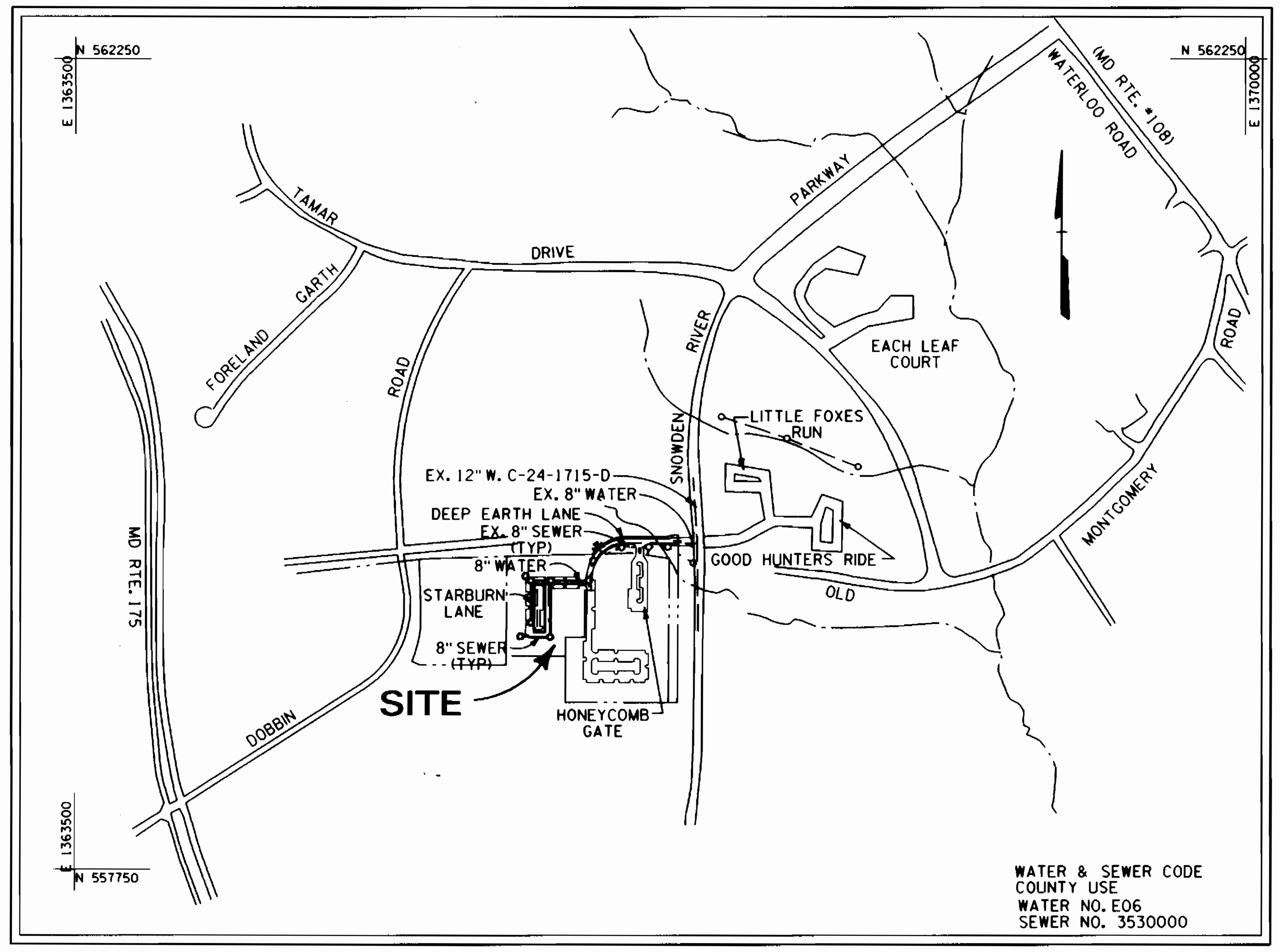
CONTRACT NO. 24–3277–D
VILLAGE OF
LONGREACH
SECTION 4, AREA 3
HOWARD COUNTY, MARYLAND
DEPARTMENT OF PUBLIC WORKS

