

A.R.

CONTRACT NO. 24-3276-D

VILLAGE OF LONGREACH

SECTION 4, AREA 3

HOWARD COUNTY, MARYLAND

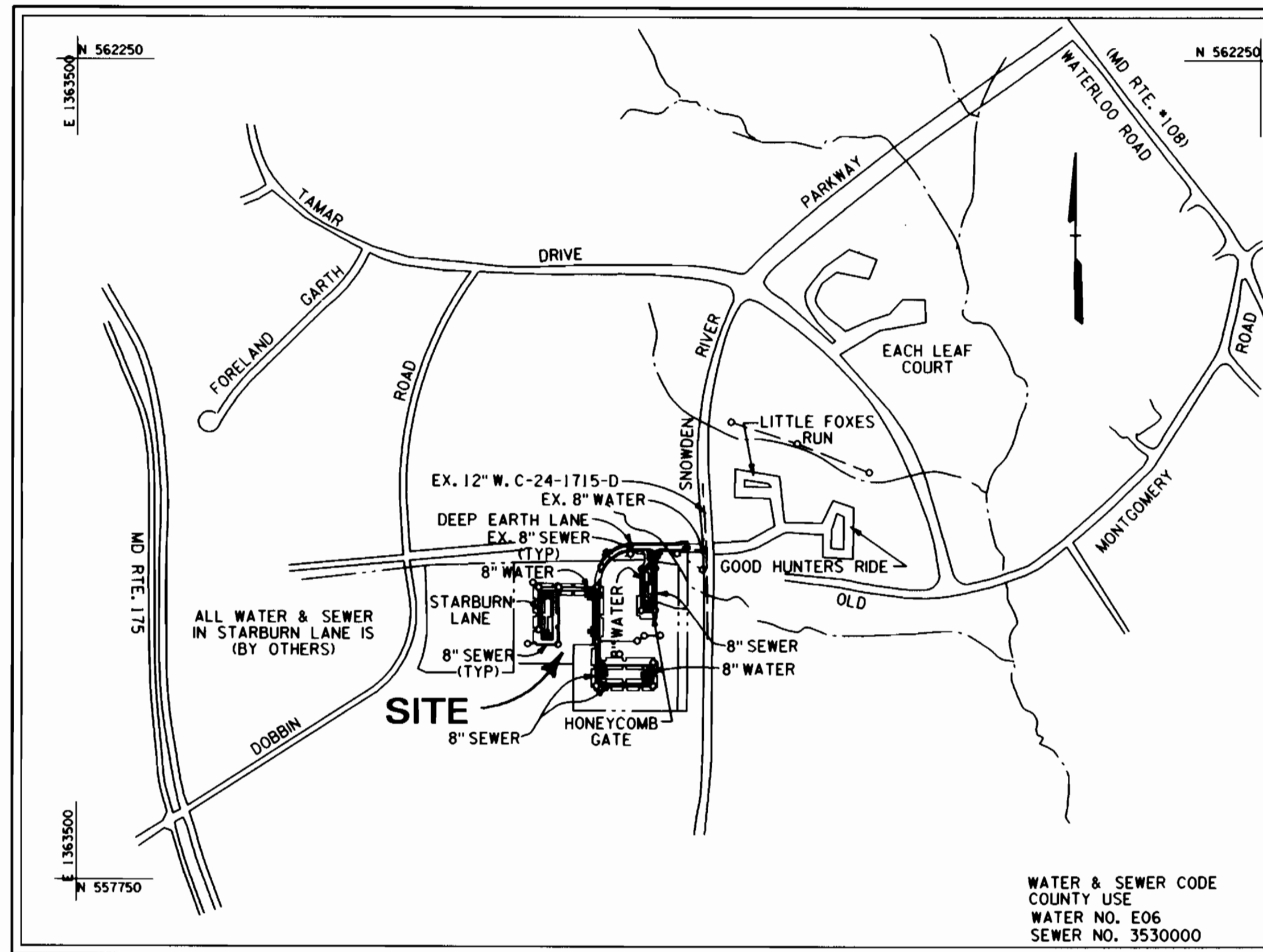
DEPARTMENT OF PUBLIC WORKS

SEWER HOUSE CONNECTION TABLE

LOT	INV. AT E	MIN. C
A1	377.1	381.1
A2	378.3	382.0
A3	378.7	382.4
A4	379.9	383.6
A5	380.4	384.1
A6	381.6	385.3
A7	382.0	385.7
A8	383.9	387.6
A9	385.4	389.1
A10	385.8	389.5
A11	387.1	390.8
A12	386.8	390.5
A13	386.5	390.2
A14	386.0	389.7
A15	385.9	389.6
A16	385.7	389.4
A17	385.5	389.3
A18	385.3	389.1
A19	385.1	388.9
A20	385.3	389.1
A21	385.0	388.8
A22	384.9	388.6
A23	384.9	388.6
A24	384.9	388.6
A25	384.9	388.6
A26	384.9	388.6
A27	384.9	388.6
A28	382.7	386.4
A29	382.3	386.0
A30	381.1	384.8
A31	380.7	384.4
A32	379.5	383.2
A33	379.1	382.8
A34	378.0	381.9
A38	382.4	386.0
A39	382.6	386.2
A40	382.7	386.3
A41	383.0	386.6
A42	383.3	386.9
A43	383.3	386.9
A44	383.6	387.2
A45	383.6	387.2
A46	383.9	387.5
A47	383.9	387.5
A48	383.8	387.6
A49	383.9	387.7

