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9	PROFILES

NOTES: QUANTITIES CHANGED DUE TO PLANS BEING LATER THAN TWO CONTRACT NO. 14-1966-D CONTRACT NO. 14-1966-D

SURVEY/DRAFTING DIVISION
AS-BUILT DATE: 11-27-92

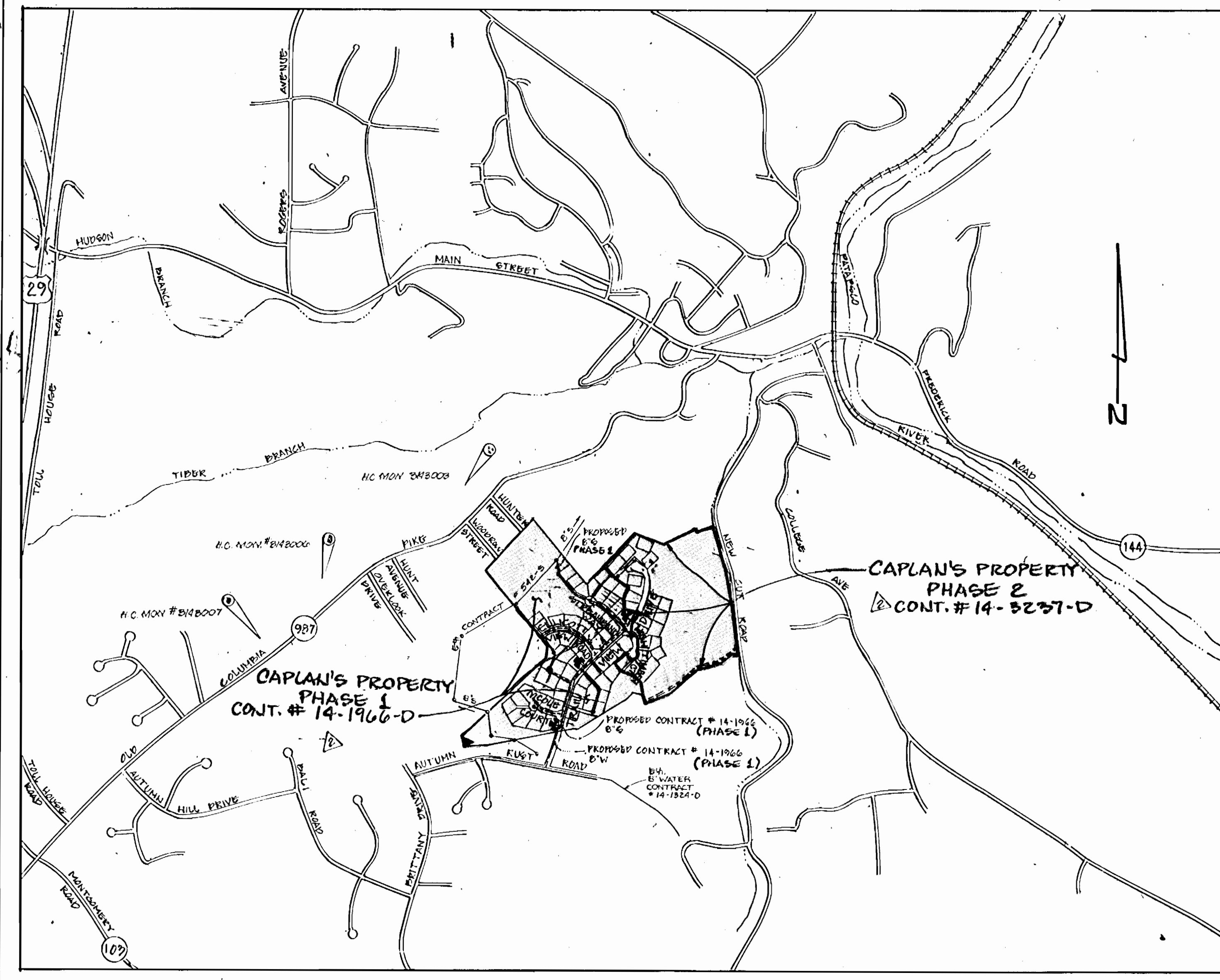
NAME OF UTILITY CONTRACTOR: COSENTINO

QUANTITIES				
ITEM	EST'D	AS-BUILT		
		EST'D	TYPE	SUPPLIER
8" WATER	5,279 LF	2,725 LF	CL #22	GRIFFIN PIPE PRODUCTS
12" WATER	257 LF	257 LF	COMMON	CONCRETE PIPE
3/4" W.H.C.	1,583 LF	1,583 LF	"	"
1" W.H.C.	750 LF	2,640 LF	"	"
FIRE HYDRANTS	15 EACH	15 EA.		MJELLEN CO.
8" SEWER	3,402 LF	3,402 LF	FVC	J.M. JEFF. CO.
6" SEWER	271 LF	271 LF		GRIFFIN PIPE PRODUCTS
MANHOLES	27 EACH	27 EA.	CONCRETE	ZEPHYRUS CONC.
6" SEWER	0			
8" VALVES	15 EACH	15 EA.		MJELLEN CO.
6" VALVES (EXCLUDING F.H.)	0 EACH			J.M. JEFF. CO.
6" F.H. VALVES	15 EACH	15 EA.		MJELLEN CO.
4" BHC	1,273 LF	1,273 LF	FVC	"
6" WATER	74 LF	42.0 LF	CL #22	GRIFFIN PIPE PRODUCTS
4" WATER		11.0 LF		"
12" WATER	257 LF			"

WATER AND SEWER AS-BUILT QUANTITIES

BENCHMARKS

MONUMENTS	DESCRIPTION	COORDINATES	ELEVATIONS
9142003	3/4" REBAR 0.5' BELOW SURFACE ON SLOPE 26.5% ± 6 OF & ROAD	N 921552.588 E 856084.943	255.880
9142006	MON. @ SURFACE, 8.0' N OF & OF OLD COLUMBIA PIKE & 100' E OF & OF OVERLOOK DR.	N 920559.884 E 854001.990	258.553
9142007	19' SE. & OLD COLUMBIA PIKE, 0.5' BELOW SURFACE	N 920192.879 E 855229.884	266.192



TYPE OF BUILDING: SINGLE FAMILY
NUMBER OF LOTS: 24 (RESIDENTIAL 23)
NO OF WATER HOUSE CONNECTIONS: 20
NO OF SEWER HOUSE CONNECTIONS: 25
DRAINAGE AREA: 1.17 ACRES

WATER AND SEWER CODE FOR COUNTY USE ONLY:
WATER NO: F04
SEWER NO: 1500500

LOCATION MAP
SCALE: 1" = 600'

- 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". CLEAR ALL POLES BY 2'-0" MINIMUM OR TOWER 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 HOWARD COUNTY STANDARD DETAILS.
 - FOR MATERIALS AND CONSTRUCTION METHODS USE HOWARD COUNTY STANDARD SPECIFICATIONS.
 - 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.
 - CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE (5) WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS.
STATE HIGHWAY ADMINISTRATION 531-5533
BALTIMORE GAS AND ELECTRIC COMPANY - UNDERGROUND ELECTRIC DISTRIBUTION CUSTOMER SERVICE 685-0123
BALTIMORE GAS AND ELECTRIC COMPANY - UNDERGROUND GAS DISTRIBUTION CUSTOMER SERVICE 685-0123
ENGINEERING - "DAMAGE CONTROL" 234-5611
"MIS UTILITIES" 3-559-0100
CHESAPEAKE & POTOMAC (CAP) TELEPHONE COMPANY 725-9976
AMERICAN TELEPHONE AND TELEGRAPH - CABLE LOCATION DIVISION 393-3533
COLONIAL PIPELINE COMPANY 795-1390
BUREAU OF UTILITIES HOWARD COUNTY 333-4900
 - TREES ARE TO BE PROTECTED FROM DAMAGE TO MAXIMUM 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 OF TRAFFIC CONTROL FOR HIGHWAY CONSTRUCTION AND MAINTENANCE.
 - ALL WATER MAINS TO BE DUCTILE IRON CLASS 52 ONLY.
 - TOP OF ALL WATER MAINS TO HAVE A MINIMUM OF 3'-1/2' COVER UNLESS OTHERWISE NOTED.
 - VALVES ADJACENT TO TREES SHALL BE STRAPPED TO TREES.
 - BLOCK ALL FITTINGS WITH CONCRETE.
 - BURYLENE ELEVATIONS ON ALL FIRE HYDRANTS SHALL BE SET TO THE ELEVATIONS SHOWN ON THE DRAWINGS. ALL FIRE HYDRANTS SHALL BE RESTRAINED AND BUTTRESSED WITH CONCRETE IN ACCORDANCE WITH STANDARD DETAILS. SOIL AROUND THE FIRE HYDRANT TO BE COMPACTED IN ACCORDANCE WITH SECTIONS 1000 & 1005 OF THE STANDARD SPECIFICATIONS.
 - ALL WATER HOUSE CONNECTORS SHALL BE FOR 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., 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.
 - FORCE MAINS SHALL BE D.I.P. ONLY.
 - MANHOLES SHOWN WITH 12" AND 16" WALLS ARE BRICK MANHOLES ONLY.
 - MANHOLES DESIGNATED W.T. IN PLAN AND PROFILE SHALL HAVE WATER-TIGHT FRAME AND COVERS, STANDARD DETAIL G.5.52. WHERE WATER-TIGHT MANHOLE FRAME AND COVER IS USED, SET TOP OF FRAME 1'-6" ABOVE FINISHED GRADE, STANDARD DETAIL G.6.41.
 - HOUSE(S) WITH THE SYMBOL "C.N.S." INDICATES THAT CELLAR CANNOT BE SERVED.
 - ALL D.I.P. FITTINGS SHALL BE IN ACCORDANCE WITH AWWA SPECIFICATION, C-153 DUCTILE IRON COMPACT FITTINGS, 3 INCH THROUGH 12 INCH WATER AND OTHER LIQUIDS.

CAPLAN'S PROPERTY-PHASE 1

CONTRACT NO. 14-1966-D-PHASE 1

WATER AND SEWER PLANS

2ND ELECTION DISTRICT,

HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS

FISHER, COLLINS & CARTER ASSUMES RESPONSIBILITY FOR THE REVISIONS TO THIS DRAWING BASED ON THE RED-LINE REVISIONS APPROVED ON 8-11-92 BY THE LAND DEVELOPMENT DIVISION.

Terrill A. Fisher
TERRILL A. FISHER
Aug. 14, 1992
DATE

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 14-1966-D

THIS DEVELOPMENT PLAN 14-1966-D IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY HOWARD SOIL CONSERVATION DISTRICT

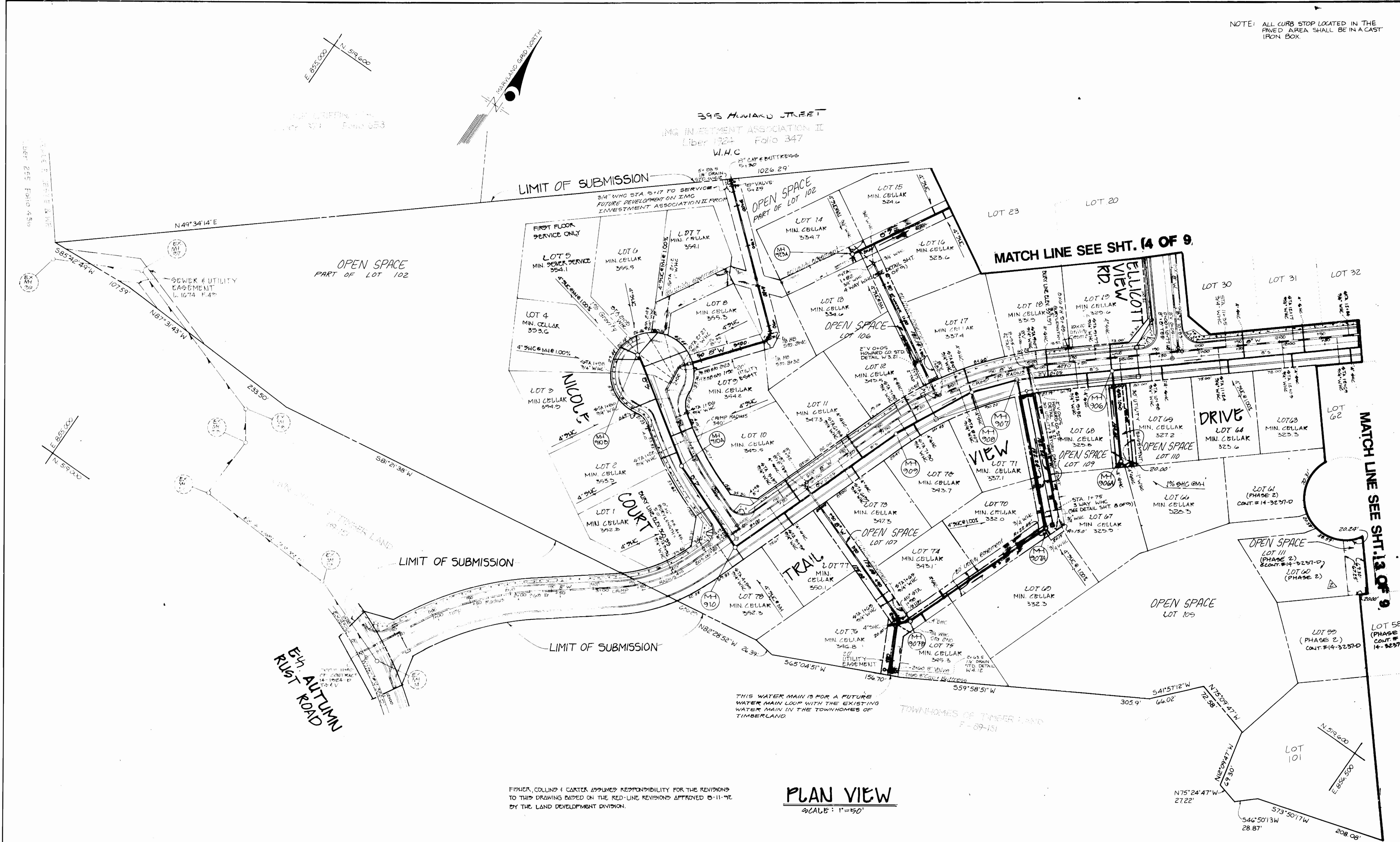
REVIEW FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS
James M. Helle (C.S.)
U.S. SOIL CONSERVATION SERVICE
12/4/90
DATE

