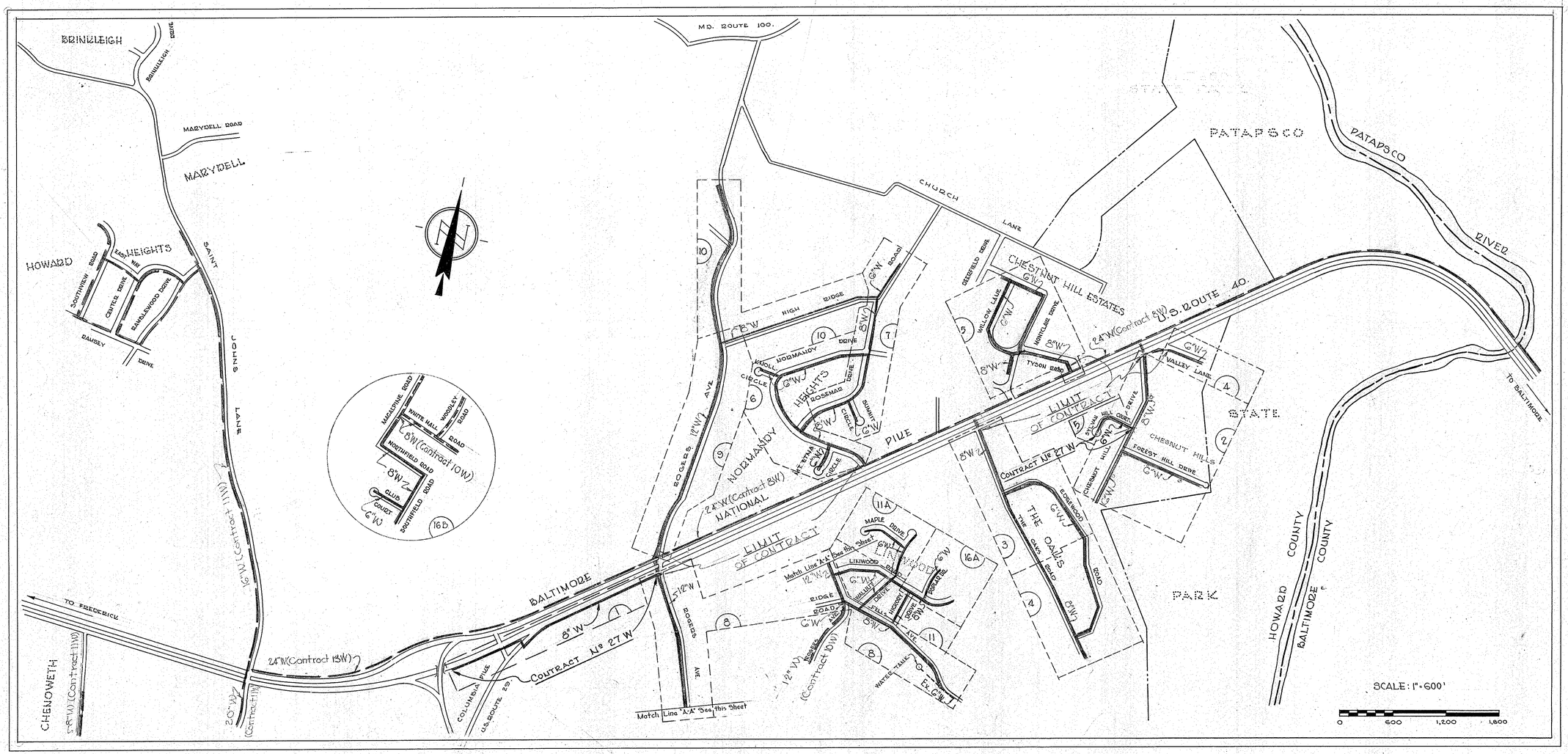


CONTRACT 9W
WATER MAIN EXTENSIONS
HOWARD COUNTY METROPOLITAN COMMISSION
ELLICOTT CITY SUB-DISTRICT

Revised 1-7-53 10"W in Rogers Avenue South of Route #40 changed to 12"W

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION July 30, 1958 DATE Carl W. Meyers CHAIRMAN	CONTRACT NO. 9 W	LOCATION MAP OF WATER MAIN EXTENSIONS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 1 OF 16	SCALE AS SHOWN

AS BUILT

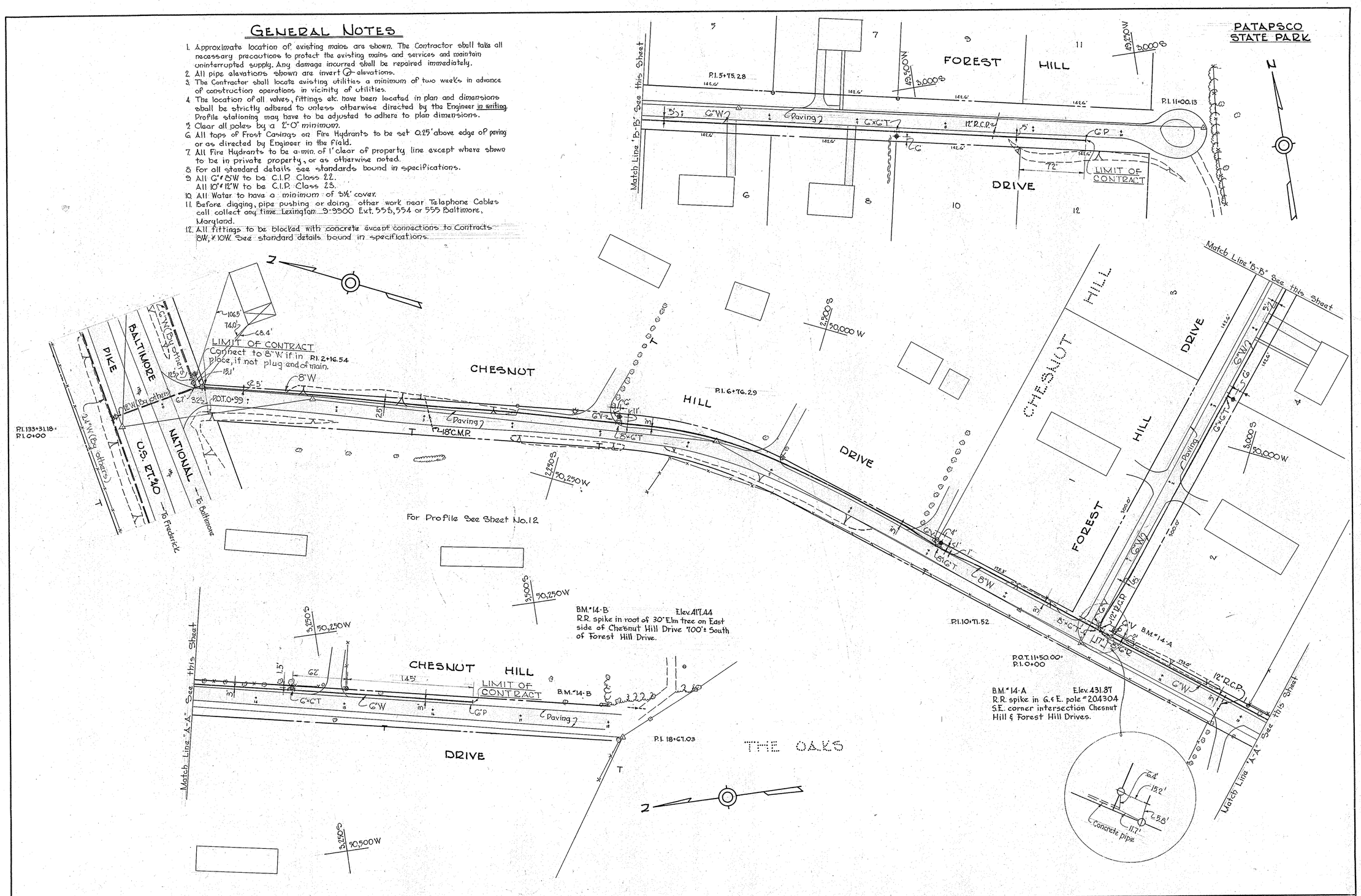
W.O. 4649

K. ELLIOTT CO. #70132 11-56 100

1/M6 SM

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. 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. Profile stationing may have to be adjusted to adhere to plan dimensions.
5. Clear all poles by a 2'-0" minimum.
6. All tops of Frost Casings on Fire Hydrants to be set 0.25' above edge of paving or as directed by Engineer in the field.
7. All Fire Hydrants to be a min. of 1' clear of property line except where shown to be in private property, or as otherwise noted.
8. For all standard details see standards bound in specifications.
9. All 6" & 8"W to be C.I.P. Class 22.
   All 10" & 12"W to be C.I.P. Class 23.
10. All Water to have a minimum of 3½' cover.
11. Before digging, pipe pushing or doing other work near Telephone Cables call collect any time Lexington 9-9900 Ext. 553, 554 or 555 Baltimore, Maryland.
12. All fittings to be blocked with concrete except connections to Contracts 8W, & 10W. See standard details bound in specifications.



WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION July 30, 1958 DATE Carl W. Meyer CHAIRMAN	CONTRACT NO. 9W	PLAN OF WATER MAIN EXTENSIONS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 2 OF 16	SCALE 1"=50'

AS BUILT

W.O. 4649

K. ELLIOTT CO. #70132 11-56 100

2/W6 SM

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION July 30, 1958 DATE — CHAIRMAN	CONTRACT NO. 9W	PLAN OF WATER MAIN EXTENSIONS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 3 OF 16	SCALE 1" = 50'

W.O. 4649.

AS BUILT.