SEWER HOUSE CONNECTION TABLE

	LOT	STA	INV. AT ℄	MIN. C
	B1	0+60	382.4	386.2
	B2	0+10	382.5	386.3
	B3	1+00	382.7	386.3
EX. MH 806/818	B4	1+10	382.8	386.4
	B5	1+40	383.0	386.7
	B6	1+50	383.1	386.7
	B7	1+82	383.4	387.0
	B8	1+38	384.7	388.4
	B9	1+72	385.1	388.8
	B10	1+82	385.2	388.9
	B11	2+13	385.6	389.3
MH 818/821	B12	2+23	385.7	389.4
	B13	2+51	386.1	389.8
	B14	2+61	386.2	389.9
	B15	2+88	386.5	390.2
	WYE B16	2+90	387.5	391.1
	WYE B17	3+05	387.0	390.6
OUT OF MH 821	B18	OUT OF MH	387.3	390.9
	B19	0+19	387.0	390.6
	B20	0+29	387.1	390.7
	B21	0+76	387.5	391.1
MH 821/822	B22	1+09	387.7	391.3
	B23	1+19	387.8	391.4
	B24	1+50	388.0	391.6
	B25	1+60	388.1	391.7
	WYE B26	1+24	388.1	391.9
OUT OF MH 820	B27	OUT OF MH	388.6	392.2
OUT OF MH 820	B28	OUT OF MH	388.4	392.1
	B29	2+32	388.0	391.7
	B30	2+02	387.8	391.4
	B31	1+92	387.7	391.3
	B32	1+60	387.3	391.0
MH 819/820	B33	1+13	386.9	390.5
	B34	0+19	386.5	390.2
	B35	0+13	386.5	390.1
	B36	0+41	386.2	389.8
	B37	0+31	386.1	389.7
	B38	0+05	385.8	389.4
OUT OF MH 823	B39	OUT OF MH	386.0	389.5
OUT OF MH 823	B40	OUT OF MH	386.1	389.6
OUT OF MH 823	B41	OUT OF MH	386.1	3389.
OUT OF MH 819	B42	OUT OF MH	385.8	389.4
	B43	1+05	385.6	389.2
	B44	0+81	385.1	388.7
MH 818/819	B45	0+71	384.9	388.5
	B46	0+43	384.3	388.0
	B47	0+31	384.1	387.7
	B48	2+08	383.3	387.0
	B49	1+75	383.1	386.7
	B50	1+43	382.8	386.4
EX. MH 806/818	B51	1+35	382.7	386.3
	B52	1+03	382.5	386.1
	B53	0+93	382.4	386.0
	B54	0+63	382.2	385.9
	B55	0+53	382.1	385.8

