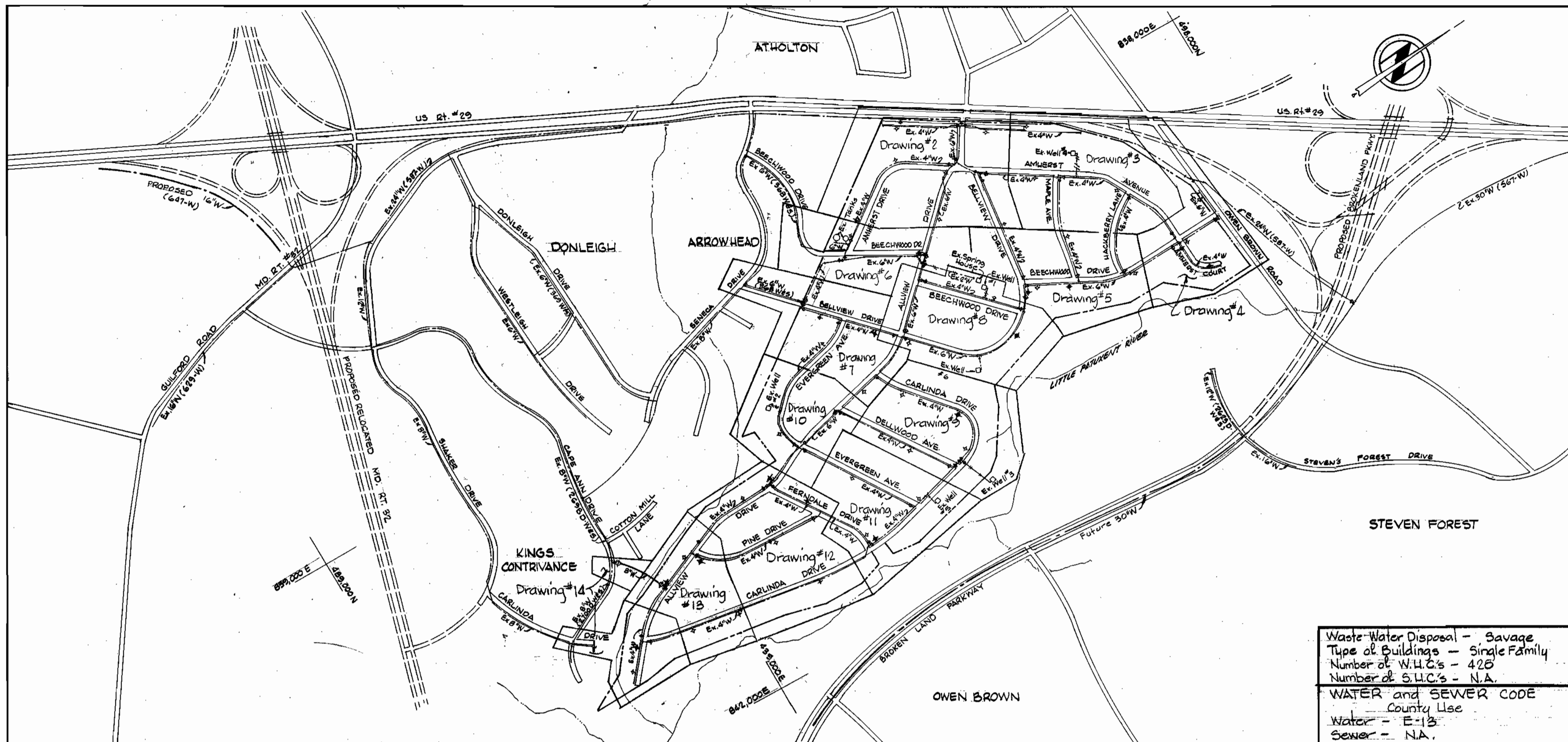


WS 886-986-1/W



Waste Water Disposal - Sewage  
 Type of Buildings - Single Family  
 Number of W.U.C.'s - 428  
 Number of S.I.C.'s - N.A.  
 WATER and SEWER CODE  
 County Use  
 Water - E-13  
 Sewer - N.A.

**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.
- ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
- THE CONTRACTOR SHALL LOCATE EXISTING UTILITIES A MINIMUM OF TWO WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS IN VICINITY OF UTILITIES.
- THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS.
  - BALTIMORE GAS AND ELECTRIC COMPANY -
  - UNDERGROUND ELECTRIC DISTRIBUTION ENGINEERING DAMAGE CONTROL - 234-5691.
  - UNDERGROUND GAS DISTRIBUTION ENGINEERING 234-6821.
  - CHESAPEAKE AND POTOMAC TELEPHONE COMPANY 398-3648.
  - MISS UTILITY - 1 - 559-0100.
  - AMERICAN TELEPHONE AND TELEGRAPH - CABLE LOCATION DIVISION 301-393-3553.
  - COLONIAL PIPELINE COMPANY - 781-4641.
- FOR ALL STANDARD DETAILS SEE STANDARDS BOUND IN SPECIFICATIONS.
- ALL HORIZONTAL AND VERTICAL CONTROLS ARE BASED ON MARYLAND STATE DATUM.
- CLEAR ALL UTILITIES BY A MINIMUM OF 6", CLEAR ALL POLES BY 2'-0" OR TUNNEL AS REQUIRED.
- BLOCK ALL FITTINGS WITH CONCRETE, SEE STANDARDS BOUND IN SPECIFICATIONS.
- ALL WATER MAINS SHALL HAVE A MINIMUM OF 3 1/2' COVER.
- ALL WATER MAINS SHALL BE C.T.P. OR D.T.P. UNLESS OTHERWISE NOTED.
- ALL VALVES SHALL BE STRAPPED TO TEES WHERE APPLICABLE IN ACCORDANCE WITH THE STANDARD DETAILS.
- ALL FIRE HYDRANTS SHALL BE STRAPPED AND BUTTRESSED IN ACCORDANCE WITH THE STANDARD DETAILS. SOIL AROUND THE HYDRANTS SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 5-15 OF THE SPECIFICATIONS.
- PROFILE STATIONS MAY HAVE TO BE ADJUSTED, AS REQUIRED TO CONFORM TO PLAN DIMENSIONS.
- ALL WHO'S SHALL BE 3/4" DIAMETER, UNLESS OTHERWISE NOTED.
- WATER SERVICES SHALL BE FOR INSIDE METER SETTINGS.

**CONTRACT NO. 886-W  
 PROJECT NO. W-5-8079**

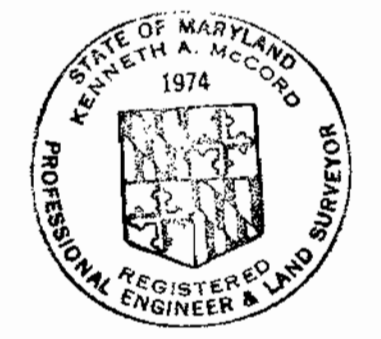
**ALLVIEW ESTATES WATER SYSTEM  
 HOWARD COUNTY, MARYLAND  
 DEPARTMENT OF PUBLIC WORKS**

ITEM	QUANTITIES		MATERIAL/SUPPLIER
	BID	AS-BUILT	
Connections	5	5	
Relocations	1	1	
Fire Hydrants	42	39	M.H. Dresser
8" Valves	1	1	American Darling
6" Valves	16	11	" "
4" Valves	40	39	" "
8" x 8" T&V	1	1	" "

DIP - Atlantic States

Note:  
 New Valves were installed in all locations designated "Rework Ex. V."

AS-BUILT  
 Diary #1 FB# 6435  
 Diary #2 FB# 6432  
 Stakeout FB# 4604



*Thomas J. Moran*

Allview Water  
 Project No. W-5-8079  
 Contract No. 886-W

DEPARTMENT OF PUBLIC WORKS  
 HOWARD COUNTY, MARYLAND  
 CHIEF-BUREAU OF UTILITIES-DATE  
 CHIEF-BUREAU OF ENGINEERING-DATE  
**WHITMAN, REQUARDT & ASSOCIATES**  
 ENGINEERS  
 1304 ST. PAUL ST.  
 BALTIMORE, MARYLAND

DEPARTMENT OF PUBLIC WORKS  
 HOWARD COUNTY, MARYLAND  
 DIRECTOR OF PUBLIC WORKS  
 DATE

CONTRACT NO. 886-W  
 PROJECT NO. W-5-8079

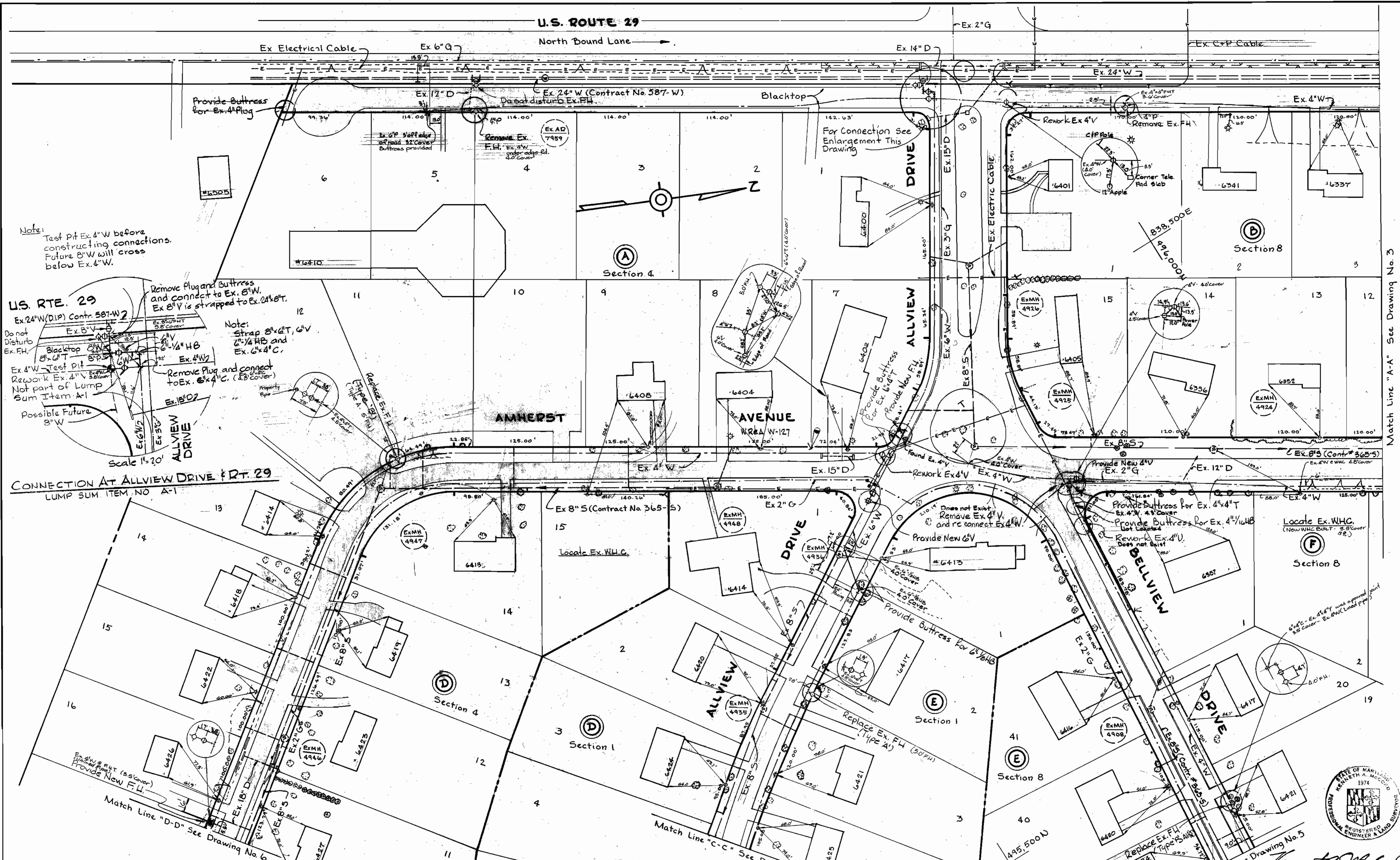
LOCATION MAP

ELECTION DISTRICT  
 GUILFORD NO. 6

DRAWING NO. 1 OF 14  
 SCALE 1" = 600'