APPROVED:
Howard Soil Conservation District
HOWARD SOIL CONSERVATION DISTRICT
12/4/90
DATE

CONTRACT NO. 14-1966-D-PHASE 1
CAPLAN'S PROPERTY-PHASE 1
2ND ELECTION DISTRICT
WATER AND SEWER PLANS

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND <i>James M. Helle</i> 12/10/90 DIRECTOR OF PUBLIC WORKS DATE <i>Richard S. ...</i> 11-21-90 CHIEF, BUREAU OF UTILITIES DATE		DEWBERRY & DAVIS ARCHITECTS-ENGINEERS-PLANNERS-SURVEYORS 200 HARRY S. TRUMAN PARKWAY ANNAPOLIS, MD. 21401 (301) 261-8707				DES: C.W.D. DRN: DEP CHK: [] DATE: 9/90		OWNER DEVELOPER PARCEL 38 - HOWARD RESNECK 6457 TWIN KNOLLS ROAD SUITE 302 COLUMBIA, MARYLAND 21045 PARCEL 62 - NECIA MARTIN SALAN c/o IRA J. WAGONHEIM 2637 C ANNAPOLIS ROAD HANOVER, MARYLAND 21076		TITLE SHEET CAPLAN'S PROPERTY-PHASE 1 CONTRACT 14-1966-D-PHASE 1 TAX MAP: 26 PARCELS: 38 & 62 & P.O. 278 2ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND MARCH 1990		SCALE AS SHOWN SHEET 1 OF 9	
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NOTE: ALL CURB STOP LOCATED IN THE PAVED AREA SHALL BE IN A CAST IRON BOX.



FISHER, COLLINS & CARTER ASSUMES RESPONSIBILITY FOR THE REVISIONS TO THIS DRAWING BASED ON THE RED-LINE REVISIONS APPROVED 0-11-92 BY THE LAND DEVELOPMENT DIVISION.

PLAN VIEW
SCALE: 1"=50'

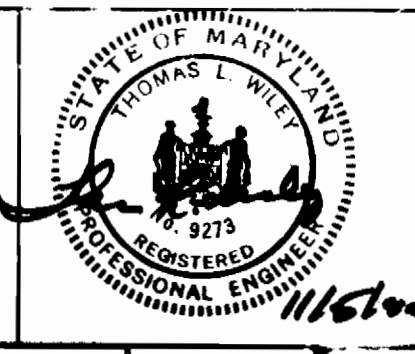
Terrill A. Fisher
TERRILL A. FISHER
Aug. 14, 1992
DATE

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

Director of Public Works: *Robert M. Bennett* 11-21-92
Chief, Bureau of Utilities

Chief, Bureau of Engineering: *Robert M. Bennett* 11-21-92
Chief, Land Development

DEWBERRY & DAVIS
ARCHITECTS-ENGINEERS-PLANNERS-SURVEYORS
200 HARRY S. TRUMAN PARKWAY
ANNAPOLIS, MD. 21401
(301) 281-8707



DES: C.W.P.	SRS	1	CORRECTED LOT FRONTAGE DIMENSIONS LABELED OPEN SPACE LOTS	2-27-92
DRN: D&D	P.C. 90	△	SHOW PHASE 1 & PHASE 2 LIMITS	
CHK:				
DATE: 3/90	BY	NO.	REVISION	DATE

OWNER DEVELOPER

PARCEL 38 - HOWARD RESNECK
8457 TWIN KNOLLS ROAD
SUITE 302
COLUMBIA, MARYLAND 21045

PARCEL 82 - NECIA MARTIN SALAN
610 RIA J. WAGONEIM
2637 C ANNAPOLIS ROAD
HANOVER, MARYLAND 21076

INVESTORS MANAGEMENT GROUP
5457 TWIN KNOLLS ROAD
SUITE 302
COLUMBIA, MARYLAND 21045

600 SCALE MAP NO. 28 BLOCK NO. 19

WATER & SEWER PLAN
CAPLAN'S PROPERTY-PH. 1
CONTRACT 14-1986-D-PHASE 1
TAX MAP: 25 PARCELS: 38 & 82 & P.O. 278
2ND ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
MARCH 1990

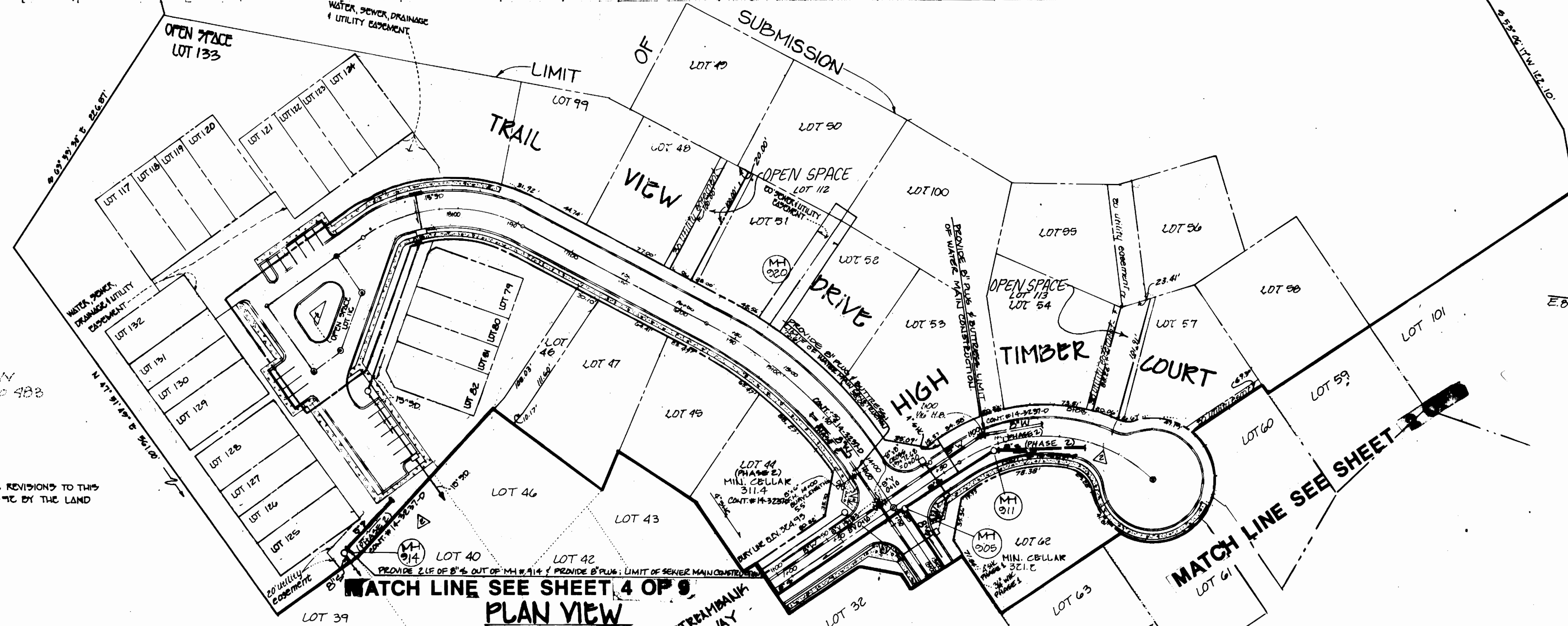
SCALE AS SHOWN
SHEET 2 OF 9

CONTRACT NO. 14-1986-D
CAPLAN'S PROPERTY-PHASE 1
2ND ELECTION DISTRICT
WATER AND SEWER PLANS

NOTE: ALL CURB STOPS LOCATED THE PAVED AREA SHALL BE IN A CAST IRON BOX.



FROM	TO	DISTANCE	TO	DISTANCE	FROM	TO	DISTANCE	TO	DISTANCE	FROM	TO	DISTANCE	TO	DISTANCE
LOT 1	B.V.D. STA. 0+00	98	PH 3 STA. 4+45	44.2	LOT 40	SEE PHASE I	PHASE I	PHASE I	60	LOT 51	PH 3 STA. 4+45	10	PH 3 STA. 4+45	10
LOT 2	MH-910	115	MH 910A	30.0	LOT 41	MH-904	MH-904	MH-904	60	LOT 52	MH 910A	21	MH 910A	21
LOT 3	MH-910	60	SHC LOT 9	81.0	LOT 42	"	"	"	60	LOT 53	SHC LOT 9	12	SHC LOT 9	12
LOT 4	"	57	"	75.0	LOT 43	"	"	"	60	LOT 54	"	10	"	10
LOT 5	"	18	"	52.2	LOT 44	"	"	"	60	LOT 55	"	10	"	10
LOT 6	"	24	"	70.0	LOT 45	"	"	"	60	LOT 56	"	10	"	10
LOT 7	"	43	"	90.0	LOT 46	"	"	"	60	LOT 57	"	10	"	10
LOT 8	"	93	"	83.0	LOT 47	"	"	"	60	LOT 58	"	10	"	10
LOT 9	"	93	"	81.0	LOT 48	"	"	"	60	LOT 59	"	10	"	10
LOT 10	B.V.D. STA. 0+92	36	MH 909	85.0	LOT 49	"	"	"	60	LOT 60	"	10	"	10
LOT 11	"	68	MH 909A	82.1	LOT 50	"	"	"	60	LOT 61	"	10	"	10
LOT 12	MH LOT 13	19.0	025A	14.3	LOT 51	"	"	"	60	LOT 62	"	10	"	10
LOT 13	"	"	"	30.4	LOT 52	"	"	"	60	LOT 63	"	10	"	10
LOT 14	"	"	"	34.0	LOT 53	"	"	"	60	LOT 64	"	10	"	10
LOT 15	"	"	"	36.7	LOT 54	"	"	"	60	LOT 65	"	10	"	10
LOT 16	B.V.D. STA. 7+02	30	009	44.2	LOT 55	"	"	"	60	LOT 66	"	10	"	10
LOT 17	MH-908	93	001	100.0	LOT 56	"	"	"	60	LOT 67	"	10	"	10
LOT 18	I-4	89.2	0251	60.4	LOT 57	"	"	"	60	LOT 68	"	10	"	10
LOT 19	"	"	0250	20.0	LOT 58	"	"	"	60	LOT 69	"	10	"	10
LOT 20	"	"	0250	55.2	LOT 59	"	"	"	60	LOT 70	"	10	"	10
LOT 21	BHC LOT 20	86.0	0250	72.1	LOT 60	"	"	"	60	LOT 71	"	10	"	10
LOT 22	"	20	0250	70.0	LOT 61	"	"	"	60	LOT 72	"	10	"	10
LOT 23	MH-937	10.2	0251	50.0	LOT 62	"	"	"	60	LOT 73	"	10	"	10
LOT 24	B.V.D. STA. 0+10	60	0222	40.0	LOT 63	"	"	"	60	LOT 74	"	10	"	10
LOT 25	MH-9+29	10	"	30.0	LOT 64	"	"	"	60	LOT 75	"	10	"	10
LOT 26	"	40	SHC LOT 21	70.0	LOT 65	"	"	"	60	LOT 76	"	10	"	10
LOT 27	"	80	"	50.0	LOT 66	"	"	"	60	LOT 77	"	10	"	10
LOT 28	"	120	"	40.0	LOT 67	"	"	"	60	LOT 78	"	10	"	10
LOT 29	"	160	"	30.0	LOT 68	"	"	"	60	LOT 79	"	10	"	10
LOT 30	SHC LOT 04	50	"	20.0	LOT 69	"	"	"	60	LOT 80	"	10	"	10
LOT 31	"	"	"	10.0	LOT 70	"	"	"	60	LOT 81	"	10	"	10
LOT 32	"	"	"	00.0	LOT 71	"	"	"	60	LOT 82	"	10	"	10
LOT 33	"	"	"	00.0	LOT 72	"	"	"	60	LOT 83	"	10	"	10
LOT 34	MH-904	90	"	00.0	LOT 73	"	"	"	60	LOT 84	"	10	"	10
LOT 35	SHC STAND. BOWL TOWN	60	MH 904	25.0	LOT 74	"	"	"	60	LOT 85	"	10	"	10
LOT 36	MH 901A	36.4	002	05.0	LOT 75	"	"	"	60	LOT 86	"	10	"	10
LOT 37	MH 901A	40	"	00.0	LOT 76	"	"	"	60	LOT 87	"	10	"	10
LOT 38	B.V.D. STA. 4+05	30	"	00.0	LOT 77	"	"	"	60	LOT 88	"	10	"	10
LOT 39	B.V.D. STA. 0+10	76	MH-9	150.0	LOT 78	"	"	"	60	LOT 89	"	10	"	10
LOT 40	"	160	BLOCK OFF STA. 4+05	120.0	LOT 79	"	"	"	60	LOT 90	"	10	"	10



HOWARD COUNTY SANITARIUM
Liber

WILLIAM H. TUTEN
Liber 187 Folio 488

FISHER, COLLINS & CARTER ASSUMES RESPONSIBILITY FOR THE REVISIONS TO THIS DRAWING BASED ON THE RED-LINED REVISIONS APPROVED 0-11-90 BY THE LAND DEVELOPMENT DIVISION

Tennell A. Fisher
TERRILL A. FISHER DATE: 12/14/90

DEWBERRY & DAVIS
ARCHITECTS-ENGINEERS-PLANNERS-SURVEYORS
200 HARRY S. TRUMAN PARKWAY
ANNAPOLIS, MD. 21401
(301) 281-8787



DES: C.W.D.	SRS	I	CORRECT LOT FRONTAGES LABELED OPEN SPACE LOTS	2-27-91
DRN: D&D	P.C.A.C.	Δ	SHOW PHASE 1 & PHASE 2 LIMITS	
CHK:				
DATE: 3/90	BY	NO.	REVISION	DATE

OWNER/DEVELOPER
INVESTORS MANAGEMENT GROUP
5457 TWIN KNOLLS ROAD
SUITE 302
COLUMBIA, MARYLAND 21045

WATER & SEWER PLAN
CAPLAN'S PROPERTY-PH.1
CONTRACT 14-1986-D-PHASE 1
TAX MAP: 25 PARCELS: 55 & 62 & P.O. 278
2ND ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
MARCH 1990

SCALE: AS SHOWN
3 OF 3

NOTE: ALL CURB STOPS LOCATED IN THE PAVED AREA SHALL BE IN A CAST IRON BOX.

