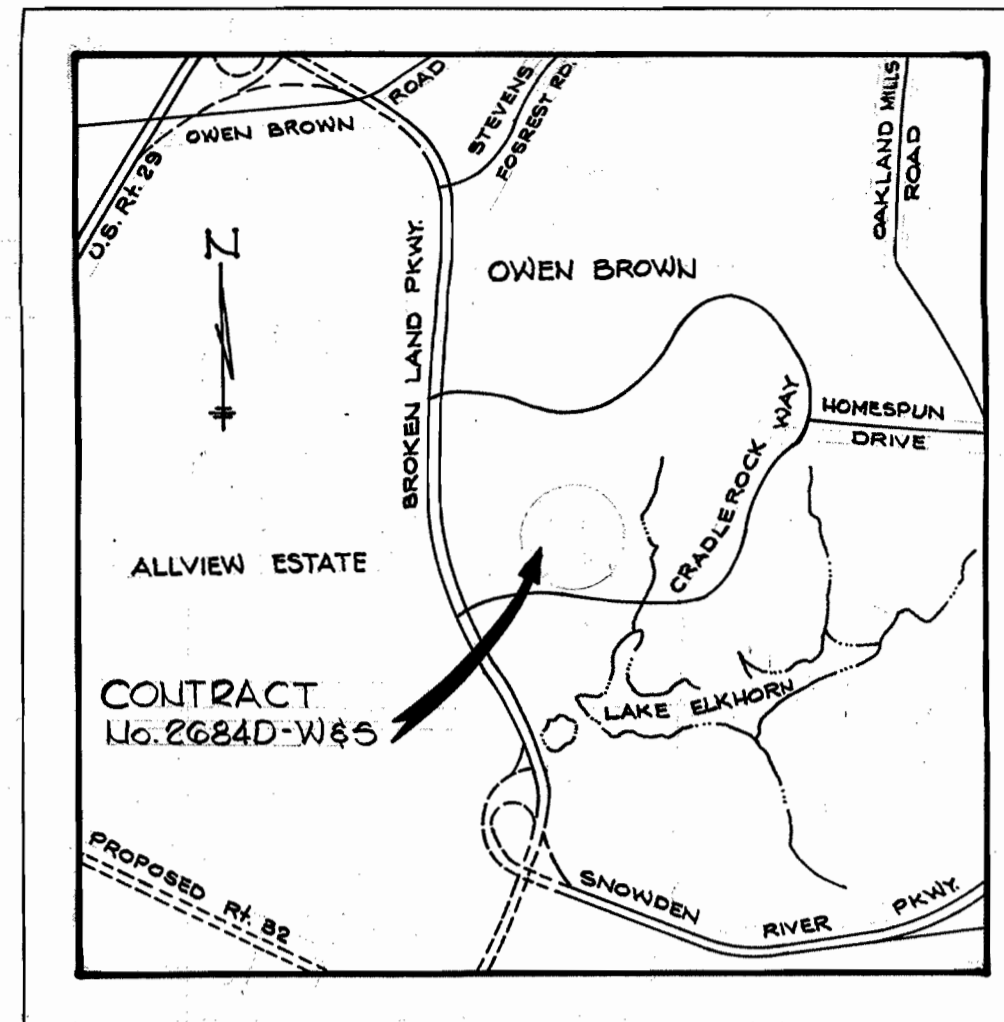


BENCH MARKS

W.R. & A. B.M. # 93+00 Elev. 307.79
 & Cradlerock Way sta. 93.00
 N.T. & T.

W.R. & A. B.M. # 94+29.02 Elev. 302.28
 & Cradlerock Way sta. 94+29.02
 N.T. & T.



VICINITY MAP
 Scale: 1" = 2,000'