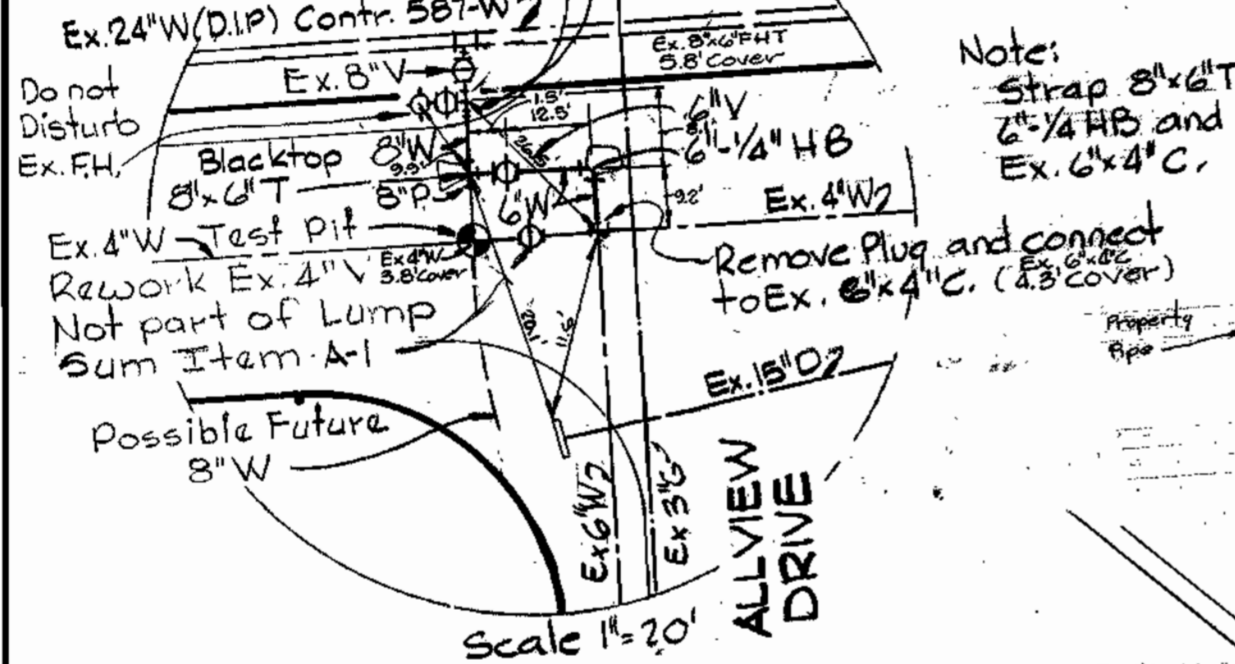
U.S. ROUTE 29

North Bound Lane



Note:  
Test pit Ex. 4" W before  
constructing connections.  
Future 8" W will cross  
below Ex. 4" W.

U.S. RTE. 29  
Ex. 24" W (DIP) Contr. 587-W2



CONNECTION AT ALLVIEW DRIVE & RT. 29  
LUMP SUM ITEM NO. A-1

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND  
2/1/80  
CHIEF - BUREAU OF UTILITIES - DATE  
WHITMAN, REQUARDT & ASSOCIATES  
ENGINEERS  
1304 ST. PAUL ST.  
BALTIMORE, MARYLAND

WR 1A B.M. # N-127 Elev. 598.53  
R.R. Spike inside G.E. Pole  
233386, Amherst Ave

PLAN  
Scale 1" = 50'

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND  
3-5-80  
DIRECTOR OF PUBLIC WORKS

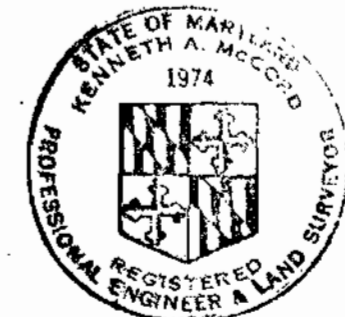
CONTRACT NO. 886-W  
PROJECT NO. W-5-8079

PLAN OF  
WATER MAINS

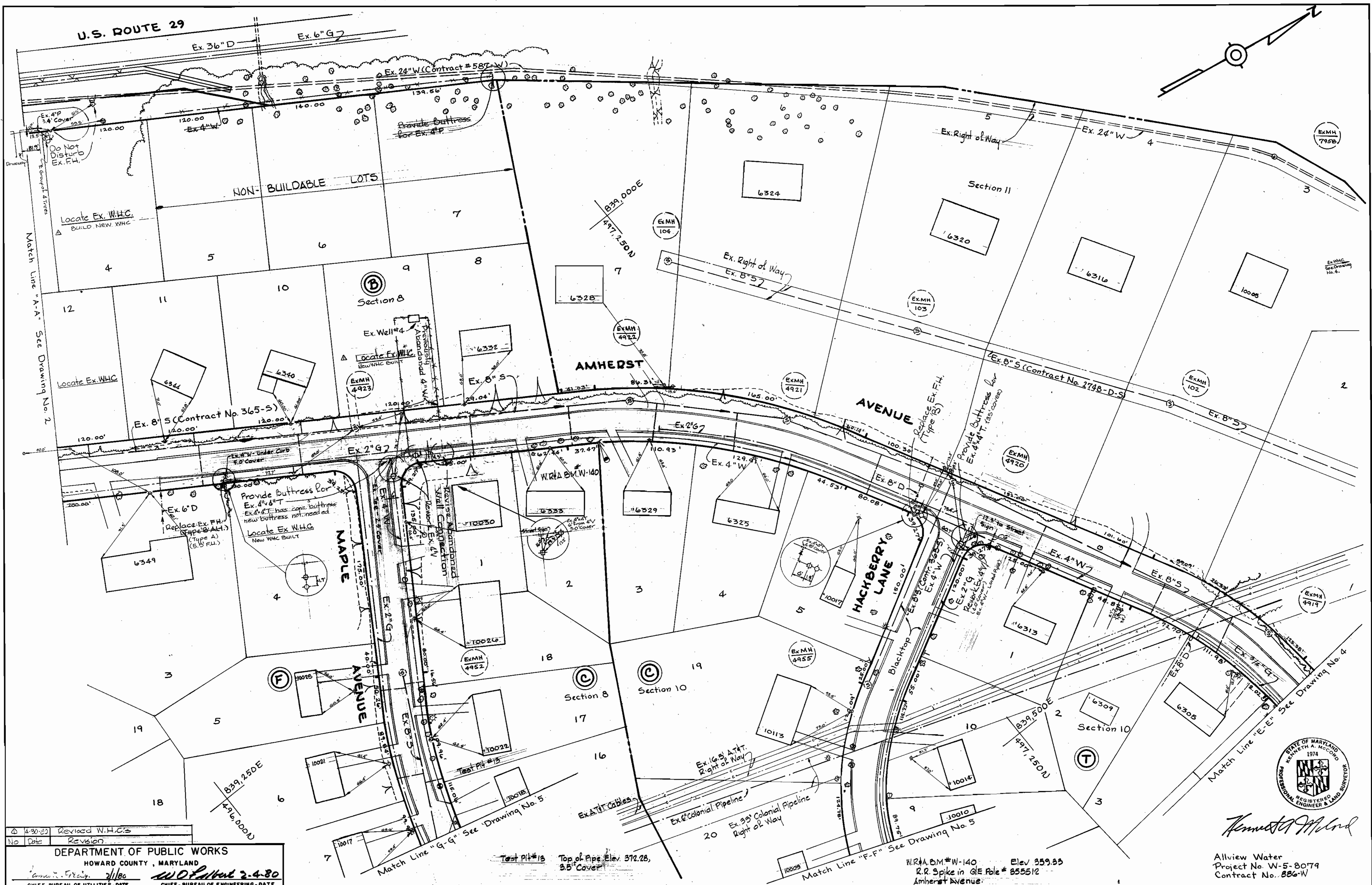
ELECTION DISTRICT  
GUILFORD NO. 6

DRAWING NO. 2 OF 14	SCALE AS SHOWN	495-480
		496-480
		494-480

Match Line "A-A" See Drawing No. 3



WS 886-W/3



4-30-80	Revised W.H.C.'s
No	Date
DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND	
CHIEF-BUREAU OF UTILITIES-DATE	
CHIEF-BUREAU OF ENGINEERING-DATE	
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	

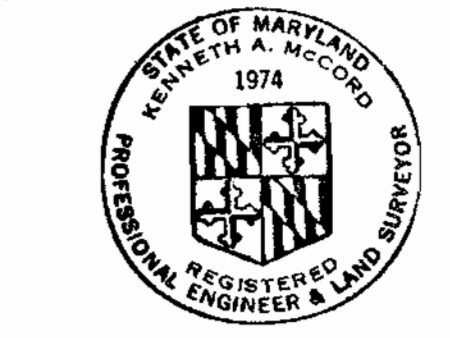
DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND	
DIRECTOR OF PUBLIC WORKS	
DATE	