SEWER HOUSE CONNECTION TABLE

LOT	INV. AT E	MIN. C
A50	384.0	387.8
A51	384.1	387.9
A52	384.2	388.0
A53	384.3	388.1
A54	384.4	388.2
A55	384.9	388.6
A56	385.0	389.2
A57	385.2	389.4
A58	385.3	389.5
A59	385.5	389.5
A60	385.7	389.6
A61	386.1	390.1
A62	393.0	396.6
A63	393.3	396.9
A64	393.1	396.7
A65	393.0	396.7
A66	392.7	396.4
A67	392.4	396.0
A68	392.3	396.0
A69	392.2	395.7
A70	393.0	396.5
A71	392.3	395.9
A72	392.1	395.8
A73	392.1	395.7
A74	391.9	395.6
A75	391.9	395.5
A76	391.7	395.4
A77	391.7	395.3
A78	391.5	395.1
A79	391.4	395.0
A80	391.2	394.8
A81	391.1	394.8
A82	391.0	394.6
A83	390.9	394.6
A84	390.8	394.4
A85	390.7	394.4
A86	390.5	394.1
A87	391.1	394.7
A88	390.4	394.0
A89	390.2	393.8
A90	390.1	393.8
A91	390.0	393.6
A92	389.9	393.6
A93	389.8	393.4
A94	389.7	393.4
A95	389.6	393.2



VICINITY MAP

SCALE: 1" = 600'

TYPE OF BUILDING:	TOWNHOUSE
NO. OF LOTS / PARCELS:	95
NO. OF WATER HOUSE CONNECTIONS:	92
NO. OF SEWER HOUSE CONNECTIONS:	92
DRAINAGE AREA:	DORSEY RUN
TREATMENT PLANT:	LITTLE PATUXENT WATER QUALITY MANAGEMENT CENTER, SAVAGE, HOWARD COUNTY

QUANTITIES

ITEM	QUANTITIES ESTIMATED		AS-BUILT	
	QUANTITIES	TYPE	QUANTITIES	MANUFACTURER/SUPPLIER
8" W.	1764 LF	122 B	D.I.P.	Griffin Pipe / Consolidated
6" W.	89 LF	0 B	D.I.P.	Griffin Pipe / Consolidated
8" S.	1917 LF	151 T	PVC	JM Manufacturing / BRS
4" S.	2460 LF	30 B	PVC	JM Manufacturing / BRS
1" W.C.	1085 LF	125 B	COPPER	Howell Metals / BRS
1 1/2" W.C.	1300 LF	151 B	COPPER	Howell Metals / BRS
2" W.C.	220 LF	17 B	COPPER	Howell Metals / BRS
FIRE HYDRANT	5 EA	5 EA		Muegler Co. / BRS
4" DIA. MH	11 EA	11 EA	PRECAST	ATLANTIC / BRS
8" VALVE	6 EA	6 EA		MUELLER CO. / BRS
6" VALVE	5 EA	5 EA		MUELLER CO. / BRS

NAME OF UTILITY CONTRACTOR: C.C.S.
SURVEY AND DRAFTING DIVISION AS-BUILT DATE:

BENCHMARK

DESCRIPTION
STATION 2542001 (CONCRETE MONUMENT)
ELEV. 426.971 (FOR VERTICAL CONTROL ONLY)
STATION IS LOCATED ON BG&E TRANSMISSION LINES 1060'S S.W. OF DOBBIN ROAD

BENCHMARK

DESCRIPTION
STATION 2542002 (CONCRETE MONUMENT)
ELEV. 363.638 (FOR VERTICAL CONTROL ONLY)
STATION IS LOCATED 1000' WEST OF RTE. 175 ON TRANSMISSION LINE AT G. & E. TOWER 19-E NEAR HANOVERS RESTAURANT ENTRANCE

BENCHMARK

DESCRIPTION
STATION 370R (1/4" REBAR)
N16981.1794, E416566.71551 (FOR HORIZONTAL CONTROL ONLY)
STATION IS LOCATED 0.45 MILES NORTH OF RTE. 175 AND 46' EAST OF THE EAST CURB OF SNOWDEN RIVER PARKWAY

BENCHMARK

DESCRIPTION
STATION 36A (CONCRETE MONUMENT)
N169205.9263, E416313.5119 (FOR HORIZONTAL CONTROL ONLY)
STATION IS LOCATED AT THE SOUTHWEST CORNER OF THE INTERSECTION OF SNOWDEN RIVER PARKWAY AND RTE. 175 3' FROM CURB AND 5.7' FROM GUARDRAIL END

