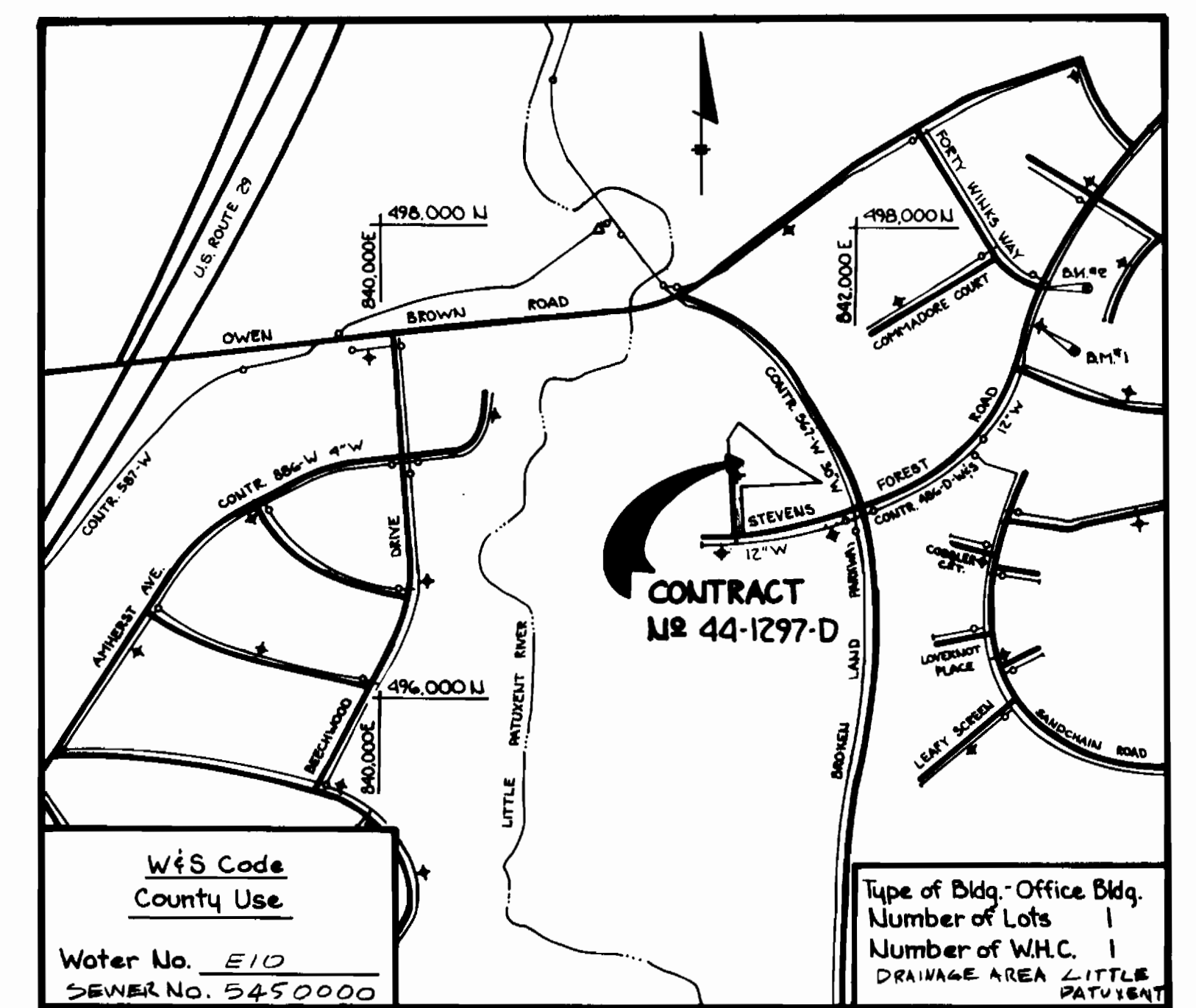


Bench Marks

B.M. #1 Elev. 358.37
 F.H. road side bonnett bolt between G207 & G211 Stevens Forest Road.
 B.M. #2 Elev. 367.38
 X-Cut in Northeast corner of inlet at intersection of Stevens Forest Road and Forty Winks Way.