ISABELLE J. SPIROCH
Folio 1042
Liber 1042

HUNTER ROAD
Ex. 37 R/W (varies)

HELEN M. CHOYCE
ET AL.
Folio 055
Liber 585

GERALD J. CHOYCE
Folio 291
Liber 1663

WOODROW STREET
Ex. 37 R/W (varies)

JEFFREY G. FIRMAN
Folio 602
Liber 124

WILLIAM EVERHART
Folio 084
Liber 044

WILLIAM EVERHART
Folio 084
Liber 044

WILLIAM EVERHART
Folio 286
Liber 654

JOHN R. SLACK
Folio 610
Liber 471

WATER SERVICE FOR LOT 25
STARTED SHORT DUE TO FRANK
#3 (CONTRACT #01)

IMS INVESTMENT ASSOCIATION III
Folio 347
Liber 1924

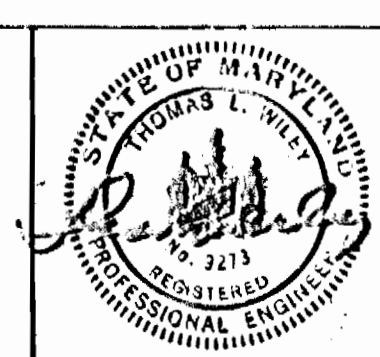
PLAN VIEW
SCALE: 1"=50'



Terrell A. Fisher
DATE: 11-19-90

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

DEWBERRY & DAVIS
ARCHITECTS-ENGINEERS-PLANNERS-SURVEYORS
200 HARRY S. TRUMAN PARKWAY
ANNAPOLIS, MD. 21401
(301) 281-8707



DES: C.W.B.	CRS	1	CORRECTED LOT FRONTAGE DIMENSIONS SCALE 1/2"=10'	2-27-90
DRN: D4D	RCFC	1	SHOW PHASE 1 & PHASE 2 LIMITS	
CHK1				
DATE: 3/90	BY: NO.		REVISION	DATE

OWNER/DEVELOPER
PARCEL 38 - HOWARD RESNECA
5457 TWIN KNOLLS ROAD
SUITE 302
COLUMBIA, MARYLAND 21045
PARCEL 82 - NECIA MARTIN SALAN
6/3 IRA J. WAGONHEIM
2837 C ANNAPOLIS ROAD
HANOVER, MARYLAND 21076
800 SCALE MAP NO. 22 BLOCK NO. 13

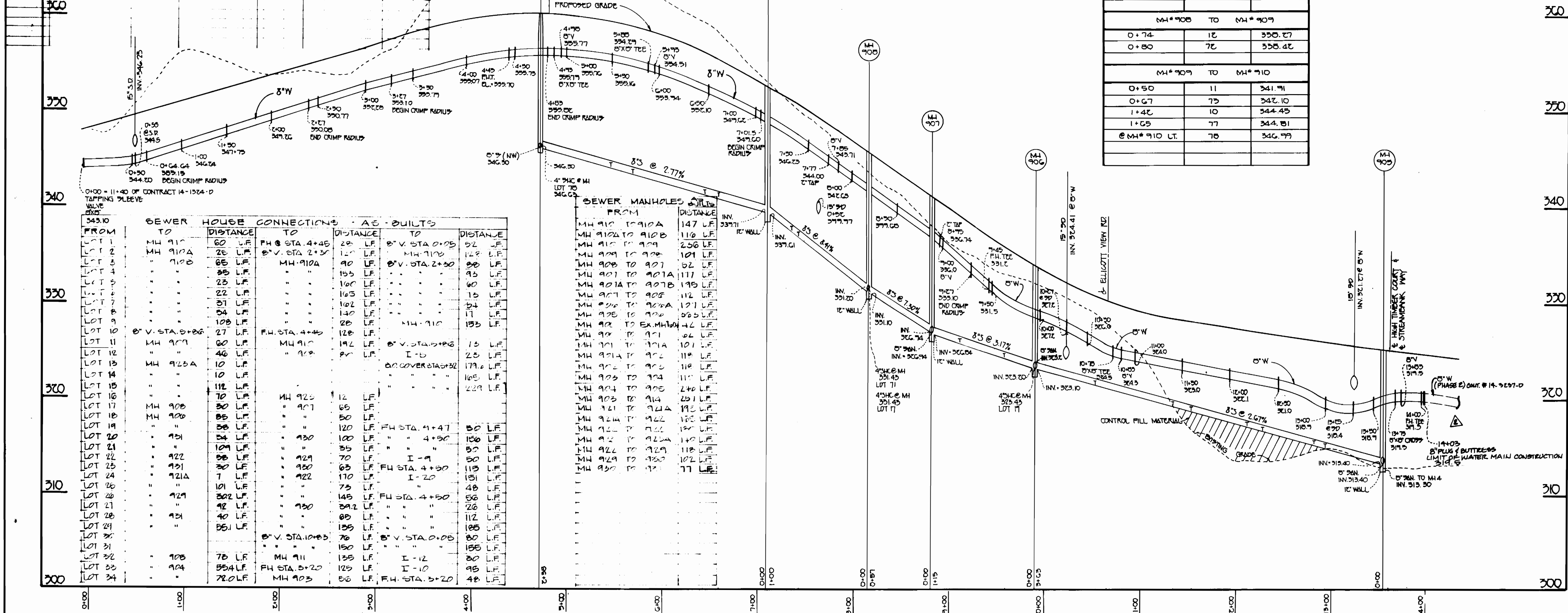
WATER & SEWER PLAN
CAPLAN'S PROPERTY-PH. 1
CONTRACT 14-1988-D-PHASE 1
TAX MAP: 25 PARCELS: 38 & 82 & P.O. 278
2ND ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
MARCH 1990

SCALE
AS
SHOWN
SHEET
4 OF 9

CONTRACT NO. 14-1988-Phase 1
CAPLAN'S PROPERTY - PHASE 1
2ND ELECTION DISTRICT
WATER AND SEWER PLANS

FROM	TO	DISTANCE	TO	DISTANCE	TO	DISTANCE
LOT 35	MH 901	52 L.F.	MH 900	114 L.F.	MH 901A	65 L.F.
LOT 36	"	114 L.F.	MH 902	127 L.F.	"	19 L.F.
LOT 37	"	25 L.F.	" 902A	127 L.F.	4" O.D.	65 L.F.
LOT 38	"	77 L.F.	F.H. 3+20	85 L.F.	"	122 L.F.
LOT 39	"	105 L.F.	"	"	"	"
LOT 40	"	170 L.F.	"	"	"	"
LOT 41	"	85 L.F.	MH 903	81 L.F.	MH 904	65 L.F.
LOT 42	"	35 L.F.	"	"	"	"
LOT 43	"	55 L.F.	S.D. I-10	13 L.F.	"	125 L.F.
LOT 44	"	150 L.F.	MH 904	82 L.F.	8" V. STA. 19+83	110 L.F.
LOT 62	"	75 L.F.	"	"	"	99 L.F.
LOT 63	8" V. STA. 10+85	154 L.F.	8" V. STA. 0+05	140 L.F.	"	"
LOT 64	"	63 L.F.	MH 905	44 L.F.	1-3	115 L.F.
LOT 65	"	30 L.F.	"	64 L.F.	"	50 L.F.
LOT 66	I-4	12 L.F.	"	117 L.F.	"	110 L.F.
LOT 67	MH 906A	6 L.F.	"	120 L.F.	"	115 L.F.
LOT 68	"	75 L.F.	"	35 L.F.	MH 907	85 L.F.
LOT 69	I-3	7 L.F.	"	123 L.F.	"	194 L.F.
LOT 70	MH 907A	21 L.F.	"	120 L.F.	"	160 L.F.
LOT 71	"	20 L.F.	2" V. STA. 7+15	53 L.F.	"	60 L.F.
LOT 72	I-5	48.10 L.F.	"	56 L.F.	I-6	25 L.F.
LOT 73	MH 909	68 L.F.	8" V. STA. 5+92	68 L.F.	8" V. STA. 0+05	65.3 L.F.
LOT 74	"	50 L.F.	MH 907A	150 L.F.	"	"
LOT 75	"	19 L.F.	B.O. STA. 2+64	78 L.F.	"	"
LOT 76	"	21 L.F.	"	55 L.F.	"	"
LOT 77	"	76 L.F.	8" V. STA. 4+98	47 L.F.	8" V. STA. 4+98	60 L.F.
LOT 78	"	15 L.F.	F.H.	60 L.F.	"	40 L.F.

5/4" INVERT ELEVATIONS @ PROPERTY LINE		
STATION	LOT	ELEVATION
MH# 905 TO MH# 906		
0+61	32	315.64
0+73	62	315.68
1+27	31	317.60
1+43	63	317.75
2+01	30	319.58
2+21	64 (100%)	319.65
3+01	65	321.97
@ MH 906 LT.	17	324.07
MH# 906 TO MH# 907		
0+31	68	324.71
0+77	18	326.45
MH# 907 TO MH# 908		
@ MH# 908 LT.	71	331.83
@ MH# 908 RT.	17	332.05
MH# 908 TO MH# 909		
0+74	12	335.27
0+80	72	335.42
MH# 909 TO MH# 910		
0+50	11	341.91
0+67	73	342.10
1+42	10	344.45
1+65	77	344.81
@ MH# 910 LT.	70	346.99



FROM	TO	DISTANCE	TO	DISTANCE	TO	DISTANCE		
LOT 1	MH 910	60 L.F.	F.H. STA. 4+45	28 L.F.	8" V. STA. 0+05	92 L.F.		
LOT 2	MH 910A	26 L.F.	8" V. STA. 2+35	12 L.F.	MH 910B	142 L.F.		
LOT 3	"	65 L.F.	"	90 L.F.	8" V. STA. 2+30	98 L.F.		
LOT 4	"	35 L.F.	"	155 L.F.	"	93 L.F.		
LOT 5	"	23 L.F.	"	160 L.F.	"	15 L.F.		
LOT 6	"	22 L.F.	"	165 L.F.	"	15 L.F.		
LOT 7	"	37 L.F.	"	102 L.F.	"	54 L.F.		
LOT 8	"	54 L.F.	"	140 L.F.	"	17 L.F.		
LOT 9	"	108 L.F.	"	28 L.F.	MH 910	193 L.F.		
LOT 10	8" V. STA. 0+06	27 L.F.	F.H. STA. 4+45	128 L.F.	"	84 L.F.		
LOT 11	MH 907	60 L.F.	MH 910	192 L.F.	8" V. STA. 5+95	13 L.F.		
LOT 12	"	46 L.F.	"	87 L.F.	I-5	23 L.F.		
LOT 13	"	10 L.F.	"	"	B.O. COVER STA. 3+32	179.6 L.F.		
LOT 14	"	10 L.F.	"	"	"	105 L.F.		
LOT 15	"	112 L.F.	"	"	"	229 L.F.		
LOT 16	"	70 L.F.	MH 923	12 L.F.	"	"		
LOT 17	"	30 L.F.	"	907	65 L.F.	"		
LOT 18	"	85 L.F.	"	"	50 L.F.	"		
LOT 19	"	38 L.F.	"	"	120 L.F.	F.H. STA. 4+47	50 L.F.	
LOT 20	"	24 L.F.	"	930	100 L.F.	"	4+50	156 L.F.
LOT 21	"	109 L.F.	"	"	35 L.F.	"	"	80 L.F.
LOT 22	"	98 L.F.	"	929	70 L.F.	I-9	50 L.F.	
LOT 23	"	931 L.F.	"	930	63 L.F.	F.H. STA. 4+50	113 L.F.	
LOT 24	"	921A	"	922	170 L.F.	I-20	151 L.F.	
LOT 25	"	101 L.F.	"	75 L.F.	"	"	48 L.F.	
LOT 26	"	302 L.F.	"	145 L.F.	F.H. STA. 4+50	56 L.F.		
LOT 27	"	42 L.F.	"	89.2 L.F.	"	26 L.F.		
LOT 28	"	40 L.F.	"	88 L.F.	"	112 L.F.		
LOT 29	"	85.1 L.F.	"	135 L.F.	"	125 L.F.		
LOT 30	"	"	8" V. STA. 10+85	76 L.F.	8" V. STA. 0+05	80 L.F.		
LOT 31	"	"	"	150 L.F.	"	156 L.F.		
LOT 32	"	"	"	135 L.F.	"	30 L.F.		
LOT 33	"	"	"	125 L.F.	"	95 L.F.		
LOT 34	"	"	"	56 L.F.	F.H. STA. 3+20	48 L.F.		

