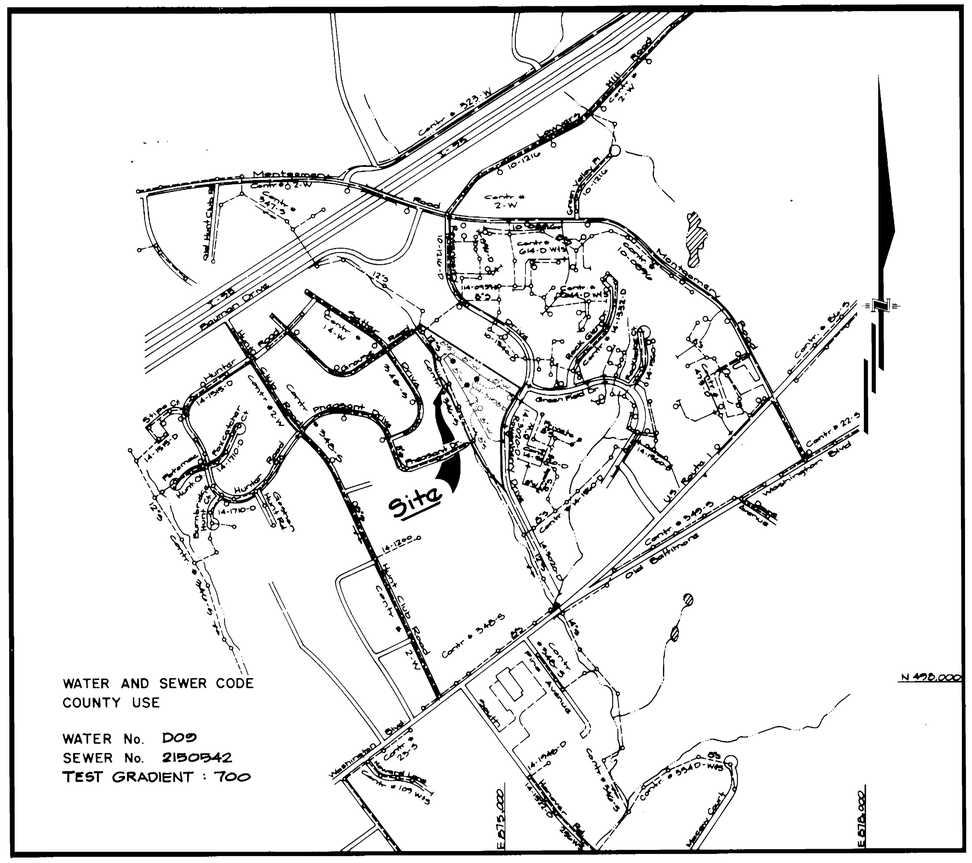
TYPE OF BUILDING	Townhouse
NUMBER OF UNITS	74
NUMBER OF SHC's	0
NUMBER OF WHC's	3
DRAINAGE AREA	Patapsco

Note These water & sewer plans (sht 1 & 2) of Elkridge Town Center Section 2 Parcel C2 Phase II contr #14-3199 D will supercede the water & sewer construction plans approved & signed by the Director of Public Works on May 21, 1992.



WATER AND SEWER CODE
COUNTY USE

WATER No. D09
SEWER No. 2150542
TEST GRADIENT : 700

VICINITY MAP
SCALE : 1" = 600'

CONTRACT NO. 14-3199 D
ELKRIDGE TOWN CENTER
SECTION 2-PARCELS C·2
PHASE II
HOWARD COUNTY, MARYLAND
DEPARTMENT OF PUBLIC WORKS

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 a 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 the 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
Colonial Pipeline Co.	795–1390
Howard County Dept. of Public Works, Bur. 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.

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 strapped and butressed 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. All manholes shall be 4'–0" inside diameter unless otherwise noted.
3. Force mains shall be D.I.P. only.
4. Manholes shown with 12" and 16" walls are for brick manholes only.
5. 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.
6. House(s) with the symbol "C.N.S." indicates that the cellar cannot be served.

