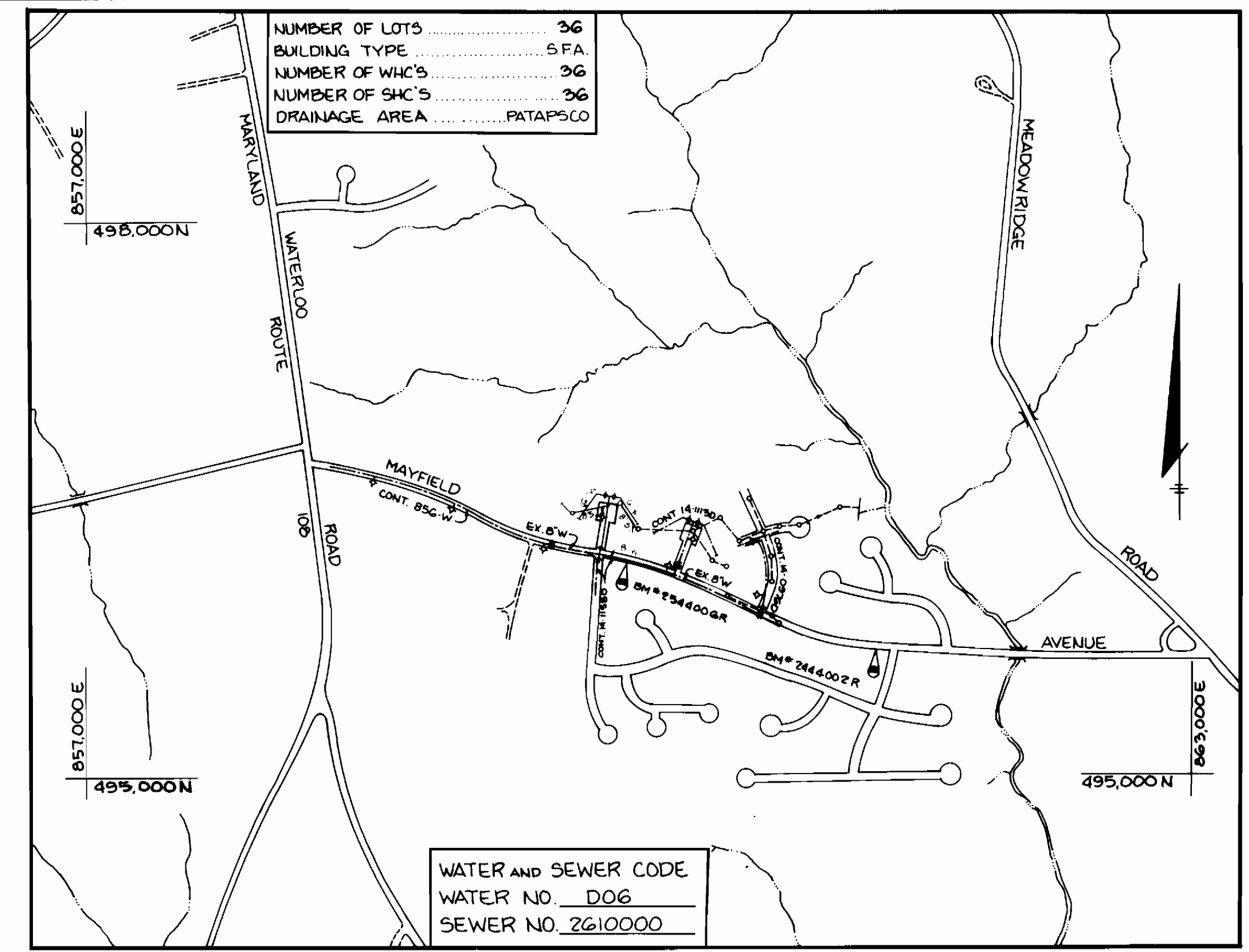


HOWARD SOIL CONSERVATION DISTRICT:
 REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT
 AND MEETS TECHNICAL REQUIREMENTS.
James M. Nelson 5-17-84
 U.S. SOIL CONSERVATION SERVICE DATE
 THIS PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT
 CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
Joseph K. Szymanski 5-17-84
 HOWARD SOIL CONSERVATION DISTRICT DATE

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE
 IMPLEMENTED IN ACCORDANCE WITH ARTICLE 15 OF THE
 HOWARD COUNTY STANDARD SPECIFICATIONS AND AS PER
 ROAD CONSTRUCTION PLANS #F-84-81

BENCH MARKS
 H.C. BM #2444002R ELEV. 283.474
 RB 02' BELOW SURFACE
 H.C. BM #2544006R ELEV. 303.923
 RB 02' BELOW SURFACE

