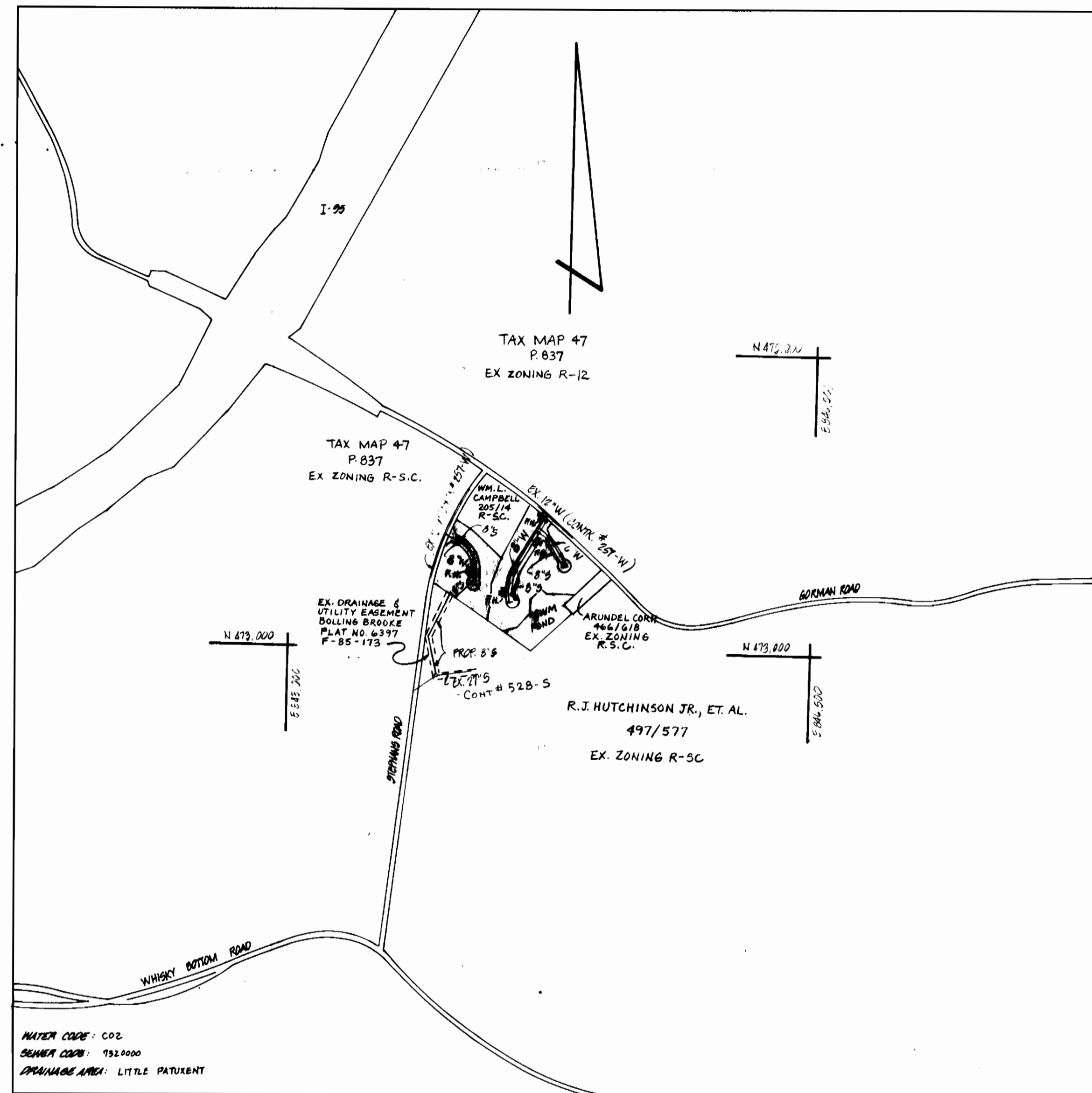


TYPE OF BUILDING	SINGLE FAMILY
NUMBER OF LOTS	51
NUMBER OF SHC'S	51
NUMBER OF WHC'S	51
DRAINAGE AREA	LITTLE PATUKENT



VICINITY MAP
SCALE: 1"=100'

