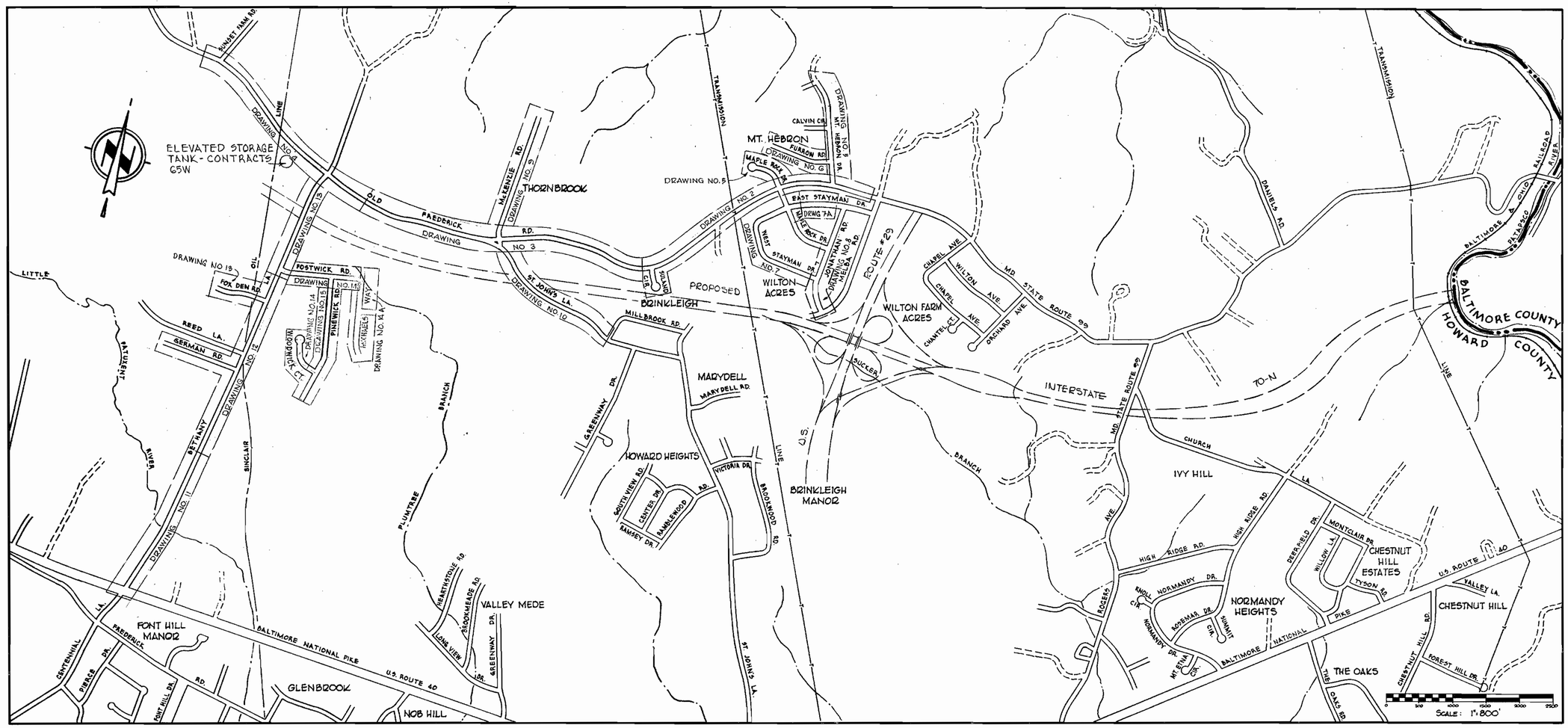


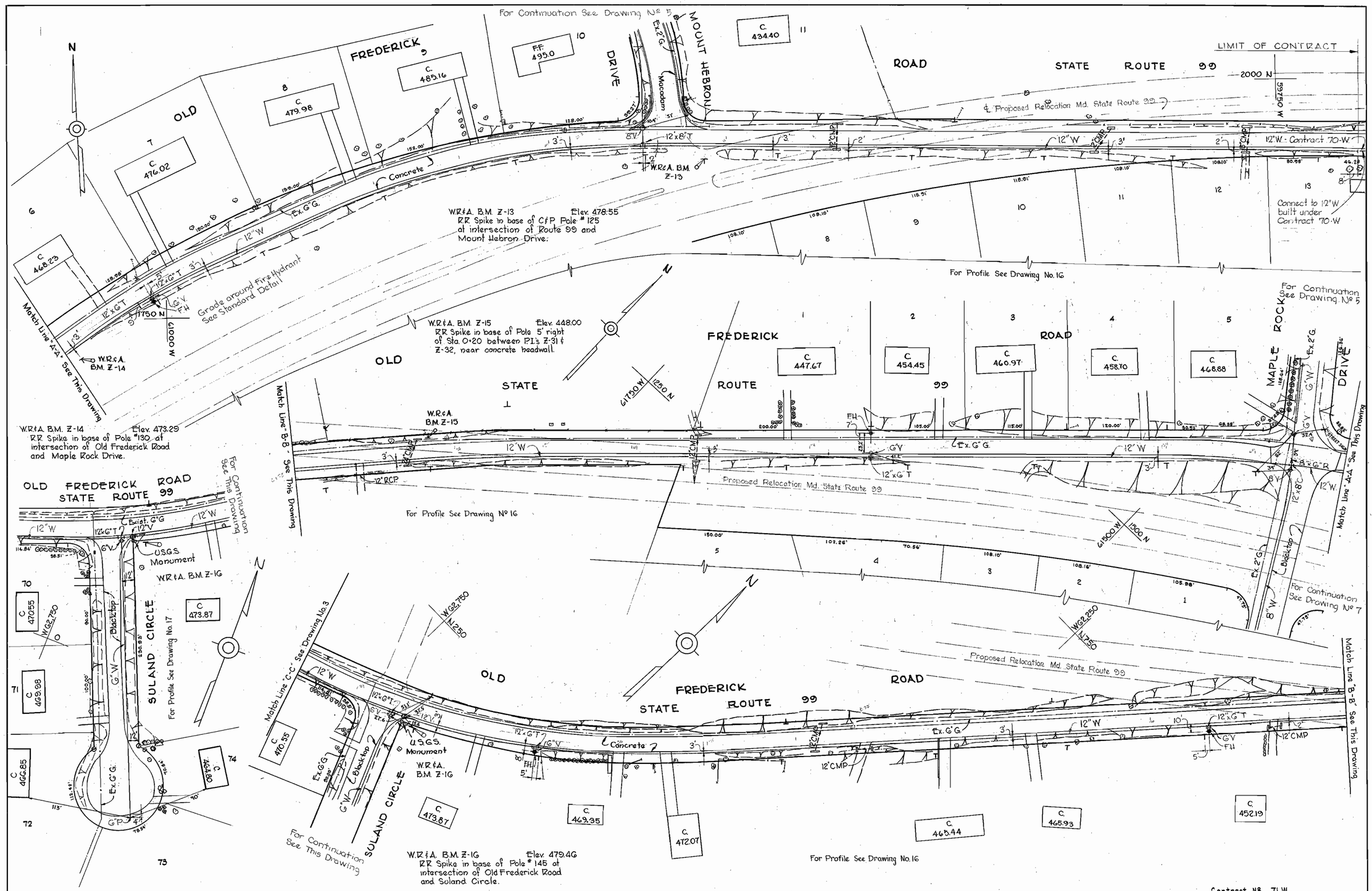
CONTRACT 71W
WATER MAIN EXTENSIONS
HOWARD COUNTY METROPOLITAN COMMISSION
ELLICOTT CITY SUB-DISTRICT

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION Jan 3, 1964 DATE — CHIEF ENGINEER	CONTRACT NO. 71 W	LOCATION MAP OF WATER MAIN EXTENSIONS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 1 OF 21	SCALE 1"=800'

W. O. 5918-2

AS BUILT 5 NOV. 1

WS 71W/1



WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION Jan. 3, 1964 (DATE) — Carl W. Meyer (CHIEF ENGINEER)	CONTRACT NO. 71 W	PLAN OF WATER MAINS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 2 OF 21	SCALE 1"=50'

2NW40 2NW41 1,2NW42 1SW42
F.B. 3013

W. O. 5318-2

AS BUILT 5 NOV. 1965

WS 71 W/2

ELLIOTT CO., PITTSBURGH REORDER A-38070

Future Entrance to Mt. Hebron High School

Match Line "D-D" See This Drawing

Match Line "C-C" See Drawing No. 2

FREDERICK ROAD OLD

STATE ROUTE 99

Proposed Relocation Md. State Route 99

W.R.&A. B.M. Z-17
R.R. Spike in base of C&P Pole # 152
4' right of Sta. 4+80 between P.I.'s Z-37 & Z-38.
Elev. 478.40

W.R.&A. B.M. Z-17

Proposed Relocation Saint Johns Lane

For Profile See Drawing No. 16

W.R.&A. B.M. Z-18
R.R. Spike in base of 30" Oak at intersection of Old Frederick Road and McKenzie Road.
Elev. 455.30

For Continuation See Drawing No. 9

MCKENZIE RD.

ST. JOHN'S LA.

Match Line "E-E" See This Drawing

Match Line "F-F" See Drawing No. 4

For Continuation See Drawing No. 10

W.R.&A. B.M. Set #1
R.R. Spike in base of G.&E. Pole # 34G744
900'± West of Saint John's Lane on South side of road.
Elev. 480.41

For Profile See Drawing No. 16

Contract No. 71 W

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION Jan. 3, 1964 DATE Carl W. Mayer CHIEF ENGINEER	CONTRACT NO. 71 W	PLAN OF WATER MAINS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 3 OF 21	SCALE 1"=50'

W. O. 5318-2

AS BUILT 5 NOV. 1965

13W42,43,44
13W44,45
F.B. 3052
F.B. 2905

WS 71W/3

ELLIOTT CO., PITTSBURGH RECORDER A-39070

C 473.2

C 478.8

LIMIT OF CONTRACT

OLD FREDERICK ROAD

Match Line "G-G" See This Drawing

To Pl. SF-6

12"V
12"P
12"V
12"Y
12"Y
12"x12"T
12"W
73.1'
SF-5
3'
12"x6"T
9'
12"x8"T
7'
5'
6"V
F.H.
STATE ROUTE 99
12"V
12"CMD
41.8'
8"V
3'
12"W
3'
T

For Profile See Drawing No. 17

C 473.48

1250 N 67,250

Match Line "F-F" See Drawing No. 3

W.R.&A. B.M. Set #2

ELEVATED STORAGE TANK
To be built under contract 65W

12"W
N 500
W 68,250

LANE
BETHANY
12"W
N 8'

For Continuation See Drawing No 18

W.R.&A. B.M. Set #2 Elev. 480.57
R.R. Spike in C.&P. Pole #74 at intersection of Route 99 and Bethany Lane. (S.E. Corner)

C 459.1

C 460.1

FF: 473.7

W 68,250 N 1,600

Sinclair Oil Line

Match Line "G-G" See This Drawing

C+487.4

OLD FREDERICK ROAD

Future 12"W

STATE ROUTE 99

Future 12"W

Match Line "H-H" See This Drawing

SF-8

N 1250
W 69,250

Match Line

W.R.&A. B.M. Set #3

C 463.6

C 463.8

C 481.2

W.R.&A. B.M. Set #3 Elev. 470.43
P.K. Nail in root of 42" Oak 1110'± west of intersection of Route 99 and Bethany Lane. 40'± south of Route 99.

C 494.5

200'±

SUNSET FARM ROAD

C-481.1

W.R.&A. B.M. Set #4 Elev. 486.63
R.R. Spike in G&E. Pole # 184340 at intersection of Route 99 & Sunset Farm Road.

N 1750
W 70,000

W.R.&A. B.M. Set #4

OLD FREDERICK ROAD

Future 12"W

165'±

Match Line "H-H" See This Drawing

C 489.5

N 1500
W 69,250

F.F. = 498.1
N.C.

