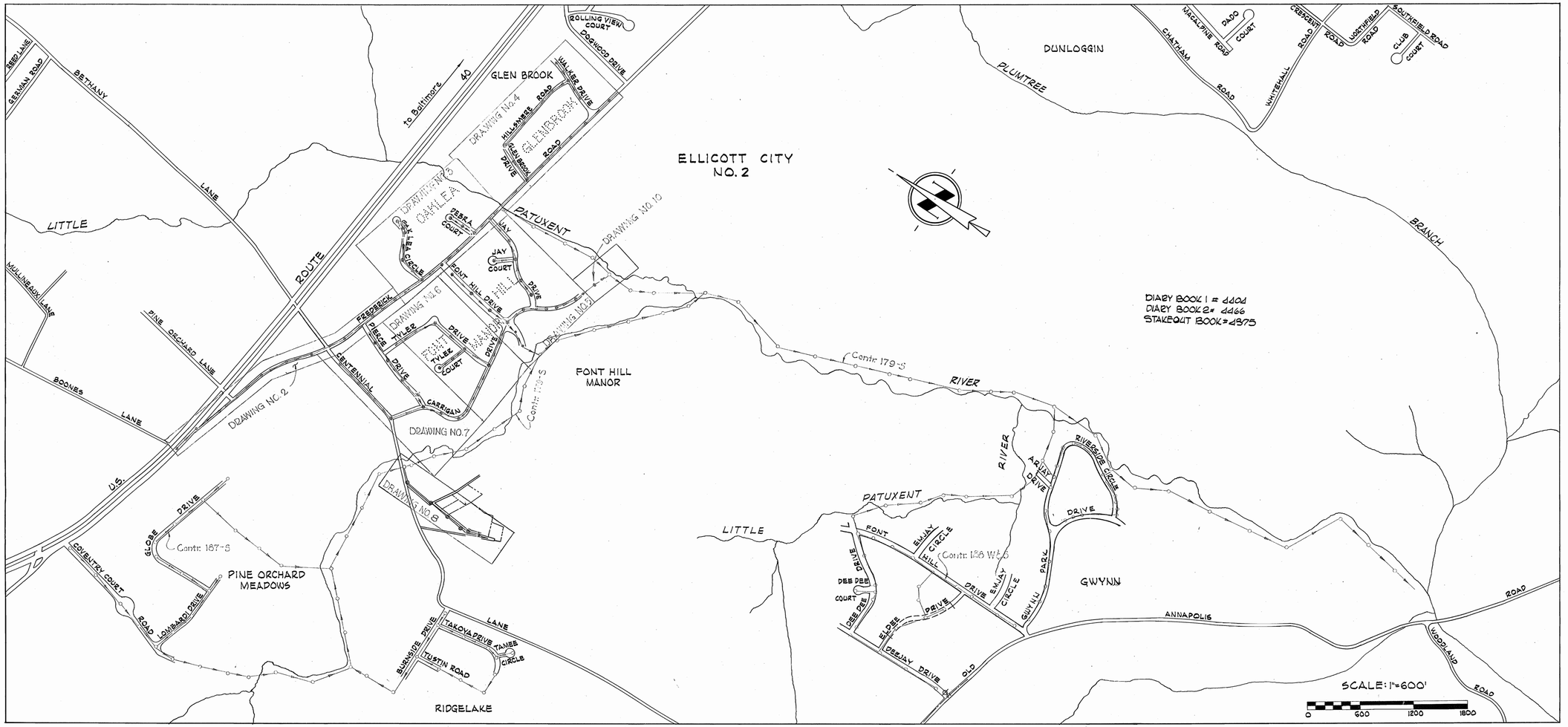


CONTRACT 186-S
SEWER MAIN EXTENSIONS
HOWARD COUNTY METROPOLITAN COMMISSION
ELLICOTT CITY, MARYLAND

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

Kenneth A. McCord

Contract# 186 S

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION 9-25-68 (DATE) — W O Fulbert (CHAIRMAN)	CONTRACT NO. 186-S	LOCATION MAP OF SEWER MAIN EXTENSIONS	ELLICOTT CITY FONT HILL MANOR, GLEN BROOK, OAK LEA ELECTION DISTRICT-ELLICOTT CITY No. 2	DRAWING NO. 1 OF 12	SCALE AS SHOWN