K. ELLIOTT CO. #70132 11-58 100

WS 9W 3

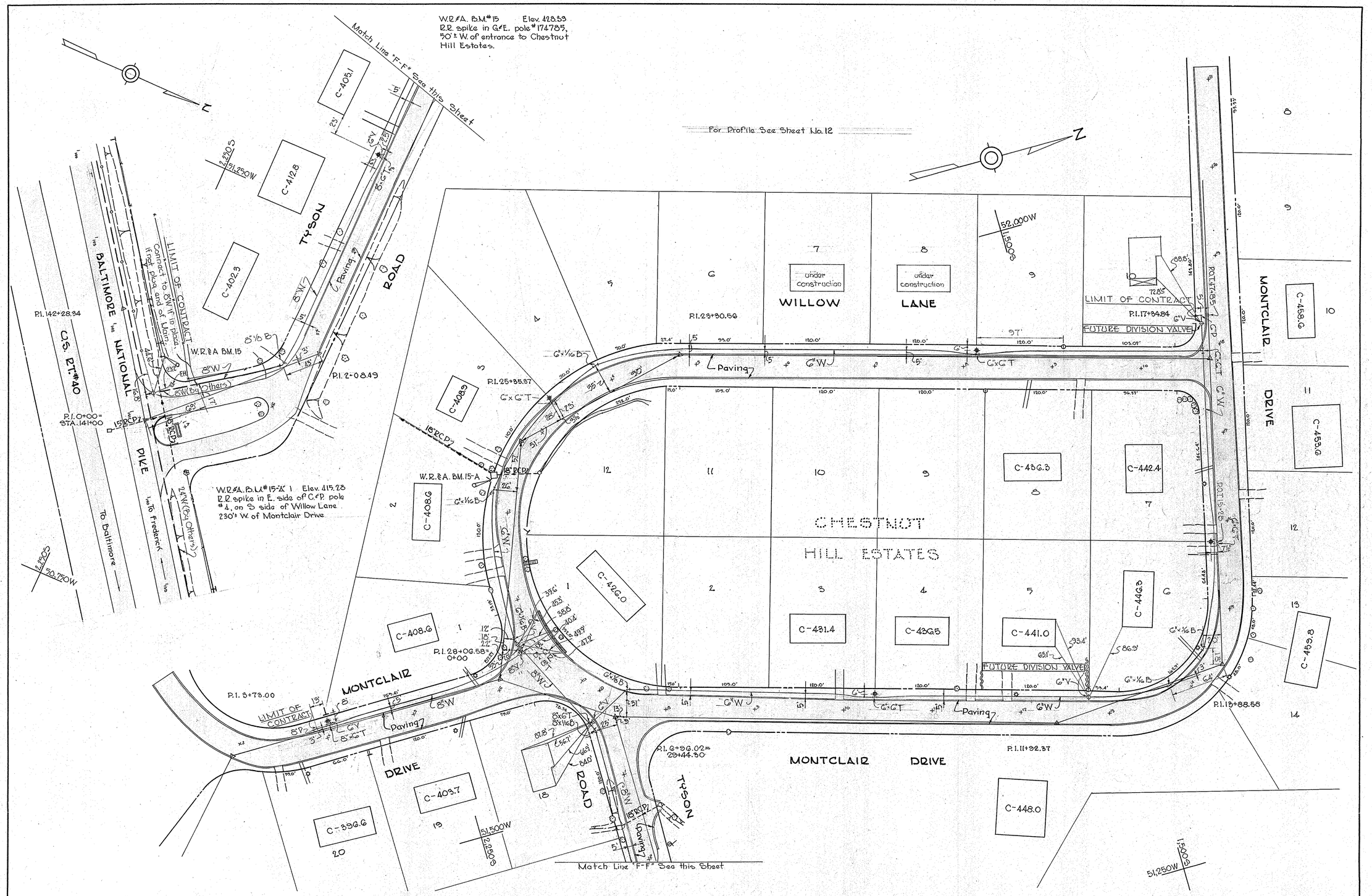
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION July 30, 1958 DATE — Carl W. Mayer CHAIRMAN	CONTRACT NO. 9W	PLAN OF WATER MAIN EXTENSIONS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 4 OF 16	SCALE 1" = 50'

W.O. 4649.

AS BUILT

WS 9W/4

K. ELLIOTT CO. Z70132 11-56 100



WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION July 30, 1958 DATE Carl W. Meyer CHAIRMAN	CONTRACT NO. 9W	PLAN OF WATER MAIN EXTENSIONS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 5 OF 16	SCALE 1"= 50'	2SW35

W.O. 4649

AS BUILT

K. ELLIOTT CO. #70132 11-56 100

WS 9W/5

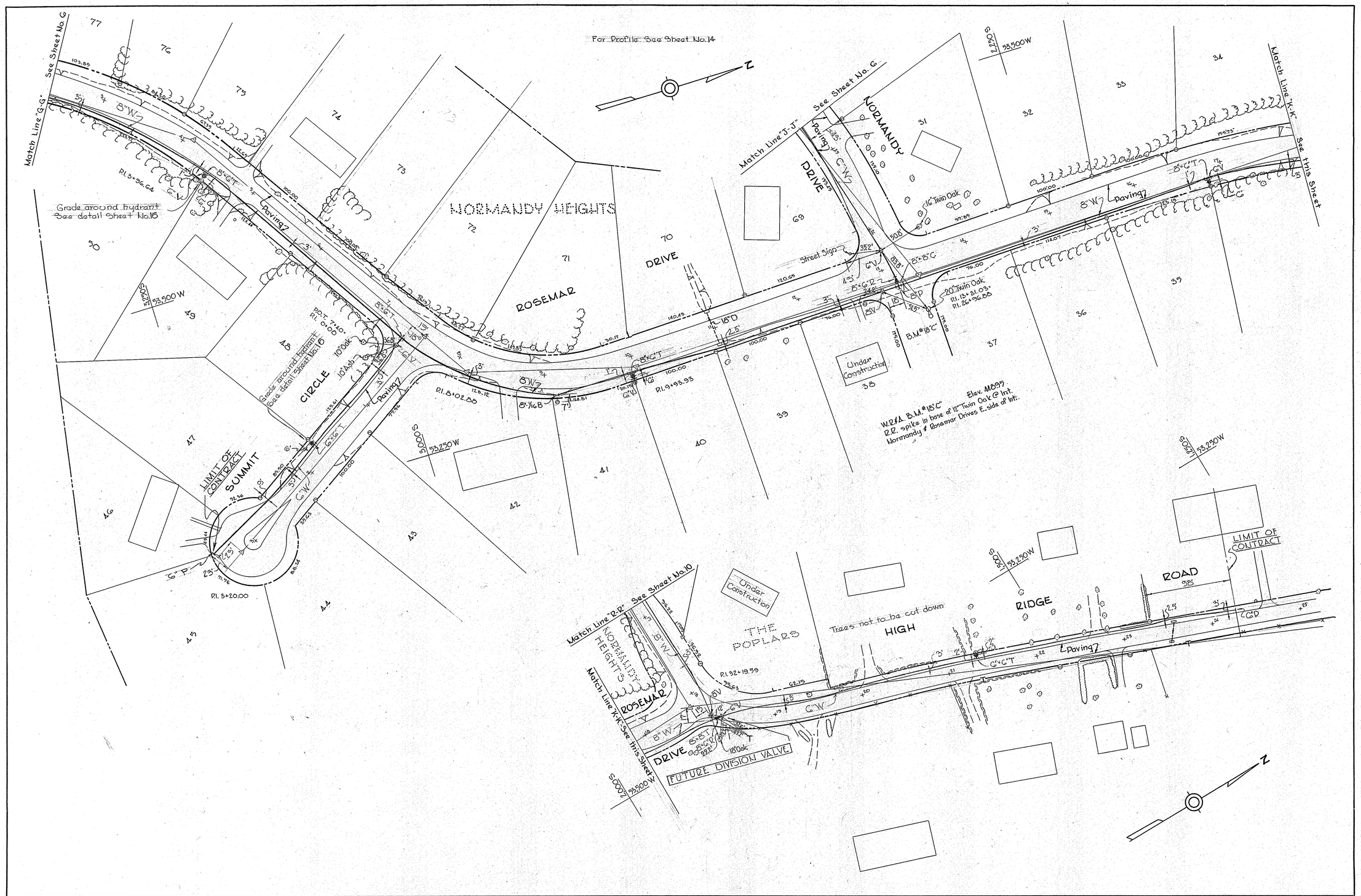
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION July 30, 1958 DATE — Carl W. Meyer CHAIRMAN	CONTRACT NO. 9W	PLAN OF WATER MAIN EXTENSIONS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 6 OF 16	SCALE 1"=50'

W.O. 4649.