Sediment Control Measures will be implemented in accordance with Section 219 of the Specifications & with Site Development Plan 92-22; Drawings for Sediment & Erosion Control, sheets 3 & 4 of 11

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENT

SIGNATURE 1/22/94 DATE

U.S. SOIL CONSERVATION SERVICE

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

APPROVED:

HOWARD S.C.D. 2/22/94 DATE

QUANTITIES

ITEMS	QUANTITIES ESTIMATED	AS–BUILT QUANTITIES	AS–BUILT TYPE	AS–BUILT MANUFACTURER/ SUPPLIER
8" Water	855 l.f.			
6" Water	351 l.f.			
Fire Hydrant	3 ea.			
1/8 H.B.	3 ea.			
1/10 H.B.	2 ea.			
8" Valve	1 ea.			
8" Sewer	10 l.f.			
2" W H.C.	94 l.f.			

NAME OF UTILITY CONTRACTOR:

SURVEY AND DRAFTING DIV. CHECKBOX: AS–BUILT DATE:

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

DIRECTOR OF PUBLIC WORKS 3-25-94 DATE
CHIEF, BUREAU OF ENGINEERING 3/25/94 DATE
CHIEF, BUREAU OF UTILITIES 3-16-94 DATE
CHIEF, LAND DEVELOPMENT DIV. 3/25/94 DATE

GW GUTSCHICK LITTLE & WEBER, P.A.
ENGINEERS, PLANNERS, SURVEYORS
3909 NATIONAL DRIVE SUITE 250 BURTONSVILLE OFFICE PARK
BURTONSVILLE, MD 20866
(301) 421-4024

DES: d.e.v.
DRN: d.e.v.
CHK: c.k.g.
DATE: 3/94

BY	NO.	REVISION	DATE
G.W.	1	Revise drawings for townhouse use	3/94
	2	rev quantities	9/94

