



QUANTITIES	
ITEM	QUANTITY
8" Sewer Main	11,400 L.F.

CONTRACT 350-S

SEWER MAIN EXTENSIONS

HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS



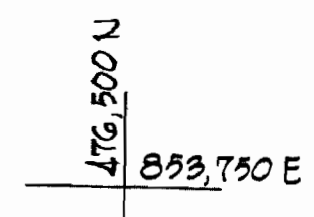
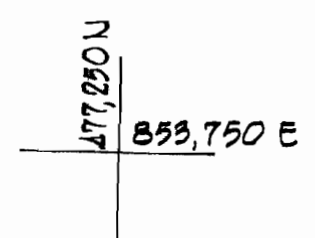
Kenneth A. Wood
 Project 21-S
 Contract No. 350-S

All Sewer Pipe: ACP, Class 2400
 Stakeout: P.S. 4776
 Copy: P.S. 4775

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND DATE: <u>5-20-70</u> <small>CHIEF - BUREAU OF WATER AND SEWER</small>	CONTRACT NO. <u>350-S</u>	LOCATION MAP	ELECTION DISTRICT GUILFORD NO. 6	DRAWING NO. <u>1</u> OF <u>9</u> AS SHOWN
--	---	---------------------------	--------------	-------------------------------------	---

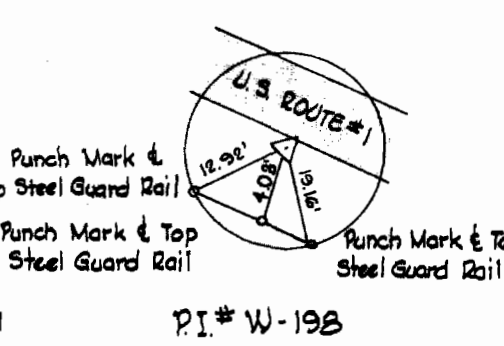
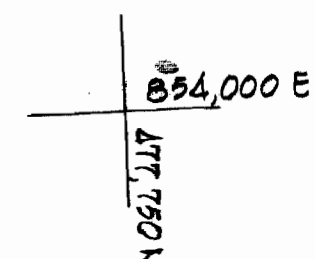
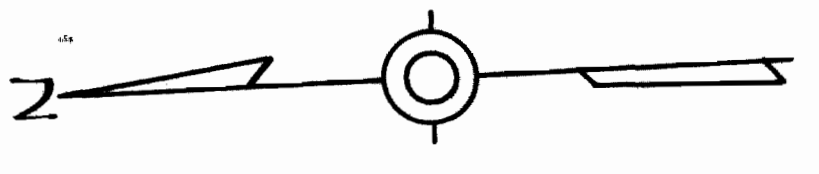
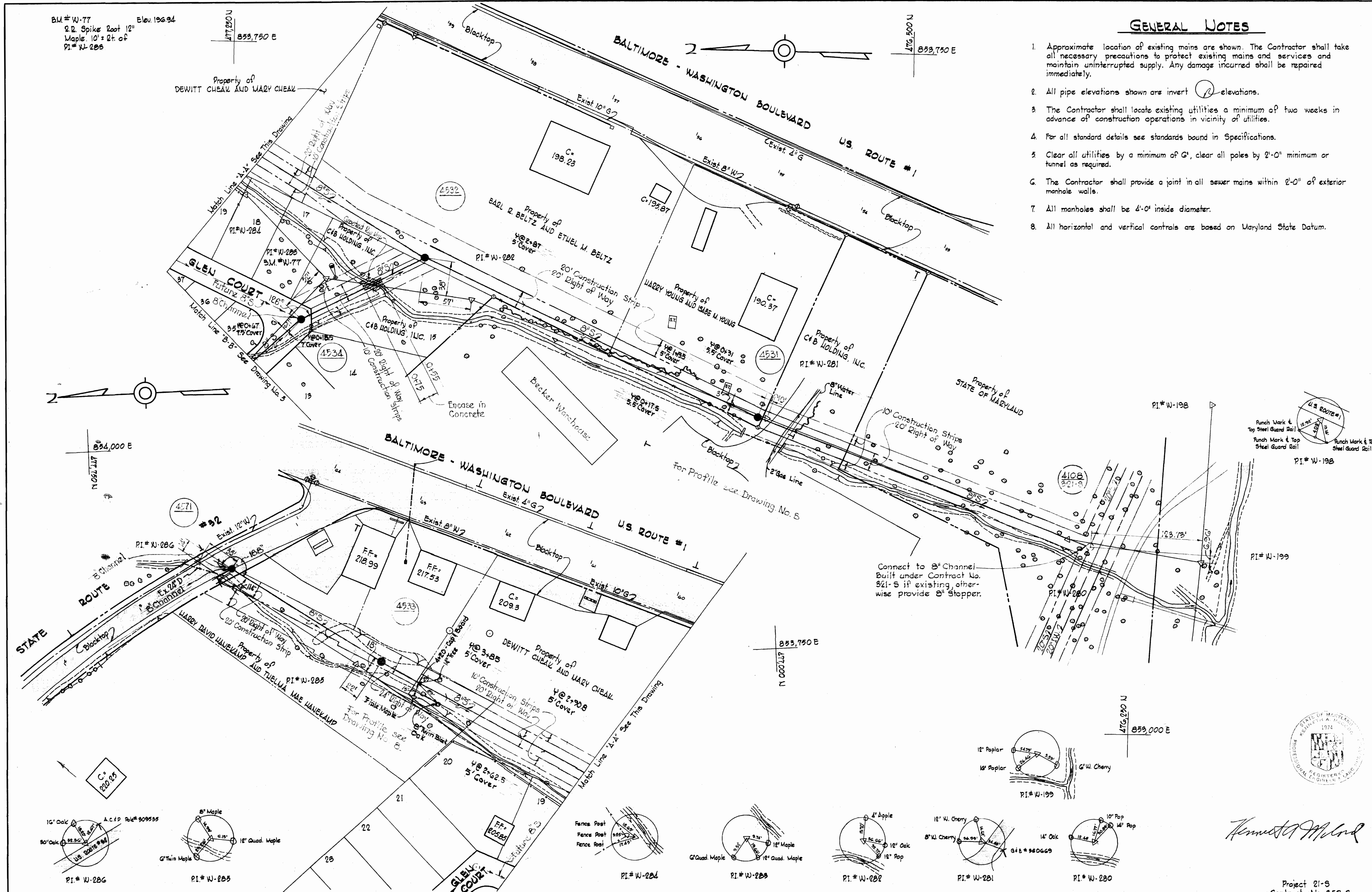
WIS // 350-S // SIN

BM # W-77 Elev. 196.94
 2" R. Spike Root 12"
 Maple 10' = 2" of
 PI # W-205



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 (I) elevations.
3. The Contractor shall locate existing utilities a minimum of two weeks in advance of construction operations in vicinity of utilities.
4. For all standard details see standards bound in Specifications.
5. Clear all utilities by a minimum of 6', clear all poles by 2'-0" minimum or tunnel as required.
6. The Contractor shall provide a joint in all sewer mains within 2'-0" of exterior manhole walls.
7. All manholes shall be 4'-0" inside diameter.
8. All horizontal and vertical controls are based on Maryland State Datum.