CONTRACT NO. 886-W
PROJECT NO. W-5-8079

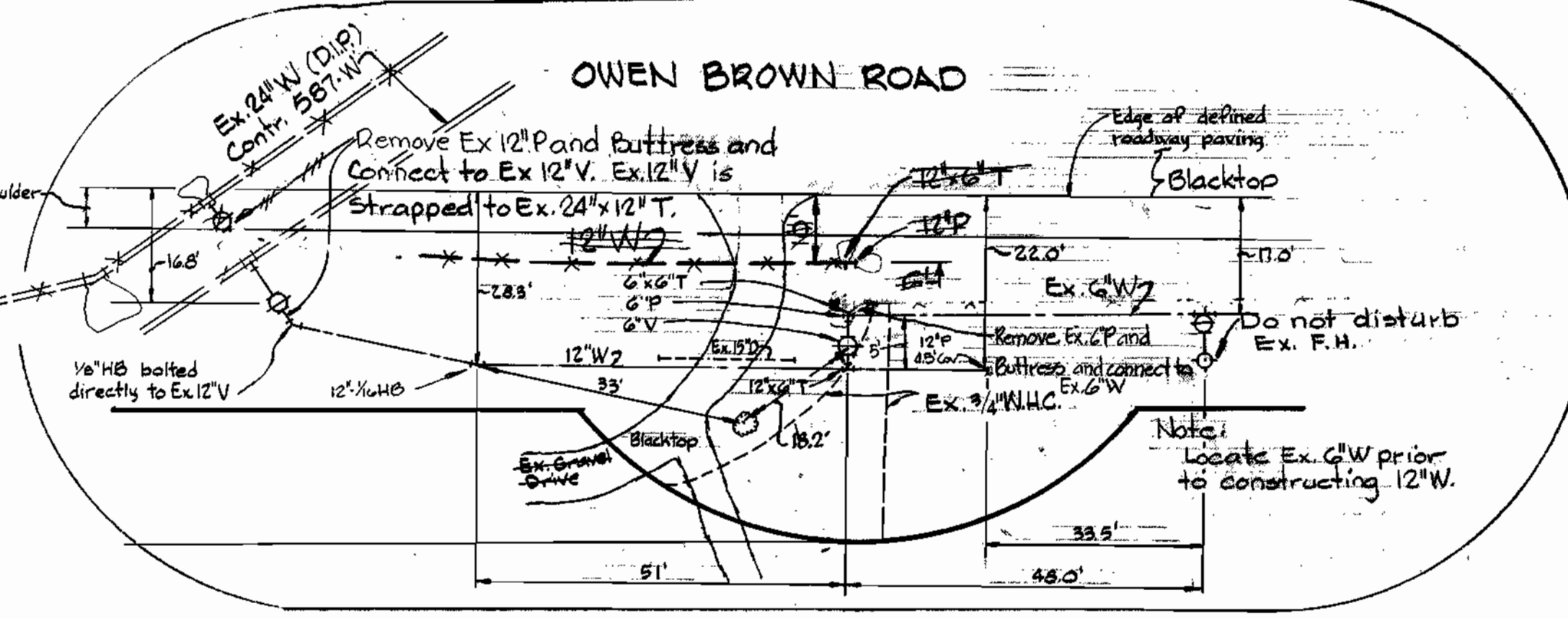
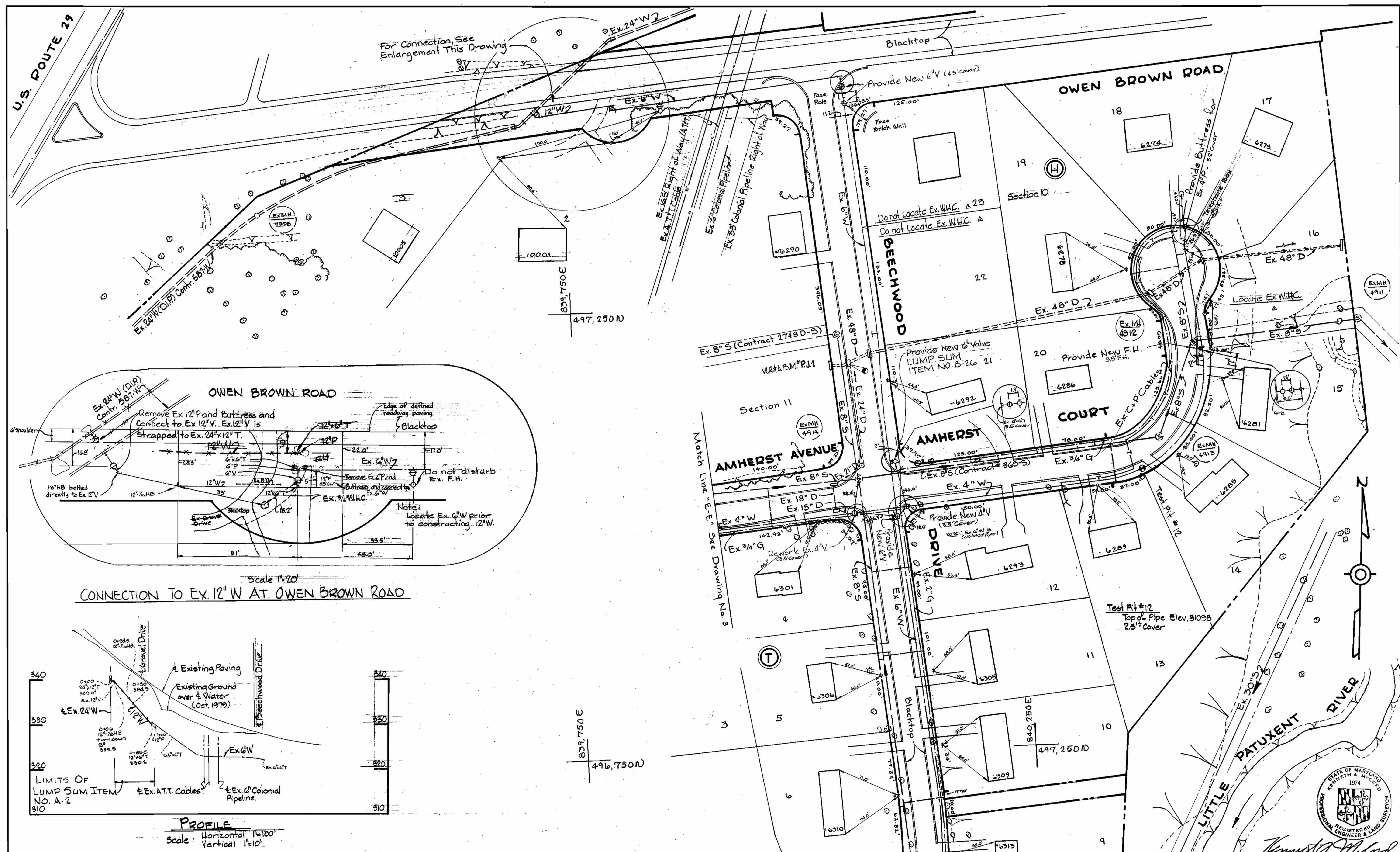
PLAN OF WATER MAIN
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ELECTION DISTRICT GUILFORD NO.6
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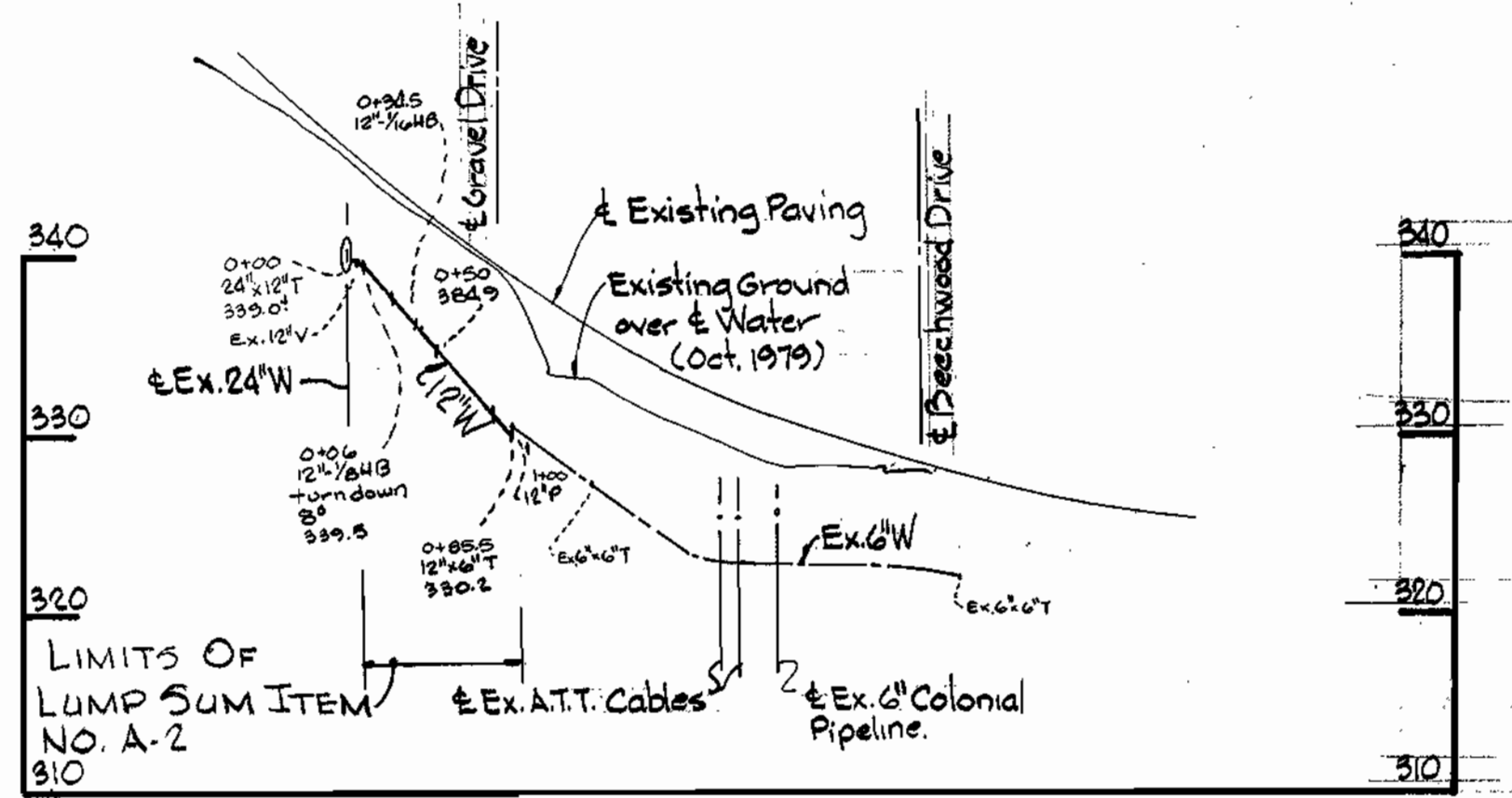
DRAWING NO. 3 OF 14	SCALE 1" = 50'	495-480 496-480
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Amherst  
Allview Water  
Project No. W-5-8079  
Contract No. 886-W