GENERAL NOTES

- PART I -**
- 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. DATA.
 - ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
 - CLEAR ALL UTILITIES BY A MINIMUM OF 6" CLEAR ALL POLES BY 2' - 0" MINIMUM OR TUNNEL AS REQUIRED. THE OWNER HAS CONTACTED THE UTILITY COMPANIES AND HAS MADE ARRANGEMENTS FOR BRACING OF POLES AS SHOWN ON THE DRAWINGS. IN THE EVENT THE CONTRACTOR'S WORK REQUIRES THE BRACING OF ADDITIONAL POLES, ANY COST INCURRED BY THE OWNER FOR BRACING OF ADDITIONAL POLES SHALL BE DEDUCTED FROM MONEY OWED THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANIES TO SCHEDULE THE BRACING OF THE POLES.
 - FOR DETAILS NOT SHOWN ON THE DRAWINGS AND FOR MATERIALS AND CONSTRUCTION METHODS USE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, STANDARD SPECIFICATIONS AND DETAIL FOR CONSTRUCTION (LATEST EDITION). 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 LOCATED BY THE CONTRACTOR TWO WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS AT HIS OWN EXPENSE.
 - CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITY COMPANIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:

STATE HIGHWAY ADMINISTRATION	531-5533
BG&E CO. CONTRACTOR SERVICES	850-4620
BG&E CO. UNDER GROUND DAMAGE CONTROL	787-9068
MSS UTILITY	1-800-257-7777
COLONIAL PIPELINE CO.	795-1390
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS	795-1390
BUREAU OF UTILITIES	313-4900

- PART II - WATER**
- 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.
 - THE CONTRACTOR SHALL NOTIFY THE BUREAU OF HIGHWAYS, HOWARD COUNTY, AT (410) 313-2450 AT LEAST FIVE WORKING DAYS BEFORE ANY OPEN CUT OF ANY COUNTY ROAD OR BORING/JACKING OPERATION IN COUNTY ROADS FOR LAYING WATER/SEWER MAINS OR HOUSE CONNECTIONS. THE APPROVAL OF THESE DRAWINGS WILL CONSTITUTE COMPLIANCE WITH DPW REQUIREMENTS PER SECTION 18.114(A) OF THE HOWARD COUNTY CODE.

- PART III - SEWER**
- ALL SEWER MAINS SHALL BE DIP, RCP, VCPX, CSPX, RCCP, AND 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" DIAMETER UNLESS OTHERWISE NOTED.
 - FORCE MAINS SHALL BE D.I.P. ONLY.
 - MANHOLES SHOWN WITH 12" AND 16" WALLS ARE FOR BRICK MANHOLES ONLY.
 - MANHOLES DESIGNATED W.T. IN PLAN AND PROFILE SHALL HAVE WATER-TIGHT FRAME AND COVERS. STANDARD DETAIL 05-52, WHERE WATER-TIGHT MANHOLE FRAME AND COVER IS USED, SET TOP OF FRAME 1" - 6" ABOVE FINISHED GRADE UNLESS OTHERWISE NOTED ON THE DRAWINGS.
 - HOUSE(S) WITH THE SYMBOL "C.N.S." INDICATES THAT CELLAR CANNOT BE SERVED.

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENT

[Signature] 9/23/93
SIGNATURE DATE

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

APPROVED *[Signature]* 9/23/93
HOWARD S.C.D. DATE

SEDIMENT CONTROL MEASURES WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE SPECIFICATIONS AND WITH ROAD CONSTRUCTION PLANS F93-131

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

[Signature] 9/23/93
DIRECTOR OF PUBLIC WORKS - DATE

[Signature] 9/23/93
CHIEF - BUREAU OF ENGINEERING - DATE

[Signature] 9/23/93
CHIEF - BUREAU OF UTILITIES - DATE

[Signature] 9/23/93
CHIEF - LAND DEVELOPMENT DIVISION - DATE

DMW
Daft - McCune - Walker, Inc.

A Team of Land Planners, Landscape Architects, Engineers, Surveyors & Environmental Professionals

