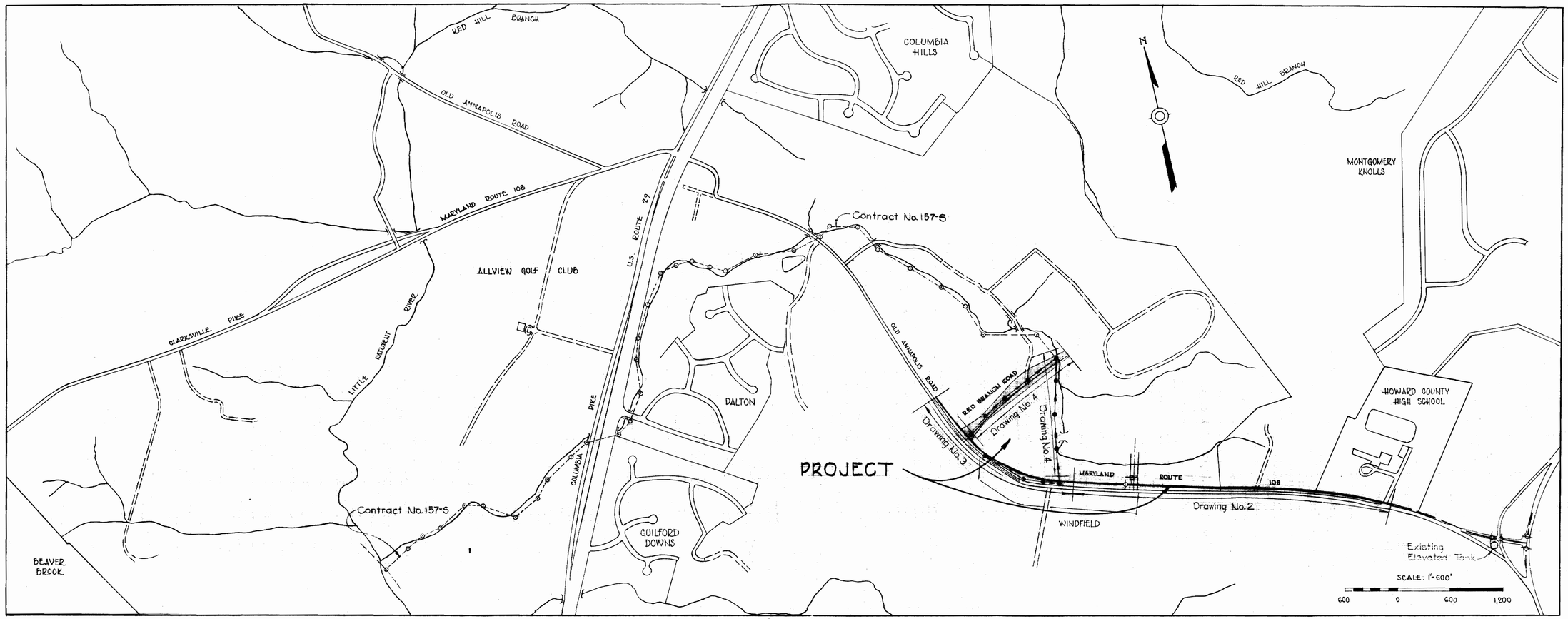


CONTRACT NO. 165 W & S

WATER AND SEWER EXTENSIONS

HOWARD COUNTY METROPOLITAN COMMISSION

ELLICOTT CITY, MARYLAND

STATE OF MARYLAND KENNETH A. McCORD 1974 REGISTERED PROFESSIONAL ENGINEER AND LAND SURVEYOR

Kenneth A. McCord

Oakland Ridge
