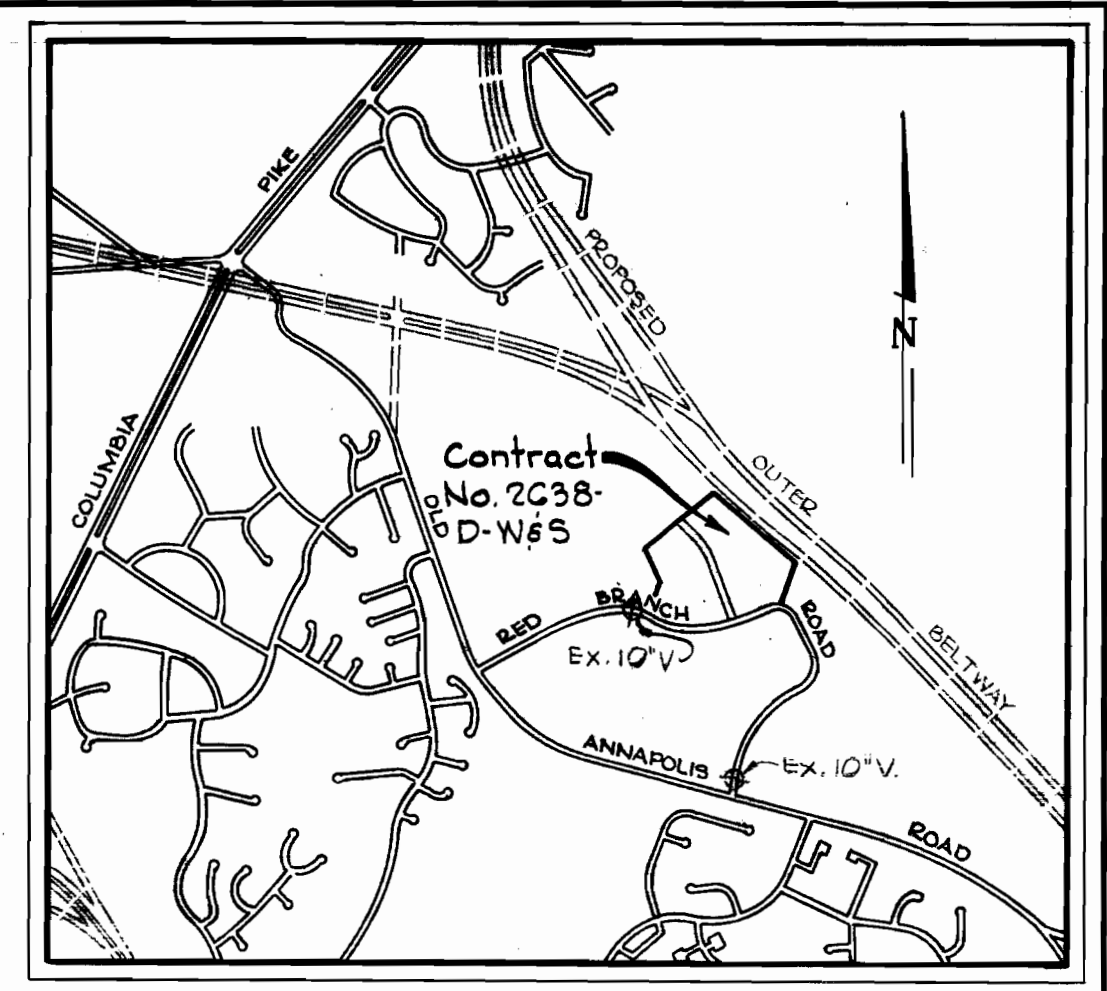


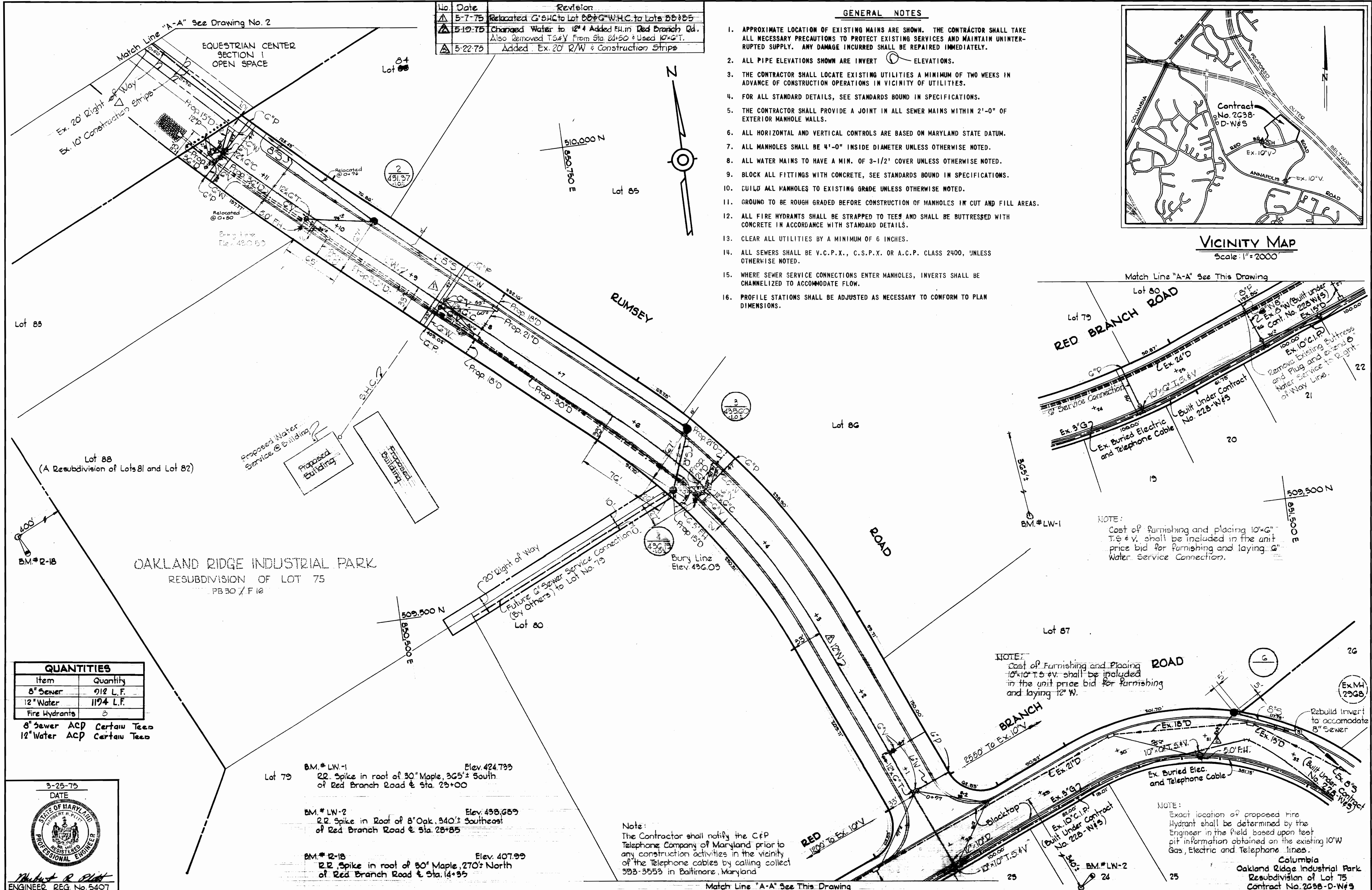
No.	Date	Revision
1	5-7-75	Relocated G.S.H.C. to Lot 80 & G.W.H.C. to Lots 81 & 82
2	5-12-75	Changed Water to 12" & Added F.H. in Red Branch Rd. Also Removed T.S.V. from Sta. 24+50 & Used 10" G.T.
3	5-22-75	Added Ex. 20' R/W & Construction Strips

