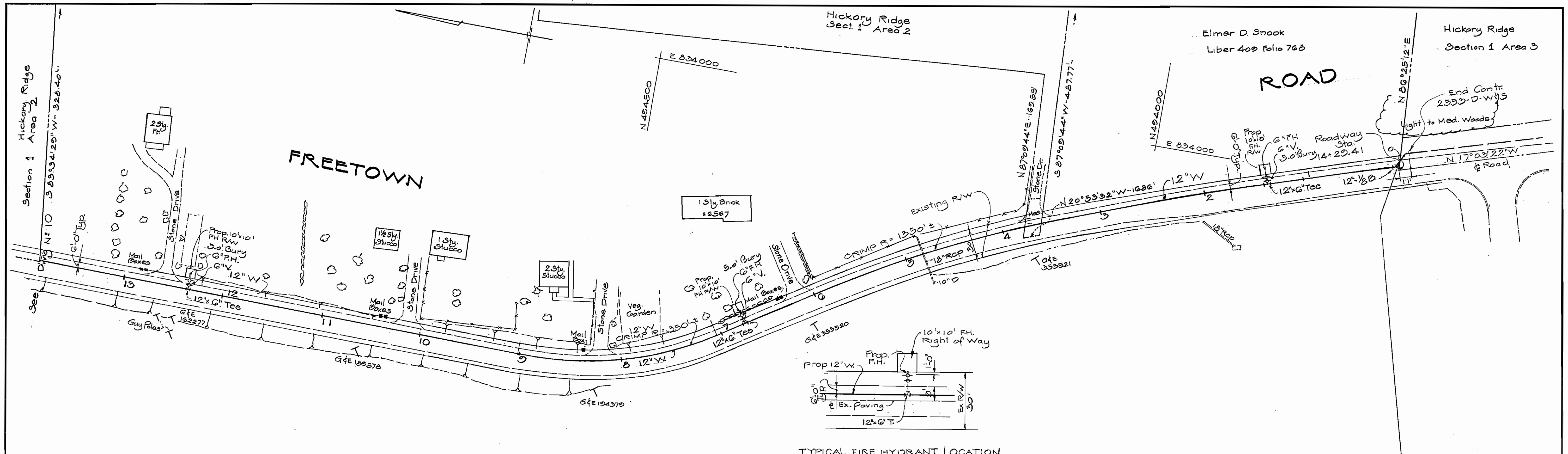
PROFILES OF
WATER & SEWER MAINS

VILLAGE OF HICKORY RIDGE - SECT. I, AREA 2
ELECTION DISTRICT - CLARKSVILLE NO. 5

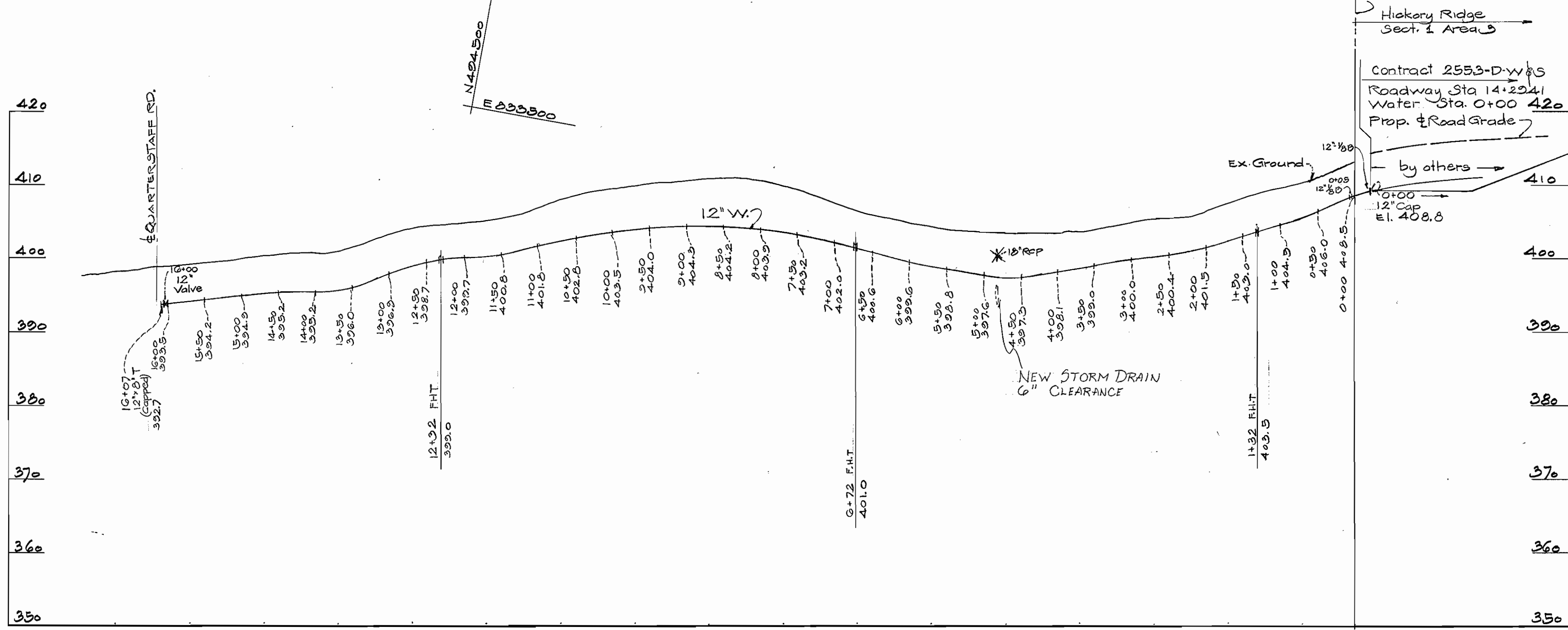
DRAWING NO. 16 OF 12
SCALE H: 1"=100'
V: 1"=10'

SEPT. 1974

WS 556 W45/16



TYPICAL FIRE HYDRANT LOCATION
Not to Scale



MATZ, CHILDS & ASSOCIATES, INC. ENGINEERS 1020 CROMWELL BRIDGE ROAD BALTIMORE, MARYLAND 21204	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND 10-10-73 DATE	CONTRACT NO. 2556-D-W&S W. O. Filbert CHIEF BUREAU OF ENGINEERING	PLAN AND PROFILE 12" WATER MAIN	COLUMBIA VILLAGE OF HICKORY RIDGE - SECT. 1, AREA 2 ELECTION DISTRICT - CLARKSVILLE NO. 5	DRAWING NO. 12 OF 17 SCALE: PLAN: 1"=50', PROFILE: 1"=100' Hor., 1"=10' Vert.
--	---	---	------------------------------------	---	--

AS-BUILT SEPT. 1974

WS 556 W&S/17