Contract No. 165 W&S

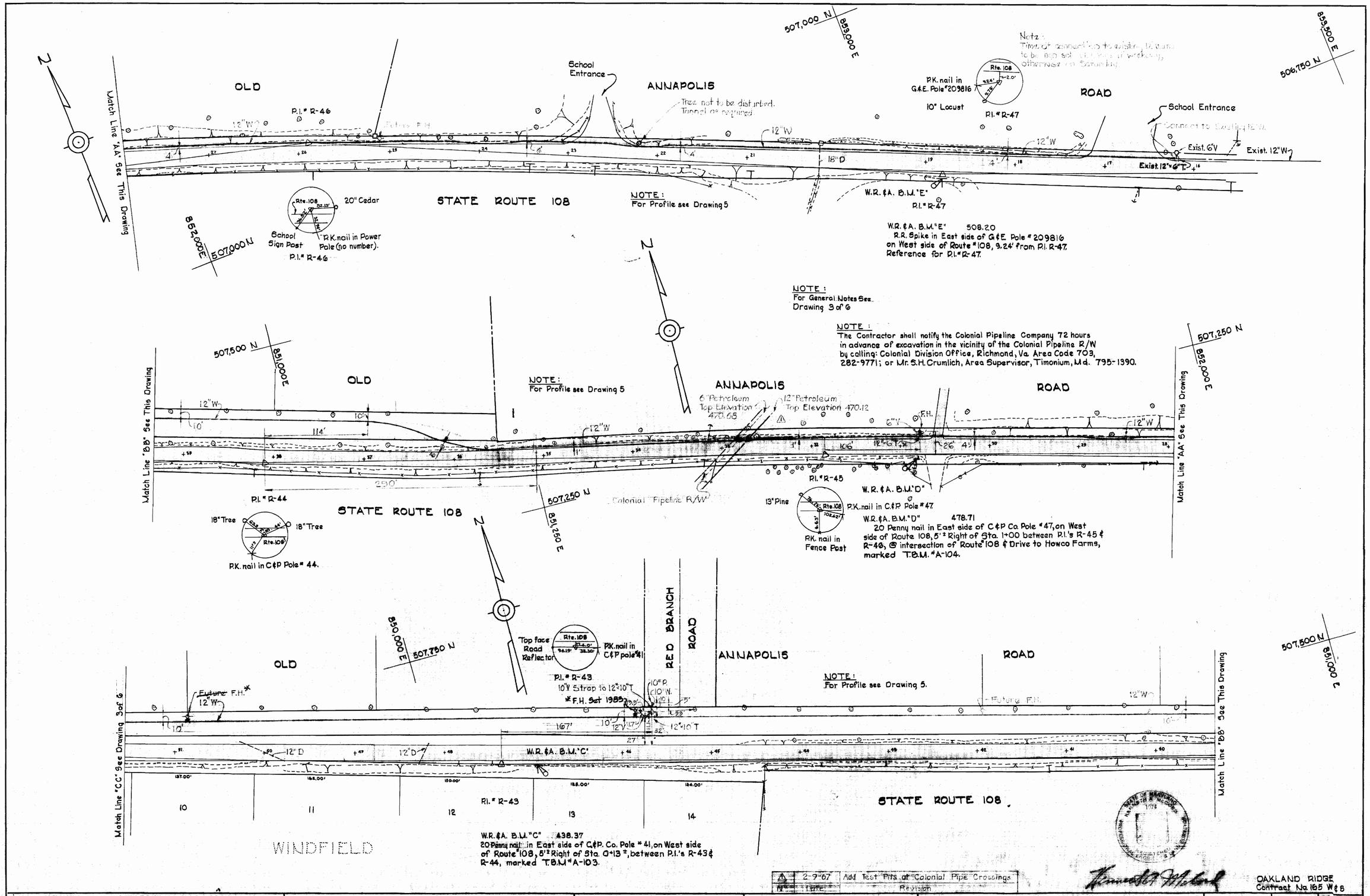
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION 1-4-67 DATE CHIEF ENGINEER	CONTRACT NO. 165 W & S	LOCATION MAP	COLUMBIA OAKLAND RIDGE INDUSTRIAL PARK ELECTION DISTRICT - ELLICOTT CITY No. 2	DRAWING NO. 1 OF 6	SCALE AS SHOWN

