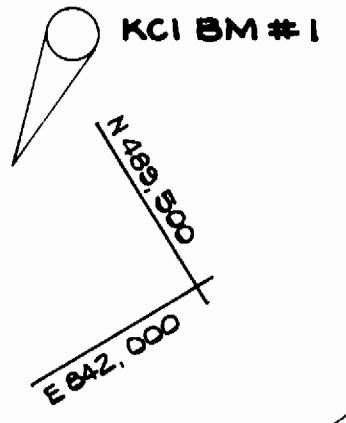
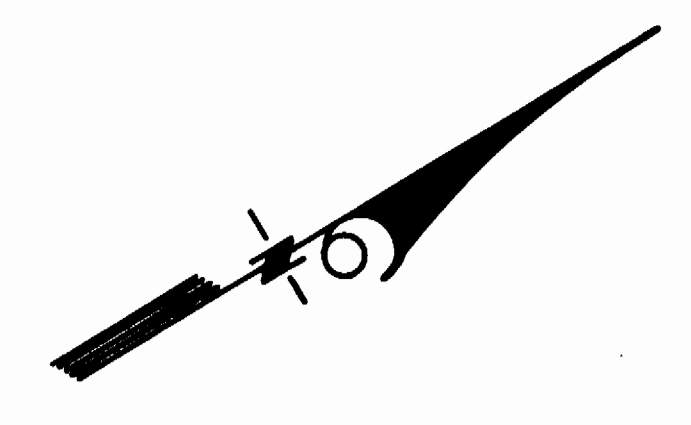
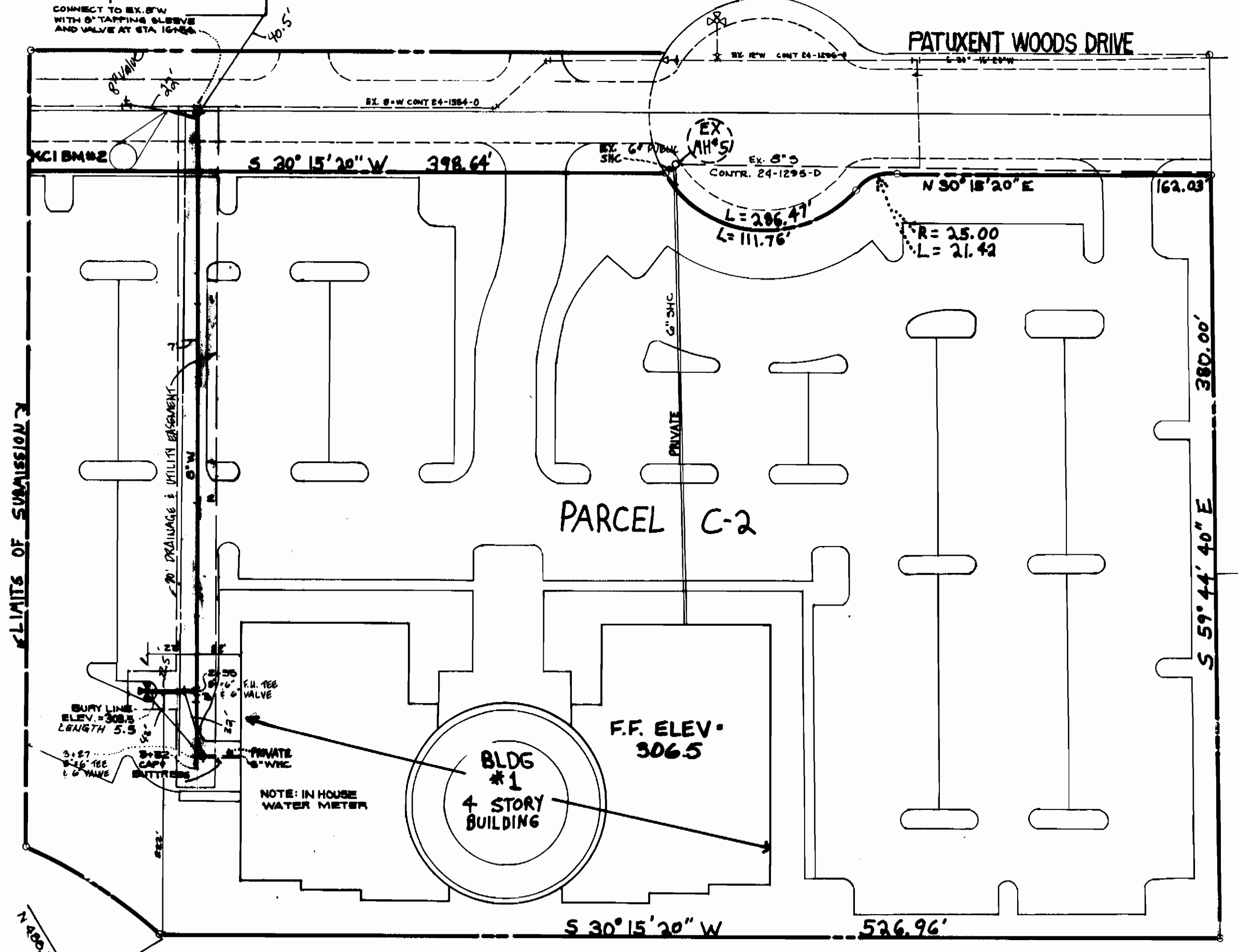