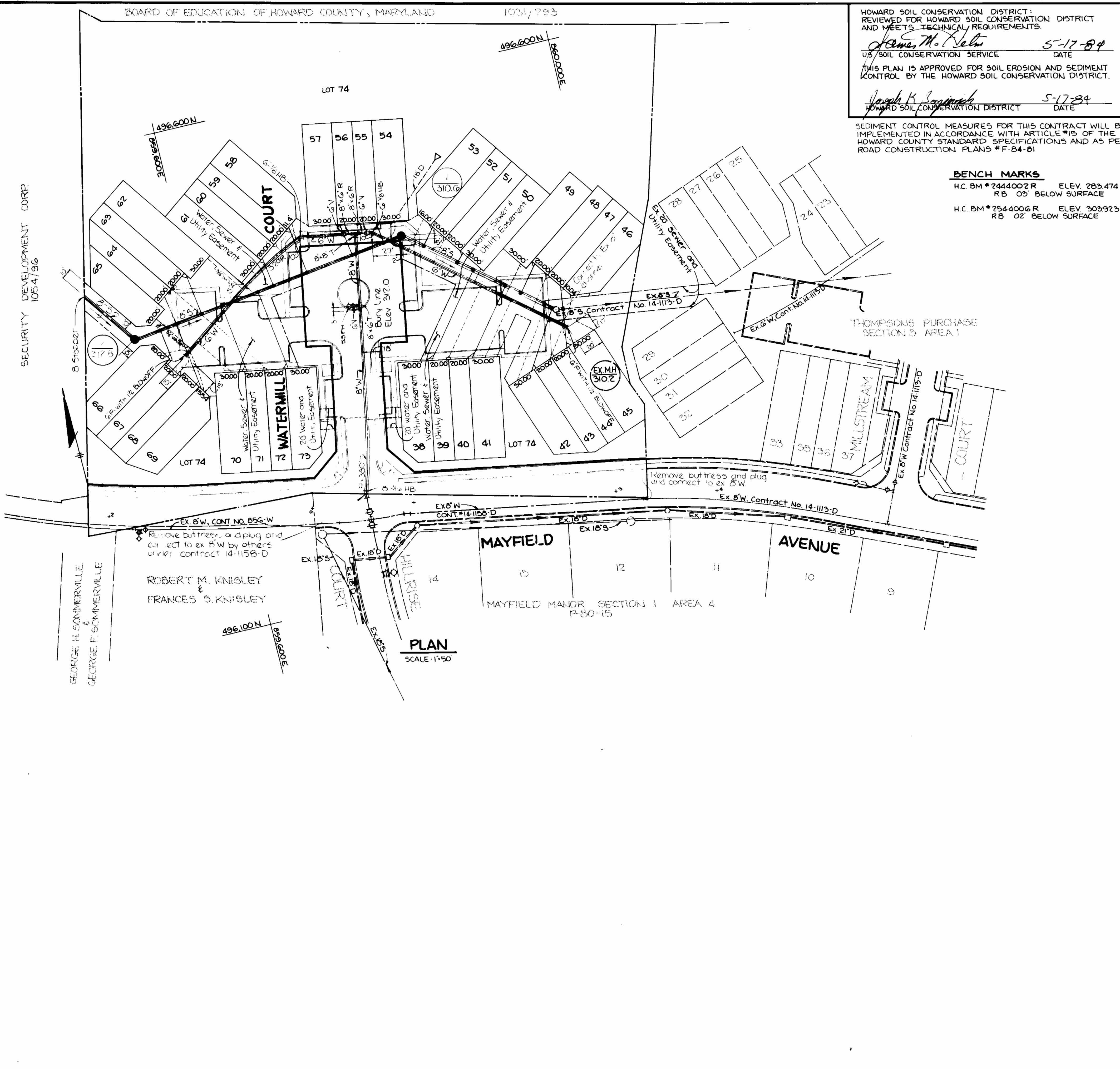


VICINITY MAP
 SCALE: 1" = 600'

GENERAL NOTES

1. THE APPROXIMATE LOCATIONS OF EXISTING MAINS ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES AND TO MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED DUE TO THE CONTRACTOR'S OPERATION SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
2. ALL HORIZONTAL CONTROLS ARE BASED ON MARYLAND STATE COORDINATES.
3. ALL VERTICAL CONTROLS ARE BASED ON U.S.G.S. DATUM.
4. ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
5. CLEAR ALL UTILITIES BY A MINIMUM OF 6'. CLEAR ALL POLES BY 2'-0" MINIMUM OR TUNNEL AS REQUIRED. ANY COST INCURRED TO THE CONTRACTOR FOR TUNNELING OR BRACING AT POLES SHALL BE INCLUDED IN UNIT PRICES BID FOR EXCAVATION AND BACKFILL.
6. FOR DETAILS NOT SHOWN ON THE DRAWING USE HOWARD COUNTY STANDARD DETAILS.
7. FOR MATERIALS AND CONSTRUCTION METHODS USE HOWARD COUNTY STANDARD SPECIFICATIONS.
8. CONTRACTOR SHALL LOCATE EXISTING UTILITIES A MINIMUM OF TWO (2) WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS IN THE VICINITY OF PROPOSED UTILITIES AT HIS OWN EXPENSE.
9. CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE (5) WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:
 STATE HIGHWAY ADMINISTRATION 331-5533
 BALTIMORE GAS AND ELECTRIC COMPANY - UNDERGROUND ELECTRIC DISTRIBUTION CUSTOMER SERVICE 685-0123
 BALTIMORE GAS AND ELECTRIC COMPANY - UNDERGROUND GAS DISTRIBUTION CUSTOMER SERVICE 685-0123
 ENGINEER - "DAMAGE CONTROL" 734-5621
 MISS UTILITY - 1-559-0100
 CHESAPEAKE AND POTOMAC (C&P) TELEPHONE COMPANY 725-9976
 AMERICAN TELEPHONE AND TELEGRAPH - CABLE LOCATION DIVISION 393-3553
 COLONIAL PIPELINE COMPANY 781-4641
 BUREAU OF UTILITIES HOWARD COUNTY 992-2366
10. TREES TO BE PROTECTED FROM DAMAGE TO MAXIMUM EXTENT. TREES LOCATED WITHIN THE CONSTRUCTION STRIP ARE NOT TO BE REMOVED OR DAMAGED BY THE CONTRACTOR.
11. CONTRACTOR SHALL REMOVE TREES, STUMPS AND ROOTS ALONG LINE OF EXCAVATION AS DIRECTED BY THE ENGINEER. PAYMENT FOR SUCH REMOVAL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR EXCAVATION & BACKFILL.
12. PLACE REGULATION "MEN WORKING" AND WARNING SIGNS AS REQUIRED TO COMPLY WITH MARYLAND STATE HIGHWAY ADMINISTRATION MANUAL OF TRAFFIC CONTROL FOR HIGHWAY CONSTRUCTION AND MAINTENANCE OPERATIONS.
13. ALL WATER MAINS TO BE C/P OR D/P UNLESS OTHERWISE NOTED.
14. TOP OF ALL WATER MAINS TO HAVE A MINIMUM OF 3" COVER UNLESS OTHERWISE NOTED.
15. VALVES ADJACENT TO TEES SHALL BE STRAPPED TO TEES.
16. BLOCK ALL FITTINGS WITH CONCRETE.
17. BURY LINE ELEVATIONS ON FIRE HYDRANTS SHALL BE SET TO THE ELEVATIONS SHOWN ON THE DRAWING. ALL FIRE HYDRANTS SHALL BE STRAPPED AND BUTTRESSED WITH CONCRETE IN ACCORDANCE WITH STANDARD DETAILS SOIL AROUND THE FIRE HYDRANT TO BE COMPACTED IN ACCORDANCE WITH SECTION 1003 OF THE STANDARD SPECIFICATIONS.
18. ALL WATER HOUSE CONNECTIONS SHALL BE SET FOR INSIDE METER SETTING.
19. THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING SYSTEM.
20. ALL SEWER MAINS SHALL BE C.S.P.X., V.C.P.X., PVC OR ACP CLASS 2400 UNLESS OTHERWISE NOTED.
21. THE CONTRACTOR SHALL PROVIDE A JOINT IN ALL SEWER MAINS WITHIN 2'-0" OF EXTERIOR MANHOLE WALLS.
22. ALL MANHOLES SHALL BE 4'-0" INSIDE DIAMETER, UNLESS OTHERWISE NOTED.
23. MANHOLES DESIGNATED WT. IN PLAN AND PROFILE SHALL HAVE WATERTIGHT FRAME AND COVERS, STANDARD DETAIL G-552, WHERE WATERTIGHT MANHOLE FRAME AND COVER IS USED, SET TOP OF FRAME 1'-6" ABOVE FINISHED GRADE.
24. HOUSES WITH THE SYMBOL C.N.S. INDICATES THAT CELLAR CAN NOT BE SERVED.
25. NO PIPE CAN BE LAID UNTIL LINES OF EXCAVATION HAVE BEEN BROUGHT TO SUBGRADE.
26. FOR ALL COPPER WATER HOUSE CONNECTIONS, UTILIZE FLARE TYPE FITTINGS ONLY.