GENERAL NOTES

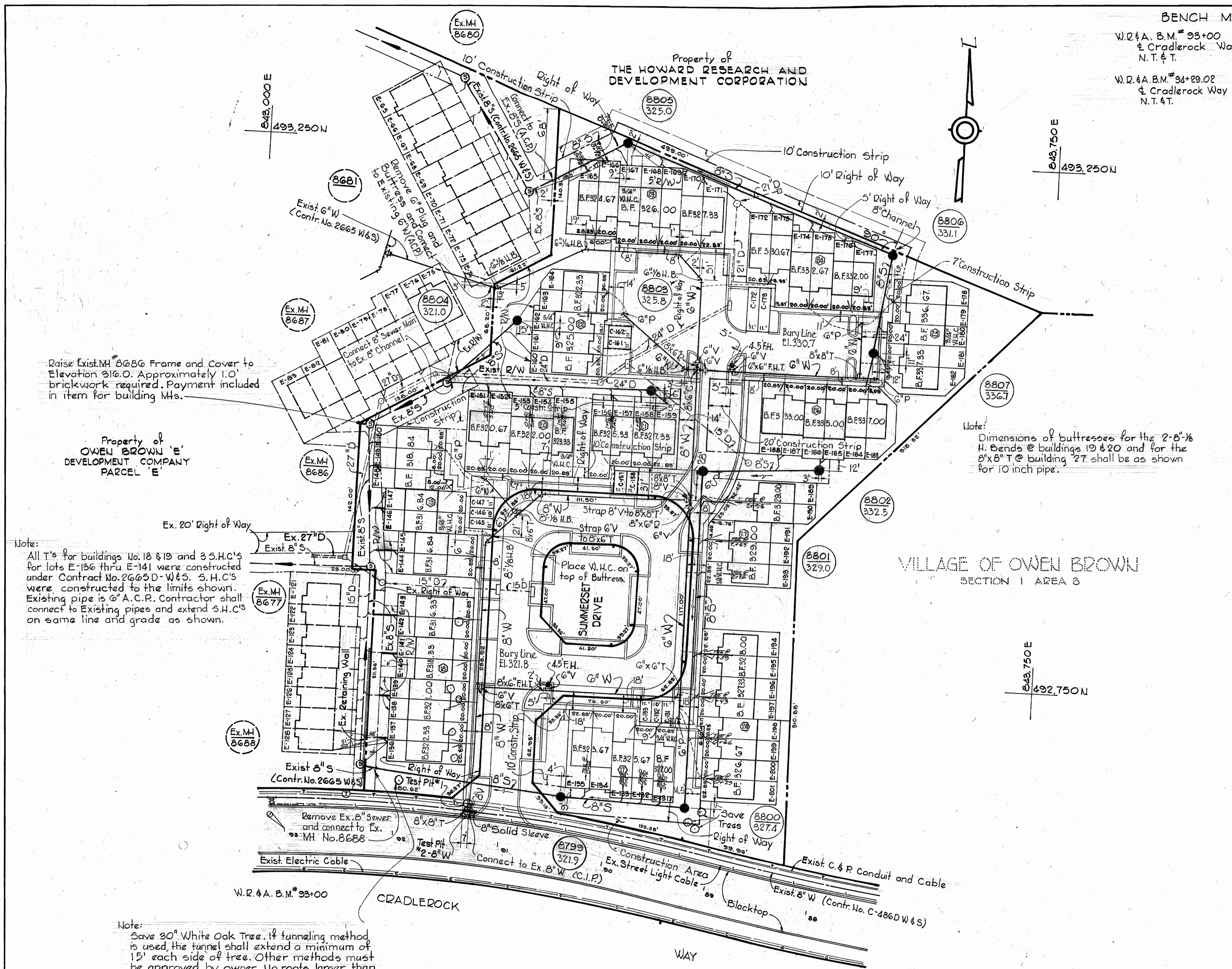
1. Approximate location of existing mains are shown. The Contractor shall take all necessary precautions to protect existing mains and services and maintain uninterrupted supply. Any damage incurred shall be repaired immediately.
2. All pipe elevations shown are invert elevations.
3. The Contractor shall locate existing utilities a minimum of two weeks in advance of construction operations in vicinity of utilities.
4. Clear all utilities by a minimum of 6'.
5. For all standard details see standards bound in Specifications.
6. All horizontal and vertical controls are based on Maryland State Datum.
7. 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.
8. All manholes to be 4'-0" inside diameter.
9. The Contractor shall provide a joint in all sewer mains within 2'-0" of exterior manhole walls.
10. All water mains to have a minimum of 3 1/2' cover unless otherwise noted.
11. Block all fittings with concrete see standards bound in Specifications.
12. Bury Line elevations on fire hydrants shall be set to elevations shown on drawings.
13. All fire hydrants shall be strapped and buttressed in accordance with standard details.
14. Cost of strapping fire hydrants and valves shall be included in unit price bid for furnishing and laying of water mains.
15. All W.H.C. shall be 1" diameter unless otherwise noted.
16. Contractor shall notify the Chesapeake and Potomac Telephone Company - 725-9976 at least five (5) days before starting work shown on these plans.