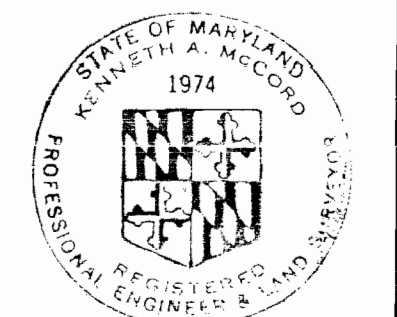
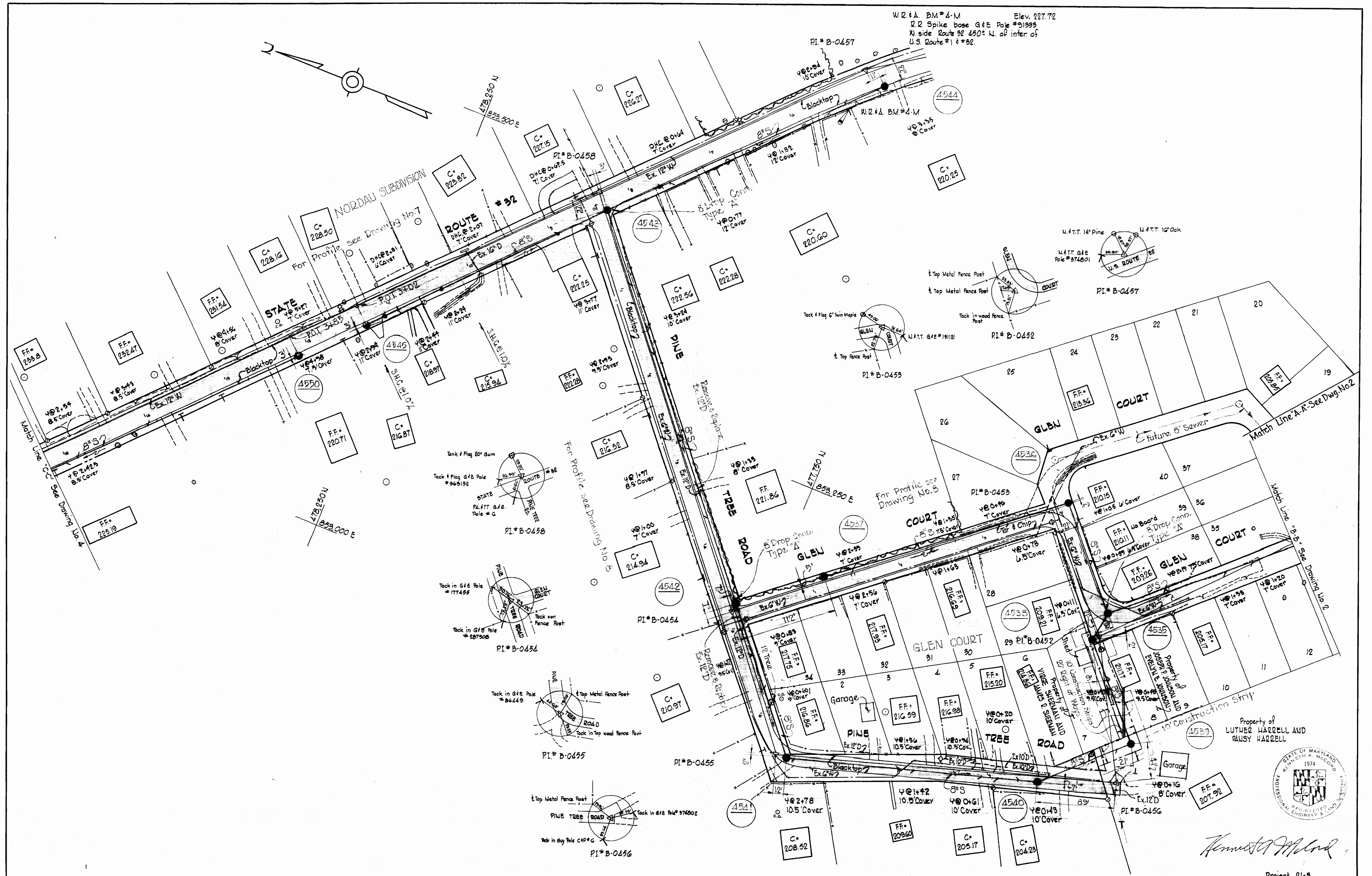
Connect to 8" Channel Built under Contract No. 321-S if existing, otherwise provide 8" Stopper.



Kenneth A. Whitman

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND S-20-70 DATE	CONTRACT NO. 350-S <i>W. O. Gilbert</i> CHIEF-BUREAU OF WATER AND SEWER	PLAN OF SEWER MAINS	ELECTION DISTRICT GUILFORD NO. 6	DRAWING NO. 2 OF 9 SCALE 1" = 50' 476-488 477-488
--	---	--	----------------------------	---	--

VS 350-S/3

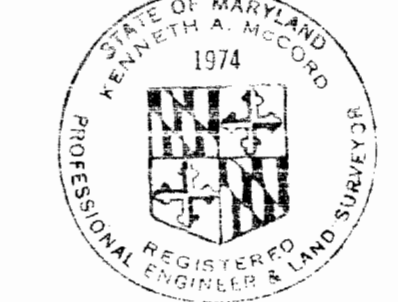
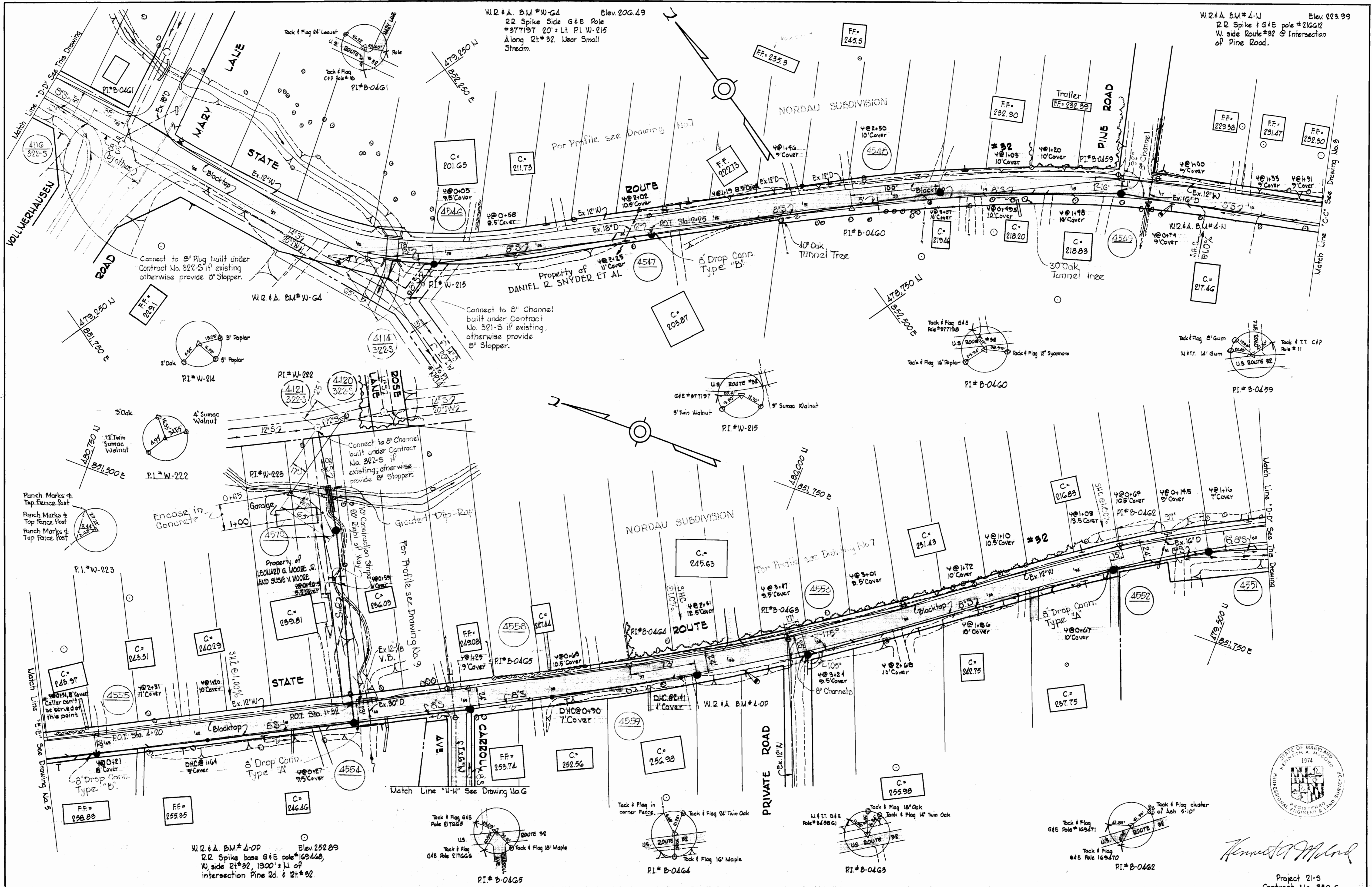


Kenneth A. McLeod

Project 21-S
Contract No. 350-S

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND DATE 5-20-70 <i>W O Falbert</i> CHIEF-BUREAU OF WATER AND SEWER	CONTRACT NO. 350-S	PLAN OF SEWER MAINS	ELECTION DISTRICT GUILFORD NO. 6	DRAWING NO. 3 OF 9 SCALE 1"=50' 477-488 487-488
---	--	--------------------	------------------------	-------------------------------------	--