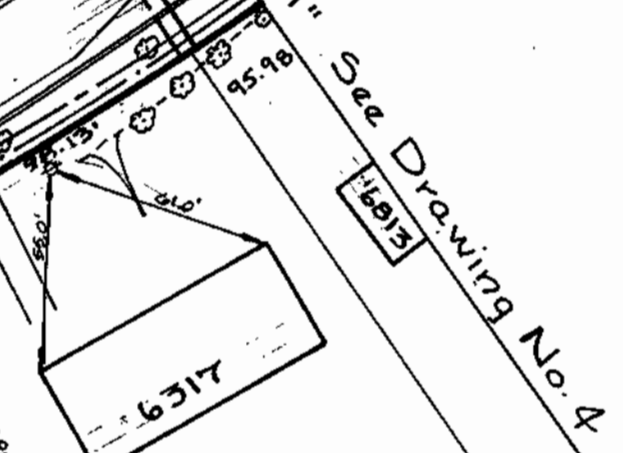
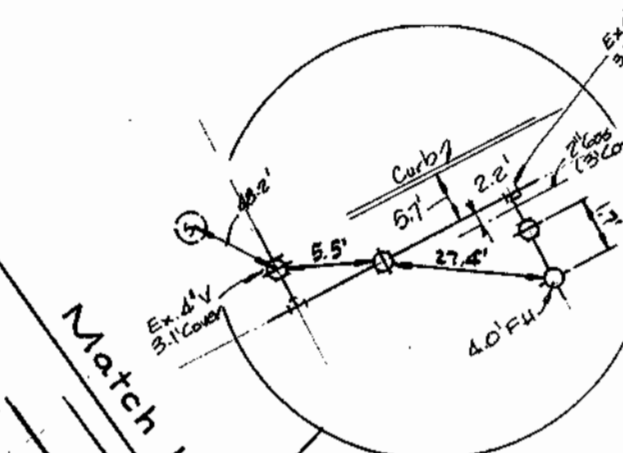
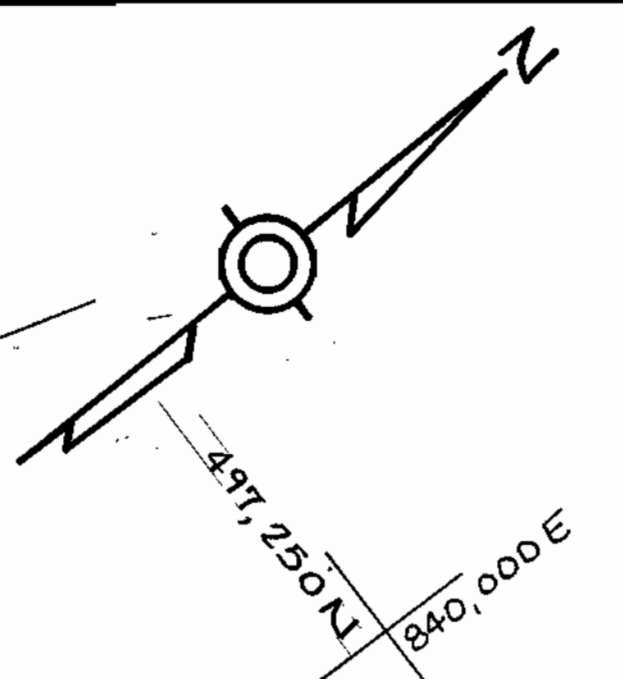
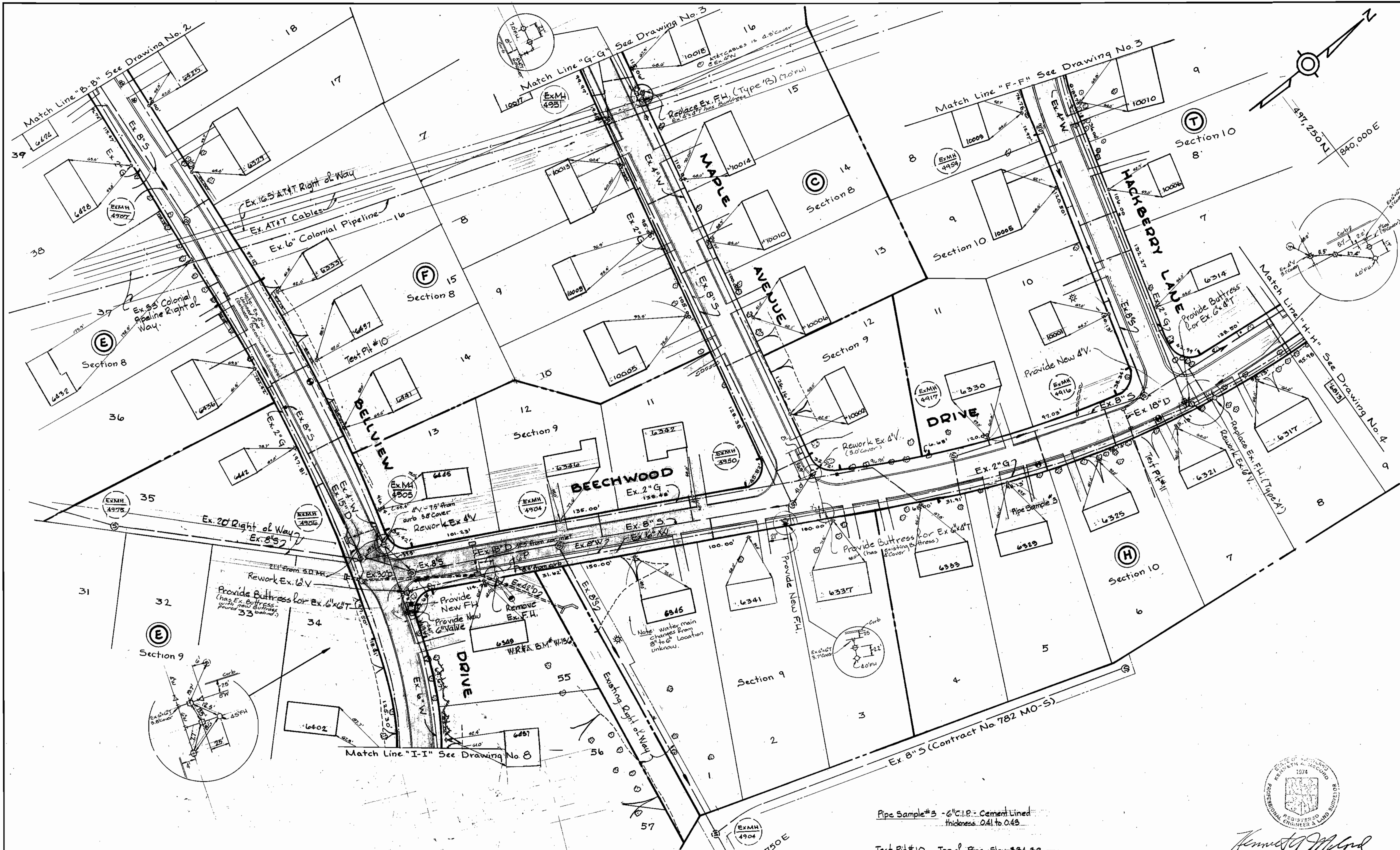
Scale 1"=20'  
CONNECTION TO EX. 12" W AT OWEN BROWN ROAD



PROFILE  
Scale: Horizontal 1"=100'  
Vertical 1"=10'

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND James J. Gless, 2/1/80 CHIEF - BUREAU OF UTILITIES - DATE W. O. Lomas 2-4-80 CHIEF - BUREAU OF ENGINEERING - DATE		W.R.&A. B.M. # P.J.-1 Elev. 316.90 5' cut on Inlet West side Beechwood Road.		PLAN Scale 1"=50'		STATE OF MARYLAND KENNETH A. MCCORD 1974 REGISTERED ENGINEER & LAND SURVEYOR Kenneth A. McCord	
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND		DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND Henry F. Nemmer DIRECTOR OF PUBLIC WORKS		CONTRACT NO. 886-W PROJECT NO. W-5-8079		ELECTION DISTRICT GUILFORD NO. 6	
W.O. 7568-2		DATE 2-5-86		DRAWING NO. 4 OF 14		SCALE AS SHOWN 496-481 496-480 497-481 497-480	

WS 886-W/4



Pipe Sample #3 - 6" C.I.P. - Cement Lined  
thickness 0.41 to 0.43

Test Pit #10 Top of Pipe Elev. 334.38  
2.5' Cover

Test Pit #11 Top of Pipe Elev. 335.25  
2.5' Cover



*Kenneth M. Lind*

Allview Water  
Project No. W-5-8079  
Contract No. 886-W

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND  
*James L. Ellis* 2/1/80  
CHIEF - BUREAU OF UTILITIES - DATE

WHITMAN, REQUARDT & ASSOCIATES  
ENGINEERS  
1304 ST. PAUL ST.  
BALTIMORE, MARYLAND

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND  
*George F. Nimmer*  
DIRECTOR OF PUBLIC WORKS

CONTRACT NO. 886-W  
PROJECT NO. W-5-8079

PLAN OF  
WATER MAIN

ELECTION DISTRICT  
GUILFORD NO. 6

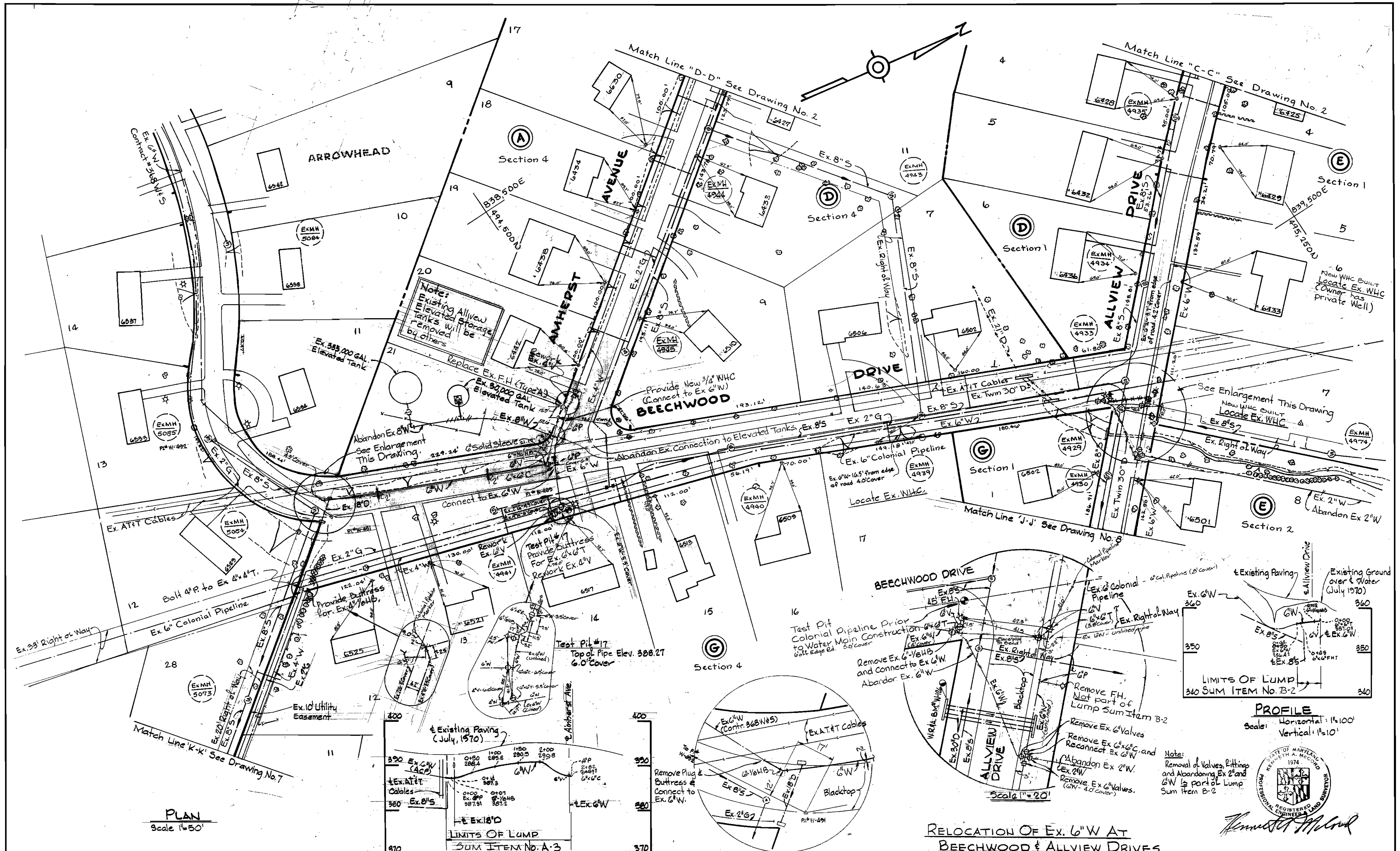
DRAWING NO. 5 OF 14	SCALE 1" = 50'	496-481 495-480
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W.O. 7568-2