QUANTITIES	
ITEM	QUANTITY
8" Sewer	1,452 L.F.
8" Water	500 L.F.
6" Water	1,088 L.F.
Fire Hydrants	2



Kenneth A. Melrod

Village of Owen Brown
 Section 1, Area 1
 Parcel E-4
 Contract No. 2684D-W&S



As BUILT NOTE:
 For as-built information see sheet 3 of 3.
 Sewer & Water are Acc. (Mfg. & class unknown)

PLAN
 Scale: 1" = 50'

Note:
 Save 30" White Oak Tree. If tunneling method is used, the tunnel shall extend a minimum of 15' each side of tree. Other methods must be approved by owner. No roots larger than 1/2-inch may be cut. No voids shall be left under tree.

Raise Exst. MH 8686 Frame and Cover to Elevation 316.0. Approximately 1.0' brickwork required. Payment included in item for building Mts.

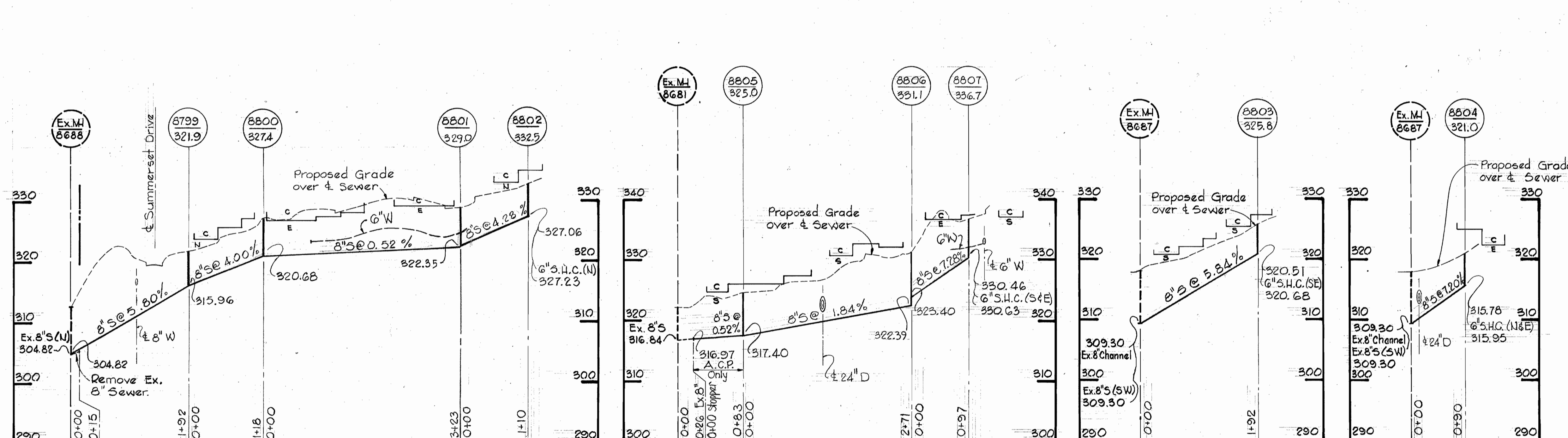
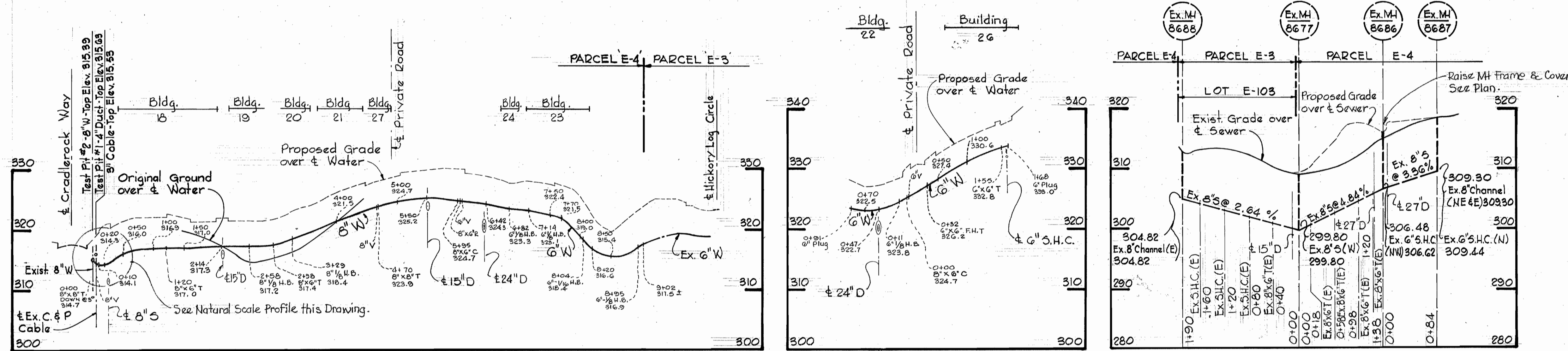
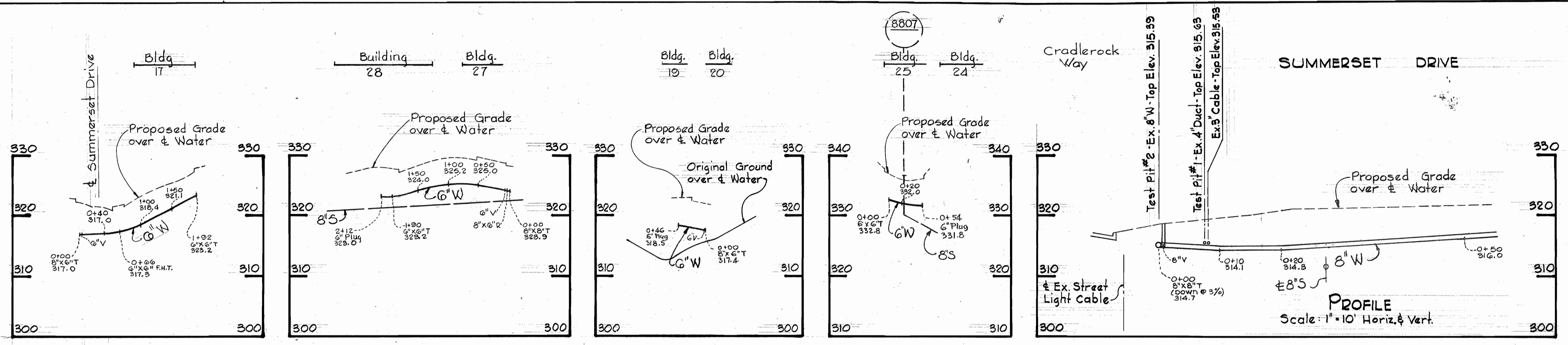
Property of OWEN BROWN DEVELOPMENT COMPANY PARCEL E