W. O. 5839-2

AS BUILT Dec. 2, 1969

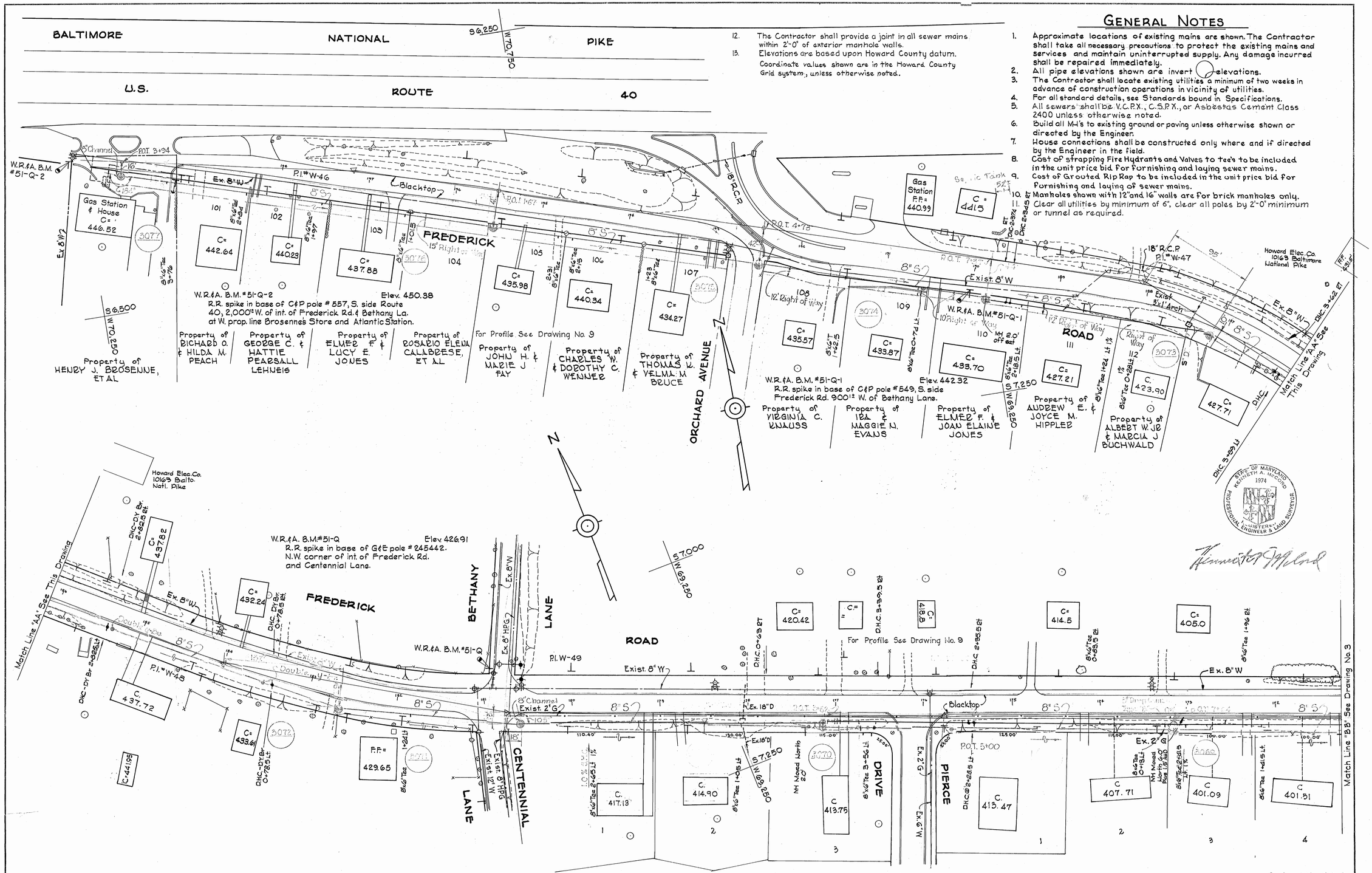
186-S/1

WS

E. ELLICOTT CO., PGH., PA. REORDER A-21630

GENERAL NOTES

1. Approximate locations of existing mains are shown. The Contractor shall take all necessary precautions to protect the existing mains and services and maintain uninterrupted supply. Any damage incurred shall be repaired immediately.
2. All pipe elevations shown are invert 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. All sewers shall be V.C.P.X., C.S.P.X., or Asbestos Cement Class 2400 unless otherwise noted.
6. Build all M-H's to existing ground or paving unless otherwise shown or directed by the Engineer.
7. House connections shall be constructed only where and if directed by the Engineer in the field.
8. Cost of strapping Fire Hydrants and Valves to tee's to be included in the unit price bid for Furnishing and laying sewer mains.
9. Cost of Grouted Rip Rap to be included in the unit price bid for Furnishing and laying of sewer mains.
10. Manholes shown with 12" and 16" walls are for brick manholes only.
11. Clear all utilities by minimum of 6", clear all poles by 2'-0" minimum or tunnel as required.
12. The Contractor shall provide a joint in all sewer mains within 2'-0" of exterior manhole walls.
13. Elevations are based upon Howard County datum. Coordinate values shown are in the Howard County Grid system, unless otherwise noted.



WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION 9-25-68 (DATE) W O Fallert (CHIEF ENGINEER)	CONTRACT NO. 186-S	PLAN OF SEWER MAINS	ELLICOTT CITY FONT HILL MANOR, GLEN BROOK, OAK LEA ELECTION DISTRICT-ELLICOTT CITY No. 2	DRAWING NO. 2 OF 12	SCALE 1"=50'

Contract No. 186-S

W. O. 5839-2

AS BUILT Dec 2, 1969

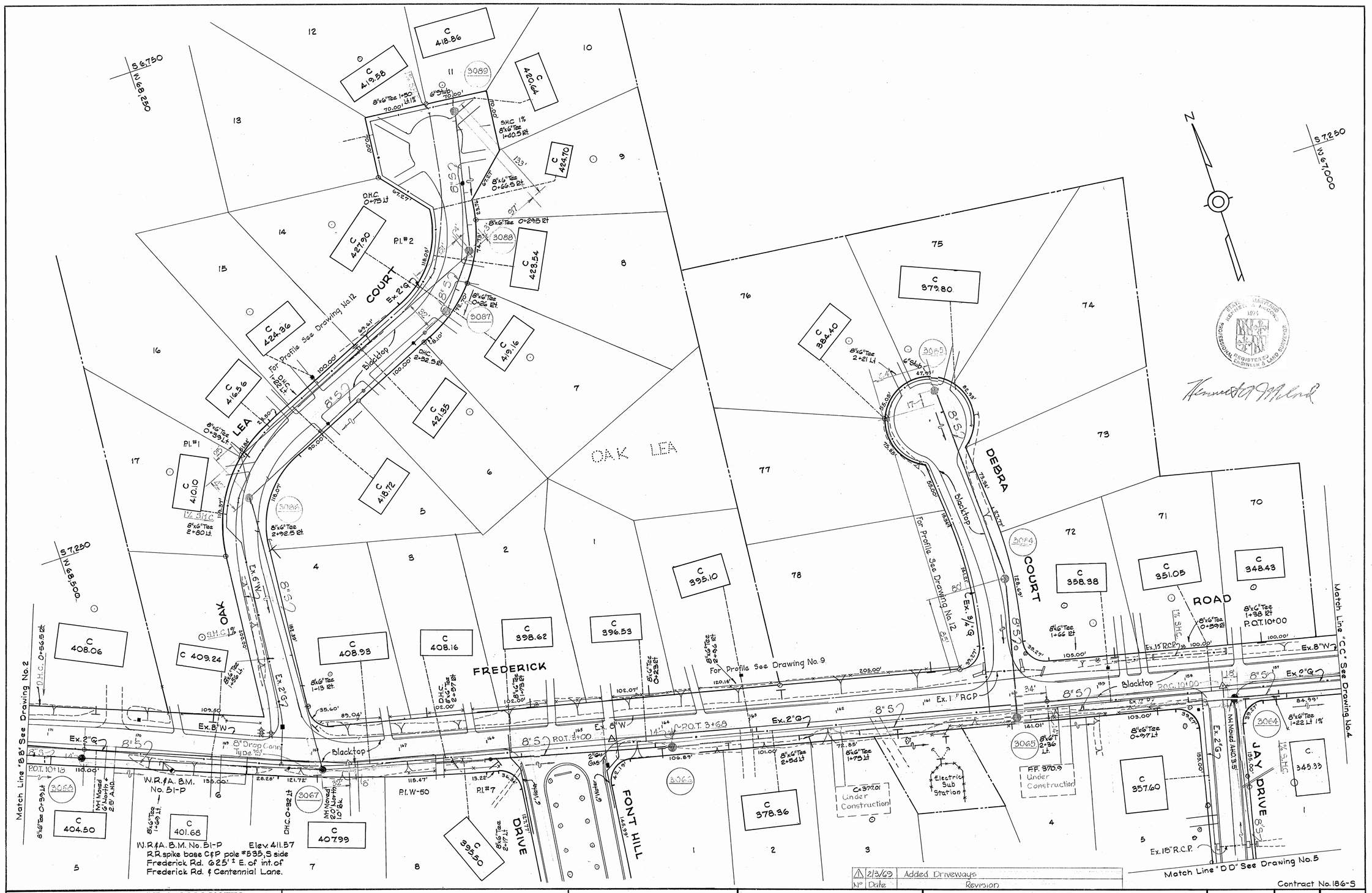
F.B. 2162

7SW48, 8SW47, 8SW46

186-S/2

SM

K. ELLIOTT CO., PGH., PA. REORDER A-9031



WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION 9-25-68 (DATE) W O Fulbert (CHIEF ENGINEER)	CONTRACT NO. 186-S	PLAN OF SEWER MAINS	ELLICOTT CITY FONT HILL MANOR, GLEN BROOK, OAK LEA ELECTION DISTRICT ELLICOTT CITY No. 2	DRAWING NO. 3 OF 12	SCALE 1"=50'

73W46, 83W46, 85W45, 93W45
F.B. 3896, 2088, 1960, 2360, 4016

W. O. 5839-2

AS BUILT Dec. 2, 1969

186-S/3

WS

I. K. ELLIOTT CO., PGH., PA. REORDER A-9031

Note: The Contractor shall notify Colonial Pipe Line Co. 72 hours prior to any construction activities in vicinity of Colonial's Pipe Line by calling Colonial's Division Office, Richmond, Va. Area Code 703, 282-9771 or Mr. S.H. Crumlich, Area Superviser, Timonium, Md., 795-1390.