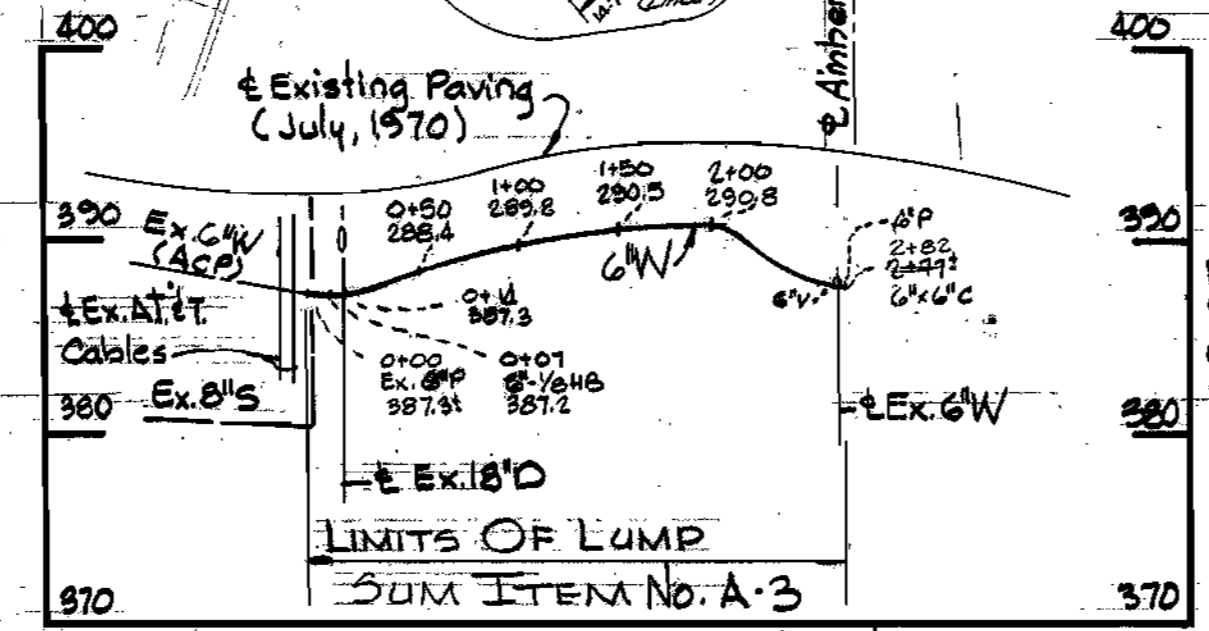
FB# 4622, 4623

AS-BUILT! JULY 2, 1981

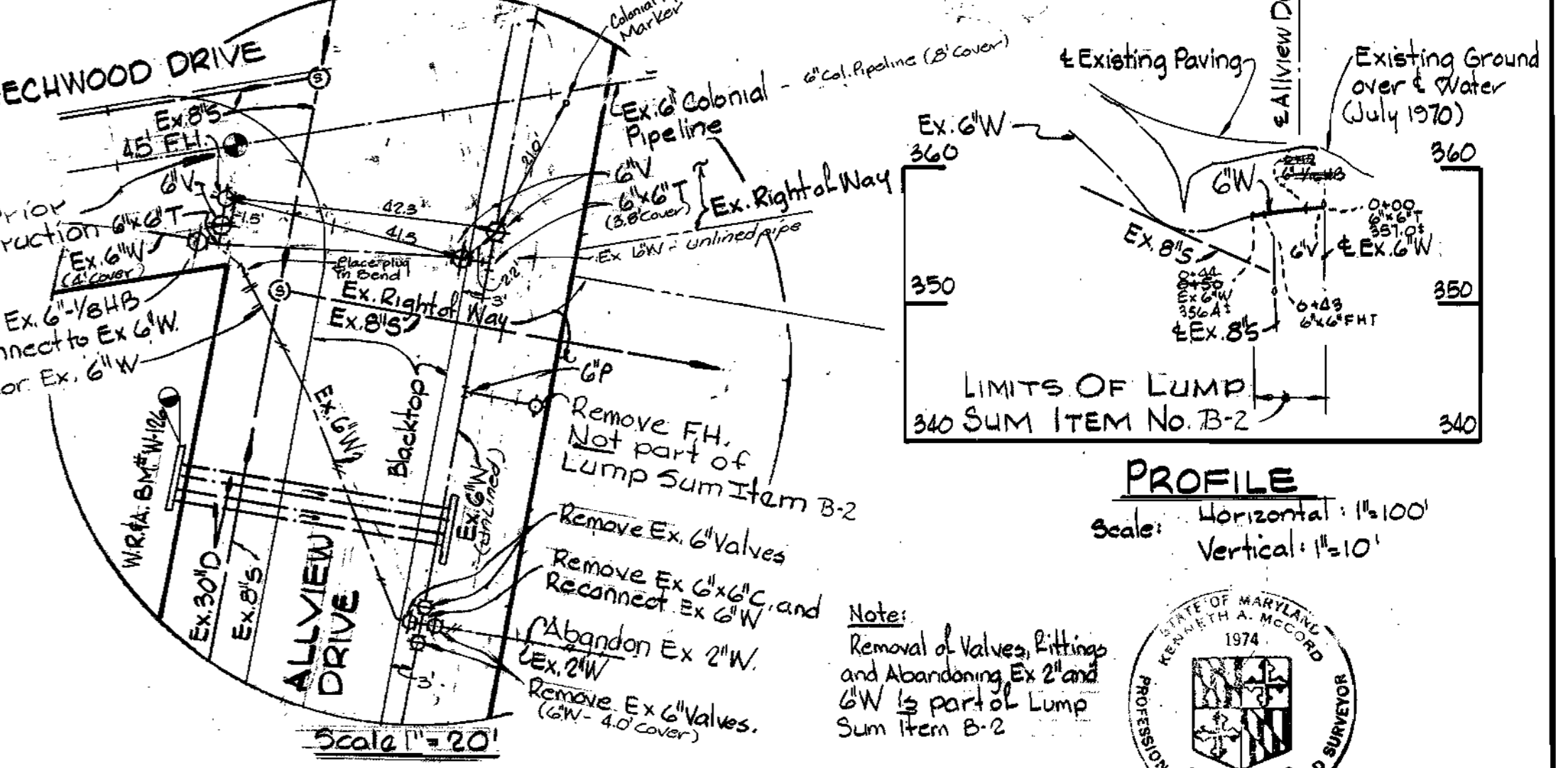
WS 886-W/5



**PLAN**  
Scale 1"=50'



**PROFILE** Scale: Horizontal 1"=100' Vertical 1"=10'



**RELOCATION OF EX. 6\"/>**

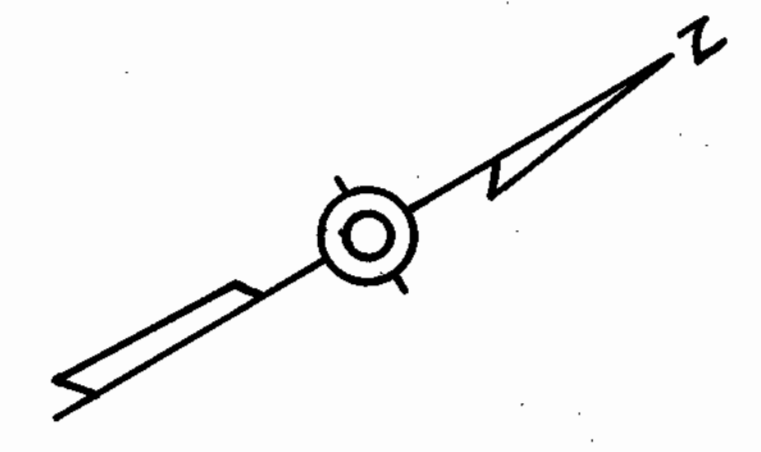
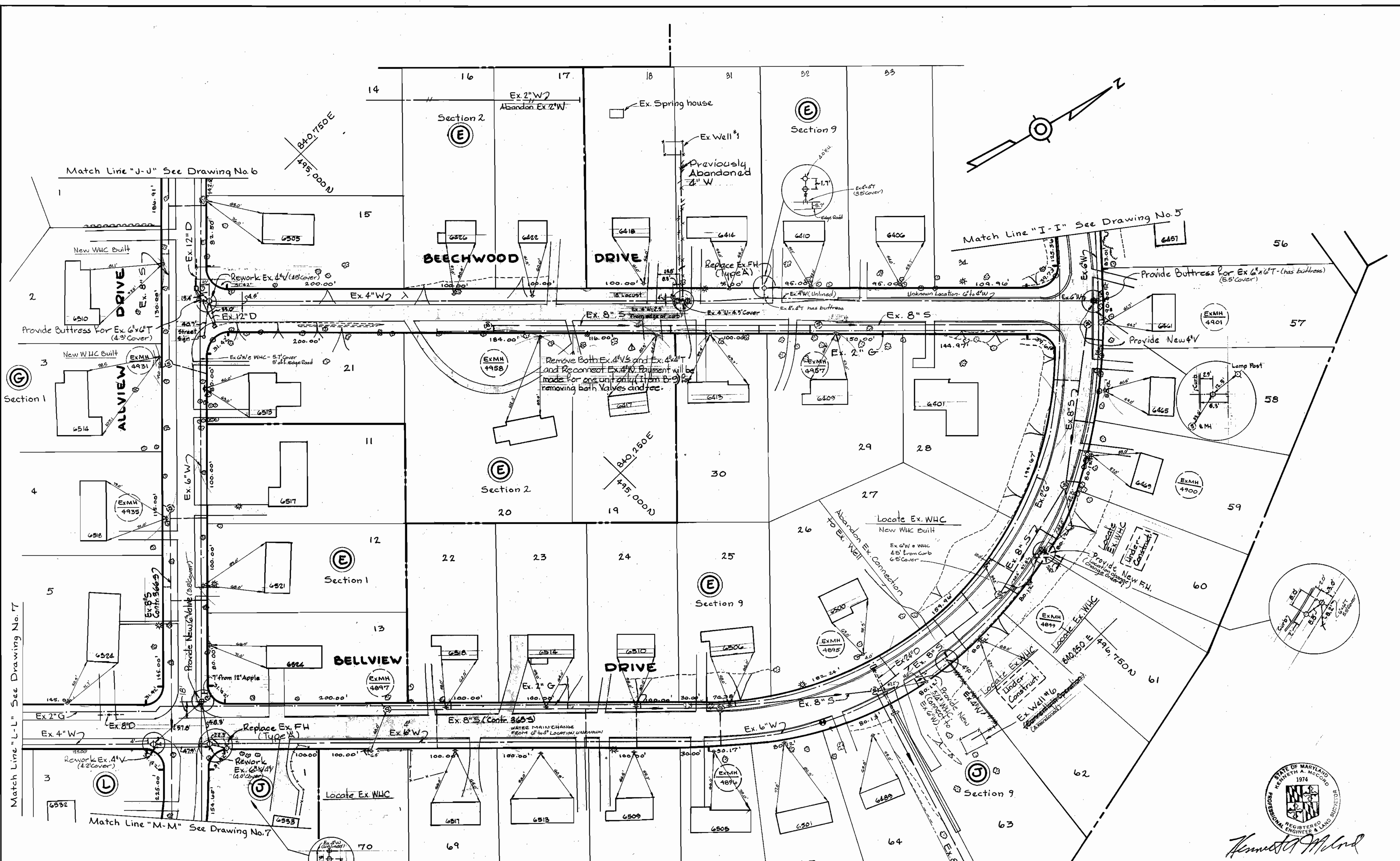


*Kenneth M. Wood*

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND Chief Engineer: <i>W. O. F. Nunn</i> 2-4-80 CHIEF-BUREAU OF UTILITIES-DATE CHIEF-BUREAU OF ENGINEERING-DATE		DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND Director: <i>W. O. F. Nunn</i> 2-5-80 DIRECTOR OF PUBLIC WORKS DATE		CONTRACT NO. 886-W PROJECT NO. W-5-8079	PLAN AND PROFILE OF WATER MAIN	ELECTION DISTRICT GUILFORD NO. 6	DRAWING NO. 6 OF 14 SCALE AS SHOWN	494-480 495-480
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WS 886-W/6





DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND  
James L. Blair, Chief-Bureau of Utilities-DATE  
WHITMAN, REQUARDT & ASSOCIATES  
ENGINEERS  
1304 ST. PAUL ST.  
BALTIMORE, MARYLAND

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND  
John F. Neuman, Director of Public Works  
3-5-80  
DATE