Note:
 All T's for buildings No. 18 & 19 and 3 S.H.C's for lots E-136 thru E-141 were constructed under Contract No. 2665D-W&S. S.H.C's were constructed to the limits shown. Existing pipe is 6" A.C.P. Contractor shall connect to Existing pipes and extend S.H.C's on same line and grade as shown.

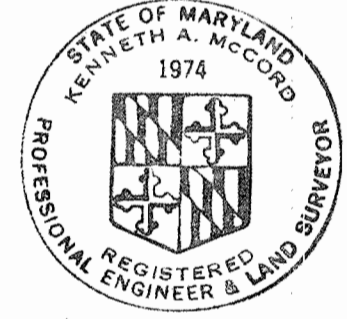
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND <i>P.J. Regard</i> 5-13-76 DIRECTOR OF PUBLIC WORKS - DATE	CONTRACT NO. 2684D-W&S <i>W.O. Gilbert</i> 5-13-76 CHIEF-BUREAU OF ENGINEERING - DATE	PLAN OF WATER & SEWER MAINS	COLUMBIA VILLAGE OF OWEN BROWN ELECTION DISTRICT GUILFORD NO. 6	DRAWING NO. 1	SCALE AS SHOWN
					OF 23	SHOWN

WS 684-W&S/1

BRUNING 44-510 1839Z



PROFILES
 Horiz. 1" = 100'
 Vert. 1" = 10'