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 MIN. OF 6" CLEAR ALL POLES BY 2'-0" MIN. OR TUNNEL AS REQUIRED. ANY COST INCURRED TO THE CONTRACTOR FOR TUNNELING OR BRACING AT POLES SHALL BE INCLUDED IN UNIT PRICES BID FOR CONSTRUCTION OF THE MAIN.
- FOR DETAILS NOT SHOWN ON THE DRAWINGS USE HO. CO. STANDARD DETAILS.
- FOR MATERIALS AND CONSTRUCTION METHODS USE HO. CO. STANDARD SPECIFICATIONS.
- CONTRACTOR SHALL LOCATE EXISTING UTILITIES A MIN. OF TWO WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS IN THE VICINITY OF PROPOSED UTILITIES AT HIS OWN EXPENSE.
- CONTRACTOR SHALL NOTIFY THE FOLLOWING AGENCIES OR UTILITIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:
 STATE HIGHWAY ADMINISTRATION - 531-5533
 BALTO. GAS & ELECTRIC CO. - UNDERGROUND ELECTRIC DISTRIBUTION CUSTOMER SERVICE - 685-0123
 BALTO. GAS & ELECTRIC CO. - UNDERGROUND GAS DISTRIBUTION CUSTOMER SERVICE - 685-0123
 ENGINEERING - "DAMAGE CONTROL" - 234-5621
 "MISS UTILITY" - 1-559-0100
 CHESAPEAKE & POTOMAC (C&P) TELEPHONE COMPANY - 725-9976
 AMERICAN TELEPHONE & TELEGRAPH - CABLE LOCATION DIVISION - 393-3553
 COLONIAL PIPELINE COMPANY - 794-1390
 BUREAU OF UTILITIES HOWARD COUNTY - 992-2366
- TREES ARE TO BE PROTECTED FROM DAMAGE TO MAX. EXTENT. TREES 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 AS DIRECTED BY THE ENGINEER. PAYMENT FOR SUCH REMOVAL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CONSTRUCTION OF THE MAIN.
- PLACE REGULATION "MEN WORKING" AND WARNING SIGNS AS REQUIRED TO COMPLY WITH MARYLAND STATE HIGHWAY ADMINISTRATION MANUAL TRAFFIC CONTROL FOR HIGHWAY CONSTRUCTION AND MAINTENANCE OPERATIONS.
- ALL WATER MAINS TO BE D.I.P. UNLESS OTHERWISE NOTED.
- TOP OF ALL WATER MAINS TO HAVE A MIN. OF 3-1/2" COVER UNLESS OTHERWISE NOTED.
- VALVES ADJACENT TO TEES SHALL BE STRAPPED TO TEES.
- BLOCK ALL FITTINGS WITH CONCRETE
- BURY LINE ELEVATIONS ON FIRE HYDRANTS SHALL BE SET TO THE 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 TO BE COMPACTED IN ACCORDANCE WITH SECTIONS 1003 AND 1008 OF THE STANDARD SPECIFICATIONS.
- ALL WATER HOUSE CONNECTIONS SHALL BE FOR AN INSIDE METER SETTING.
- THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING SYSTEM.
- ALL SEWER MAINS SHALL BE C.S.P.X., R.C.S.P., V.C.P.X., A.C.P. CLASS 2400 OR PVC 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 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, STANDARD DETAIL G.5.41.
- HOUSE(S) WITH THE SYMBOL "C.N.S." INDICATES THAT CELLAR CANNOT BE SERVED.
- FOR ALL COPPER WATER HOUSE CONNECTIONS, UTILIZE FLARED TYPE FITTINGS ONLY.

SEDIMENT CONTROL MEASURES WILL BE IMPLEMENTED IN ACCORDANCE WITH ARTICLE NO. 15 OF THE SPECIFICATIONS AND WITH F 86-177

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS
John M. Helms 8-20-86
 U.S. SOIL CONSERVATION SERVICE DATE

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

APPROVED:
Robert W. Zielman 8/20/86
 HOWARD SCD DATE

ITEM	QUANTITIES		MATERIAL/SUPPLIER
	QTY	AS BUILT	
8" W	265 LF	765 LF.	CL-52 DIP GRIFFIN PIPE CO.
6" W	546 LF	546 L.F.	" " " "
12" x 8" TAP & V.	2		M.H. VALVE CO.
8" x 8" T	2		CL-250 GRIFFIN PIPE CO.
PH	4		KENNEDY
1" W	1		M.H. VALVE CO.
0" (NOT FR)	1		" " " "
1" WNC	555 LF		TYPE K COPPER HALSTED METALS
3/4" WNC	615 LF		" " " "
8" S	2476 LF		SDR 35 PVC AMERICAN PIPE
MANHOLES	17		PRE-CAST CONC. ATLANTIC CONCRETE PRODUCTS CO.
6" S. H.C.	845 LF		SDR 35 PVC AMERICAN PIPE
1 1/2" W/M DRAINS	3		FORD METER BOX

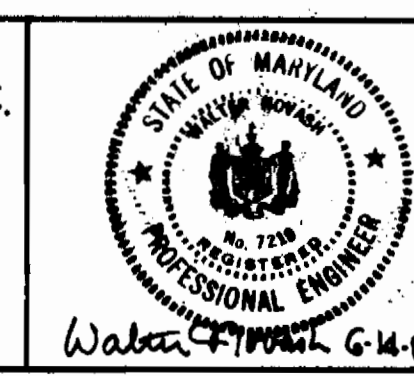
DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND

John M. Helms 8-20-86
 DIRECTOR OF PUBLIC WORKS DATE

Robert W. Zielman 8/20/86
 CHIEF, BUREAU OF UTILITIES DATE

Robert W. Zielman 8/20/86
 CHIEF, LAND DEVELOPMENT DIV. DATE

BOENDER ASSOCIATES, INC.
 ENGINEERS - PLANNERS - SURVEYORS
 3565 ELLICOTT MILLS DRIVE
 ELLICOTT CITY, MARYLAND 21045
 465-7777



