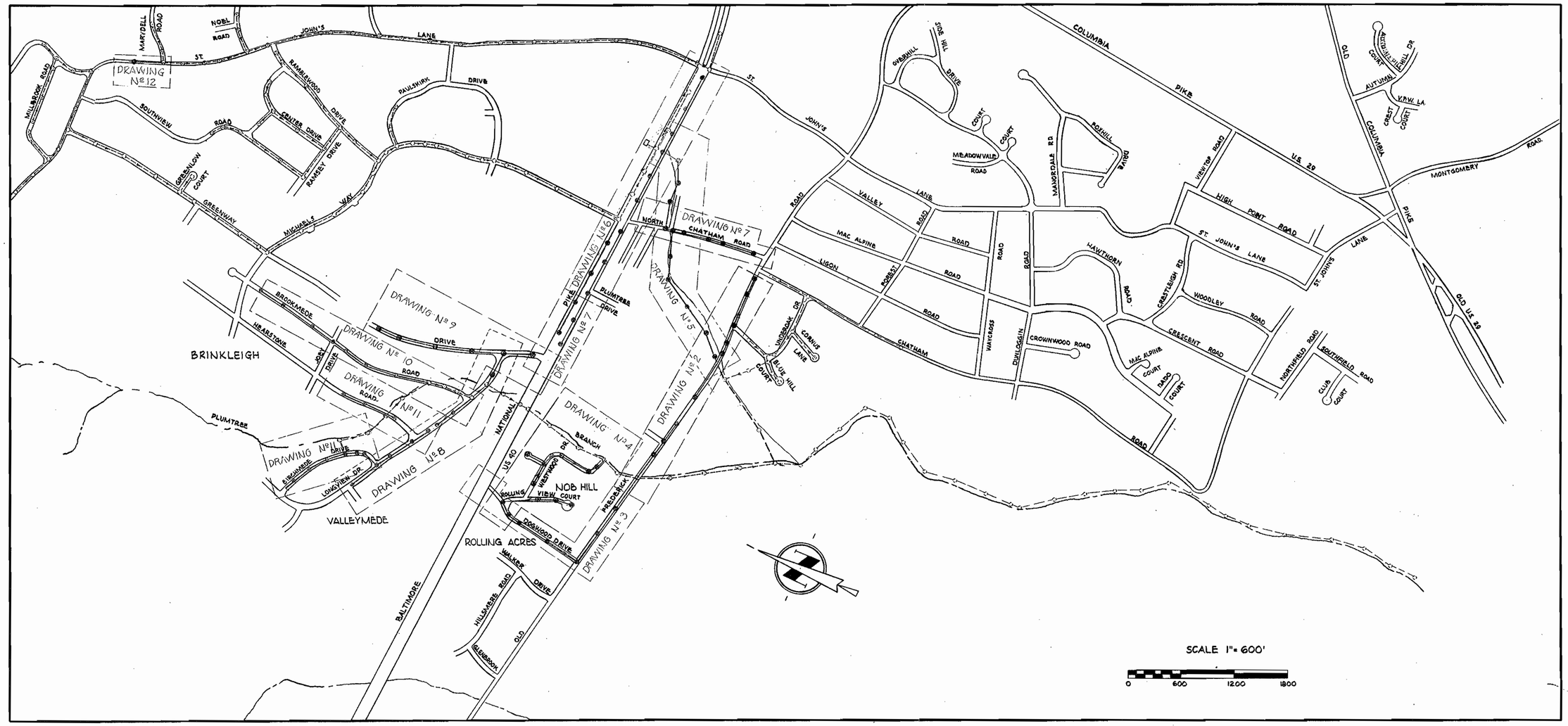


CONTRACT 130-S
SEWER MAIN EXTENSIONS
HOWARD COUNTY METROPOLITAN COMMISSION
ELLICOTT CITY, MARYLAND

Kenneth A. Melrod

Contract No. 130-S

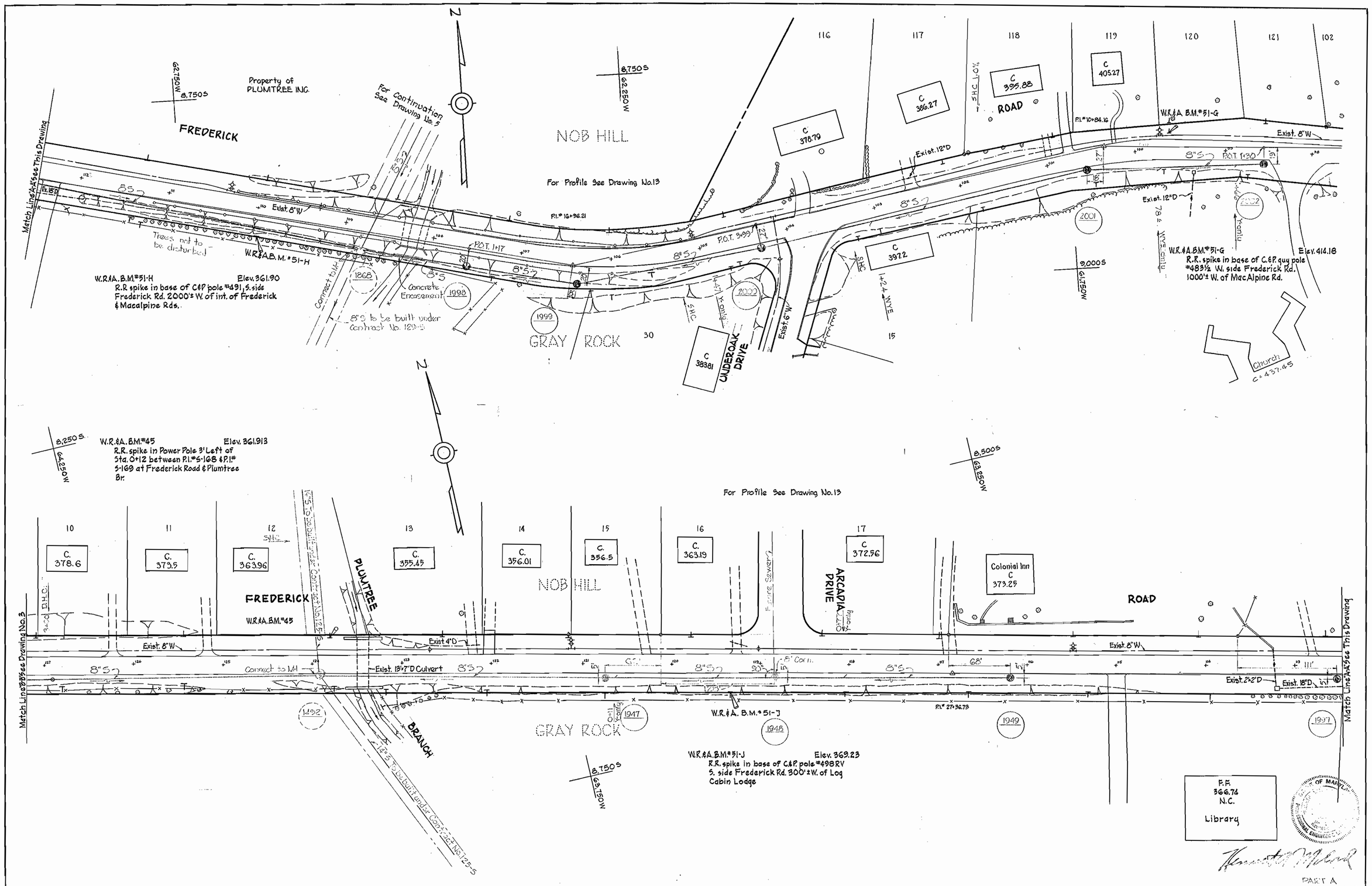
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION 2-28-67 (DATE) — W. O. Gilbert (CHIEF ENGINEER)	CONTRACT NO. 130-S	LOCATION MAP OF SEWER MAIN EXTENSIONS	ELECTION DISTRICT ELLICOTT CITY NO. 2	DRAWING NO. 1 OF 16	SCALE AS SHOWN

W. O. 5562-2

1 MAR. 67

WS 130-S/1

B. K. ELLIOTT CO., PGH., PA. REORDER A-33371



WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION 2-28-67 DATE — W O Filbert CHIEF ENGINEER	CONTRACT NO. 130-S	PLAN OF SEWER MAINS	ELECTION DISTRICT ELLICOTT CITY NO. 2	DRAWING NO. 2 OF 16	SCALE 1" = 50'