FROM	TO	DISTANCE	INVERT
MH 910	MH 910A	147 L.F.	337.71
MH 910A	MH 910B	116 L.F.	"
MH 910	MH 909	256 L.F.	"
MH 909	MH 907	101 L.F.	"
MH 907	MH 907A	62 L.F.	"
MH 907A	MH 908	195 L.F.	"
MH 907	MH 908	112 L.F.	"
MH 908	MH 908A	127 L.F.	"
MH 908	MH 908B	265 L.F.	"
MH 908	EX. MH 104	42 L.F.	"
MH 908	MH 907	84 L.F.	"
MH 907	MH 907A	101 L.F.	"
MH 907A	MH 908	118 L.F.	"
MH 908	MH 908A	118 L.F.	"
MH 908	MH 908B	105 L.F.	"
MH 908	MH 909	240 L.F.	"
MH 909	MH 914	201 L.F.	"
MH 914	MH 921	193 L.F.	"
MH 921	MH 922	182 L.F.	"
MH 922	MH 923	120 L.F.	"
MH 923	MH 924	140 L.F.	"
MH 924	MH 925	118 L.F.	"
MH 925	MH 926	102 L.F.	"
MH 926	MH 927	77 L.F.	"

TRAIL VIEW DRIVE-PROFILE

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

THIS SHEET 5 OF 9 SUPERSEDES ORIGINAL SHEET 5 OF 9 AS APPROVED BY THE DEPARTMENT OF PUBLIC WORKS ON 12-10-70

CONTRACT NO. 14-1966-D-PHASE 1
CAPLAN'S PROPERTY-PHASE 1
WATER AND SEWER MAIN EXTENSIONS
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

Director of Public Works: [Signature] DATE: 8-10-72
Chief, Bureau of Engineering: [Signature] DATE: 8-10-72
Chief, Bureau of Utilities: [Signature] DATE: 8-10-72
Chief, Land Development Division: [Signature] DATE: 8-10-72

FISHER, COLLINS & CARTER, INC.
#9757
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
SUITE 100, 8171 BALTIMORE NATIONAL PIKE
ELLICOTT CITY, MARYLAND 21042
TELEPHONE (410) 481-2886
FAX: (410) 780-3784

TERRELL FISHER

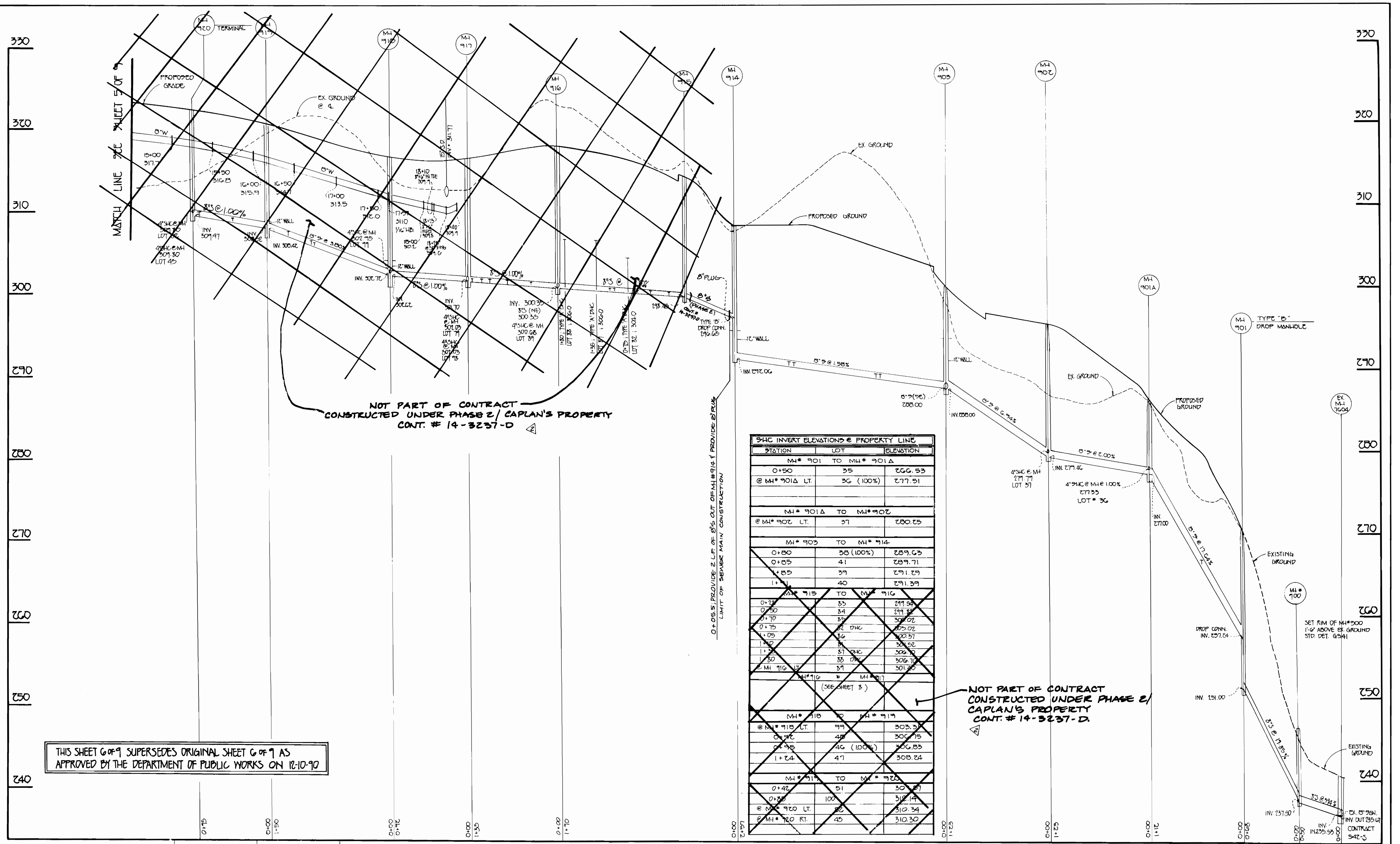
DES:	PLC:	SHOW PHASE 1 & PHASE LIMITS
DRN:		
CHK:		
DATE:	BY NO.	REVISION

PROFILES
WATER AND SEWER MAINS

600' SCALE MAP NO. 25 BLOCK NO. 13

WATER AND SEWER PROFILES
CAPLAN'S PROPERTY-PH. 1
CONTRACT NO. 14-1966-D-PHASE 1
TAX MAP: 25 PARCELS 38 & 82 & P.O. 278
SECOND ELECTION DISTRICT HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
SHEET 5 OF 9



S4C INVERT ELEVATIONS @ PROPERTY LINE		
STATION	LOT	ELEVATION
MH* 901 TO MH* 901A		
0+50	35	266.53
@ MH* 901A LT.	36 (100%)	277.51
MH* 901A TO MH* 902		
@ MH* 902 LT.	37	280.25
MH* 903 TO MH* 914		
0+50	38 (100%)	289.63
0+55	41	289.71
0+55	39	291.29
0+55	40	291.59
MH* 915 TO MH* 916		
0+55	33	299.54
0+50	34	299.82
0+70	35	300.02
0+75	32 S4C	305.02
0+05	36	300.37
1+00	38	301.52
1+20	37 S4C	306.00
0+80	38 S4C	306.70
@ MH* 916 LT.	37	301.80
MH* 916 TO MH* 917 (SEE SHEET 8)		
MH* 918 TO MH* 919		
@ MH* 918 LT.	39	303.33
0+20	40	306.75
0+35	46 (100%)	306.83
1+24	47	308.24
MH* 919 TO MH* 920		
0+42	51	300.67
0+20	100	312.14
@ MH* 920 LT.	52	310.34
@ MH* 920 RT.	45	310.30

THIS SHEET 6 OF 9 SUPERSEDES ORIGINAL SHEET 6 OF 9 AS APPROVED BY THE DEPARTMENT OF PUBLIC WORKS ON 12-10-92

TRAIL VIEW DRIVE - PROFILE

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

NOT PART OF CONTRACT CONSTRUCTED UNDER PHASE 2 / CAPLAN'S PROPERTY CONT. # 14-3237-D.