W.R.&A. B.M.#51-M Elev. 356.275
R.R. spike base G&E pole #216832
N. side Frederick Road, 1400'± W. of Dogwood Road.

W.R.&A. B.M.# 34-Z-5 Elev. 352.407 (M.C. datum)
X-cut on S.W. top end of bridge headwall at Frederick Rd. & Little Patuxent River, 3'± right of ℄ Sta. 12+25 between P.I. No. W-50 & W-51.

W.R.&A. B.M.#51-L Elev. 376.70
R.R. Spike in base of G&E pole #68947 N. side Frederick Rd. 400'± W. of int. of Dogwood and Frederick Roads.

No.	Date	Revision
3	6-17-69	Changed location of MH 3055
1	2-3-69	Added Driveways and houses

Contract No. 186-S

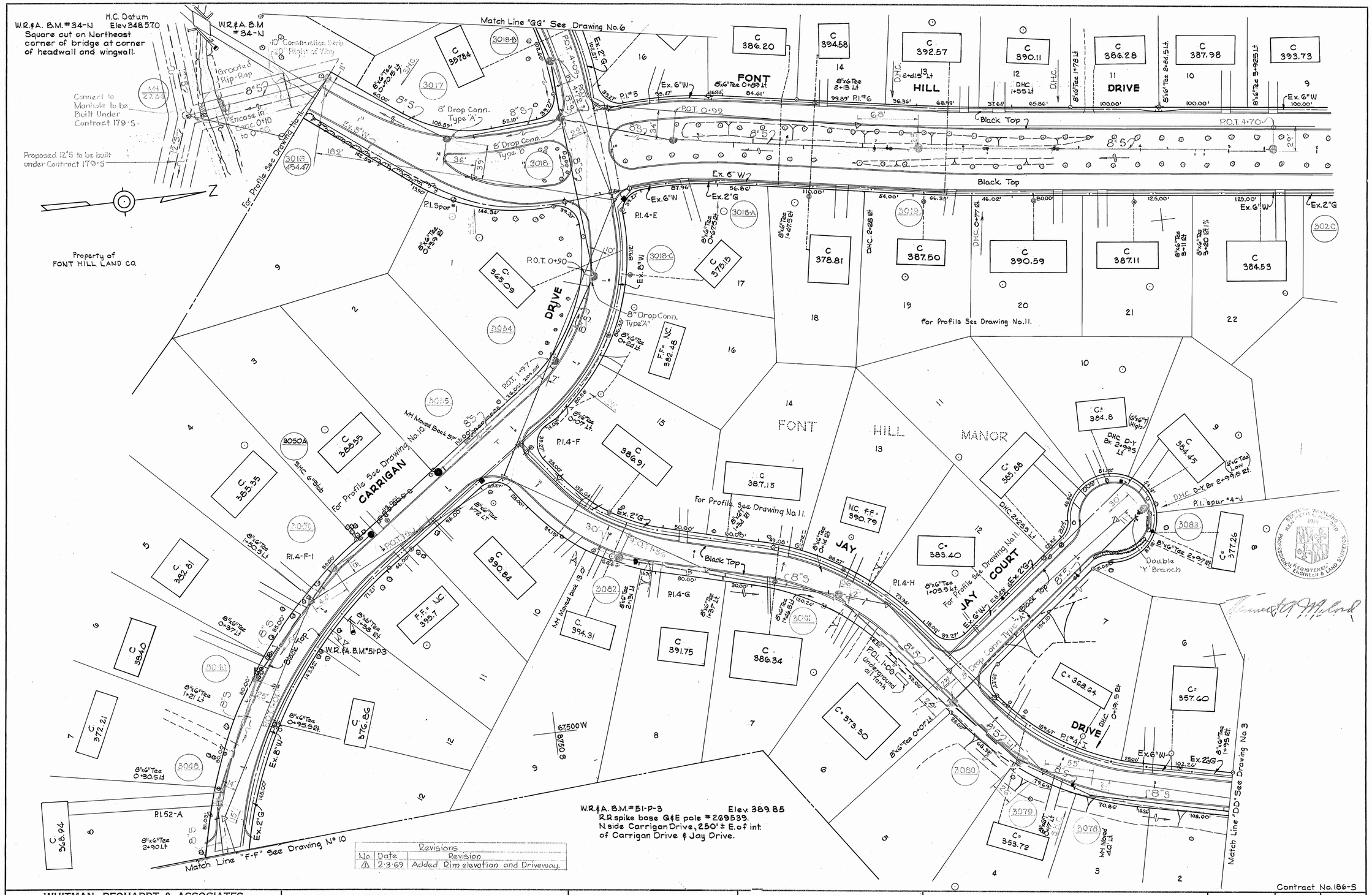
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION 9-25-68 (DATE) — W O Filbert (CHIEF ENGINEER)	CONTRACT NO. 186-S	PLAN OF SEWER MAINS	ELLICOTT CITY FONT HILL MANOR, GLEN BROOK, OAK LEA ELECTION DISTRICT-ELLICOTT CITY No. 2	DRAWING NO. 4 OF 12	SCALE 1"=50'	85W44, 95W44 95W45, 85W45

W. O. 5839-2

Dec. 2, 1969 AS BUILT FB 3747, 1560

WS 186-S/4

. K. ELLIOTT CO., PGH., PA. REORDER A-9031



Revisions		
No.	Date	Revision
1	2-3-69	Added Rim elevation and Driveway.

