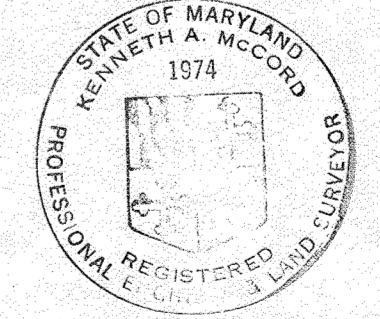


CONTRACT NO. 165 W & S
WATER AND SEWER EXTENSIONS
HOWARD COUNTY METROPOLITAN COMMISSION
ELLICOTT CITY, MARYLAND



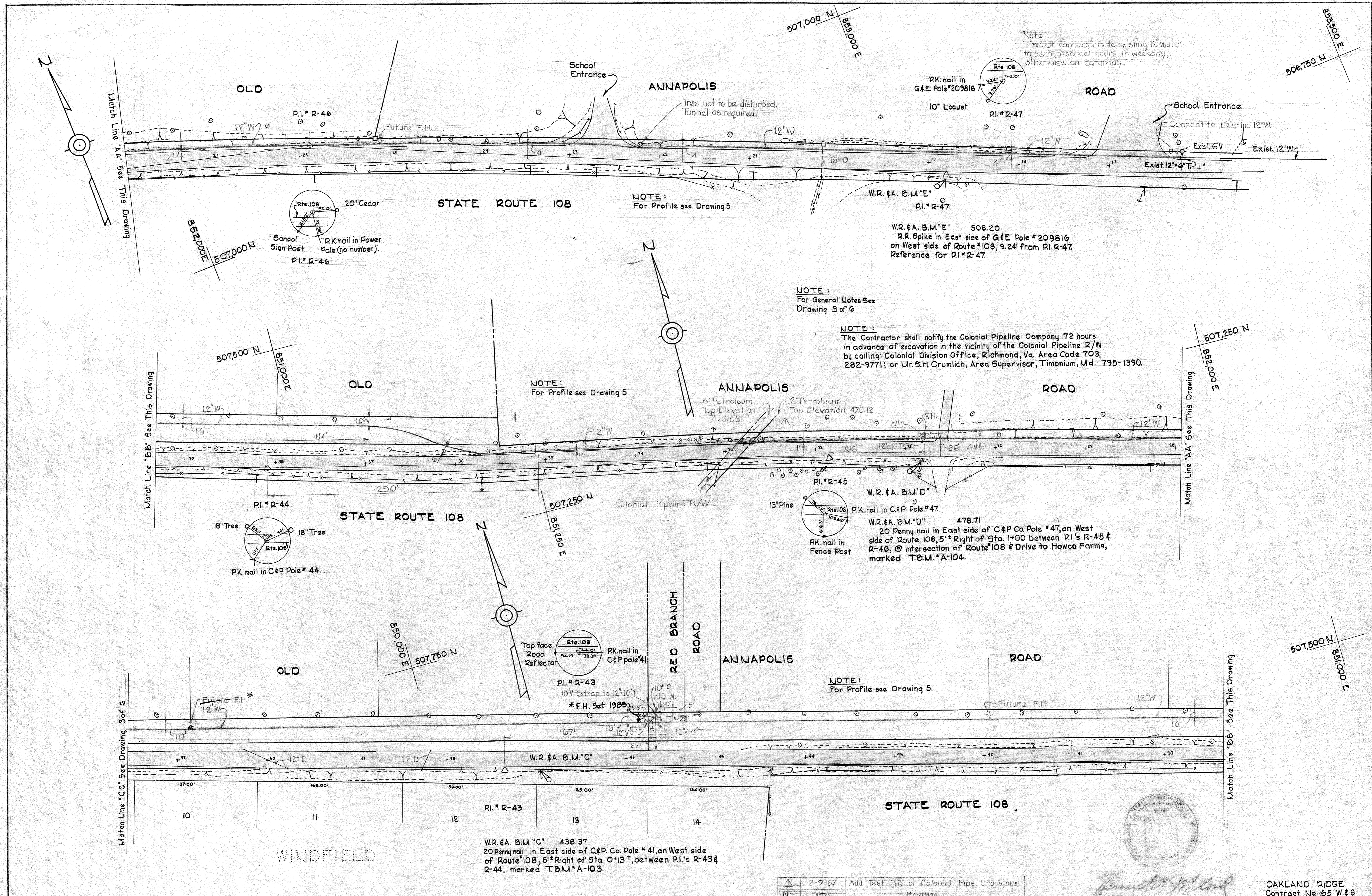
Kenneth A. McCord

Oakland Ridge
Contract No. 165 W & S

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION <i>4-4-67</i> <small>DATE</small> <i>W. O. Albert</i> <small>CHIEF ENGINEER</small>	CONTRACT NO. 165 W & S	LOCATION MAP	COLUMBIA OAKLAND RIDGE INDUSTRIAL PARK ELECTION DISTRICT - ELLICOTT CITY No. 2	DRAWING NO. 1 OF 6 <small>NO. 1 OF 6</small>	SCALE AS SHOWN
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165 W & S / 1 S.M. 591 S.M.

2 / S.M 591 SAM

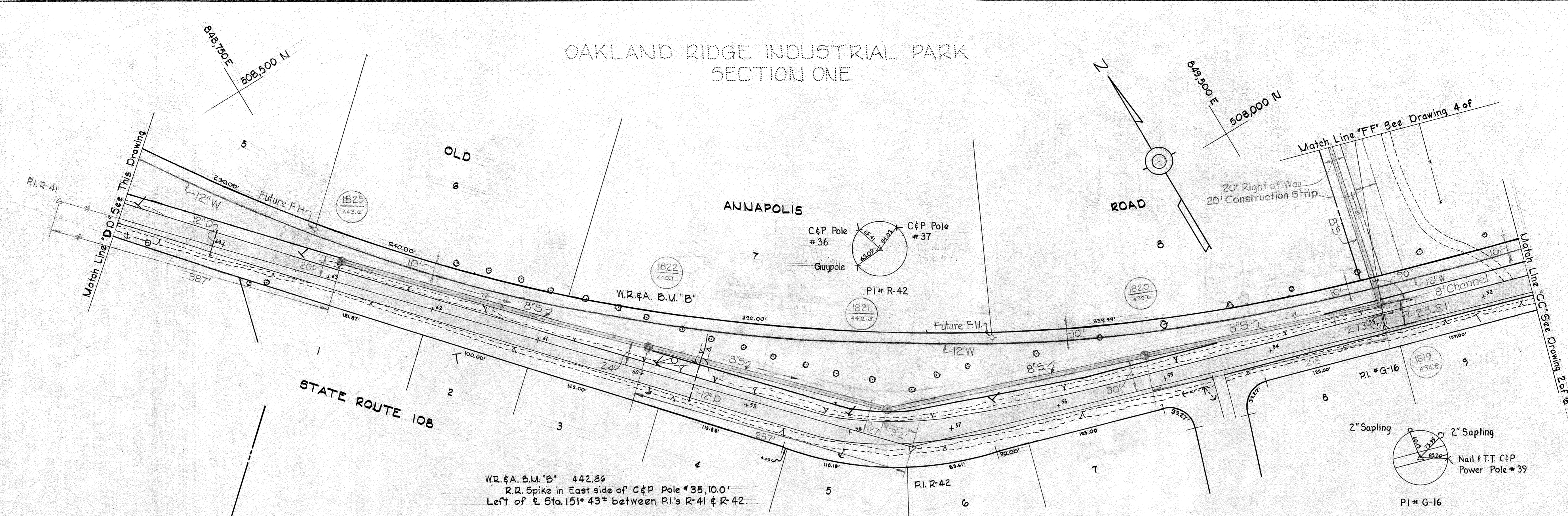


WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION DATE _____ CHIEF ENGINEER _____	CONTRACT NO. 165 W & S	PLAN OF WATER MAINS	COLUMBIA OAKLAND RIDGE INDUSTRIAL PARK ELECTION DISTRICT - ELLICOTT CITY No2	DRAWING NO. 2 OF 6	SCALE 1" = 50'
					506-488 507-480 507-487	