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

[Signature] 8/10/92
DIRECTOR OF PUBLIC WORKS DATE

[Signature] 8/10/92
CHIEF, BUREAU OF ENGINEERING DATE

[Signature] 8/6/92
CHIEF, BUREAU OF UTILITIES DATE

[Signature] 8/6/92
CHIEF, LAND DEVELOPMENT DIVISION DATE

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS

SUITE 100, 3171 BALTIMORE NATIONAL PIKE
ELLCOTT CITY, MARYLAND 21042
TELEPHONE (410) 481-2855
FAX: (410) 750-3784

#9757

[Signature]
TERRELL FISHER

DES:	PCFB	SHOW PHASE 1 & PHASE 2 LIMITS
DRN:		
CHK:		
DATE:	BY NO.	REVISION

PROFILES
WATER AND SEWER MAINS

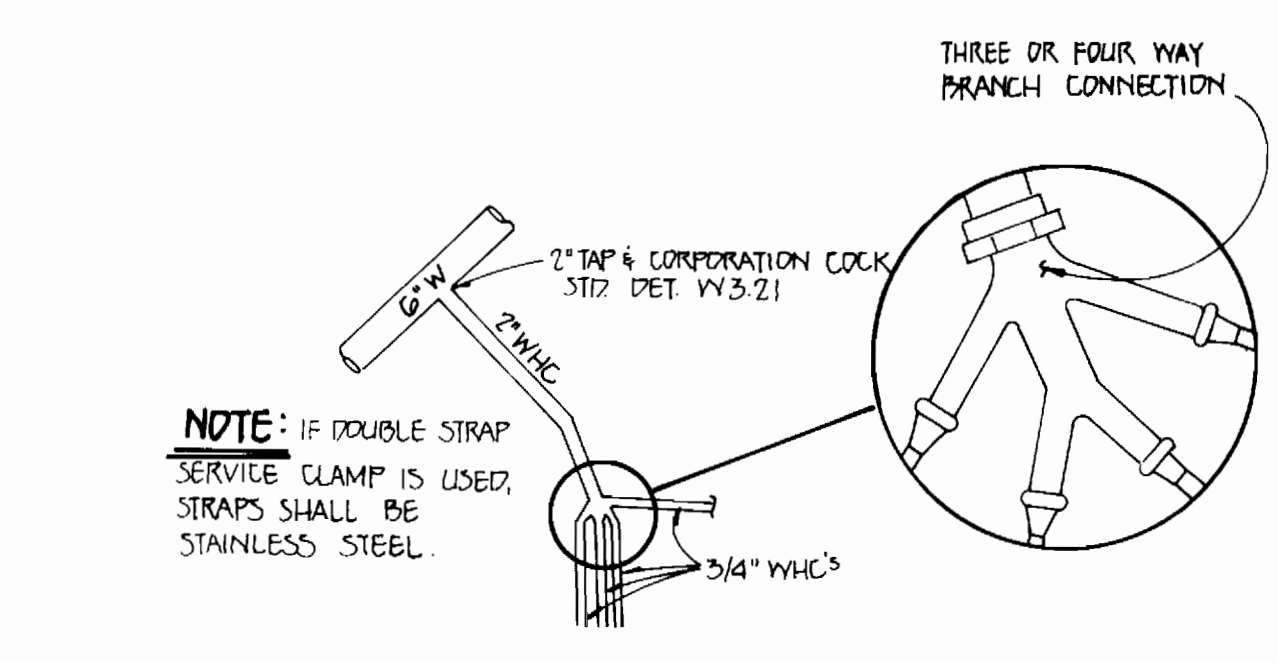
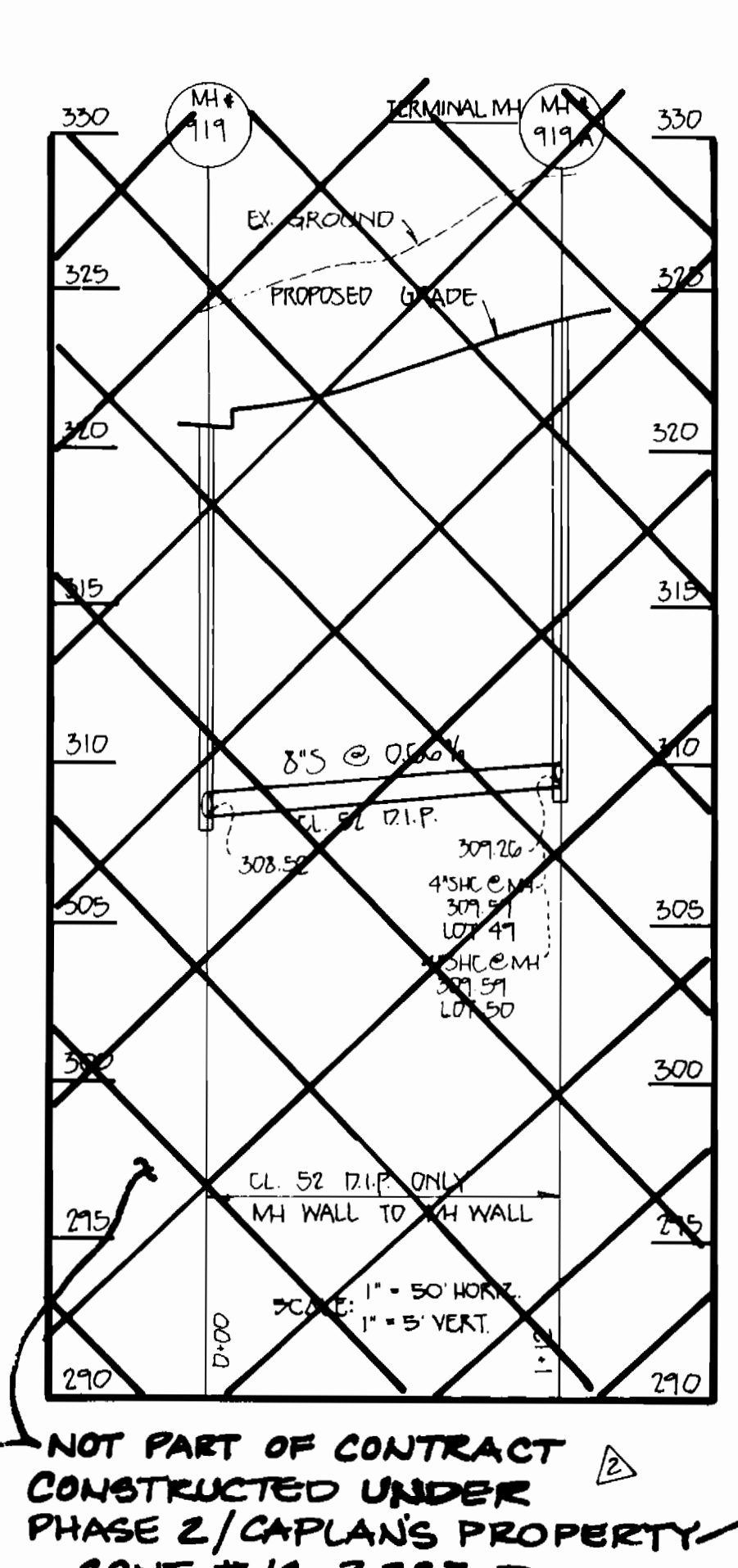
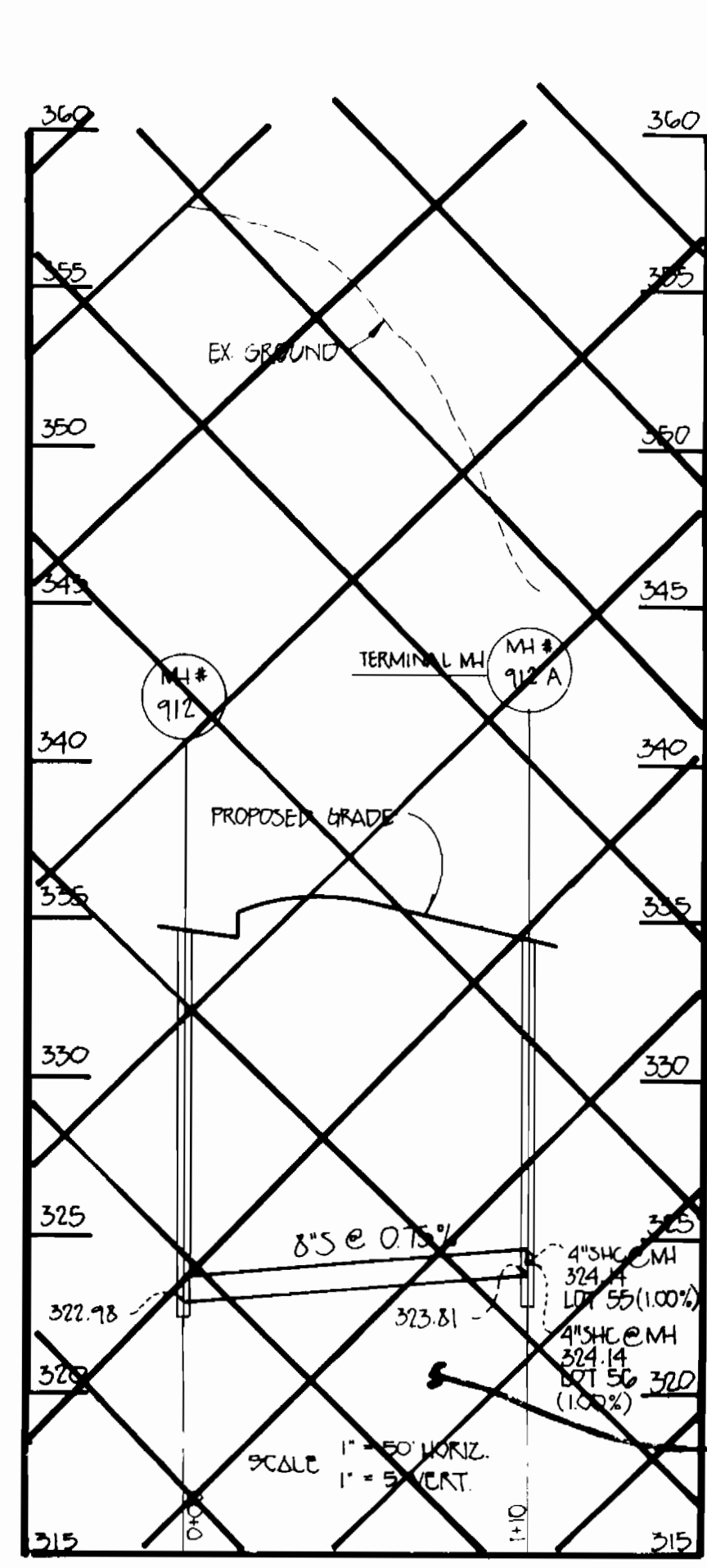
DATE: 600' SCALE MAP NO. 25 BLOCK NO. 13

WATER AND SEWER PROFILES
CAPLAN'S PROPERTY-PH.1

CONTRACT NO. 14-1966-D-PHASE 1
TAX MAP: 25 PARCELS 38 & 62 & P.O. 278
SECOND ELECTION DISTRICT HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
SHEET 6 OF 9

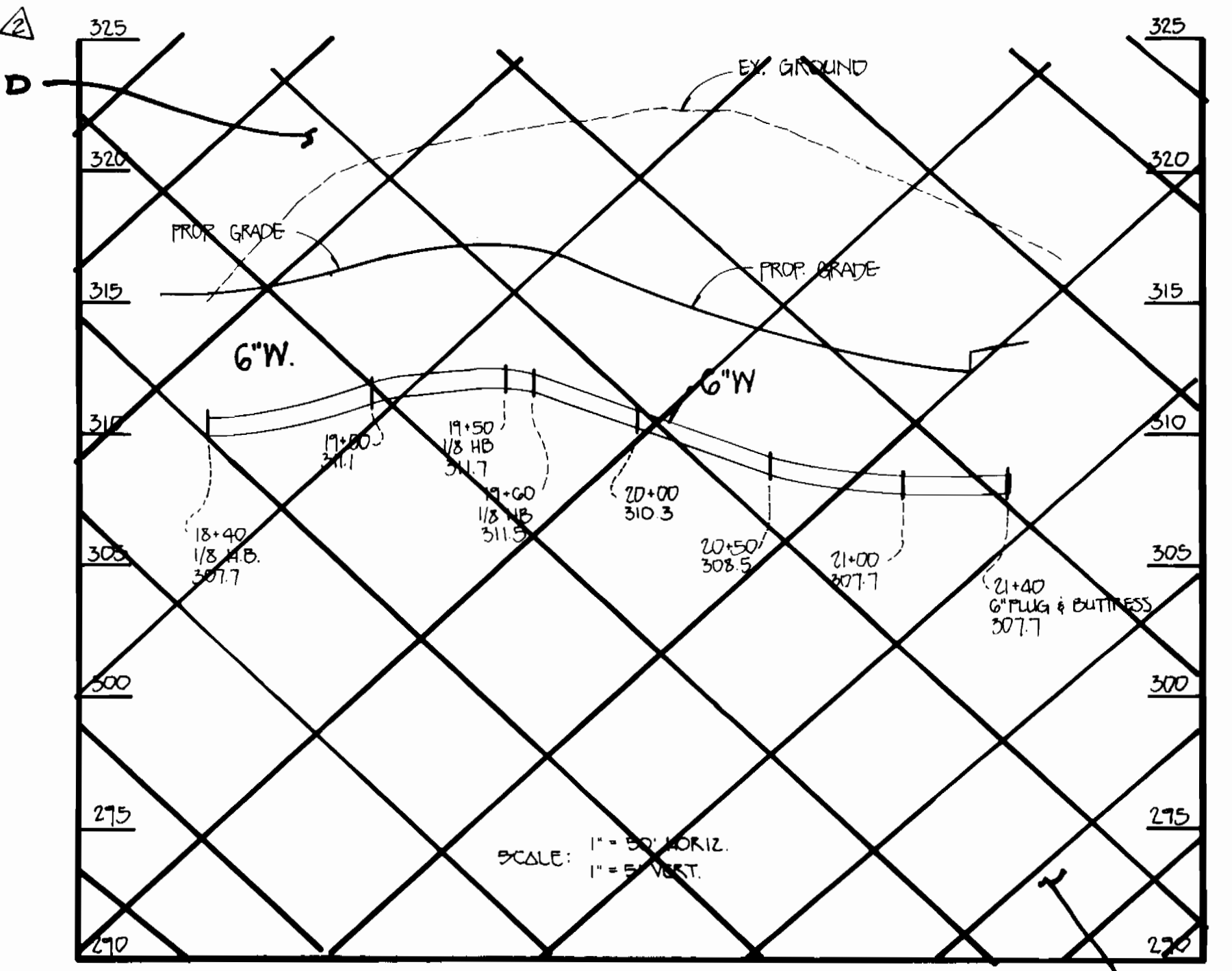
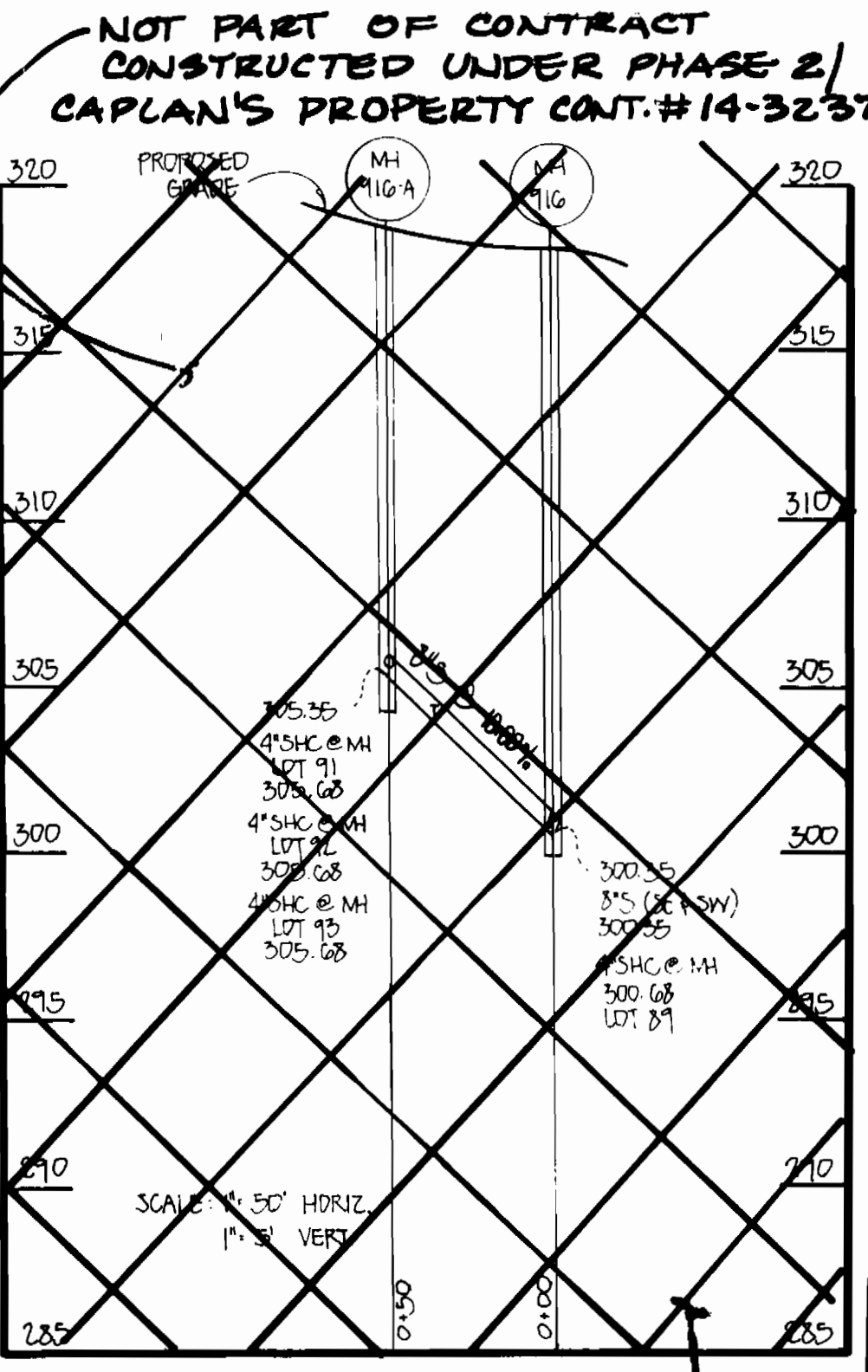
CONTRACT NO. 14-1966-D-PH.1
CAPLAN'S PROPERTY-PH.1
WATER & SEWER MAIN EXTENSIONS
HOWARD COUNTY, MARYLAND