SECT #2

PARCEL A-1

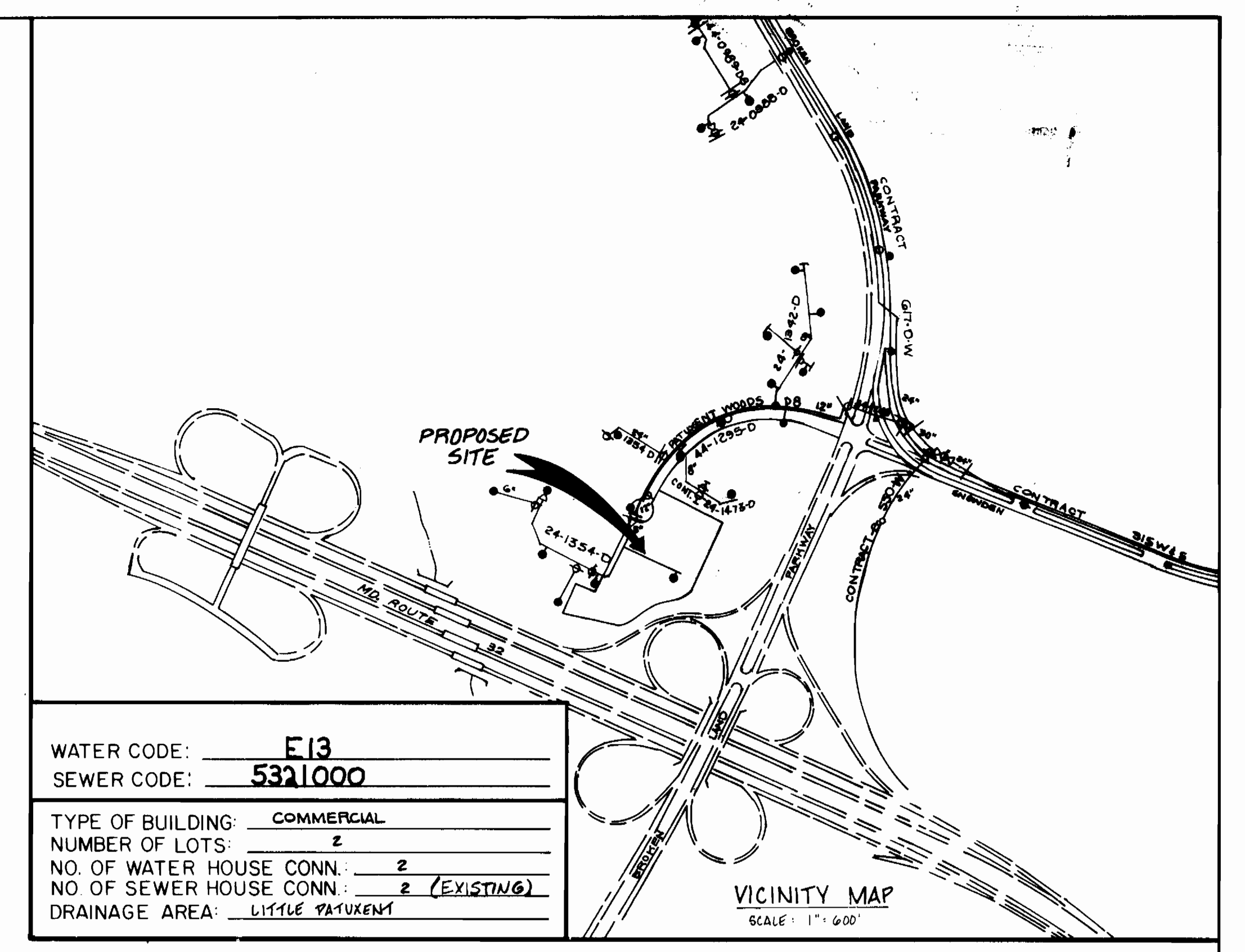
BLDG. #5
9770 PATUXENT WOODS DRIVE

BLDG. #4
8810 PATUXENT WOODS DRIVE



BENCHMARKS
KIDDE BM #1 ELEV. 235.04
RAIL ROAD SPIKE AT LEFT CURB STATION 36+33
KIDDE BM #2 ELEV. 301.24
PK SET AT CENTERLINE OF ROAD STATION 41+83

QUANTITIES			
ITEM	DESIGN	AS-BUILT	MAT'L/SUPPLIER
8" WATER	1,078 LF.	1,068 LF.	ATLANTIC STATES
FIRE HYDRANTS	2	2	MUELLER
6" W	48 LF.	51 LF.	ATLANTIC STATES
8" TAPPING SLEEVE AND VALVE	1	1	MUELLER
6" F.H. VALVE	2	2	MUELLER
6" x 6" REDUCER	2	2	TYLER PIPE
6" x 6" TEE	3	3	TYLER PIPE
1/8 HOZ. BEND	6	6	TYLER PIPE
1/8 VERT BEND	2	1	TYLER PIPE



WATER CODE: E13
SEWER CODE: 5321000
TYPE OF BUILDING: COMMERCIAL
NUMBER OF LOTS: 2
NO. OF WATER HOUSE CONN.: 2
NO. OF SEWER HOUSE CONN.: 2 (EXISTING)
DRAINAGE AREA: LITTLE PATUXENT