C 488.3

Contract No 71 W

No	Date	Revision
1	9-13-64	Elevated Storage Tank Relocated

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

HOWARD COUNTY METROPOLITAN COMMISSION
Jan 3, 1964 DATE
Carl W. Mayer CHIEF ENGINEER

CONTRACT NO. 71W

PLAN OF WATER MAINS

ELLICOTT CITY SUB-DISTRICT

DRAWING NO. 4 OF 21

SCALE 1"=50'

1,2 NW 46
2 NW 47

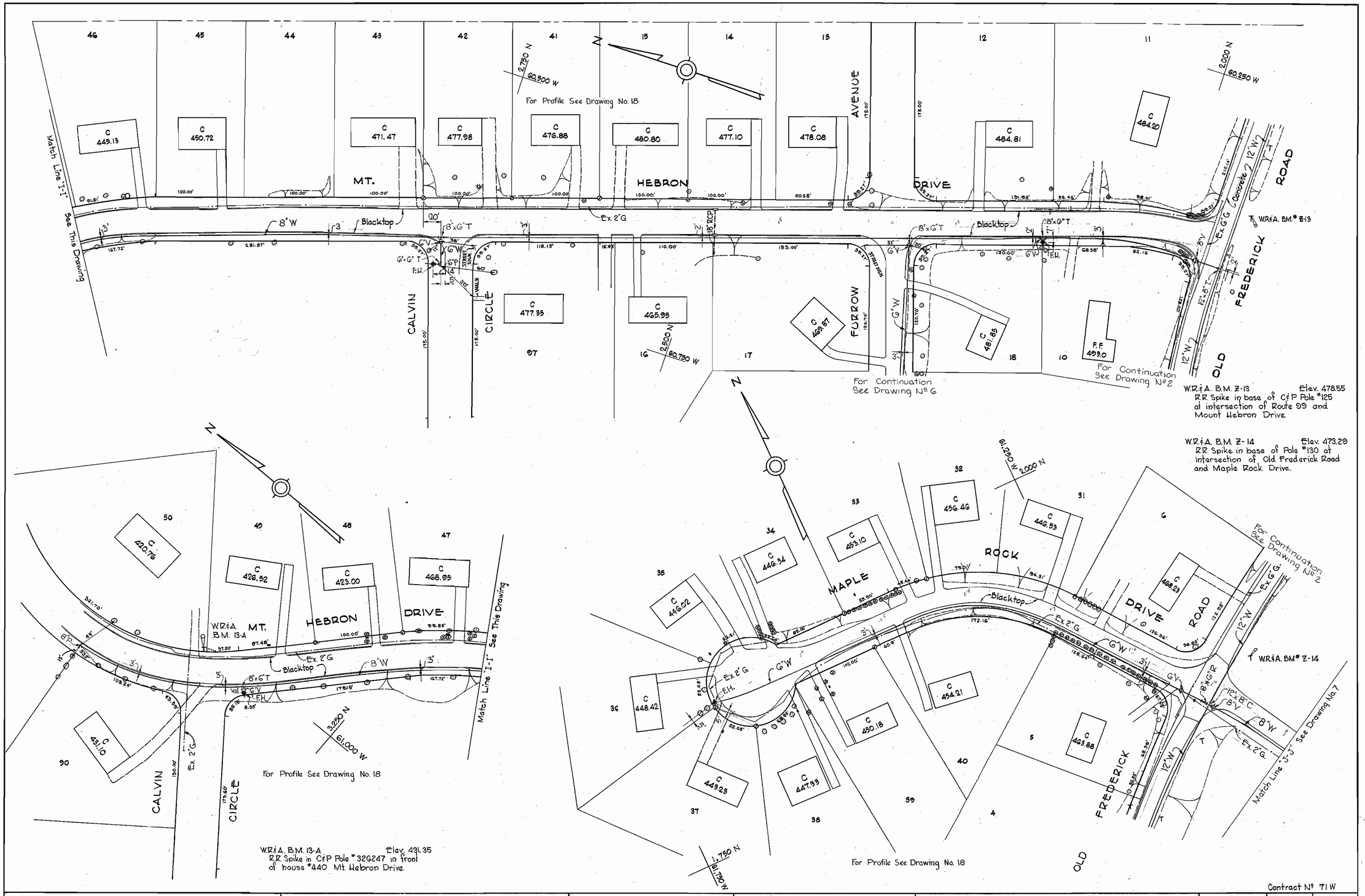
F.B. 3060, 2905

W. O. 5318-2

AS BUILT 5 NOV. 1965

WS 71W/4

ELLIOTT CO., PITTSBURGH REORDER A-39070



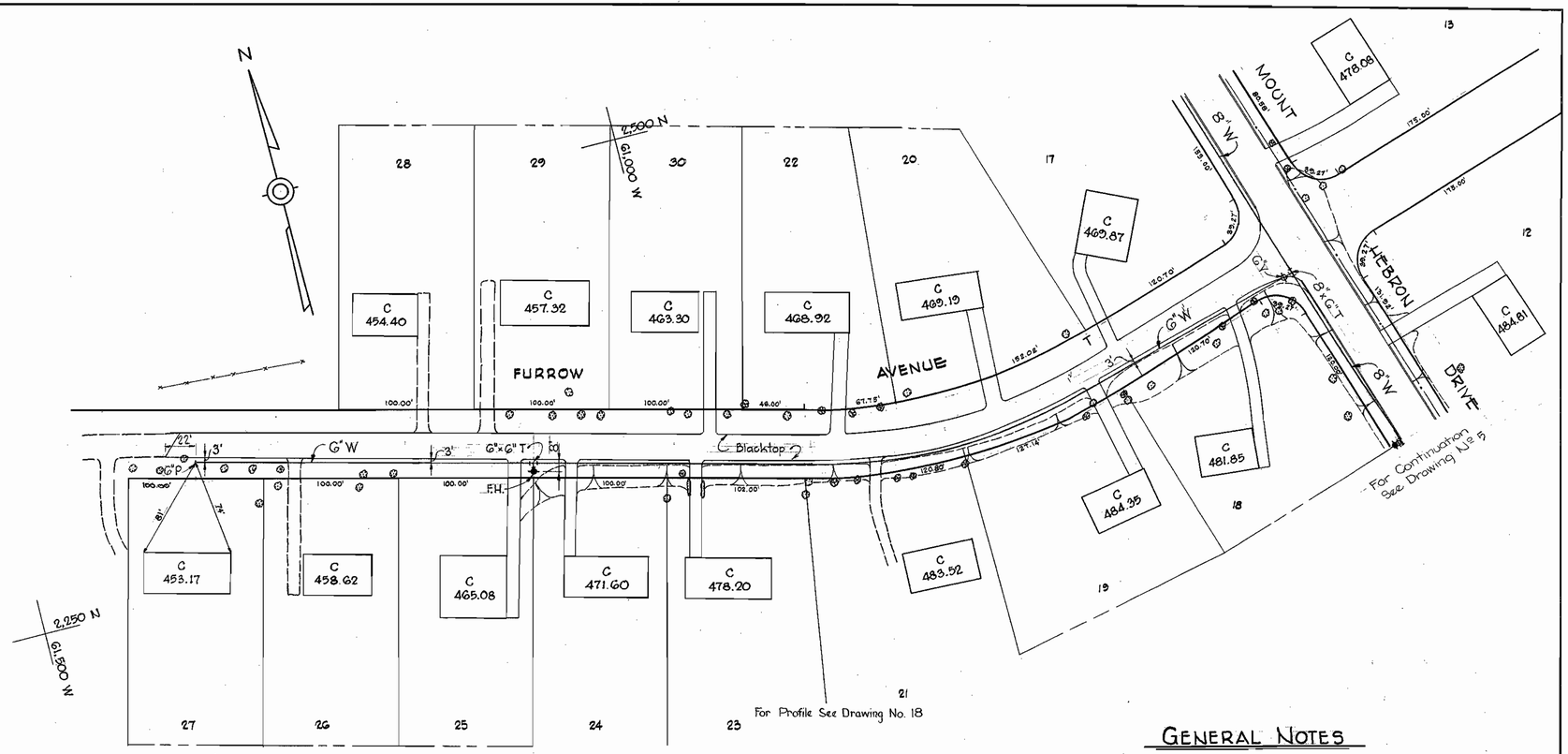
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION Jan. 3, 1964 DATE — CHIEF ENGINEER	CONTRACT NO. 71W	PLAN OF WATER MAINS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 5 OF 21	SCALE 1"=50'

W. O. 5318-2

AS BUILT 5 NOV. 1965

F.B. 3013, 3016

WS 71W/5



GENERAL NOTES

1. Approximate location 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. Block all fittings with concrete, see standard details bound in Specifications.
6. Bury Line elevation on Fire Hydrants shall be set the same as edge of paving or as directed by the Engineer in the field.
7. All 6"W and 8"W to be class 22 CIP, all 12"W to be Class 23. Water Mains to have a minimum of 3½' cover unless otherwise noted.
8. Before digging, pushing pipe or doing other work near Telephone Cables call collect any time LExington 9-9900 Ext. 353, 354 or 355, Baltimore, Maryland.
9. Clear all poles by 2'-0" minimum.
10. The location of all valves, fittings etc. have been located in plan and dimensions shall be strictly adhered to unless otherwise directed by the Engineer in writing.
11. Buttress Fire Hydrants with concrete ; provide copper pipe at weep holes as required for positive drainage. For Buttress dimensions see Standard Detail W-8 Buttress for Caps.

Contract N° 71W

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION Jan 3, 1964 DATE Carl W. Mayer CHIEF ENGINEER	CONTRACT NO. 71W	PLAN OF WATER MAINS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 6 OF 21	SCALE 1"=50'

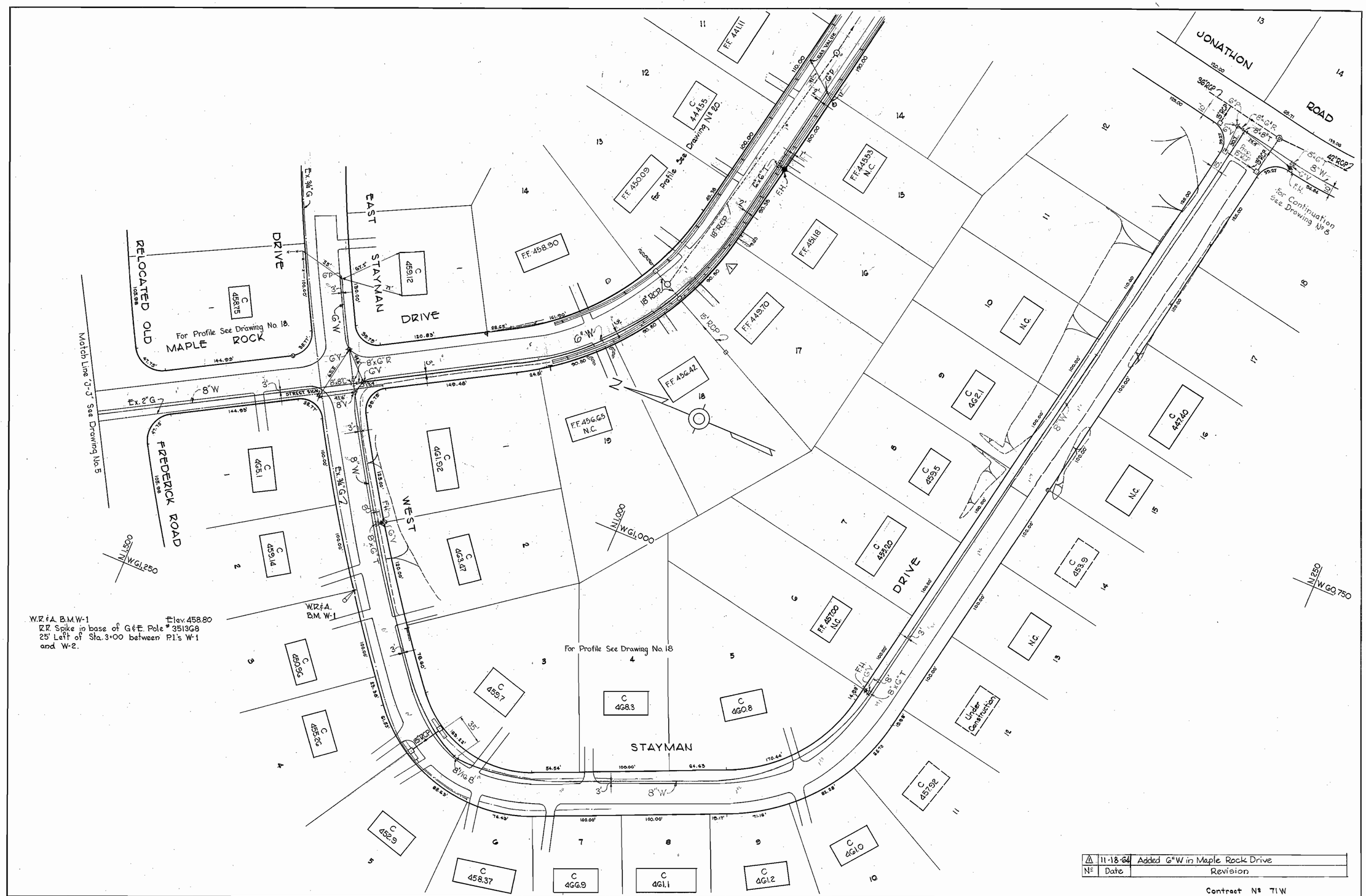
W. O. 5318-2

AS BUILT 5 NOV. 1965

F.B. 3016

WS 71W/6

ELLIOTT CO., PITTSBURGH REORDER A-39070



Nº	Date	Revision
1	11-18-64	Added 6"W in Maple Rock Drive

Contract Nº 71W

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION Jan. 3, 1964 DATE Carl W. Meyer CHIEF ENGINEER	CONTRACT NO. 71W	PLAN OF WATER MAINS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 7 OF 21	SCALE 1"=50'