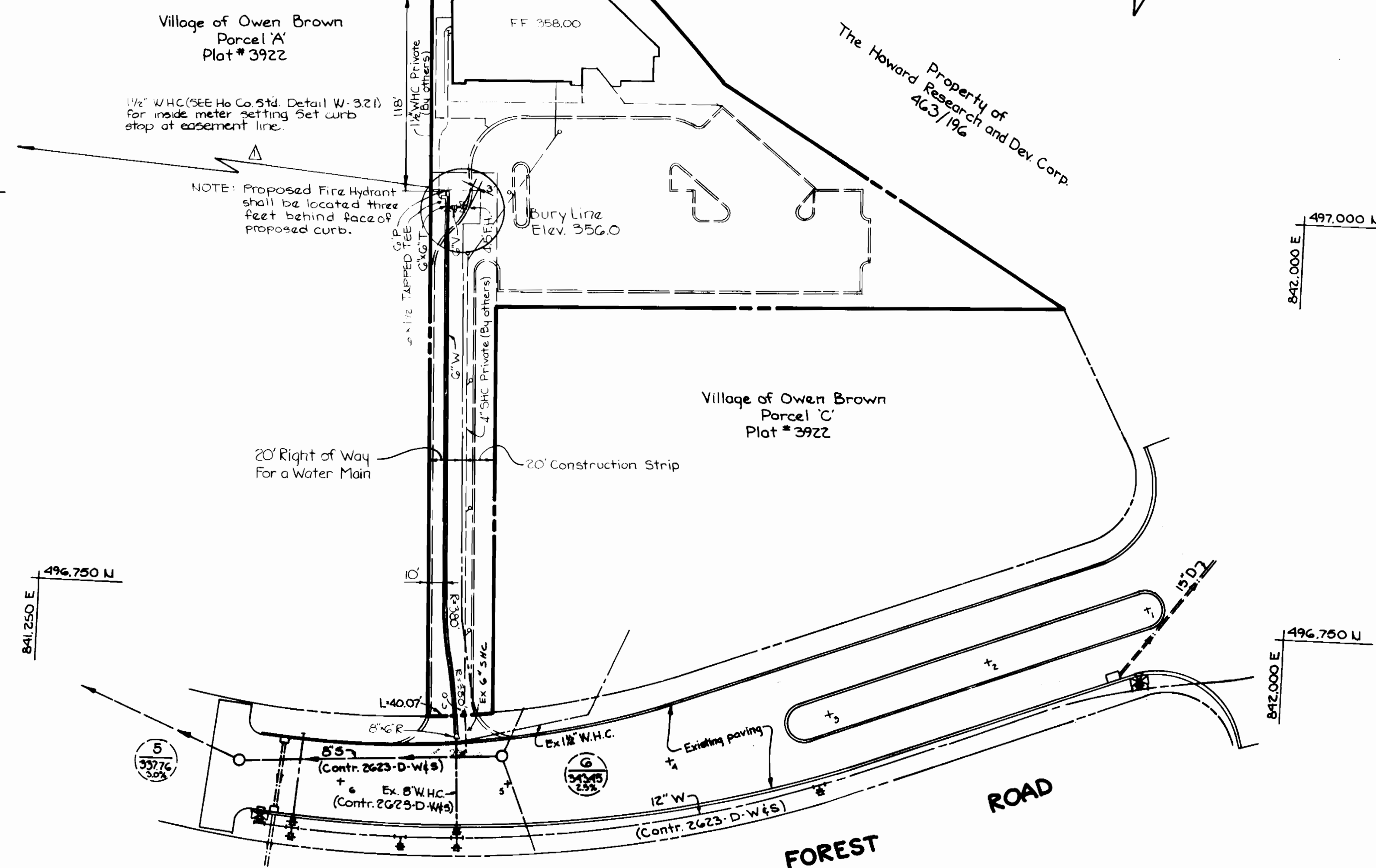
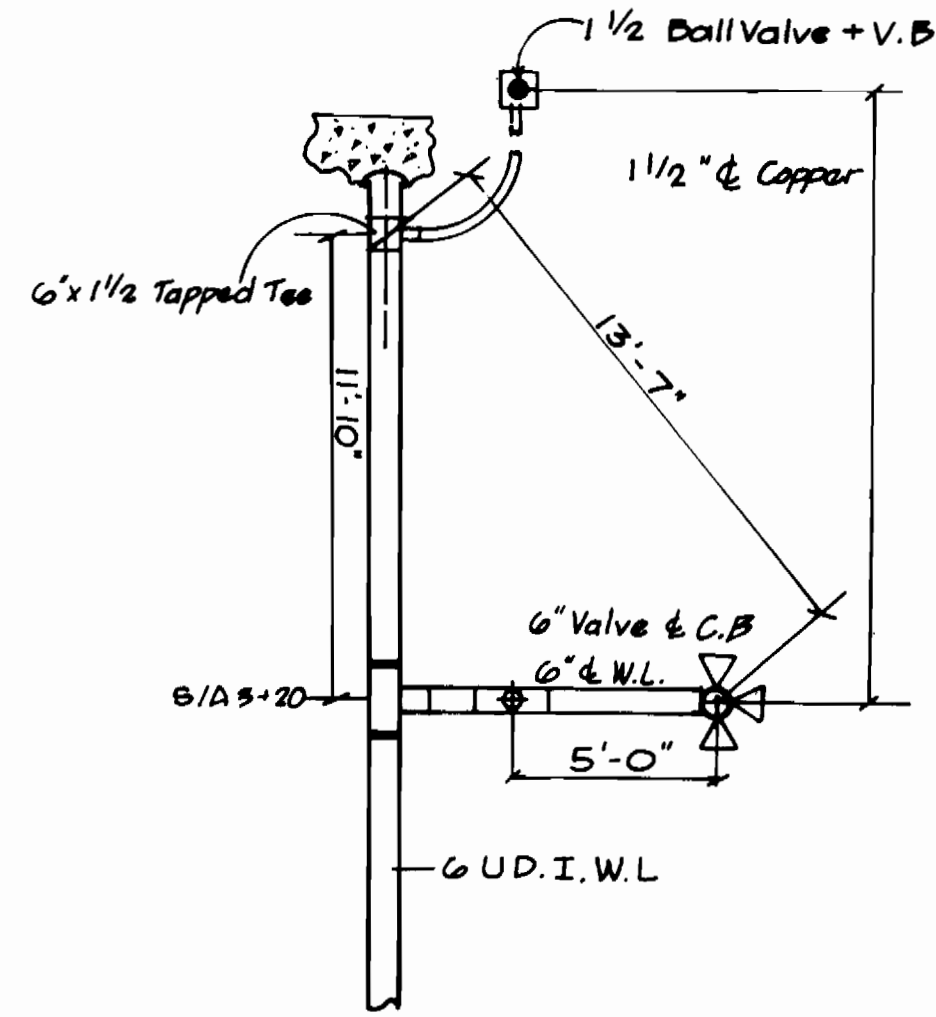