AS BUILT

K. ELLIOTT CO. #70132 11-56 100

9W6 SM



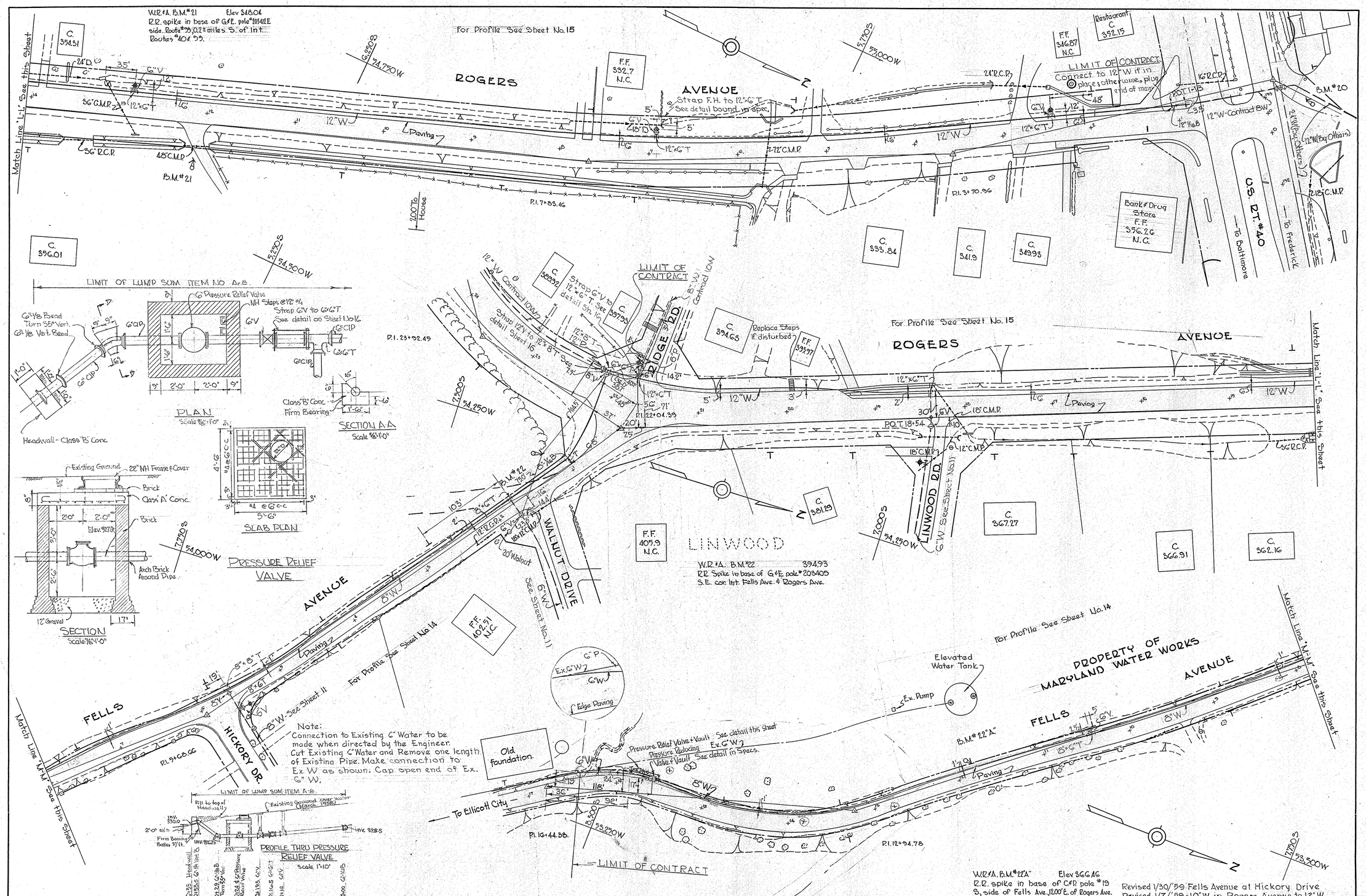
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION July 30, 1958 DATE — Carl W. Mayer CHAIRMAN	CONTRACT NO. 9 W	PLAN OF WATER MAIN EXTENSIONS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 7 OF 16	SCALE 1"=50'

W.O. 4649.

AS BUILT

K. ELLIOTT CO. #70132 11-56 100

WS 9W/7



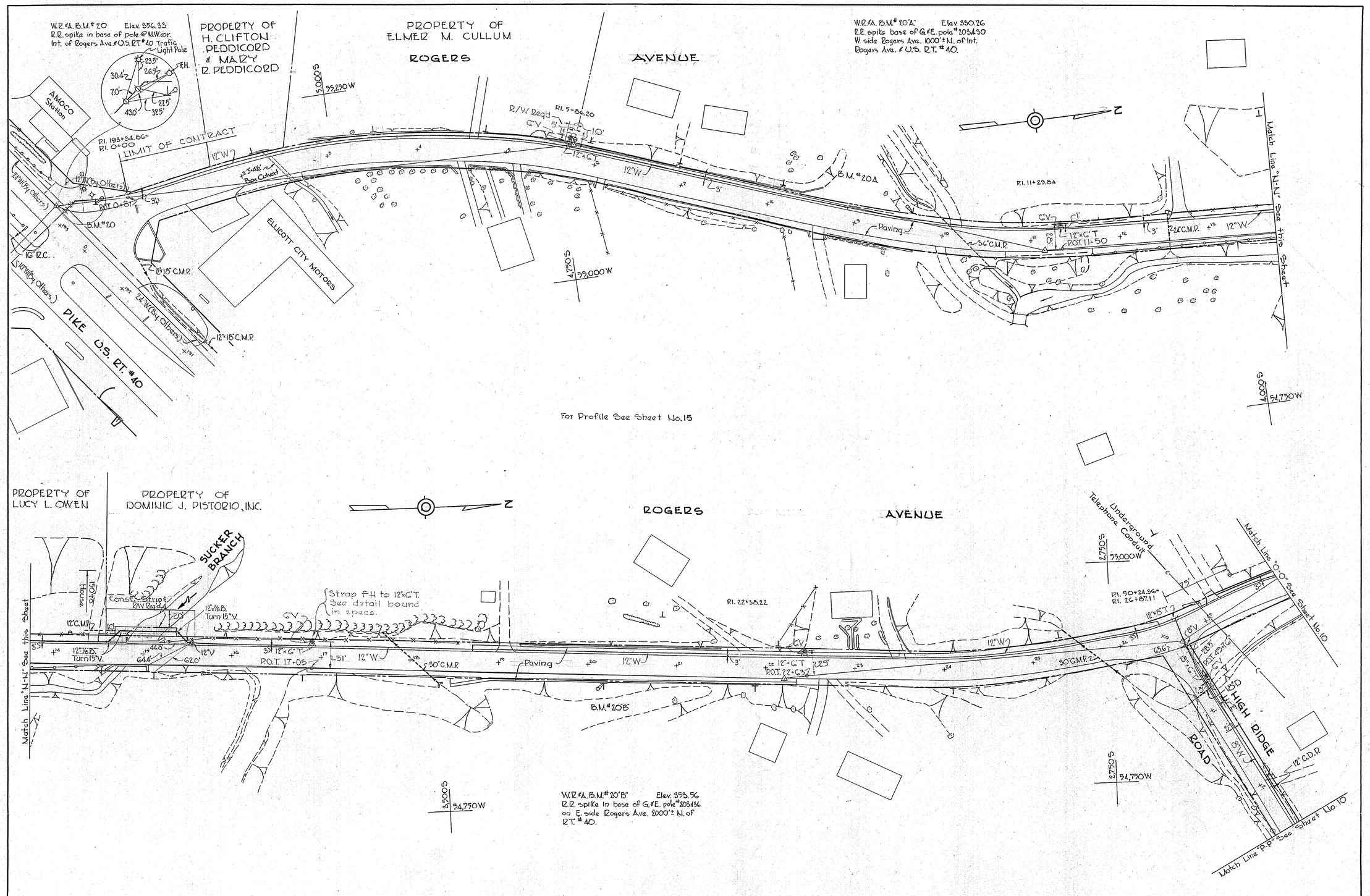
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION July 30, 1958 DATE — Carl W. Rieger CHAIRMAN	CONTRACT NO. 9W	PLAN OF WATER MAIN EXTENSIONS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 8 OF 16	SCALE 1"=50'

W.O. 4649

AS BUILT.

K. ELLIOTT CO. #70132 11-56 100

WS 9W/8



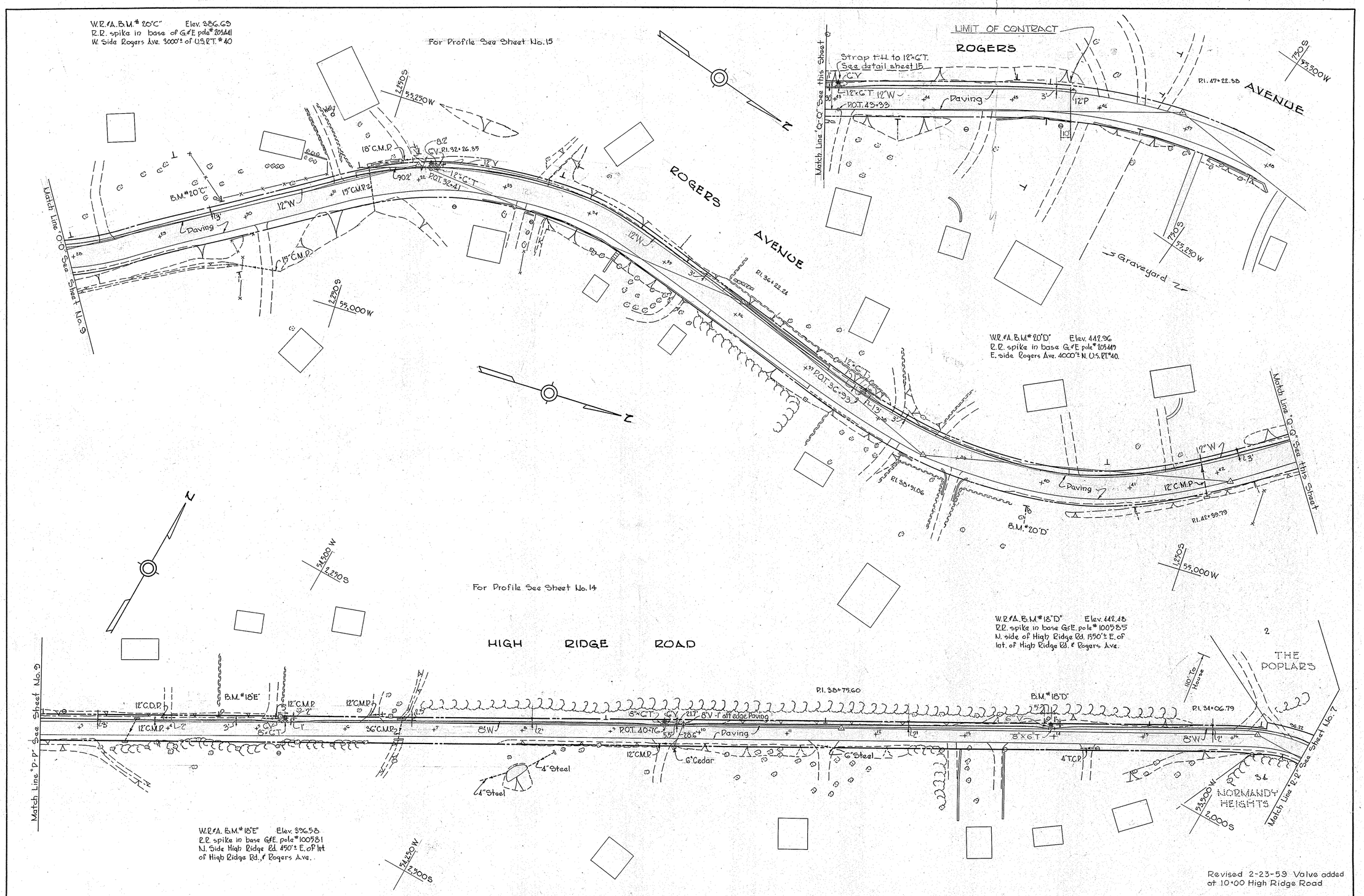
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION July 30, 1958 DATE — Carl W. Morgan CHAIRMAN	CONTRACT NO. 9W	PLAN OF WATER MAIN EXTENSIONS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 9 OF 16	SCALE 1" = 50'