Kenneth A. McLeod

Village of Owen Brown
 Section 1, Area 1
 Parcel E-4
 Contract No. 2684D-W&S

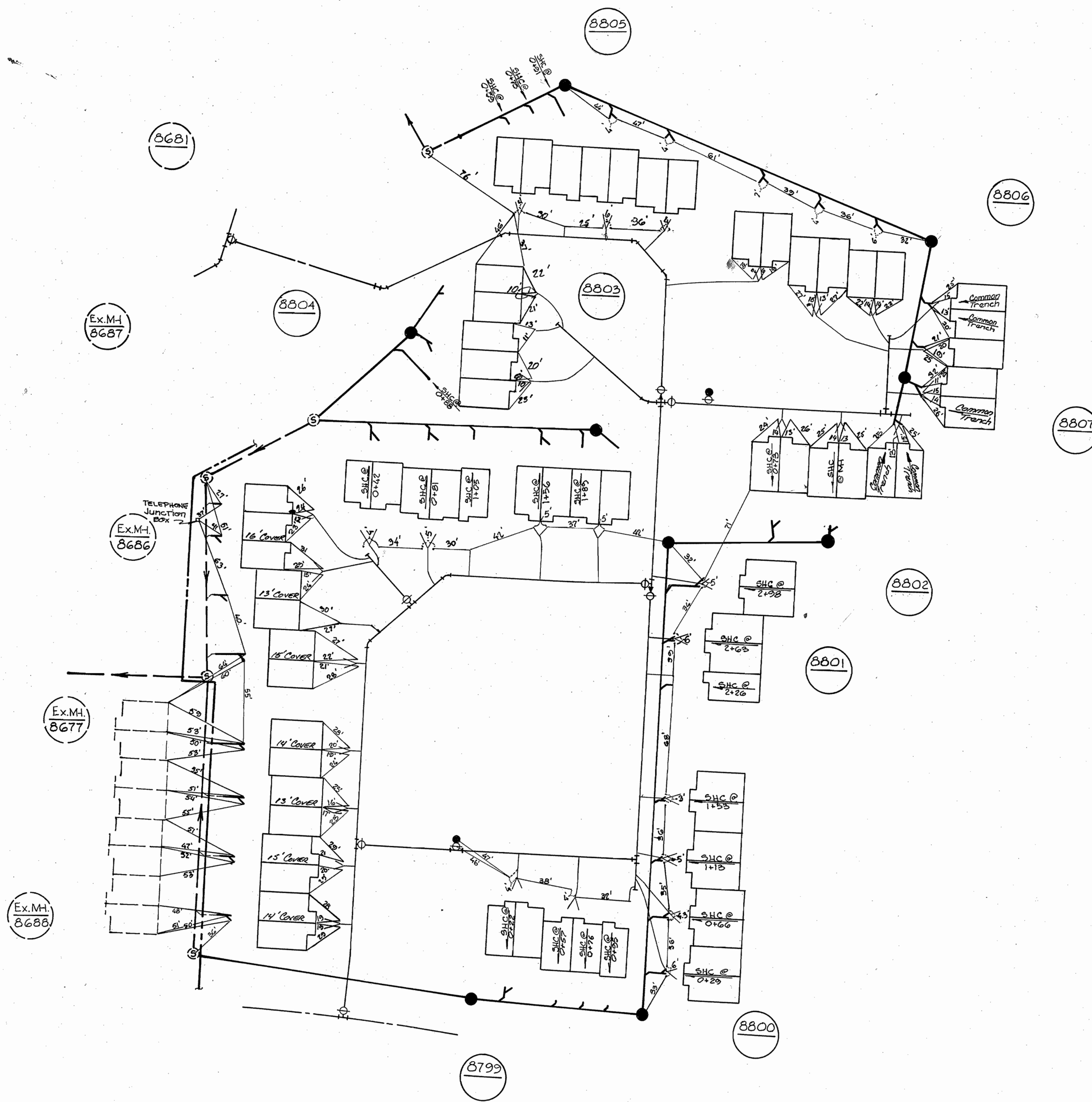
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND <i>P.J. Regan</i> 5-13-76 DIRECTOR OF PUBLIC WORKS - DATE	CONTRACT NO. 2684D-W&S <i>W.O. Gilbert</i> 5-13-76 CHIEF-BUREAU OF ENGINEERING - DATE	PROFILE OF WATER & SEWER MAINS	COLUMBIA VILLAGE OF OWEN BROWN ELECTION DISTRICT GUILFORD NO. 6	DRAWING NO. 2 OF 23 SCALE AS SHOWN
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W. O. 2452

MAY 6, 1976
 As Built Aug, 1977

WS 684-W&S/2

BRIMING 44-510 18392



WS 684-W#5/3

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

CONTRACT NO. 684 D-W#5

Water and Sewer House Conn's.
As BUILT

DRAWING
NO. 3
OF 3

SCALE
1" = 50'

DATE

CHIEF-BUREAU OF WATER AND SEWER

MW '77

As BUILT AUGUST, 1976 .mw.