WS 350-S/4



Kenneth A. McLeod

Project 21-5
Contract No. 350-S

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND 5-20-70 <i>W. O. Falbert</i> CHIEF-BUREAU OF WATER AND SEWER	CONTRACT NO. 350-S	PLAN OF SEWER MAINS	ELECTION DISTRICT GUILFORD NO. 6	<table border="1"> <tr> <td>DRAWING NO. 4 OF 9</td> <td>SCALE 1"=50'</td> </tr> <tr> <td></td> <td>480-487</td> </tr> <tr> <td></td> <td>479-487</td> </tr> <tr> <td></td> <td>478-488</td> </tr> </table>	DRAWING NO. 4 OF 9	SCALE 1"=50'		480-487		479-487		478-488
DRAWING NO. 4 OF 9	SCALE 1"=50'												
	480-487												
	479-487												
	478-488												

W. O. GIBBS-2

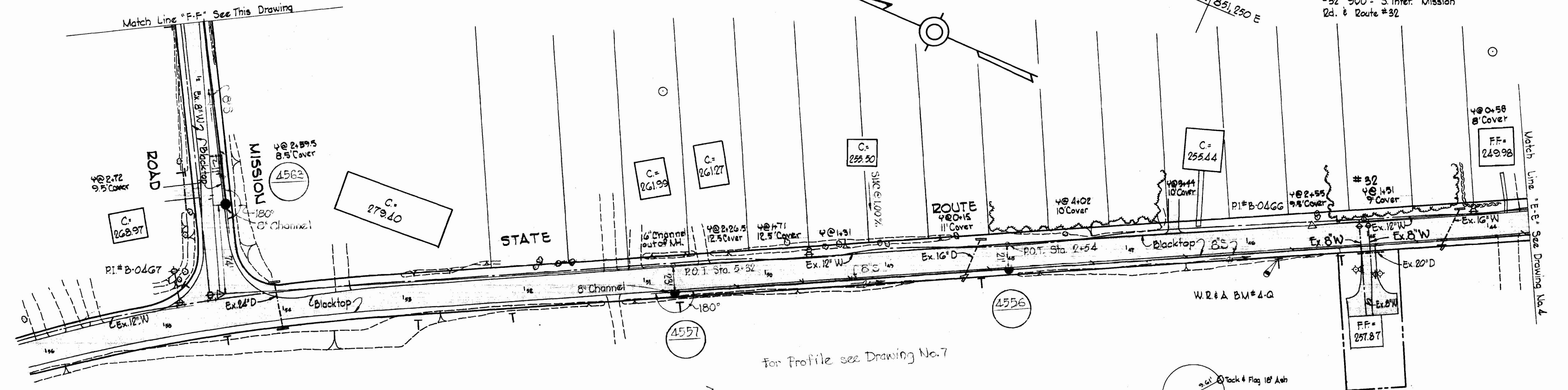
AS BUILT
 F.P. # 4574, 4470
 AUG 16, 1971

W.R.#A. B.M.#4-Q Elev. 259.19
 R.R. Spike base G&E Pole
 #164544, W. side Route
 #32 900' S. inter. Mission
 Rd. & Route #32

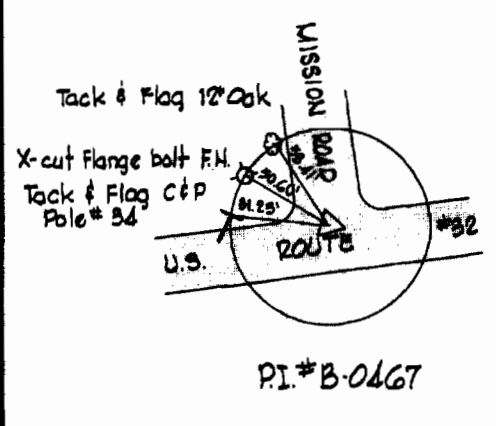
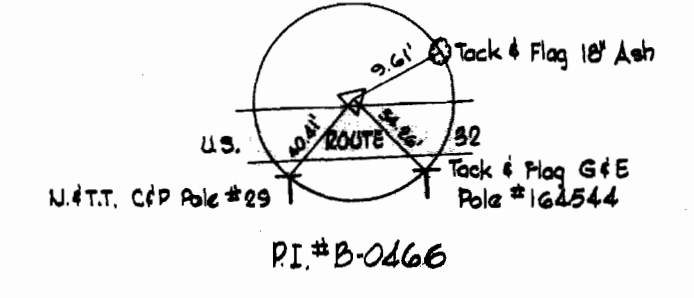
482,000 N
 840,790 E

C. 261.09

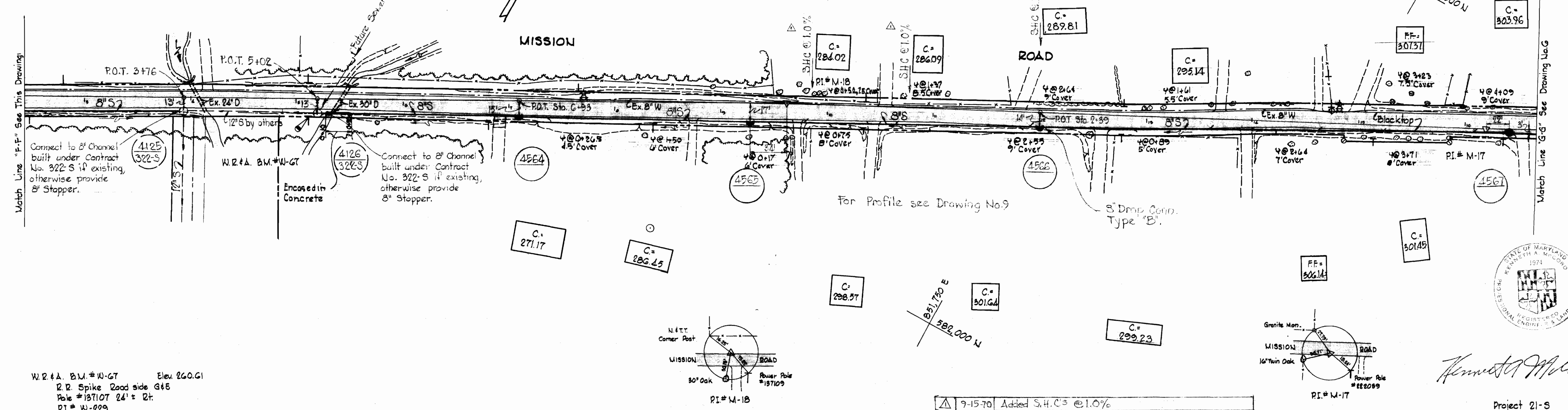
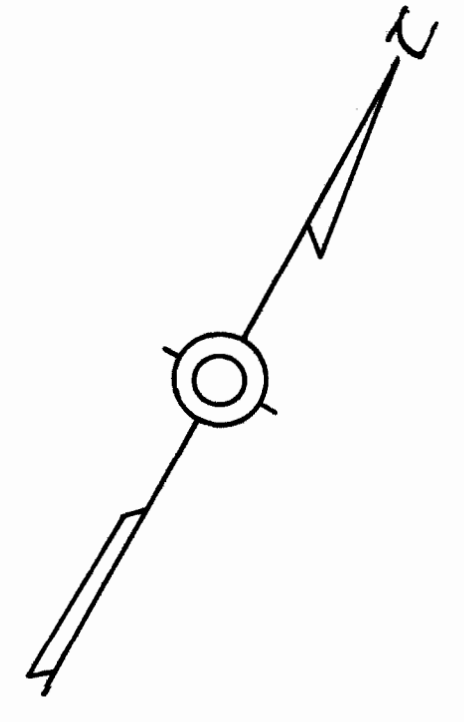
481,000 N
 851,230 E



For Profile see Drawing No. 7



481,000 N
 842,000 E



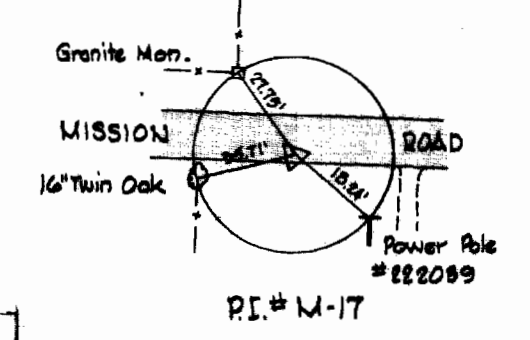
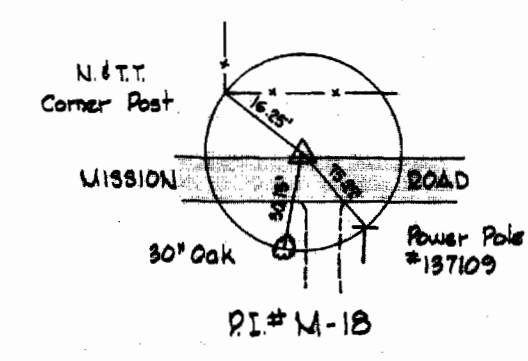
For Profile see Drawing No. 9

3' Dmp. Comp. Type 'B'

Match Line "F-F" See This Drawing
 Connect to 8" Channel built under Contract No. 322-S if existing, otherwise provide 8" Stopper.