QUANTITIES			
ITEM	PROPOSED	AS BUILT	SUPPLIER
Fire Hydrants	1		
8" Water	260		
6" Water	460		
6" Valves	2		
1" W.H.C.	380		
2 1/2" W.H.C.	580		
Manholes	2		
8" Sewer	520		
6" S.H.C.	825		
1 1/2" Blow Off	2		



PLAN
 SCALE: 1" = 50'

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
Shay F. Nemej 5-22-84
 DIRECTOR OF PUBLIC WORKS DATE
Robert M. Knisley 5-21-84
 CHIEF, BUREAU OF UTILITIES DATE

TRACY, SCHULTE
 & ASSOCIATES INC.
 planning architecture engineering
 8450 Baltimore National Pike Suite 34
 Ellicott City, Maryland 21043

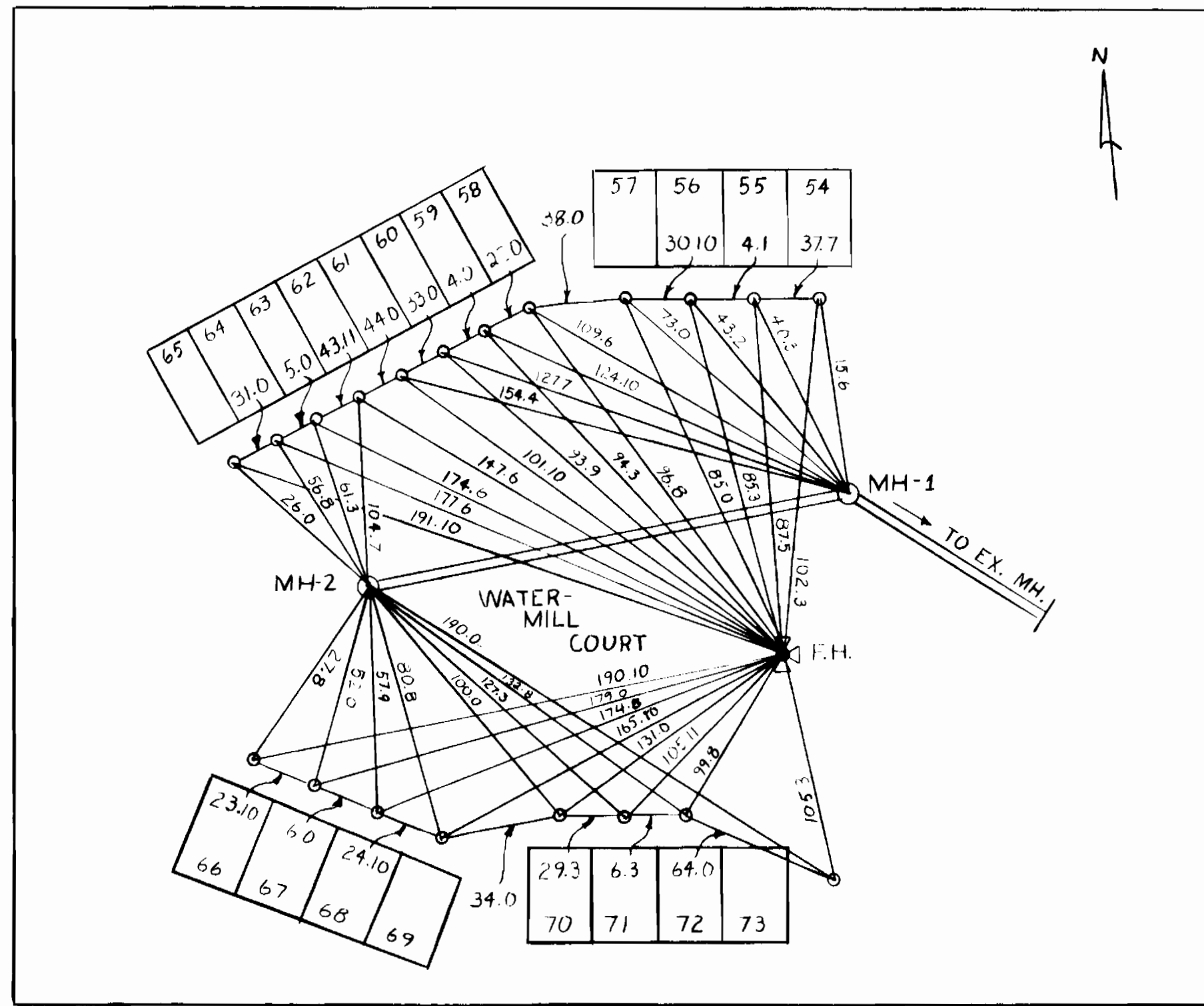


DES: RJW					
DRN: KAM					
CHK: JKT					
DATE: 2-22-84	KAM	1	CHANGES TO LOT LAYOUT	6-14-84	
	BY	NO.	REVISION	DATE	

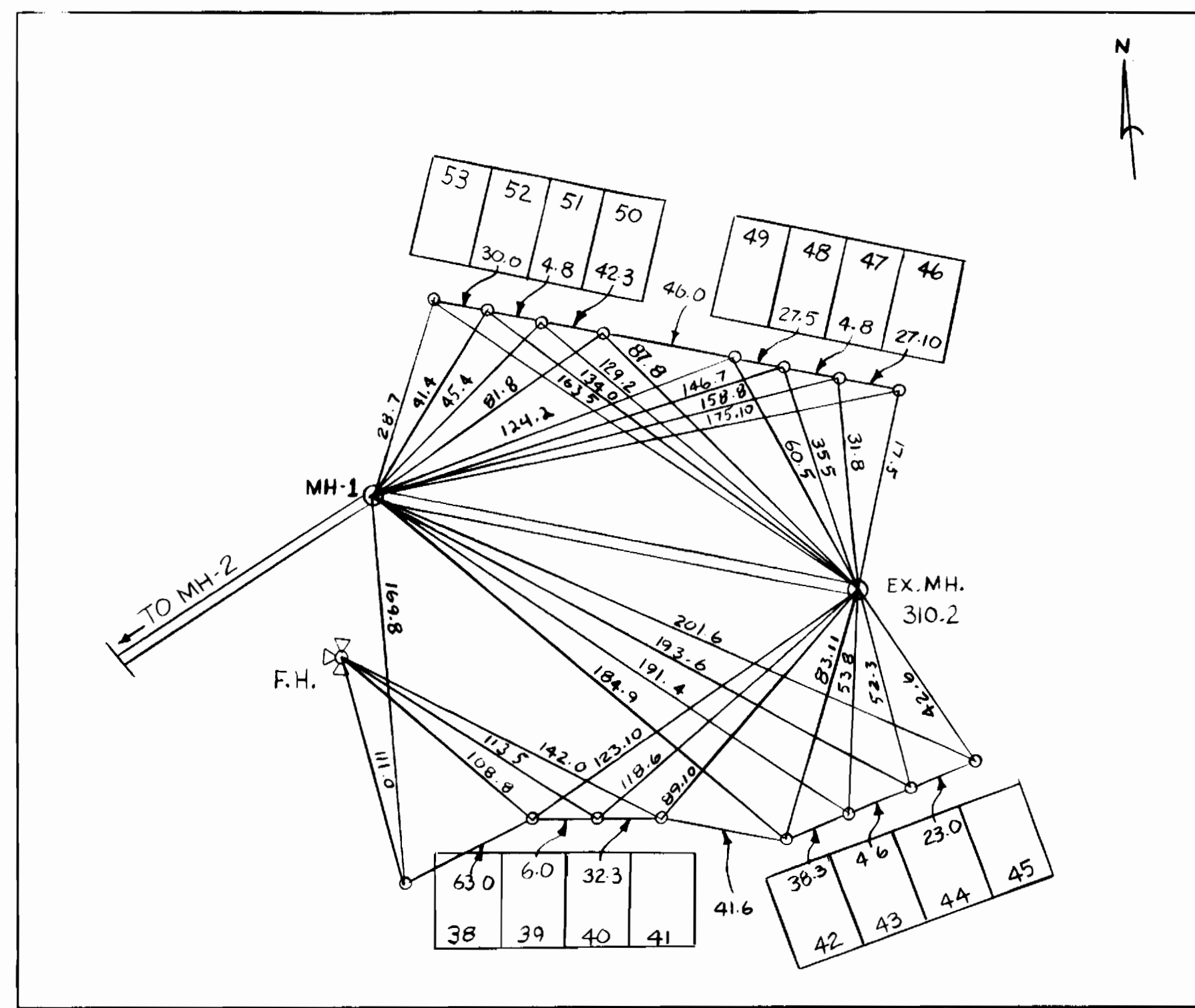
**PLAN OF
 WATER AND SEWER MAINS**

THOMPSONS PURCHASE
 SECTION 3 AREA 2
 ELECTION DISTRICT NO. 1
 CONTRACT NO. 14-1197-D

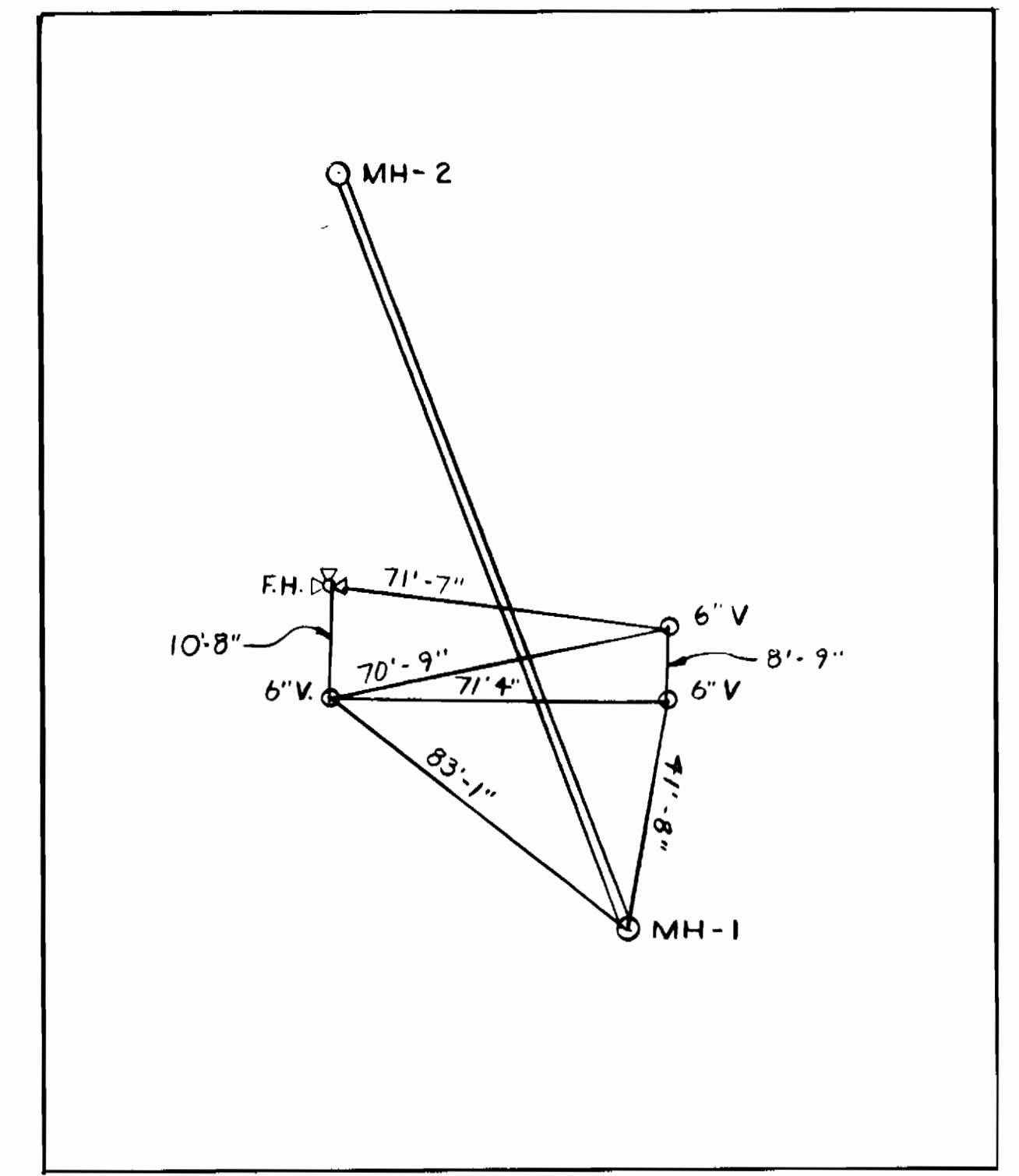
SCALE AS SHOWN
 SHEET 1 OF 2



WATER HOUSE CONNECTION
NOT TO SCALE

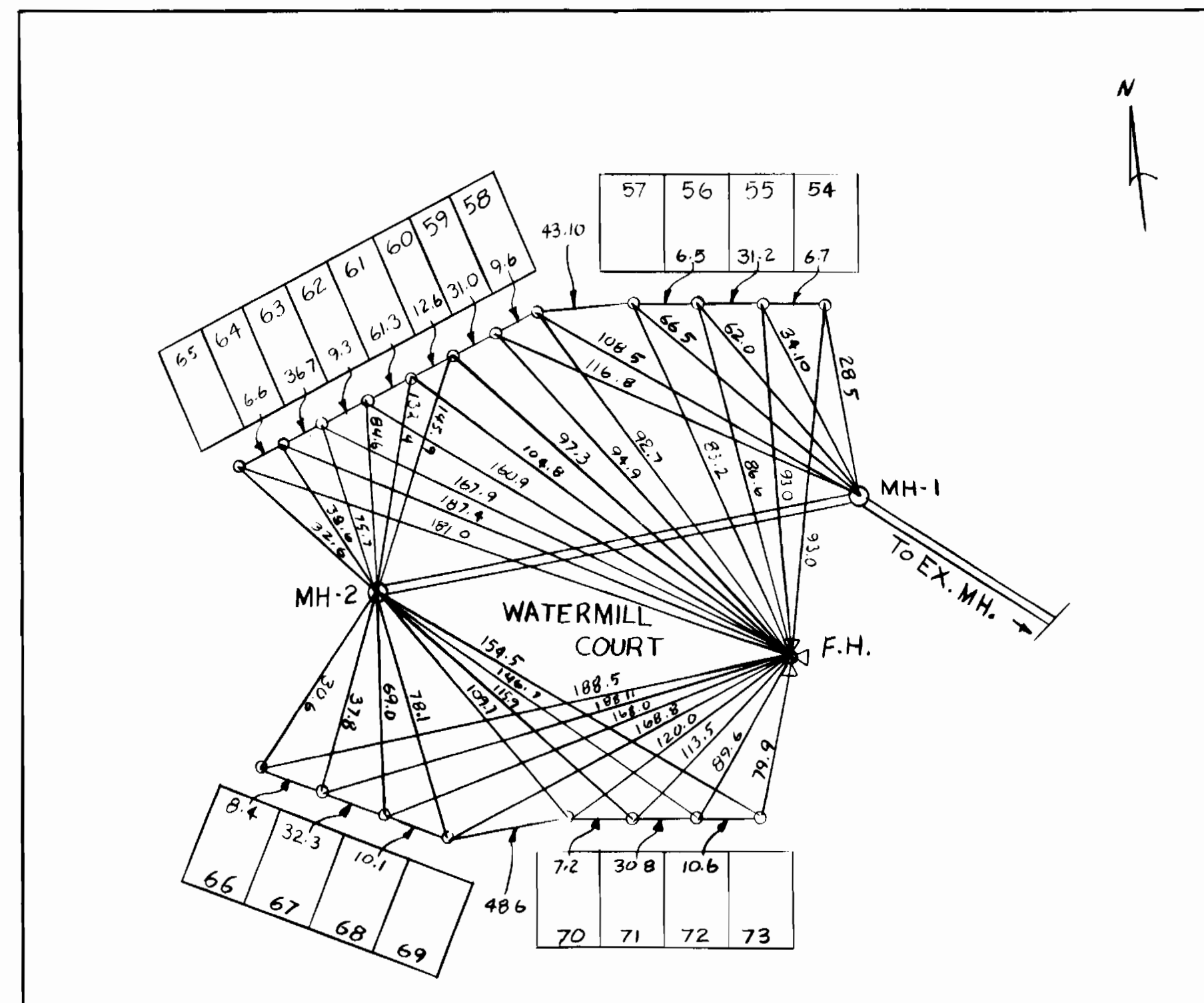


WATER HOUSE CONNECTION
NOT TO SCALE

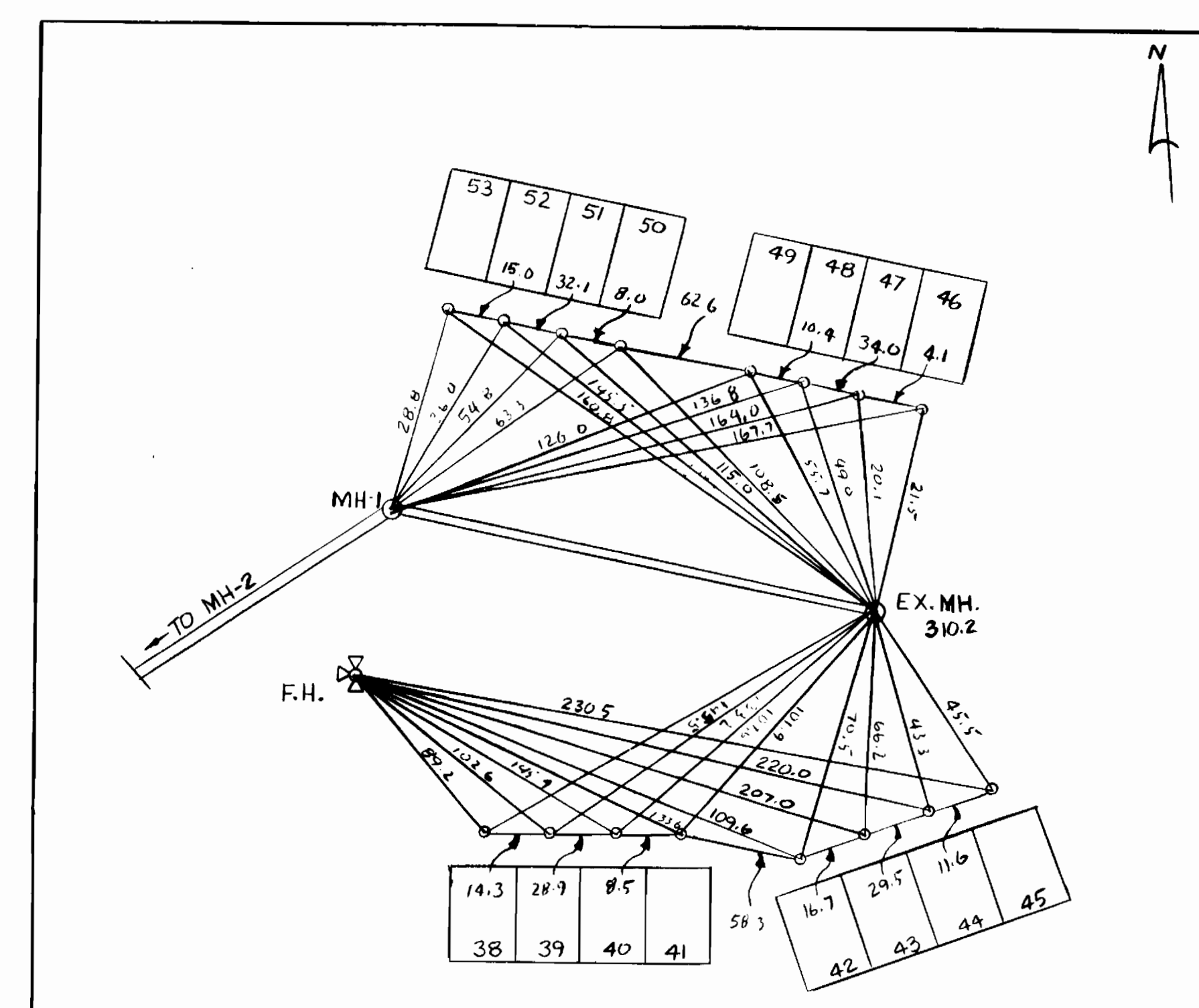


WATER AS-BUILT