DES: —			
DRN: DP			
CHK: WN			
DATE: APRIL, 1986	BY	NO.	REVISION

TITLE SHEET

ROBINSON'S PROMISE
 6TH ELECTION DISTRICT
 CONTRACT NO. 24-1496-D

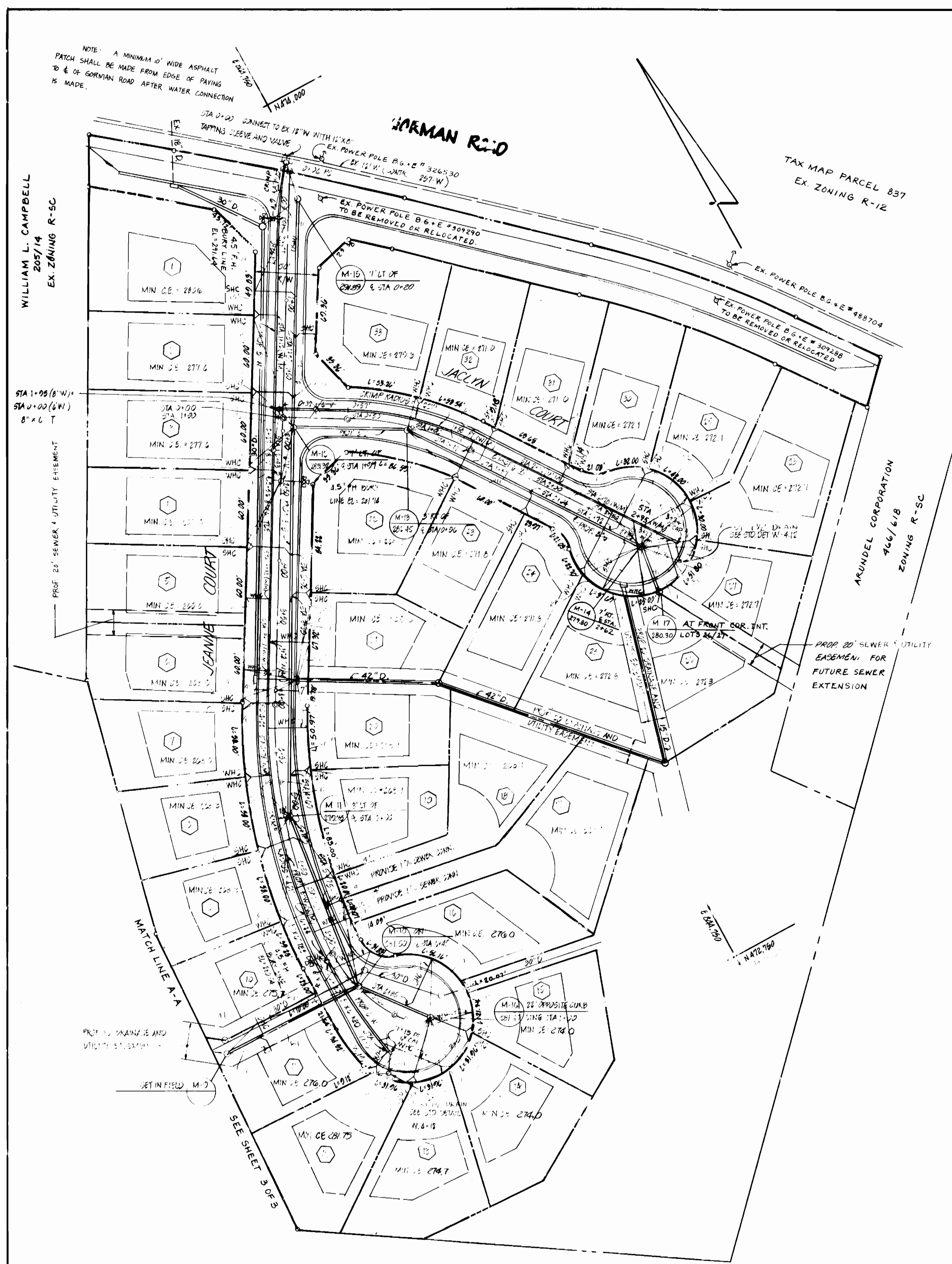
SCALE AS SHOWN

8 SHEET
 1 OF 8

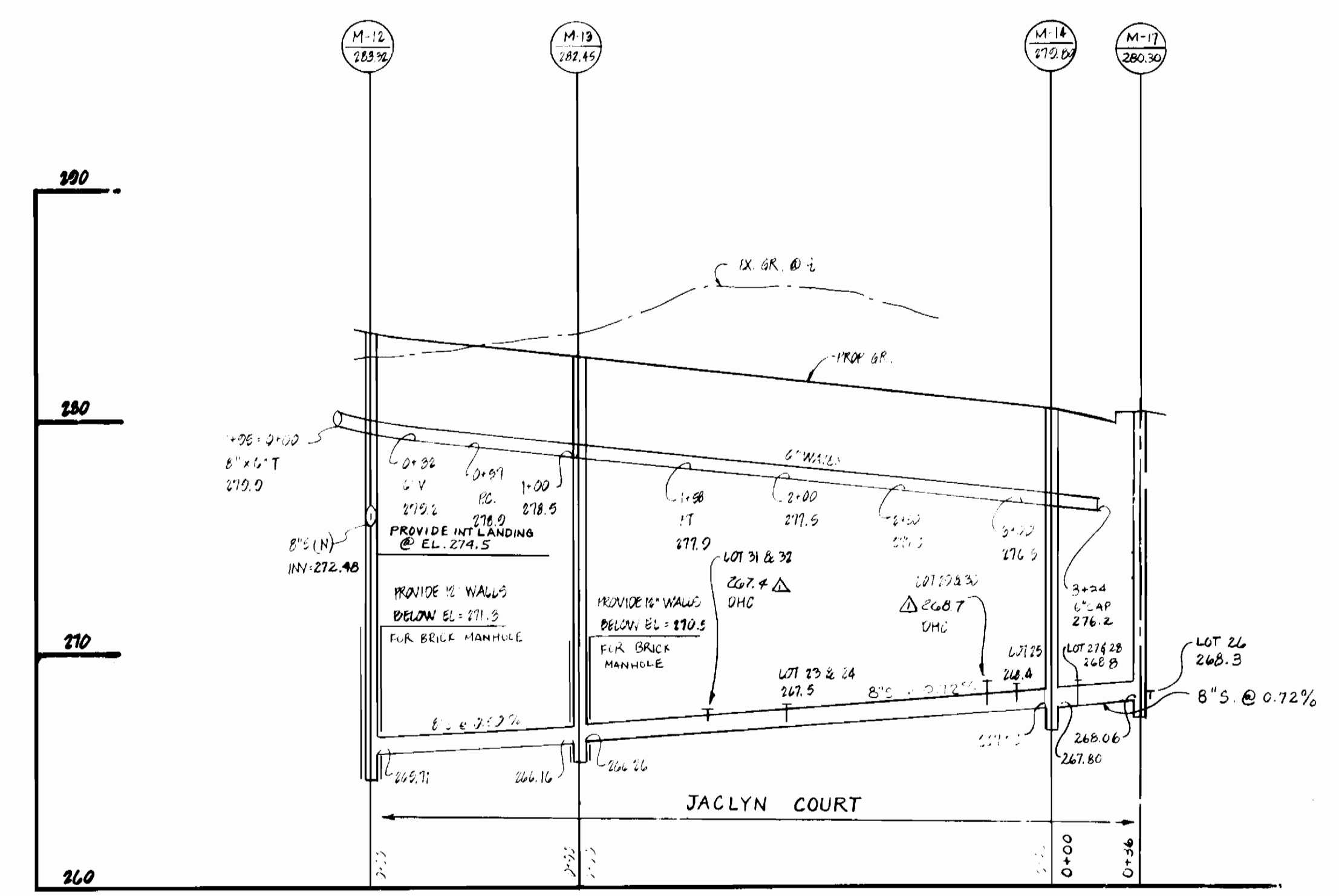
SEWER HOUSE CONNECTIONS

LOT	INN @ E. Δ	INN @ SEWER MAIN
1	277.4	276.8
2	274.2	273.5
3	274.0	273.1
4	269.4	268.5
5	269.5	268.5
6	267.5	266.9
7	267.5	266.9
8	267.5	266.9
9	267.5	266.9
10	267.5	266.9
11	267.5	266.9
12	267.5	266.9
13	267.5	266.9
14	267.5	266.9
15	267.5	266.9
16	267.5	266.9
17	267.5	266.9
18	267.5	266.9
19	267.5	266.9
20	267.5	266.9
21	267.5	266.9
22	267.5	266.9
23	267.5	266.9
24	267.5	266.9
25	267.5	266.9
26	267.5	266.9
27	267.5	266.9
28	267.5	266.9
29	267.5	266.9
30	267.5	266.9
31	267.5	266.9
32	267.5	266.9
33	267.5	266.9
34	267.5	266.9
35	267.5	266.9
36	267.5	266.9
37	267.5	266.9
38	267.5	266.9
39	267.5	266.9
40	267.5	266.9
41	267.5	266.9
42	267.5	266.9
43	267.5	266.9
44	267.5	266.9
45	267.5	266.9
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47	267.5	266.9
48	267.5	266.9
49	267.5	266.9
50	267.5	266.9