PART A
Contract No. 130-S

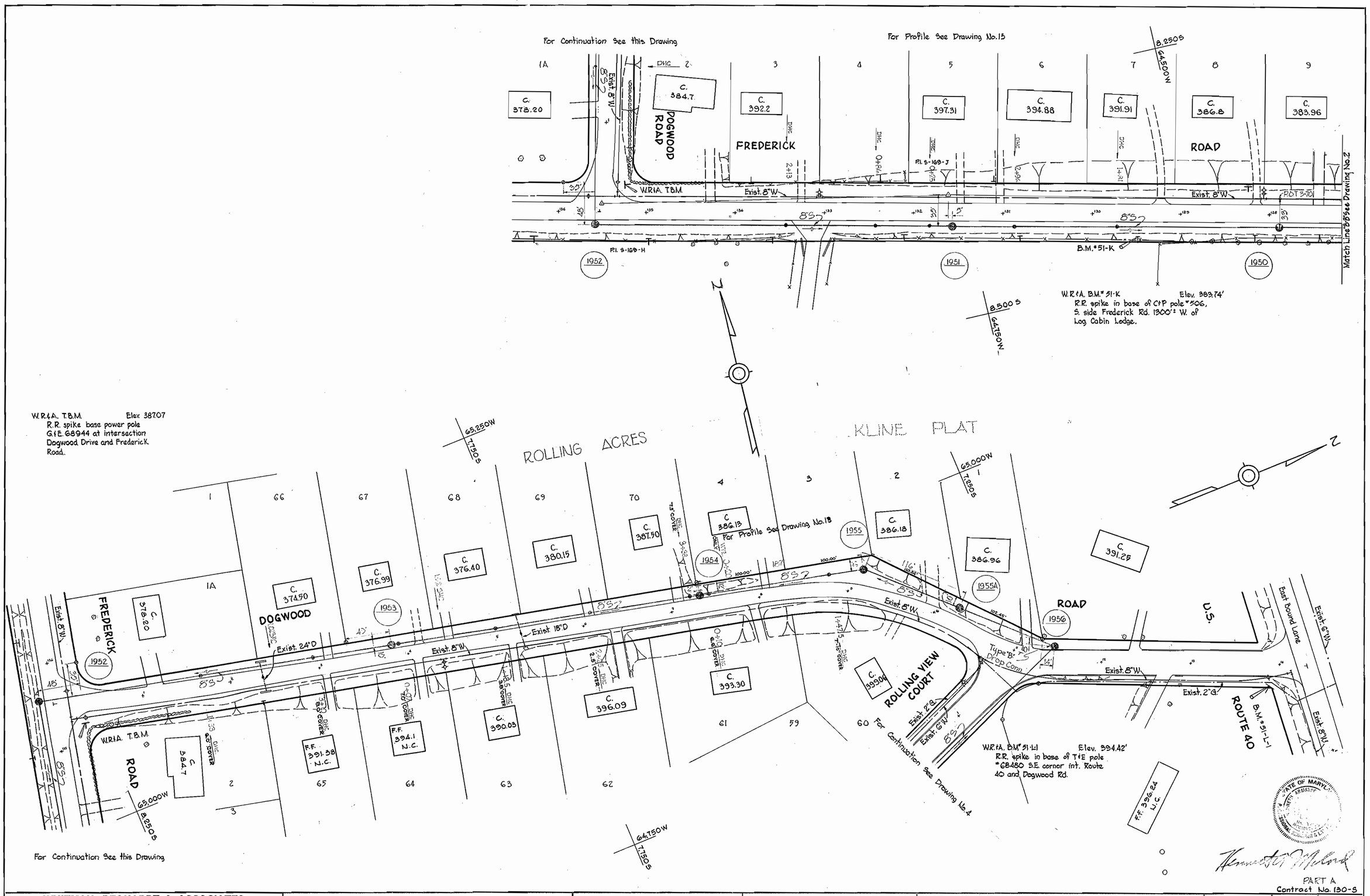
W. O. 5562-2

1 MAR. 67

F.B. 2149

WS 130-S/2

B. K. ELLIOTT CO., PGH., PA. REORDER A-33371



WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION 7-28-67 DATE — W.O. Gilbert CHIEF ENGINEER	CONTRACT NO. 130-S	PLAN OF SEWER MAINS	ELECTION DISTRICT ELLICOTT CITY NO.2	DRAWING NO. 3 OF 16	SCALE 1" = 50'

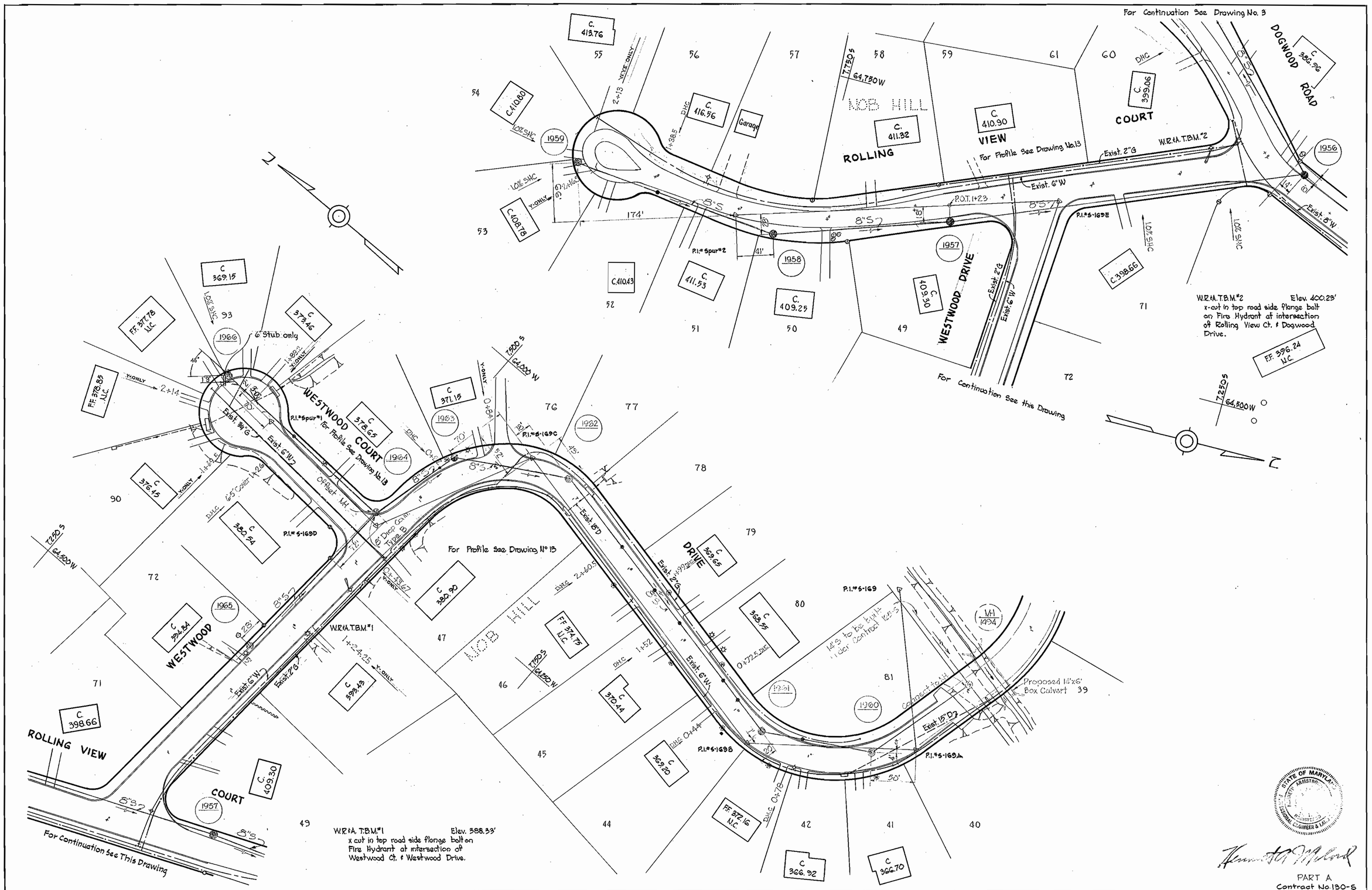
W. O. 5562-2

1 MAR. 67

PB. 2165

WS 130-S/3

B. K. ELLIOTT CO., PGH., PA. REORDER A-33371



PART A
Contract No. 130-S

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION 2-28-67 (DATE) — W O Filbert (CHIEF ENGINEER)	CONTRACT NO. 130-S	PLAN OF SEWER MAINS	ELECTION DISTRICT ELLICOTT CITY NO. 2	DRAWING NO. 4 OF 16	SCALE 1" = 50'

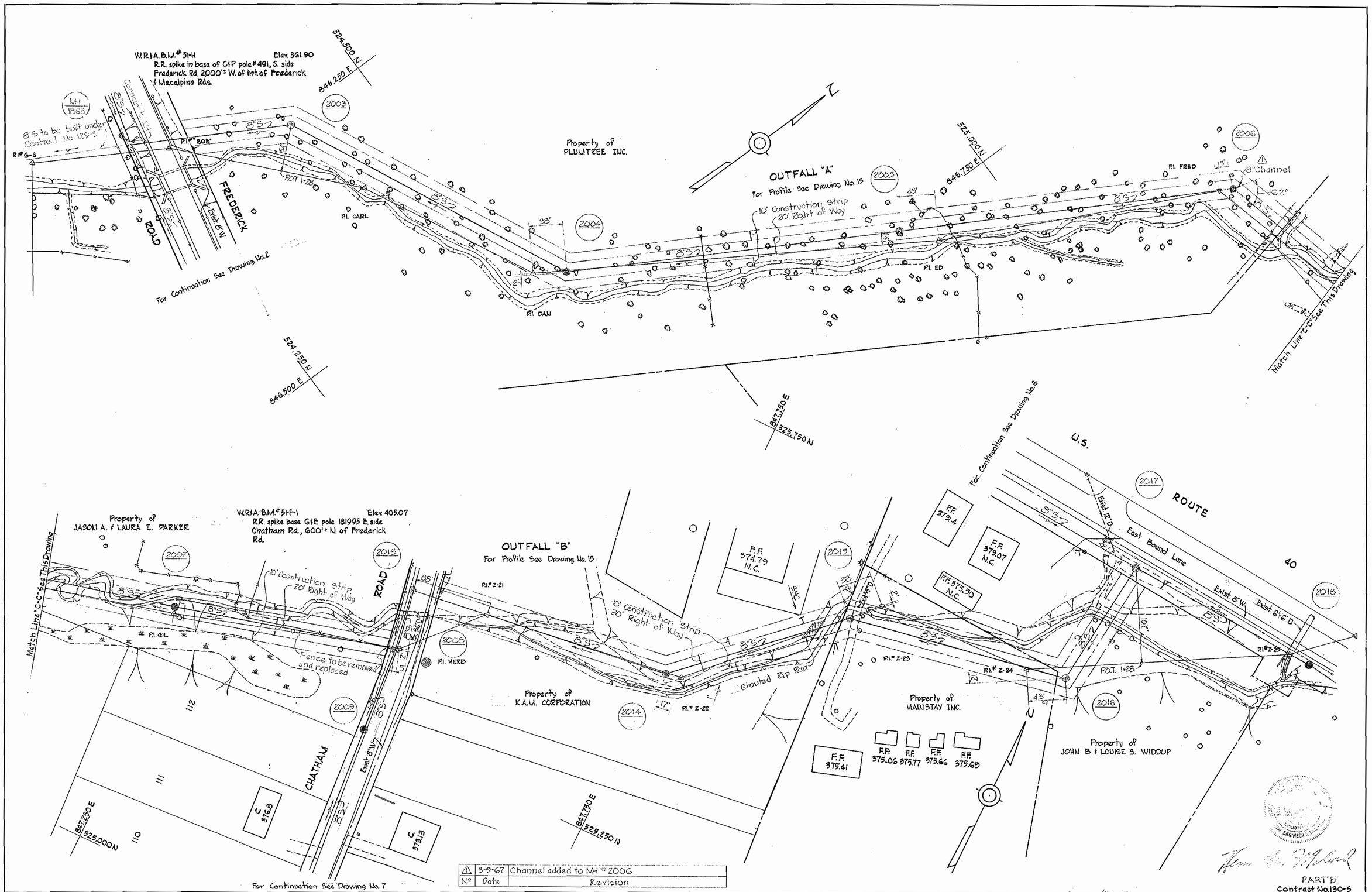
W. O. 5562-2

1 MAR. 67 FB-3747

AS BUILT

WS 130-S/4

B. K. ELLIOTT CO., PGH., PA. REORDER A-33371



Nº	Date	Revision
1	3-9-67	Channel added to MH # 2006

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION 2-28-67 DATE — W O Filbert CHIEF ENGINEER	CONTRACT NO. 130-S	PLAN OF SEWER MAINS	ELECTION DISTRICT ELLICOTT CITY NO. 2	DRAWING NO. 5 OF 16	SCALE 1" = 50'