Connect to 8" Channel built under Contract No. 322-S if existing, otherwise provide 8" Stopper.

W.R.#A. B.M.#W-G7 Elev. 260.61
 R.R. Spike Road side G&E Pole #137107 24' ± Rt.
 P.I.# W-229



Kenneth McLeod

9-15-70	Added S.H.C's @ 1.0%
No. Date	Revisions

Project 21-S
 Contract No. 350-S

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

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 5-20-70 DATE
W O Palbert
 CHIEF-BUREAU OF WATER AND SEWER

CONTRACT NO. 350-S

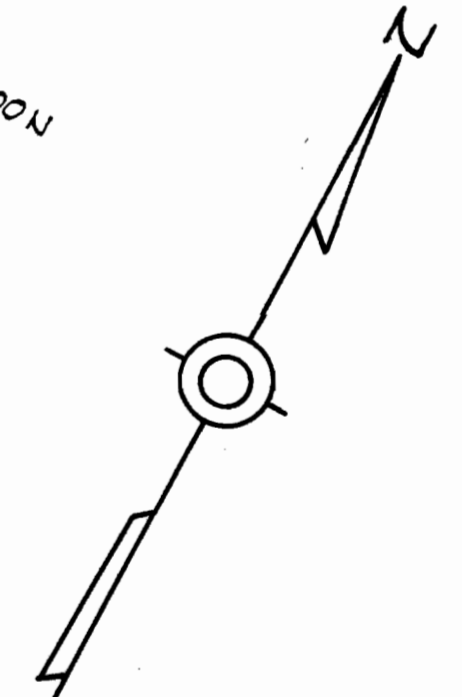
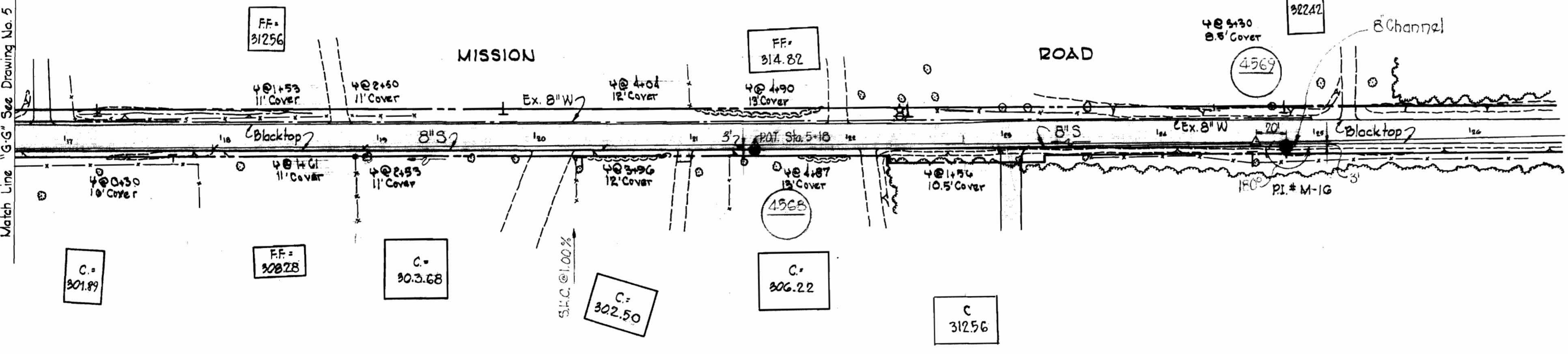
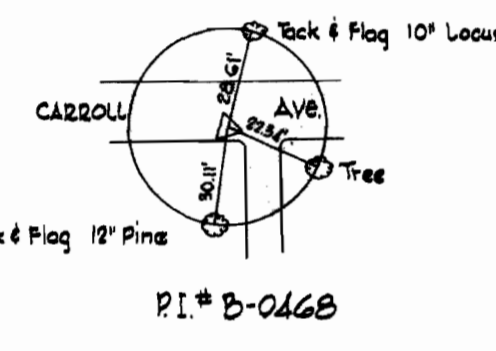
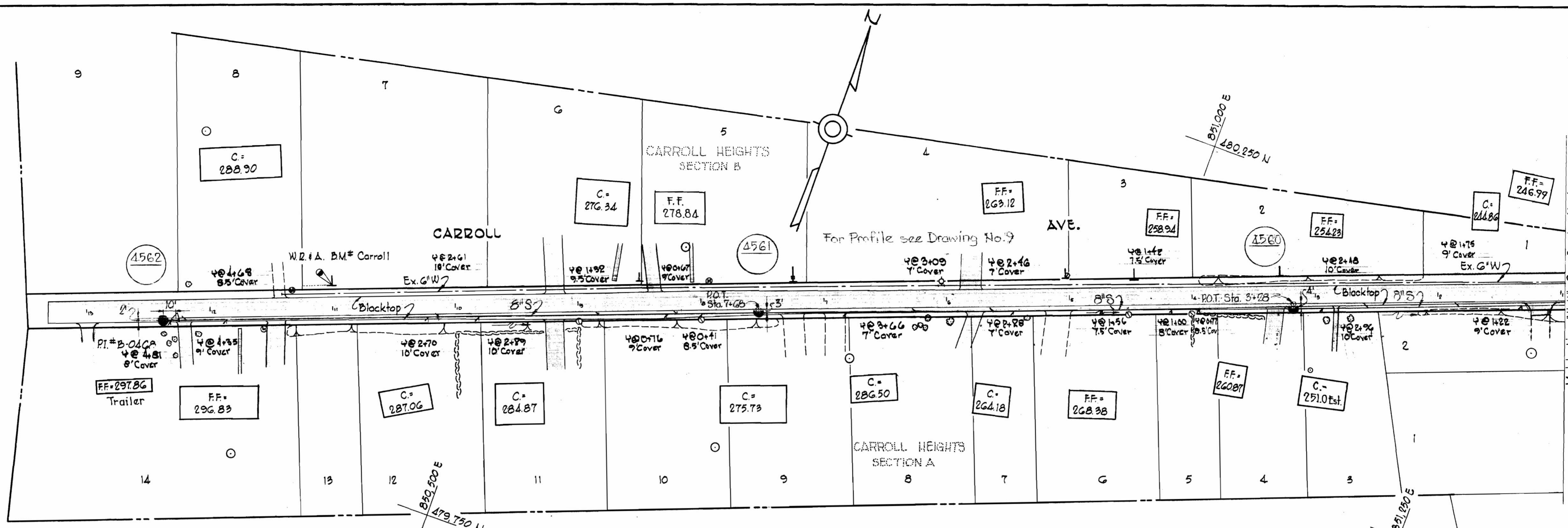
PLAN OF
 SEWER MAINS