W.O. 4649.

AS BUILT

WS 9W/9

K. ELLIOTT CO. #70132 11-56 100



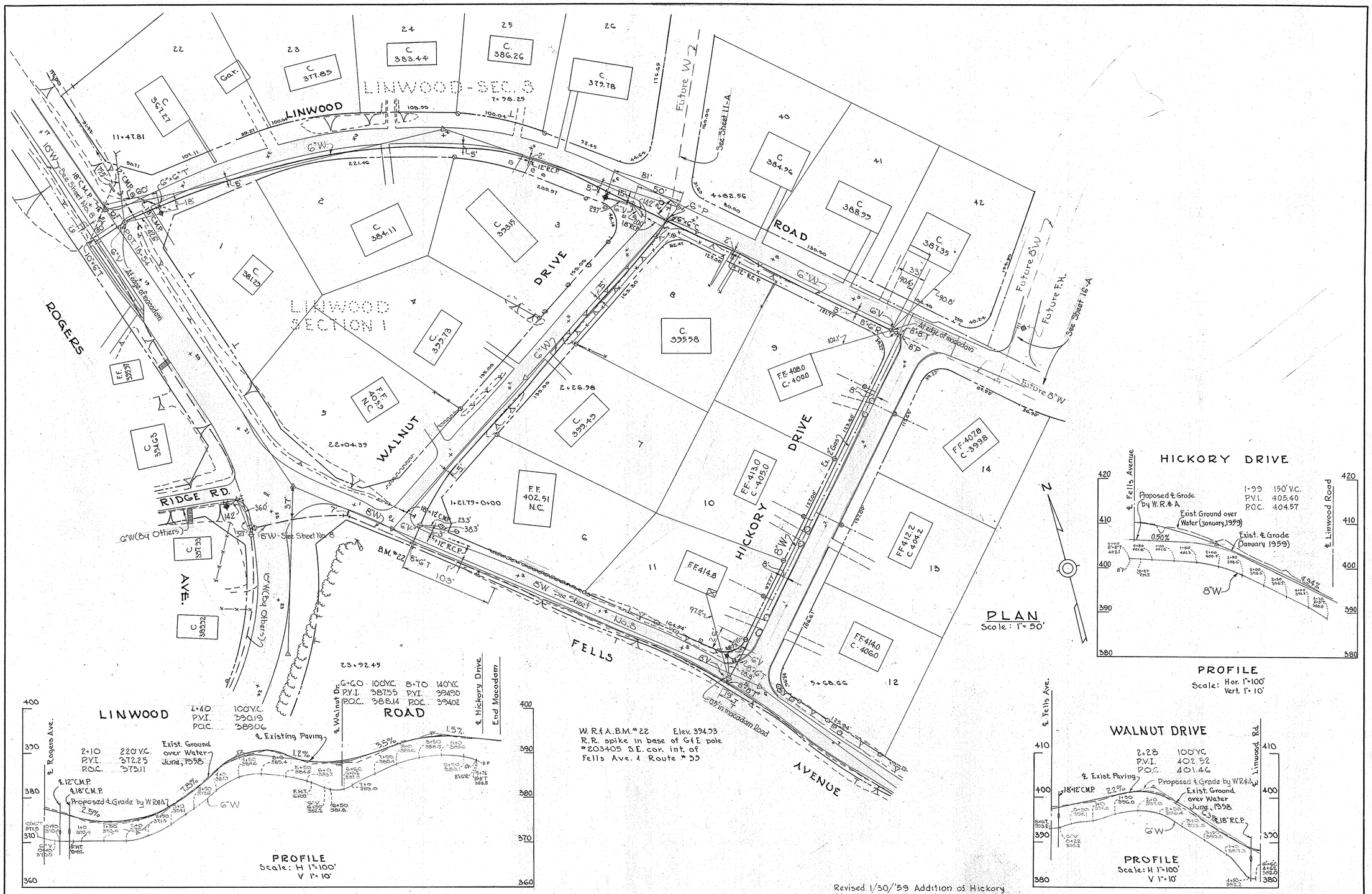
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION July 30, 1958 DATE — Earl W. Mayer CHAIRMAN	CONTRACT NO. 9W	PLAN OF WATER MAIN EXTENSIONS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 10 OF 16	SCALE 1"=50'

AS BUILT

W.O. 4649.

WS 9W/10

K. ELLIOTT CO. #70132 11-58 100



Revised 1/30/'59 Addition of Hickory Drive Plan and Profile.

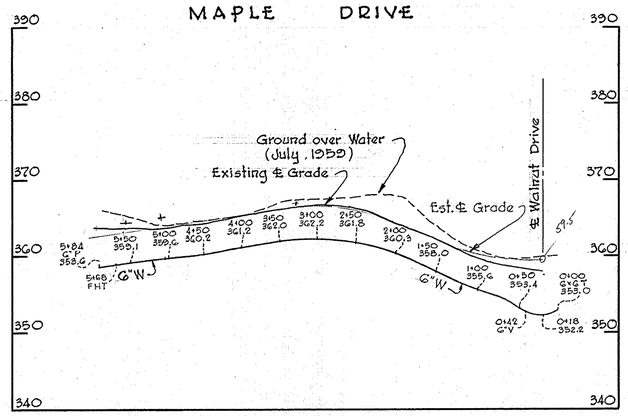
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION July 30, 1958 DATE Carl W. Meyer CHAIRMAN	CONTRACT NO. 9W	PLAN AND PROFILE OF WATER MAIN EXTENSIONS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 11 OF 16	SCALE AS SHOWN