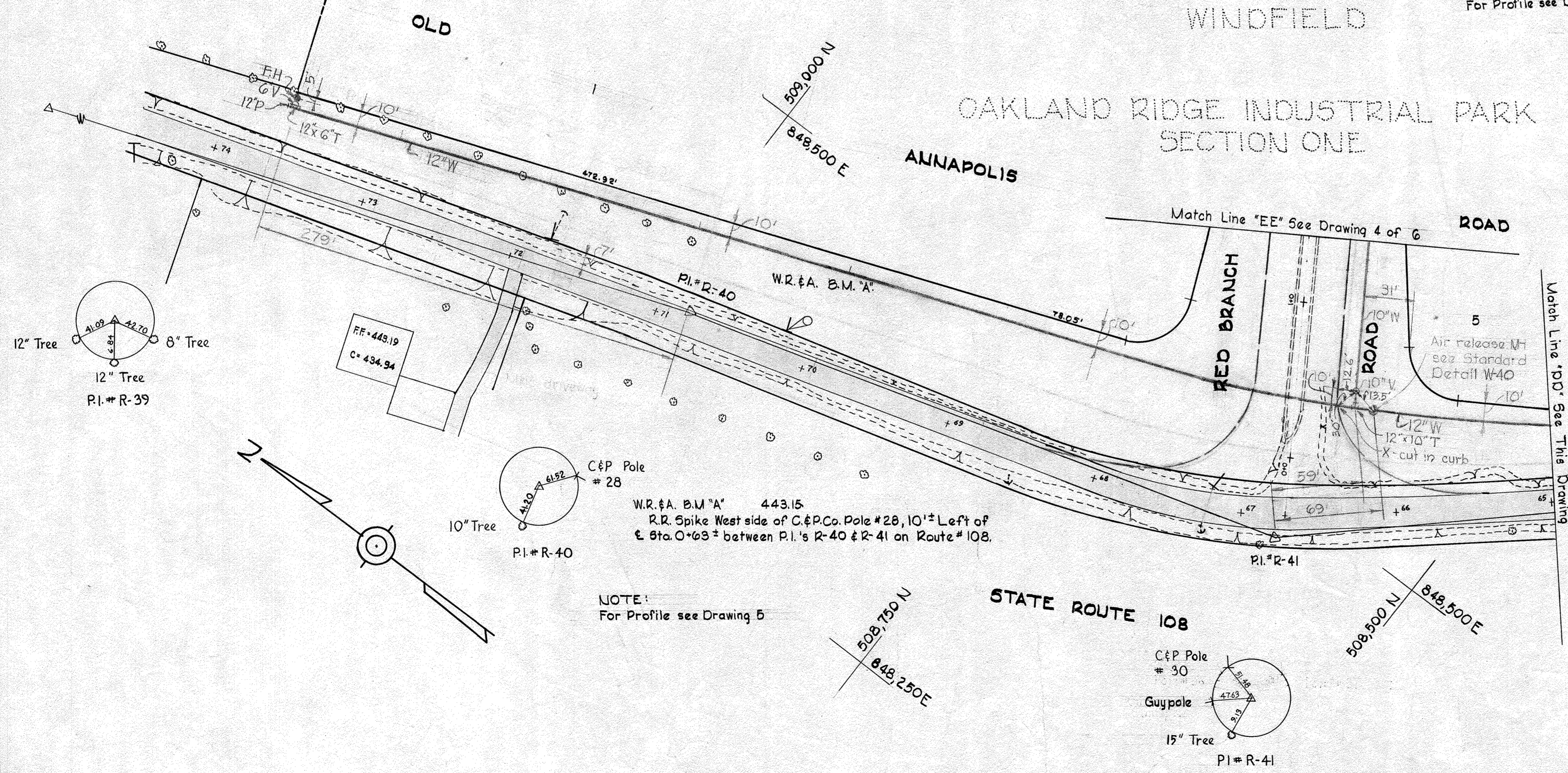
W.O. 5736 *F.H. ADDED 1982 20 JUNE 67 AS BUILT