4" SHC AS-BUILT

LOT #		STRUCTURE	STA.	DIST.
B1	TO	HYDRANT	0+47	= 38'
B1	TO	I-20		= 57'
B2	TO	HYDRANT	0+47	= 36.5'
B2	TO	I-20		= 62'
B3	TO	HYDRANT	0+47	= 66'
B3	TO	I-20		= 84'
B4	TO	HYDRANT	0+47	= 74'
B4	TO	I-20		= 90'
B5	TO	MH 818		= 88'
B5	TO	8" VALVE	9+43	= 93'
B6	TO	MH 818		= 78'
B6	TO	8" VALVE	9+43	= 83'
B7	TO	MH 818		= 58'
B7	TO	8" VALVE	9+43	= 54.5'
B8	TO	I-24		= 52'
B8	TO	I-15		= 103'
B9	TO	I-24		= 85'
B9	TO	I-15		= 104'
B10	TO	I-24		= 92'
B10	TO	I-15		= 106'
B11	TO	MH 821		= 100'
B11	TO	HYDRANT	6+38	= 95'
B12	TO	MH 821		= 91'
B12	TO	HYDRANT	6+38	= 90'
B13	TO	MH 821		= 60'
B13	TO	HYDRANT	6+38	= 79'
B14	TO	MH 821		= 52'
B14	TO	HYDRANT	6+38	= 78'
B15	TO	MH 821		= 26'
B15	TO	HYDRANT	6+38	= 82'
B16	TO	MH 821		= 54'
B16	TO	SHC LOT # 11		= 34'
B17	TO	MH 821		= 23'
B17	TO	HYDRANT	6+38	= 101'
B18	TO	MH 821		= 17'
B18	TO	HYDRANT	6+38	= 95'
B19	TO	MH 821		= 25'
B19	TO	HYDRANT	6+38	= 72'
B20	TO	MH 821		= 32'
B20	TO	HYDRANT	6+38	= 68'
B21	TO	MH 820		= 96'
B21	TO	HYDRANT	6+38	= 62'
B22	TO	MH 820		= 89'
B22	TO	HYDRANT	6+38	= 78'
B23	TO	MH 820		= 88'
B23	TO	HYDRANT	6+38	= 82'
B24	TO	MH 820		= 96'
B24	TO	MH 820		= 96'
B25	TO	MH 820		= 101'
B25	TO	MH 820		= 86'
B26	TO	MH 820		= 71'
B26	TO	HYDRANT	6+38	= 87'
B27	TO	MH 820		= 48'
B27	TO	HYDRANT	6+38	= 81'
B28	TO	MH 820		= 32'
B28	TO	HYDRANT	6+38	= 83'
B29	TO	MH 820		= 32'
B29	TO	HYDRANT	6+38	= 86'
B30	TO	MH 820		= 47'
B30	TO	HYDRANT	6+38	= 102'
B31	TO	MH 820		= 53'
B31	TO	I-25		= 71'
B32	TO	MH 820		= 84'
B32	TO	I-25'		= 54'
B33	TO	I-26'		= 35'
B33	TO	8" VALVE	0+04	= 43'
B34	TO	MH 819		= 88'
B34	TO	HYDRANT	2+82	= 95.5'
B35	TO	MH 819		= 78'
B35	TO	HYDRANT	2+82	= 90'
B36	TO	MH 819		= 51'
B36	TO	HYDRANT	2+82	= 79.5'
B37	TO	MH 819		= 44'
B37	TO	HYDRANT	2+82	= 79'
B38	TO	MH 819		= 29'
B38	TO	HYDRANT	2+82	= 80'
B39	TO	MH 819		= 44'
B39	TO	HYDRANT	2+82	= 96'
B40	TO	MH 819		= 62'
B40	TO	MH 823		= 32'
B41	TO	MH 819		= 67'
B41	TO	MH 823		= 39'
B42	TO	MH 819		= 32'
B42	TO	HYDRANT	2+82	= 82.5'
B43	TO	MH 819		= 43'
B43	TO	HYDRANT	2+82	= 59.5'
B44	TO	MH 819		= 49'
B44	TO	HYDRANT	2+82	= 58'
B45	TO	MH 819		= 51'
B46	TO	HYDRANT	2+82	= 64
B46	TO	MH 818		= 44'
B47	TO	MH 818		= 29'
B47	TO	HYDRANT	2+82	= 88'
B48	TO	MH 818		= 30'
B48	TO	8" VALVE	9+43	= 20'
B49	TO	MH 818		= 46'
B49	TO	8" VALVE	9+43	= 70'
B50	TO	MH 818		= 77'
B50	TO	8" VALVE	9+43	= 98.5'
B51	TO	MH 818		= 84'
B51	TO	8" VALVE	9+43	= 106'
B52	TO	HYDRANT	0+47	= 83'
B52	TO	I-20		= 68'
B53	TO	HYDRANT	0+47	= 79'
B53	TO	I-20		= 62'
B54	TO	HYDRANT	0+47	= 61'
B54	TO	I-20		= 36'
B55	TO	HYDRANT	0+47	= 58'
B55	TO	I-20		= 30'



VICINITY MAP
SCALE: 1" = 600'

TYPE OF BUILDING:	TOWNHOUSE
NO. OF LOTS / PARCELS	55
NO. OF WATER HOUSE CONNECTIONS:	55
NO. OF SEWER HOUSE CONNECTIONS:	55
DRAINAGE AREA:	DORSEY RUN
TREATMENT PLANT:	LITTLE PATUXENT WATER QUALITY MANAGEMENT CENTER, SAVAGE, HOWARD COUNTY

QUANTITIES

ITEM	QUANTITIES ESTIMATED	AS-BUILT QUANTITIES	AS-BUILT TYPE	AS-BUILT MANUFACTURER/SUPPLIER
8" W.	1088 LF	1105 LF	DIP	ATLANTIC STATES / A-1
6" W.	44 LF	44 LF	DIP	" " / "
8" S.	1112 LF	1097 LF	PVC	J.M. MANUFACTURING / A-1
4" S.	1563 LF	1606 LF	PVC	" / "
6" S.	24 LF	25 LF	PVC	" / "
1" WHC	1300 LF	718 LF	K COPPER	CAMBRIDGE LEE / A-1
2" WHC	126 LF	103 LF	K COPPER	" / "
FIRE HYDRANT	3 EA	3 EA	CAST IRON	MUELLER / A-1
4' DIA. MH	6 EA	6 EA	PRECAST	ATLANTIC CONCRETE
8" VALVE	4 EA	5 EA	CAST IRON	'MUELLER / A-1
1½" WHC		875 LF	K COPPER	CAMBRIDGE LEE / A-1