**GENERAL NOTES**

- APPROXIMATE LOCATION OF EXISTING MAINS ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING 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.
- FOR ALL STANDARD DETAILS, SEE STANDARDS BOUND IN SPECIFICATIONS.
- THE CONTRACTOR SHALL PROVIDE A JOINT IN ALL SEWER MAINS WITHIN 2'-0" OF EXTERIOR MANHOLE WALLS.
- ALL HORIZONTAL AND VERTICAL CONTROLS ARE BASED ON MARYLAND STATE DATUM.
- ALL MANHOLES SHALL BE 4'-0" INSIDE DIAMETER UNLESS OTHERWISE NOTED.
- ALL WATER MAINS TO HAVE A MIN. OF 3-1/2' COVER UNLESS OTHERWISE NOTED.
- BLOCK ALL FITTINGS WITH CONCRETE, SEE STANDARDS BOUND IN SPECIFICATIONS.
- BUILD ALL MANHOLES TO EXISTING GRADE UNLESS OTHERWISE NOTED.
- GROUND TO BE ROUGH GRADED BEFORE CONSTRUCTION OF MANHOLES IN CUT AND FILL AREAS.
- ALL FIRE HYDRANTS SHALL BE STRAPPED TO TEES AND SHALL BE BUTTRESSED WITH CONCRETE IN ACCORDANCE WITH STANDARD DETAILS.
- CLEAR ALL UTILITIES BY A MINIMUM OF 6 INCHES.
- ALL SEWERS SHALL BE V.C.P.X., C.S.P.X. OR A.C.P. CLASS 2400, UNLESS OTHERWISE NOTED.
- WHERE SEWER SERVICE CONNECTIONS ENTER MANHOLES, INVERTS SHALL BE CHANNELIZED TO ACCOMMODATE FLOW.
- PROFILE STATIONS SHALL BE ADJUSTED AS NECESSARY TO CONFORM TO PLAN DIMENSIONS.



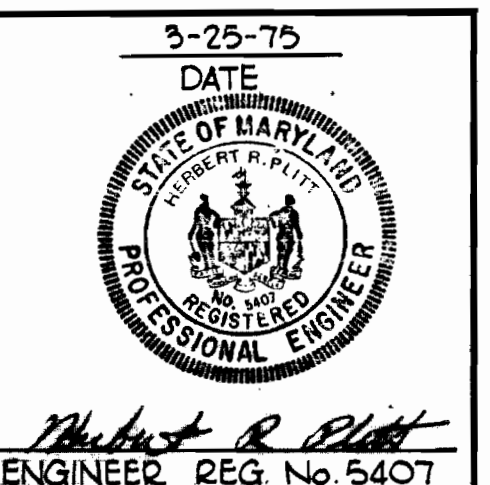
**VICINITY MAP**  
Scale: 1" = 2000'



**QUANTITIES**

Item	Quantity
8" Sewer	912 L.F.
12" Water	1194 L.F.
Fire Hydrants	3

8" Sewer ACP Certain Teed  
12" Water ACP Certain Teed



- BM.# LW-1 Elev. 424.735  
2.R. Spike in root of 30' Maple, 365'± South of Red Branch Road & Sta. 25+00
- BM.# LW-2 Elev. 438.665  
2.R. Spike in Root of 8' Oak, 340'± Southeast of Red Branch Road & Sta. 28+85
- BM.# 12-15 Elev. 407.99  
2.R. Spike in root of 30' Maple, 270'± North of Red Branch Road & Sta. 14+35

Note:  
The Contractor shall notify the C&P Telephone Company of Maryland prior to any construction activities in the vicinity of the Telephone cables by calling collect 393-3553 in Baltimore, Maryland

NOTE:  
Cost of Furnishing and Placing 10"x10" T.S.V. shall be included in the unit price bid for furnishing and laying 12" W.

NOTE:  
Exact location of proposed fire Hydrant shall be determined by the Engineer in the field based upon test pit information obtained on the existing 10" W Gas, Electric and Telephone lines.

CENTURY ENGINEERING, INC. CONSULTING ENGINEERS PLANNERS TOWSON, MARYLAND 21204	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND 5-26-75 DATE W O Pelt CHIEF - BUREAU OF ENGINEERING	CONTRACT NO. 638-D-W&S	PLAN OF WATER AND SEWER MAINS	COLUMBIA OAKLAND RIDGE INDUSTRIAL PARK ELECTION DISTRICT - ELLICOTT CITY NO. 2	DRAWING NO. 1 OF 2 SCALE AS SHOWN
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As Built, October 7, 1975

WS 638 W-5/1