NOT TO SCALE

NOTE: ALL DRAWING ON THIS SHEET REFER TO SHEET 1 OF 2



SEWER HOUSE CONNECTION
NOT TO SCALE



SEWER HOUSE CONNECTION
NOT TO SCALE

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

DIRECTOR OF PUBLIC WORKS _____ DATE _____ CHIEF, BUREAU OF ENGINEERING _____ DATE _____

DES:				
DRN:				
CHK:				
DATE:	BY	NO.	REVISION	DATE

600' SCALE MAP NO. _____ BLOCK NO. _____

SCALE AS SHOWN

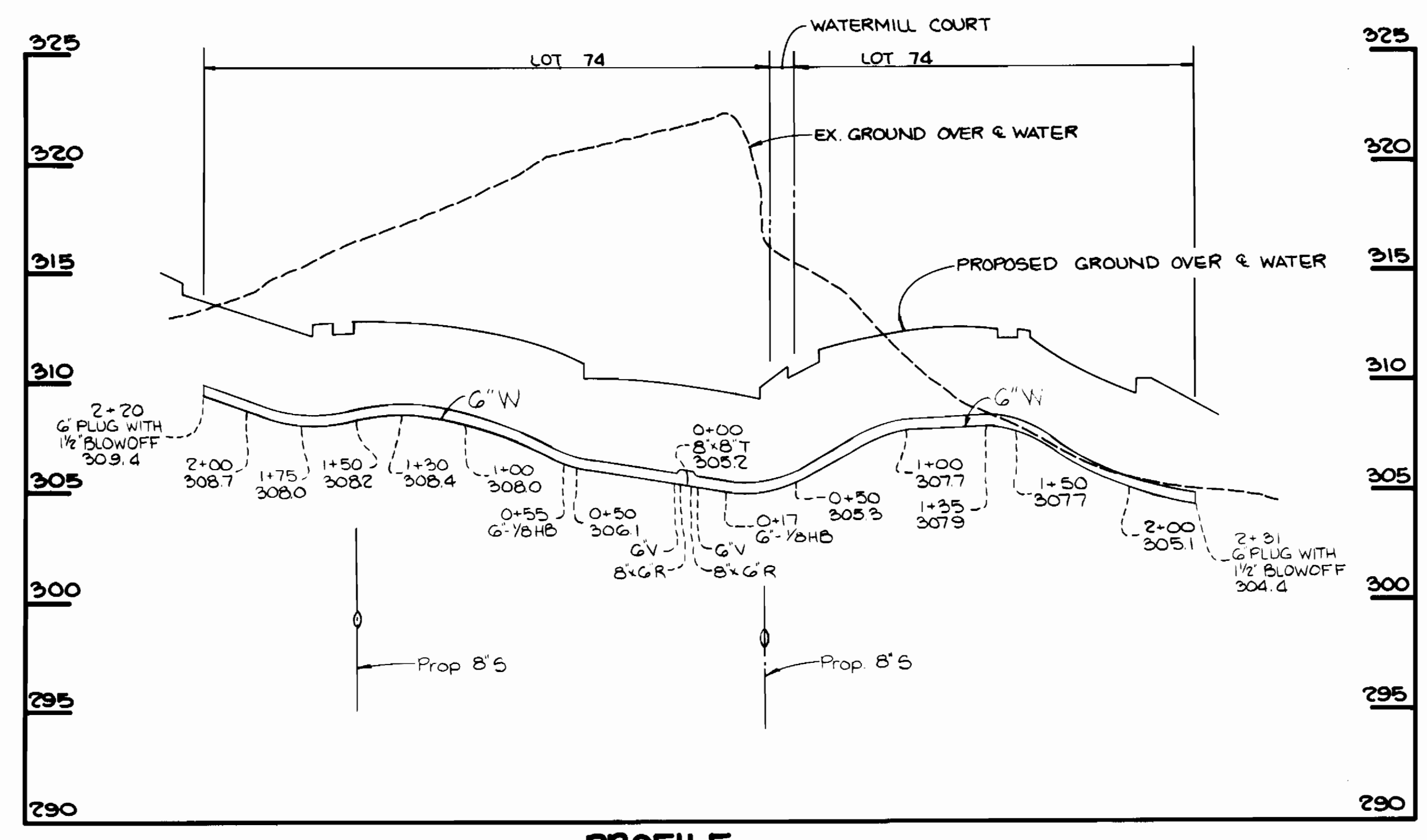
SHEET 1-A OF 2

CONTRACT NO. 14-1197-D

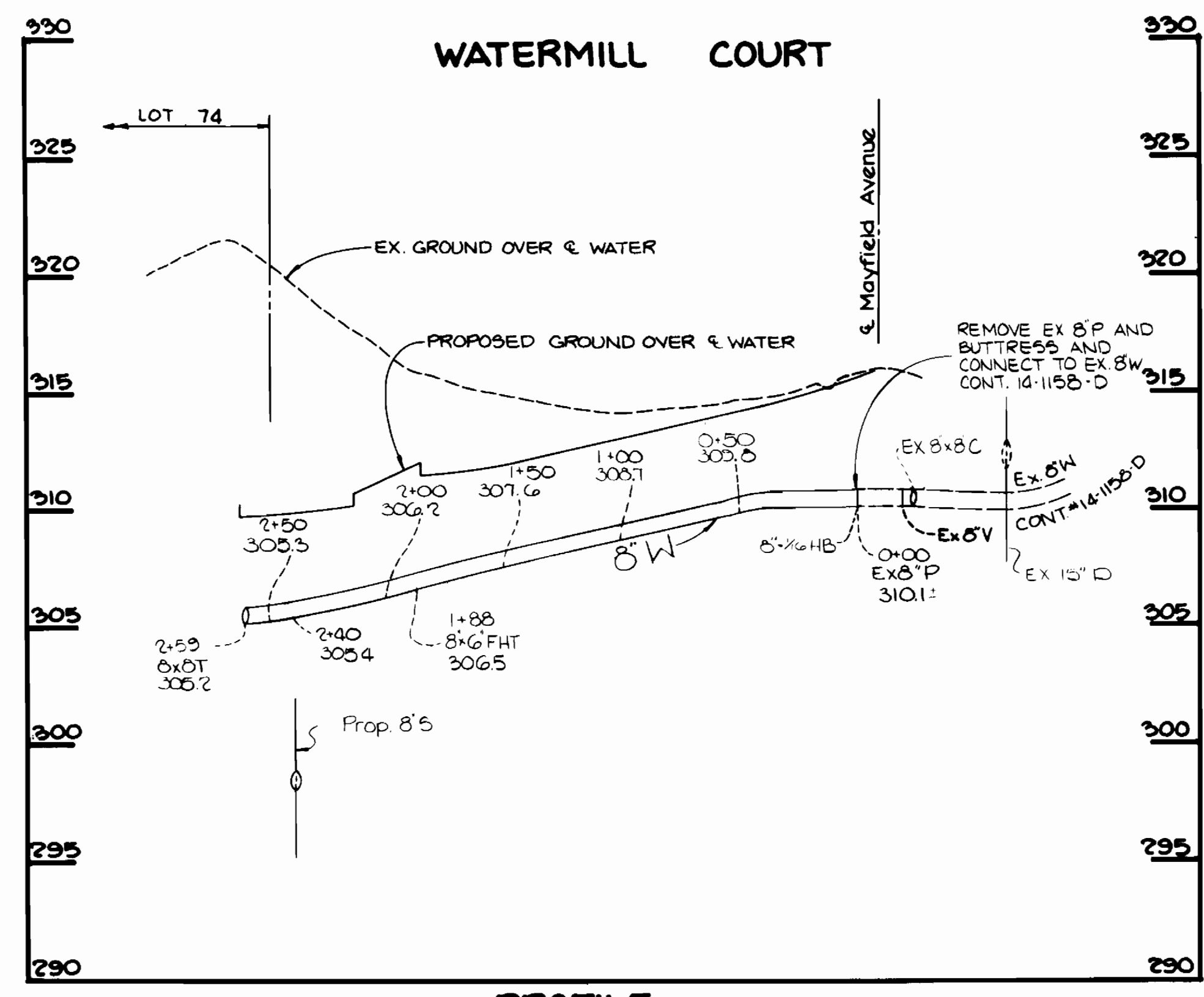
AS-BUILT 6-23-86