NAME OF UTILITY CONTRACTOR

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.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 37DR (1/4" REBAR)
N169881.1794, E416566.7155(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 36IA (CONCRETE MONUMENT)
N.169205.9263, E.416313.5119 (FOR HORIZONTAL CONTROL ONLY)
STATION IS LOCATED AT THE SOUTHEAST CORNER OF THE INTERSECTION OF SNOWDEN RIVER PARKWAY AND RTE. 175 3'± FROM CURB AND 5.7'± FROM GUARDRAIL END

GENERAL NOTES

PART I

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 TO THE SATISFACTION OF THE ENGINEER 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. DATA.
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. 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 OR DAMAGES SHALL BE DEDUCTED FROM MONEY OWED THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANIES TO SCHEDULE THE BRACING OF THE POLES.
6. 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.
7. 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.
8. 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
MISS UTILITY 1-800-257-7777	1-800-257-7777
COLONIAL PIPELINE CO. 795-1390	795-1390
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS BUREAU OF UTILITIES	313-4900

9. 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.
10. 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.
11. 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 II - WATER

1. ALL WATER MAINS TO BE D.I.P. CLASS 52 UNLESS OTHERWISE NOTED.
2. TOPS OF ALL WATER MAINS TO HAVE A MINIMUM OF 3-1/2' COVER UNLESS OTHERWISE NOTED.
3. VALVES ADJACENT TO TEES SHALL BE STRAPPED TO TEES.
4. ALL FITTINGS SHALL BE BUTTRESSED OR ANCHORED WITH CONCRETE IN ACCORDANCE WITH THE STANDARD DETAILS UNLESS OTHERWISE PROVIDED FOR ON THE DRAWINGS.
5. FIRE HYDRANTS SHALL BE SET TO THE BURY LINE 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 SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 1000 AND 1005 OF THE STANDARD SPECIFICATIONS.
6. THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING WATER SYSTEM.
7. ALL WATER HOUSE CONNECTIONS SHALL BE FOR INSIDE METER SETTING UNLESS OTHERWISE NOTED ON PLANS OR IN SPECIFICATIONS.

PART III - SEWER

1. ALL SEWER MAINS SHALL BE DIP, RCP, VCPX, CSPX, RCCP, AND P.V.C. UNLESS OTHERWISE NOTED.
2. THE CONTRACTOR SHALL PROVIDE A JOINT IN ALL SEWER MAINS WITHIN 2' - 0" OF EXTERIOR MANHOLE WALL.
3. ALL MANHOLES SHALL BE 4' - 0" INSIDE DIAMETER UNLESS OTHERWISE NOTED.
4. FORCE MAINS SHALL BE D.I.P. ONLY.
5. MANHOLES SHOWN WITH 12" AND 16" WALLS ARE FOR BRICK MANHOLES ONLY.
6. MANHOLES DESIGNATED W.T. IN PLAN AND PROFILE SHALL HAVE WATERTIGHT FRAME AND COVERS, STANDARD DETAIL G5.52. WHERE WATERTIGHT MANHOLE FRAME AND COVER IS USED, SET TOP OF FRAME 1" - 6" ABOVE FINISHED GRADE UNLESS OTHERWISE NOTED ON THE DRAWINGS.
7. 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] SIGNATURE — 9/22/93 DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY CONSERVATION DISTRICT.
APPROVED [signature] 9/22/93
HOWARD S.C.D — DATE

SEDIMENT CONTROL MEASURES WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE SPECIFICATIONS AND WITH ROAD CONSTRUCTION PLANS F-93-132

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

[signature] 9/23/93 DIRECTOR OF PUBLIC WORKS - DATE Acting
[signature] 9/23/93 CHIEF - BUREAU OF ENGINEERING - DATE
[signature] 9-17-93 CHIEF - BUREAU OF UTILITIES - DATE
[signature] 9/22/93 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
Fax 296 4705

STATE OF MARYLAND — JOHN W. RANOCCHIA, SR. — No. 10651 — PROFESSIONAL ENGINEER

DESIGN BY: JCS				
DRAWN BY: JMJ				
CHECKED BY: JWR				
DATE: 7/22/93	DMW	1	REVISED QUANTITIES	12-3-93
	BY	NO.	REVISION	DATE