200 East Pennsylvania Avenue
Towson, Maryland 21286
410 296 3333
410 296 4705



DESIGN BY:	JCS
DRAWN BY:	JMJ
CHECKED BY:	JWR
DATE:	7/22/93
BY NO.	
REVISION	
DATE	

TITLE SHEET

600 SCALE MAP NO. 37 BLOCK NO. 7

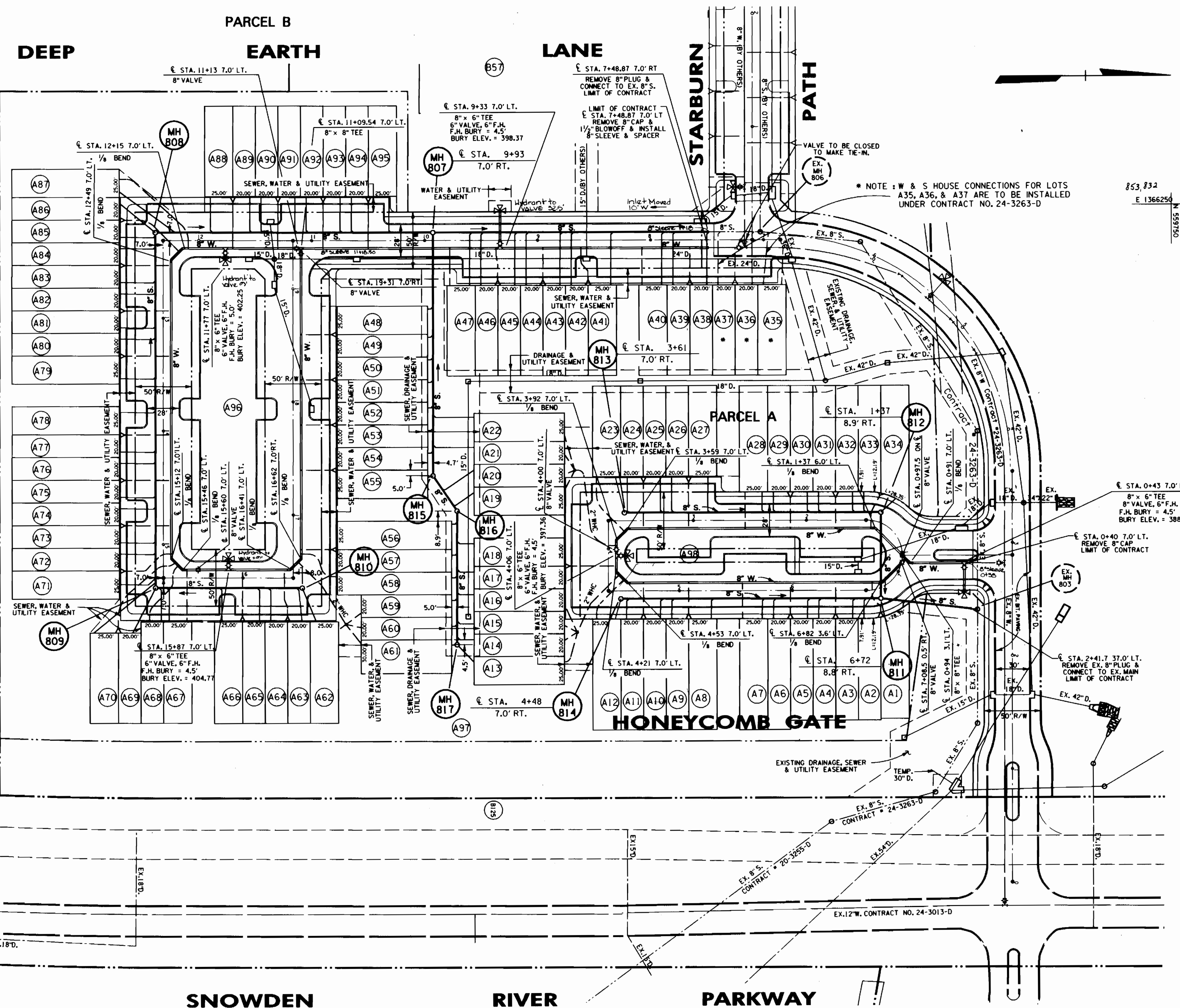
COLUMBIA
VILLAGE OF LONGREACH
SECTION 4 AREA 3
LOTS A1 THRU A95 & A96 THRU A99
6TH ELECTION DISTRICT