524-484
525-484
525-485

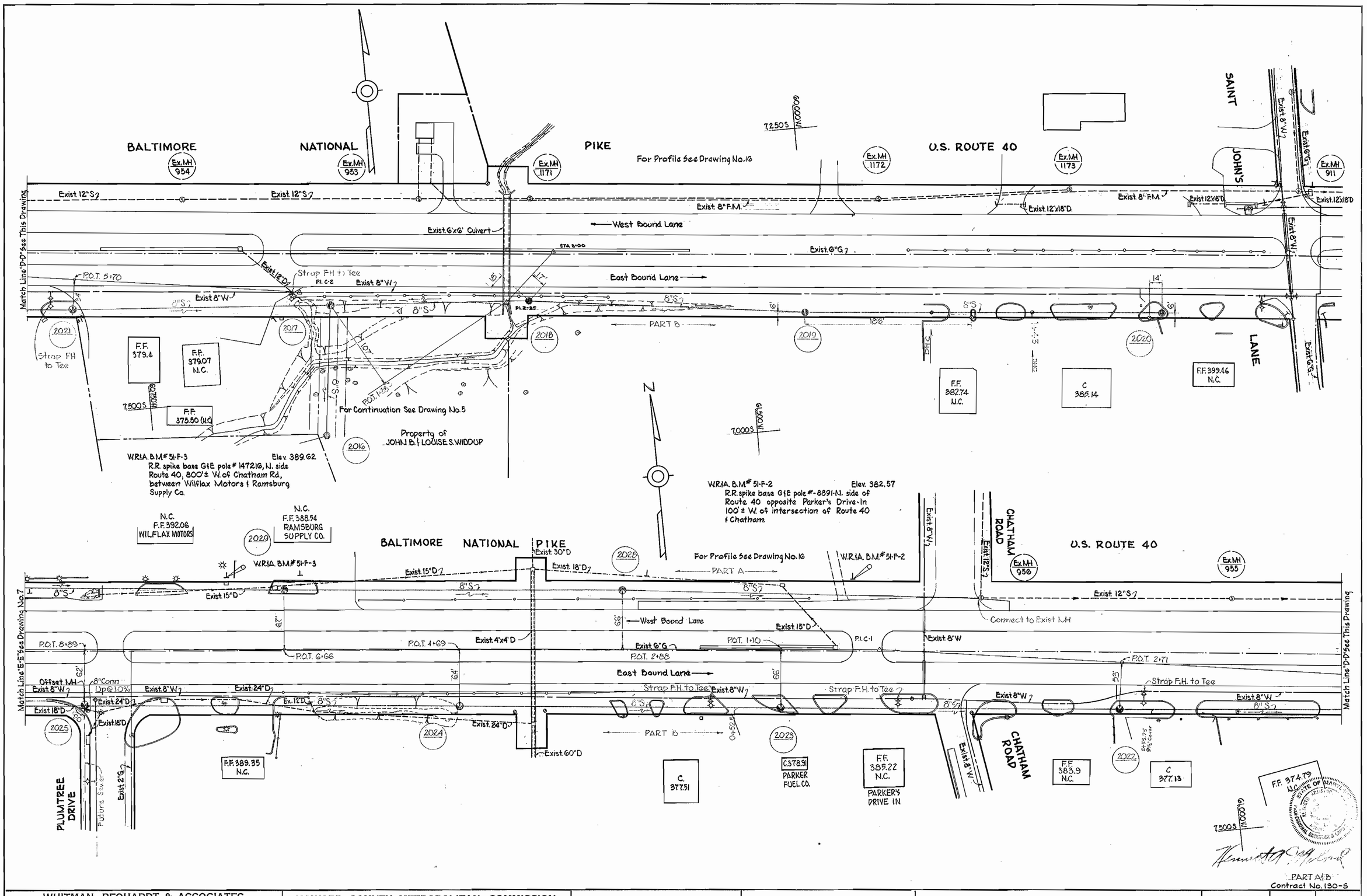
W. O. 5562-2

9 MAR. 67

FB. 3721
FB. 3721

WS 130-S/5

R. K. ELLIOTT CO., PGH., PA. REORDER A-33371



WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION 2-28-67 DATE — CHIEF ENGINEER	CONTRACT NO. 130-S	PLAN OF SEWER MAINS	ELECTION DISTRICT ELLICOTT CITY NO.2	DRAWING NO. 6 OF 16	SCALE 1"=50'

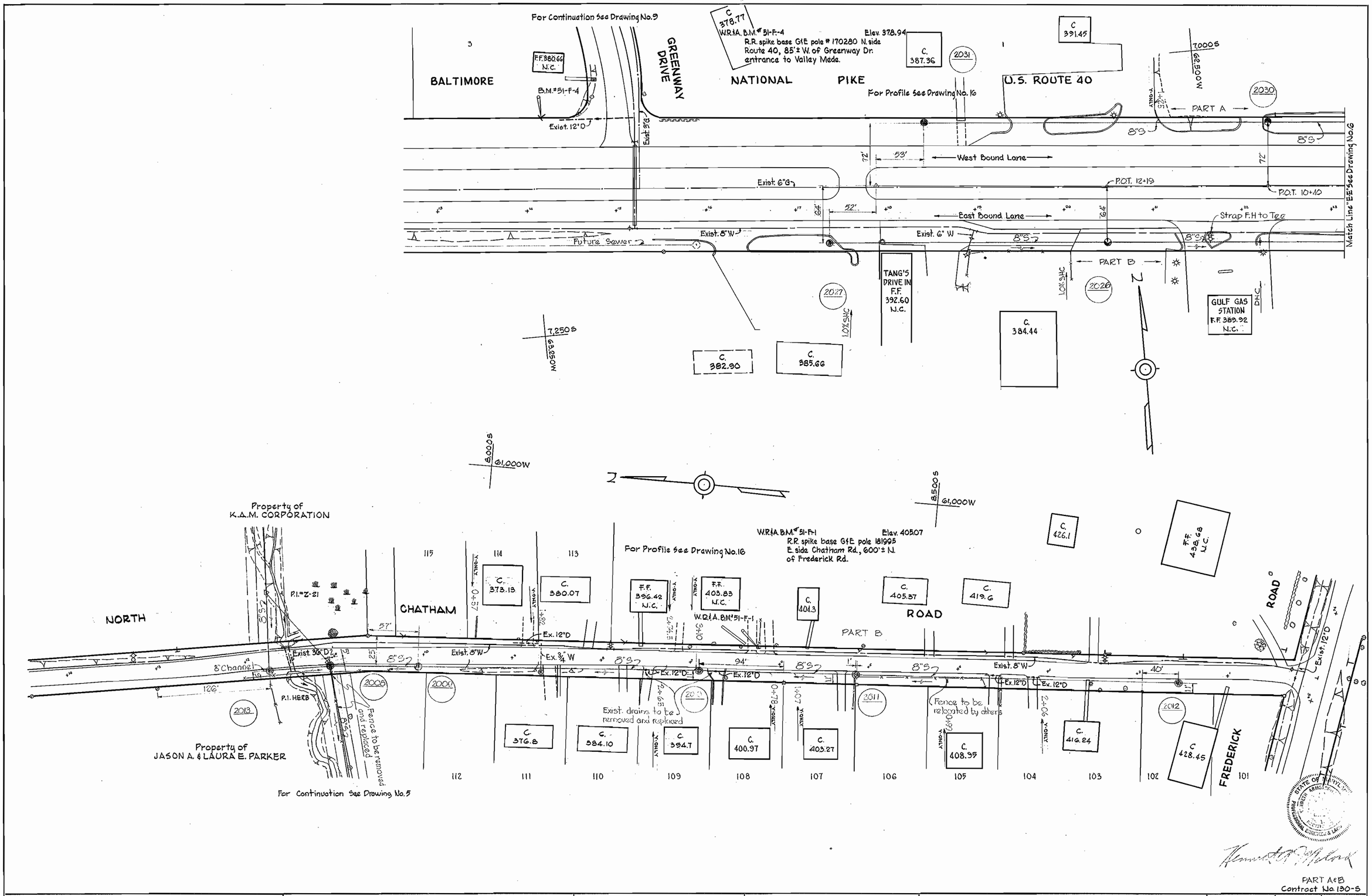
W. O. 5562-2

1 MAR. 67 AS BUILT

F.D.'S 2117 2128

WS 130-S/6

B. K. ELLIOTT CO., PGH., PA. REORDER A-33371



PART A&B
Contract No. 130-S

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION 2-28-67 DATE — W O Filbert CHIEF ENGINEER	CONTRACT NO. 130-S	PLAN OF SEWER MAINS	ELECTION DISTRICT ELLICOTT CITY NO.2	DRAWING NO. 7 OF 16	SCALE 1"=50'	8SW41, 42, 43, 9SW41, 10SW41,