ELECTION DISTRICT
 GUILFORD NO. 6

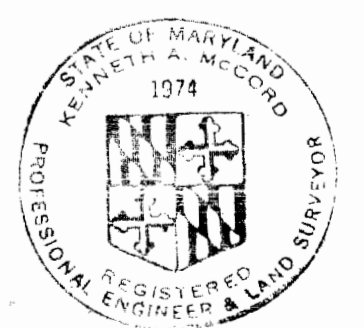
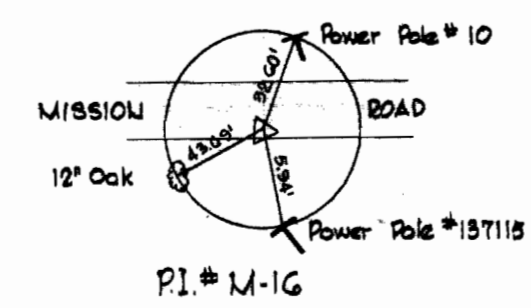
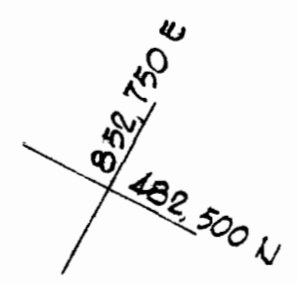
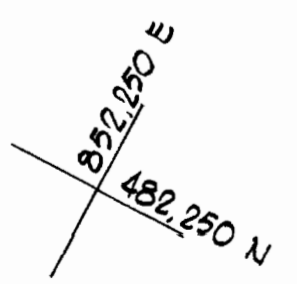
DRAWING NO. 5 OF 9
 SCALE 1" = 50'
 480-487
 481-487
 482-487

VS 350-S/5

PROPOSED MD. ROUTE No. 32



For Profile see Drawing No. 9



Ernest A. Milrod
 Project 21-S
 Contract No. 350-S

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

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 DATE 5-20-70
W. O. Filbert
 CHIEF - BUREAU OF WATER AND SEWER

CONTRACT NO. 350-S

PLAN OF SEWER MAINS

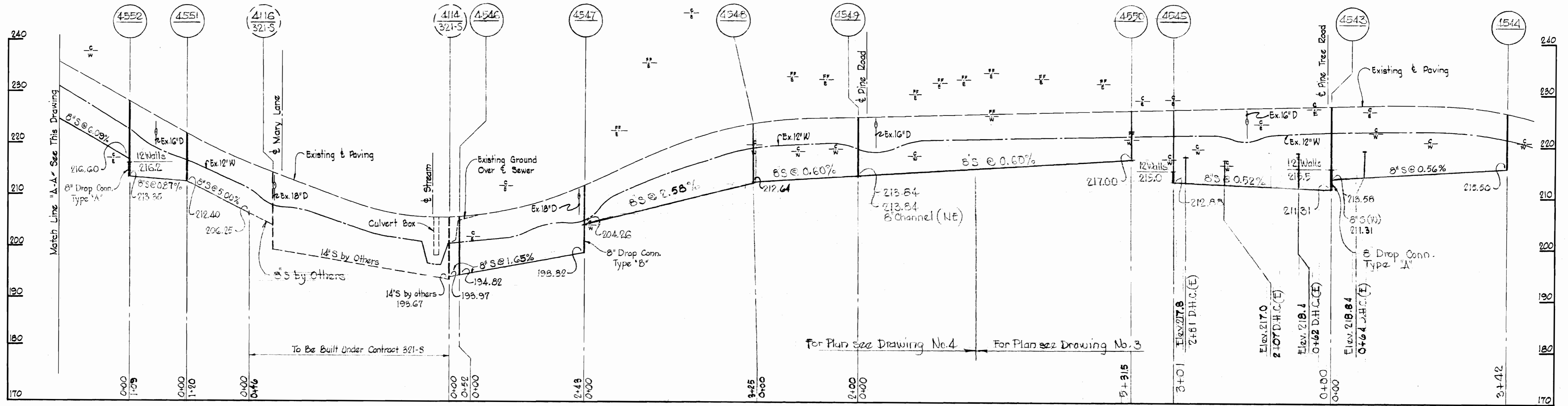
ELECTION DISTRICT GUILFORD NO. 6

DRAWING NO. 6 OF 9

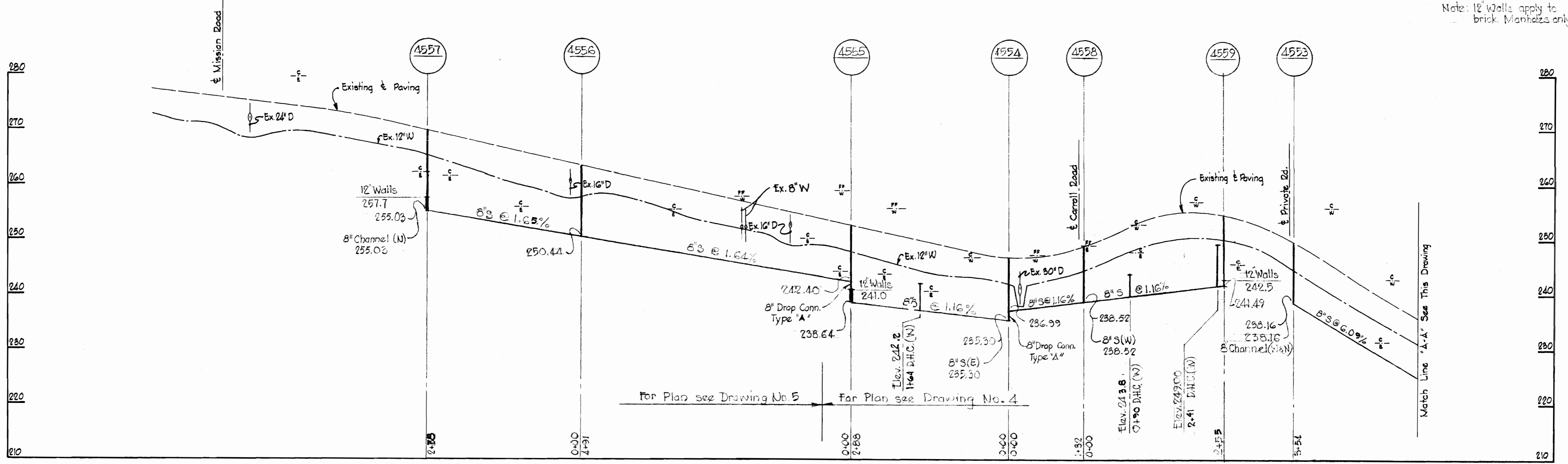
SCALE 1" = 50'

WS 350-S/6

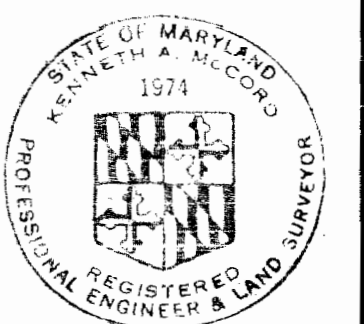
STATE ROUTE # 32



STATE ROUTE # 32



Note: 12" Walls apply to brick Manholes only.