Public Water and Sewer Construction Plans
Title Sheet

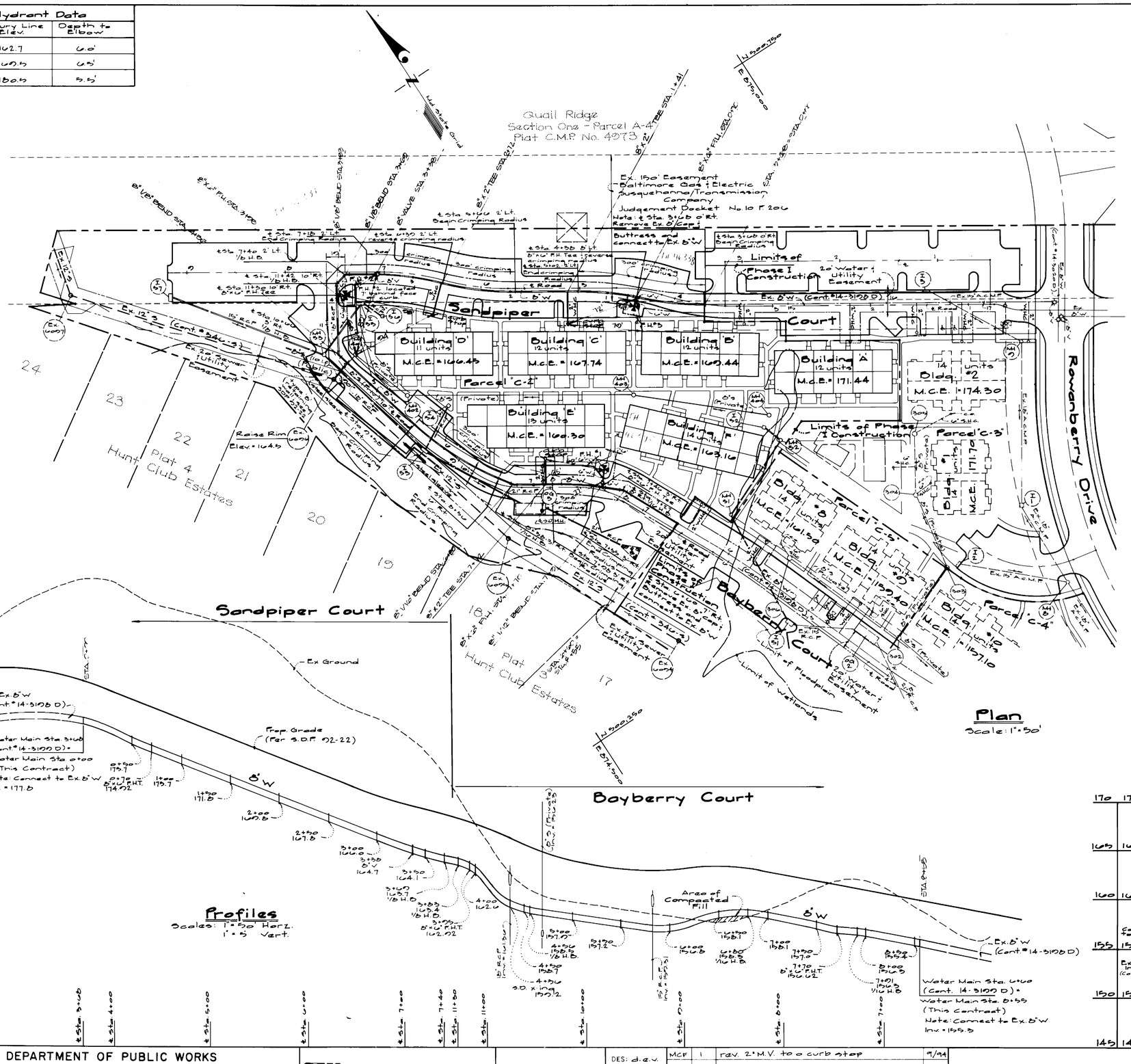
600' SCALE MAP NO. 38 BLOCK NO. 7

Elkridge Town Center
Section 2, Parcel C·2
Phase II
Cont. #14-3199 D
First Election District Howard County, Md.

SCALE AS SHOWN

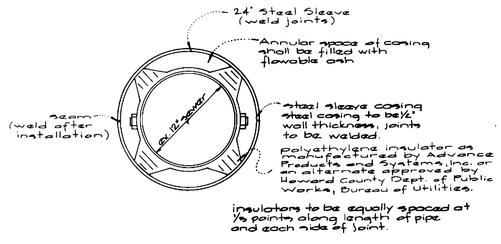
SHEET 1 OF 2

Fire Hydrant Data		
Fire Hydrant #	Bury Line Elev.	Depth to Elbow
1	162.7	6.0'
2	160.5	6.5'
3	180.5	5.5'



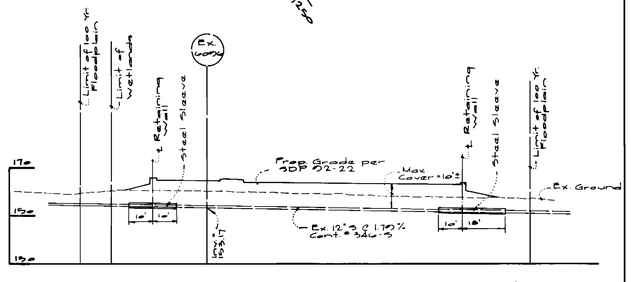
Plan
Scale: 1"=50'

Profiles
Scales: 1"=50' Horz. 1"=5' Vert.



casing pipe detail
under retaining wall
no scale

Note: Split the casing pipe to install, then continuously weld the pipe together. Casing pipe ends to be bricked. Steel sleeve shall be installed prior to work on the retaining wall, leave top of sleeve exposed during H Beam installation to avoid damage to ex. sewer.



Profile on Natural Scale
Horz. & Vert.: 1"=30'

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

DIRECTOR OF PUBLIC WORKS — DATE 3/25/94
CHIEF, BUREAU OF ENGINEERING — DATE 3/25/94
CHIEF, BUREAU OF UTILITIES — DATE 3-16-94
CHIEF, LAND DEVELOPMENT DIV. — DATE 3/25/94

GLW GUTSCHICK LITTLE & WEBER, P.A.
ENGINEERS, PLANNERS, SURVEYORS
3909 NATIONAL DRIVE SUITE 250 BURTONSVILLE OFFICE PARK
BURTONSVILLE, MD 20866
(301) 421-4024

DES: d.e.v.
DRN: c.a.d.: d.e.v.
CHK: e.k.g.
DATE: 3/94

BY	NO.	REVISION	DATE
MCF	1	rev. 2" M.V. to a curb stop	9/94

Public Water and Sewer Construction Plans
Plan and Profile Sheet

600' SCALE MAP NO. 38 BLOCK NO. 7

Elkridge Town Center
Section 2, Parcel C-2
Phase II
Cont. #14-3199 D
First Election District Howard County, Md.

SCALE AS SHOWN

SHEET 2 OF 2