3 & 4-WAY WHC DETAIL
NO SCALE (LOTS 151-153 & 171-174)

5/4\"/>		
STATION	LOT	ELEVATION
MH* 905 TO MH* 911		
0+53	53	317.73
0+50	54	321.73
0+47	57	322.15
0+43	58	322.40
0+40	59	322.84
0+37	58	323.53
0+34	59	323.53
0+31	59	323.53
0+28	59	323.53
0+25	59	323.53
0+22	59	323.53
0+19	59	323.53
0+16	59	323.53
0+13	59	323.53
0+10	59	323.53
0+07	59	323.53
0+04	59	323.53
0+01	59	323.53

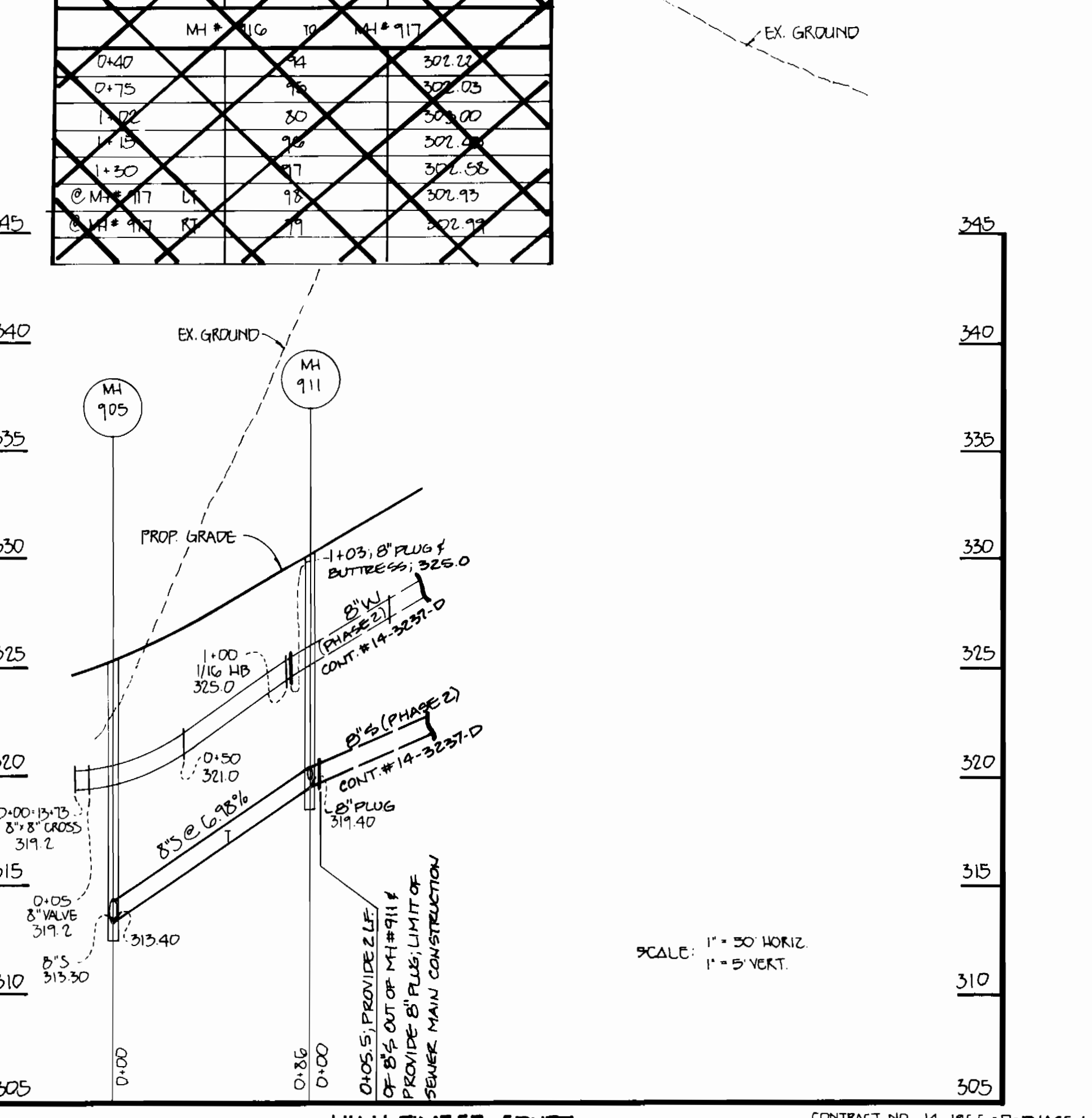
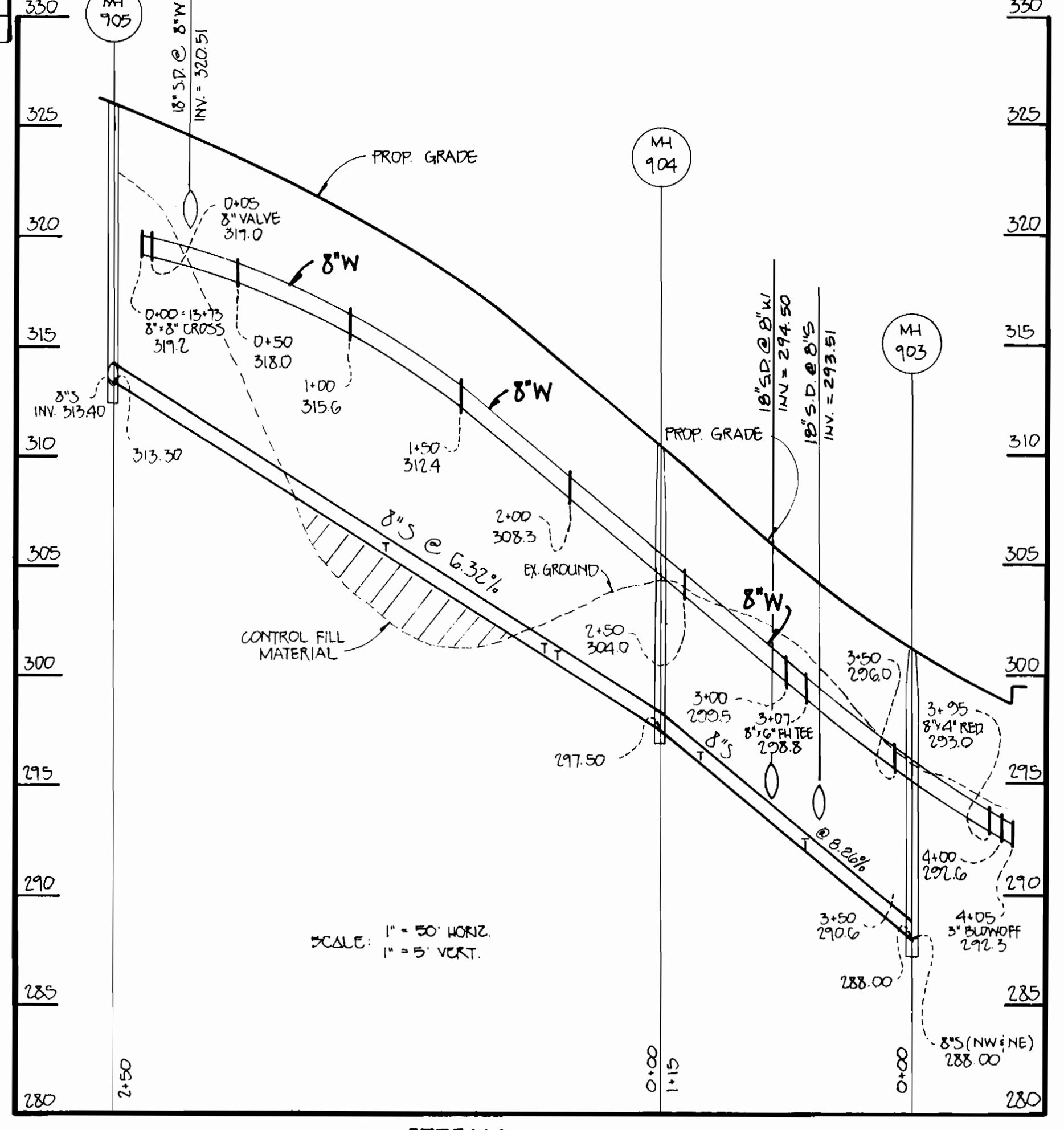
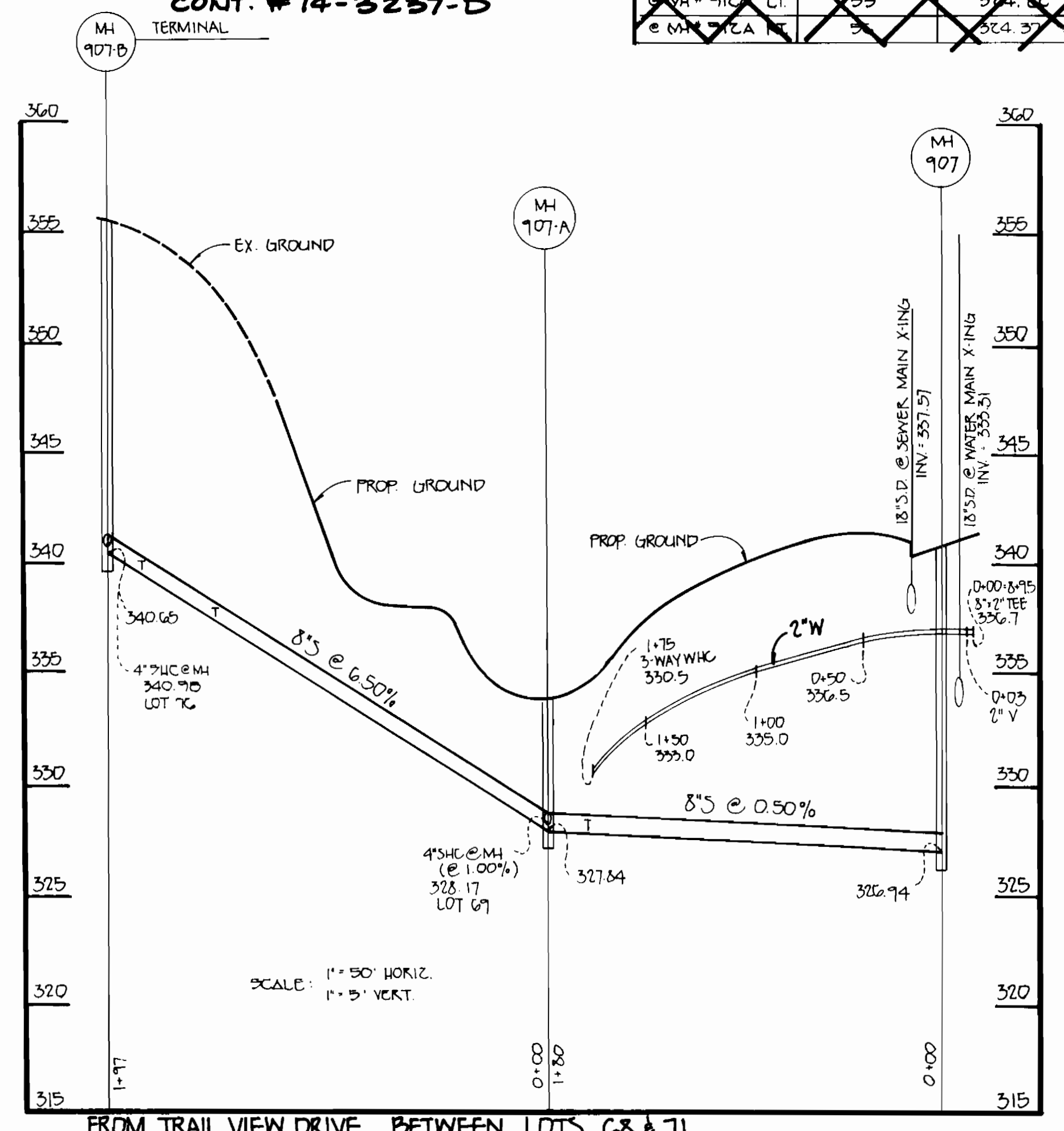
5/4\"/>		
STATION	LOT	ELEVATION
MH* 905 TO MH* 904		
0+50	34	292.85
0+45	42	292.84
MH* 904 TO MH* 905		
0+45	43	300.70
0+53	33	301.02
1+25	44	305.57
MH* 907 TO MH* 907A		
1+60	70 (1.00%)	327.77
@ MH* 907A LT.	69 (1.00%)	325.27
MH* 919 TO MH* 919A		
@ MH* 919 LT.	49	309.75
@ MH* 919A RT.	50	309.75



NOT PART OF CONTRACT
CONSTRUCTED UNDER
PHASE 2/CAPLAN'S PROPERTY
CONT. # 14-3237-D

NOT PART OF CONTRACT
CONSTRUCTED UNDER PHASE 2/
CAPLAN'S PROPERTY
CONT. # 14-3237-D

NOT PART OF CONTRACT
CONSTRUCTED UNDER PHASE 2/
CAPLAN'S PROPERTY
CONT. # 14-3237-D



FROM TRAIL VIEW DRIVE BETWEEN LOTS 68 & 71

STREAM BANK WAY

HIGH TIMBER COURT

THIS SHEET 8 OF 9 SUPERSEDES
ORIGINAL SHEET 8 OF 9 AS
APPROVED BY THE DEPARTMENT
OF PUBLIC WORKS ON 12-10-90

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
Director of Public Works: *[Signature]* DATE: 8-10-92
Chief, Bureau of Engineering: *[Signature]* DATE: 8-6-92
Chief, Bureau of Utilities: *[Signature]* DATE: *[Signature]*