VICINITY MAP
 Scale: 1"=600'

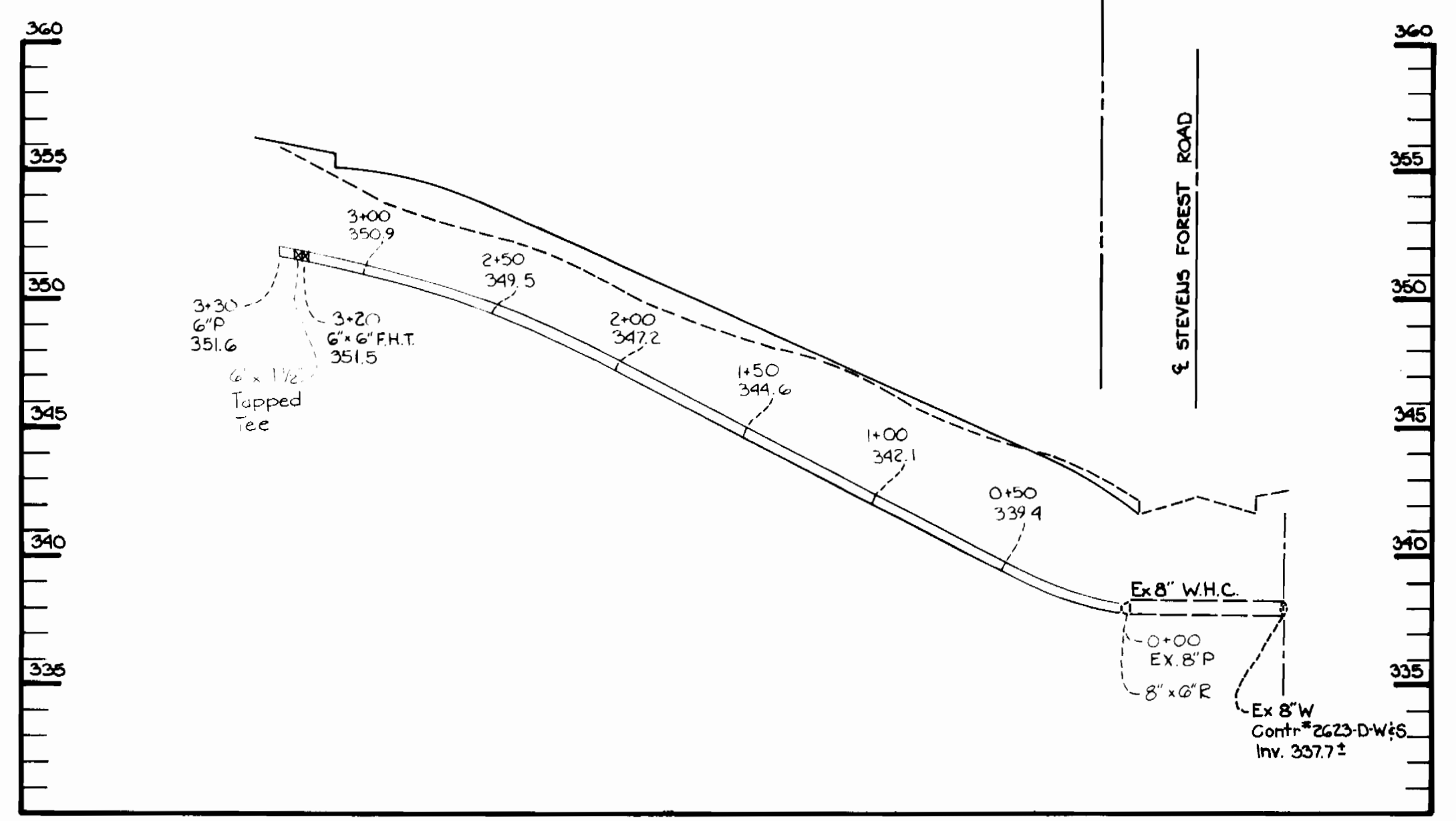
GENERAL NOTES

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 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 Details for Construction. 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 utilities or agencies at least five working days before starting work shown on these plans:

State Highway Administration	531-5533
Baltimore Gas & Electric Co. - Contractor Services	561-2585
Baltimore Gas & Electric Co. Under Ground Damage Control	234-5621
Baltimore Gas & Electric Co. Trouble Shooting	298-9013
Miss Utility	1-559-0100
Colonial pipeline Co.	795-1390
Bureau of Utilities, Howard County Department of Public Works	992-2366
9. 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.
10. 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 excavation and backfill.
11. All water mains to be D.I.P. unless otherwise noted.
12. Top of all water mains to have a minimum of 3 1/2' cover unless otherwise noted.
13. Valves adjacent to tees shall be strapped to tees.
14. Block all fittings with concrete.
15. 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 Section 1003 & 1008 of the General Requirements for Water & Sewer.
16. All water house connections shall be for an inside meter setting.
17. The contractor shall not operate any water valves on the existing system.
18. For all copper water house connections utilize flared type fittings only.
19. Profile stations shall be adjusted as necessary to conform to Plan dimensions.