W. O. 5736-2

20 JUNE 67

AS BUILT

WS 165 W.S/1



No.	Date	Revision
1	2-7-67	Add Test Pits at Colonial Pipe Crossings

OAKLAND RIDGE
Contract No. 165 W & S

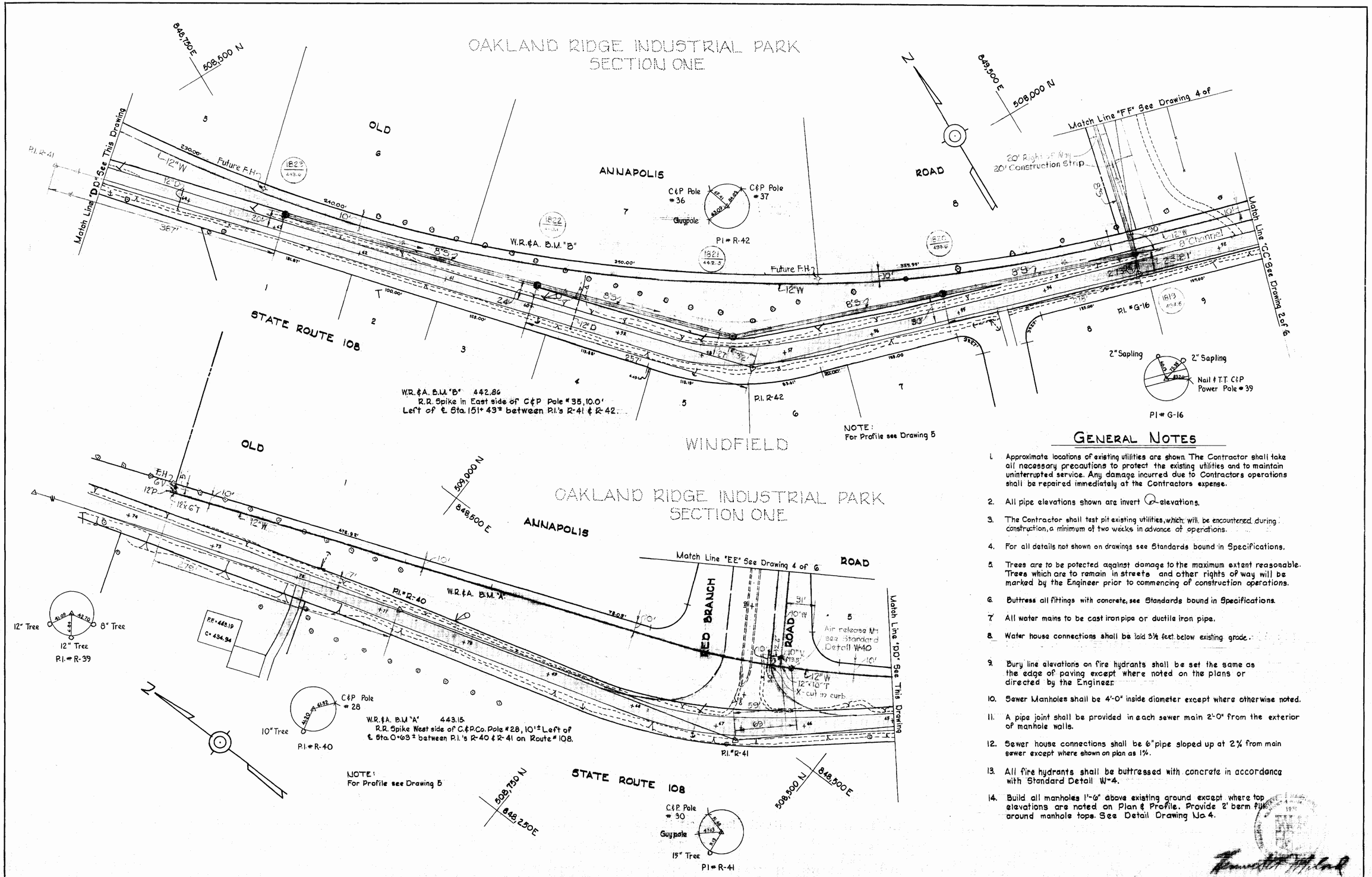
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION DATE — CHIEF ENGINEER	CONTRACT NO. 165 W & S	PLAN OF WATER MAINS	COLUMBIA OAKLAND RIDGE INDUSTRIAL PARK ELECTION DISTRICT - ELLICOTT CITY No. 2	DRAWING NO. 2 OF 6	SCALE 1" = 50'

50-488
50-486
50-487

W. O. 5736

*F.H. ADDED 1983 20 JUNE 67 AS BUILT

165 W.S.M. 2/2



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 potected 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 3½ 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'-0" above existing ground except where top elevations are noted on Plan & Profile. Provide 2' berm fill around manhole tops. See Detail Drawing No. 4.