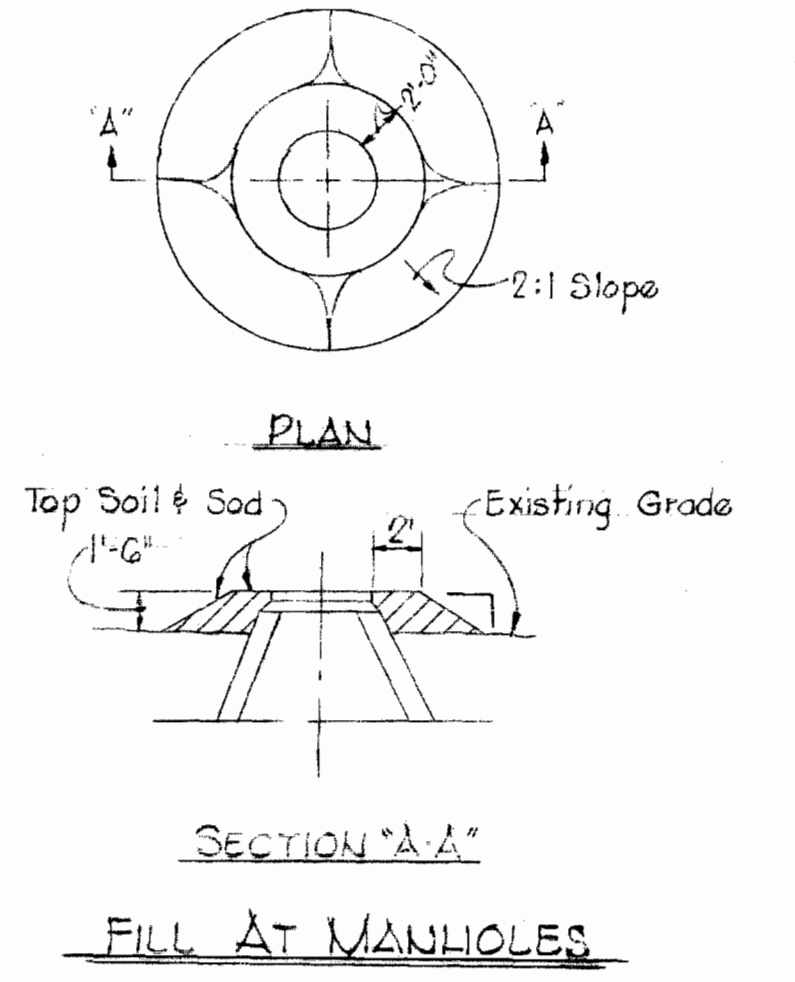
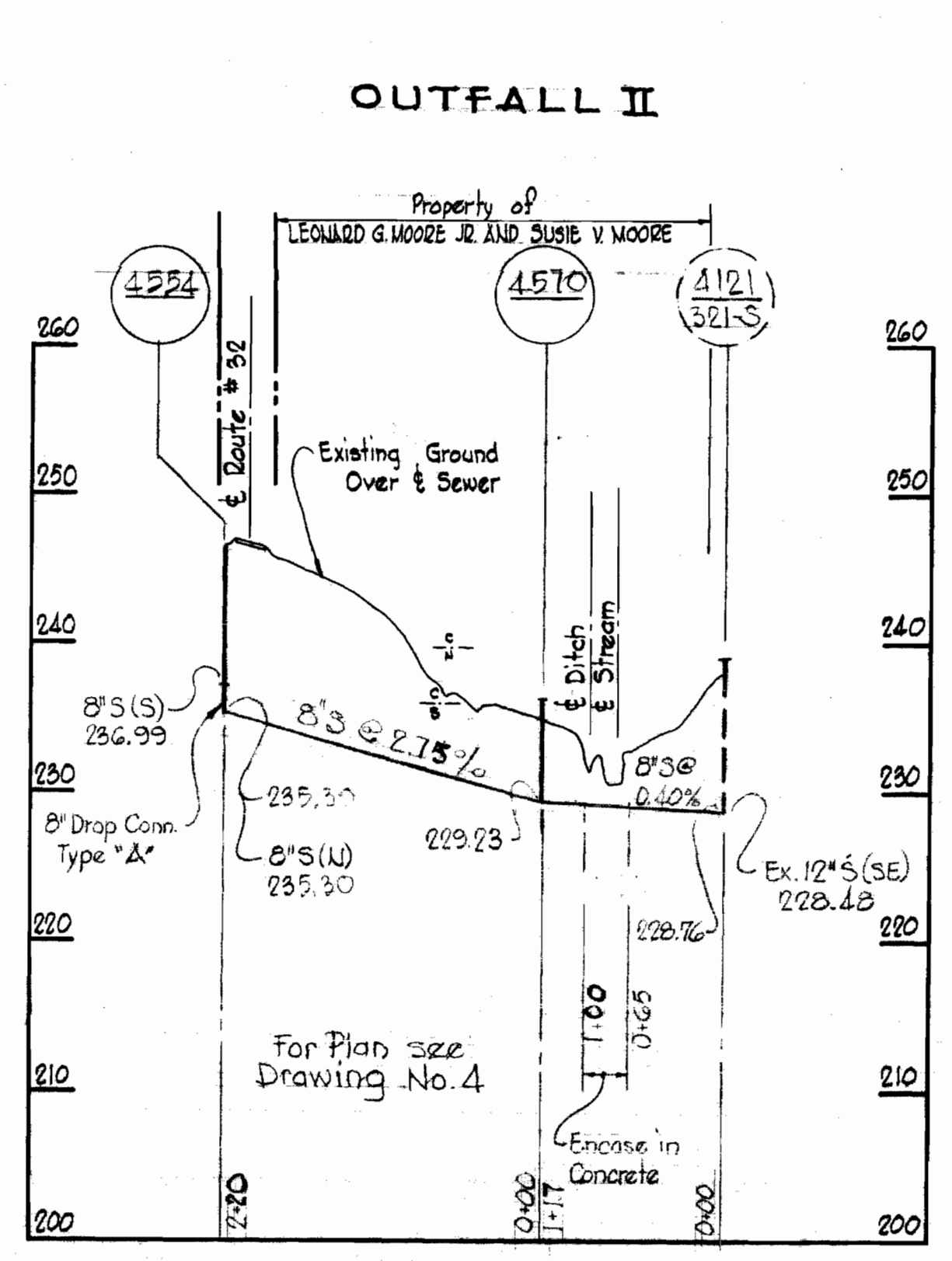
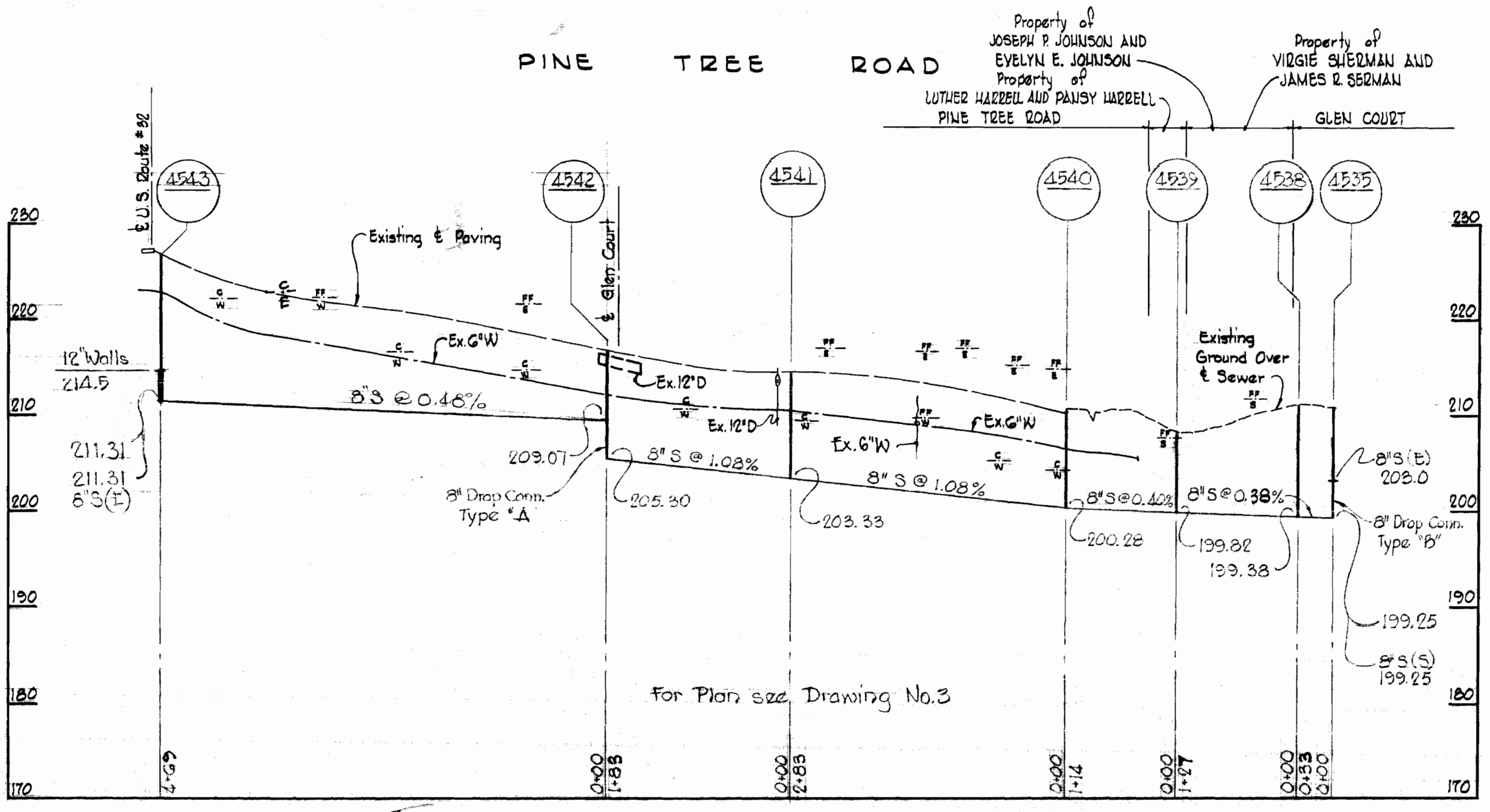
