

TYPE OF BUILDING	single Family Detached
NUMBER OF UNITS	5 (allocated)
NUMBER OF SHC's	10
NUMBER OF WHC's	10
DRAINAGE AREA	Little Patuxent

GENERAL NOTES

PART I -

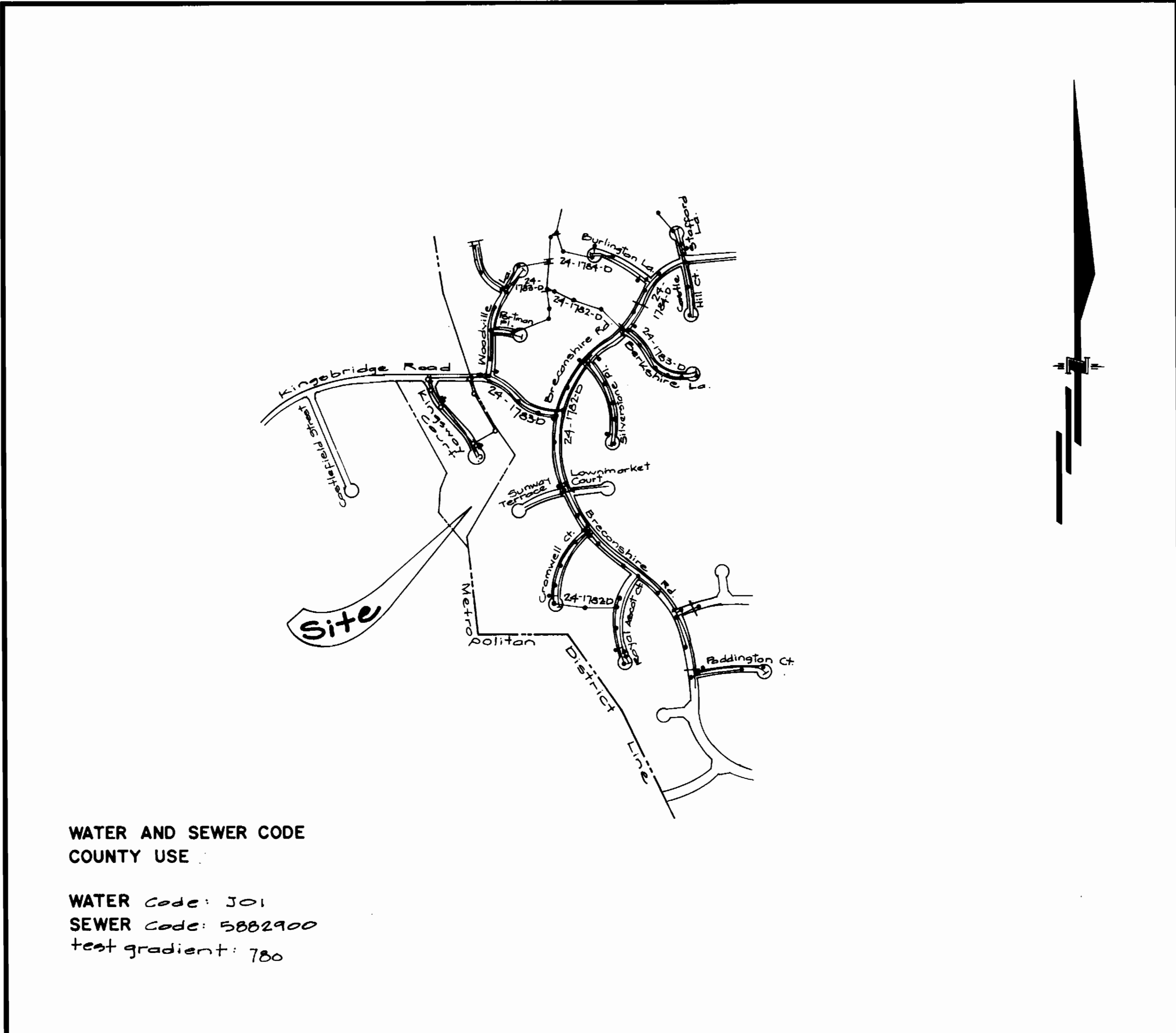
1. Approximate location of existing mains are shown. The contractor shall take all necessary precautions to protect existing mains and services and maintain uninterrupted supply. Any damage incurred shall be repaired immediately to the satisfaction of the Engineer at the Contractor's expense.
2. All 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
 - BGM Co. Contractor Services 850-4620
 - BGM 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 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 or PVC 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 18" walls are for brick manholes only, contractor may use precast manhole, recast or other approved manhole.
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 the cellar cannot be served.