SCALE AS SHOWN

SHEET 1 OF 3

CONTRACT NO. 24-3276-D

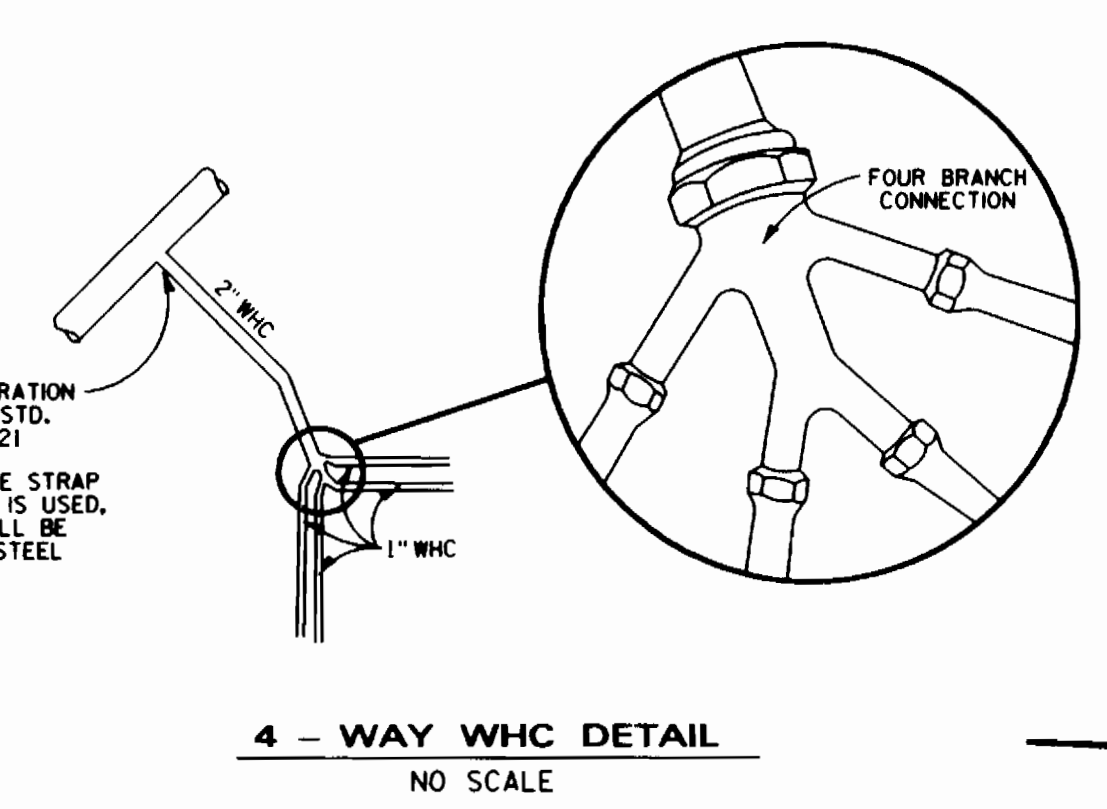
W/S 3276-D / 1 V.L.R. 4/3



HOWARD RESEARCH & DEVELOPMENT CORP.
400/727
NEW TOWN

SECTION 3 AREA 2
VILLAGE OF LONGREACH
NEW TOWN

NOTE: ALL SINGLE WATER HOUSE CONNECTIONS ARE TO BE A MINIMUM OF 1" WITH 1/2" METER. TWIN WATER HOUSE CONNECTIONS ARE TO BE 1/2" FROM THE MAIN TO THE TWIN COUPLING.



DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

Robert J. Brown 9/23/93
DIRECTOR OF PUBLIC WORKS - DATE

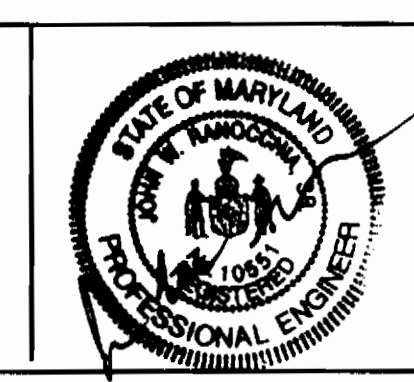
Robert J. Brown 9-17-93
CHIEF - BUREAU OF UTILITIES - DATE

Robert J. Brown 9/23/93
CHIEF - BUREAU OF ENGINEERING - DATE

Robert J. Brown 9/23/93
CHIEF - LAND DEVELOPMENT DIVISION & DATE

DMW
Daft · McCune · Walker, Inc.

A Team of Land Planners, 200 East Pennsylvania Avenue
Landscape Architects, Towson, Maryland, 21286
Engineers, Surveyors & Environmental Professionals 410 296 3333
Fax 296 4705



DESIGN BY:	JCS
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DATE:	7/22/93
BY NO.	
REVISION	
DATE	

WATER & SEWER PLAN

600 SCALE MAP NO. 37 BLOCK NO. 7

COLUMBIA
VILLAGE OF LONGREACH
SECTION 4 AREA 3
LOTS A1 THRU A95 & LOTS A96 THRU A99
6TH ELECTION DISTRICT
CONTRACT NO. 24-3276-D

SCALE AS SHOWN
SHEET 2 OF 3

A.B.