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'

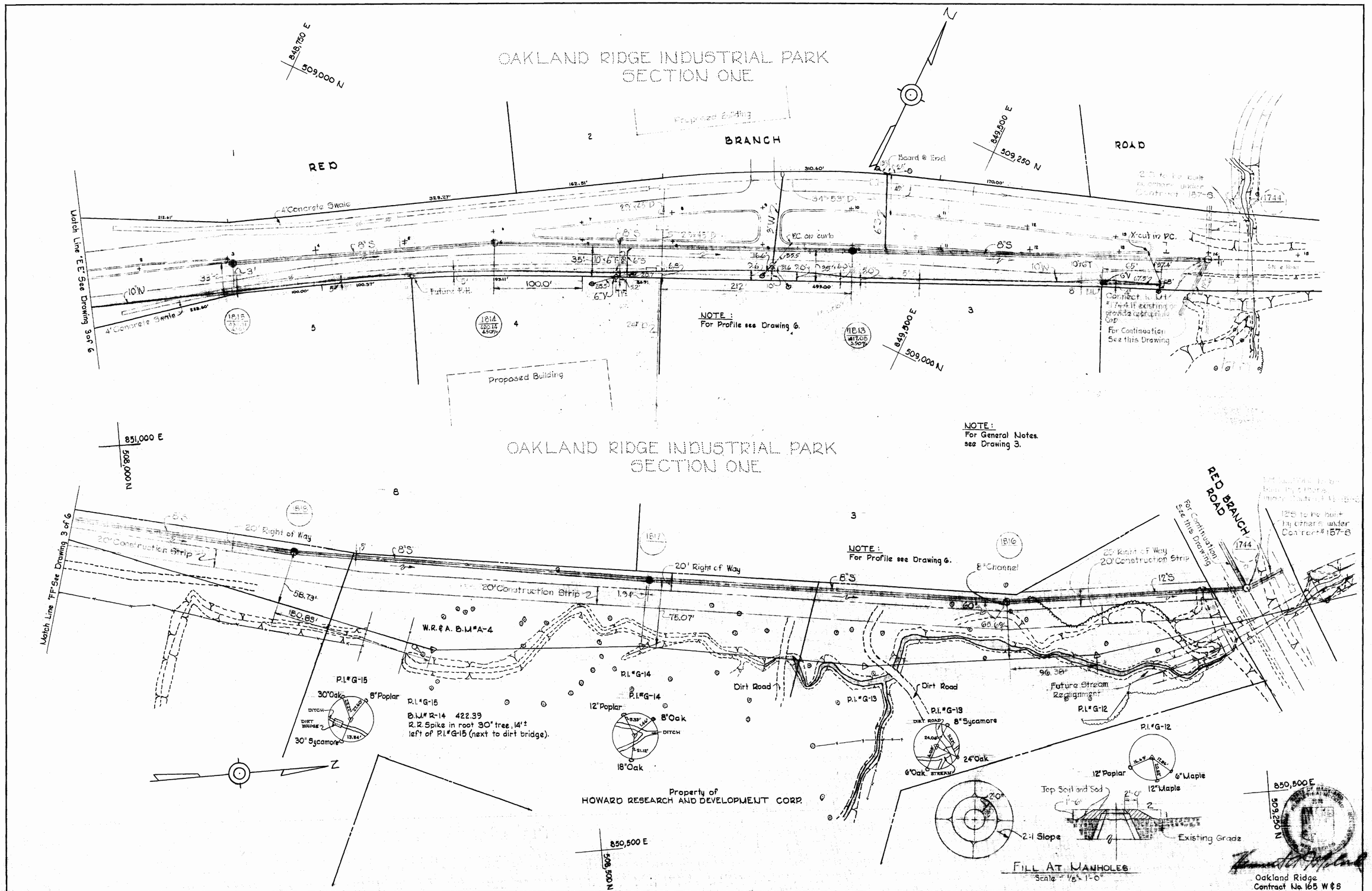
509-486
509-485
508-485
508-486
507-486

W. O. 5136

20 JUNE 67

AS BUILT F.B. 3639 F.B. 3742

WS 165 W.S/3