1,2 NW 41

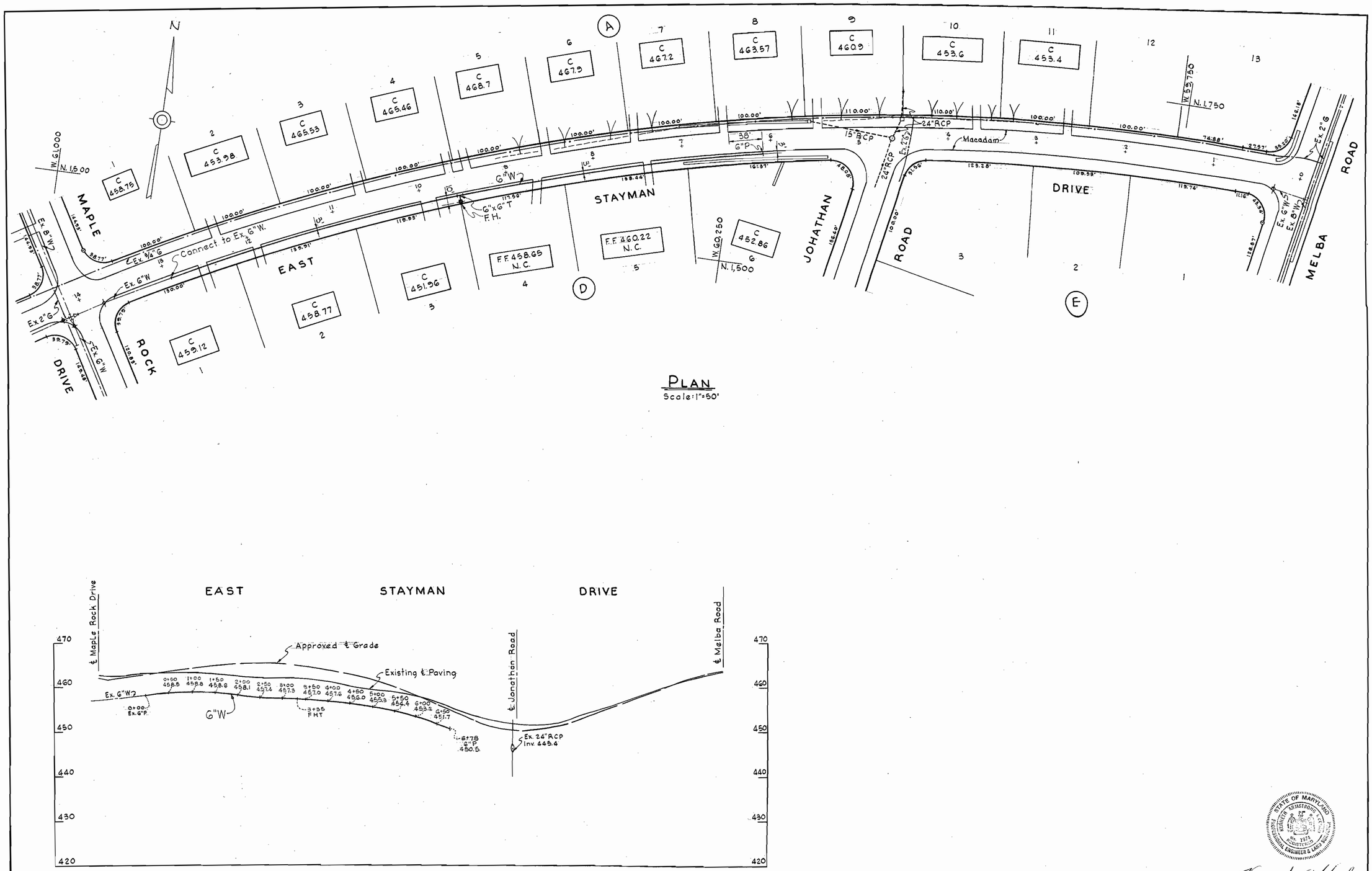
W. O. 5318-2

AS BUILT 5 NOV. 1965

F.B. 3013, 3052 2898

ELLIOTT CO., PITTSBURGH REORDER A-39070

WS 71W/7



WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION Feb. 8, 1965 (DATE) — CHIEF ENGINEER	CONTRACT NO. 71-W	PLAN AND PROFILE OF WATER MAINS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 7A OF 21	SCALE AS SHOWN	187 2NW40, 2NW41

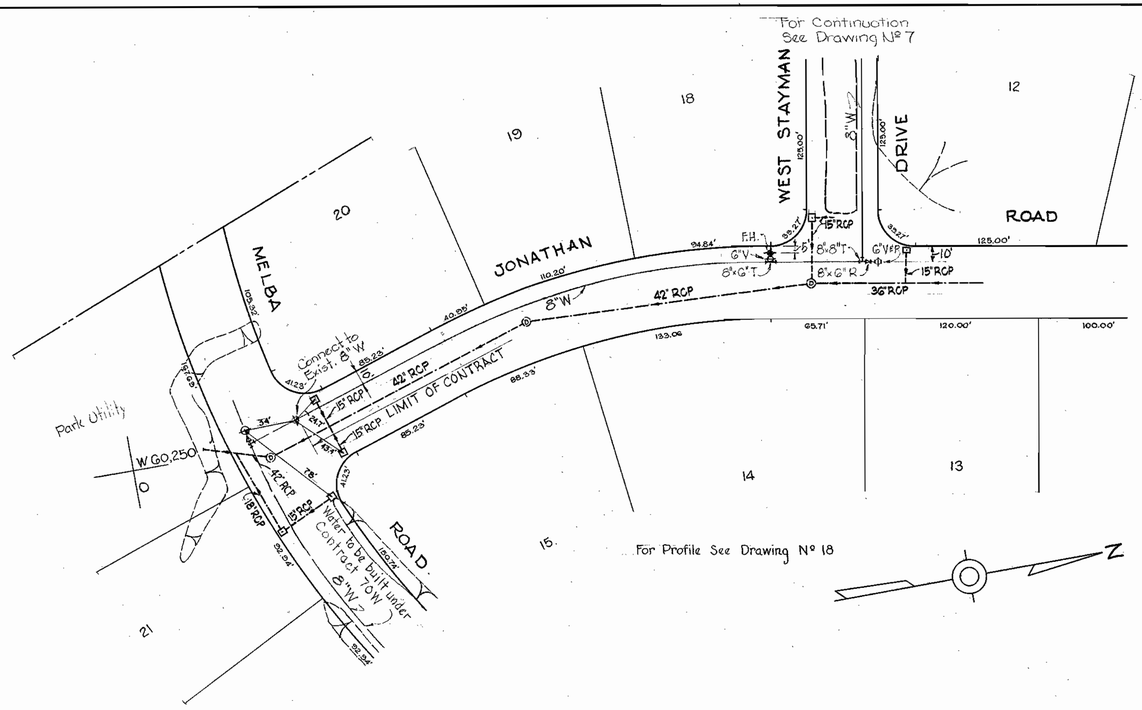
Contract No. 71 W

W. O. 5318-2

AS BUILT 5 NOV 1965

F.B. 3326

WS 71-W/7A



WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION Jan. 3, 1964 DATE Carl W. Mayer CHIEF ENGINEER	CONTRACT NO. 71W	PLAN OF WATER MAINS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 8 OF 21	SCALE 1"=50'

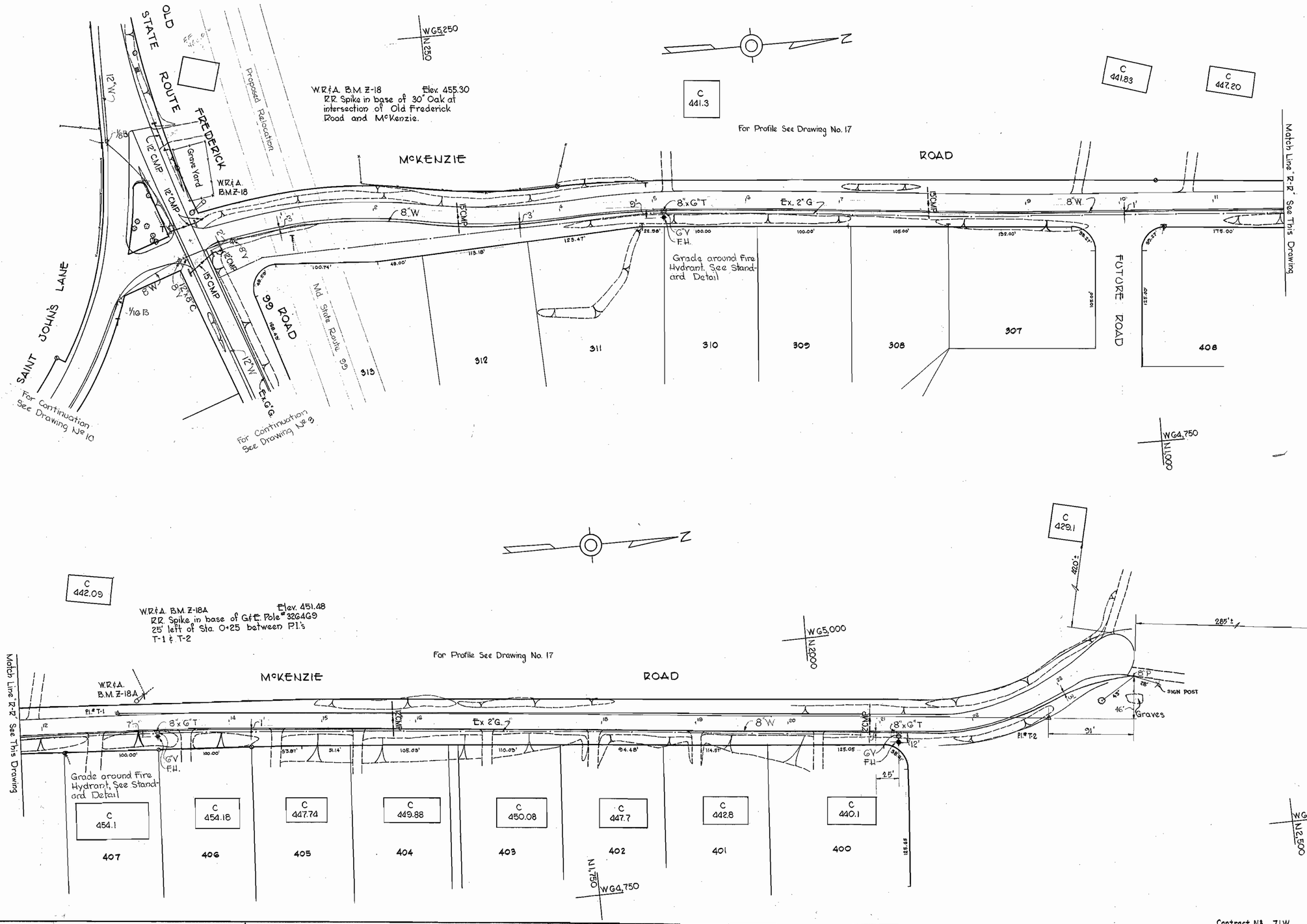
Contract No. 71W

W. O. 5318-2

AS BUILT 5 NOV. 1965

WS 71W/8

D. W. ELLIOTT CO., PITTSBURGH REORDER A-39070



WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION Jan 3, 1964 DATE — Carl O. Kreiger CHIEF ENGINEER	CONTRACT NO. 71W	PLAN OF WATER MAINS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 9 OF 21 — SCALE 1"=50' — L.2,3 NW 44 L.5W 44