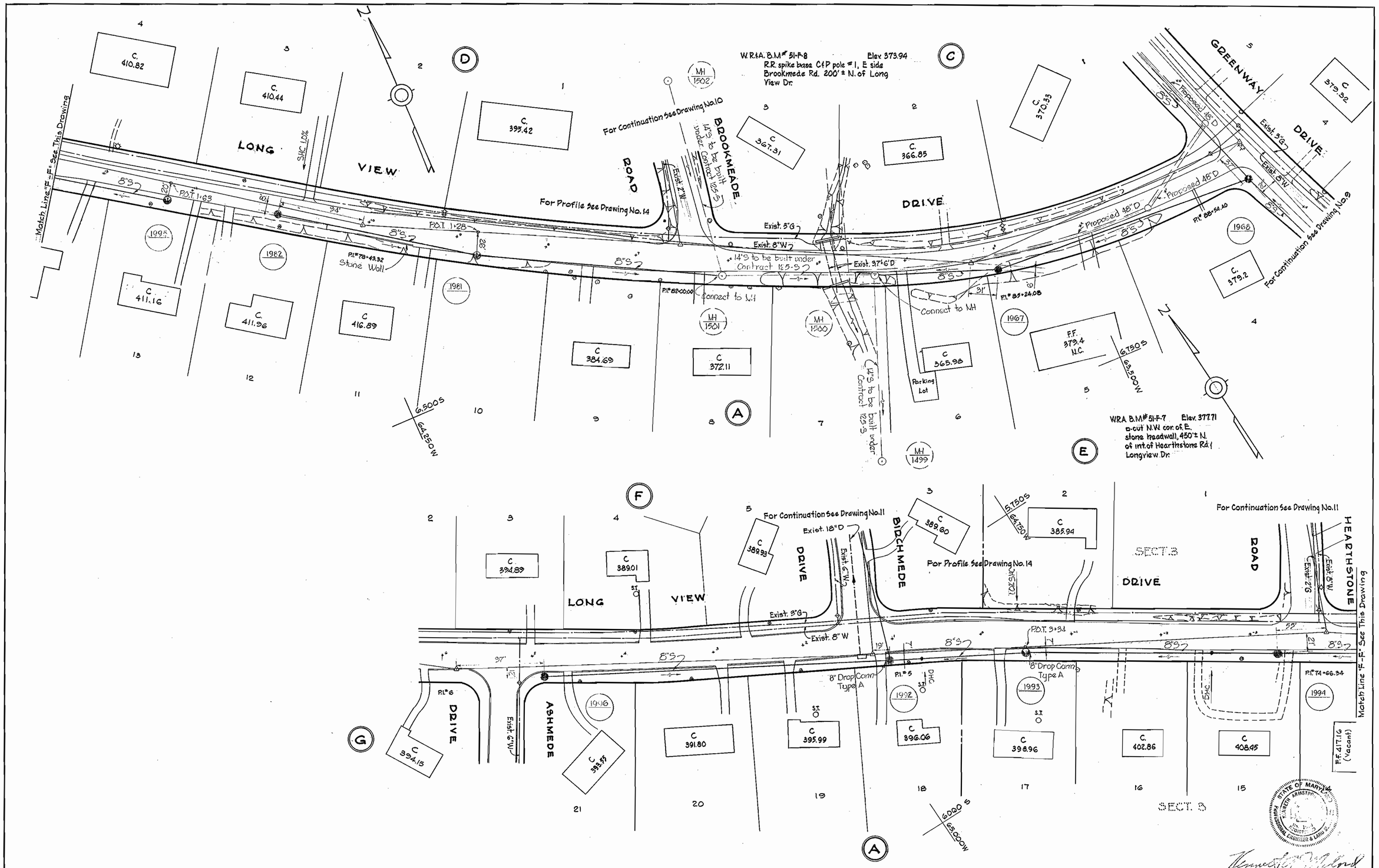
W. O. 5562-2

1 MAR. 67

F.B.# 2176, 2351, 2556, F.B.# 3765, 3740

WS 130-S/7

B. K. ELLIOTT CO., PGH., PA. REORDER A-33371



PART A
Contract No. 130-S

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION 2-28-67 DATE — W O Gillett CHIEF ENGINEER	CONTRACT NO. 130-S	PLAN OF SEWER MAINS	ELECTION DISTRICT ELLICOTT CITY NO. 2	DRAWING NO. 8 OF 16	SCALE 1" = 50'	G SW 44 T SW 43, 44

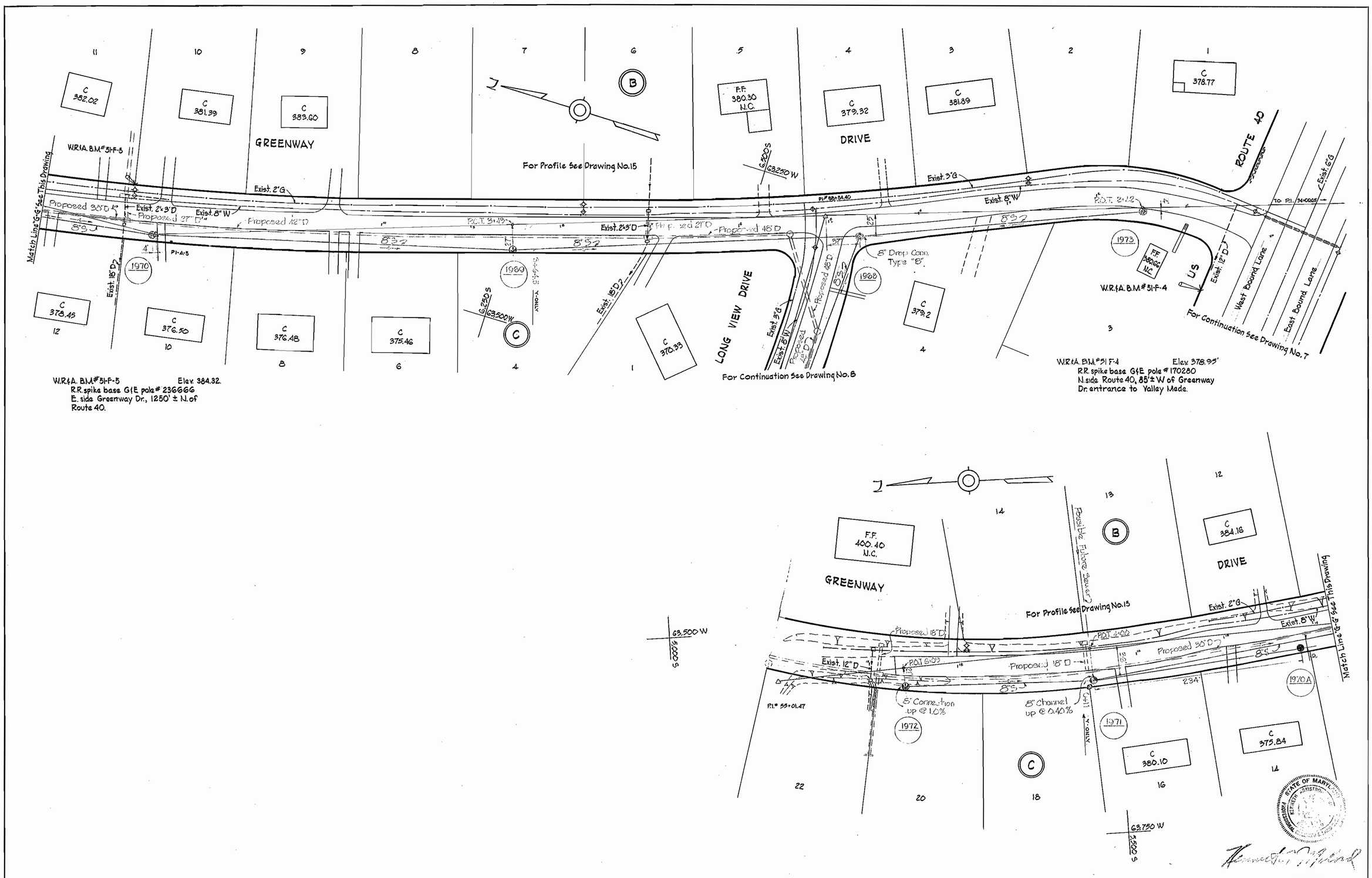
W. O. 5562-2

1 MAR. 67 AS BUILT

F.B. 3713

WS 130-S/8

D. K. ELLIOTT CO., PGH., PA. REORDER A-33371



PART A
Contract No. 130-S

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION 2-28-67 DATE — W. O. Gilbert CHIEF ENGINEER	CONTRACT NO. 130-S	PLAN OF SEWER MAINS	ELECTION DISTRICT ELLICOTT CITY NO. 2	DRAWING NO. 9 OF 16	SCALE 1" = 50'	6 SW 43 / 7 SW 43 / 8 SW 43