TITLE SHEET

600 SCALE MAP NO. 37 BLOCK NO. 7

COLUMBIA
VILLAGE OF LONGREACH
SECTION 4 AREA 3
LOTS B1 THRU B57
6TH ELECTION DISTRICT

CONTRACT NO. 24-3277-D

SCALE AS SHOWN

SHEET 1 OF 2

AS-BUILT 1/27/95

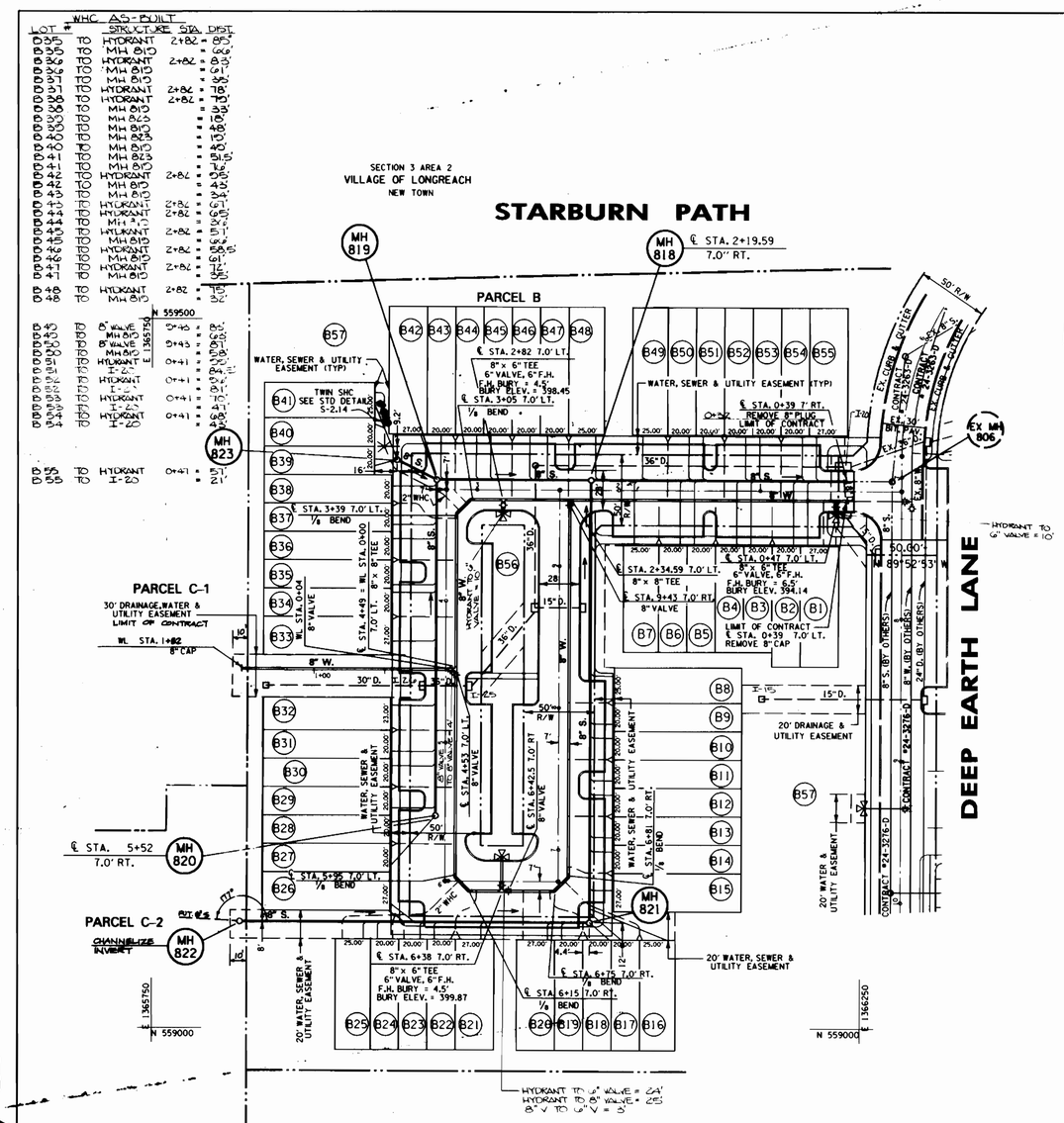
TBS

W/S 3277 / 1

AS-BUILT 1/27/95

WHC AS-BUILT			
LOT #		STRUCTURE	STA. DIST.
B35	TO	HYDRANT	2+82 = 85'
B35	TO	MH 819	= 66'
B36	TO	HYDRANT	2+82 = 83'
B36	TO	MH 819	= 69'
B37	TO	MH 819	= 38'
B37	TO	HYDRANT	2+82 = 78'
B38	TO	HYDRANT	2+82 = 70'
B38	TO	MH 819	= 34'
B39	TO	MH 823	= 18'
B39	TO	MH 819	= 48'
B40	TO	MH 823	= 15'
B40	TO	MH 819	= 40'
B41	TO	MH 823	= 51.5'
B41	TO	MH 819	= 18'
B42	TO	HYDRANT	2+82 = 95'
B42	TO	MH 819	= 43'
B43	TO	MH 819	= 34'
B43	TO	HYDRANT	2+82 = 67'
B44	TO	HYDRANT	2+82 = 65'
B44	TO	MH 819	= 34'
B45	TO	HYDRANT	2+82 = 51'
B45	TO	MH 819	= 66'
B46	TO	HYDRANT	2+82 = 68.5'
B46	TO	MH 819	= 61'
B47	TO	HYDRANT	2+82 = 72'
B47	TO	MH 819	= 35'
B48	TO	HYDRANT	2+82 = 79'
B48	TO	MH 819	= 32'
			N 559500
B50	TO	8" VALVE	0+43 = 8'
B50	TO	MH 819	= 106.5'
B50	TO	8" VALVE	0+43 = 8'
B50	TO	MH 819	= 108'
B51	TO	HYDRANT	0+41 = 108.5'
B51	TO	I-20	= 84.5'
B52	TO	HYDRANT	0+41 = 84'
B52	TO	I-20	= 81'
B53	TO	HYDRANT	0+41 = 71'
B53	TO	I-20	= 41'
B54	TO	HYDRANT	0+41 = 68'
B54	TO	I-20	= 43'
B55	TO	HYDRANT	0+41 = 57'
B55	TO	I-20	= 21'

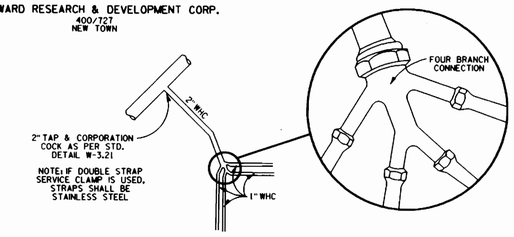
WHC AS-BUILT			
LOT #		STRUCTURE	STA. DIST.
B1	TO	HYDRANT	0+30 = 23.5'
B1	TO	I-20	= 20'
B2	TO	HYDRANT	0+30 = 41.5'
B2	TO	I-20	= 13'