WATER AND SEWER CODE
COUNTY USE

WATER Code: 301
SEWER Code: 5882900
test gradient: 780

VICINITY MAP
SCALE: 1" = 600'

CONTRACT NO. 24-3450-D

Kingsbridge @ Burleigh Manor

Lots 779-784, Parcel A & Parcel B

2nd. Election District Howard County, Maryland

HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS

ITEMS	QUANTITIES ESTIMATED	AS-BUILT	
		QUANTITIES	MANUFACTURER/SUPPLIER
8" Sewer	1,385 l.f.	1,622	ORB 35 BENTON ROAD SUPPLY CO.
8" Water (D.I.P.)	240 l.f.	240	CL. 52 BENTON ROAD SUPPLY CO.
4" WHC	207 l.f.	350	50R. 99 J. H. HANCOCK CO.
4" Manholes	7 ea.	9	ATLANTIC PRECAST
8" Water	1,055 l.f.	905	FL 52 D.I.P. GRIPPIN CO. #
6" Water	143 l.f.	130	" " " " " "
3/4" WHC	104 l.f.	210	TYPE "K" SOFT HOWELL MFG. CO.
1" WHC	109 l.f.	"	" " " " " "
Fire Hydrant & Valve	2 ea.	2	MUELLER CO. #
8" Valve	2 ea.	3	U.S. PIPE & FOUNDRY
8" x 8" Cross	1 ea.	1	GRIPPIN CO. #
CONCRETE PIPE		570	ATLANTA CONC. PRODUCTS

NAME OF UTILITY CONTRACTOR: CHESAPEAKE SIDE CONTRACTORS

Sediment Control Measures will be implemented in accordance with Section 219 of the Specifications & with Road Construction Plan F 95-117; Drawings 3 of 4 Sediment & Erosion Control.

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENT

Patricia English 9/4/95
SIGNATURE DATE

U.S. SOIL CONSERVATION SERVICE

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

APPROVED:

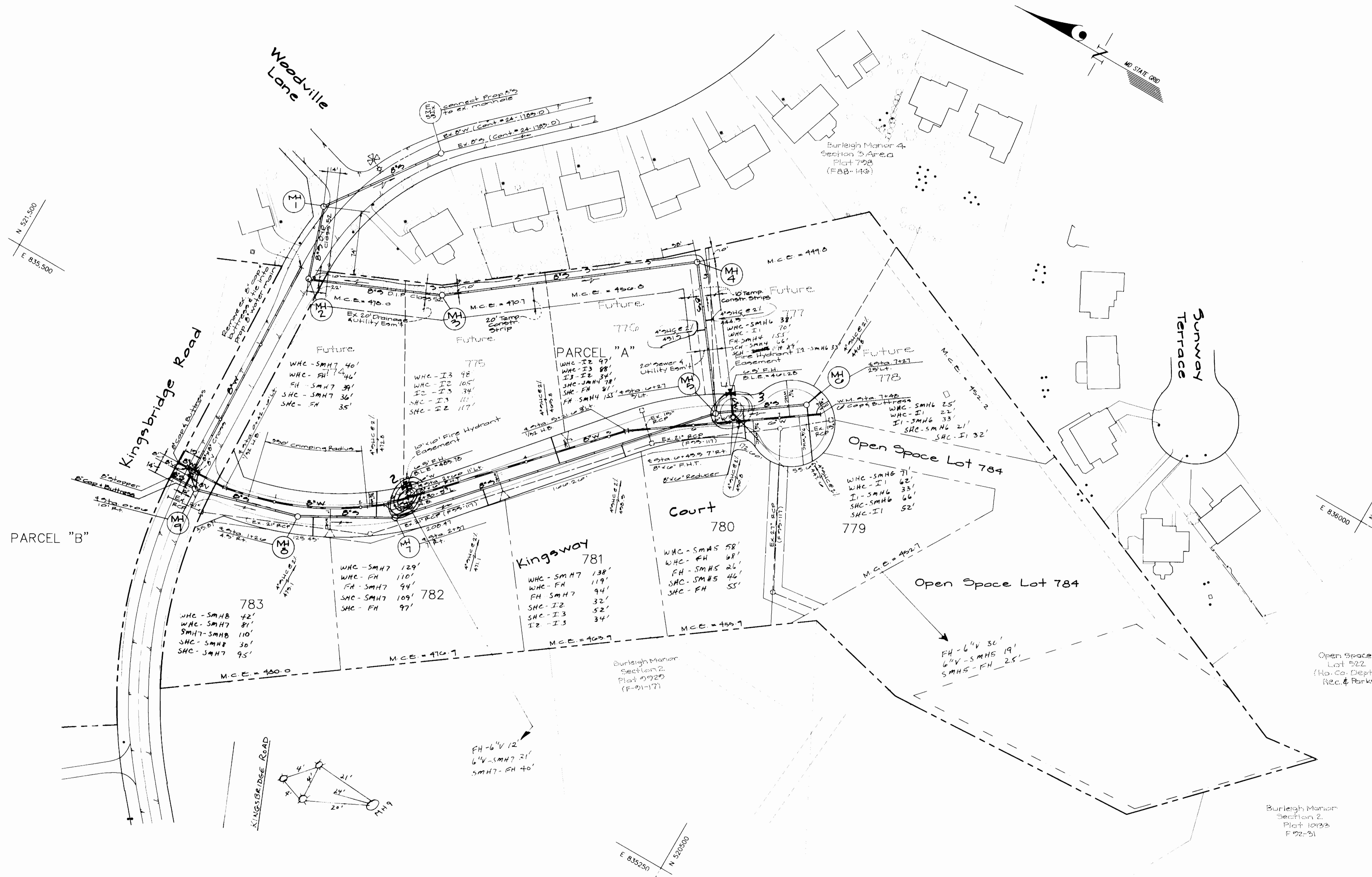
John K. Robertson 9/4/95
HOWARD S.C.D. DATE

Department of Public Works Howard County, Maryland Michael A. Hovine, P.E. 8-3145 Chief, Bureau of Utilities Date	Department of Planning and Zoning Howard County, Maryland Chief, Development Engineering Div. Date	GUTSCHICK LITTLE & WEBER, P.A. ENGINEERS, PLANNERS, SURVEYORS 3809 NATIONAL DRIVE SUITE 250 BURTCHVILLE OFFICE PARK BURTCHVILLE, MD 20898 (301) 421-4024	DES: _____ DRN: _____ CHK: _____ DATE: _____	BY NO. _____ REVISION _____ DATE _____	Title Sheet 600' SCALE MAP NO. 28 BLOCK NO. 1B	Kingsbridge @ Burleigh Manor Lots 779-784, Parcel A & Parcel B 2nd. Election District Howard County, Maryland Contract No.: 24-3450-D	SCALE AS SHOWN SHEET 1 OF 2
--	--	---	---	--	--	---	---------------------------------------

3450 WS/1 Kingsbridge @ Burleigh Manor

AS-BUILT 9-3-97

3450 ws/2 Kingsbridge @ Burleigh Manor



Department of Public Works
Howard County, Maryland
Richard R. ...
Chief, Bureau of Utilities

Department of Planning and Zoning
Howard County, Maryland
...
Chief, Development Engineering Div.