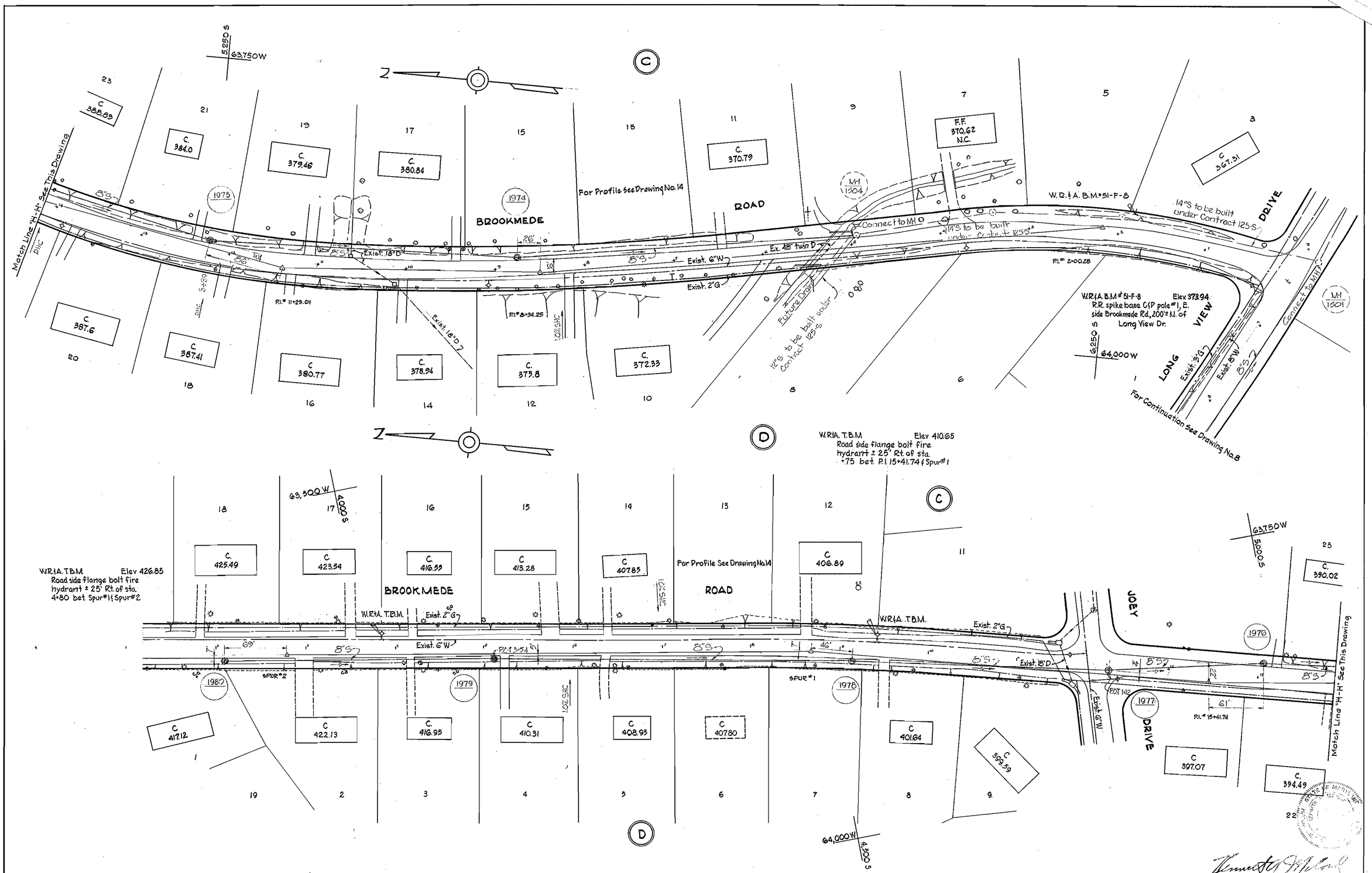
W. O. 5562-2

1 MAR. 67 AS BUILT

F.B. 2165
2117

WS 130-S/9

B. K. ELLIOTT CO., PGH., PA. REORDER A-33371



PART A
Contract No. 130-S

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION 2-28-67 (DATE) W O Lilbert (CHIEF ENGINEER)	CONTRACT NO. 130-S	PLAN OF SEWER MAINS	ELECTION DISTRICT ELLICOTT CITY NO. 2	DRAWING NO. 10 OF 16	SCALE 1"=50'

5 SW 43
6 SW 43
7 SW 43

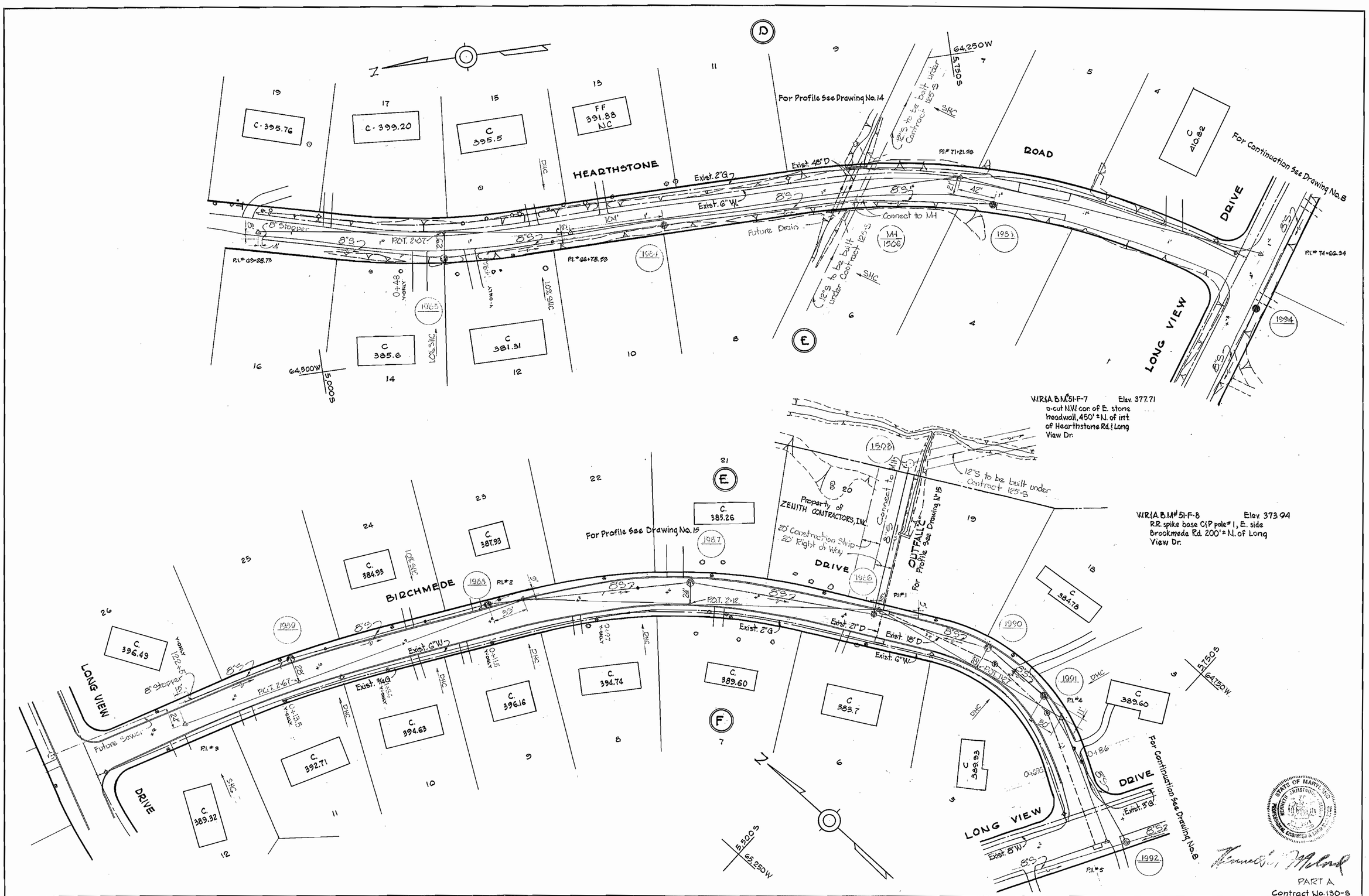
W. O. 5562-2

1 MAR. 67

F.B. 2165
3786

WS 130-S/10

B. K. ELLIOTT CO., PGH., PA. REORDER A-33371



WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION 2-28-67 DATE — CHIEF ENGINEER	CONTRACT NO. 130-S	PLAN OF SEWER MAINS	ELECTION DISTRICT ELLICOTT CITY NO. 2	DRAWING NO. 11 OF 16	SCALE 1"=50'	7 SW 43.44 / 3 SW 43.44 / 6 SW 43.44

W. O. 5562-2

F.B. 3713

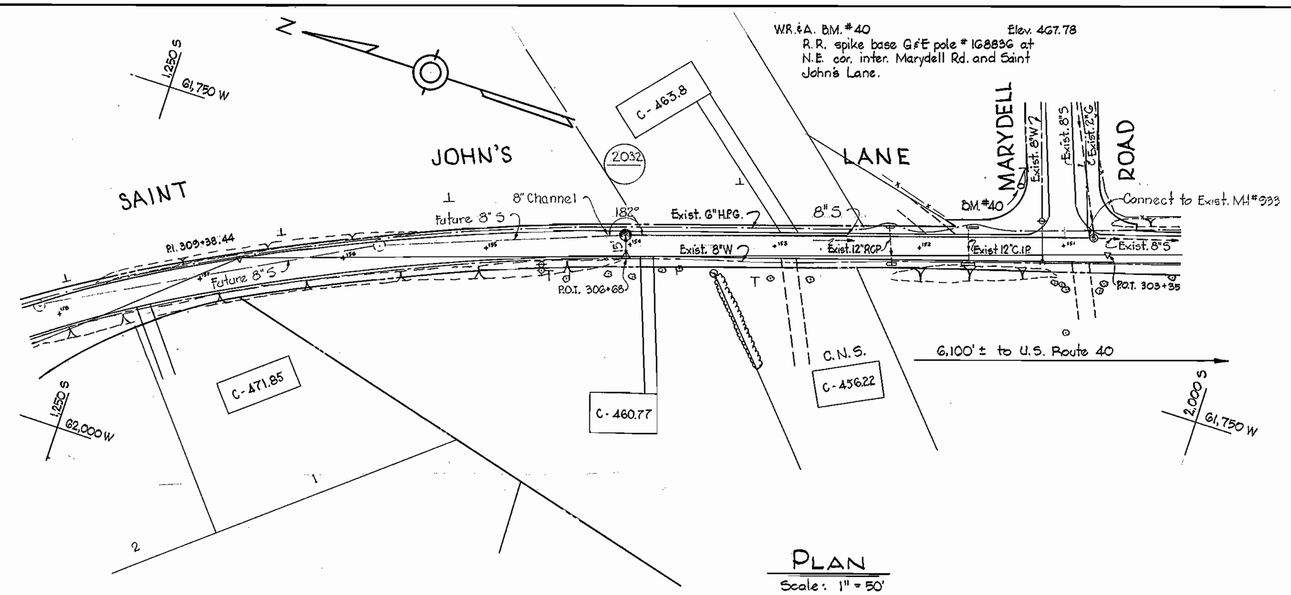
1 MAR. 67 AS BUILT 3740

WS 130-S/11

B. K. ELLIOTT CO., PGH., PA. REORDER A-33371

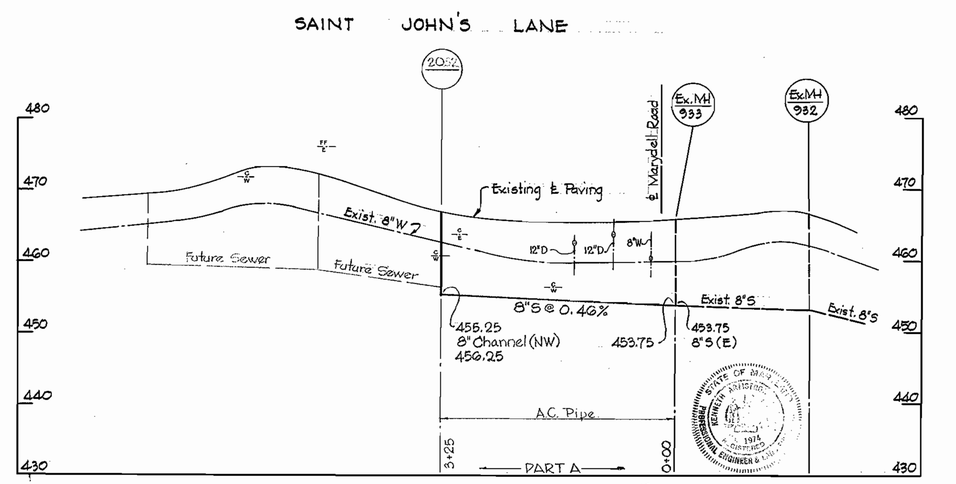
GENERAL NOTES

1. Approximate location of existing mains are shown. The Contractor shall take all necessary precautions to protect the existing mains and sevices 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 Standard 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 manholes to existing ground or paving unless otherwise noted.
7. Clear all existing utilities by 6" minimum.
8. Clear all poles by 2'-0" minimum or tunnel as required.
9. Cost of strapping F.H.'s to Tees to be included in the unit price bid for excavation and backfill of sewer mains.
10. The Contractor shall provide a joint in all sewer mains within 2'-0" of exterior manhole walls.
11. Cost of grouted rip rap to be included in the unit price bid for furnishing and laying of sewer mains.