W.O. 4649

AS BUILT

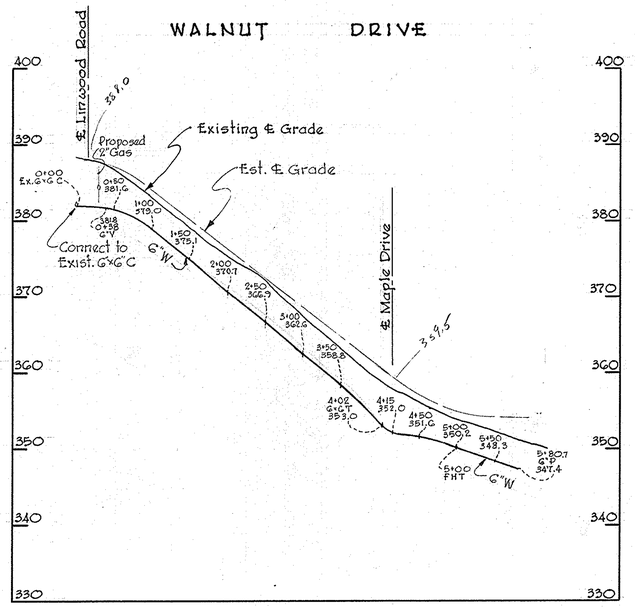
11/M6 SM

K. ELLIOTT CO. #70132 11-56 100



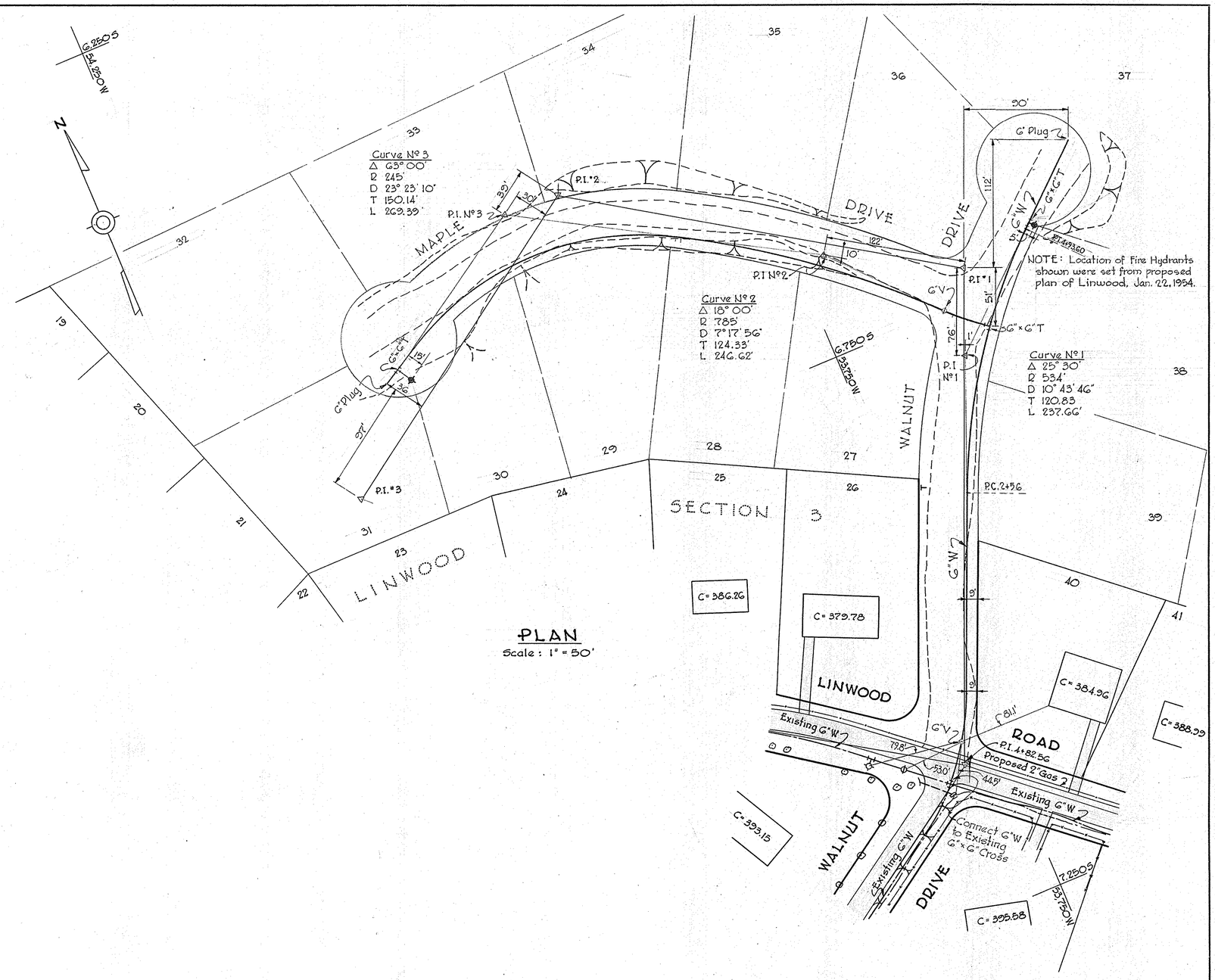
PROFILE

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



PROFILE

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



PLAN

Scale: 1" = 50'

W.R. & A. BM# 22 Elev. 324.93
Railroad spike in base of G & E pole # 203405
Southeast corner intersection of Fells Avenue and Route Nº 99

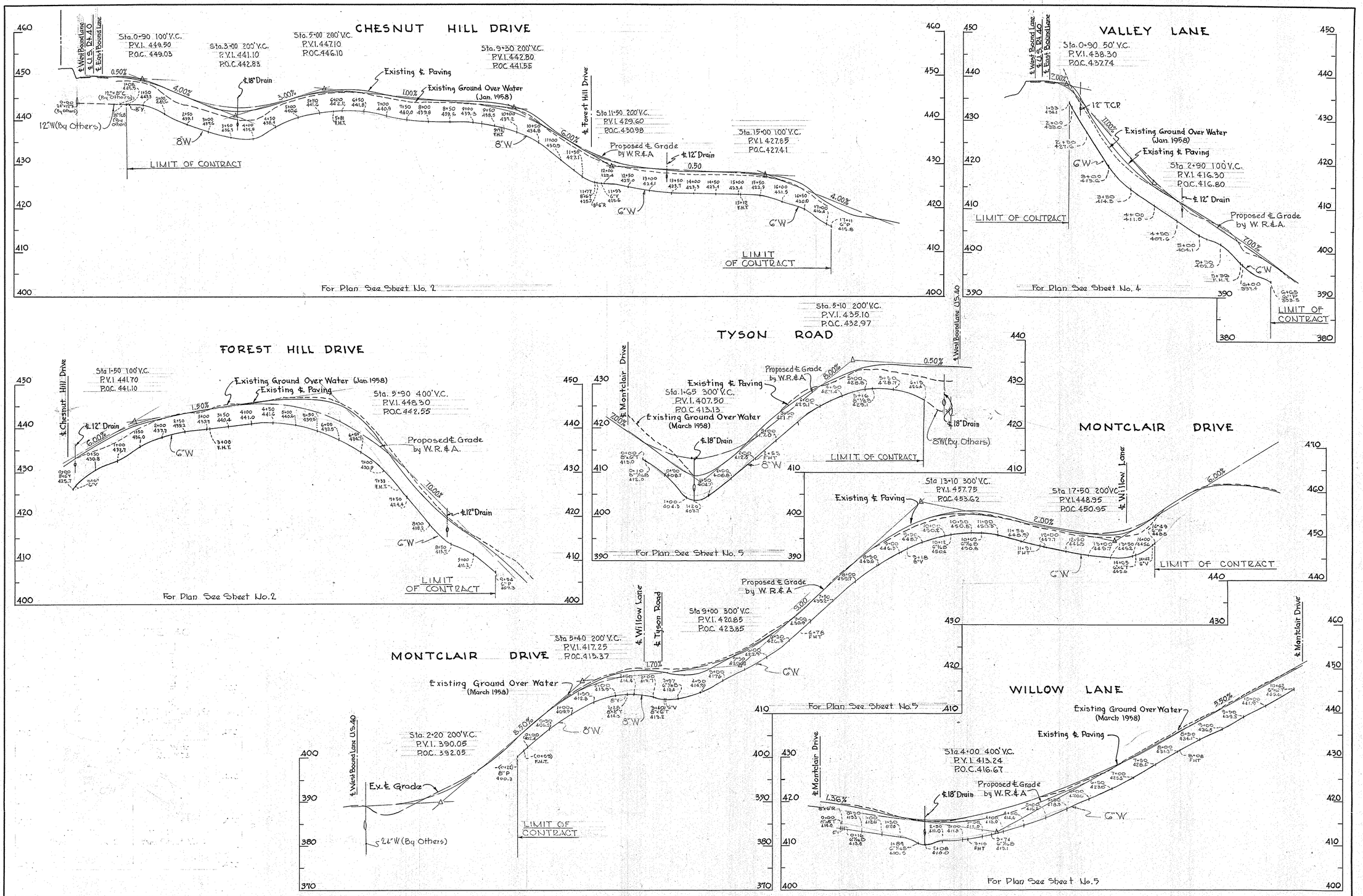
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION DATE CHAIRMAN	CONTRACT NO. 9-W	PLAN AND PROFILE OF WATER MAIN EXTENSIONS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 11A OF 16	SCALE AS SHOWN

W.O. 4649 F.B. 2294

AS BUILT F.B. 2294
AUG. 5, 1959

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

WS 9W/11A



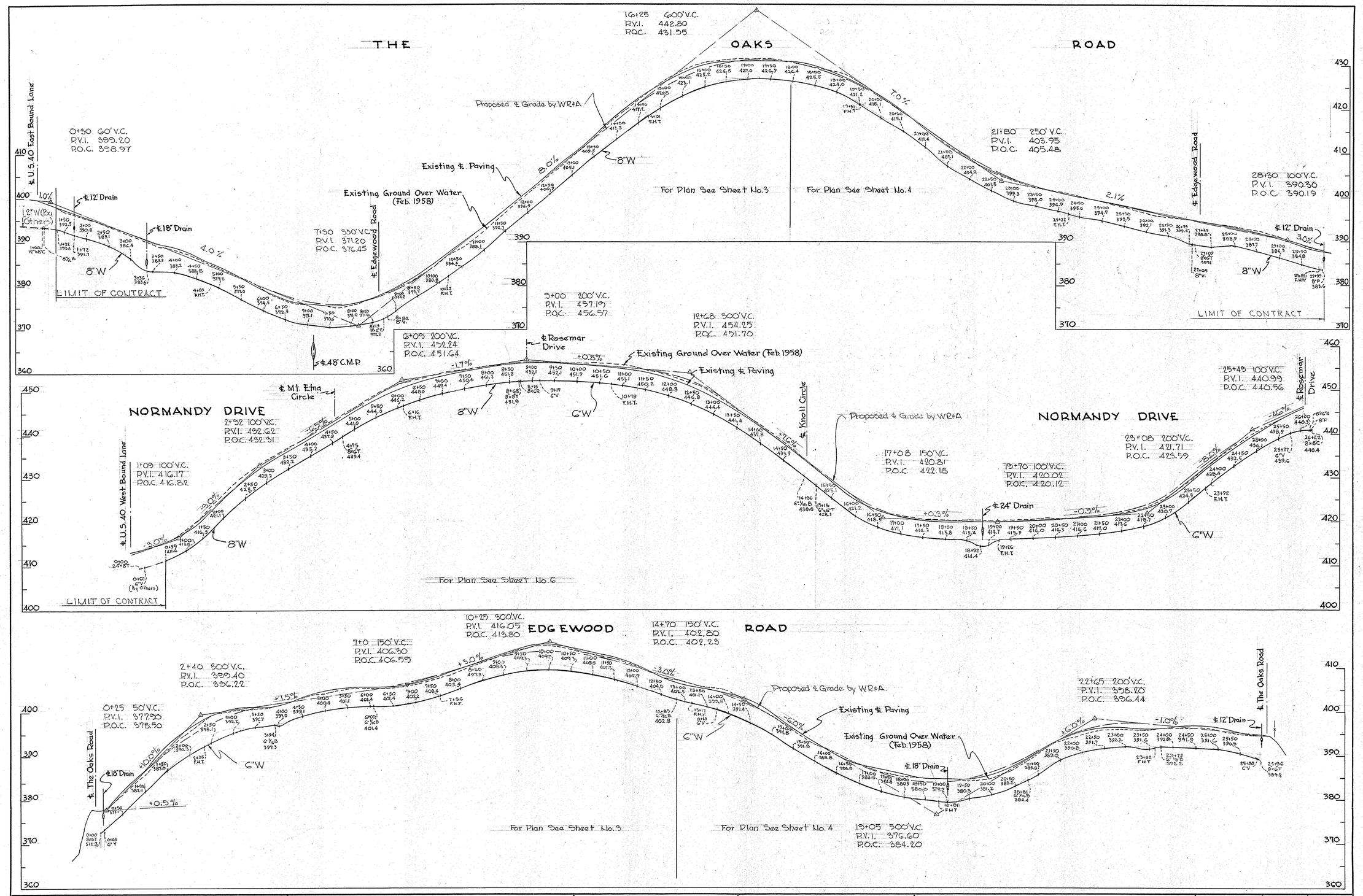
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION July 30, 1958 (DATE) — Carl W. Mayer (CHAIRMAN)	CONTRACT NO. 9W	PROFILES OF WATER MAIN EXTENSIONS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 12 OF 16	SCALE H-1"=100' V-1"=10'