B3	TO	HYDRANT	0+30 = 81'
B3	TO	I-20	= 75.5'
B4	TO	HYDRANT	0+30 = 85'
B4	TO	MH 818	= 102'
B5	TO	HYDRANT	0+30 = 80'
B5	TO	MH 818	= 28.5'
B6	TO	MH 818	= 110'
B6	TO	8" VALVE	0+43 = 72'
B7	TO	MH 818	= 146.5'
B7	TO	8" VALVE	0+43 = 60'
B8	TO	I-25	= 100'
B8	TO	I-15	= 100.5'
B9	TO	I-25	= 103.5'
B9	TO	I-15	= 101'
B10	TO	I-25	= 110'
B10	TO	I-15	= 110.5'
B11	TO	I-25	= 112'
B11	TO	I-15	= 112'
B12	TO	HYDRANT	0+38 = 82'
B12	TO	MH 821	= 110'
B13	TO	HYDRANT	0+38 = 83'
B13	TO	MH 821	= 114'
B14	TO	HYDRANT	0+38 = 100'
B14	TO	MH 821	= 100'
B15	TO	HYDRANT	0+38 = 103'
B15	TO	MH 821	= 36'
B16	TO	MH 821	= 51'
B16	TO	WHC LOT # 15	= 50'
B17	TO	MH 821	= 35'
B17	TO	WHC LOT # 15	= 41'
B18	TO	MH 821	= 13'
B18	TO	HYDRANT	0+38 = 85'
B19	TO	MH 821	= 15'
B19	TO	HYDRANT	0+38 = 80'
B20	TO	MH 821	= 81'
B20	TO	HYDRANT	0+38 = 61'
B21	TO	MH 820	= 88'
B21	TO	HYDRANT	0+38 = 67.5'
B22	TO	MH 820	= 81'
B22	TO	HYDRANT	0+38 = 60'
B23	TO	MH 820	= 50'
B23	TO	HYDRANT	0+38 = 51.5'
B24	TO	MH 820	= 51'
B24	TO	HYDRANT	0+38 = 55'
B25	TO	MH 820	= 108'
B25	TO	MH 822	= 12'
B26	TO	MH 820	= 111'
B26	TO	HYDRANT	0+38 = 91'
B27	TO	MH 820	= 90'
B27	TO	HYDRANT	0+38 = 81'
B28	TO	MH 820	= 86.5'
B28	TO	HYDRANT	0+38 = 80.5'
B29	TO	MH 820	= 86'
B29	TO	HYDRANT	0+38 = 82'
B30	TO	MH 820	= 38.5'
B30	TO	HYDRANT	0+38 = 24'
B31	TO	MH 820	= 60'
B31	TO	8" VALVE	0+04 = 65'
PARCEL A			
B32	TO	MH 820	= 60.5'
B32	TO	8" VALVE	0+04 = 62'
B33	TO	I-20	= 40'
B33	TO	8" VALVE	0+04 = 42'
B34	TO	I-20	= 54'
B34	TO	8" VALVE	0+04 = 55'