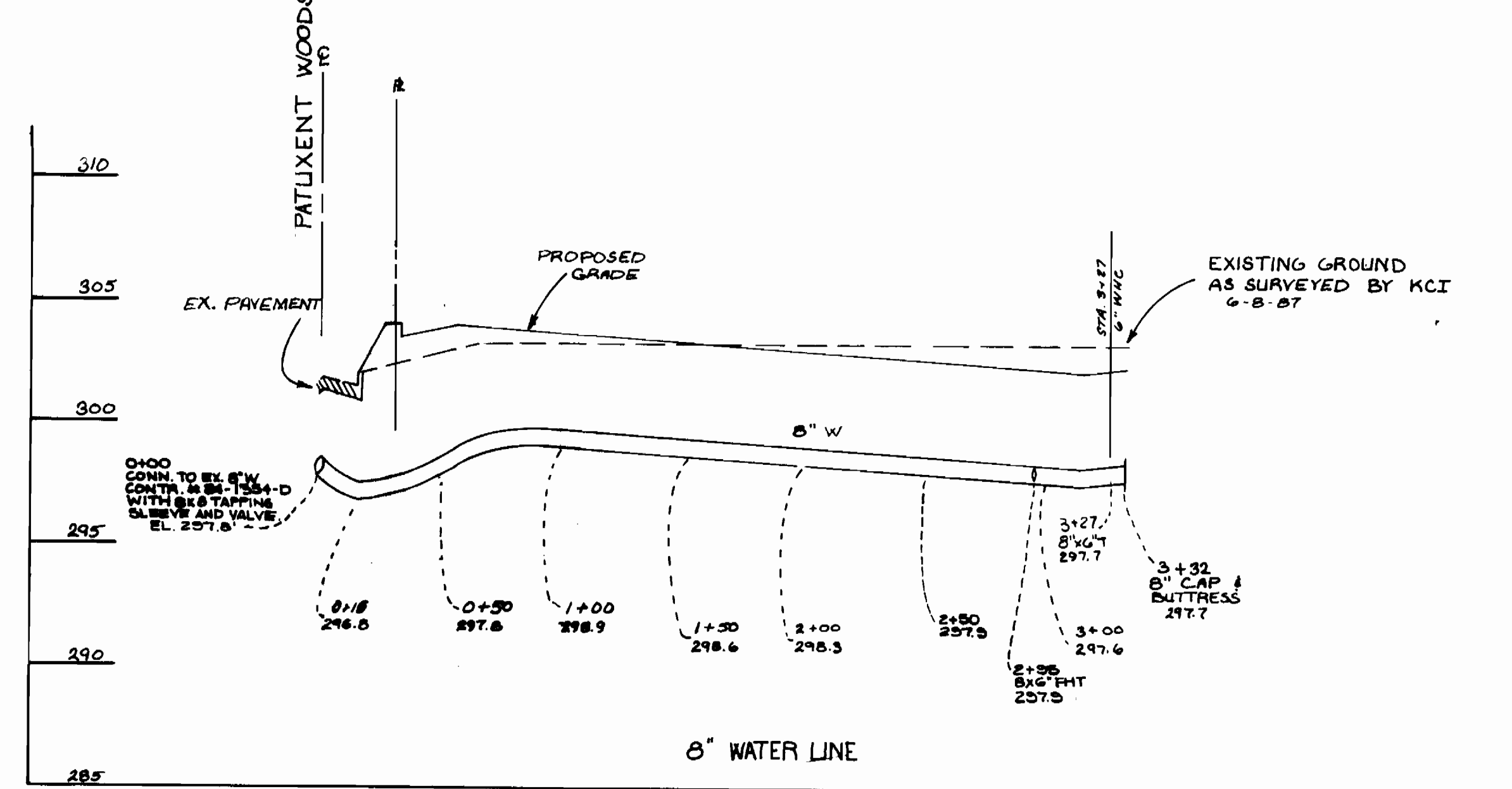
GENERAL NOTES

- 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. 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. Any cost incurred to the contractor for tunneling or bracing at poles shall be included in the unit prices bid for construction of the main.
- For details not shown on the drawing use Howard County Standard Details 1988 AMENDMENTS.
- 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 & Electric Co. - Underground Electric Distribution Customer Service - 685-0123
Engineering "Damage Control" - 234-5621
Miss Utility - 800-257-7777
Chesapeake & Potomac (C&P) Telephone Co. - 725-9976
American Telephone & Telegraph Cable Location Division - 393-3553
Colonial Pipeline Co. - 795-1390
Bureau of Utilities, Howard County - 992-2366
- 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 Operations.
- All water mains to be Class 52 D.I.P. unless otherwise noted.
- Top of all water mains to have a minimum of 3'-6" cover unless otherwise noted.
- Valves adjacent to tees shall be strapped to tees.
- Block all fittings with concrete.
- Bury line elevations on fire hydrants shall be set to the elevations shown on the drawings. All fire hydrants shall be strapped and buttressed with concrete in accordance with Standard Details.
- All water house connections shall be for an inside meter setting.
- The contractor shall not operate any water main valves on existing system.
- All sewer mains shall be C.S.P.X., R.C.S.P., V.C.P.X., ~~A.C.P. Class 2400~~ or 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" 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 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, Standard Detail G5.41.
- Houses with the symbol "C.N.S." indicates that cellar cannot be served.

SEDIMENT CONTROL NOTES

- For sediment control for this contract, see the approved road construction plans.
- Materials from trench excavation to be placed on uphill side of trench.
- Contractor to backfill, compact, and stabilize immediately after installation of pipe. No trenches will be left open at the end of each day, except that portion where work has stopped.
- Any sediment control facilities encountered during pipe construction to be returned to original condition immediately upon completion of that portion of work.
- Sediment control measures for this contract will be implemented in accordance with Section 219 of the Howard County Standard Specifications and as per SDP-89-50

PLAN SCALE 1" = 50' VILLAGE OF OWEN BROWN 6/1, LOT D-1



WATER PROFILES
SCALE: HORIZ = 1" = 30'
VERT = 1" = 5'

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.
Stephen F. [Signature] 7-6-87
SIGNATURE DATE
U.S. SOIL CONSERVATION SERVICE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION & SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
James M. [Signature] 7-6-87
APPROVED DATE
HOWARD S.C.D.