AS BUILT

W.O. 4649

K. ELLIOTT CO. #70132 11-56 100

WS 9W/12

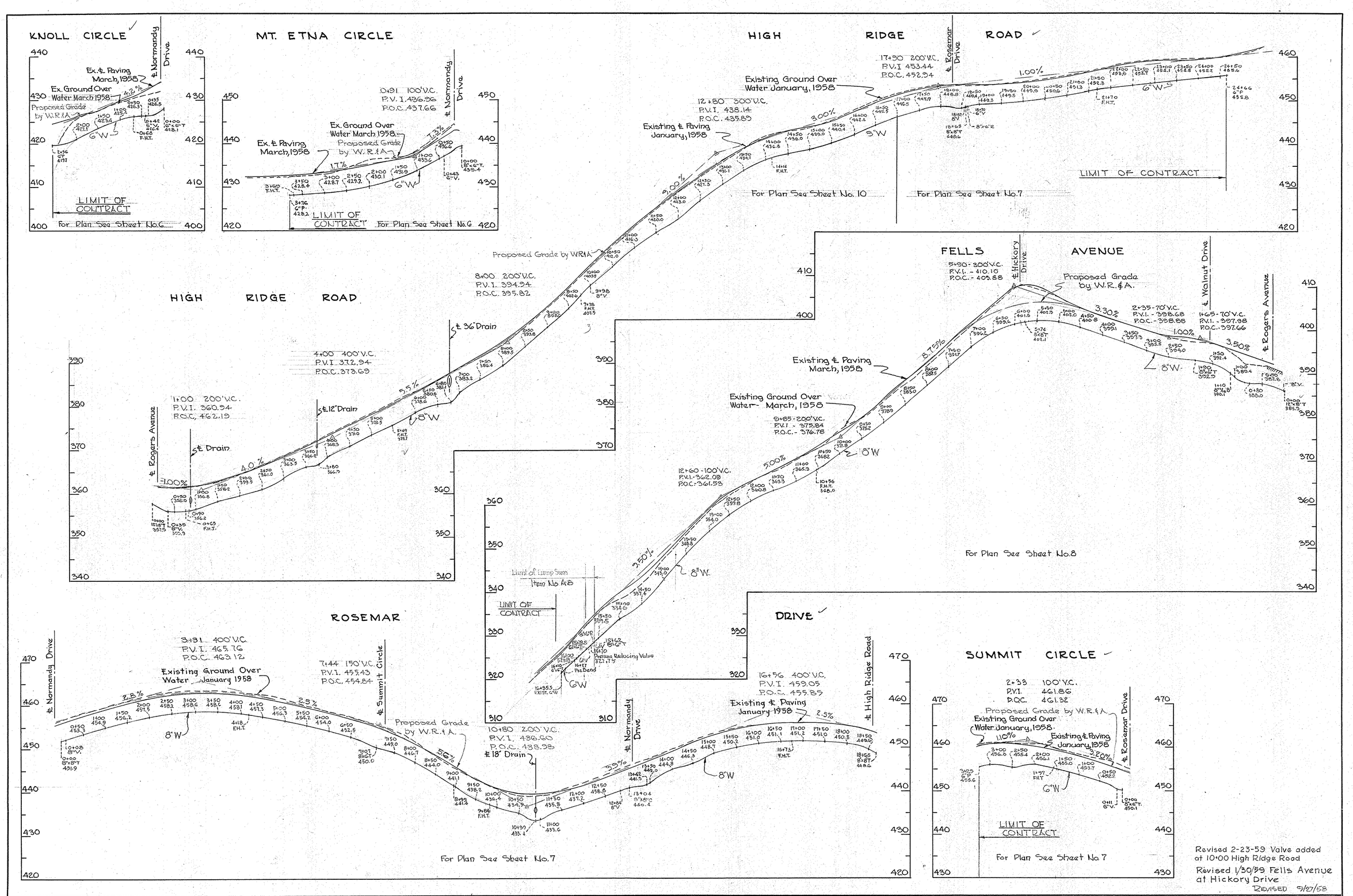


WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION July 30, 1958 DATE — Carl W. Moeller CHAIRMAN	CONTRACT NO. 9W	PROFILES OF WATER MAIN EXTENSIONS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 13 OF 16	SCALE H-1"=100' V-1"=10'

AS BUILT

W.O. 4649

WS 9W/13



Revised 2-23-59 Valve added at 10+00 High Ridge Road

Revised 1/30/59 Fells Avenue at Hickory Drive

REVISED 9/27/58

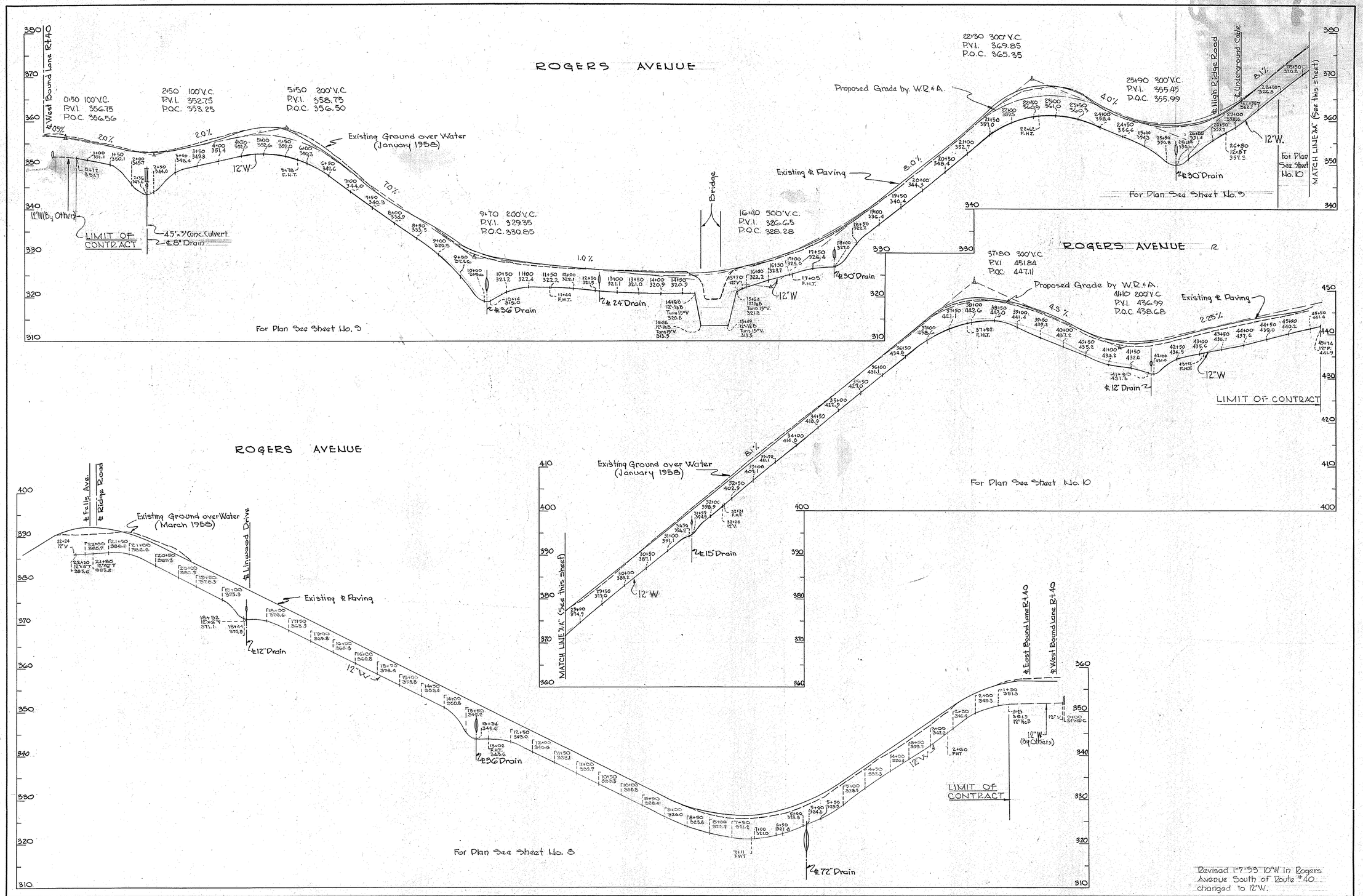
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION July 30, 1958 (DATE) — Carl W. Meyer (CHAIRMAN)	CONTRACT NO. 9W	PROFILES OF WATER MAIN EXTENSIONS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 14 OF 16	SCALE H-1"=100' V-1"=10'

W.O. 4649

AS BUILT

WS 9W/14

K. ELLIOTT CO. #70132 11-56 100



Revised 1-7-59 10" W. in Rogers Avenue South of Route #40 changed to 12" W.