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'	507-486 508-486 509-486

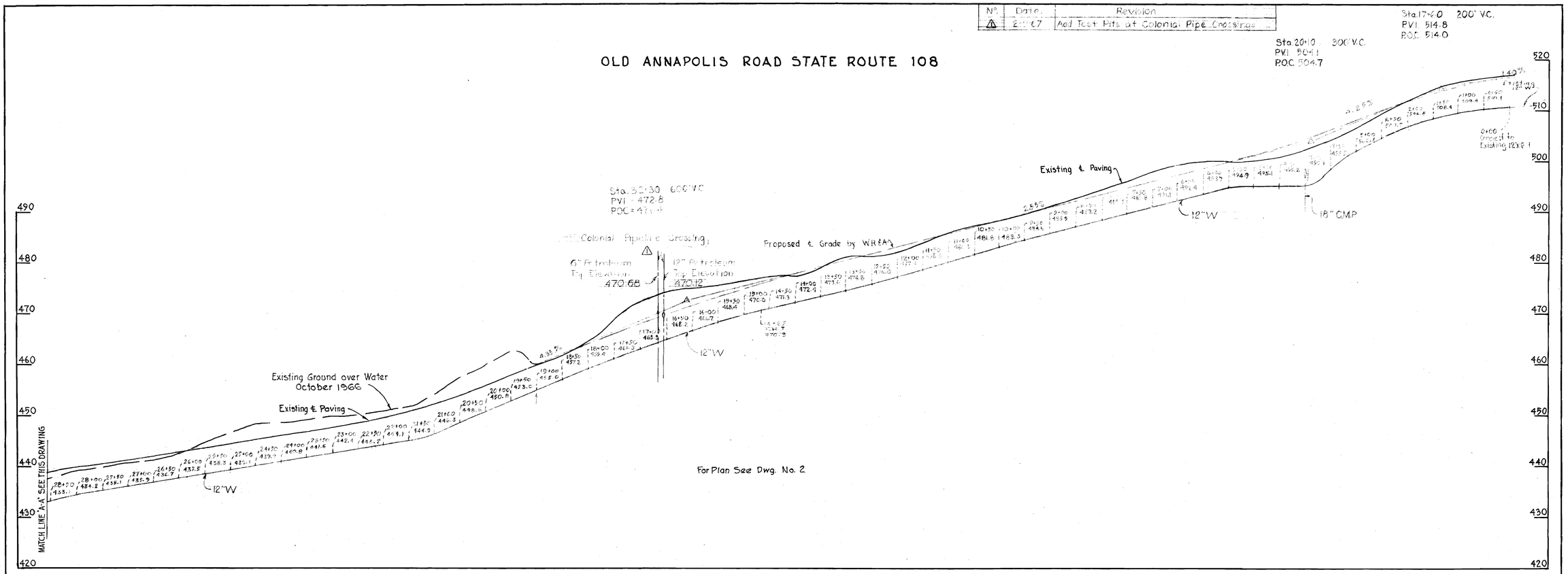
W. O. 5736-2

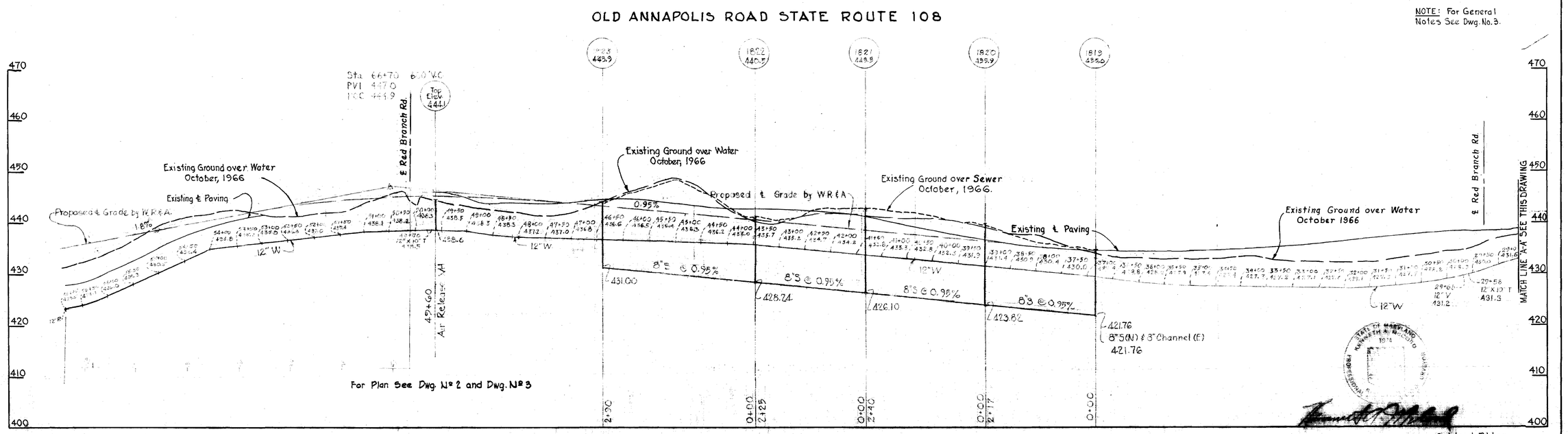
20 JUNE 67 AS BUILT

F.B. 3633
F.B. 3707
F.B. 3715
F.B. 3724

WS 165 W.S/4