SEWER HOUSE CONNECTION - INVERT ELEVATION AT PROPERTY LINE

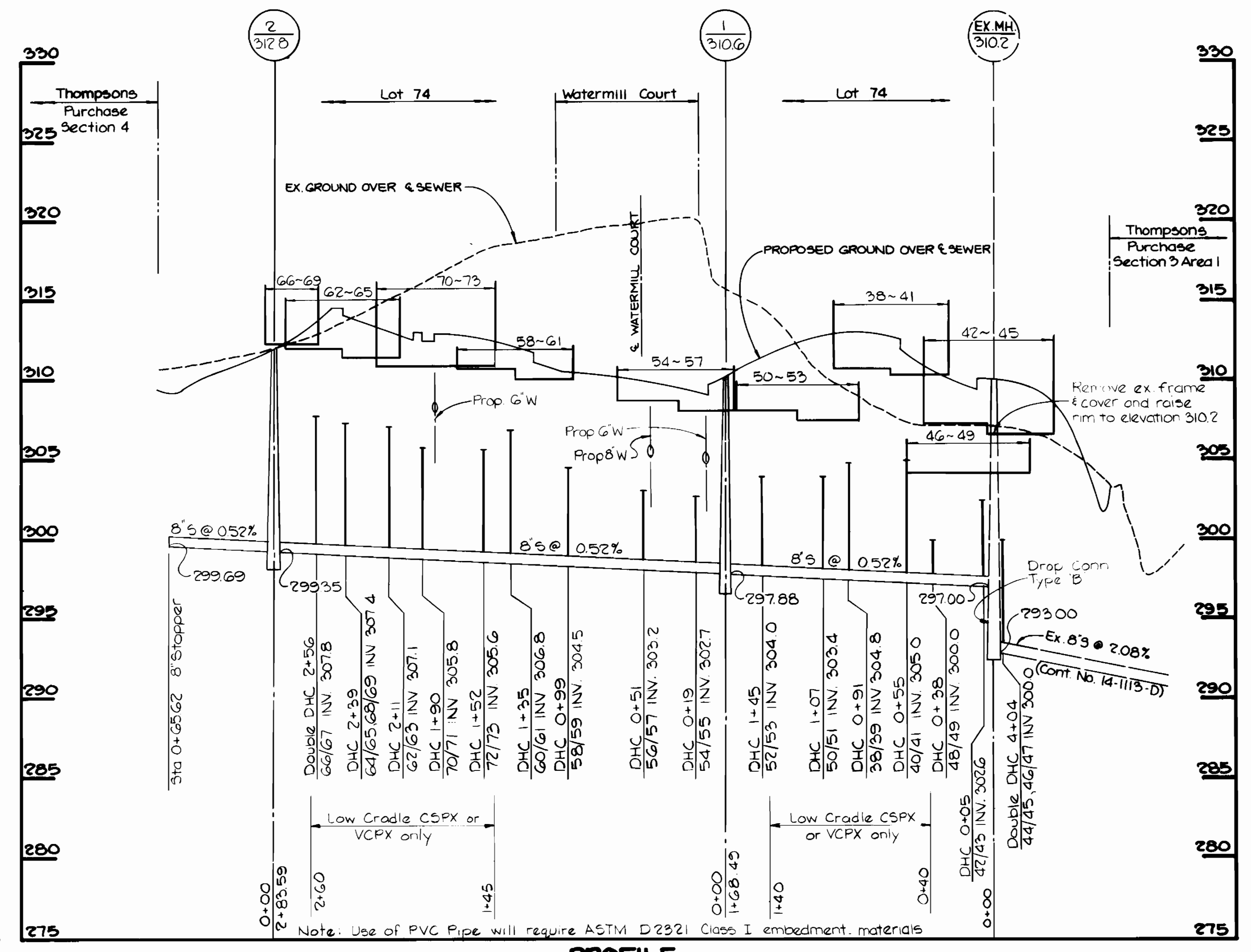
STATION	LOT	INVERT	STATION	LOT	INVERT
EX. MH. 2 TO EX. MH. 3					
4+04 L	44	300.74	0+19 R	54	303.12
4+04 L	45	300.74	0+19 R	55	303.12
4+04 R	46	300.42	0+51 R	56	303.86
4+04 R	47	300.42	0+51 R	57	303.86
EX. MH. 3 TO MH. 1					
0+05 L	42	303.88	0+99 R	58	305.44
0+05 L	43	303.88	0+99 R	59	305.44
0+39 R	48	300.66	1+39 R	60	307.36
0+39 R	49	300.66	1+52 L	71	307.22
0+55 L	40	306.60	1+52 L	72	307.22
0+55 L	41	306.60	1+90 L	73	307.16
0+91 L	38	306.80	1+90 L	74	307.16