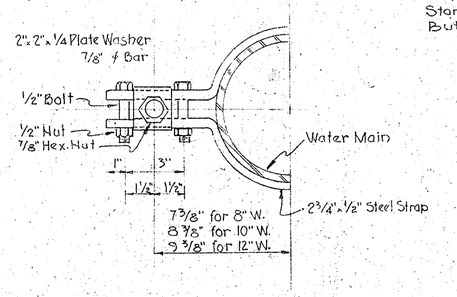
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION July 30, 1958 (DATE) — Carl W. Meyer (CHAIRMAN)	CONTRACT NO. 9W	PROFILES OF WATER MAIN EXTENSIONS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 15 OF 16	SCALE H-1"=100' V-1"=10'

AS BUILT

W.O. 4649

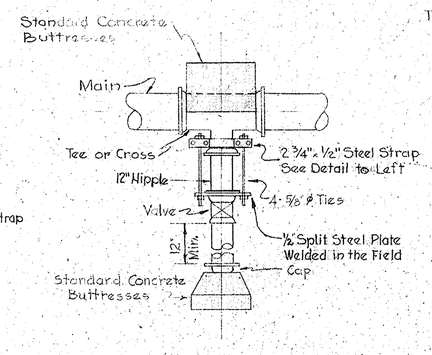
K. ELLIOTT CO. #70132 11-56 100

WS 9W/15



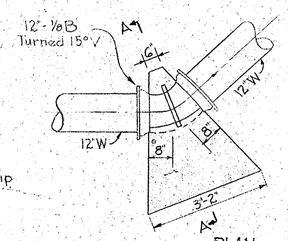
STRAPPING DETAIL

No Scale



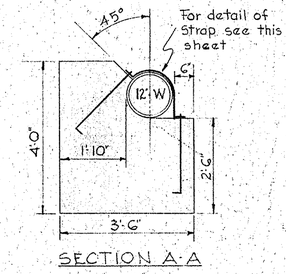
HARNESS DETAIL

No Scale



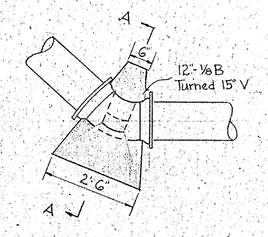
PLAN

UPPER VERTICAL



SECTION A-A

Note:
Paint all exposed steel with 2 coats Valdura asphalt paint or approved equal.
Carry all bearing surfaces to firm ground.
Concrete to be Class "B".



PLAN

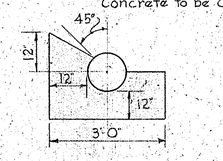
LOWER VERTICAL

BLOCKING DETAILS

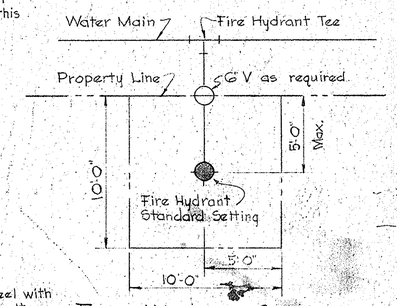
(AT ROGERS AVENUE BRIDGE)

Scale: 1/2"=1'-0"

CONTRACT 9W

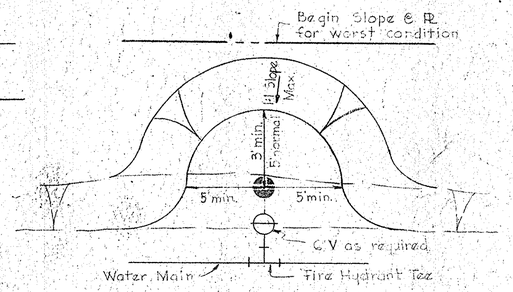


SECTION A-A



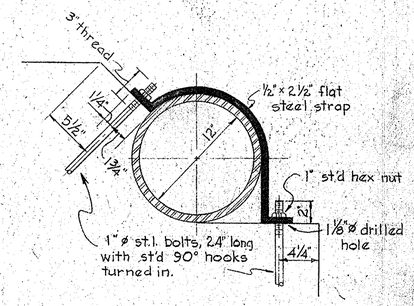
FIRE HYDRANT SETTING IN PRIVATE PROPERTY

No Scale



GRADING DETAIL FOR FIRE HYDRANTS

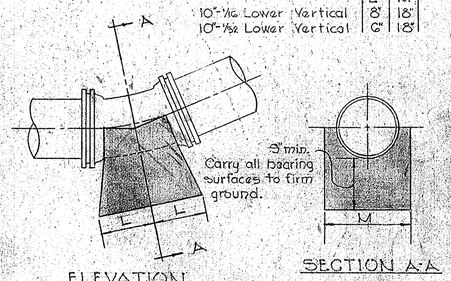
No Scale



STRAPPING DETAIL

Scale: 1 1/2"=1'-0"

	L	M
10"-1/16 Lower Vertical	8"	18"
10"-1/8 Lower Vertical	6"	18"



ELEVATION

SECTION A-A

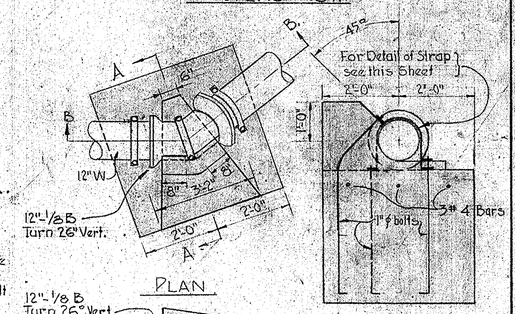
10" LOWER VERTICAL BENDS

BLOCKING DETAILS

(ALONG FREDERICK ROAD)

NO SCALE

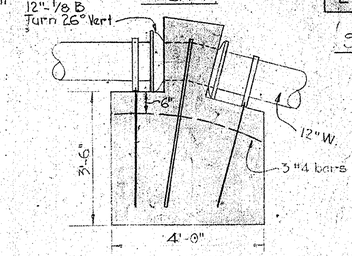
CONTRACT 10W



PLAN

SECTION A-A

Note:
Blocking for 12" Lower Vertical Bends @ Sta 105+00 and 152+00 along Frederick Road to be same as blocking for lower vertical bends at Rogers Avenue bridge. See detail on this sheet.
Paint all exposed steel with 2 coats Valdura asphalt paint or approved equal.
Carry all bearing surfaces to firm ground.
Concrete to be Class "B"



SECTION B-B

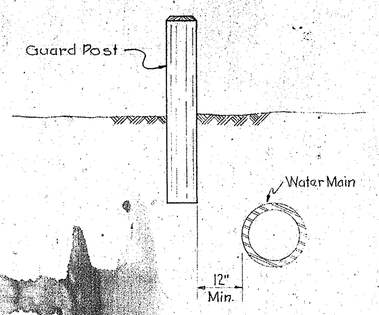
UPPER VERTICAL

BLOCKING DETAILS

(STA 105+00 ON FREDERICK ROAD)

Scale: 1/2"=1'