20. No pipe shall be laid until lines of excavation have been brought to Subgrade.



QUANTITIES		
ITEM	ESTIMATED	AS BUILT MATERIAL/SUPPLIER
6" W	330	330 L.P. Atlantic States
6" x 1 1/2" TAPPED TEE	1	1 ea Mueller Co.
F.H.	1	1 ea Mueller Co.



PROFILE
 Scale: Horiz. 1"=50'
 Vert. 1"=15'

Sediment control measures for this contract will be implemented in accordance with article 15 of the specification and as shown on SDP-85-06

Howard Soil Conservation District:
 Reviewed for Howard Soil Conservation District and meets technical requirements.
[Signature] 10-23-84
 Date
 US Soil Conservation Service
 This plan is approved for soil erosion and sediment control by the Howard Soil Conservation District.
[Signature] 10-23-84
 Date
 Howard Soil Conservation District

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND

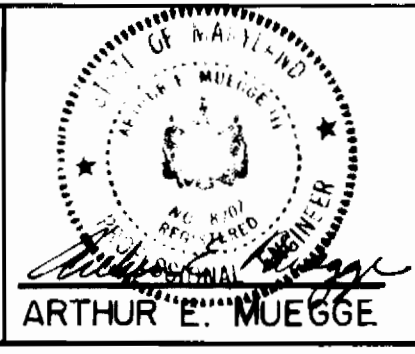
[Signature] 10-24-84
 DIRECTOR OF PUBLIC WORKS DATE

[Signature] 10-30-84
 CHIEF BUREAU OF UTILITIES DATE

[Signature] 11-2-84
 CHIEF BUREAU OF ENGINEERING DATE

[Signature] 11-2-84
 CHIEF LAND DEVELOPMENT DIVISION DATE

THE RIEMER GROUP INC.
 3105 HEALTH PARK DRIVE
 ELLICOTT CITY MD. 21043



DES: D.A.M.	
DRN: T.J.M.	
CHK: J.K.B.	
DATE: 6-22-84	
BY: J.C.J.	
NO. 1	
REVISED W.H.C. & S.H.C.	
REVISION	
DATE: 3/6/85	

PLAN & PROFILE
OF A WATER MAIN

600' SCALE MAP NO. 36 BLOCK NO. _____

HILLCROFT OFFICE BUILDING
VILLAGE OF OWEN BROWN
 PARCEL 'B'
 ELECTION DISTRICT NO. 6
 CONTRACT NO. 44-1297-D

SCALE AS SHOWN
 SHEET 1 OF 1

"As Built" May 10, 1985 OCTOBER 15, 1984