MS 165 W&S/3

OAKLAND RIDGE INDUSTRIAL PARK SECTION ONE



OAKLAND RIDGE INDUSTRIAL PARK SECTION ONE



NOTE: For Profile see Drawing 5

NOTE: For Profile see Drawing 5

GENERAL NOTES

1. Approximate locations of existing utilities are shown. The Contractor shall take all necessary precautions to protect the existing utilities and to maintain uninterrupted service. Any damage incurred due to Contractors operations shall be repaired immediately at the Contractors expense.
2. All pipe elevations shown are invert elevations.
3. The Contractor shall test pit existing utilities, which will be encountered during construction, a minimum of two weeks in advance of operations.
4. For all details not shown on drawings see Standards bound in Specifications.
5. Trees are to be protected against damage to the maximum extent reasonable. Trees which are to remain in streets and other rights of way will be marked by the Engineer prior to commencing of construction operations.
6. Buttress all fittings with concrete, see Standards bound in Specifications.
7. All water mains to be cast iron pipe or ductile iron pipe.
8. Water house connections shall be laid 3/4 feet below existing grade.
9. Bury line elevations on fire hydrants shall be set the same as the edge of paving except where noted on the plans or directed by the Engineer.
10. Sewer Manholes shall be 4'-0" inside diameter except where otherwise noted.
11. A pipe joint shall be provided in each sewer main 2'-0" from the exterior of manhole walls.
12. Sewer house connections shall be 6" pipe sloped up at 2% from main sewer except where shown on plan as 1%.
13. All fire hydrants shall be buttressed with concrete in accordance with Standard Detail W-4.
14. Build all manholes 1'-6" above existing ground except where top elevations are noted on Plan & Profile. Provide 2' berm fill around manhole tops. See Detail Drawing No 4.

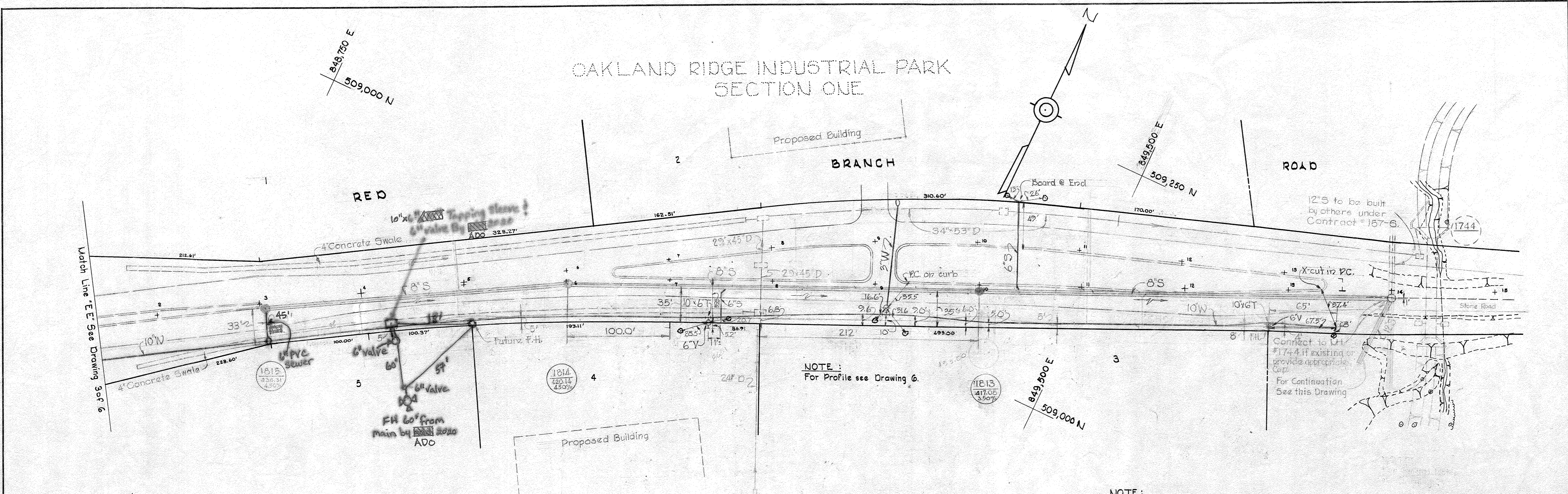
James M. L...
 OAKLAND RIDGE
 Contract No. 165 W & S