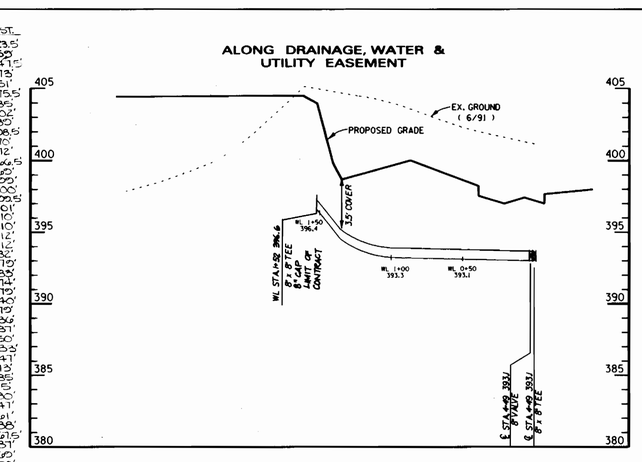
PLAN
SCALE: 1" = 50'

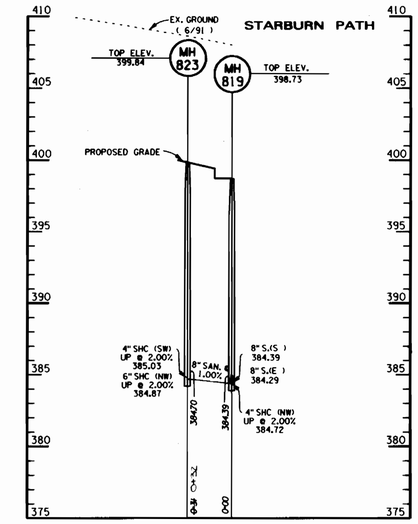
NOTE: ALL SINGLE WATER HOUSE CONNECTIONS ARE TO BE A MINIMUM OF 1" WITH ¾" METER. TWIN WATER HOUSE CONNECTIONS TO BE 1½" FROM THE MAIN TO THE TWIN CONNECTION.