Contract No. 71W

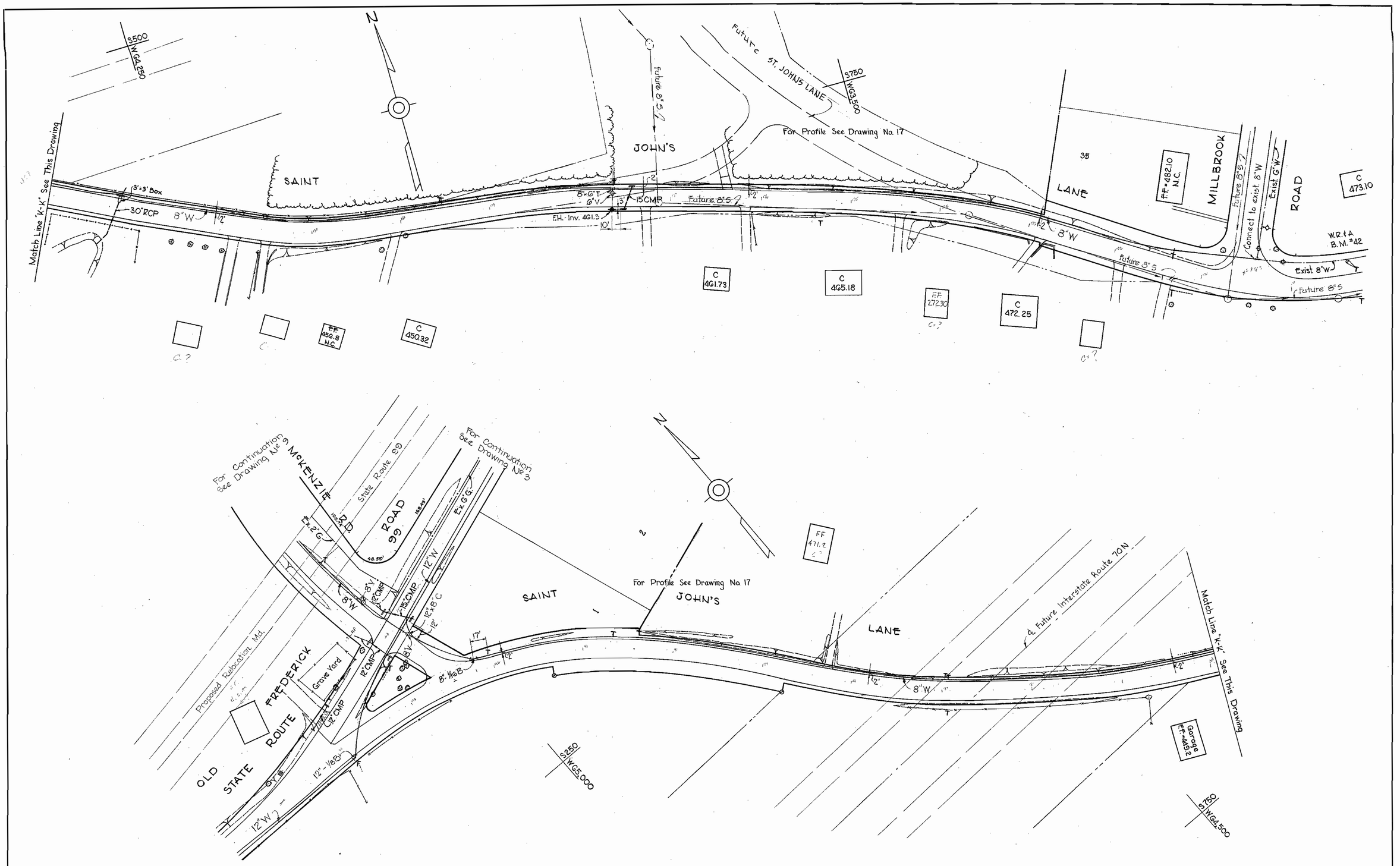
W. O. 5318-2

AS BUILT 15 NOV. 1965

F.B. 3052, 2908

ELLIOTT CO., PITTSBURGH REORDER A-39070

9/W/71 SM



WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION Jan. 3, 1964 (DATE) Carl W. Mayer (CHIEF ENGINEER)	CONTRACT NO. 71W	PLAN OF WATER MAINS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 10 OF 21	SCALE 1"=50'

Contract No 71 W

W. O. 5318-2

AS BUILT 5 NOV. 1965

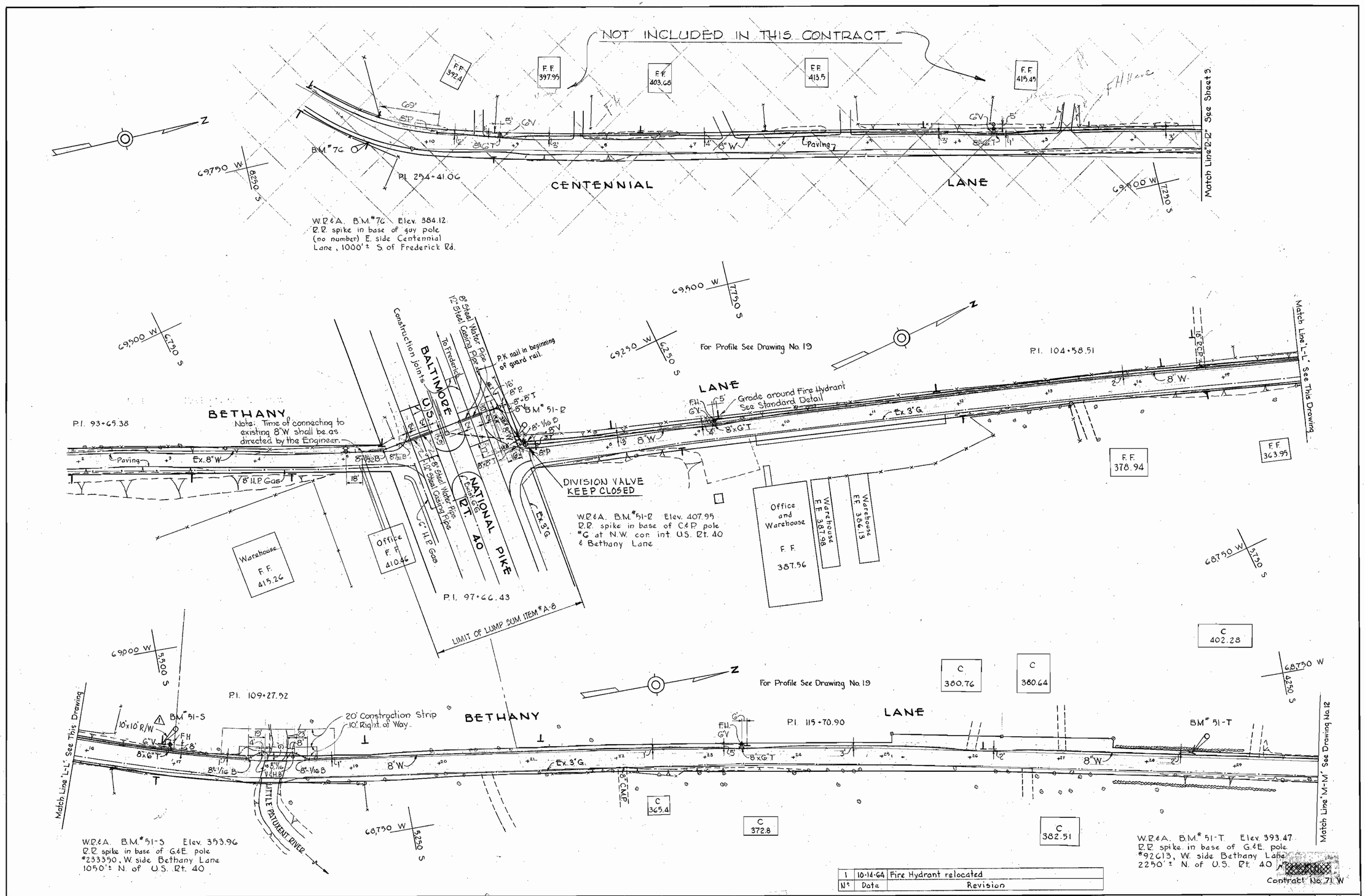
15W44 1NW44 1&2SW43

F. B. 3052, 2908

WS 71W/10

ELLIOTT CO., PITTSBURGH REORDER A-39070

12344444



No.	Date	Revision
1	10-14-64	Fire Hydrant relocated

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION Jan. 3, 1964 DATE CHIEF ENGINEER	CONTRACT NO. 71 W	PLAN OF WATER MAIN EXTENSIONS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 11 OF 21	SCALE 1"=50' 7SW47 8SW47 9SW47