GLW GUTSCHICK LITTLE & WEBER, P.A.
CIVIL ENGINEERS, SURVEYORS, PLANNERS, LANDSCAPE ARCHITECTS
3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK - BURTONSVILLE, MARYLAND 20866
TEL: (410) 880-1820 ~ FAX: (301) 421-4186

DES:					
DRN:					
CHK:					
DATE:	BY	NO	REVISION	DATE	

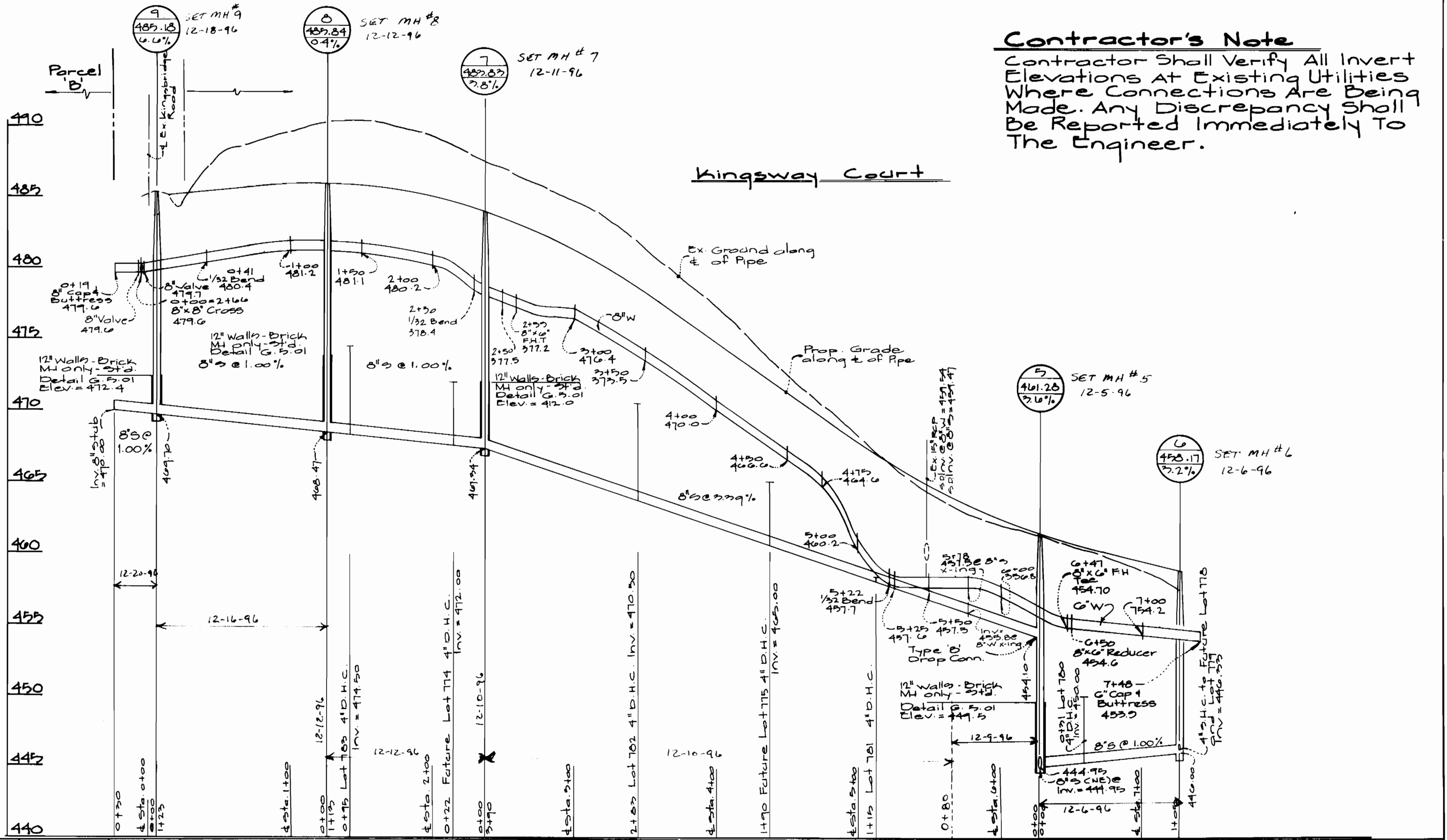