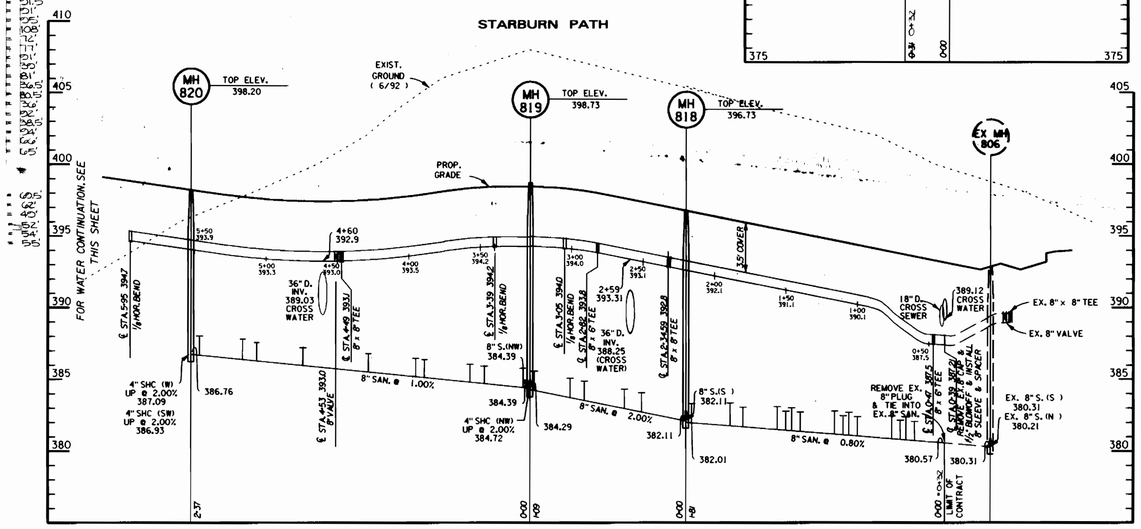
HOWARD RESEARCH & DEVELOPMENT CORP.
400/727
NEW TOWN

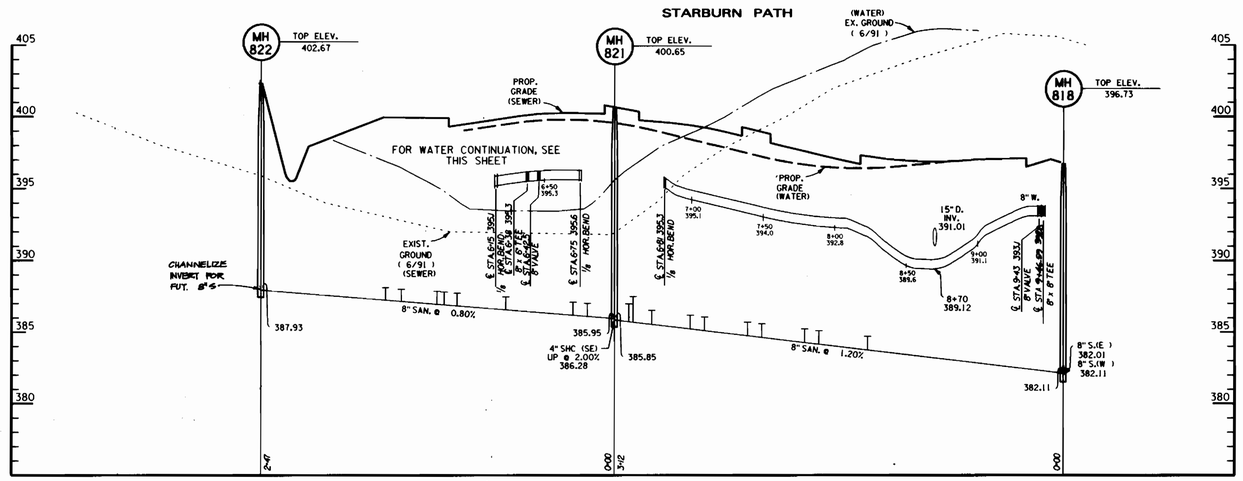


4 - WAY WHC DETAIL
NO SCALE
LOTS B23 THRU B26 & B39 THRU B42









DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND	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 Fax 296 4705	DESIGN BY: JCS DRAWN BY: JMJ CHECKED BY: JWR DATE: 7/22/93	BY	NO.	REVISION	DATE	WATER & SEWER PLAN & PROFILES	COLUMBIA VILLAGE OF LONGREACH SECTION 4 AREA 3 LOTS B1 THRU B57 6TH ELECTION DISTRICT CONTRACT NO. 24-3277-D	SCALE HOR: 1" = 50' VERT: 1" = 5' SHEET 2 OF 2
DIRECTOR OF PUBLIC WORKS - DATE 0/23/93 CHIEF - BUREAU OF ENGINEERING - DATE 0/23/93 CHIEF - BUREAU OF UTILITIES - DATE 9-17-93 CHIEF - LAND DEVELOPMENT DIVISION - DATE 9/16/93			PMW	1	REMOVED WATER & SEWER EXTENSIONS TO PARCELS C1 & C2	12-3-93	600 SCALE MAP NO. 37 BLOCK NO. 7		

AS-BUILT 1/27/95

TBS