PLAN

Scale: 1" = 50'



PROFILE

Scale: H: 1" = 100'
V: 1" = 10'

PART A
Contract № 130-S

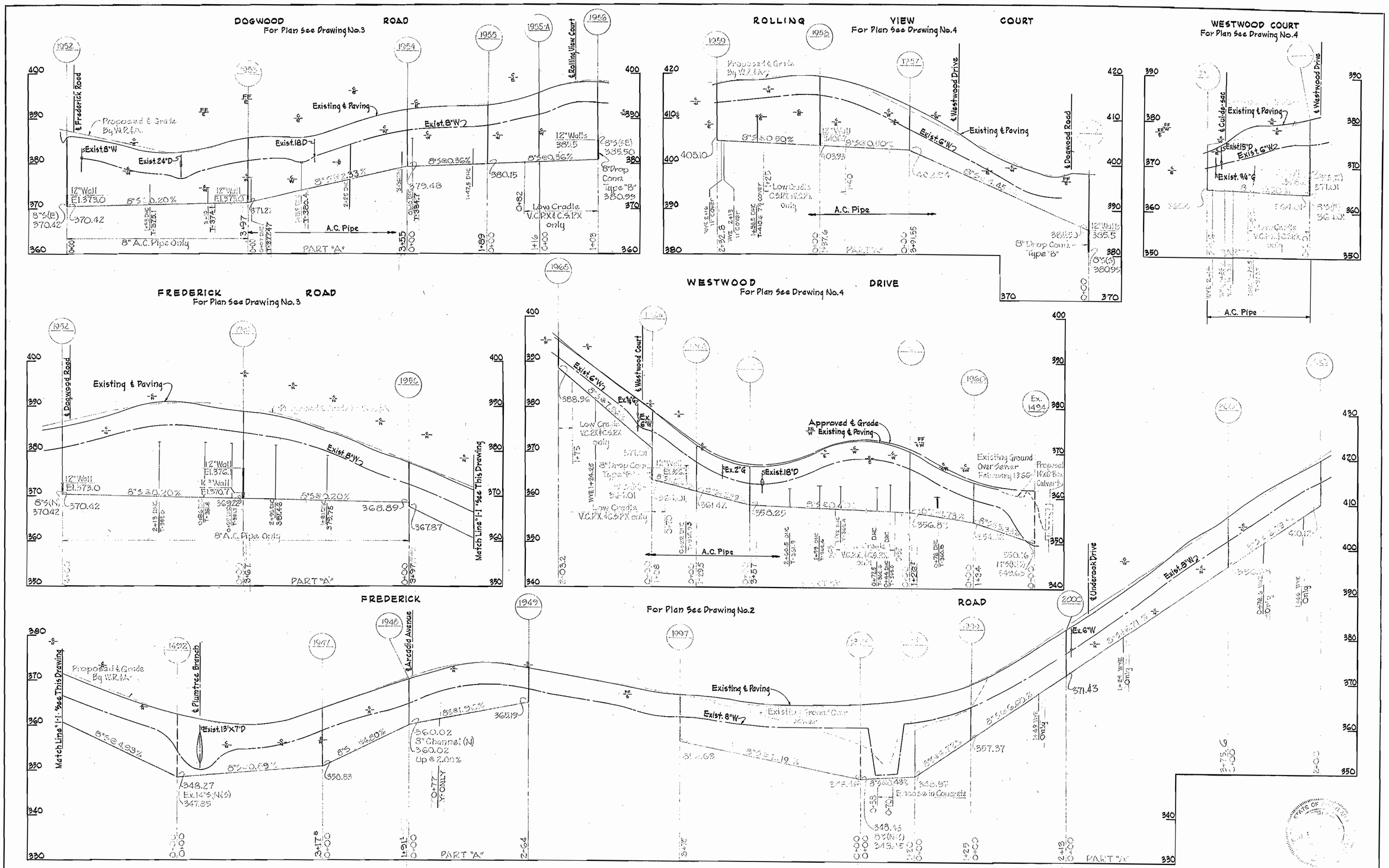
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION 2-28-67 (DATE) — W. O. Gilbert (CHIEF ENGINEER)	CONTRACT NO. 130-S	PLAN & PROFILE OF SEWER MAINS	ELECTION DISTRICT ELLICOTT CITY NO. 2	DRAWING NO. 12 OF 16	SCALE AS SHOWN

W. O. 5562-2

1 MAR, 67

F.B. 2349

WS 130-S/12



WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION 2-28-67 DATE W O Filbert CHIEF ENGINEER	CONTRACT NO. 130-S	PROFILES OF SEWER MAINS	ELECTION DISTRICT ELLICOTT CITY NO.2	DRAWING NO. 13 OF 16	SCALE H. 1"=100' V. 1"=10'

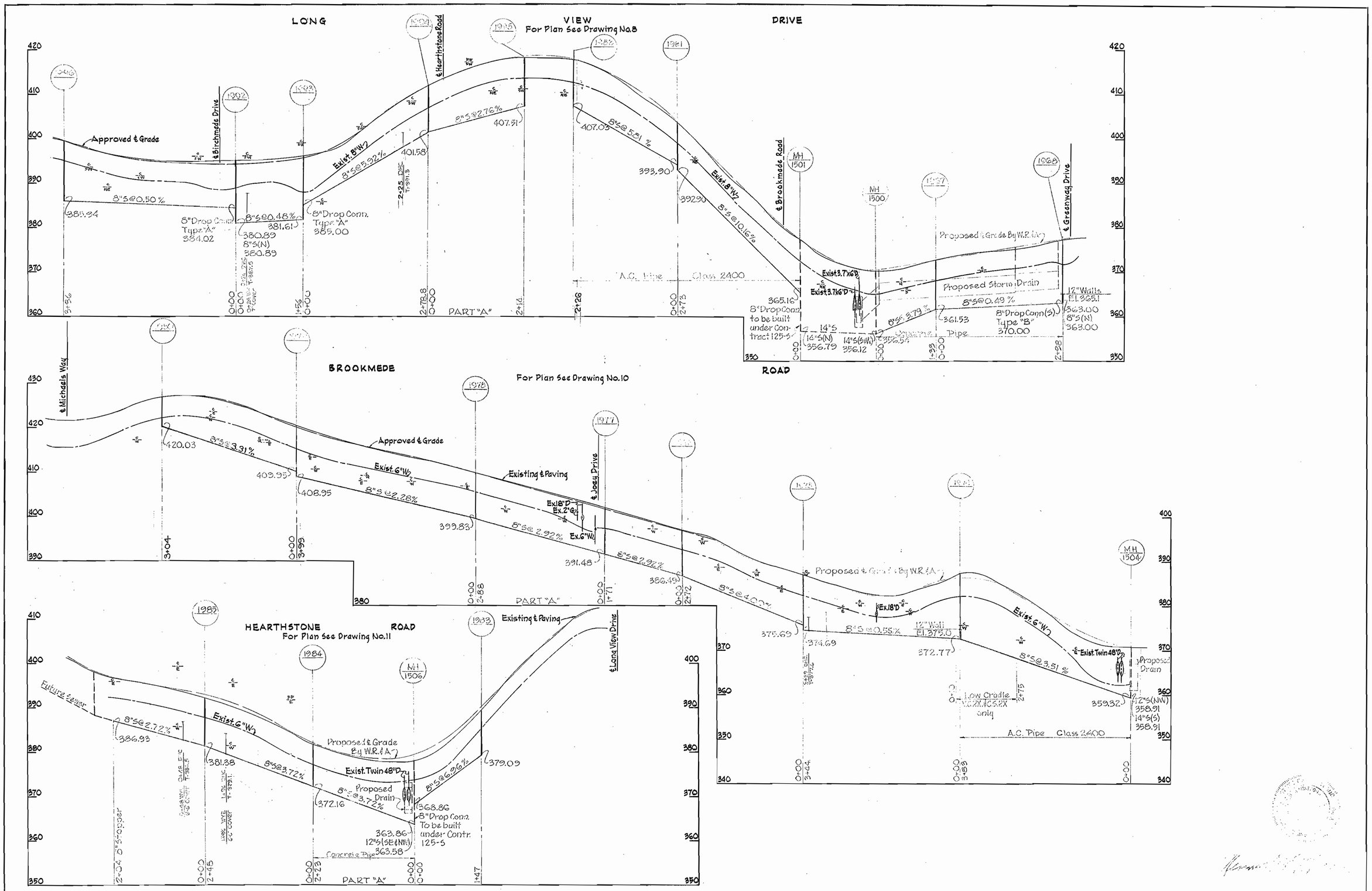
Contract No. 130-6

W. O. 5562-2

AS BUILT

WS 130-S/13

B. K. ELLIOTT CO., PGH., PA. REORDER A-33371



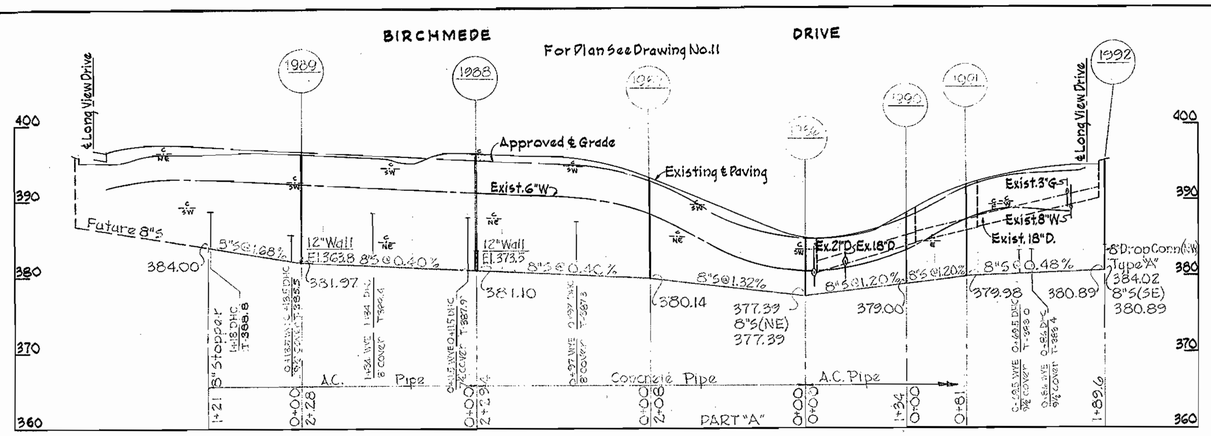
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION 2-28-67 (DATE) — W O Filbert (CHIEF ENGINEER)	CONTRACT NO. 130-S	PROFILES OF SEWER MAINS	ELECTION DISTRICT ELLICOTT CITY NO.2	DRAWING NO. 14 OF 16	SCALE H. 1"=100' V. 1"=10'