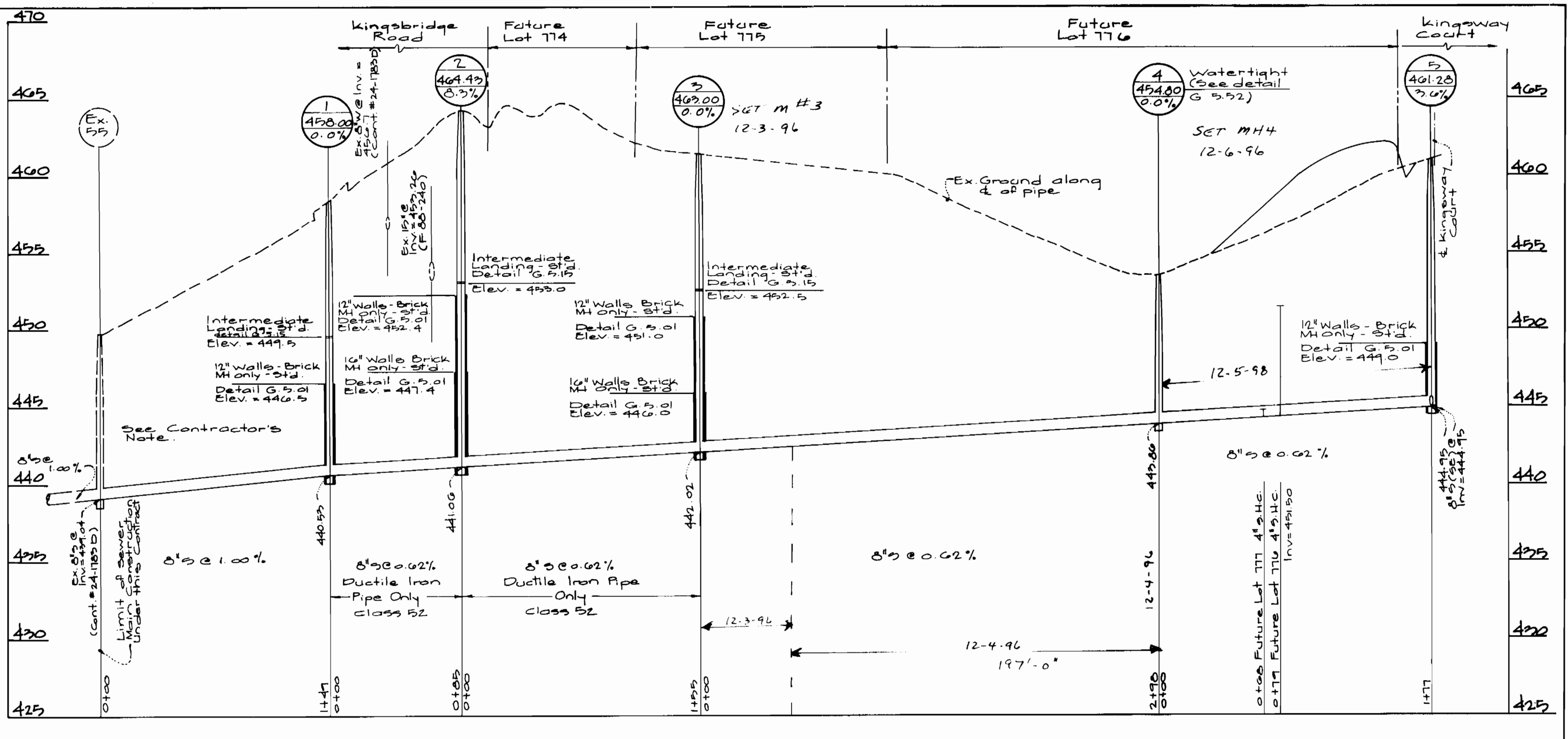
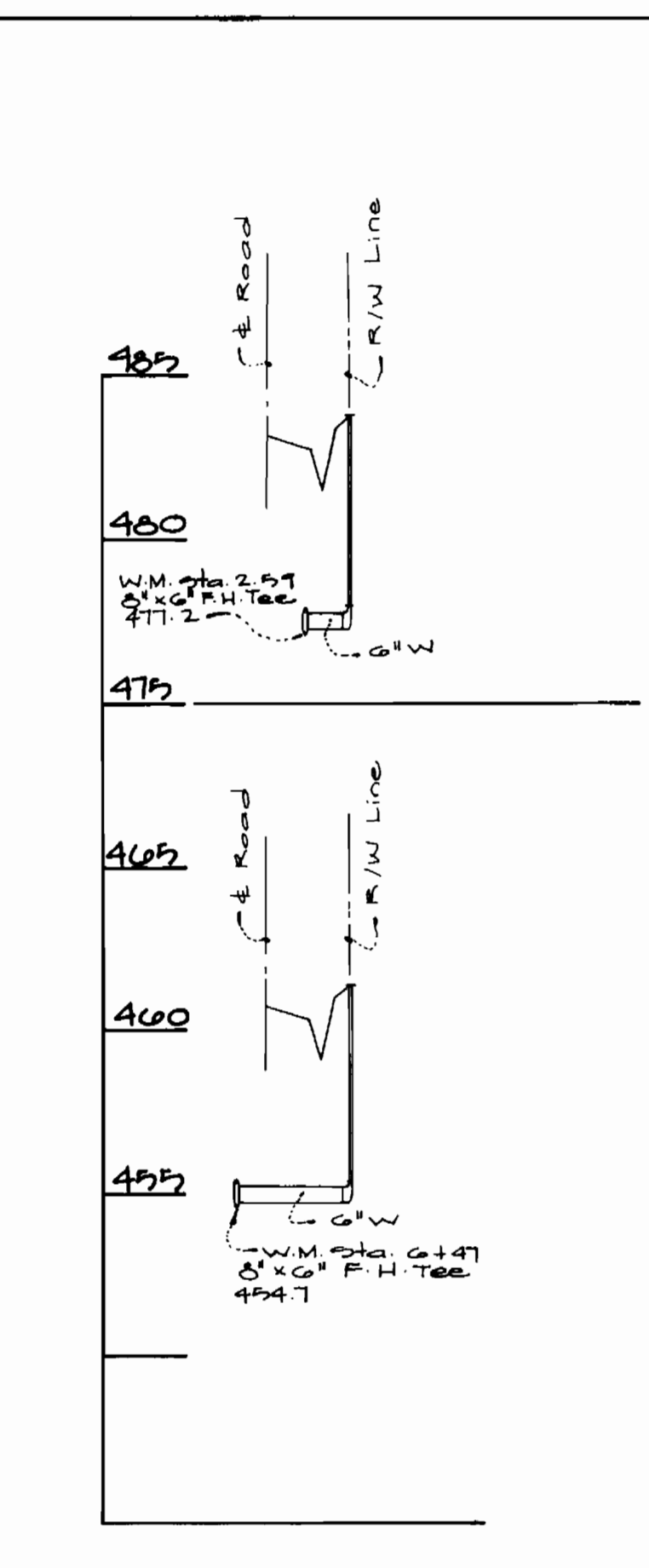
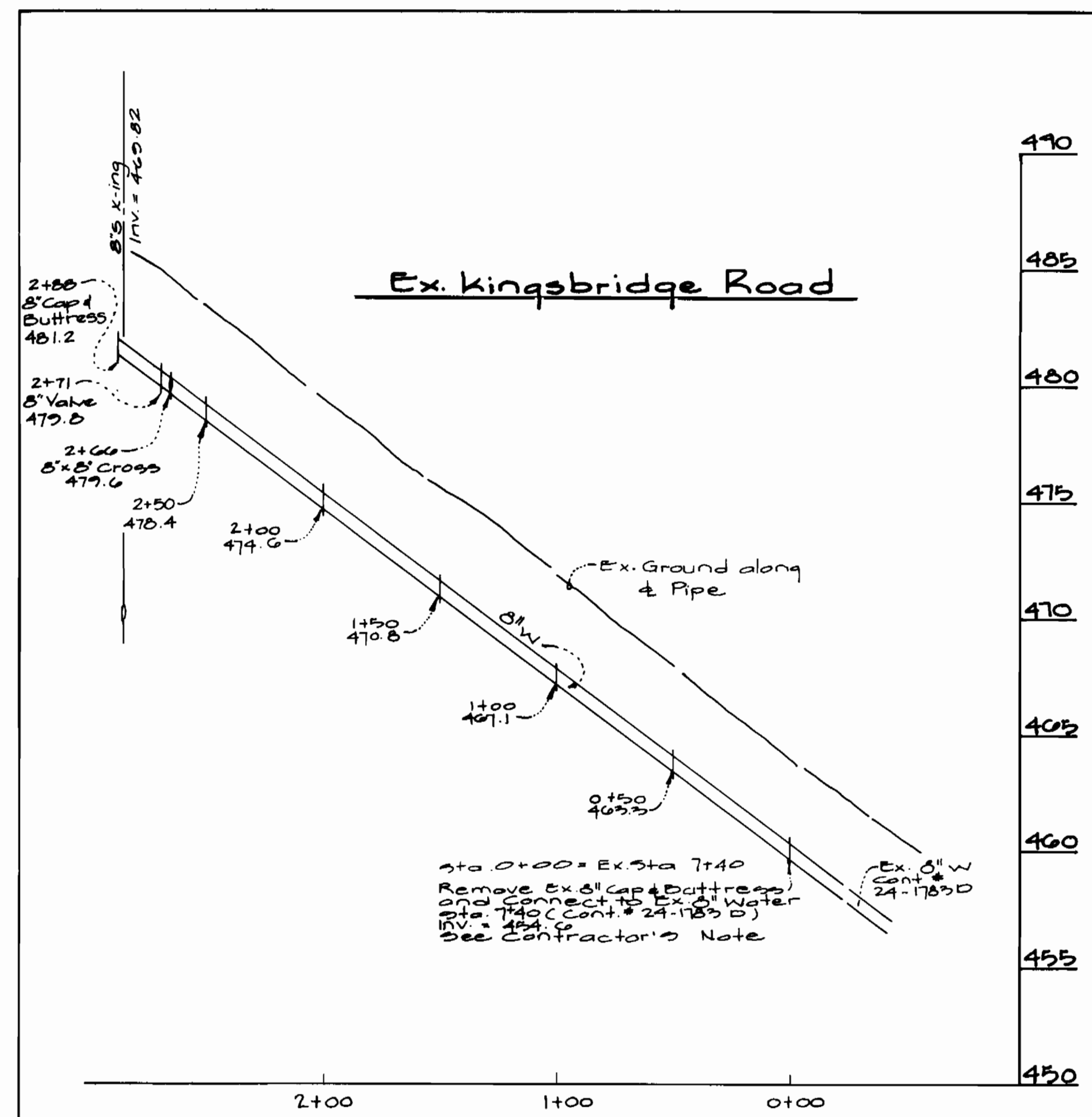
Water & Sewer Plan
Scale: 1"=50'
600' SCALE MAP NO. 23 BLOCK NO. 18