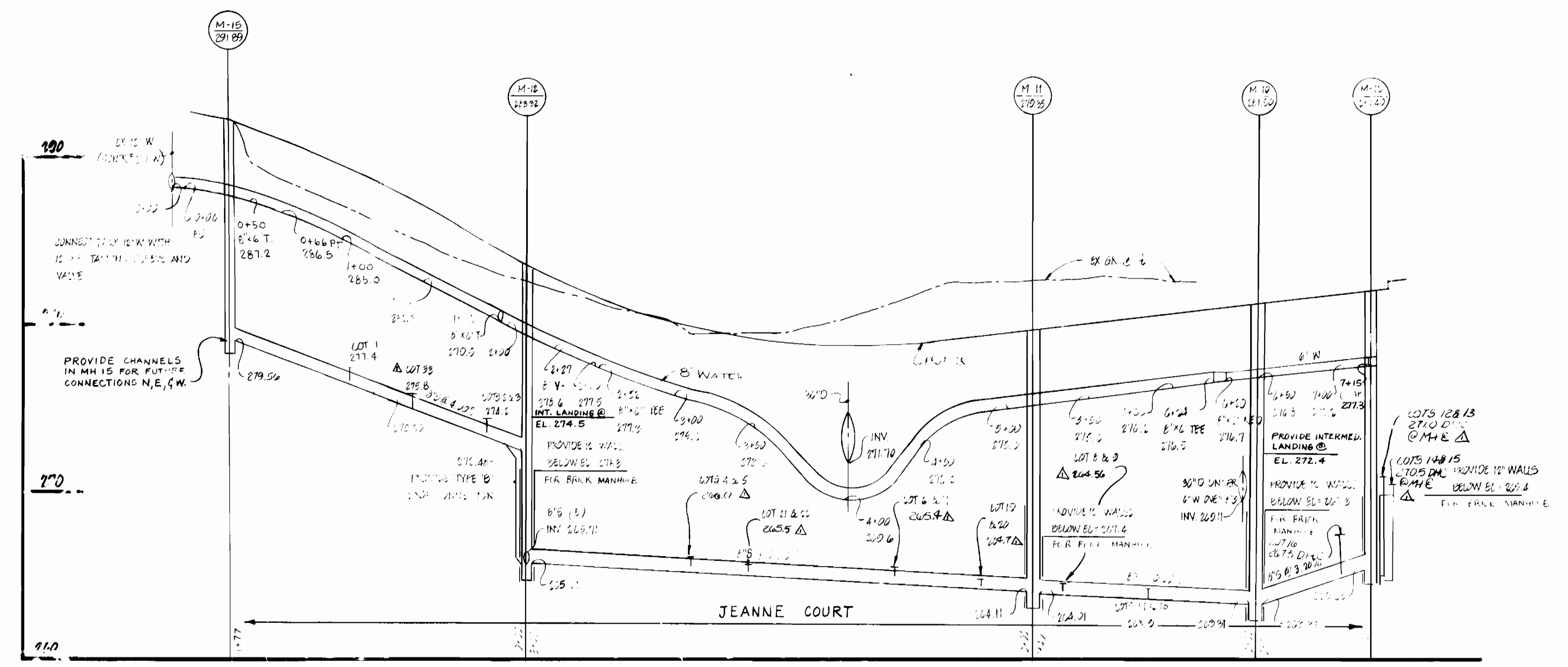
NOTE:
1) THERE IS NO EXISTING GAS SERVICE IN THE AREA.



R.J. HUTCHINSON JR. ET. AL.
497/517
EX. ZONING R-5C



PROFILE



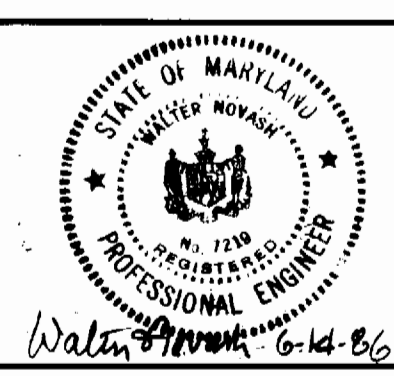
PROFILE

DEPARTMENT OF PUBLIC WORKS

Director of Public Works: [Signature] DATE: 8-20-86
 Chief, Bureau of Engineering: [Signature] DATE: [Blank]
 Chief, Bureau of Utilities: [Signature] DATE: 8/15/86
 Chief, Land Development Div.: [Signature] DATE: [Blank]