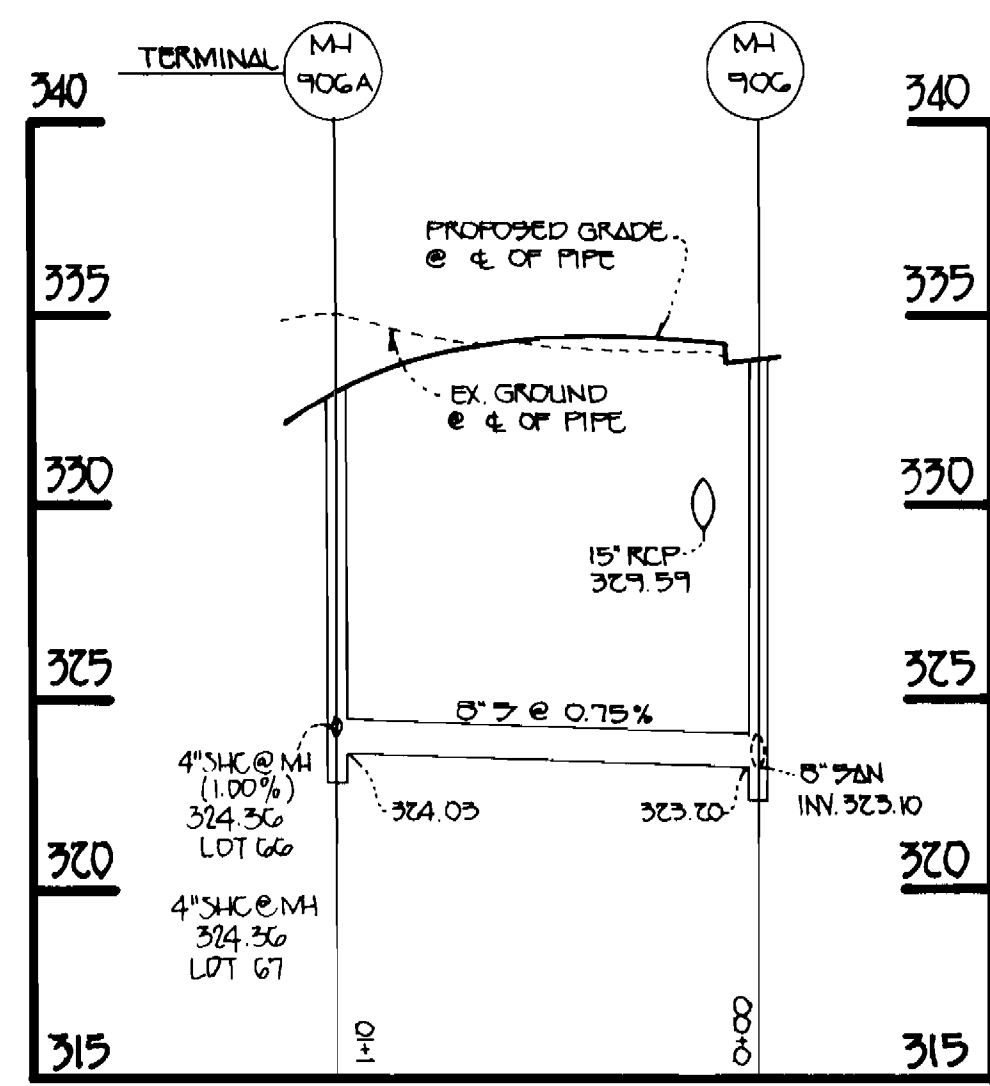
FISHER, COLLINS, AND CARTER, INC.
CONSULTING ENGINEERS AND LAND SURVEYORS
SUITE 100, 7171 BALTIMORE NATIONAL PIKE
ELLCOTT CITY, MARYLAND 21043
TERRELL A. FISHER

DES:	FC/CC	SHOW PHASE 1 & PHASE 2 LIMITS
DRN:		
CHK:		
DATE:	BY NO.	REVISION

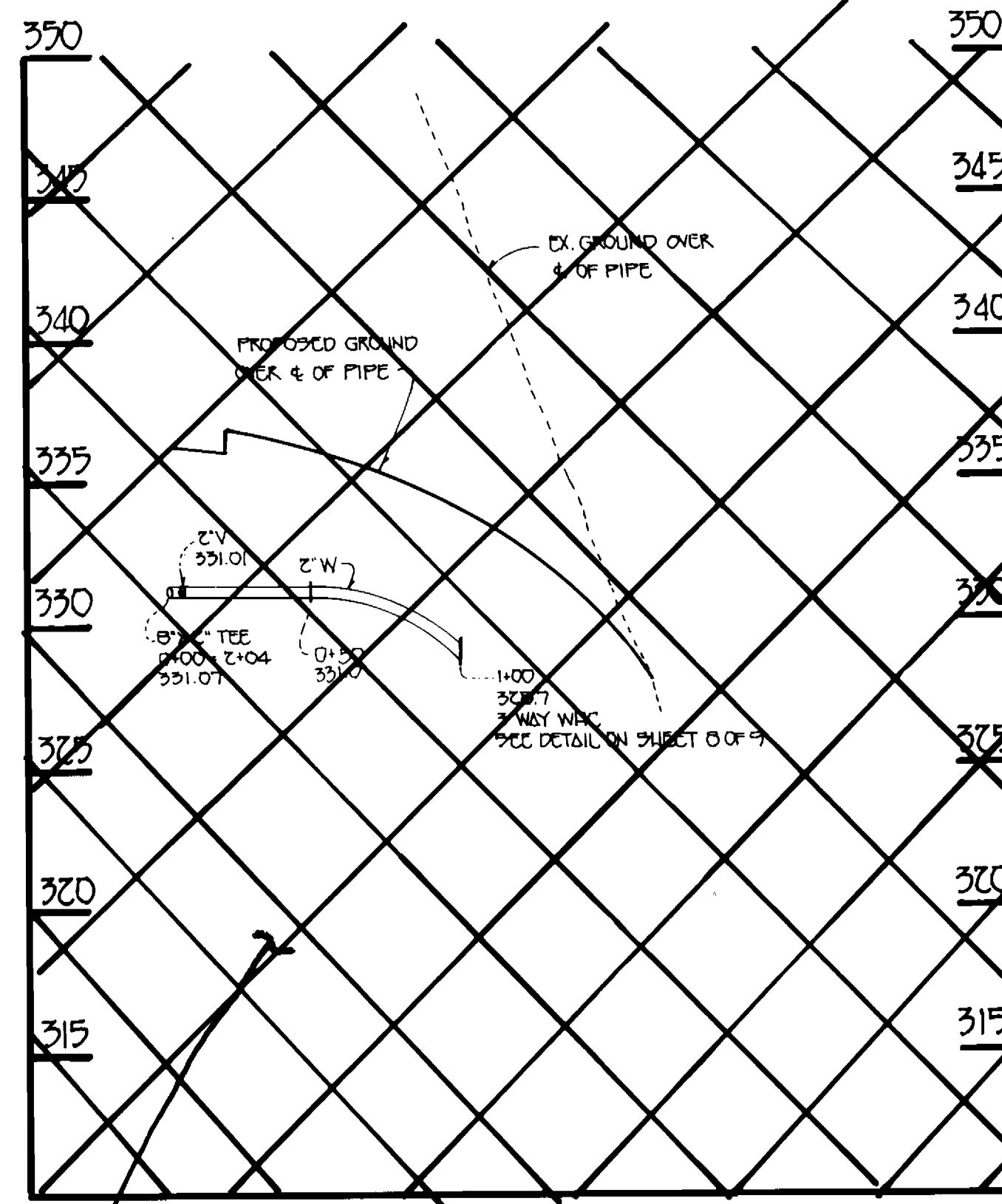
PROFILES
WATER AND SEWER MAINS
600' SCALE MAP NO. 25 BLOCK NO. 13

WATER AND SEWER PROFILES
CAPLAN'S PROPERTY-PH. 1
CONTRACT 14-1966-D-PHASE 1
TAX MAP: 25 PARCELS 38 & 62 & P.O. 278
SECOND ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE AS SHOWN
SHEET 8 OF 9

CONTRACT NO. 14-1966-D-PHASE 1
CAPLAN'S PROPERTY-PHASE 1
WATER AND SEWER MAIN EXTENSIONS
HOWARD COUNTY, MARYLAND



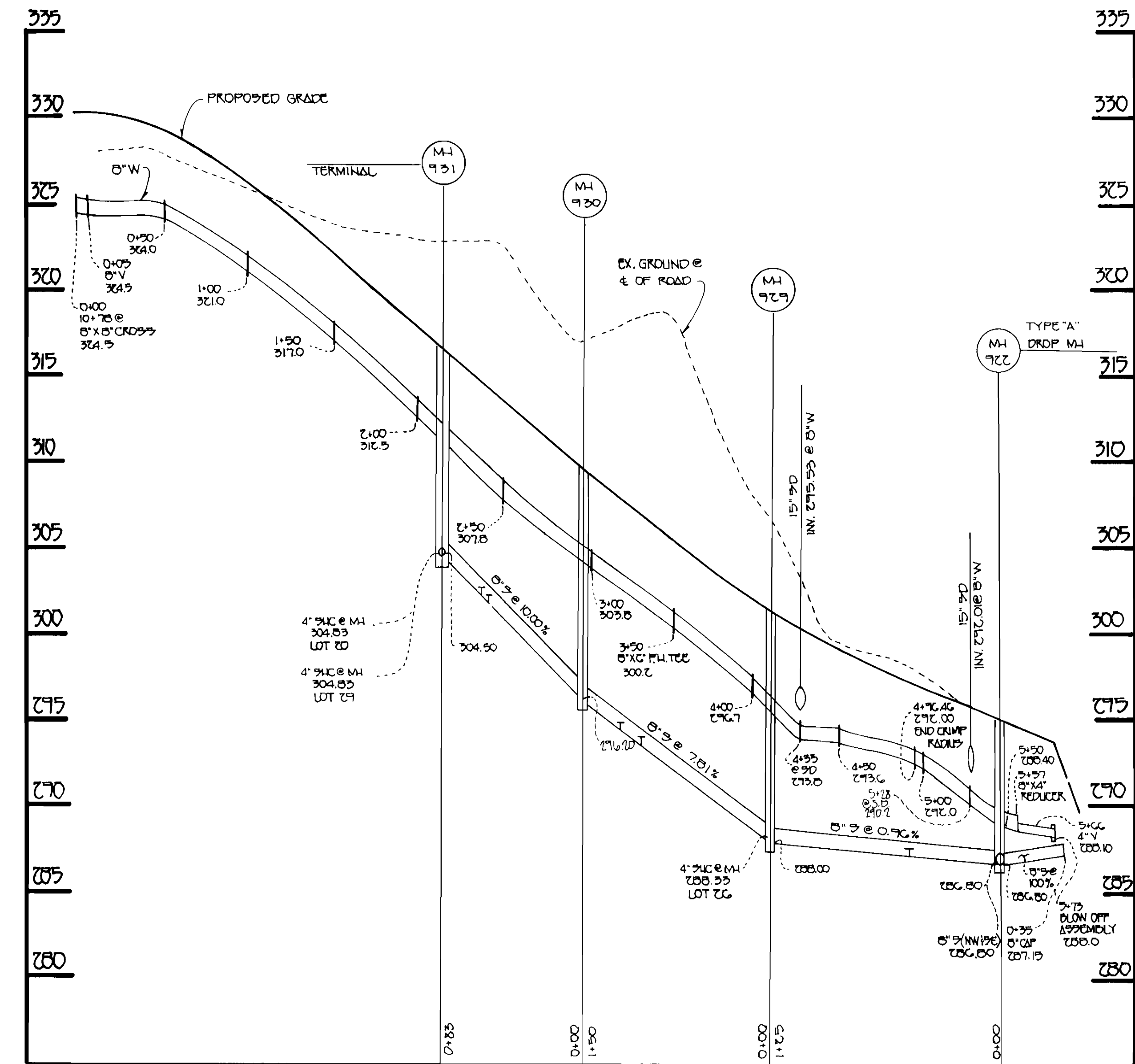
74C INVERT ELEVATIONS @ PROPERTY LINE		
STATION	LOT	ELEVATION
M1* 922 TO M1* 929		
0+52	22	287.77
@ M1* 922 LT.	26	285.93
M1* 929 TO M1* 930		
0+76	21	294.41
0+87	27	295.62
M1* 930 TO M1* 931		
0+55	25	302.51
0+60	23	302.73
@ M1* 931 LT.	29	305.89
@ M1* 931 RT.	30	305.47
M1* 906 TO M1* 906A		
@ M1* 906A LT.	66 (1.00%)	324.46
@ M1* 906A RT.	67	324.52