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION DATE _____ CHIEF ENGINEER _____	CONTRACT NO. 165 W & S	PLAN OF WATER AND SEWER MAINS	COLUMBIA OAKLAND RIDGE INDUSTRIAL PARK ELECTION DISTRICT - ELLICOTT CITY No 2	DRAWING NO. 3 OF 6	SCALE 1" = 50'	509-486 509-485 508-485 508-486 507-486
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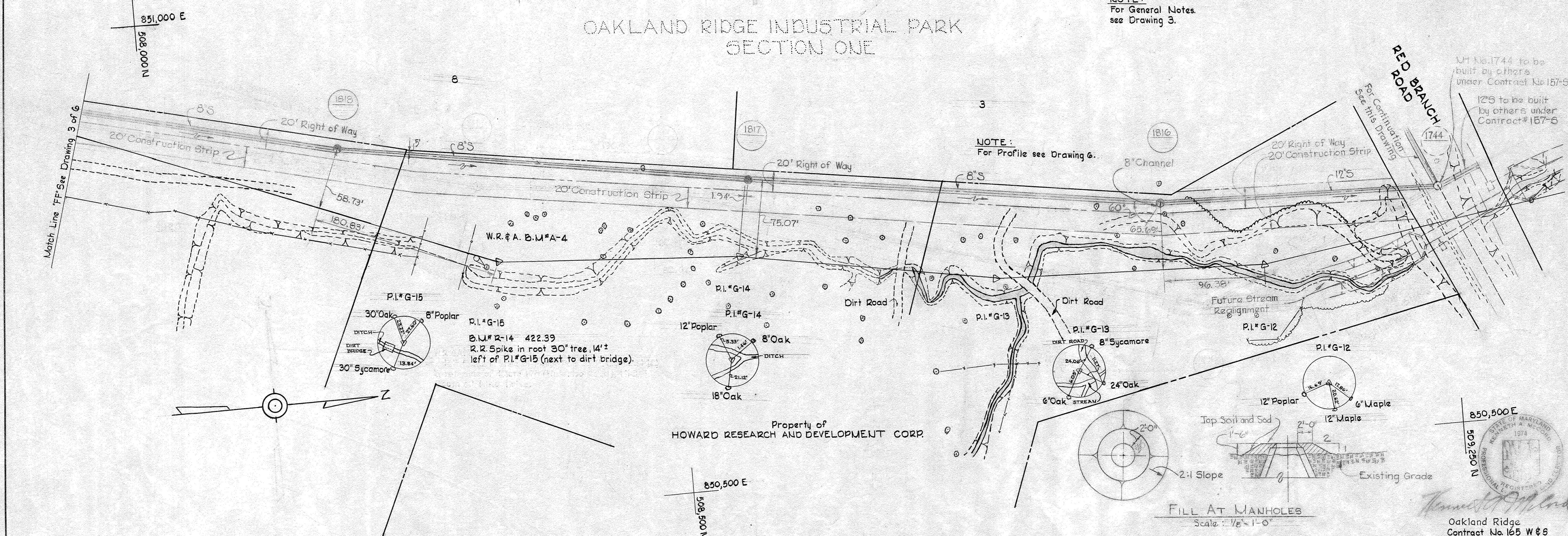
20 JUNE 67 AS BUILT FB 3639 FB 3742