3276 3/4 As-Built Connection Info. V.L.R. 9/3

AS-BUILT WATER HOUSE CONNECTIONS					
FROM	TO	DISTANCE	FROM	TO	DISTANCE
LOT#A1	M4 B11	16'	LOT#A02	I-19	28'
LOT#A1	I-7	46'	LOT#A02	I-19	23'
LOT#A2	M4 B11	17'	LOT#A03	I-19	29'
LOT#A2	I-7	45'	LOT#A03	I-19	23'
LOT#A3	M4 B11	36'	LOT#A04	I-19	68'
LOT#A3	I-7	42'	LOT#A04	M4-B10	108'
LOT#A4	M4 B11	42'	LOT#A05	I-19	93'
LOT#A4	I-7	43'	LOT#A05	M4-B10	104'
LOT#A5	M4 B11	76'	LOT#A06	M4-B10	47'
LOT#A5	I-7	67'	LOT#A06	HYDRANT @ 10+87	99'
LOT#A6	M4 B11	80.5'	LOT#A07	M4-B10	44'
LOT#A6	I-7	71'	LOT#A07	HYDRANT @ 10+87	99'
LOT#A7	I-7	71.7'	LOT#A08	M4-B10	34'
LOT#A7	HYDRANT @ 4+76	116'	LOT#A08	HYDRANT @ 10+87	100'
LOT#A8	HYDRANT @ 4+76	79'	LOT#A09	M4-B10	64'
LOT#A8	M4 B14	56'	LOT#A09	SUC LOT#A62	42'
LOT#A9	HYDRANT @ 4+76	75.5'	LOT#A10	M4 B11	99'
LOT#A9	M4 B14	59'	LOT#A10	SUC LOT#A62	41'
LOT#A10	HYDRANT @ 4+76	57'	LOT#A11	M4 B10	13'
LOT#A10	M4 B14	29.5'	LOT#A11	SUC LOT#A62	44'
LOT#A11	HYDRANT @ 4+76	56.5'	LOT#A12	M4 B11	48'
LOT#A11	M4 B14	26.5'	LOT#A12	SUC LOT#A62	20'
LOT#A12	HYDRANT @ 4+76	62'	LOT#A13	HYDRANT @ 10+87	79'
LOT#A12	M4 B14	27'	LOT#A13	VALVE @ 10+60	92'
LOT#A13	HYDRANT @ 4+76	107'	LOT#A14	HYDRANT @ 10+87	74'
LOT#A13	M4 B14	71.5'	LOT#A14	VALVE @ 10+40	90'
LOT#A14	HYDRANT @ 4+76	89.5'	LOT#A15	HYDRANT @ 10+87	58'
LOT#A14	M4 B14	59'	LOT#A16	VALVE @ 10+60	61'
LOT#A15	HYDRANT @ 4+76	85'	LOT#A16	HYDRANT @ 10+87	57'
LOT#A15	M4 B14	54'	LOT#A17	VALVE @ 10+60	58'
LOT#A16	HYDRANT @ 4+76	71.5'	LOT#A18	HYDRANT @ 10+87	26.5'
LOT#A16	M4 B14	49'	LOT#A18	VALVE @ 10+87	24.5'
LOT#A17	HYDRANT @ 4+76	58'	LOT#A19	VALVE @ 10+40	47'
LOT#A17	M4 B14	57'	LOT#A19	M4 B09	44'
LOT#A18	HYDRANT @ 4+76	57.5'	LOT#A20	VALVE @ 10+60	66'
LOT#A18	M4 B14	59'	LOT#A20	M4 B09	33'
LOT#A19	HYDRANT @ 4+76	58'	LOT#A21	VALVE @ 10+60	88'
LOT#A19	M4 B13	58'	LOT#A21	M4 B09	51'
LOT#A20	HYDRANT @ 4+76	92'	LOT#A22	VALVE @ 10+60	91'
LOT#A20	M4 B13	64'	LOT#A22	M4 B09	53'
LOT#A21	HYDRANT @ 4+76	107'	LOT#A23	VALVE @ 10+60	69'
LOT#A21	M4 B13	79'	LOT#A23	M4 B09	33'
LOT#A22	HYDRANT @ 4+76	118'	LOT#A24	VALVE @ 10+60	70'
LOT#A22	M4 B13	89'	LOT#A24	M4 B09	54'
LOT#A23	HYDRANT @ 4+76	78.5'	LOT#A25	VALVE @ 10+60	78'
LOT#A23	M4 B13	69'	LOT#A25	M4 B09	59'
LOT#A24	HYDRANT @ 4+76	69.5'	LOT#A26	VALVE @ 10+60	80'
LOT#A24	M4 B13	34'	LOT#A26	M4 B09	62'