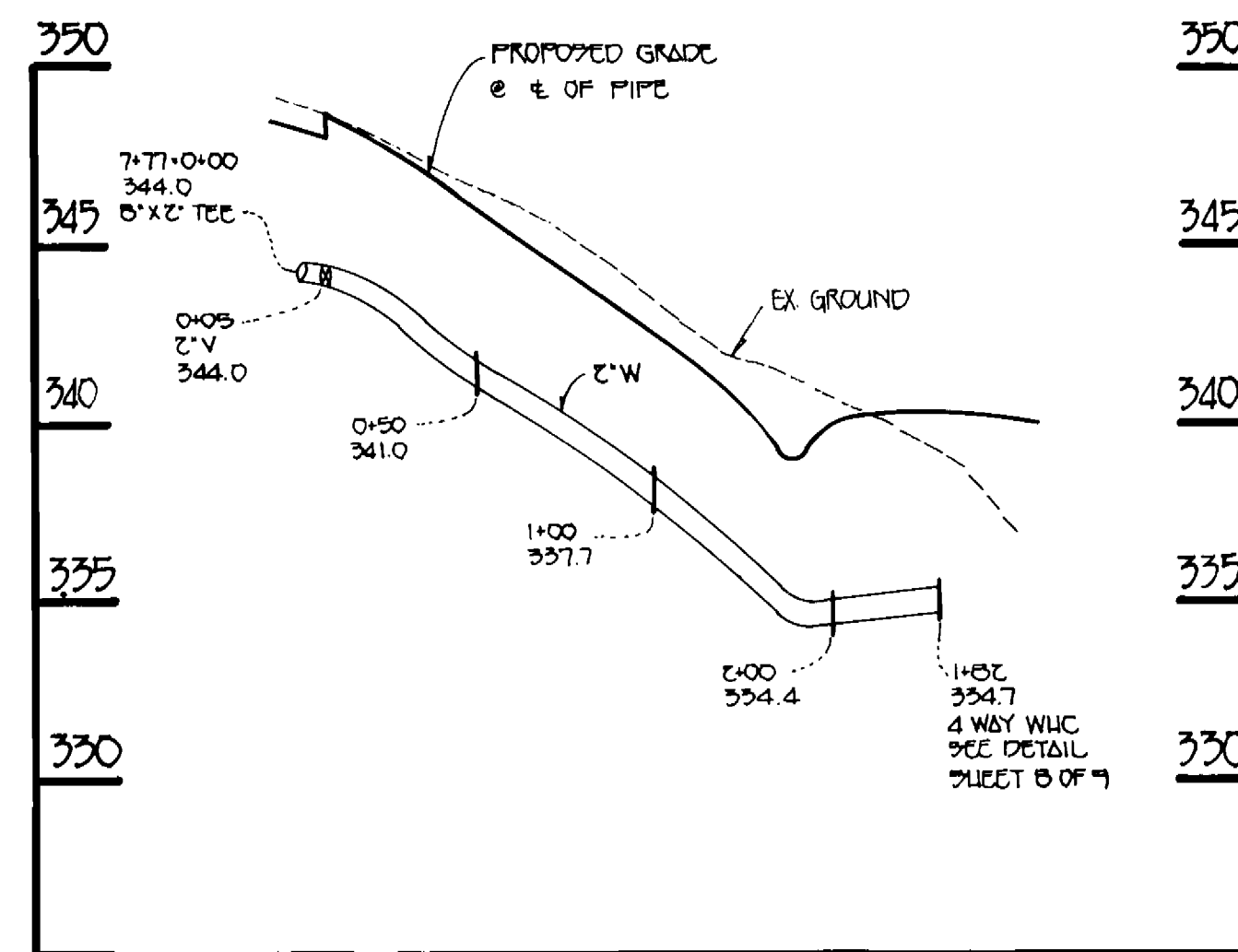
MANHOLE TABULATION CHART				
NO.	6 RD STA.	DISTANCE	RIM ELEV.	SLOPE
910 A	1+08	8' LT.	362.00	+2.00%
910 B	IN COURT		364.97	
910	4+73	7' RT.	360.42	-0.40%
909	7+10	7' RT.	353.05	-6.50%
908	8+16	4' RT.	345.14	-7.00%
907	8+73	4' RT.	341.15	-7.00%
906	9+38	7' RT.	334.13	-5.00%
905	13+34	7' RT.	325.17	-1.45%
911	0+95	4' LT.	329.46	+6.05%
903	IN COURT			
904	2+40	4' LT.	309.42	-10.00%
922	5+43	3' LT.	294.90	-4.50%
929	4+19	2' LT.	301.01	-6.00%
930	3+08	4' LT.	309.34	-8.75%
931	2+20	3' LT.	317.05	-8.75%
907 A			354.00	
907 B			355.90	
906 A			332.34	
914			308.00	
902			292.40	
901 A			286.40	
901			271.00	
900			246.50	
921			256.50	
921 A			277.00	
923			323.80	
923 A			332.60	

NICOLE COURT
TRAIL VIEW COURT
HIGH TIMBER COURT
STREAMBANK WAY
1'-6" ABOVE FINISHED GRADE: STD DET. 65-41

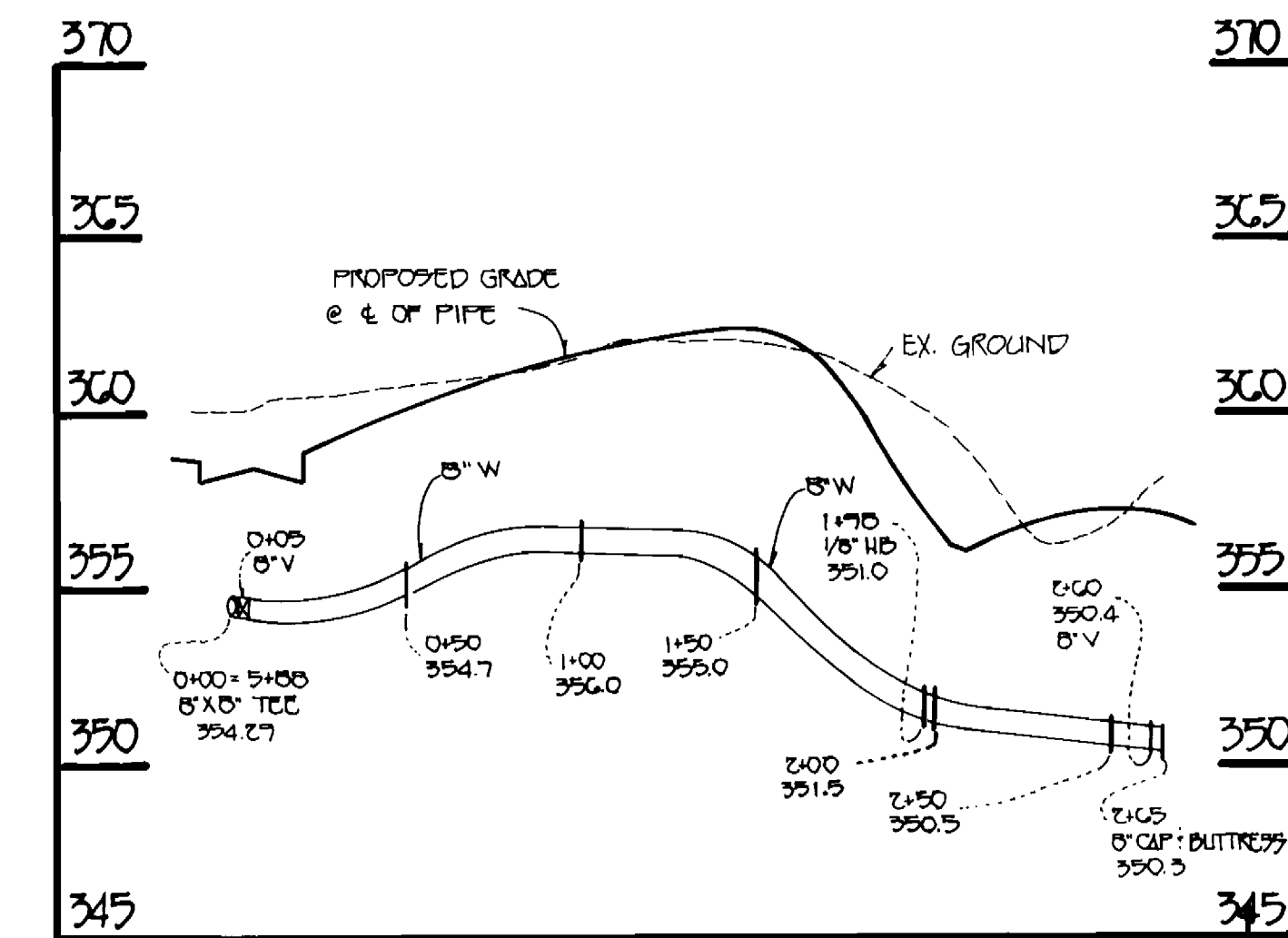
NOT PART OF CONTRACT
CONSTRUCTED UNDER PHASE 2/
CAPLAN'S PROPERTY, CONT.# 14-3237-D.



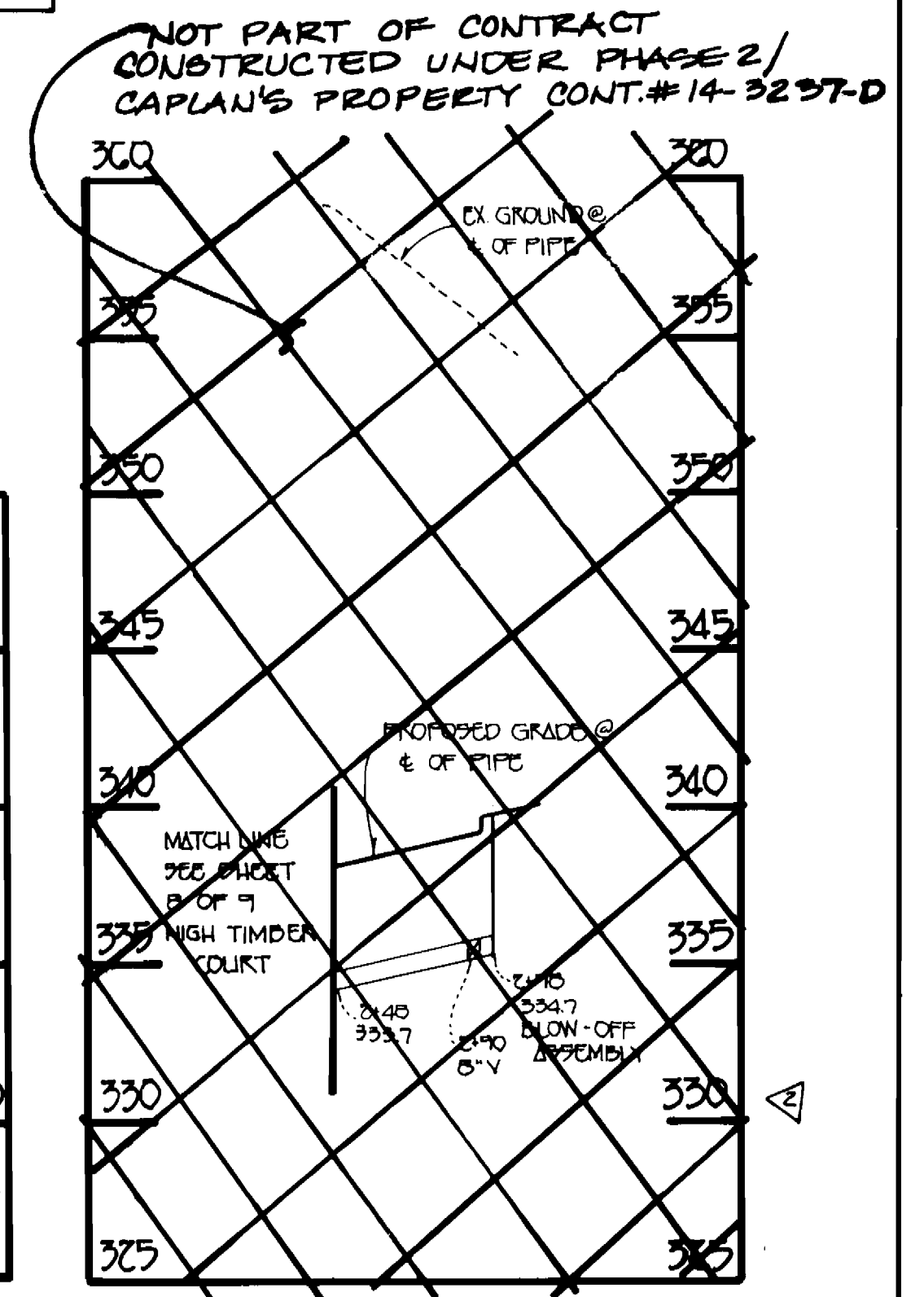
ELLICOTT VIEW ROAD



WATERLINE SERVING LOTS 13-16



WATERLINE SERVING LOTS 74-76



NOT PART OF CONTRACT
CONSTRUCTED UNDER PHASE 2/
CAPLAN'S PROPERTY CONT.# 14-3237-D.

THIS SHEET 9 OF 9 SUPERCEDES ORIGINAL SHEET 9 OF 9 AS APPROVED
BY THE DEPARTMENT OF PUBLIC WORKS ON 12-10-90

PROFILES

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

CONTRACT NO. 14-1966-D-PHASE 1
CAPLAN'S PROPERTY-PHASE 1
WATER AND SEWER MAIN EXTENSIONS
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

James J. ... 8-10-92
DIRECTOR OF PUBLIC WORKS DATE

... 8-6-92
CHIEF, BUREAU OF UTILITIES DATE

... 8/6/92
CHIEF, LAND DEVELOPMENT DIVISION DATE

#9757

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS &
LAND SURVEYORS
SUITE 100, 9171 BALTIMORE NATIONAL PIKE
ELLICOTT CITY, MARYLAND 21042
TELEPHONE (410) 481-2855
FAX: (410) 750-3784

Terrell Fisher
TERRELL FISHER

DES:	F.C.C.	SHOW PHASE 1 & PHASE LIMITS
DRN:		
CHK:		
DATE:	BY NO.	REVISION

PROFILES
WATER AND SEWER MAINS

600' SCALE MAP NO. 25 BLOCK NO. 13

WATER AND SEWER PROFILES
CAPLAN'S PROPERTY - PH. 1
CONTRACT NO. 14-1966-D-PHASE 1
TAX MAP: 25 PARCELS 38 & 62 & P.O. 27R
SECOND ELECTION DISTRICT HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
SHEET 9 OF 9