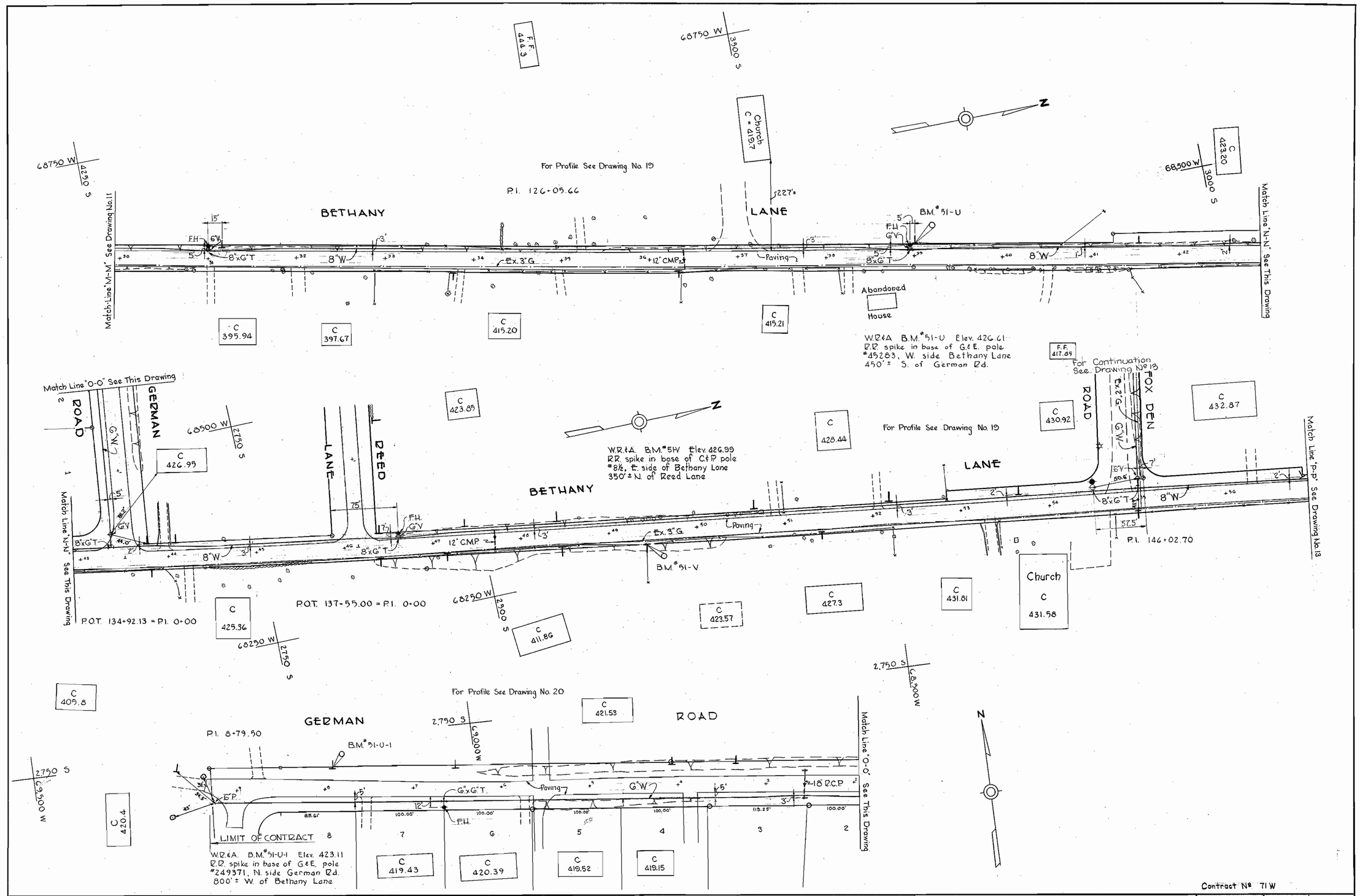
W.O. 5318-2

AS BUILT 5 NOV. 1965

FB 2162

ELLIOTT CO., PGH., PA. REORDER A-21638

11/MIL SM

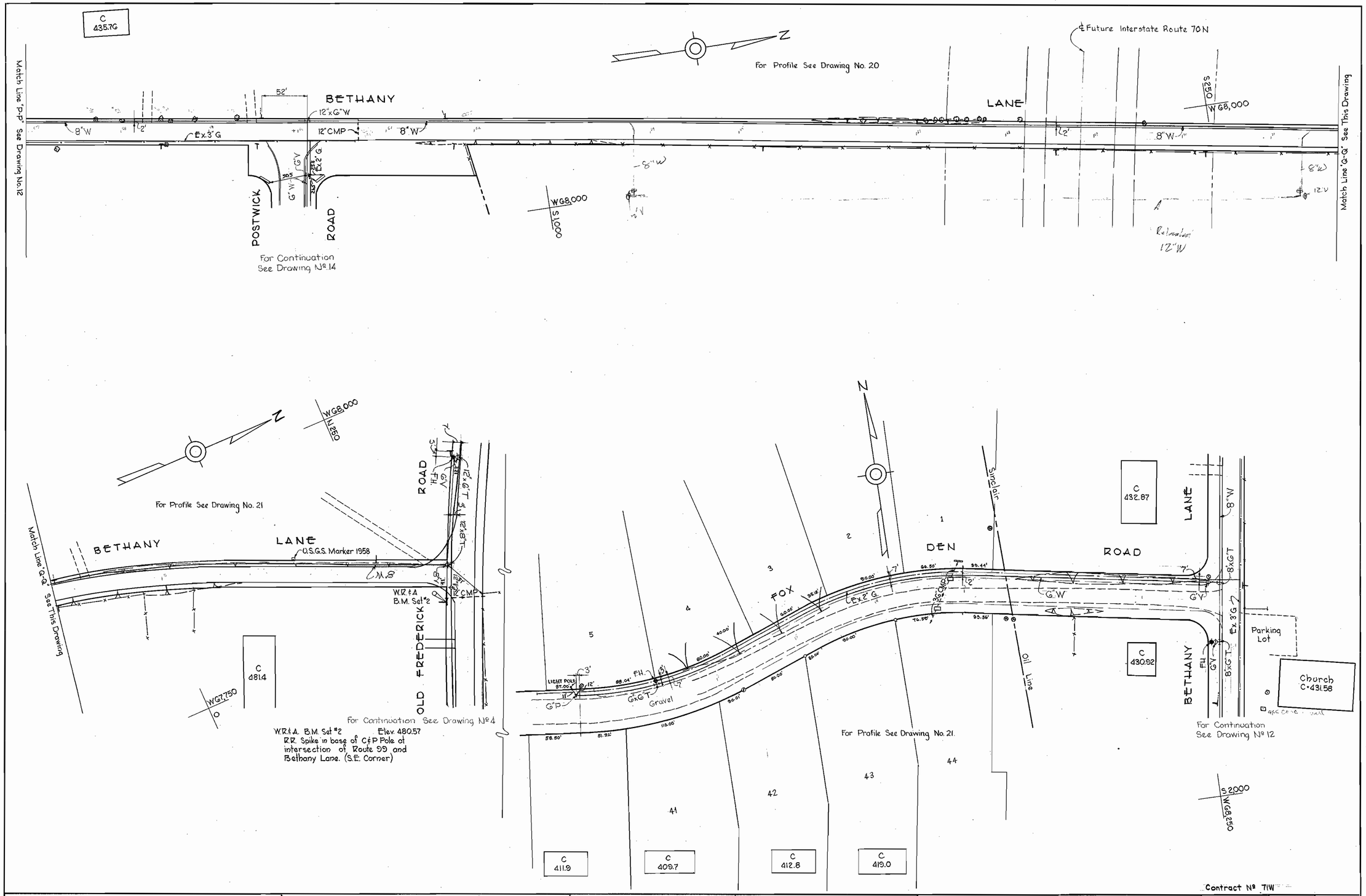


WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION Jan. 3, 1964 DATE CHIEF ENGINEER	CONTRACT NO. 71 W	PLAN OF WATER MAIN EXTENSIONS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 12 OF 21	SCALE 1"=50'

W.O. 5318-2

AS BUILT 5 NOV. 1965

WS 71W/12



Contract No. 71W

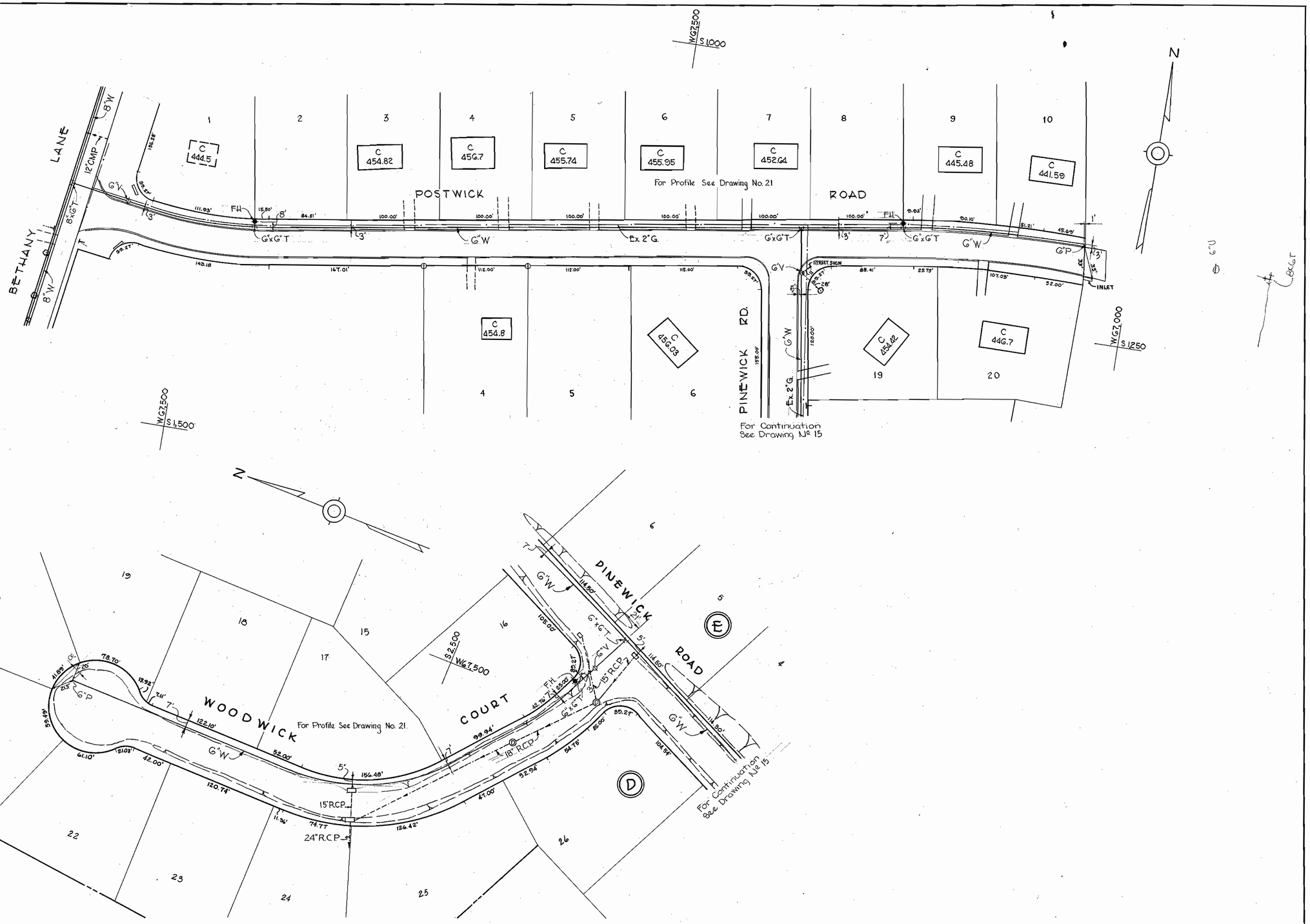
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION Jan. 3, 1964 DATE CHIEF ENGINEER	CONTRACT NO. 71W	PLAN OF WATER MAINS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 13 OF 21	SCALE 1"=50'

W. O. 5318-2

AS BUILT 5 NOV 1965

F.B. 2171, 3060

WS 71W/13



WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION Jan. 3, 1964 DATE Carl W. Krueger CHIEF ENGINEER	CONTRACT NO. 71W	PLAN OF WATER MAINS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 14 OF 21	SCALE 1"=50'

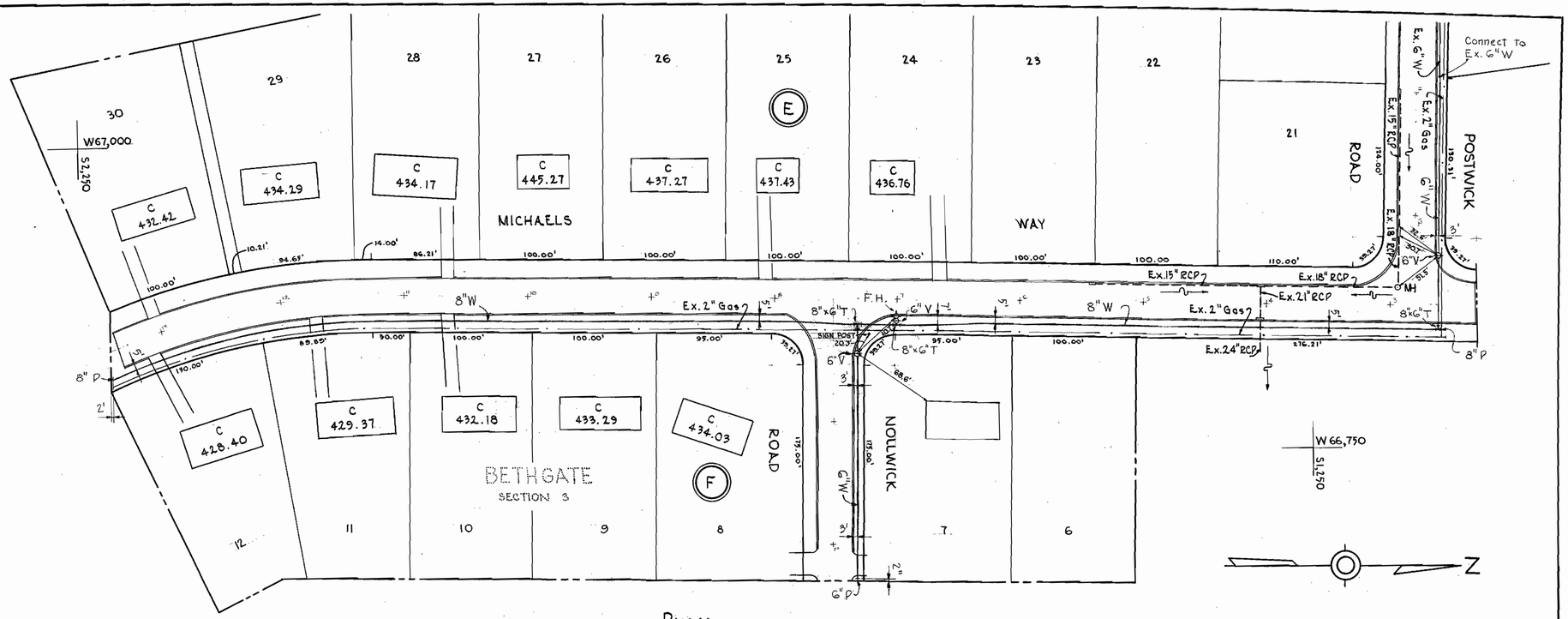
Contract 71 W

W.O. 5318-2 (6021-2)

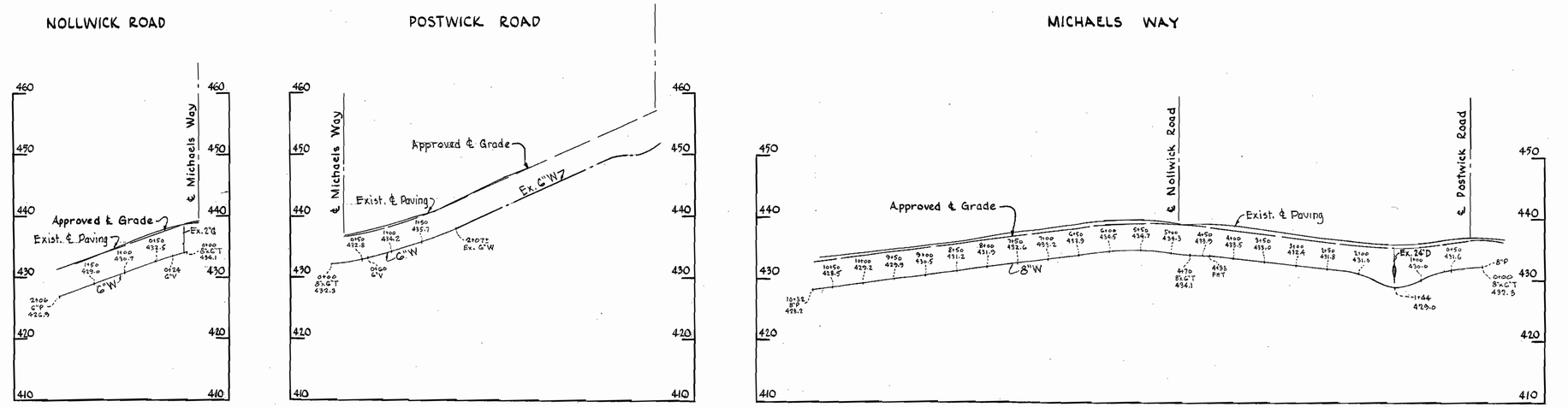
AS BUILT 5 NOV. 1965

W/S 71W/14

9. . ELLIOTT CO., PGH., PA. REORDER A-21636



PLAN
Scale: 1"=50'