LOT#A25	HYDRANT @ 4+76	71.5'	LOT#A27	SUC LOT#76	13.5'
LOT#A25	M4 B13	37'	LOT#A27	M4 B09	96'
LOT#A26	HYDRANT @ 4+76	86'	LOT#A28	SUC LOT#76	10'
LOT#A26	M4 B13	65'	LOT#A28	M4 B09	100'
LOT#A27	HYDRANT @ 4+76	89'	LOT#A29	SUC LOT#77	142'
LOT#A27	M4 B13	67'	LOT#A29	WAC LOT#76	48'
LOT#A28	SUC LOT#28	16'	LOT#A30	SUC LOT#78	18'
LOT#A29	I-6	114'	LOT#A30	WAC LOT#77	45'
LOT#A29	M4 B12	87.5'	LOT#A31	WAC LOT#80	9'
LOT#A30	I-6	84'	LOT#A31	SUC LOT#79	18'
LOT#A30	M4 B12	82'	LOT#A32	SUC LOT#80	13'
LOT#A31	I-6	79'	LOT#A32	WAC LOT#79	45'
LOT#A31	M4 B12	48'	LOT#A33	M4 B08	79'
LOT#A32	I-6	43'	LOT#A33	SUC LOT#81	13.5'
LOT#A32	M4 B12	60'	LOT#A34	WAC LOT#81	70'
LOT#A33	I-6	59'	LOT#A34	M4 B08	46'
LOT#A33	M4 B12	17'	LOT#A35	HYDRANT @ 11+77	94'
LOT#A34	I-6	60'	LOT#A35	M4 B08	43'
LOT#A34	M4 B12	15'	LOT#A36	HYDRANT @ 11+77	95'
LOT#A35	I-6	61'	LOT#A36	M4 B08	34'
LOT#A36	Valve @ 4+76	10'	LOT#A37	HYDRANT @ 11+77	95'
LOT#A37	Valve @ 4+76	15.5'	LOT#A37	M4 B08	34'
LOT#A38	Valve @ 4+76	6'	LOT#A38	HYDRANT @ 11+77	100'
LOT#A39	M4 B12	42.5'	LOT#A39	M4 B08	96'
LOT#A40	M4 B11	42.5'	LOT#A40	SUC LOT#87	107'
LOT#A41	M4 B11	38.5'	LOT#A41	HYDRANT @ 11+77	56'
LOT#A42	M4 B11	38.5'	LOT#A42	VALVE @ 11+13	75'
LOT#A43	Valve @ 7+76	4.5'	LOT#A43	HYDRANT @ 11+77	57'
LOT#A44	I-22	50'	LOT#A44	VALVE @ 11+13	72'
LOT#A45	I-14	94.5'	LOT#A45	HYDRANT @ 11+77	72'
LOT#A46	I-22	66'	LOT#A46	VALVE @ 11+13	50'
LOT#A47	I-14	52'	LOT#A47	HYDRANT @ 11+77	75.5'
LOT#A48	I-14	99'	LOT#A48	VALVE @ 11+13	49'
LOT#A49	I-14	23'	LOT#A49	HYDRANT @ 11+77	100.5'
LOT#A50	I-22	102'	LOT#A50	VALVE @ 11+13	50'
LOT#A51	I-14	22'	LOT#A51	VALVE @ 11+13	53'
LOT#A52	I-14	46'	LOT#A52	VALVE @ 12+51	54'
LOT#A53	HYDRANT @ 9+33	77'	LOT#A53	VALVE @ 11+13	75'
LOT#A54	I-14	50'	LOT#A54	M4 B07	68'
LOT#A55	HYDRANT @ 9+33	75'	LOT#A55	VALVE @ 11+13	79'
LOT#A56	I-14	83'	LOT#A56	M4 B07	64'
LOT#A57	HYDRANT @ 9+33	66'	LOT#A57	SUC LOT#49	19'
LOT#A58	VALVE @ 9+33	55'	LOT#A58	I12	42'
LOT#A59	HYDRANT @ 9+33	19.5'	LOT#A59	SUC LOT#50	26'
LOT#A60	I-18	66.5'	LOT#A60	I12	56'
LOT#A61	I-19	70'	LOT#A61	SUC LOT#01	25'
LOT#A62	I-18	69.5'	LOT#A62	I12	76'
LOT#A63	I-18	65.1'	LOT#A63	SUC LOT#02	21'
LOT#A64	I-18	95'	LOT#A64	I12	64'
LOT#A65	I-18	34'	LOT#A65	SUC LOT#03	15'
LOT#A66	I-18	99'	LOT#A66	I12	80'
LOT#A67	I-19	30'	LOT#A67	SUC LOT#04	23'