CONTRACT NO. 886-W  
PROJECT NO. W-5-8079

PLAN OF  
WATER MAIN

ELECTION DISTRICT  
GUILFORD NO. 6

DRAWING NO. 8 OF 14  
SCALE 1" = 50'  
494-480  
495-480  
496-481

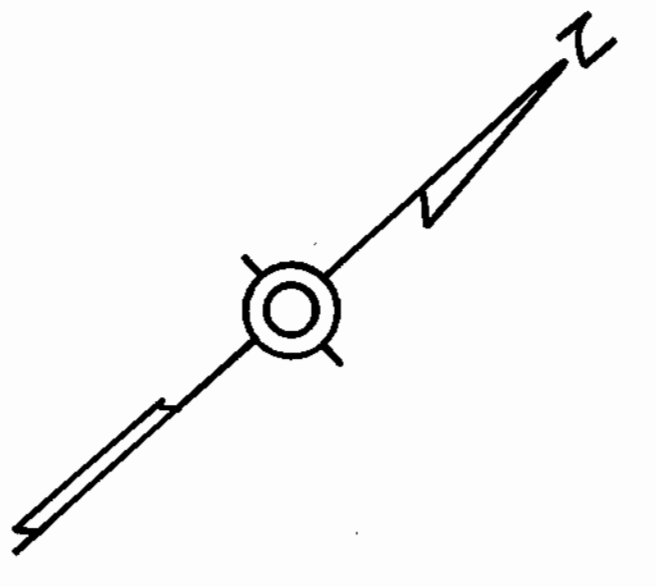
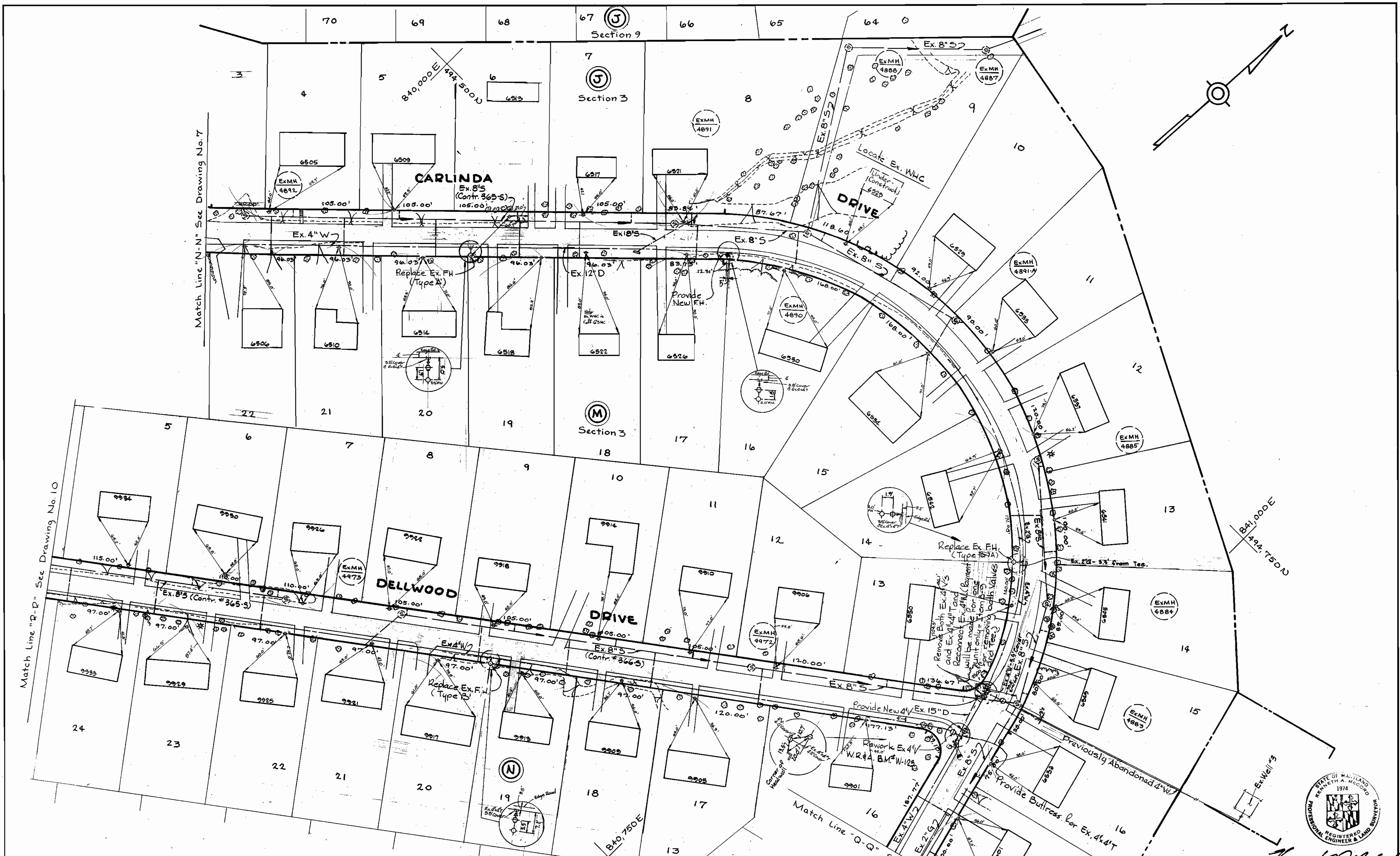


Kenneth A. McLeod  
REGISTERED PROFESSIONAL ENGINEER & LAND SURVEYOR

Allview Water  
Project No. W-5-8079  
Contract No. 886-W

WS 886-W/8





*Kenneth A. Wood*  
 Allview Water  
 Project No. W-5-8079  
 Contract No. 886-W

DEPARTMENT OF PUBLIC WORKS  
 HOWARD COUNTY, MARYLAND  
*James F. Nunn*  
 CHIEF BUREAU OF UTILITIES - DATE 2-5-80  
 CHIEF BUREAU OF ENGINEERING - DATE 2-4-80

WHITMAN, REQUARDT & ASSOCIATES  
 ENGINEERS  
 1304 ST. PAUL ST.  
 BALTIMORE, MARYLAND

DEPARTMENT OF PUBLIC WORKS  
 HOWARD COUNTY, MARYLAND  
*James F. Nunn*  
 DIRECTOR OF PUBLIC WORKS  
 DATE 2-5-80

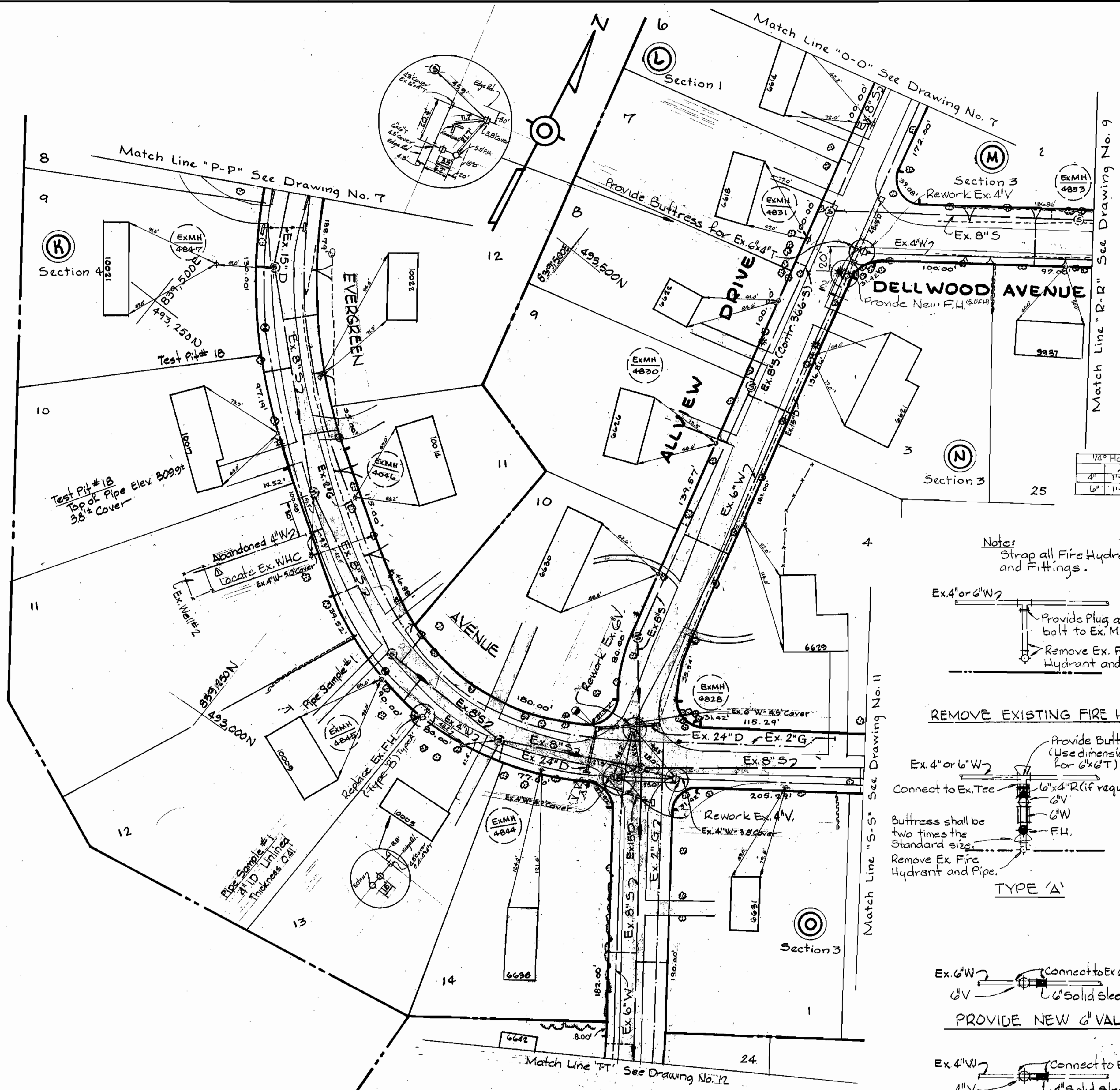
CONTRACT NO. 886-W  
 PROJECT NO. W-5-8079