Contract No. 186-S

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION 9-25-68 W O Filbert DATE CHIEF ENGINEER	CONTRACT NO. 186-S	PLAN OF SEWER MAINS	ELLICOTT CITY FONT HILL MANOR, GLEN BROOK, OAK LEA ELECTION DISTRICT-ELLICOTT CITY No. 2	DRAWING NO. 5 OF 12	SCALE 1"=50'

85W46, 95W46, 95W45

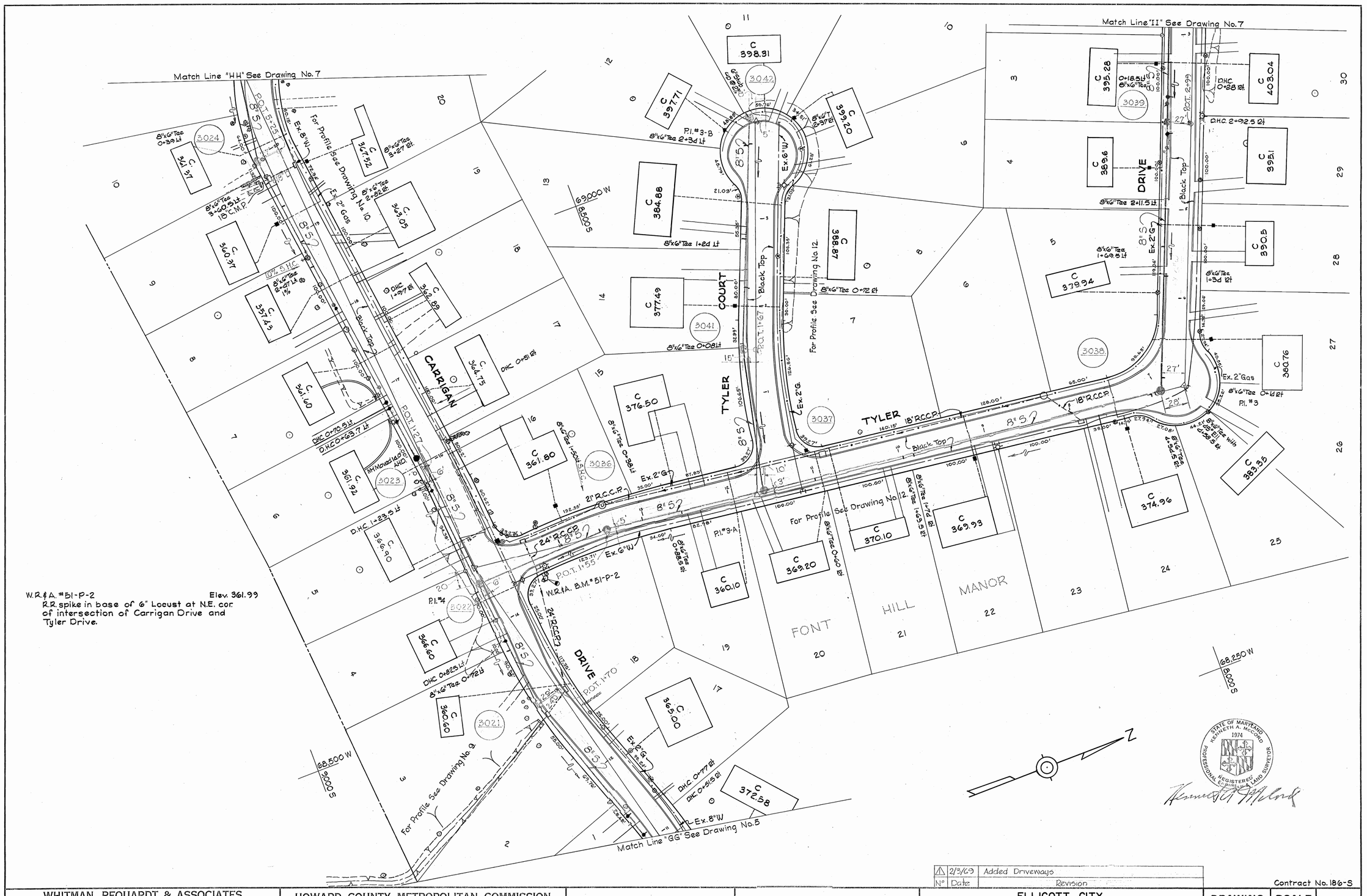
W.O. 5839-2

AS BUILT DEC 2, 1969

F.B. 2161, 2360, 4610, 2357, 3571

WS 186-S/5

J. K. ELLIOTT CO., PGH., PA. REORDER A-9031



N°	Date	Revision
1	2/3/69	Added Driveways

Contract No. 186-S

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION 9-25-68 DATE — W O Fulbert CHIEF ENGINEER	CONTRACT NO. 186-S	PLAN OF SEWER MAINS	ELLICOTT CITY FONT HILL MANOR, GLEN BROOK, OAK LEA ELECTION DISTRICT-ELLICOTT CITY No. 2	DRAWING NO. 6 OF 12	SCALE 1"=50'	85W46, 95W46