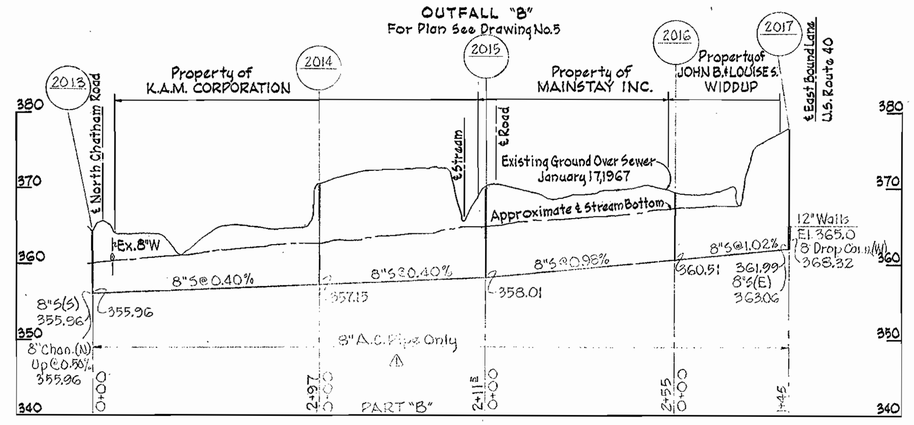
W. O. 5562-2

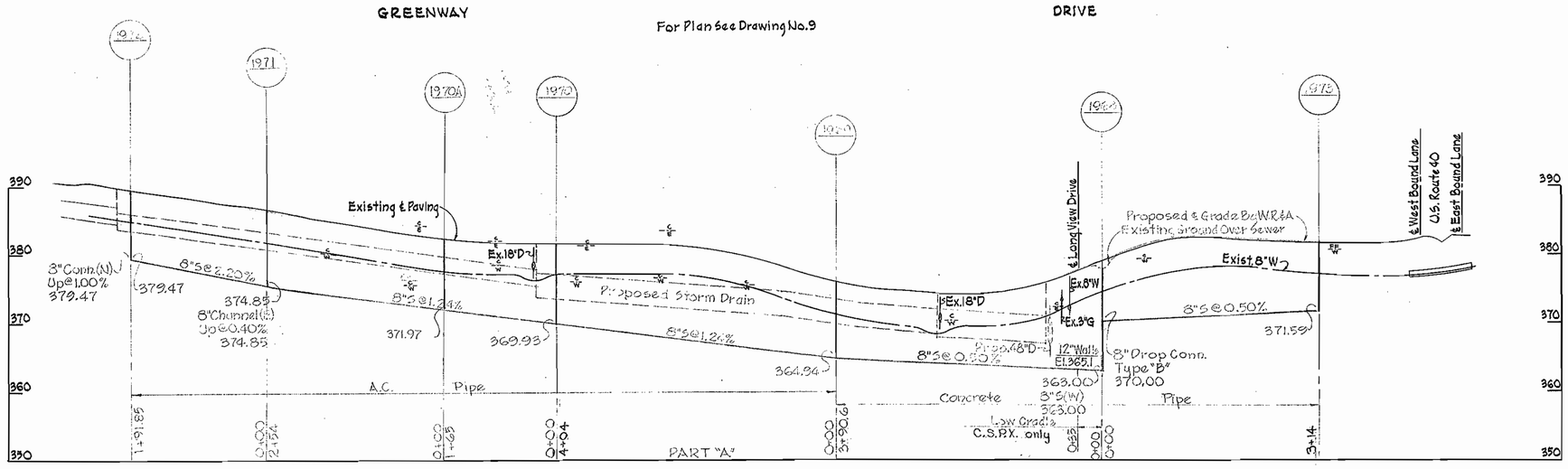
1 MAR. 67 AS BUILT

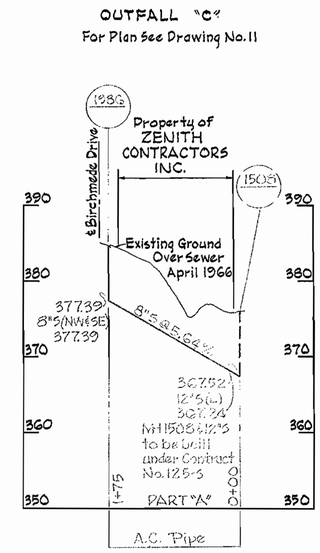
WS 130-S/14

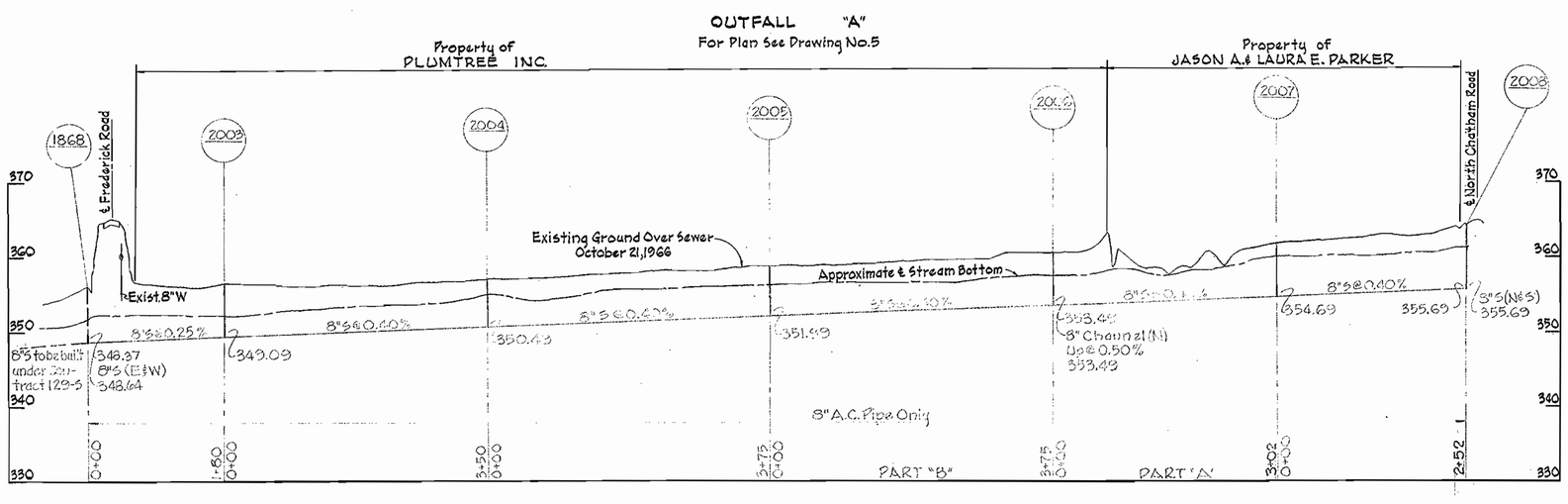
B. K. ELLIOTT CO., PGH., PA. REORDER A-33371











№	Date	Revision
1	3-9-67	Revised Sewer Mt # 2013 to Mt # 2017

Contract No. 130-S

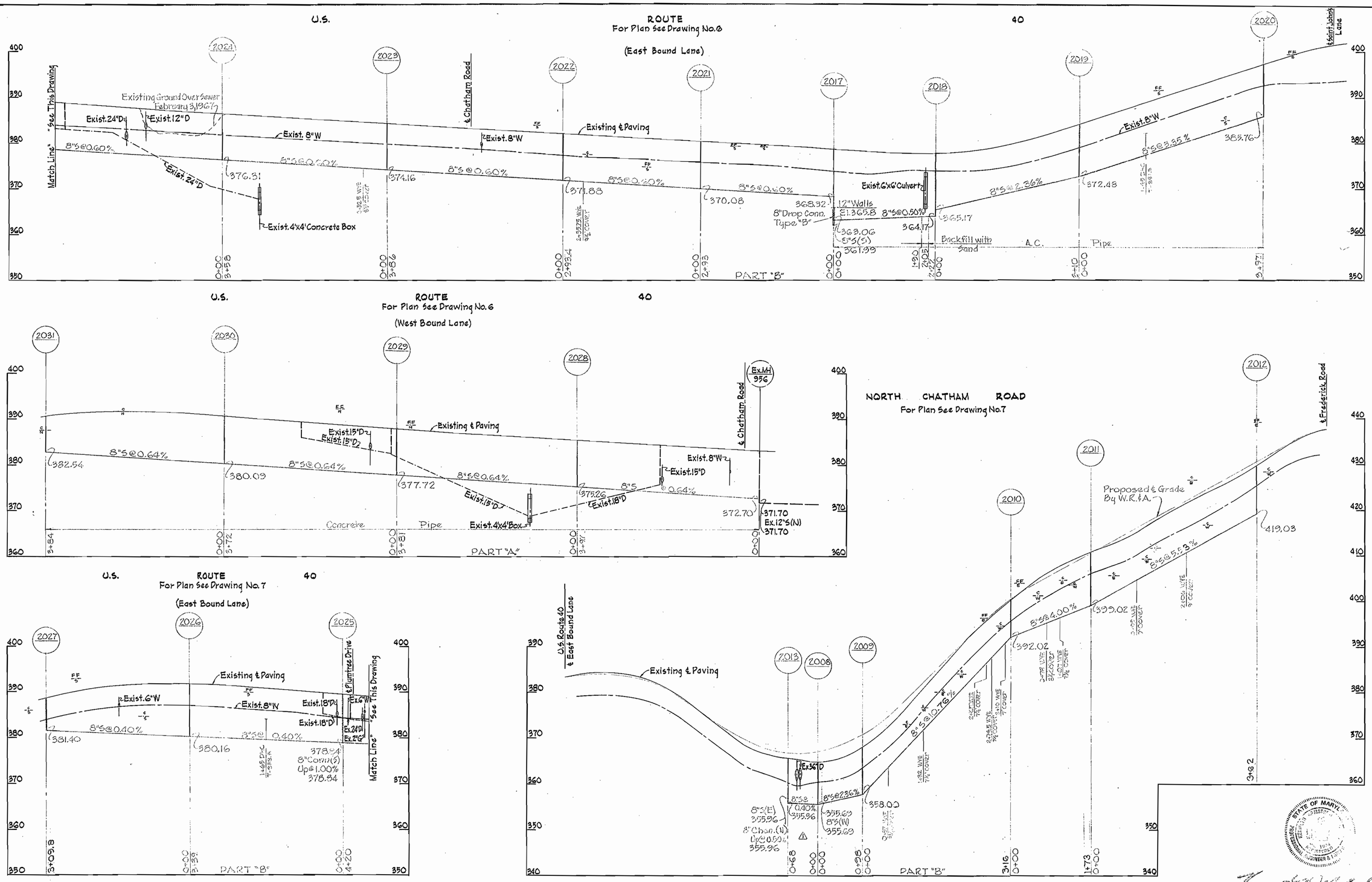
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION 2-28-67 DATE — W. O. Gilbert CHIEF ENGINEER	CONTRACT NO. 130-S	PROFILES OF SEWER MAINS	ELECTION DISTRICT ELLICOTT CITY NO.2	DRAWING NO. 15 OF 16	SCALE H. 1"=100' V. 1"=10'