PLAN OF  
 WATER MAIN

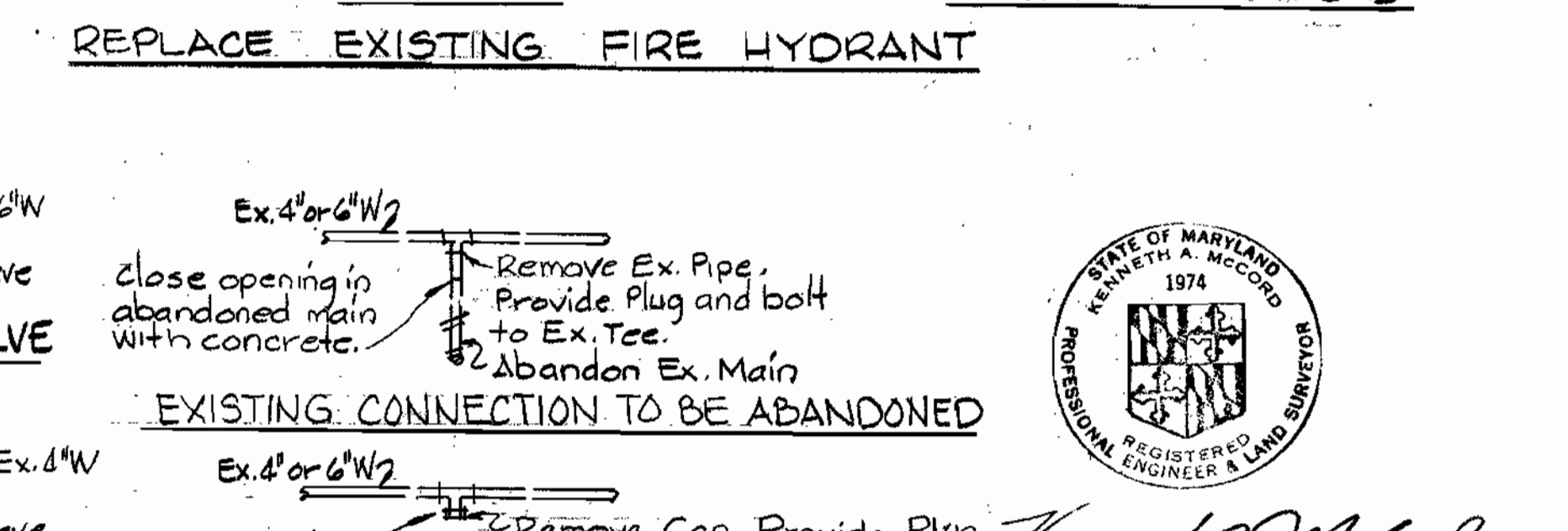
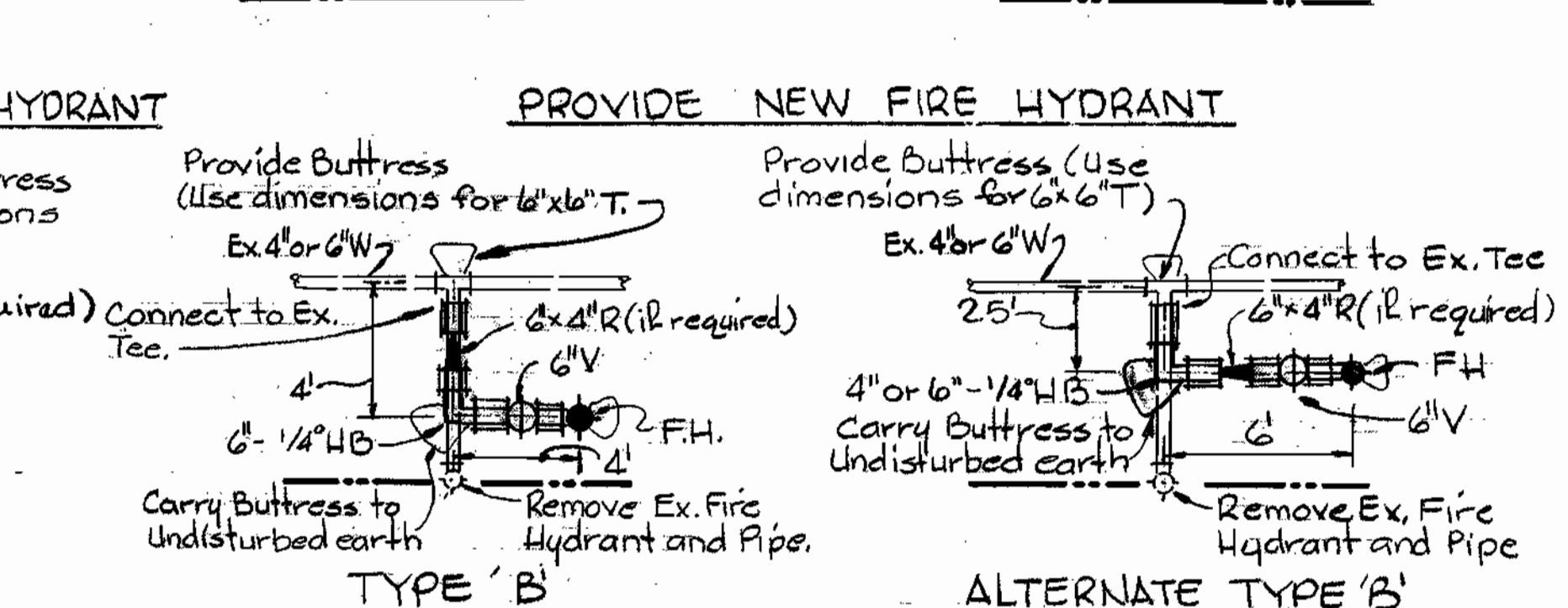
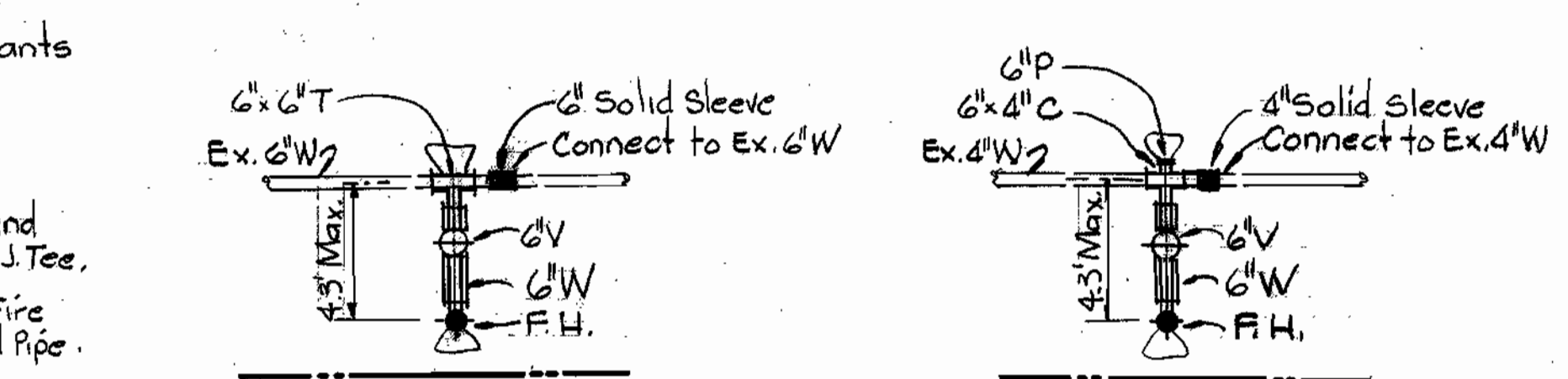
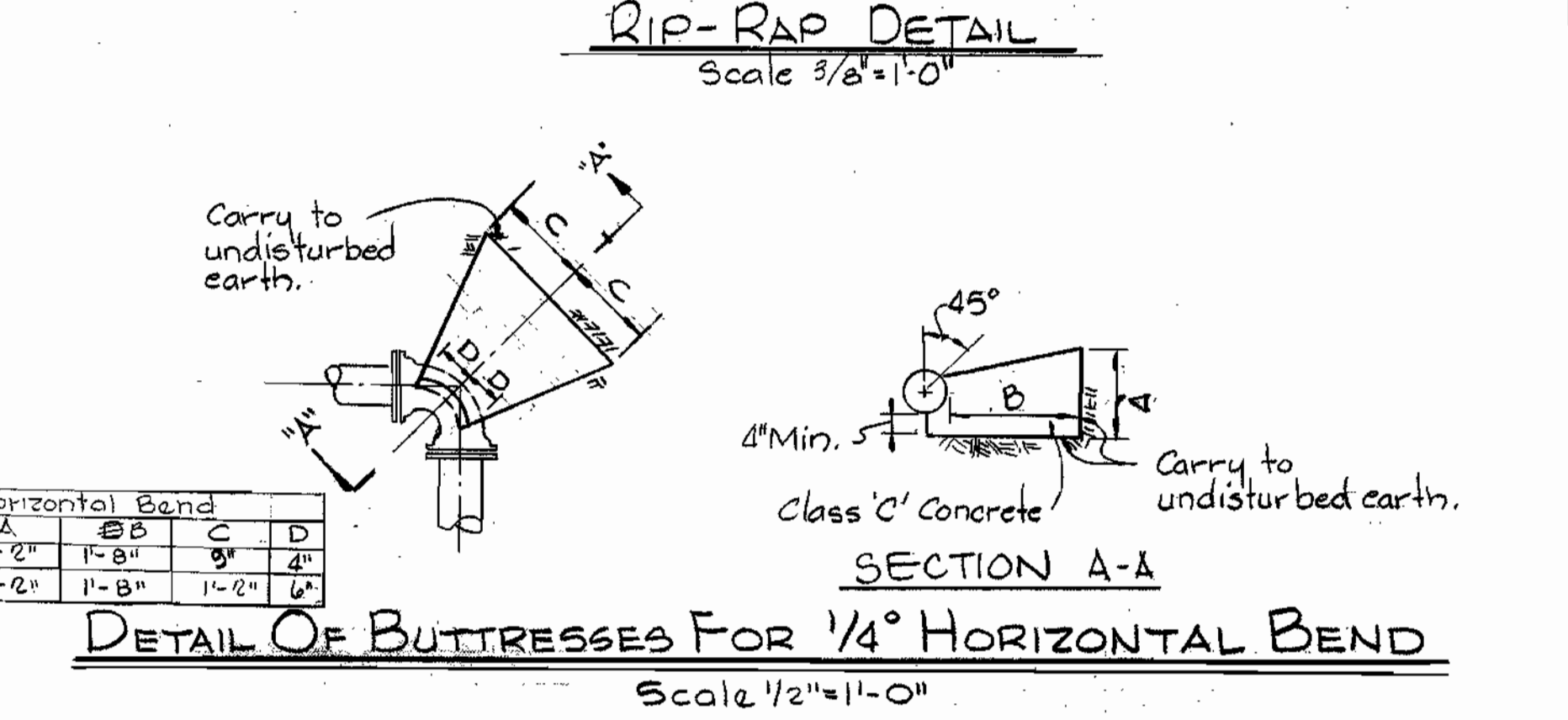
ELECTION DISTRICT  
 GUILFORD NO. 6

DRAWING NO. 9 OF 14  
 SCALE 1" = 50'  
 494-491

WS 886-W/9



- RIP-RAP NOTES**
- Erosion Control fabric shall be Poly Filter-X as manufactured by Cartridge Mills, Inc., Erosion Control Division, 124 West 66<sup>th</sup> Street, Cincinnati, Ohio; Laurel Erosion Control Cloth as manufactured by Laurel Plastic, Inc., Madison, Maine, or approved equal.
  - Rip-Rap shall be placed 6' minimum each side of sewer or as shown.
  - Cost of Rip-Rap shall be included in bid prices for appropriate Lump Sum Item.



DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND  
James T. Glavin, Chief - Bureau of Engineering - DATE 2-5-80  
Whitman, Requardt & Associates Engineers  
1304 ST. PAUL ST.  
BALTIMORE, MARYLAND

WR#A BM#11 Elev. 513.29  
cut corner concrete slab  
Storm Drain cover  
DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND  
Director of Public Works  
DATE 2-5-80