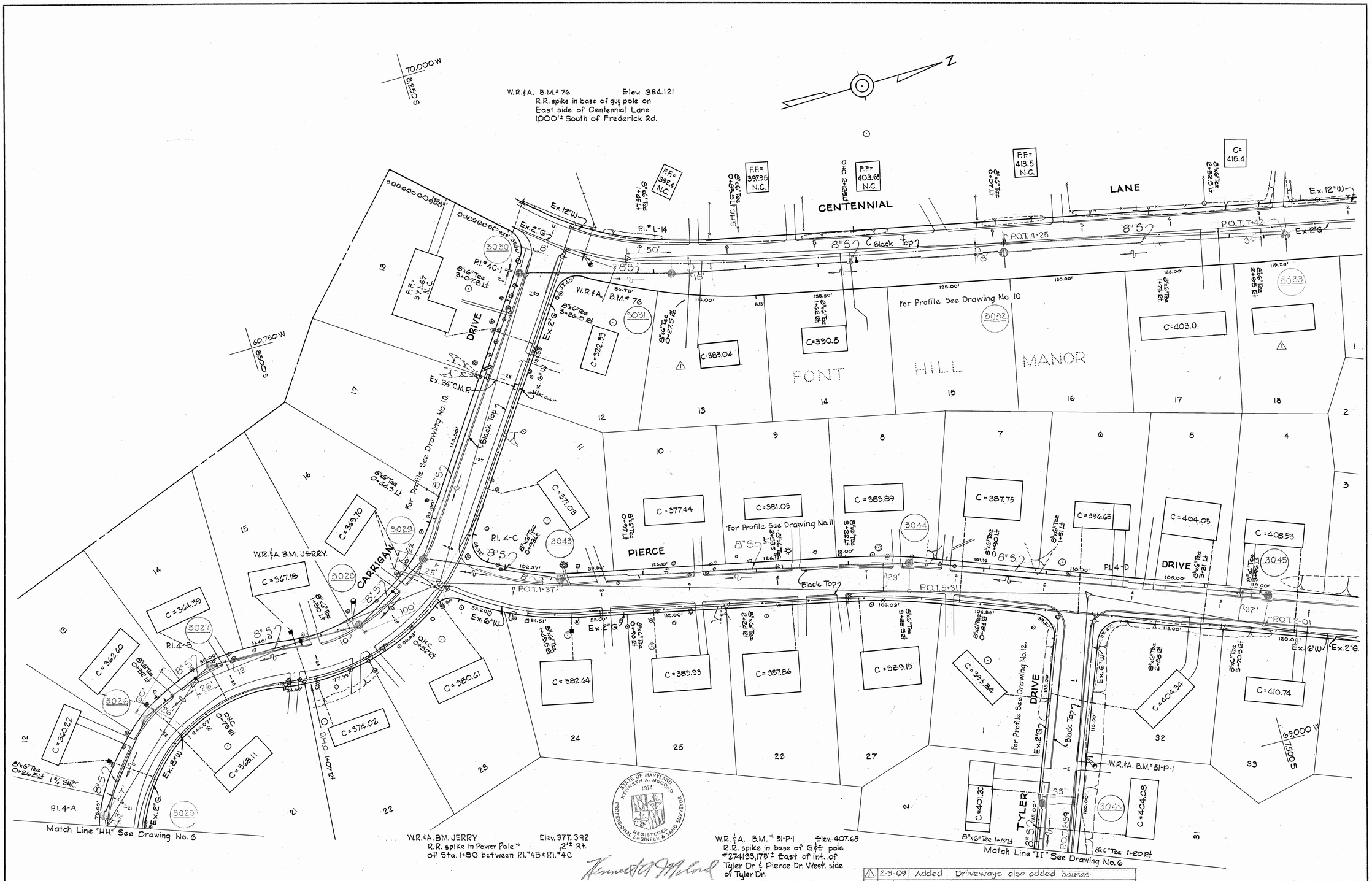
W. O. 5839-2

AS BUILT Dec. 2, 1969

F.B. 2360, 4610

K. ELLICOTT CO., PGH., PA. REORDER A-9031

WS 186-S/6



N°	Date	Revision
1	2-3-69	Added Driveways also added houses

Contract No. 186-S

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION 6-25-68 DATE W O Falbert CHIEF ENGINEER	CONTRACT NO. 186-S	PLAN OF SEWER MAINS	ELLICOTT CITY FONT HILL MANOR, GLEN BROOK, OAK LEA ELECTION DISTRICT-ELLICOTT CITY No. 2	DRAWING NO. 7 OF 12	SCALE 1"=50'

85W47, 95W47
85W46, 95W46

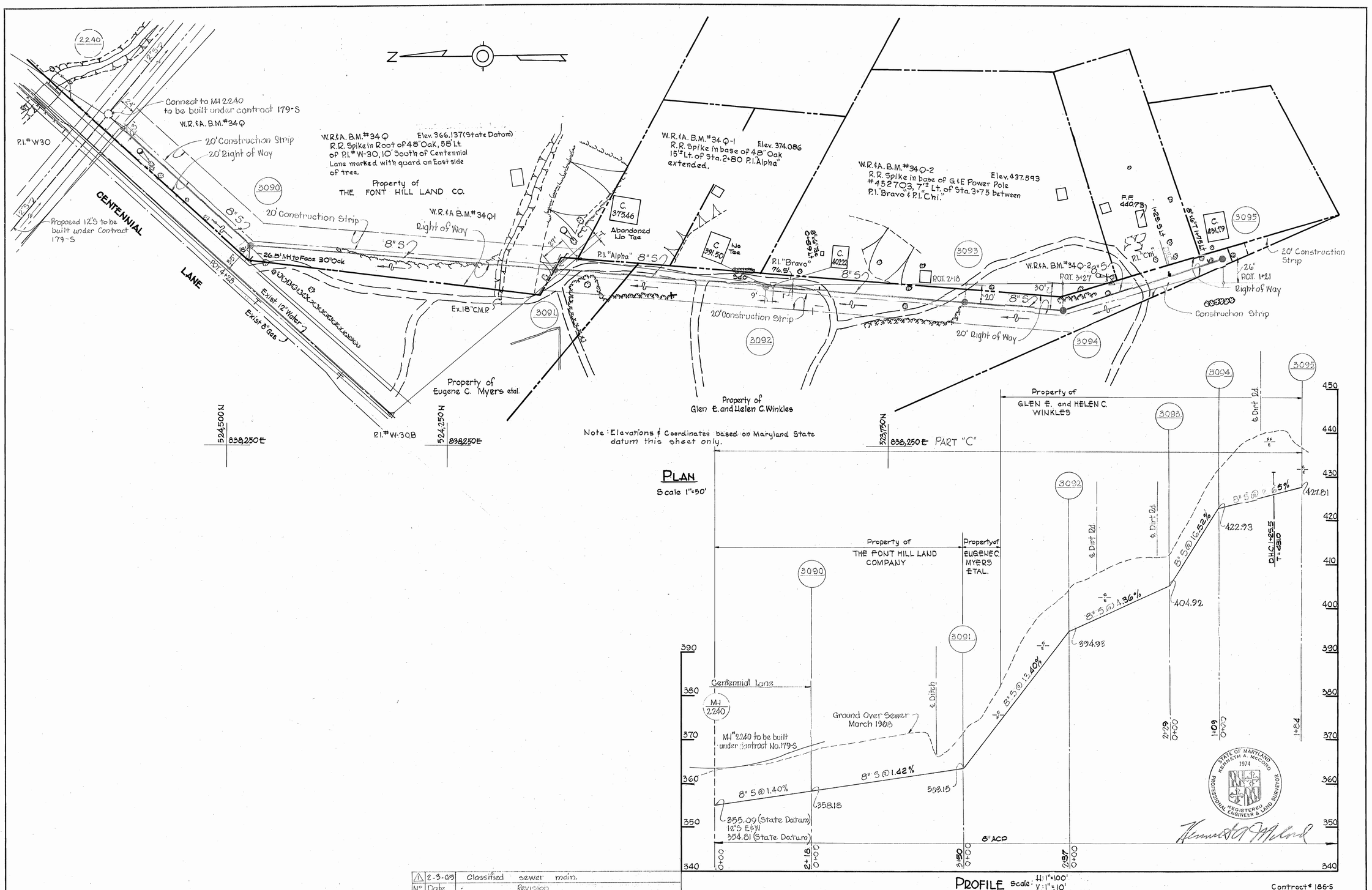
W. O. 5839-2

AS BUILT Dec 2, 1969

F.B. 3540, 3571

K. ELLIOTT CO., PGH., PA. REORDER A-9031

WS 186-S/7



N°	Date	Revision
1	2-3-69	Classified sewer main.

Contract # 186-S

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION 9-25-68 DATE — CHIEF ENGINEER	CONTRACT NO. 186-S	PLAN AND PROFILES OF SEWER MAINS	ELLICOTT CITY FONT HILL MANOR, GLEN BROOK, OAK LEA ELECTION DISTRICT ELLICOTT CITY No. 2	DRAWING NO. 8 OF 12	SCALE AS SHOWN