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

Contract No. 71 W

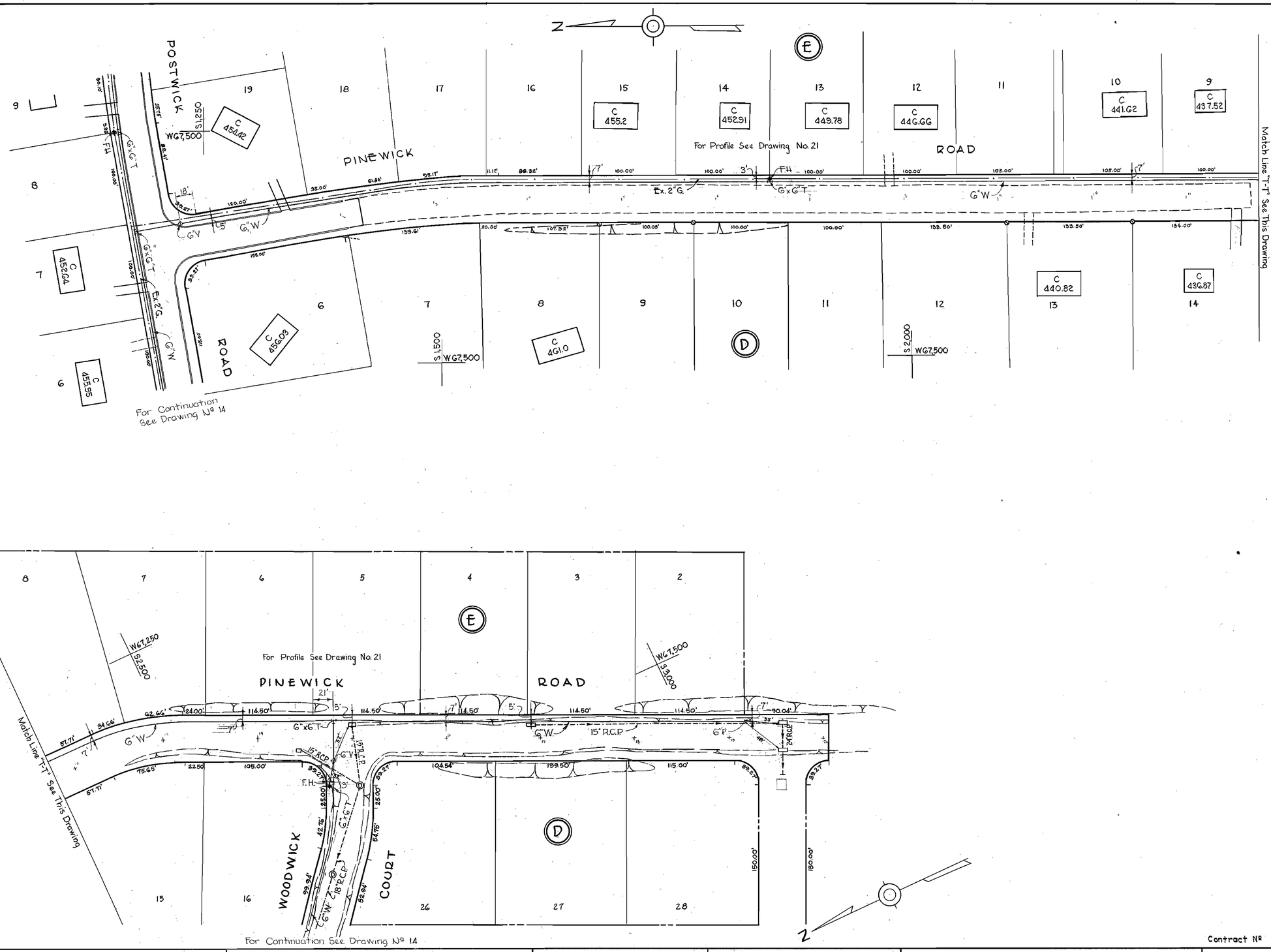
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION Mar. 5, 1965 DATE W O Filbert CHIEF ENGINEER	CONTRACT NO. 71-W	PLAN AND PROFILE OF WATER MAINS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 14A OF 21	SCALE AS SHOWN

W. O. 5318-2 (6021-2)

AS BUILT 5 NOV. 65

FB 30488

WS 71W/14-A



WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION Jan. 3, 1964 DATE Carl W. Mayer CHIEF ENGINEER	CONTRACT NO. 71W	PLAN OF WATER MAINS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 15 OF 21 SCALE 1"=50' 2,3 SW 45 2 SW 46 F.B. 217

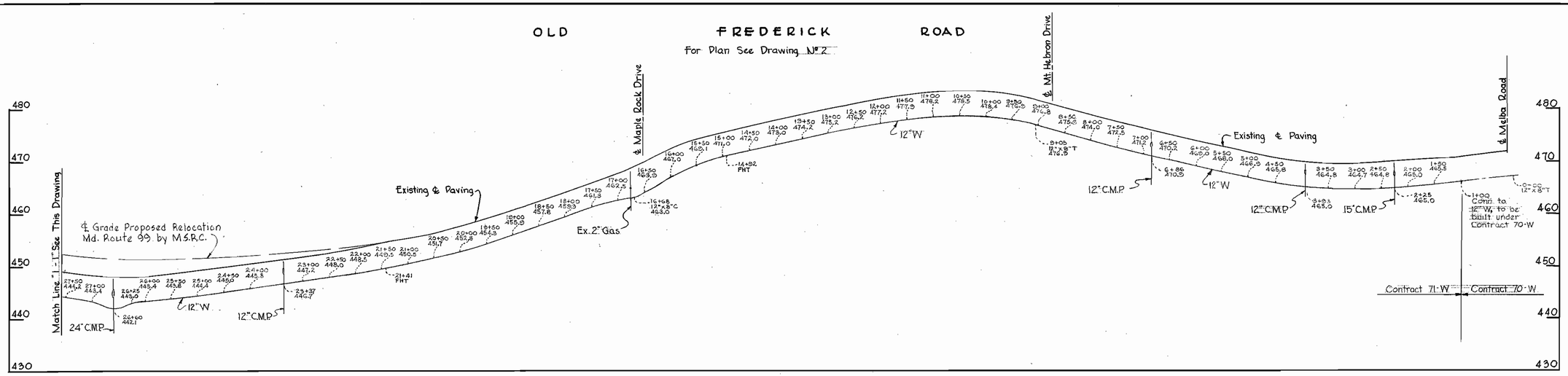
Contract Nº 71W

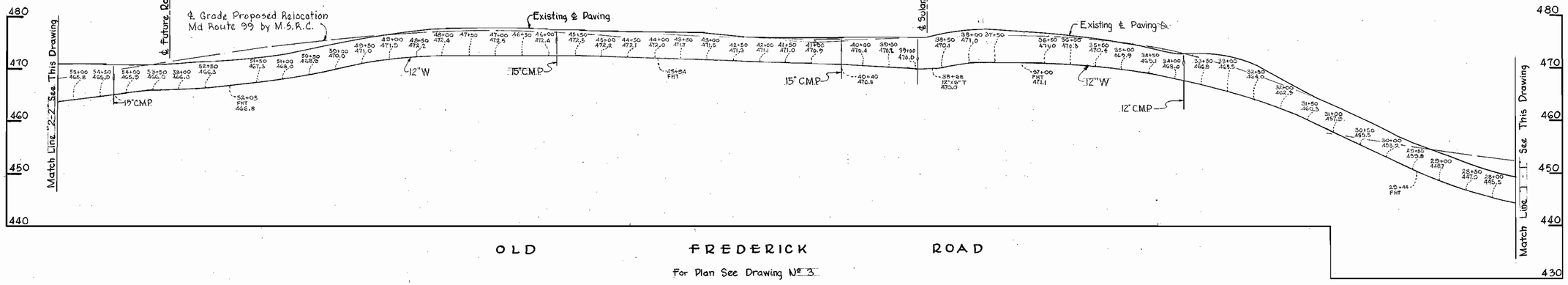
W. O. 5318-2 (6021-2)

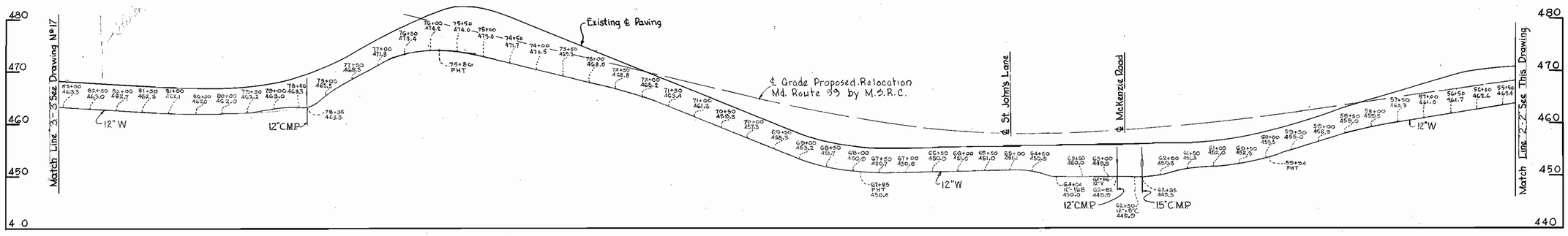
AS BUILT 5 NOV 1965

ELLIOTT CO., PITTSBURGH REORDER A-39070

71W 15 SW







WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION March 20, 1964 (DATE) Carl W. Mayer (CHIEF ENGINEER)	CONTRACT NO. 71W	PROFILES OF WATER MAINS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 16 OF 21	SCALE H:1"=100' V:1"=10'