Kingsbridge @ Burleigh Manor
Lots 779-784, Parcel A & Parcel B
Ellicott City Election District No. 2
Howard County, Maryland
Contract No. 24-3450-D

SCALE AS SHOWN
SHEET 2 OF 3

AS-BUILT 4-3-97

3450 w/3 Kingsbridge @ Burleigh Manor



Contractor's Note
 Contractor Shall Verify All Invert Elevations At Existing Utilities Where Connections Are Being Made. Any Discrepancy Shall Be Reported Immediately To The Engineer.

Department of Public Works
 Howard County, Maryland

Department of Planning and Zoning
 Howard County, Maryland

GW GUTSCHICK LITTLE & WEBER, P.A.
 ENGINEERS, PLANNERS, SURVEYORS
 3909 NATIONAL DRIVE SUITE 250 BURTONSVILLE OFFICE PARK
 BURTONSVILLE, MD 20886
 (301) 421-4024

DES:	
DRN:	
CHK:	
DATE:	
BY:	NO.
REVISION:	

Water & Sewer Profiles
 Scale: 1"=5' Vert.
 1"=50' Horiz.

Kingsbridge @ Burleigh Manor
 Lots 774-784, Parcel "A" & Parcel "B"
 Ellicott City Election District No. 2
 Howard County, Maryland
 Contract No. 24-5450-0

SCALE AS SHOWN
 SHEET 3 OF 3

AS-BUILT 4-3-97