W. O. 5829-2

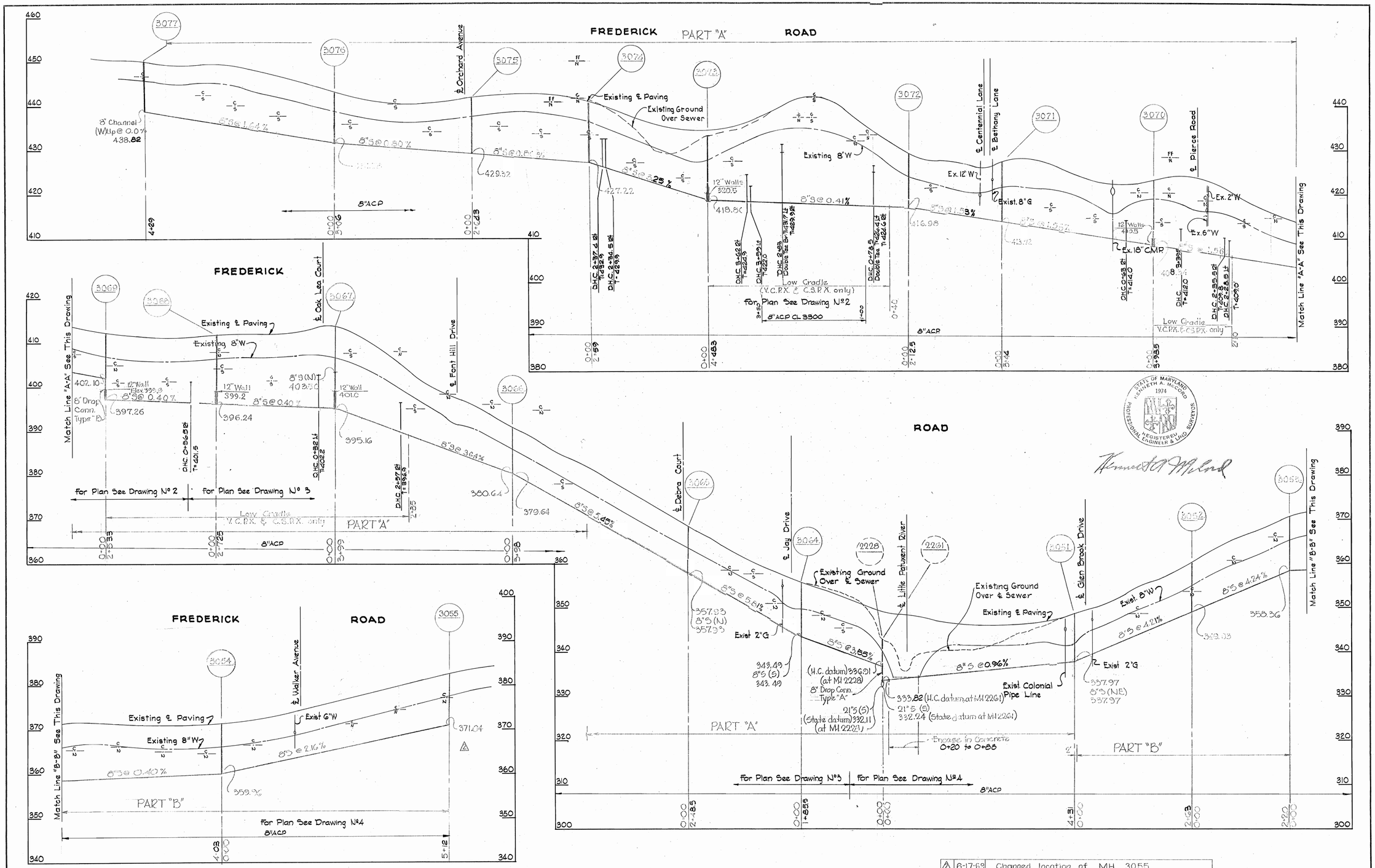
AS BUILT Dec. 2, 1969

FB. 4088

523-480
524-480

WS 186-S/8

K. ELLIOTT CO., PGH., PA. REORDER A-21890



No	Date	Revision
4	6-17-69	Changed location of MH 3055
1	2-3-69	Classified sewer main.

Contract #186-S

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION 9-25-68 (DATE) — W O Fulbert (CHIEF ENGINEER)	CONTRACT NO. 186-S	PROFILES OF SEWER MAINS	ELLICOTT CITY FONT HILL MANOR, GLEN BROOK, OAK LEA ELECTION DISTRICT-ELLICOTT CITY No. 2	DRAWING NO. 9 OF 12	SCALE H: 1"=100' V: 1"=10'