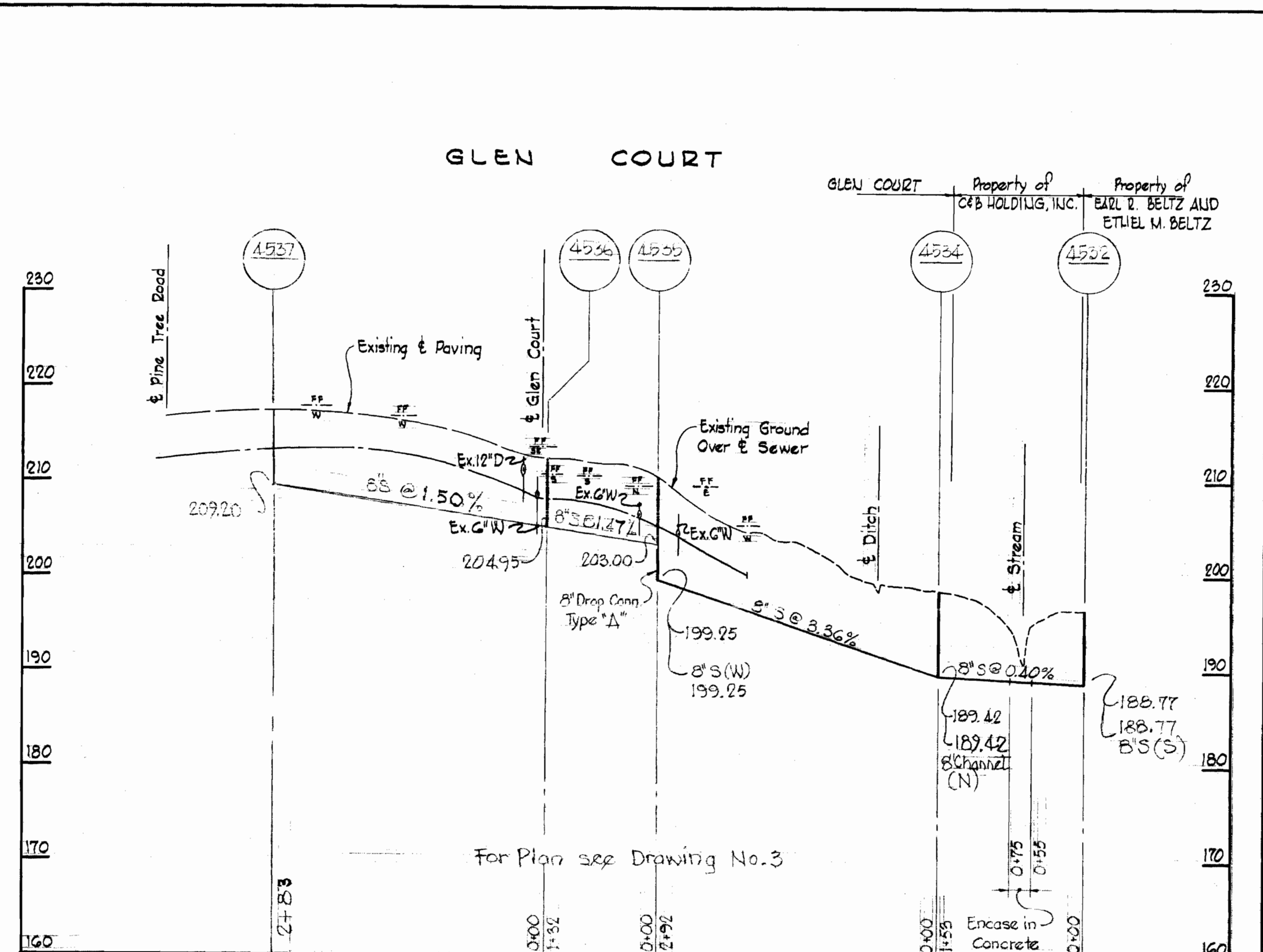
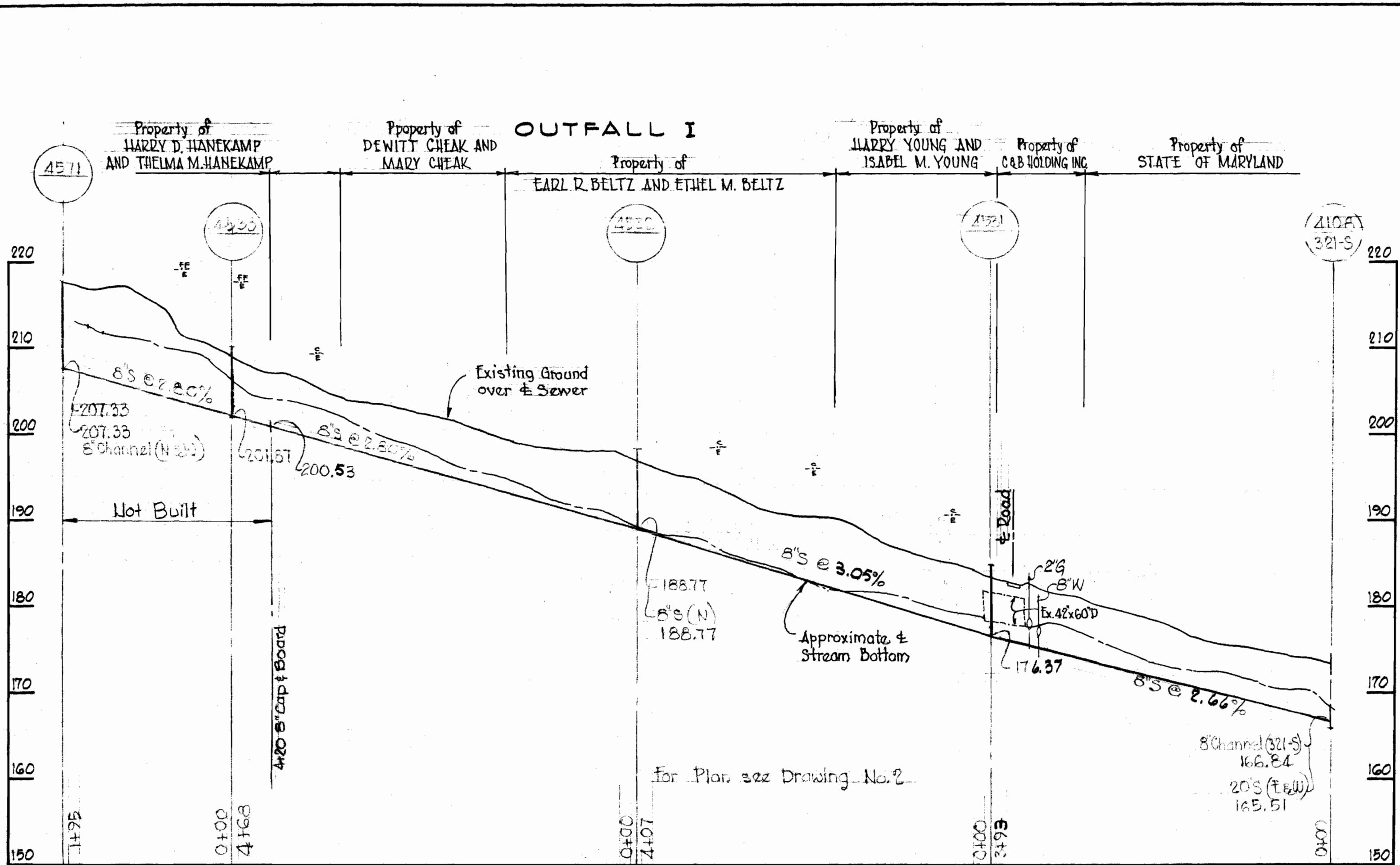