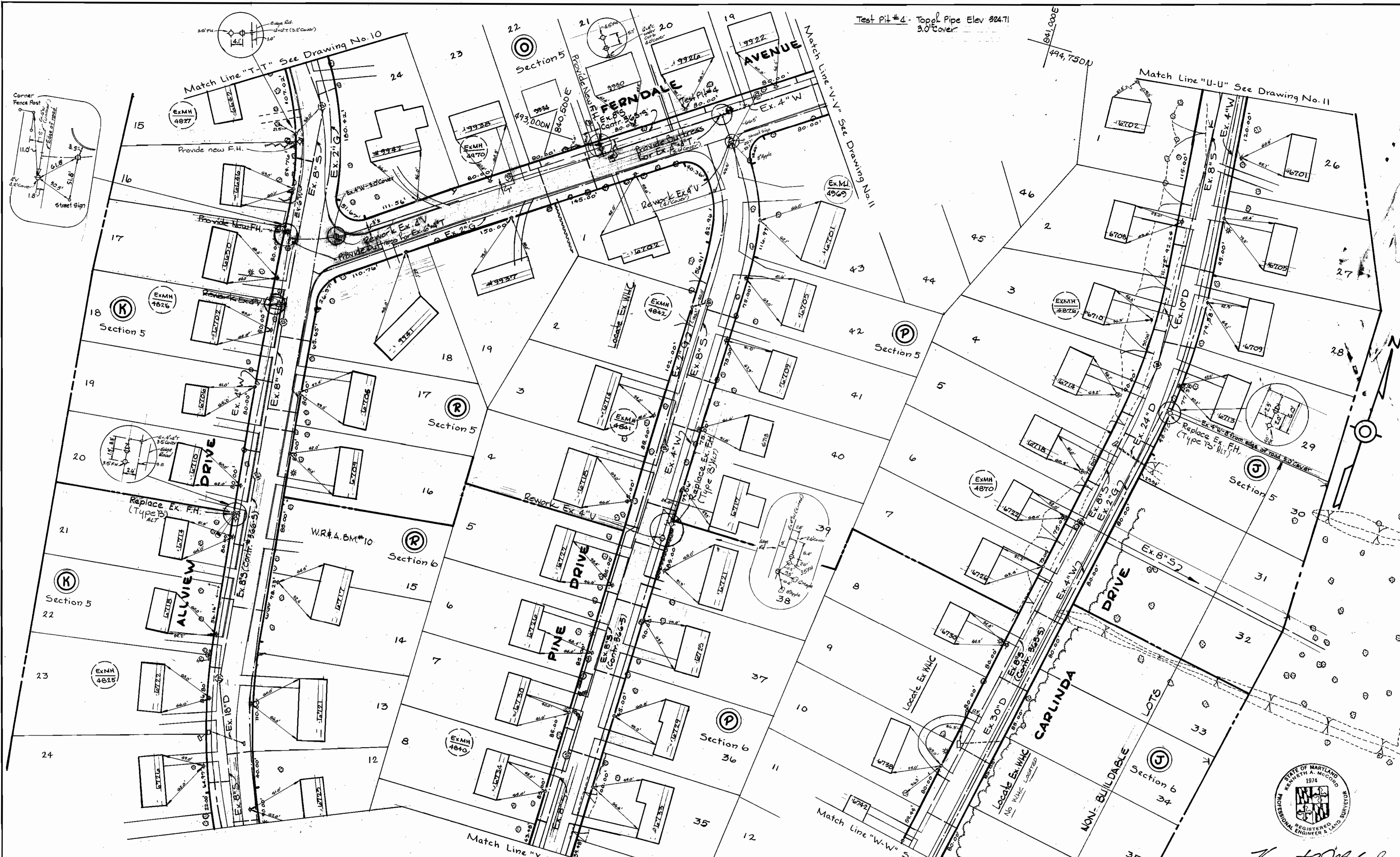
**PLAN**  
Scale 1"=50'

CONTRACT NO. 886-W  
PROJECT NO. W-5-8079  
PLAN AND DETAILS  
OF WATER MAIN

ELECTION DISTRICT  
GUILFORD NO. 6  
DRAWING NO. 10  
OF 14

Allview Water  
Project No. W-5-8079  
Contract No. 886-W  
4-93-480  
4-93-481  
SCALE AS SHOWN

WS 886-W/10



DEPARTMENT OF PUBLIC WORKS  
 HOWARD COUNTY, MARYLAND  
*James L. Ellis* 2/1/80 *W. O. T. 2-4-80*  
 CHIEF - BUREAU OF UTILITIES - DATE CHIEF - BUREAU OF ENGINEERS - DATE

WR#4 B.M.#10 Elev. 308.87  
 Road Side Flange Bolt Fire Hydrant - Allview Drive

WHITMAN, REQUARDT & ASSOCIATES  
 ENGINEERS  
 1304 ST. PAUL ST.  
 BALTIMORE, MARYLAND

DEPARTMENT OF PUBLIC WORKS  
 HOWARD COUNTY, MARYLAND  
*William F. Newman*  
 DIRECTOR OF PUBLIC WORKS  
 2-5-80  
 DATE

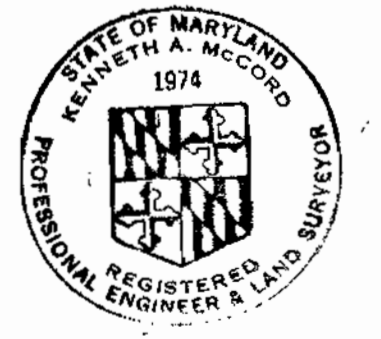
CONTRACT NO. 886-W  
 PROJECT NO. W-5-8079

PLAN OF  
 WATER MAIN

ELECTION DISTRICT  
 GUILFORD NO.6

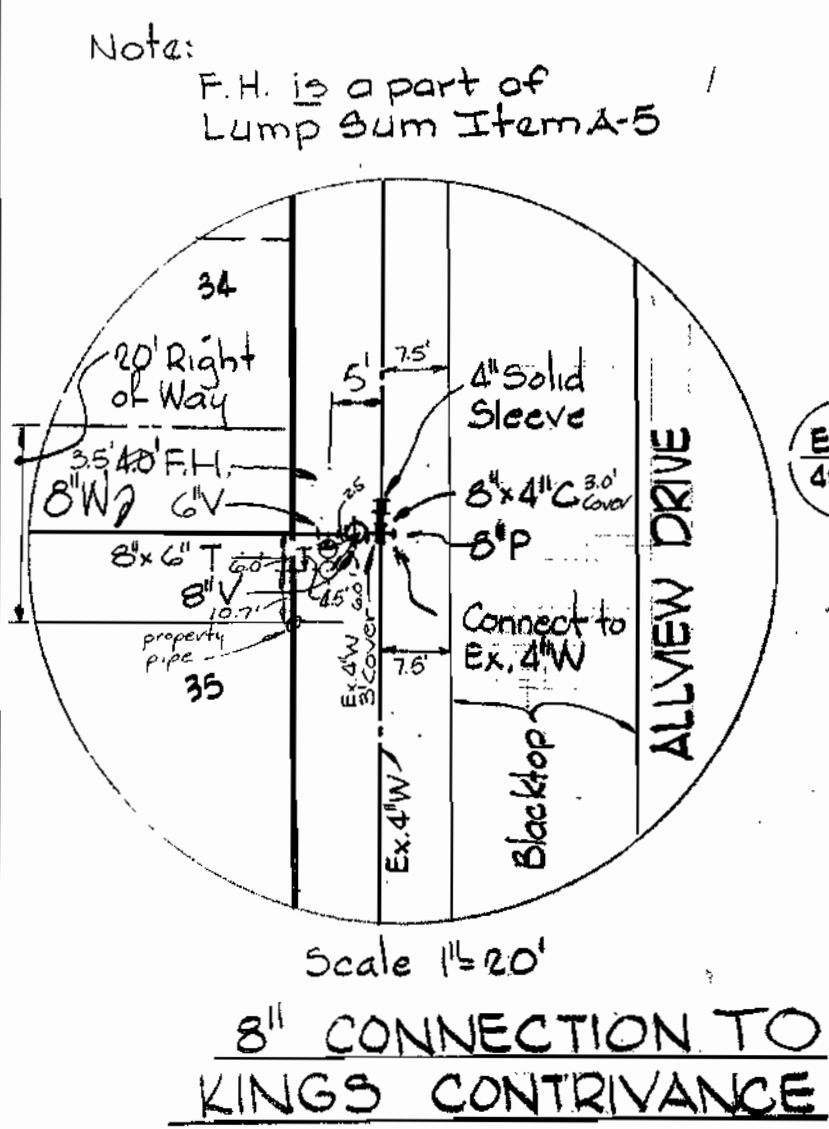
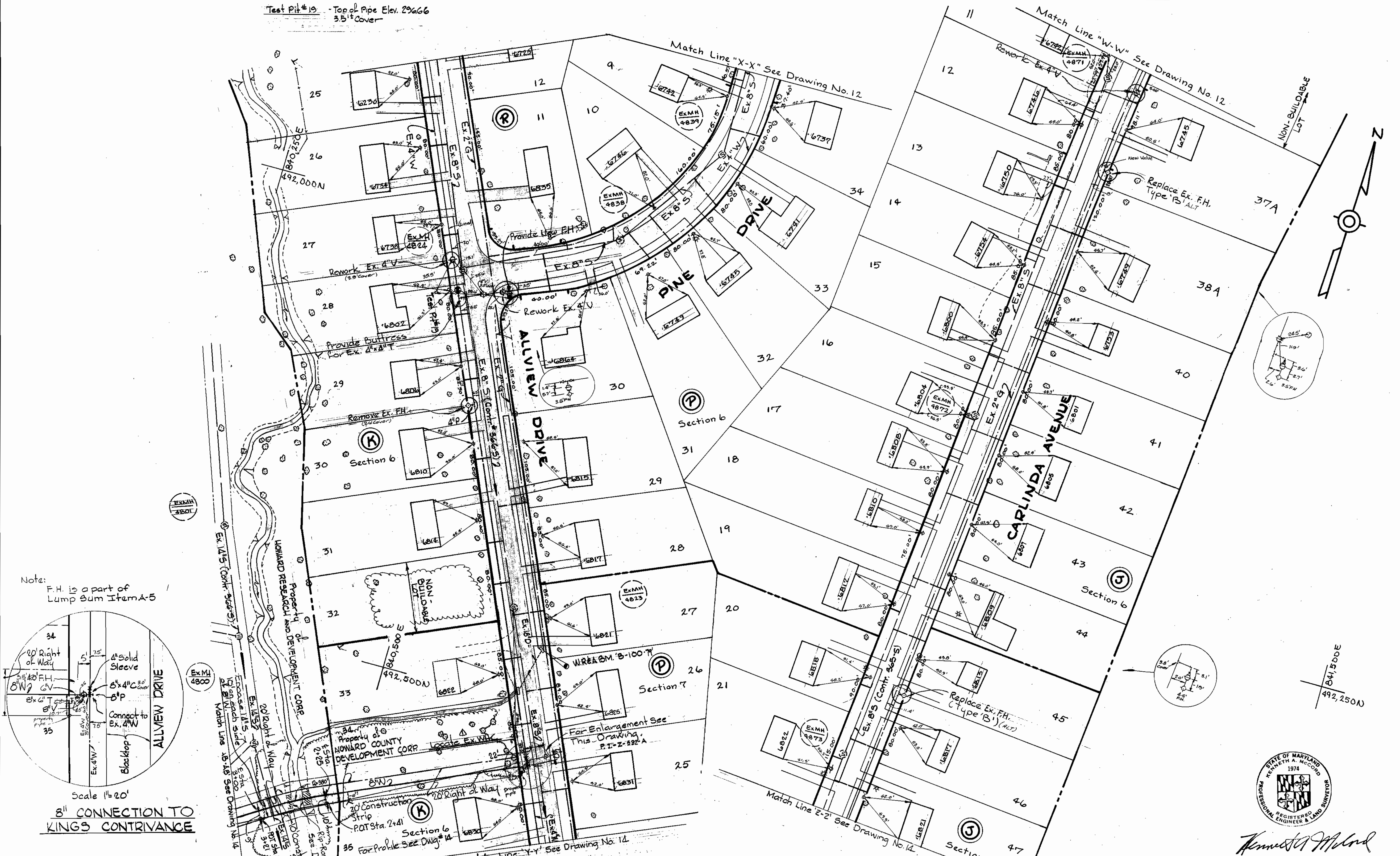
DRAWING NO. 12 OF 14  
 SCALE 1" = 50'  
 492-481  
 493-481

WS 886-W/12



*Kenneth A. McCord*  
 Allview Water  
 Project No. W-5-8079  
 Contract No. 886-W

Test Pit #19 - Top of Pipe Elev. 29666  
3.5" cover



DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND  
CHIEF BUREAU OF UTILITIES - DATE  
CHIEF BUREAU OF ENGINEERING - DATE

WHITMAN, REQUARDT & ASSOCIATES  
ENGINEERS  
1304 ST. PAUL ST.  
BALTIMORE, MARYLAND

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND  
DIRECTOR OF PUBLIC WORKS

Revised WHC  
No. Date Reviser

WR&A. BIM# B-100-75 Elev. 287.23  
in metal corner of Inlet.

CONTRACT NO. 886-W  
PROJECT NO. W-5-8079

PLAN OF  
WATER MAIN

ELECTION DISTRICT  
GUILFORD NO. 6

DRAWING  
NO. 13  
OF 14

SCALE  
1"=50'

491-481

AS BUILT JULY 2, 1981



WS 886-W/13