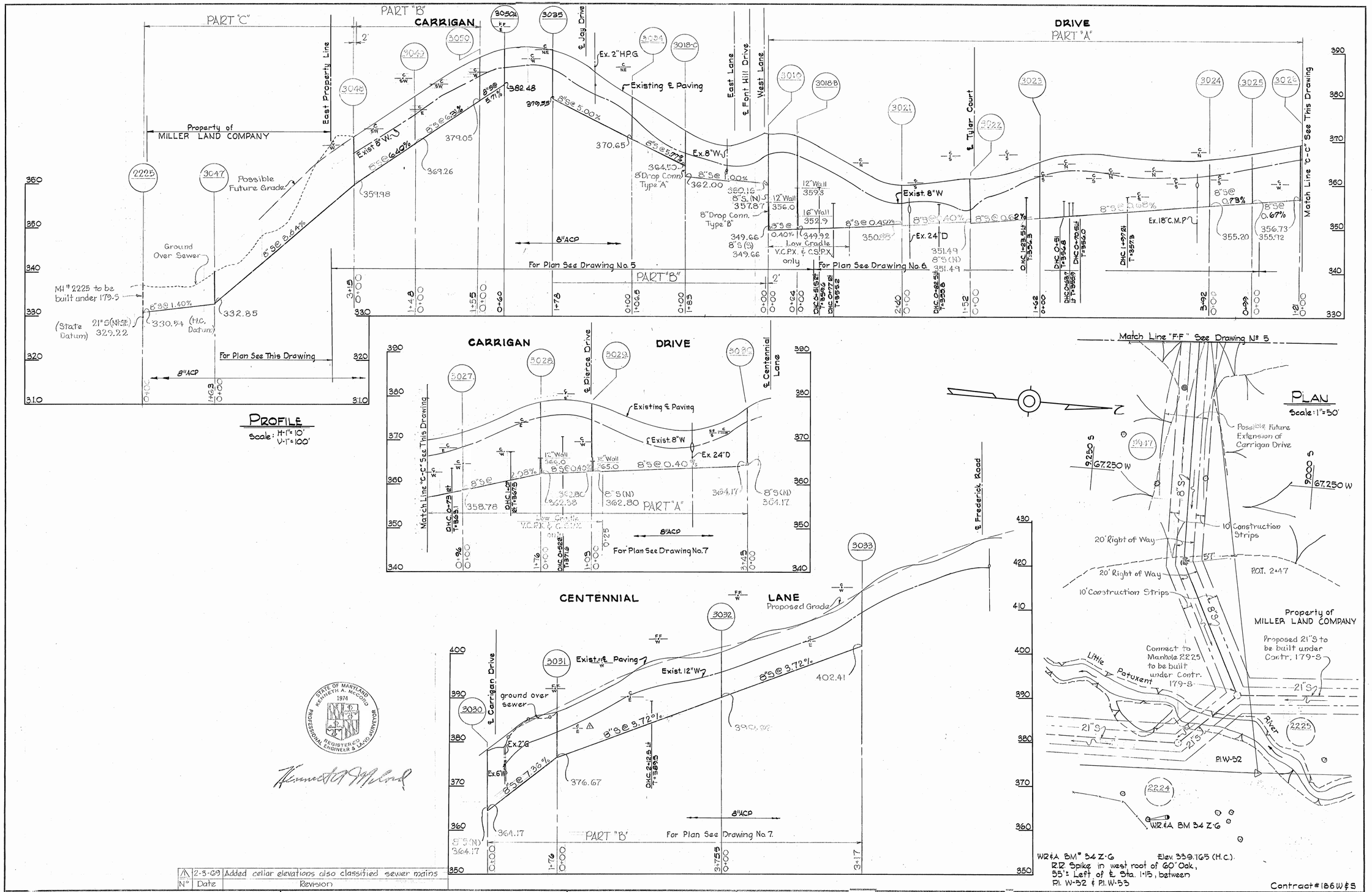
W. O. 5839-2

AS BUILT Dec. 2, 1969

186-S/9

WS

K. ELLIOTT CO., PGH., PA. REORDER A-9031



N°	Date	Revision
1	2-3-69	Added cellar elevations also classified sewer mains

Contract #186 W&S

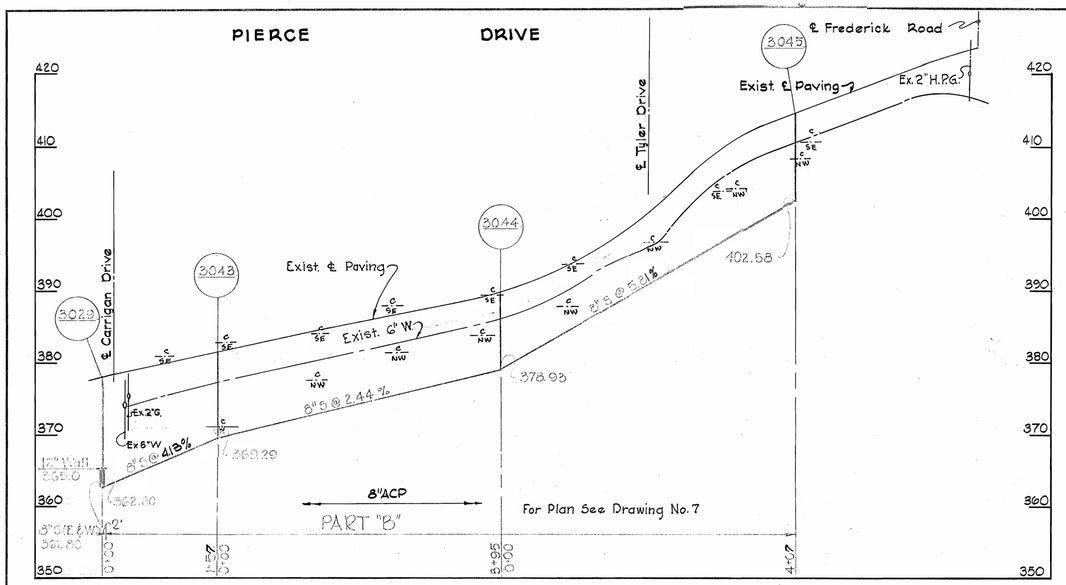
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION 9-25-68 (DATE) — W O Falbert (CHIEF ENGINEER)	CONTRACT NO. 186-S	PLAN AND PROFILES OF SEWER MAINS	ELLICOTT CITY FONT HILL MANOR, GLEN BROOK, OAK LEA ELECTION DISTRICT-ELLICOTT CITY No. 2	DRAWING NO. 10 OF 12	SCALE AS SHOWN