AS-BUILT SEWER HOUSE CONNECTIONS					
FROM	TO	DISTANCE	FROM	TO	DISTANCE
LOT#A01	M4 B11	27'	LOT#A06	M4 B10	44'
LOT#A1	I-7	51'	LOT#A06	M4 B16	12'
LOT#A2	M4 B11	23'	LOT#A07	M4 B16	35'
LOT#A2	I-7	41.5'	LOT#A07	I13	61'
LOT#A3	M4 B11	30'	LOT#A08	M4 B16	98'
LOT#A3	I-7	43'	LOT#A08	I13	44'
LOT#A4	M4 B11	56'	LOT#A09	M4 B16	76'
LOT#A4	I-7	57'	LOT#A09	I13	26'
LOT#A5	M4 B11	66'	LOT#A10	M4 B17	22'
LOT#A5	I-7	60'	LOT#A10	I13	18'
LOT#A6	M4 B11	91'	LOT#A11	M4 B17	8'
LOT#A7	M4 B11	104'	LOT#A11	I13	28'
LOT#A7	I-7	98'	LOT#A12	M4 B10	26'
LOT#A8	M4 B14	85'	LOT#A12	HYDRANT @ 10+87	98'
LOT#A8	HYDRANT @ 4+76	94'	LOT#A13	M4 B10	35'
LOT#A9	M4 B14	51'	LOT#A14	HYDRANT @ 10+87	85'
LOT#A9	HYDRANT @ 4+76	70'	LOT#A14	VALVE @ 10+60	81'
LOT#A10	M4 B14	42'	LOT#A15	HYDRANT @ 10+87	60'
LOT#A10	HYDRANT @ 4+76	65'	LOT#A15	VALVE @ 10+60	72'
LOT#A11	M4 B14	25'	LOT#A16	HYDRANT @ 10+87	60'
LOT#A11	HYDRANT @ 4+76	60'	LOT#A16	VALVE @ 10+60	55'
LOT#A12	M4 B14	22'	LOT#A17	M4 B09	37'
LOT#A12	HYDRANT @ 4+76	60'	LOT#A17	VALVE @ 10+60	55'
LOT#A13	I-13	40'	LOT#A18	M4 B09	49'
LOT#A13	M4 B17	19'	LOT#A18	VALVE @ 10+60	84'
LOT#A14	I-13	26'	LOT#A19	M4 B09	49'
LOT#A14	M4 B17	28.5'	LOT#A19	VALVE @ 10+60	84'
LOT#A15	I-13	11'	LOT#A20	M4 B09	62'
LOT#A15	M4 B16	76'	LOT#A20	VALVE @ 10+60	109'
LOT#A16	I-13	22'	LOT#A21	M4 B09	32'
LOT#A16	M4 B16	56'	LOT#A21	VALVE @ 10+60	72'
LOT#A17	M4 B16	90.5'	LOT#A22	M4 B09	43'
LOT#A17	M4 B16	32'	LOT#A22	VALVE @ 10+60	74'
LOT#A18	M4 B16	74'	LOT#A23	M4 B09	50'
LOT#A18	M4 B16	25'	LOT#A23	VALVE @ 10+60	76'
LOT#A19	M4 B16	41'	LOT#A24	M4 B09	91'
LOT#A19	M4 B16	41'	LOT#A24	VALVE @ 10+60	97'
LOT#A20	M4 B16	38'	LOT#A25	M4 B09	15'
LOT#A20	M4 B16	59'	LOT#A25	SUC LOT#76	9'
LOT#A21	M4 B16	40'	LOT#A26	WAC LOT#77	14.5'
LOT#A21	M4 B16	84'	LOT#A26	SUC LOT#76	9'
LOT#A22	M4 B16	64'	LOT#A27	WAC LOT#76	18'
LOT#A22	M4 B16	33'	LOT#A27	SUC LOT#79	31'
LOT#A23	M4 B16	75'	LOT#A28	WAC LOT#79	18'
LOT#A23	M4 B16	51'	LOT#A28	SUC LOT#78	31'
LOT#A24	M4 B16	72'	LOT#A29	WAC LOT#80	13'
LOT#A24	M4 B16	45'	LOT#A29	M4 B08	102'
LOT#A25	M4 B16	76'	LOT#A30	SUC LOT#80	10'
LOT#A26	M4 B16	80'	LOT#A31	M4 B08	91'
LOT#A27	M4 B16	81'	LOT#A32	HYDRANT @ 11+77	101'
LOT#A28	M4 B16	100'	LOT#A33	M4 B08	60'
LOT#A29	M4 B16	110'	LOT#A34	HYDRANT @ 11+77	99'
LOT#A30	I-6	102.5'	LOT#A35	M4 B08	58'
LOT#A31	M4 B12	100'	LOT#A36	HYDRANT @ 11+77	97'
LOT#A32	I-6	90'	LOT#A37	M4 B08	40'
LOT#A33	M4 B12	71'	LOT#A38	HYDRANT @ 11+77	97'
LOT#A34	I-6	74'	LOT#A39	M4 B08	33'
LOT#A35	M4 B12	62'	LOT#A40	WAC LOT#80	14'
LOT#A36	I-6	68'	LOT#A41	M4 B08	43'
LOT#A37	M4 B12	39'	LOT#A42	SUC LOT#86	10.5'
LOT#A38	I-6	61'	LOT#A43	M4 B08	49'
LOT#A39	M4 B12	27'	LOT#A44	HYDRANT @ 11+77	59'
LOT#A40	I-6	60'	LOT#A45	VALVE @ 11+13	90'
LOT#A41	M4 B12	23'	LOT#A46	HYDRANT @ 11+77	62.5'
LOT#A42	I-6	59'	LOT#A47	VALVE @ 11+13	66'
LOT#A43	M4 B12	22'	LOT#A48	HYDRANT @ 11+77	67'
LOT#A44	I-6	59'	LOT#A49	VALVE @ 11+13	59'
LOT#A45	M4 B12	22'	LOT#A50	HYDRANT @ 11+77	85'
LOT#A46	I-6	58'	LOT#A51	VALVE @ 11+13	49'
LOT#A47	M4 B12	22'	LOT#A52	HYDRANT @ 11+77	95'
LOT#A48	I-6	57'	LOT#A53	VALVE @ 11+13	51'
LOT#A49	M4 B12	22'	LOT#A54	HYDRANT @ 11+77	89'
LOT#A50	I-6	56'	LOT#A55	VALVE @ 11+13	61'
LOT#A51	M4 B12	22'	LOT#A56	HYDRANT @ 11+77	10'
LOT#A52	I-6	55'	LOT#A57	VALVE @ 11+13	49'
LOT#A53	M4 B12	22'	LOT#A58	HYDRANT @ 11+77	95'
LOT#A54	I-6	54'	LOT#A59	VALVE @ 11+13	50'
LOT#A55	M4 B12	22'	LOT#A60	HYDRANT @ 11+77	96'
LOT#A56	I-6	53'	LOT#A61	VALVE @ 11+13	96'
LOT#A57	M4 B12	22'	LOT#A62	HYDRANT @ 11+77	96'
LOT#A58	I-6	52'	LOT#A63	VALVE @ 11+13	96'
LOT#A59	M4 B12	22'	LOT#A64	HYDRANT @ 11+77	96'
LOT#A60	I-6	51'	LOT#A65	VALVE @ 11+13	96'
LOT#A61	M4 B12	22'	LOT#A66	HYDRANT @ 11+77	96'
LOT#A62	I-6	50'	LOT#A67	VALVE @ 11+13	96'
LOT#A63	M4 B12	22'	LOT#A68	HYDRANT @ 11+77	96'
LOT#A64	I-6	49'	LOT#A69	VALVE @ 11+13	96'
LOT#A65	M4 B12	22'	LOT#A70	HYDRANT @ 11+77	96'
LOT#A66	I-6	48'	LOT#A71	VALVE @ 11+13	96'
LOT#A67	M4 B12	22'	LOT#A72	HYDRANT @ 11+77	96'
LOT#A68	I-6	47'	LOT#A73	VALVE @ 11+13	96'
LOT#A69	M4 B12	22'	LOT#A74	HYDRANT @ 11+77	96'
LOT#A70	I-6	46'	LOT#A75	VALVE @ 11+13	96'
LOT#A71	M4 B12	22'	LOT#A76	HYDRANT @ 11+77	96'
LOT#A72	I-6	45'	LOT#A77	VALVE @ 11+13	96'
LOT#A73	M4 B12	22'	LOT#A78	HYDRANT @ 11+77	96'
LOT#A74	I-6	44'	LOT#A79	VALVE @ 11+13	96'
LOT#A75	M4 B12	22'	LOT#A80	HYDRANT @ 11+77	96'
LOT#A76	I-6	43'	LOT#A81	VALVE @ 11+13	96'
LOT#A77	M4 B12	22'	LOT#A82	HYDRANT @ 1	