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
[Signature] 7/10/89
DIRECTOR OF PUBLIC WORKS DATE
[Signature] 7/10/89
CHIEF, BUREAU OF ENGINEERING DATE
[Signature] 7/14/89
CHIEF, LAND DEVELOPMENT DIV. DATE

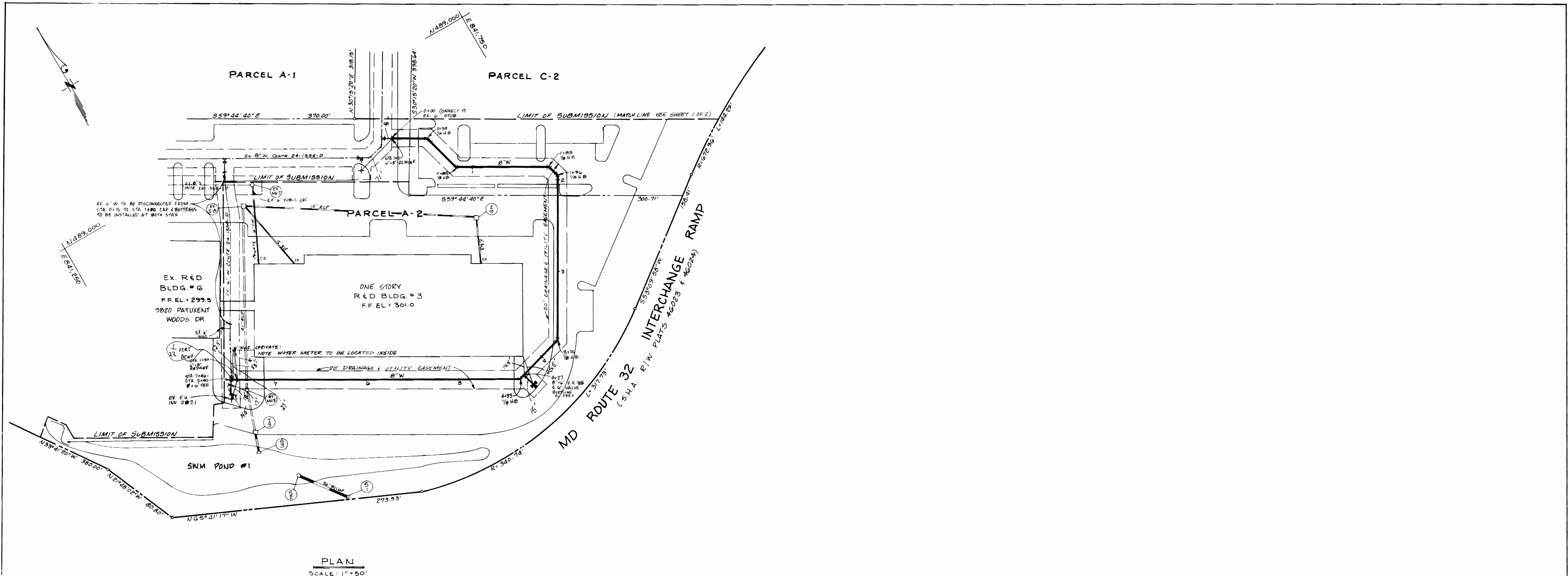
KIDDE CONSULTANTS INC.
ENGINEERS, PLANNERS & SURVEYORS
13992 BALTIMORE AVENUE / SUITE 300
LAUREL, MD. 20707
(301) 792-8086 (301) 953-1821
James G. [Signature]