W. O. 5562-2

9 MAR 67 AS BUILT

WS 130-S/15

B. K. ELLIOTT CO., PGH., PA. REORDER A-33371



№	Date	Revision
1	3-9-67	Revised sewer MH# 2008 to MH# 2013

Contract No. 130-S

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION 2-28-67 DATE — W O Filbert CHIEF ENGINEER	CONTRACT NO. 130-S	PROFILES OF SEWER MAINS	ELECTION DISTRICT ELLICOTT CITY NO.2	DRAWING NO. 16 OF 16	SCALE H. 1"=100' V. 1"=10'

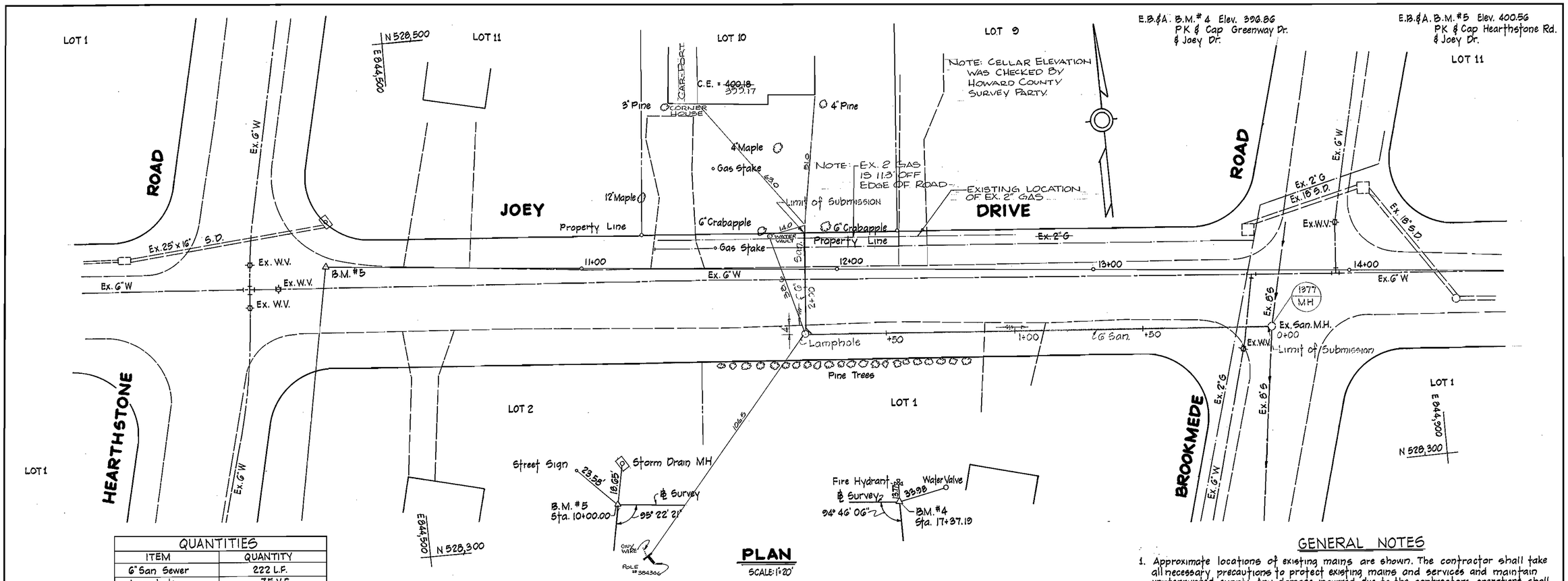
W. O. 5562-2

9 MAR. 67 AS BUILT

WS 130-S/16

U. K. ELLIOTT CO., PGH., PA. RECORDER A-33371

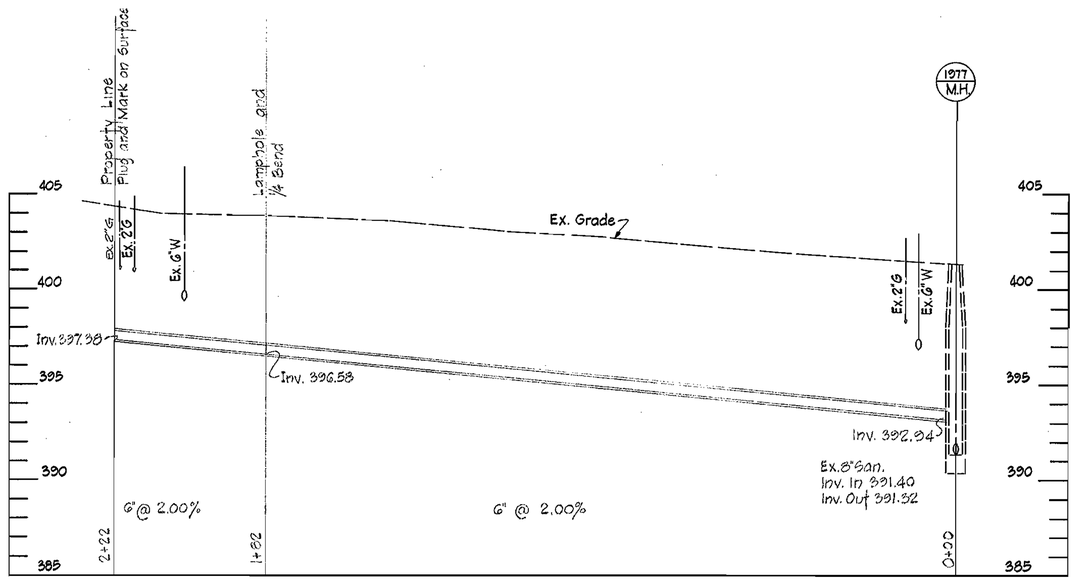
SE BALTIMORE 17 5133 IMPERIAL MC2114+



QUANTITIES	
ITEM	QUANTITY
6" San Sewer	222 L.F.
Lamphole	7.5 V.F.

GENERAL NOTES (Continued)

10. The contractor shall remove trees, stumps and roots along line of excavation as directed by the engineer. Payment for such removal shall be included in the unit price bid for excavation and backfill.
11. Place regulation "Men Working" and warning signs as required to comply with Maryland State Highway Administration Manual of Traffic Control for Highway Construction and Maintenance Operations.
12. The contractor shall not operate any water main valves on the existing system.
13. All sewer mains shall be C.S.P.X., V.C.P.X. or A.C.P. Class 2400 unless otherwise noted.
14. The contractor shall provide a joint in all sewer mains within 2'-0" of exterior manhole wall.
15. All manholes shall be 4'-0" inside diameter, unless otherwise noted.
16. Force Mains shall be D.I.P. only.



PROFILE
SCALE: Hor. 1" = 20' Ver. 1" = 4

GENERAL NOTES

1. Approximate locations 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 due to the contractors operations shall be repaired immediately at the contractors expense.
2. All horizontal controls are based on Maryland State Coordinates.
3. All vertical controls are based on U.S.G.S. Datum.
4. All pipe elevations shown are invert elevations.
5. Clear all utilities by a minimum of 6". Clear all poles 2'-0" minimum or tunnel as required. Any cost incurred to the contractor for tunneling or bracing at poles shall be included in unit prices bid for excavation and backfill.
6. For details not shown on the drawings see standard details bound in the specifications.
7. Contractor shall locate existing utilities (a minimum of two (2) weeks) in advance of construction operations in the vicinity of proposed utilities.
8. Contractor shall notify the following utilities or agencies at least five (5) days before starting work shown on these plans:

   State Highway Administration - 531-5533
   Baltimore Gas and Electric Company - Underground Electric Distribution Engineering - Damage Control - 234-5691
   Baltimore Gas and Electric Company - Underground Gas Distribution Engineering - 559-0100
   Chesapeake and Potomac Telephone Company - 725-9976
   American Telephone and Telegraph - Cable Location Division - 301-393-3553
   Colonial Pipeline Company - 781-4641
   Miss Utility - 1-559-0100

9. Trees are to be protected from damage to maximum extent. Trees located within the construction strip are not to be removed or damaged by the contractor.

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

James L. Irwin	11/20/80	R. Bruce Bailey	4-23-80
CHIEF-BUREAU OF UTILITIES	DATE	CHIEF-BUREAU OF ENGINEERING	DATE

Contract No. 20-0130
Capital Project No. 5-0-6111
Joey Drive Sewer
Brinkleigh Subdivision

EWELL, BOMHARDT & ASSOCIATES Consulting Engineers BALTIMORE, MARYLAND	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND George F. Newman 4-23-80 DIRECTOR OF PUBLIC WORKS, DATE	CONTRACT NO. 20-0130 CAPITAL PROJECT NO. 5-0-6111	PLAN AND PROFILE OF SEWER MAIN	JOEY DRIVE SEWER ELECTION DISTRICT NO. 2 HOWARD COUNTY, MD	DRAWING NO. 16-A OF 16-A	SCALE AS SHOWN

AS-BUILT JAN. 13, 1981 B.A.L.

WS 130-S/16-A