Contract N° 71W

W. O. 5318-2

AS BUILT 5 NOV. 1965

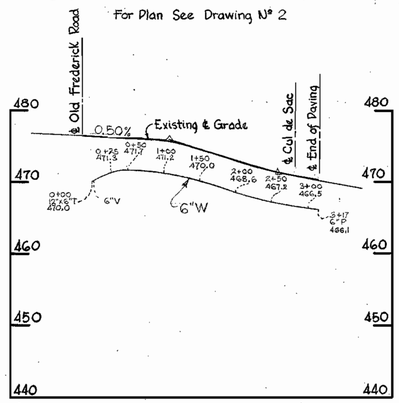
WS 71W/16

ELLIOTT CO., PITTSBURGH REORDER A-39070

No	Date	Revision
1	9-13-64	Elevated Storage Tank Relocated

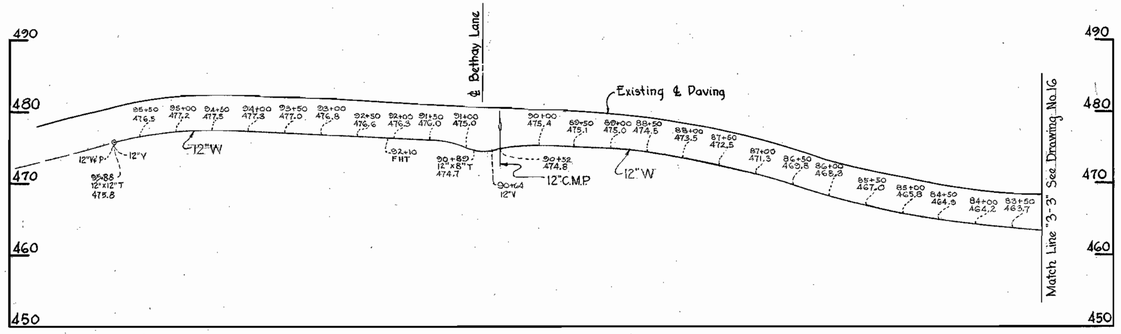
SOLAND CIRCLE

For Plan See Drawing No 2



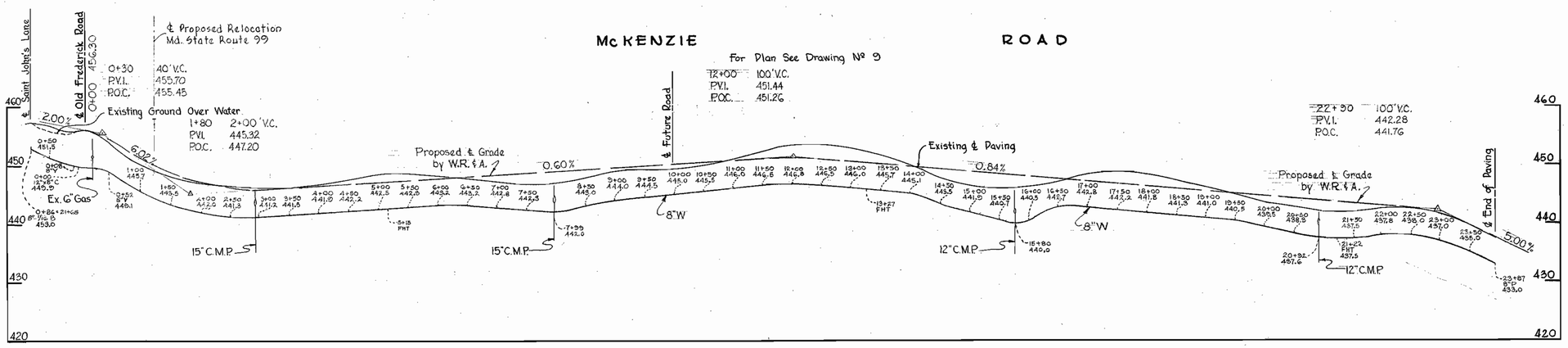
OLD FREDERICK ROAD

For Plan See Drawing No 4



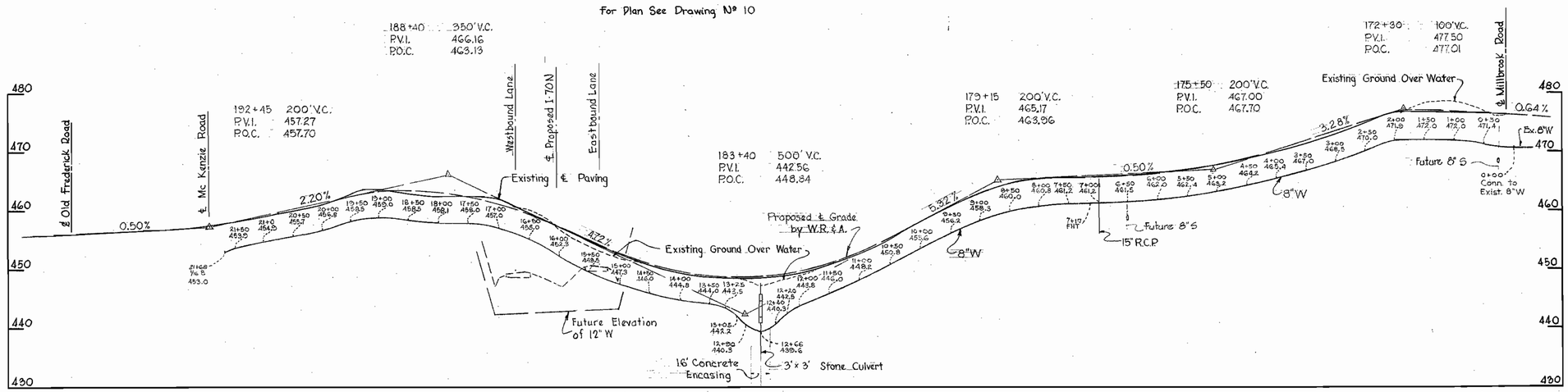
McKENZIE ROAD

For Plan See Drawing No 9



SAINT JOHN'S LANE

For Plan See Drawing No 10



Contract No 71W

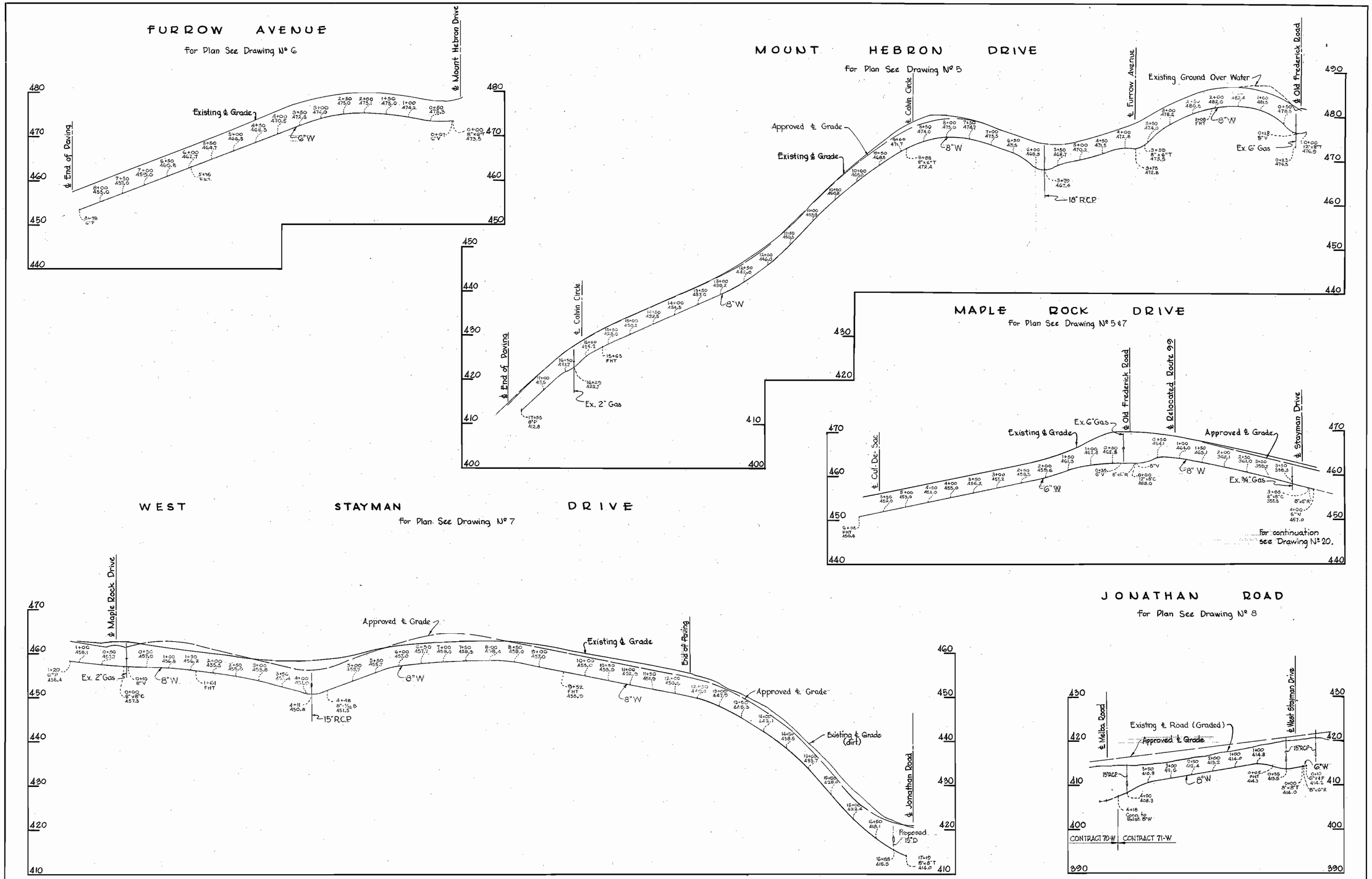
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION March 20, 1964 (DATE) Carl W. Mayer (CHIEF ENGINEER)	CONTRACT NO. 71W	PROFILES OF WATER MAINS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 17 OF 21	SCALE H: 1"=100' V: 1"=10'

W. O. 5318-2

AS BUILT 5 NOV. 1965

71W/17 WS

ELLIOTT CO., PITTSBURGH REORDER A-28070



Contract Nº 71 W

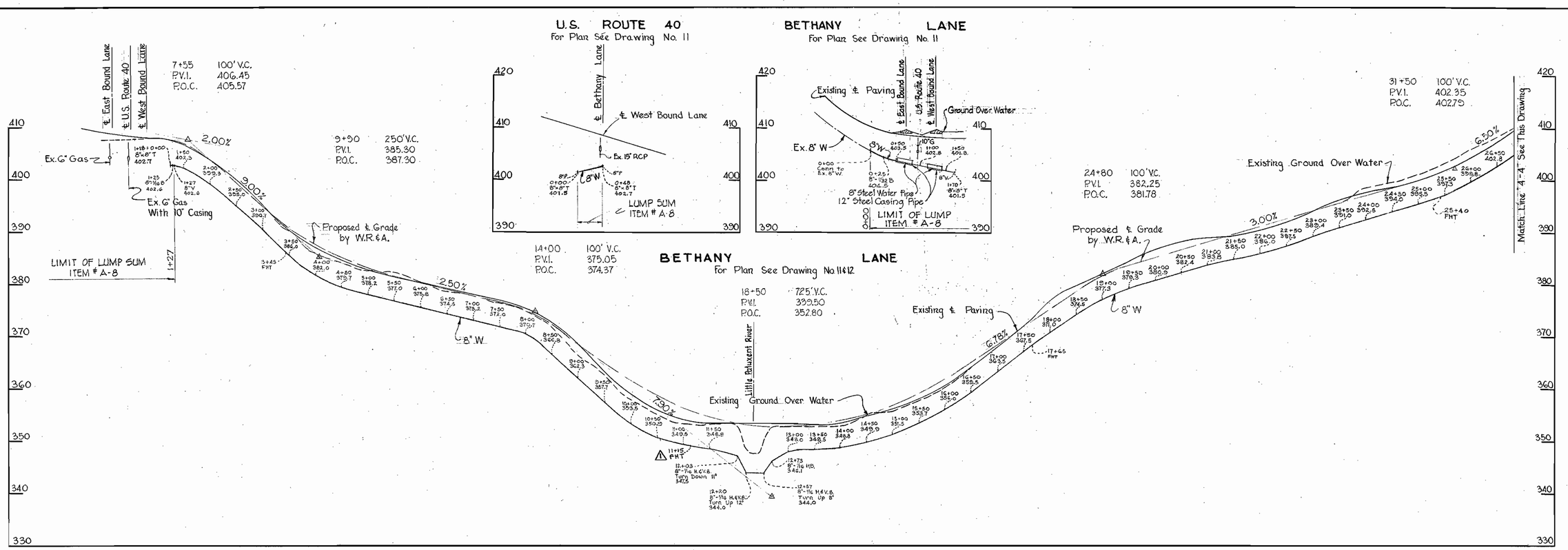
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION March 20, 1964 (DATE) — Carl W. Meyers (CHIEF ENGINEER)	CONTRACT NO. 71W	PROFILES OF WATER MAINS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 18 OF 21	SCALE H: 1"=100' V: 1"=10'

W. O. 5318-2

AS BUILT 5 NOV. 1965

ELLIOTT CO., PITTSBURGH REORDER A-39070

WS 71W/18



No	Date	Revision
1	10-14-64	Fire Hydrant relocated.

Contract N° 71W

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION March 20, 1964 DATE — CHIEF ENGINEER	CONTRACT NO. 71W	PROFILES OF WATER MAINS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 19 OF 21	SCALE H: 1"=100' V: 1"=10'