BOENDER ASSOCIATES, INC.
ENGINEERS · PLANNERS · SURVEYORS

3565 ELLICOTT MILLS DR.
ELLICOTT CITY, MARYLAND 21043
(301)465-7177



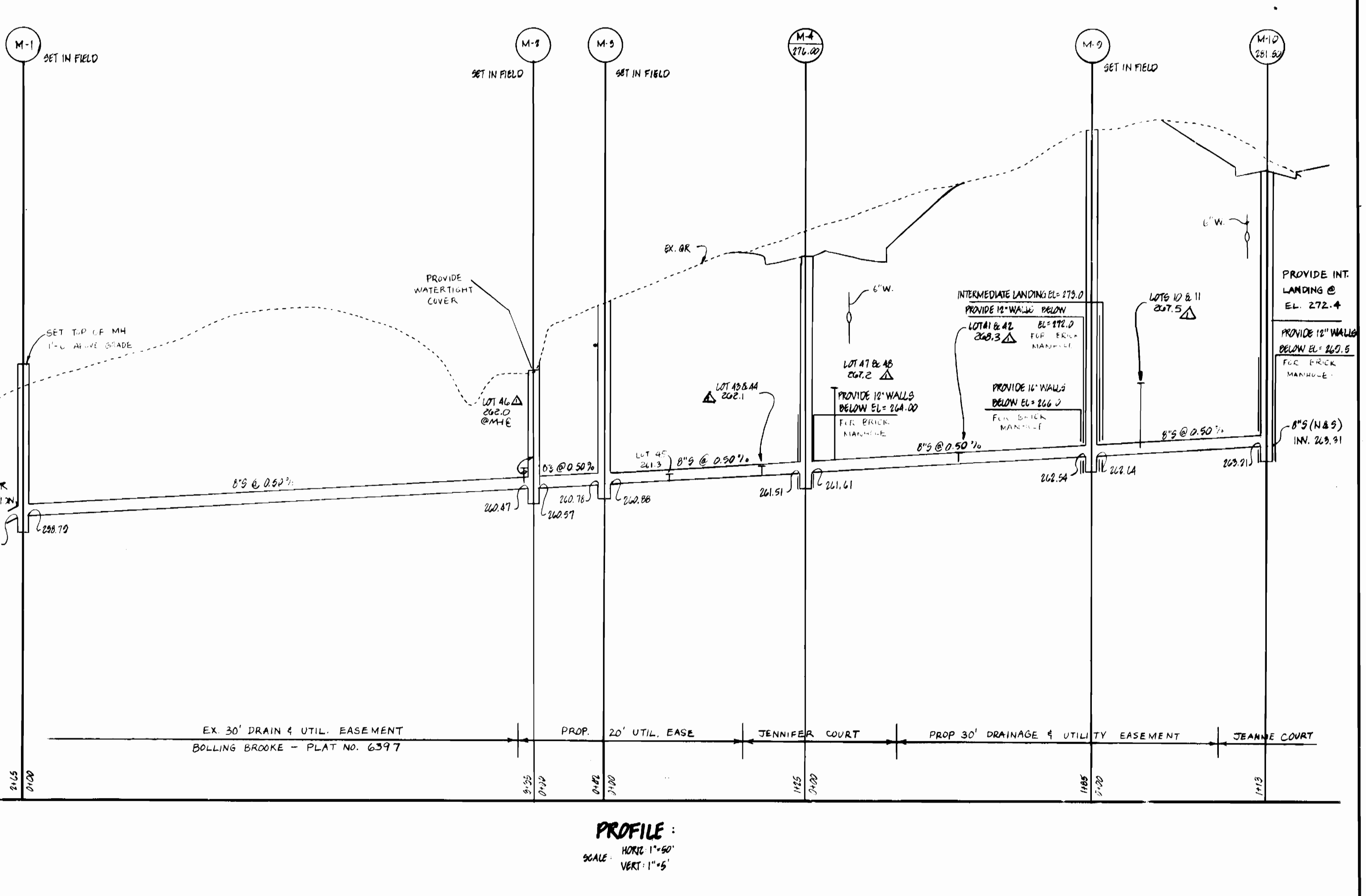