CONTRACT 11-W



DETAIL OF REPLACED GUARD RAIL

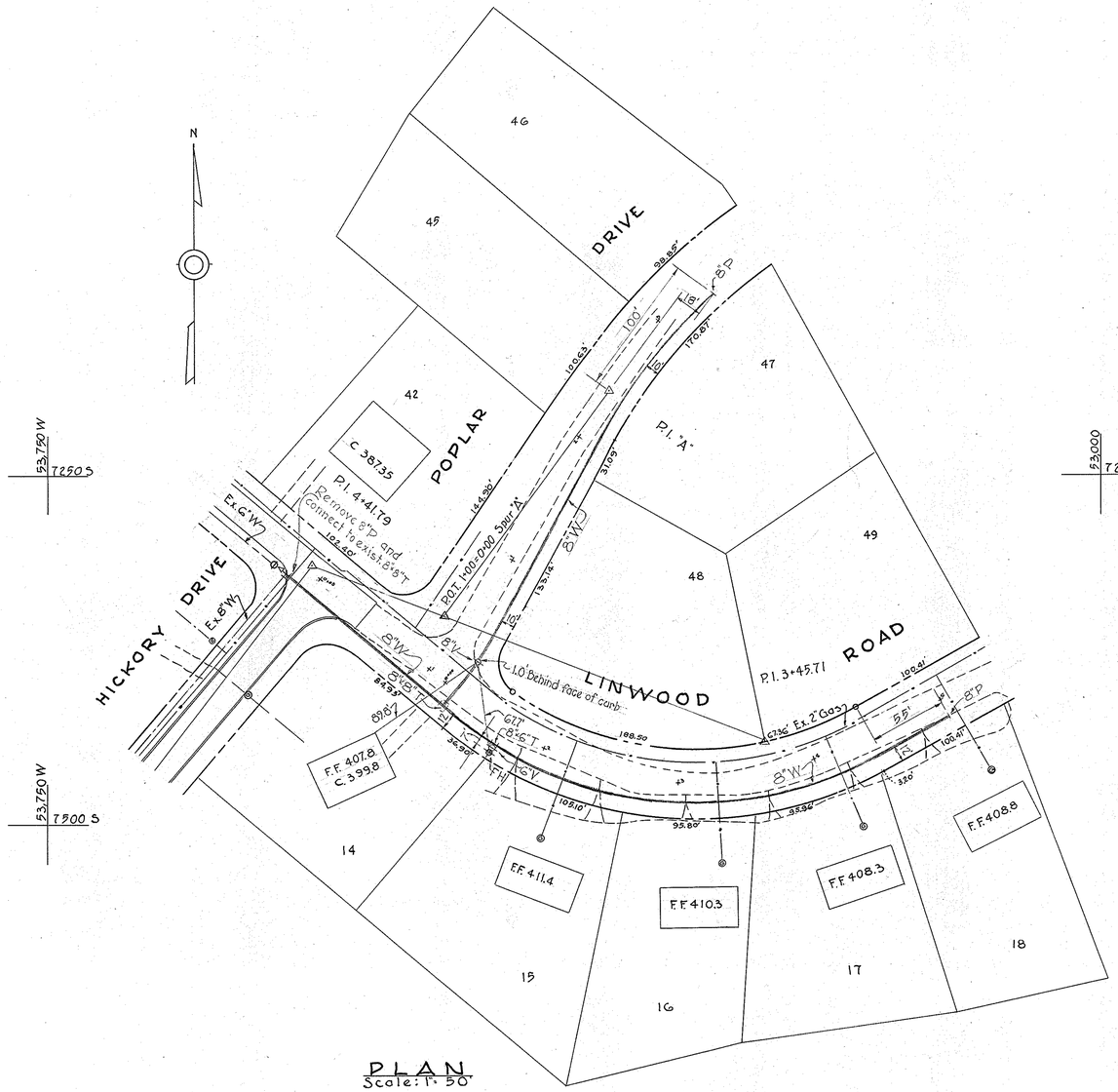
NO SCALE

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION July 30, 1958 DATE — CHAIRMAN	CONTRACT NO. 9W	DETAILS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 16 OF 16	SCALE AS SHOWN

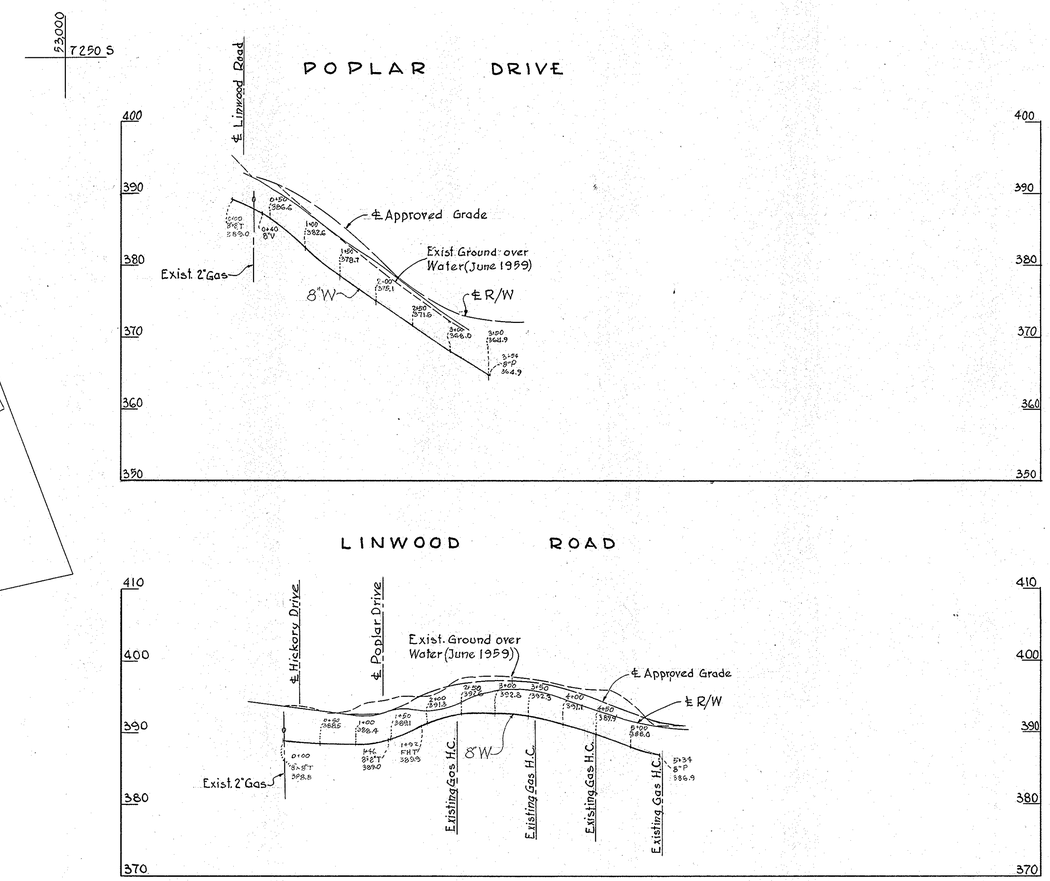
W.O.4649.

K. ELLIOTT CO. #20132 11-58 100

WS 9W/16



PLAN
Scale: 1" = 50'



PROFILES
Scale: Hor. 1" = 50'
Vert. 1" = 5'

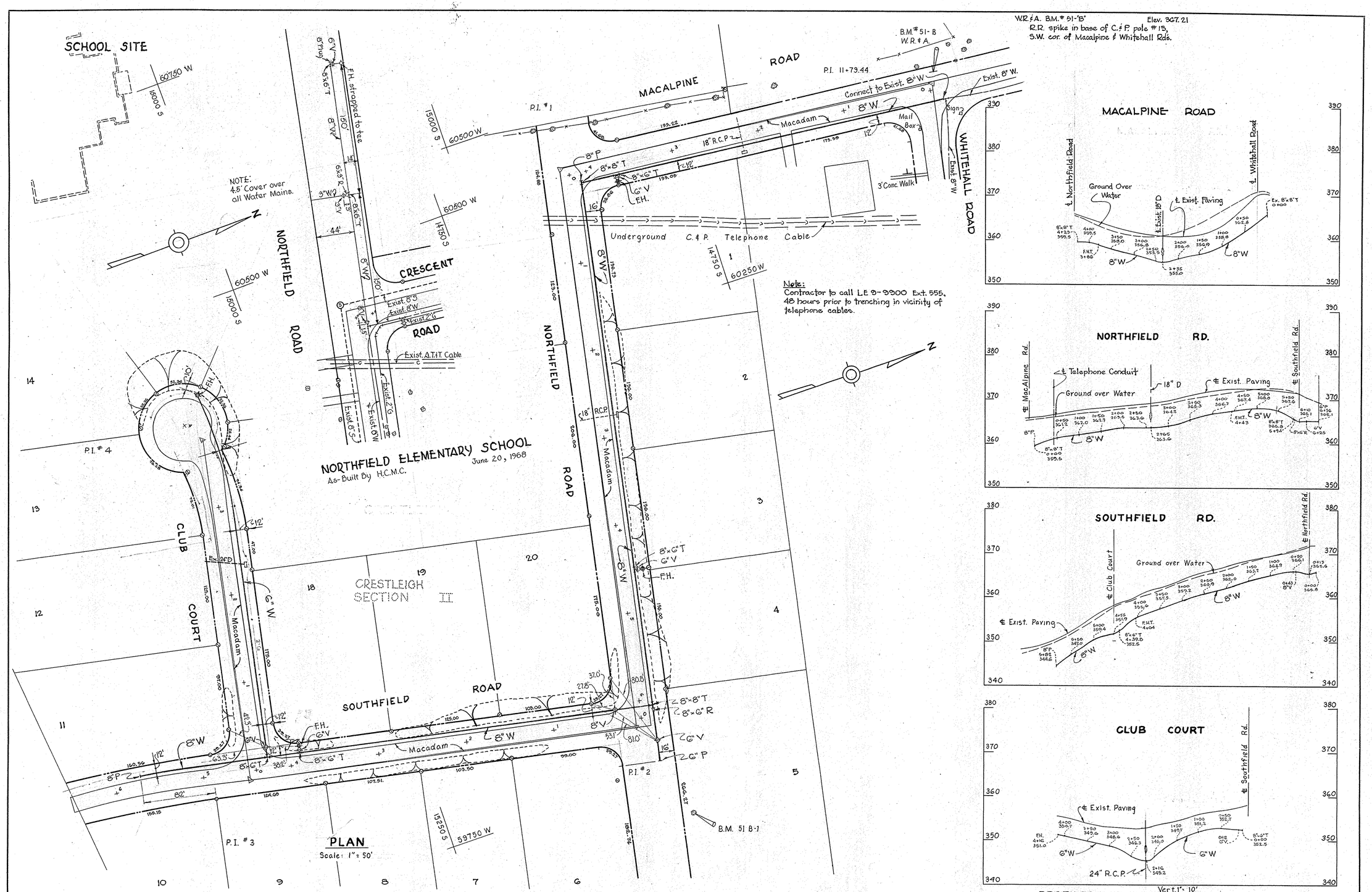
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION July 2, 1959 (DATE) — Carl W. Meyer (CHAIRMAN)	CONTRACT NO. 9 W	PLAN & PROFILES WATER MAIN EXTENSIONS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 16A OF 16	SCALE AS SHOWN 8, SW, 3G

WO 4649 FB 2357

F.B. # 2357 AS BUILT

WS 9W/16A

ELLIOTT CO., PGH., PA. REORDER A-31628



WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION August 17, 1959 DATE — Carl W. Mayer CHAIRMAN	CONTRACT NO. 9-W	PLAN & PROFILE OF WATER MAIN EXTENSIONS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 16-B OF 16	SCALE AS SHOWN	15 SW 40 & 41 / 16 SW 40 & 41

4649-2

AS BUILT FEB. # 2357

ELLIOTT CO., PGH., PA. REORDER A-21039

WS 9W/16-B