W.O. 5318-2

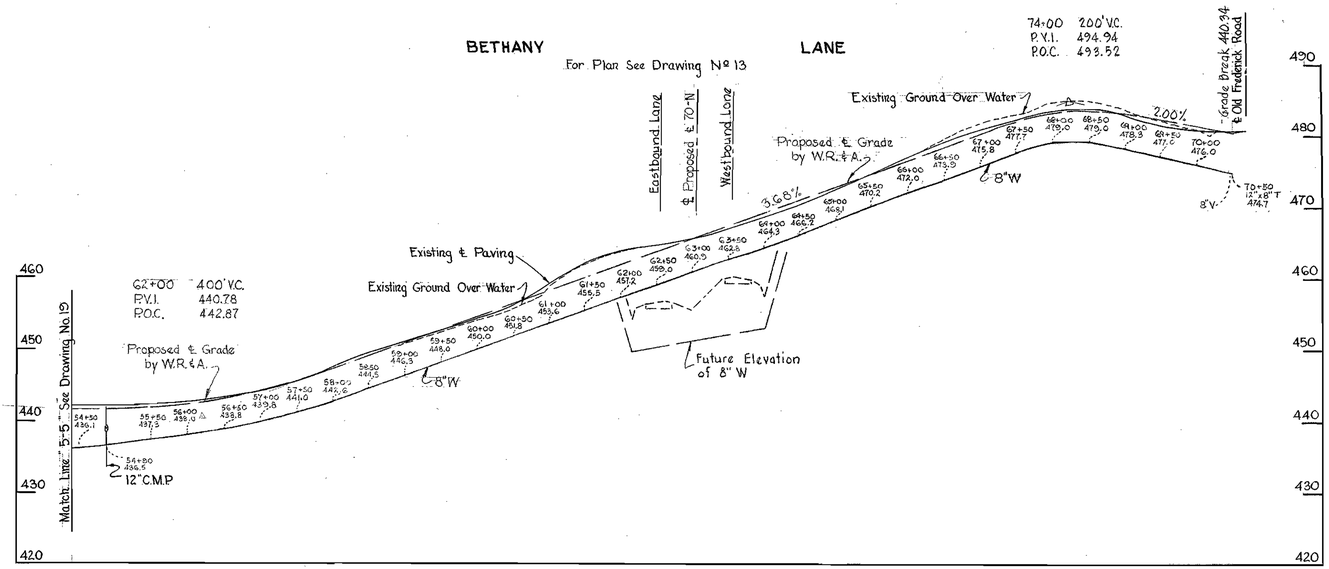
AS BUILT 5 NOV. 1965

WS 71W/19

6. ELLIOTT CO., PGH., PA. REORDER A-21638

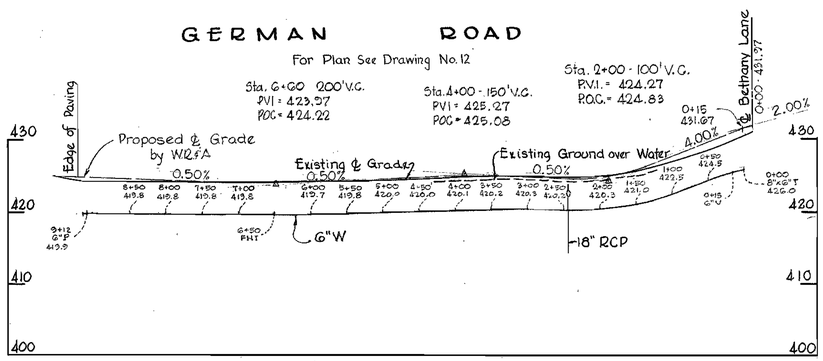
BETHANY LANE

For Plan See Drawing Nº 13



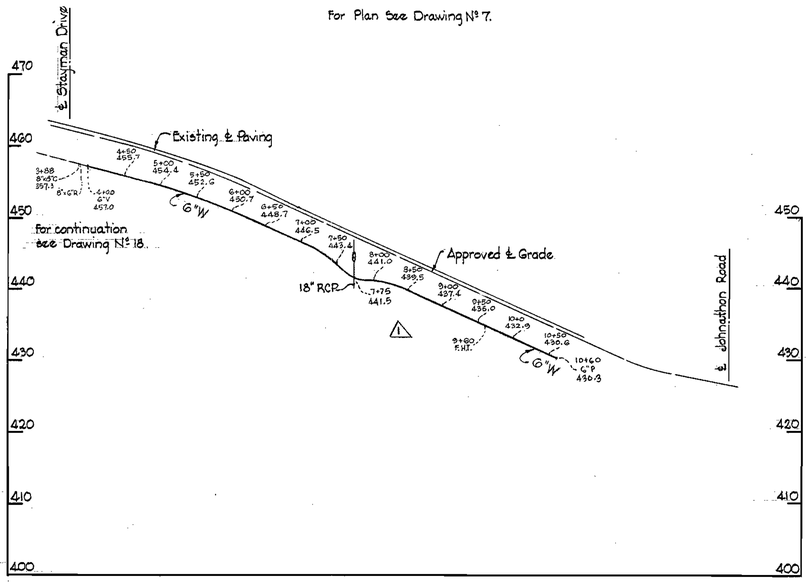
GERMAN ROAD

For Plan See Drawing No. 12



MAPLE ROCK DRIVE

For Plan See Drawing Nº 7.



⚠	11-18-64	Added Profile of Maple Rock Drive (6"W)
Nº	Date	Revision

Contract Nº 71W

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION March 20, 1964 (DATE) Carl W. Krueger (CHIEF ENGINEER)	CONTRACT NO. 71W	PROFILES OF WATER MAINS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 20 OF 21	SCALE H: 1"=100' V: 1"=10'

W. O. 5918-2

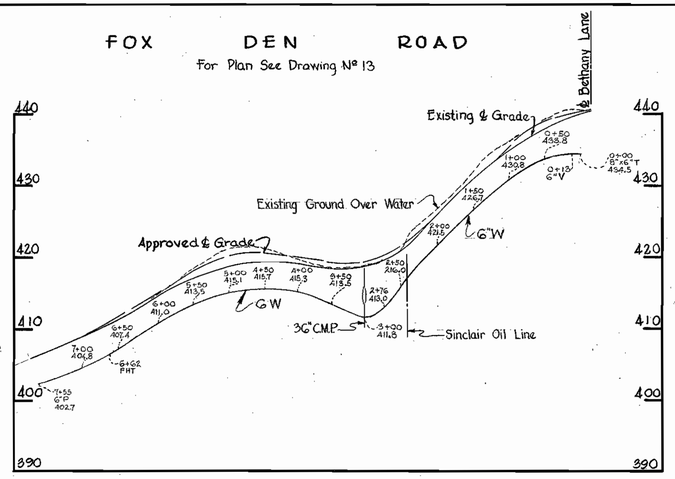
AS BUILT 5 NOV. 1965

WS 71W/20

ELLIOTT CO., PITTSBURGH REORDER A-39070

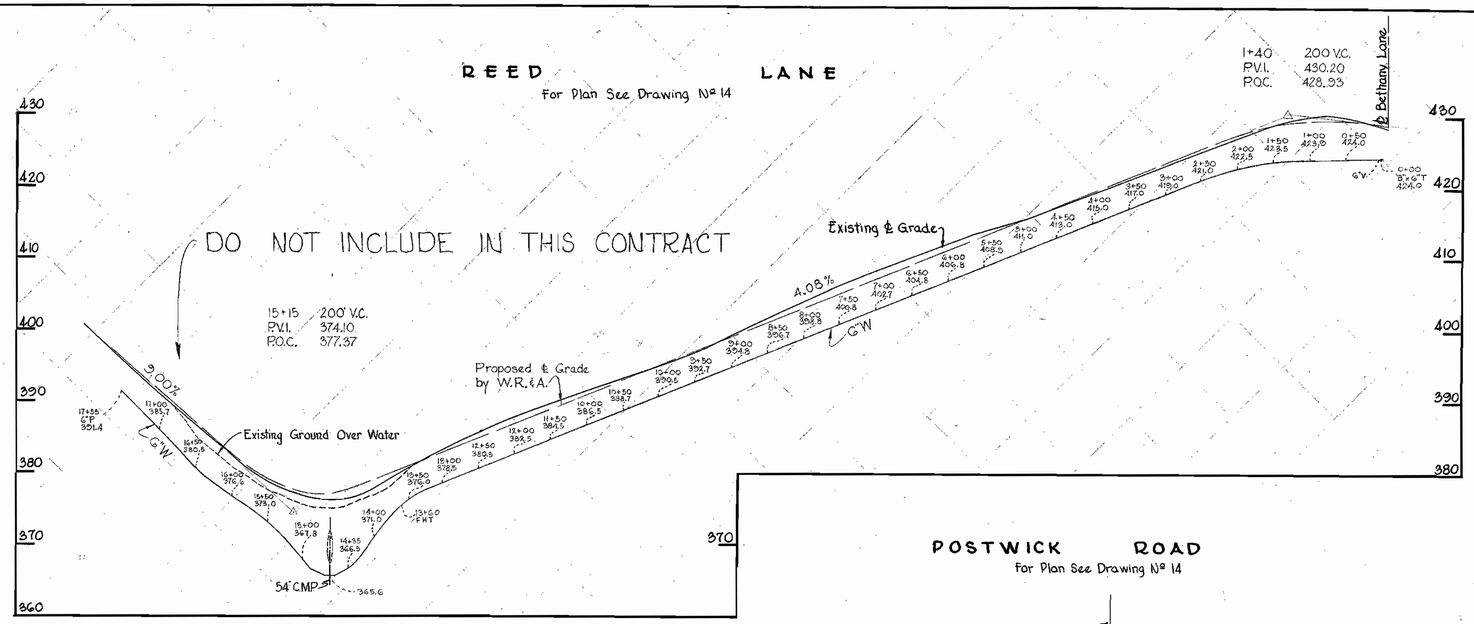
FOX DEN ROAD

For Plan See Drawing Nº 13



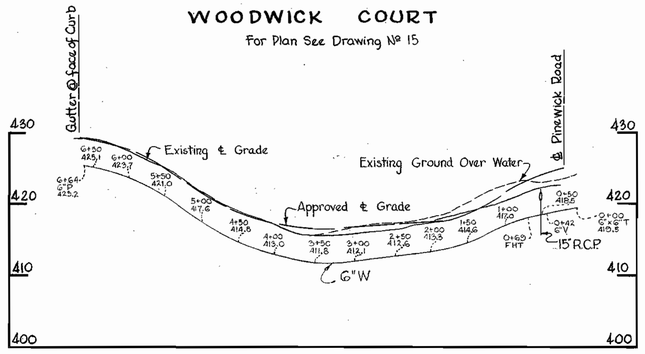
REED LANE

For Plan See Drawing Nº 14



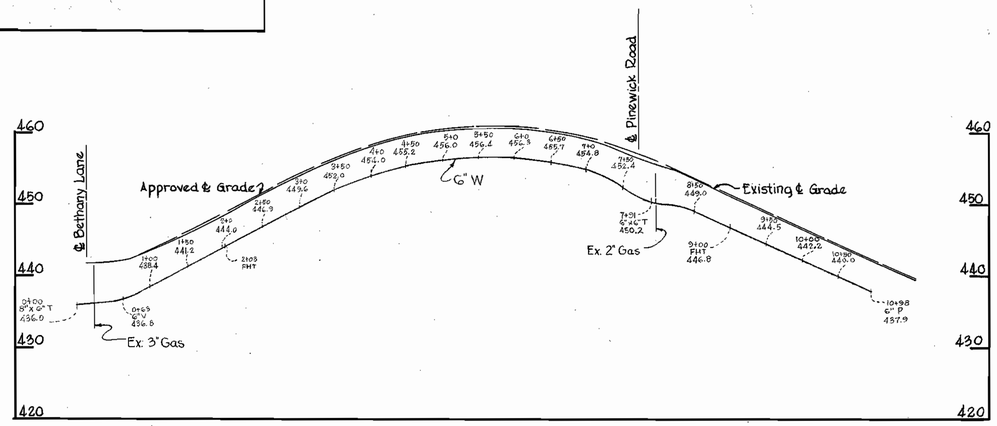
WOODWICK COURT

For Plan See Drawing Nº 15



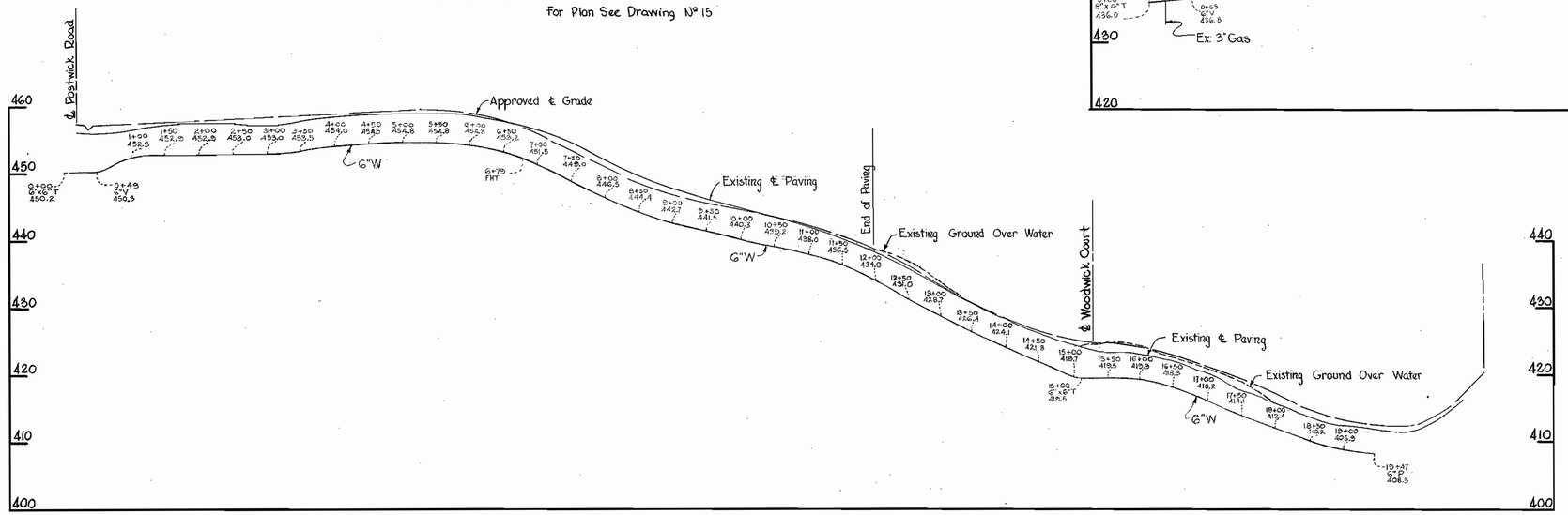
POSTWICK ROAD

For Plan See Drawing Nº 14



PINEWICK ROAD

For Plan See Drawing Nº 15



Contract Nº 71 W

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION March 20, 1964 (DATE) Carl W. Mayer (CHIEF ENGINEER)	CONTRACT NO. 71W	PROFILES OF WATER MAINS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 21 OF 21	SCALE H: 1"=100' V: 1"= 10'

W. O. 5318-2

AS BUILT 5 NOV. 1965

WS 71W/21

ELLIOTT CO., PITTSBURGH REORDER A-39070