Nº	Date	Revision
1	20 JUN 67	Add Test Pits at Colonial Pipe Crossings





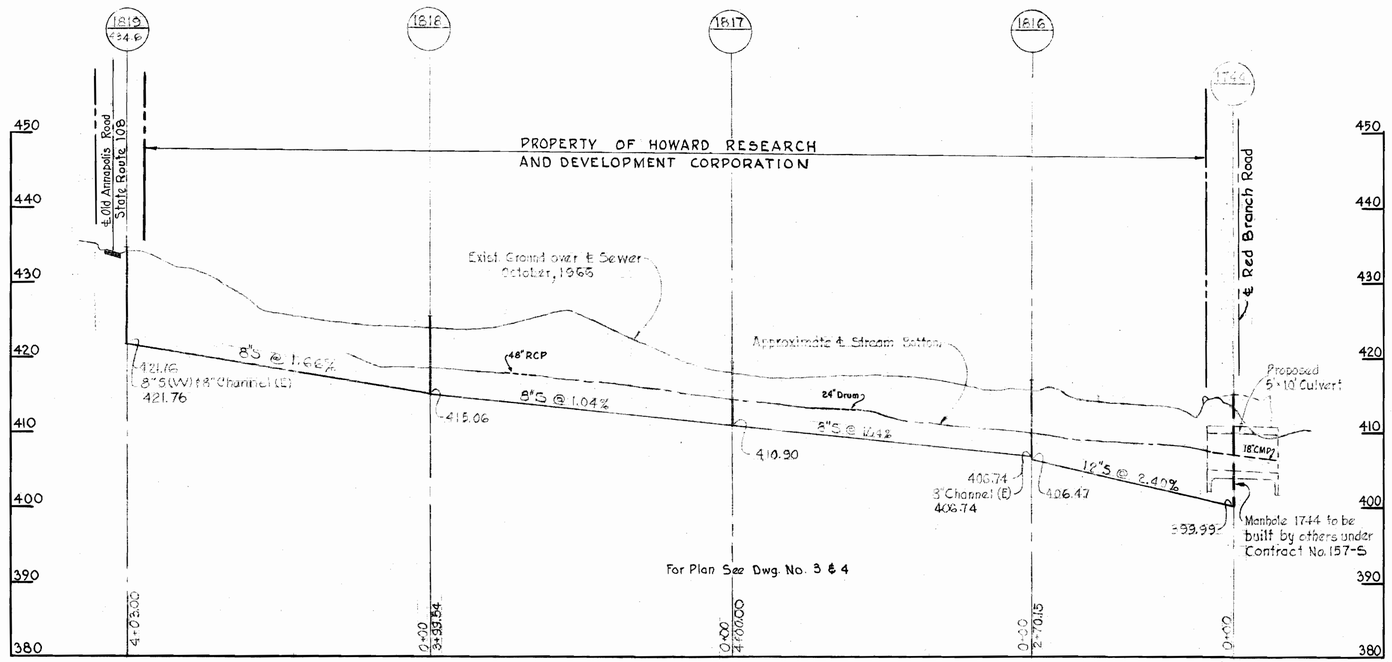
Oakland Ridge
Contract No. 165 W&S

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. 5 OF 6	SCALE H-1"=100' V-1"=10'