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

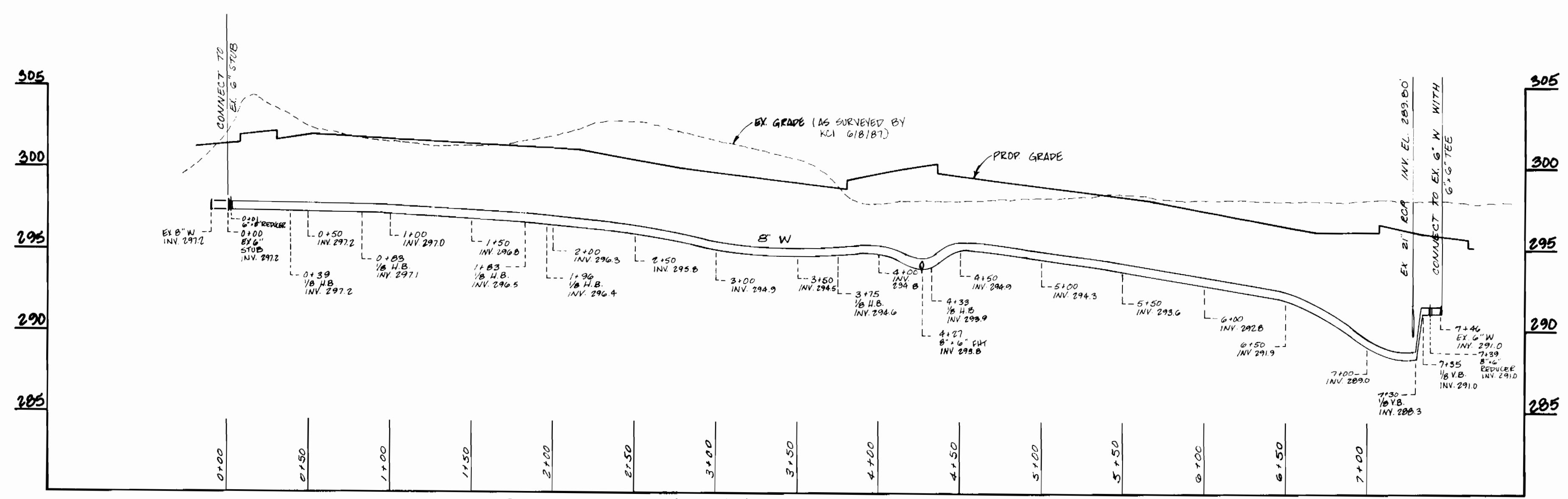
8" WATER PLAN & PROFILE
CONTRACT NO.: 44-1945-D
600 SCALE MAP NO. 42 BLOCK NO. 22

VILLAGE OF OWEN BROWN
SEC. 6 AREA 1 PARCEL C-2, A-2
TAX MAP 42 PARCEL 18
6TH ELECTION DIST HOWARD CO., MD.
SCALE AS SHOWN
SHEET 1 OF 2

AS-BUILT 1/18/90



PLAN
SCALE: 1" = 50'



PROPOSED 8" WATER PROFILE
SCALE: VERT. 1" = 5'
HORIZ. 1" = 50'

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

Michael A. Brown
DIRECTOR OF PUBLIC WORKS
DATE: 6-30-89

William J. ...
CHIEF, BUREAU OF ENGINEERING
DATE: 7-10-89

...
CHIEF, LAND DEVELOPMENT DIV.
DATE: 7-1-89

KIDDE CONSULTANTS INC
ENGINEERS, PLANNERS & SURVEYORS

13992 BALTIMORE AVENUE / SUITE 300
LAUREL, MD 20707

(301) 792-8086 (Balt)
(301) 953-1821 (Wash.)

James C. Ferguson

DES: JMM/SJK			
DRN: JMM/SJK			
CHK: SPH/BKS			
DATE: 5/89			
BY: NO.		REVISION	

8" WATER PLAN AND PROFILE

600' SCALE MAP NO. 42 BLOCK NO. 210

AS-BUILT 1/18/90

VILLAGE OF OWEN BROWN

SECTION 6 / AREA 1 / PARCELS C-2, A-2

TAX MAP 42 PARCEL 18

6TH ELECTION DIST. HOWARD CO, MD

SCALE AS SHOWN

SHEET 2 OF 2