WS 165 W/S/4

OAKLAND RIDGE INDUSTRIAL PARK SECTION ONE



OAKLAND RIDGE INDUSTRIAL PARK SECTION ONE



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

HOWARD COUNTY METROPOLITAN COMMISSION
DATE _____ CHIEF ENGINEER _____

CONTRACT NO. 165 W & S

PLAN OF WATER AND SEWER MAINS

COLUMBIA
OAKLAND RIDGE INDUSTRIAL PARK
ELECTION DISTRICT - ELLICOTT CITY No. 2

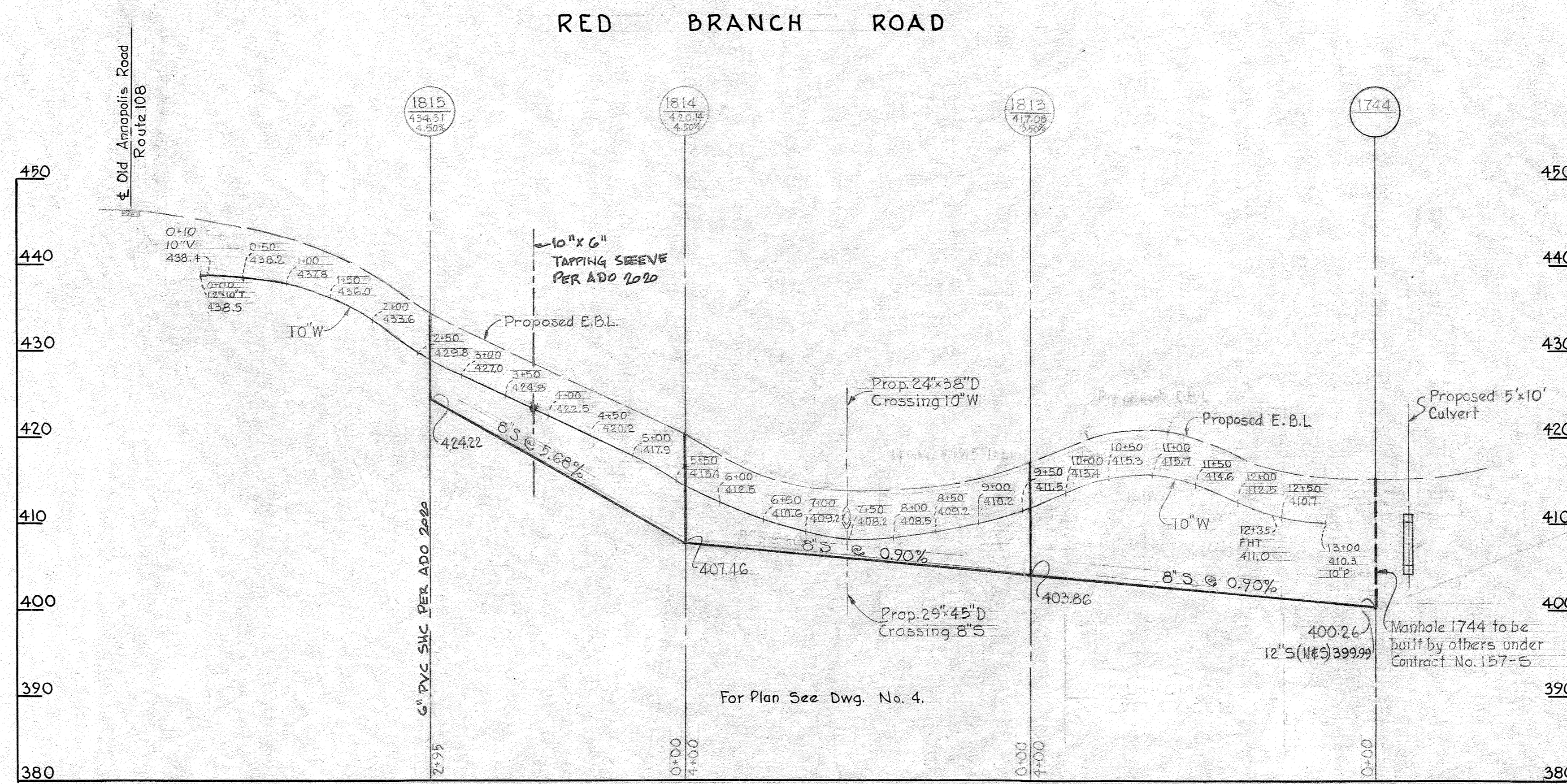
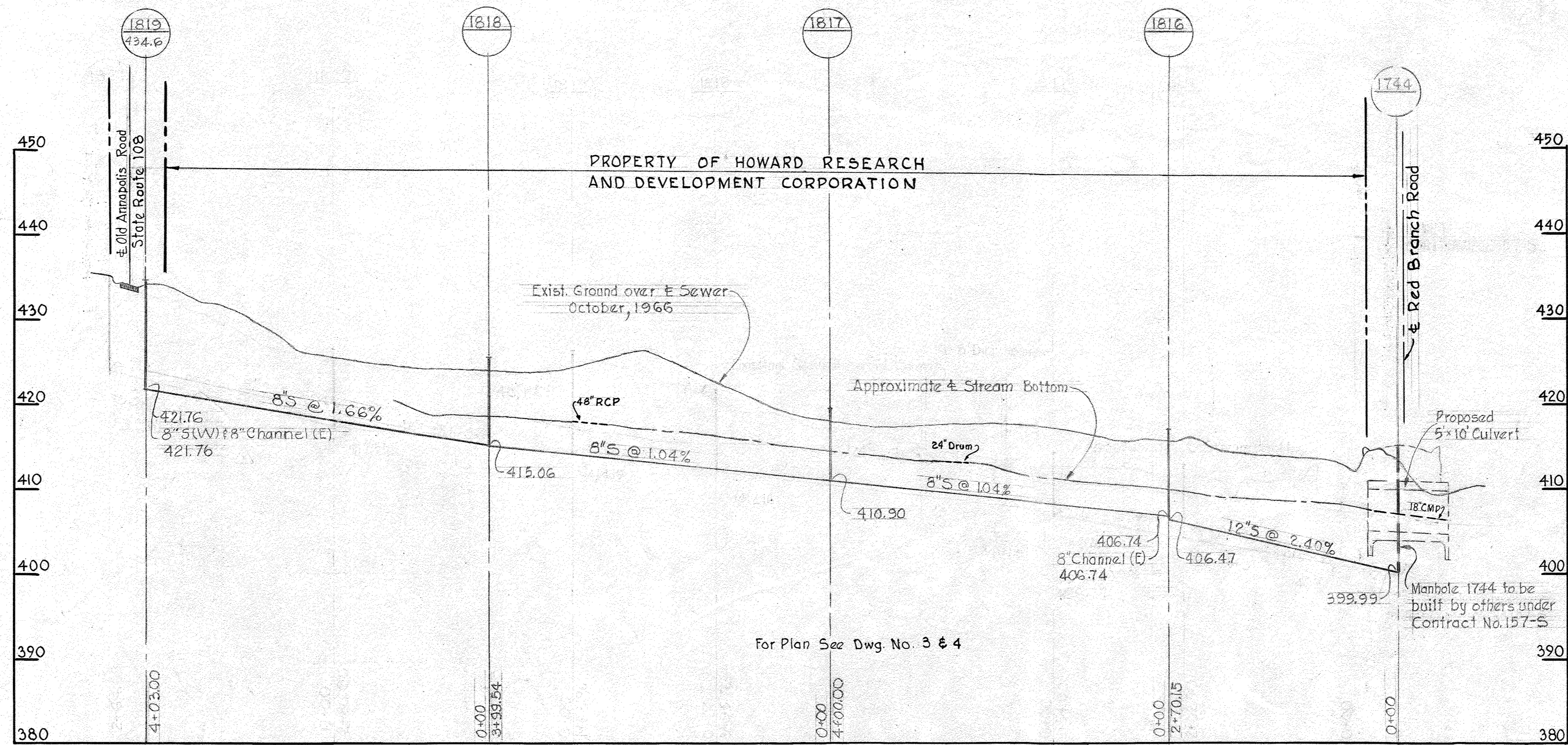
DRAWING NO. 4 OF 6
SCALE 1" = 50'

Oakland Ridge
Contract No. 165 W & S

W. O. 5736-2

20 JUNE 67 AS BUILT

FB 3633
FB 3707
FB 3712
FB 3724



NOTE: For General Notes See Drawing No. 3.



Kenneth A. McCall

Oakland Ridge
Contract No. 165 W&S

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

HOWARD COUNTY METROPOLITAN COMMISSION
DATE: _____ CHIEF ENGINEER

CONTRACT NO. 165 W&S

PROFILES OF WATER AND SEWER MAINS

COLUMBIA
OAKLAND RIDGE INDUSTRIAL PARK
ELECTION DISTRICT - ELLICOTT CITY No. 2

DRAWING NO. 6 OF 6 SCALE H-1"=100' V-1"=10'

WS 165 W&S/6