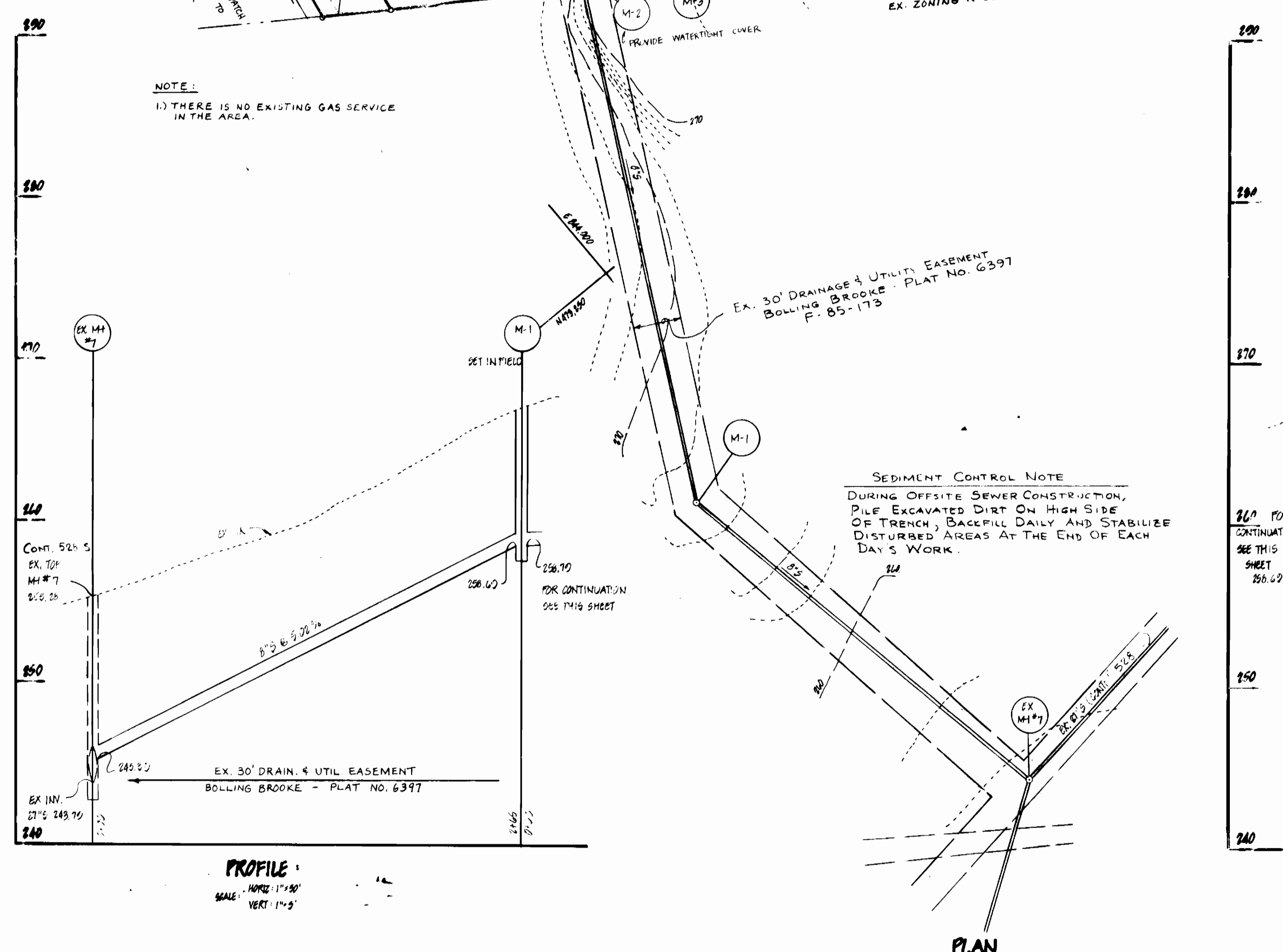
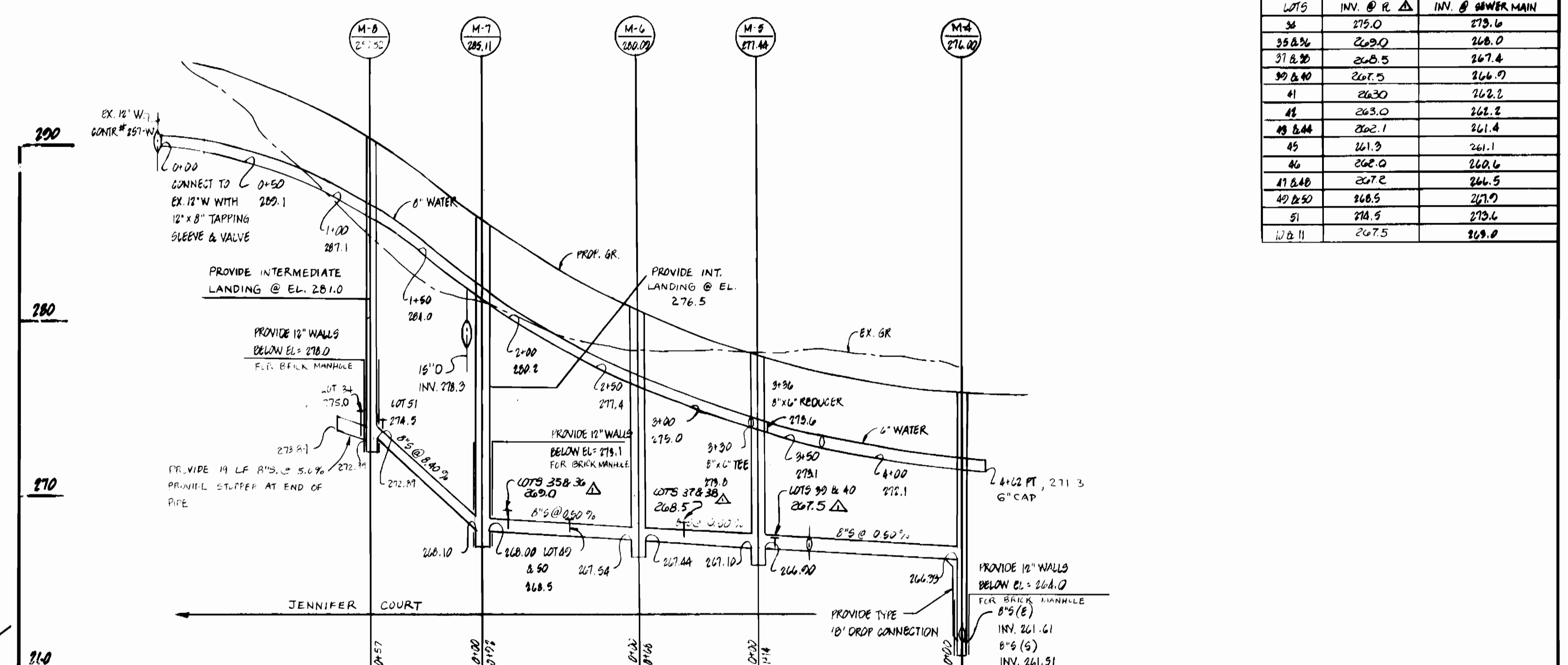
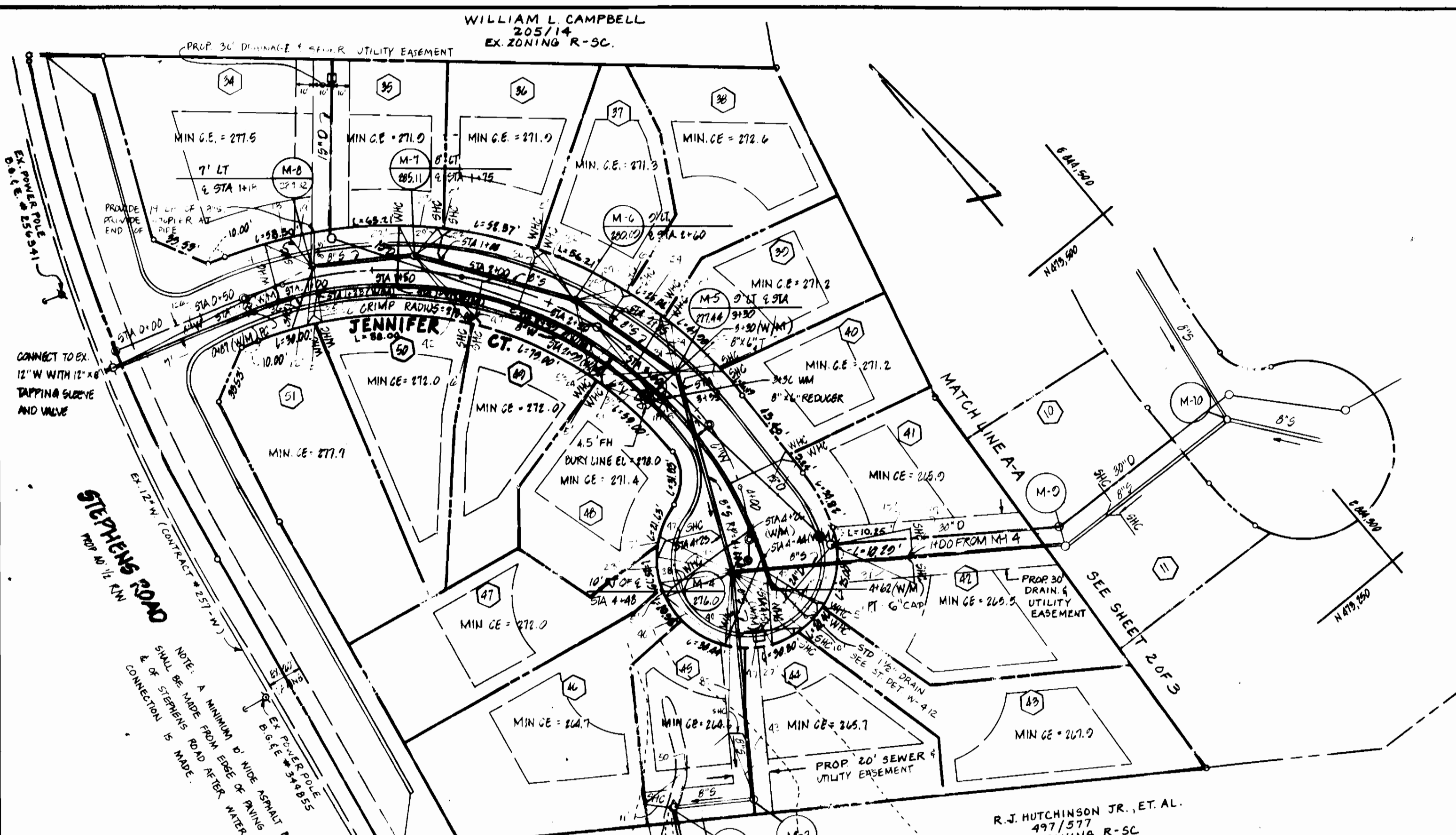
DES: WN			
DRN: DP			
CHK: WN			
J.C.O.	DELETE P.H.C., CHANGE L.I.N.S. J.H.C., DELETE G.L. LOTS 10-16	6-10-87	
DATE: APRIL 1986	BY: [Blank]	NO. [Blank]	REVISION [Blank]
			DATE: [Blank]