0+91 L	39	306.80	2+11 R	62	307.96
1+07 R	50	308.64	2+11 R	63	307.96
1+07 R	51	308.64	2+39 L	64	308.72
1+45 R	52	304.46	2+39 L	65	308.72
1+45 R	53	304.46	2+56 R	66	308.00
			2+56 R	67	308.00
			2+56 L	68	308.50
			2+56 L	69	308.50



PROFILE
SCALE: H: 1"=50'
V: 1"=5'



PROFILE
SCALE: H: 1"=50'
V: 1"=5'



PROFILE
SCALE: H: 1"=50'
V: 1"=5'

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

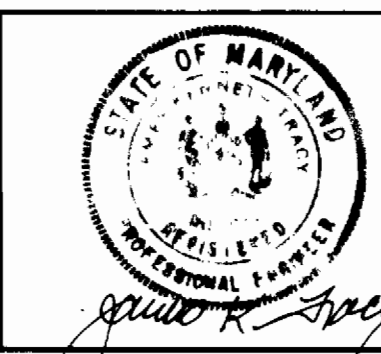
Shawn F. Neuman 5-22-84
DIRECTOR OF PUBLIC WORKS DATE

Robert M. Reisinger 5-21-84
CHIEF, BUREAU OF UTILITIES DATE

William B. Reisinger 5/24/84
CHIEF, BUREAU OF ENGINEERING DATE

William B. Reisinger 5/24/84
CHIEF, LAND DEVELOPMENT DIVISION DATE

TRACY, SCHULTE
& ASSOCIATES INC.
planning architecture engineering
8450 Baltimore National Pike Suite 34
Ellicott City, Maryland 21043



DES: RJW
DRN: KAM
CHK: JKT
KAM 1 LOT LAYOUT CHANGES TO PROFILES 6/4/84
DATE: 2-22-84
BY NO. REVISION DATE

PROFILES OF
WATER AND SEWER MAINS
600' SCALE MAP NO. 37 BLOCK NO. 14.15

THOMPSONS PURCHASE
SECTION 3 AREA 2
ELECTION DISTRICT NO. 1
CONTRACT NO. 14-1197-D

SCALE AS SHOWN
SHEET 2 OF 2