W. O. 5736-2

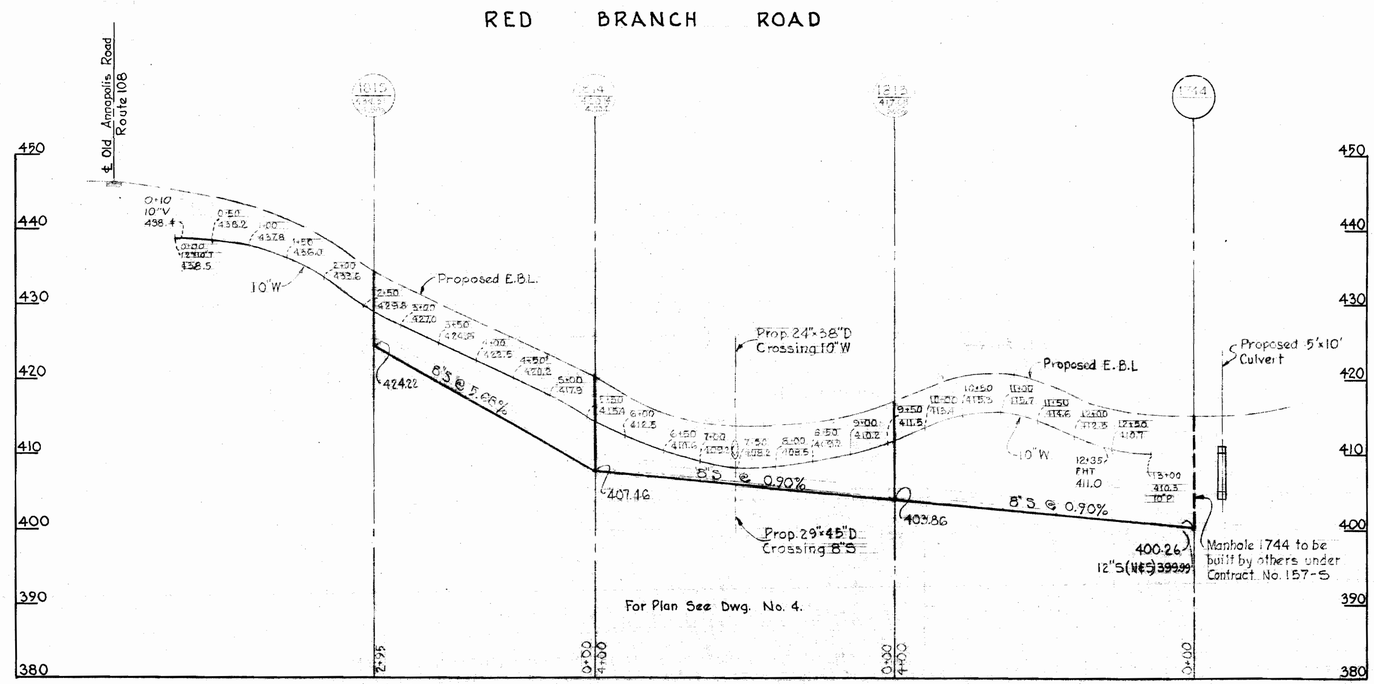
20 JUNE 67

WS 165 W-S/5



RED BRANCH ROAD

NOTE: For General Notes
See Drawing No. 3.



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'

W. O. 5736-2

WS 165 W-S/6