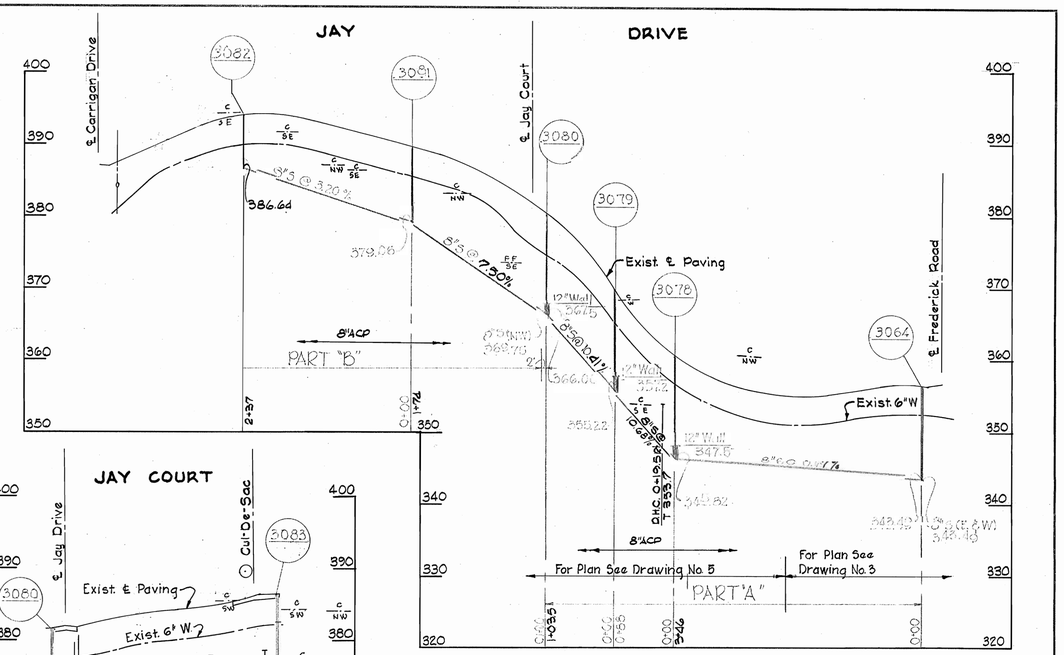
W. O. 5839-2

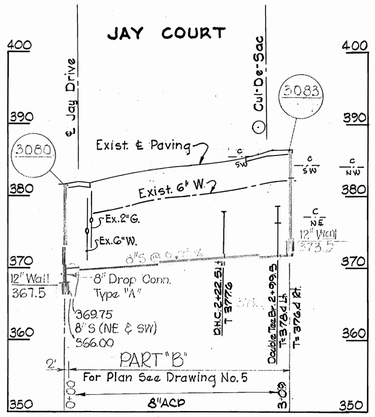
Dec. 2, 1969, AS BUILT

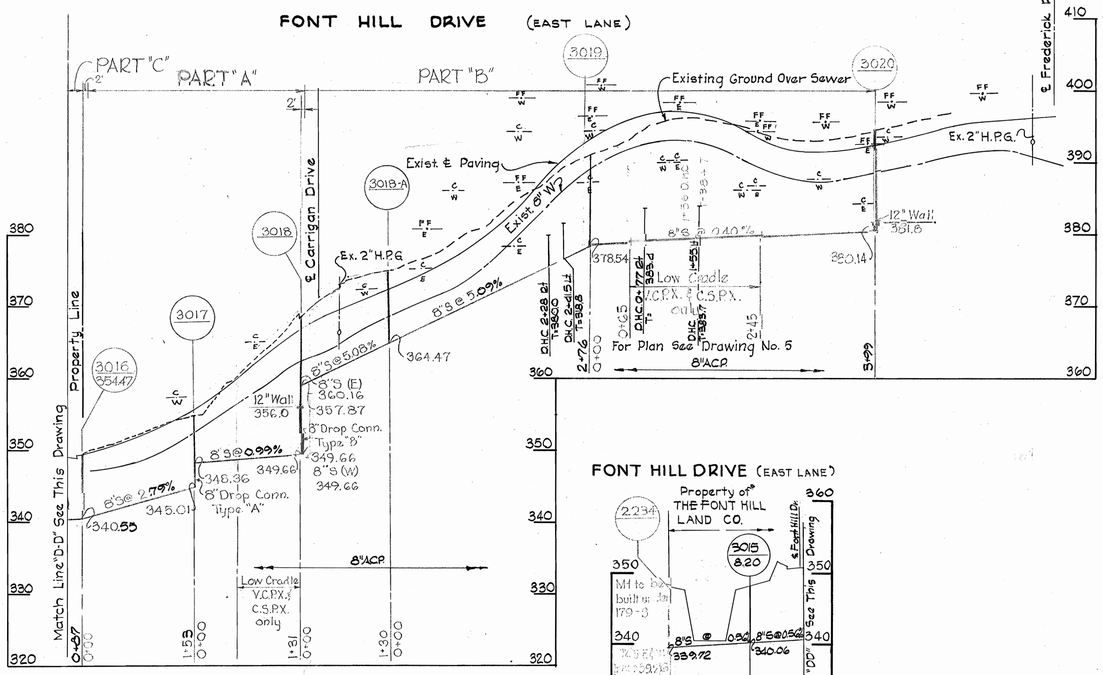
W5 186-S/10

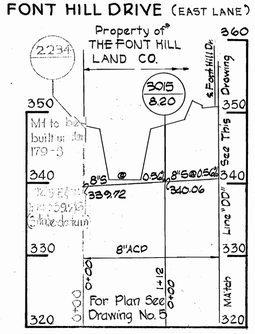
K. ELLIOTT CO., PGH., PA. REORDER A-9031











N°	Date	Revision
1	2-3-69	Added cellar elevations also classified sewer mains

Contract 186-S

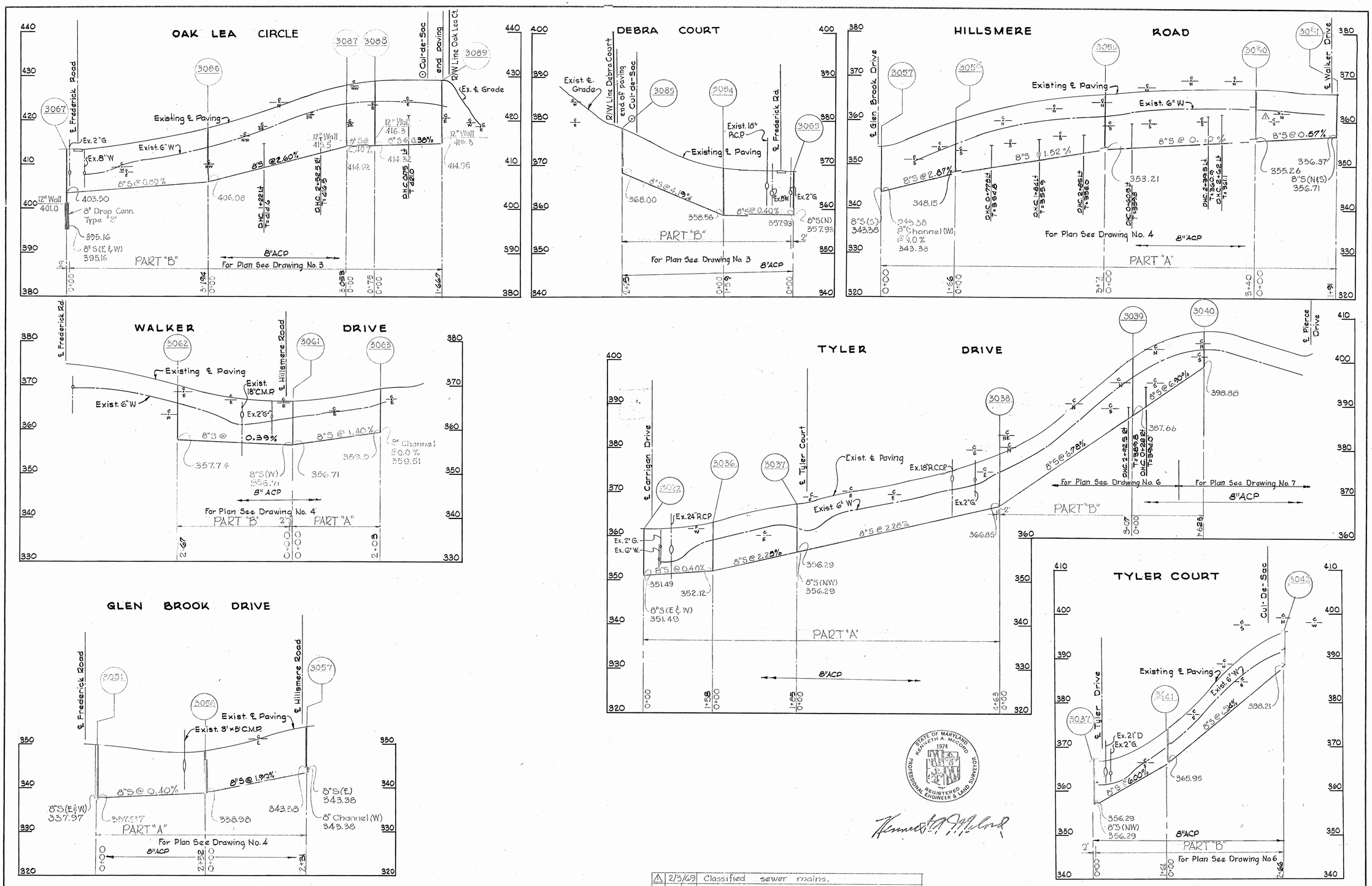
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION 6-25-68 (DATE) — W. O. Gilbert (CHIEF ENGINEER)	CONTRACT NO. 186-S	PROFILES OF SEWER MAINS	ELLICOTT CITY FONT HILL MANOR, GLEN BROOK, OAK LEA ELECTION DISTRICT-ELLICOTT CITY No. 2	DRAWING NO. 11 OF 12 SCALE H:1"=100' V:1"=10'

W. O. 5839-2

Dec. 2, 1969 AS BUILT

K. ELLIOTT CO., PGH., PA. REORDER A-9031

WS 186-S/11



N°	Date	Revision
1	2/3/69	Classified sewer mains.

Contract # 186-S

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION 6-28-68 (DATE) — CHIEF ENGINEER	CONTRACT NO. 186-S	PROFILES OF SEWER MAINS	ELLICOTT CITY FONT HILL MANOR, GLEN BROOK, OAK LEA ELECTION DISTRICT-ELLICOTT CITY No. 2	DRAWING NO. 12 OF 12 SCALE H: 1"=100' V: 1"=10'

W. O. 5839-2

Dec. 2, 1969 AS BUILT

K. ELLIOTT CO., PGH., PA. REORDER A-9031

WS 186-S/12