Handwritten signature

Project 21-S
Contract No. 350-S

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND DATE: 5-20-70 W. O. Fulbert CHIEF - BUREAU OF WATER AND SEWER	CONTRACT NO. 350-S	PROFILES OF SEWER MAINS	ELECTION DISTRICT GUILFORD NO. 6	DRAWING NO. 7 OF 9 SCALE: H:1"=100', V:1"=10' AS BUILT
---	--	--------------------	----------------------------	-------------------------------------	--

WS 350-S/1



Note: 12" Walls apply to brick Manholes only.

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

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
5-20-70
W. O. Libert
CHIEF - BUREAU OF WATER AND SEWER

CONTRACT NO. 350-S

PROFILES OF SEWER MAINS

ELECTION DISTRICT GUILFORD NO. 6

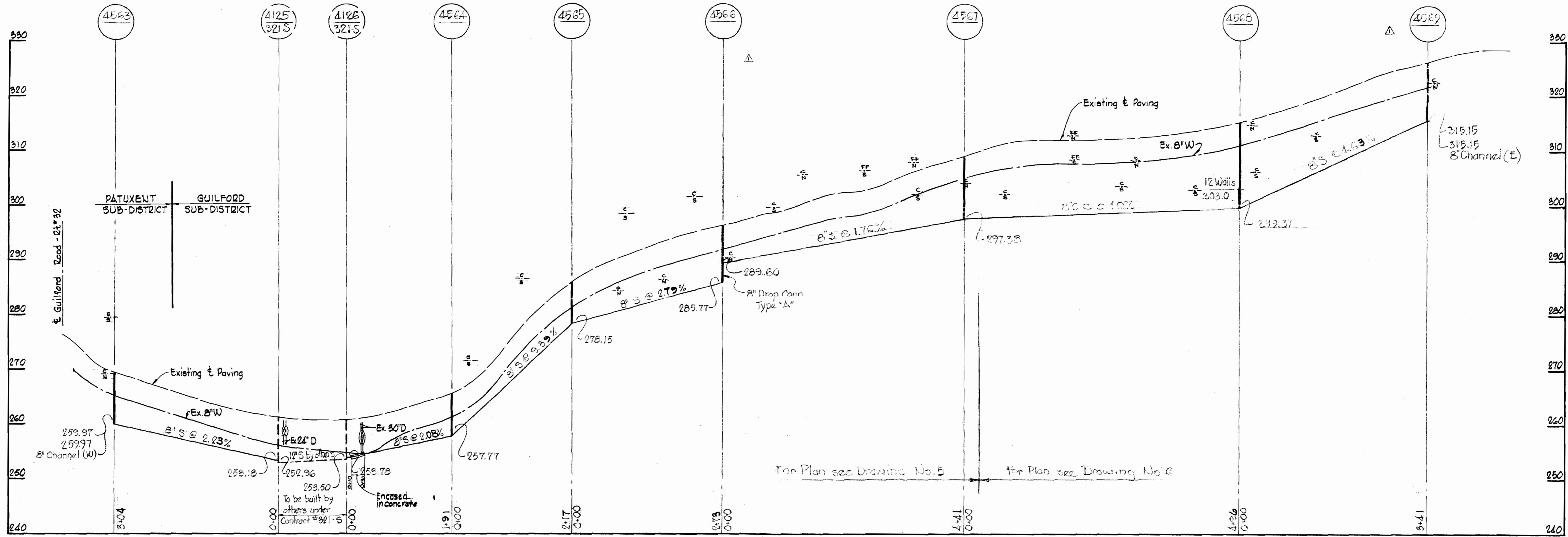
DRAWING NO. 8 OF 9
SCALE H:1"=100' V:1"=10'

Project 21-9
Contract No. 350-S
AS BUILT
AUG 16 1970

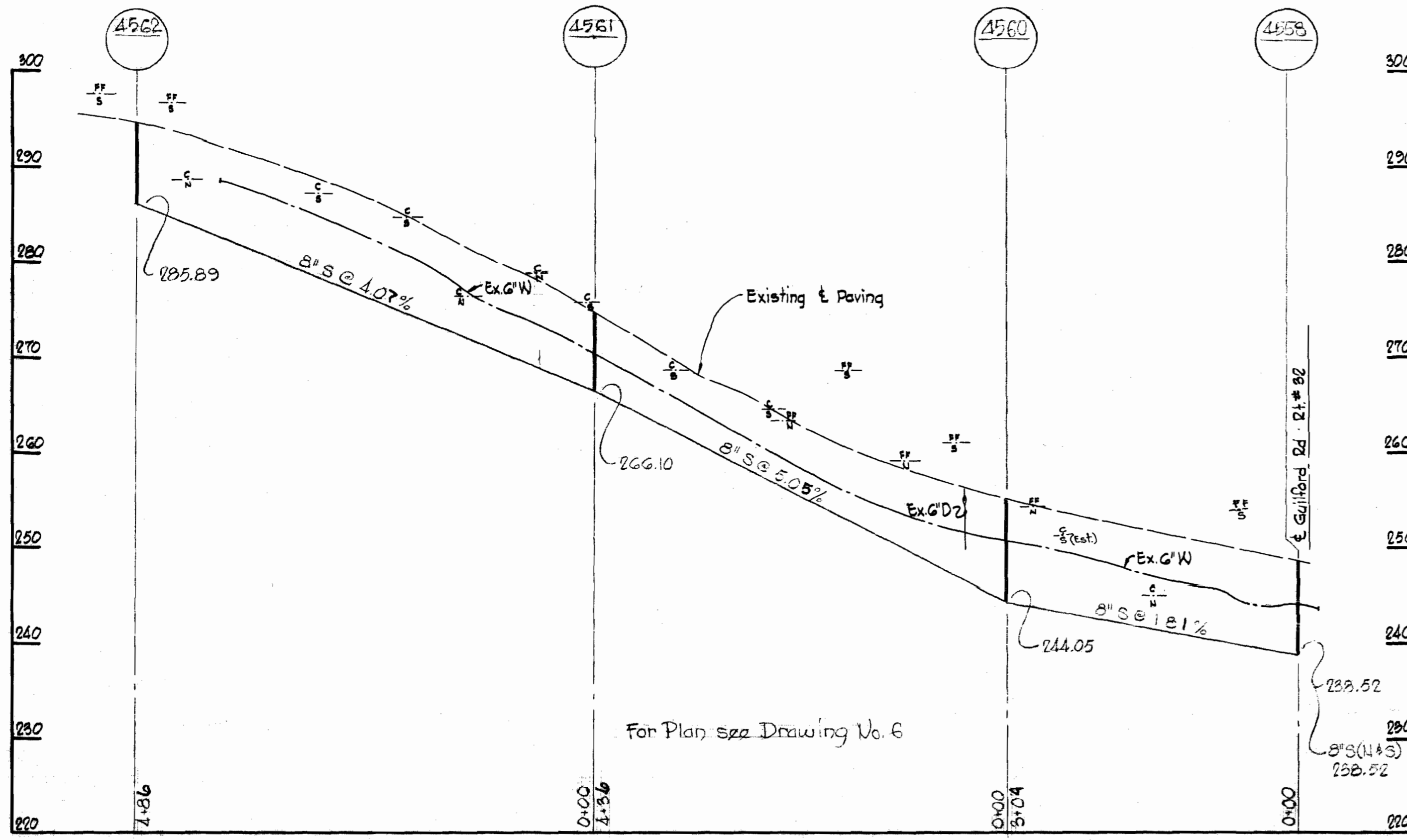


NS 350-S/8

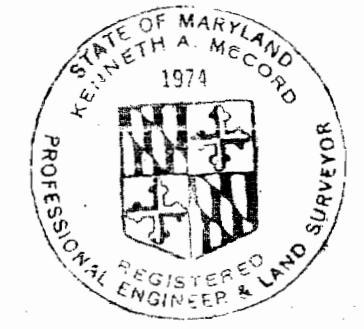
MISSION ROAD



CARROLL ROAD



Note: 12' Walls apply to brick Manholes only.



Kenneth A. Meador

No.	Date	Revisions
1	9-15-70	Profile Revised between MH.No. 4566 to MH.No. 4567

Project No 21-5
Contract No. 350-S

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND DATE 5-20-70 W. O. Falber CHIEF-BUREAU OF WATER AND SEWER	CONTRACT NO. 350-S	PROFILES OF SEWER MAINS	ELECTION DISTRICT GUILFORD NO. 6	DRAWING NO. 9	SCALE H:1"=100'
					OF 9	V:1"=10'

W. O. 2185-2

AS BUILT August, 1971

WS 350-S/9