PLAN AND PROFILES

ROBINSON'S PROMISE
6TH ELECTION DISTRICT
CONTRACT NO. 24-1496 D

SCALE
AS SHOWN
SHEET
2 OF 3

SEWER HOUSE CONNECTIONS		
LOT#	INN. @ R. Δ	INN. @ SEWER MAIN
38	275.0	275.6
38 & 39	269.0	268.0
31 & 30	260.5	267.6
30 & 40	267.5	266.9
41	263.0	262.2
42	265.0	262.2
43 & 44	262.1	261.4
45	261.9	261.1
46	262.0	262.6
41 & 48	267.2	266.5
42 & 50	268.5	267.9
51	278.5	275.6
42 & 11	267.5	268.0



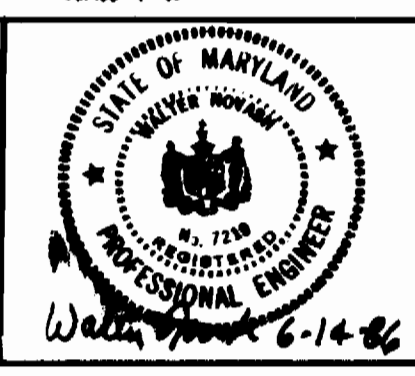
DEPARTMENT OF PUBLIC WORKS

Walter F. Nunn
 DIRECTOR OF PUBLIC WORKS
 DATE: 8/15/86

Robert Woodford
 CHIEF, BUREAU OF UTILITIES
 DATE: 8/15/86

BOENDIER ASSOCIATES, INC.
 ENGINEERS-PLANNERS-SURVEYORS

3065 ELLICOTT MILLS DR.
 ELLICOTT CITY, MARYLAND 21043
 (301) 465-7777



DES: W.N.			
DRAW: D.P.			
CHEK: W.N.			
DATE: APRIL, 1986			

PLAN AND PROFILES

DATE: APRIL, 1986

ROBINSON'S PROMISE
 6TH ELECTION DISTRICT
 CONTRACT NO. 24-1496

SCALE: AS SHOWN

SHEET: 5 OF 5

SEDIMENT CONTROL NOTE
 DURING OFFSITE SEWER CONSTRUCTION, PILE EXCAVATED DIRT ON HIGH SIDE OF TRENCH; BACKFILL DAILY AND STABILIZE DISTURBED AREAS AT THE END OF EACH DAY'S WORK.

NOTE:
 1) THERE IS NO EXISTING GAS SERVICE IN THE AREA.