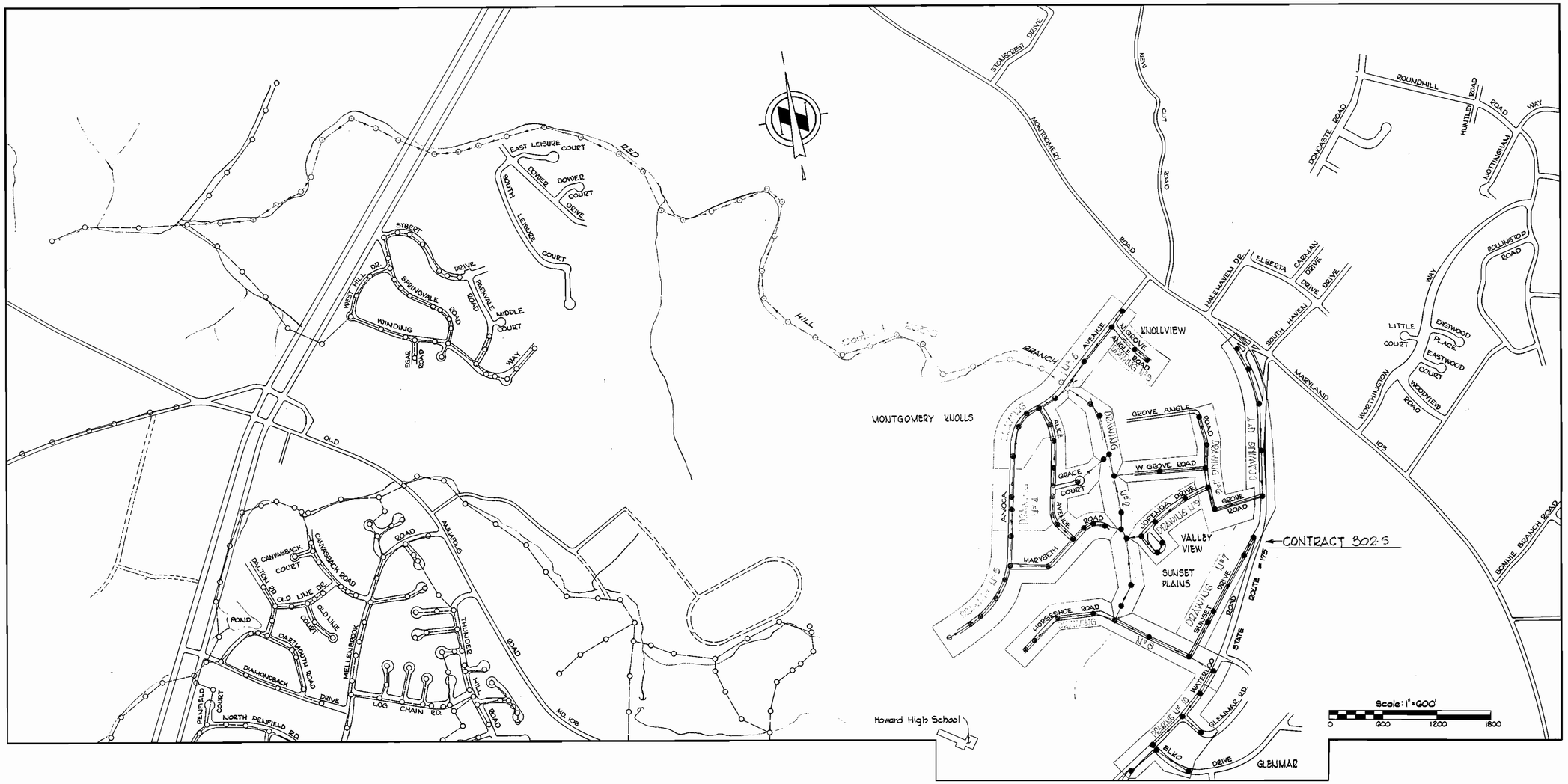


CONTRACT 302-S

SEWER MAIN EXTENSIONS
HOWARD COUNTY, MARYLAND
DEPARTMENT OF PUBLIC WORKS

QUANTITIES	
ITEM	QUANITY
8"S	20,170 LF
10"S	1,930 LF

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

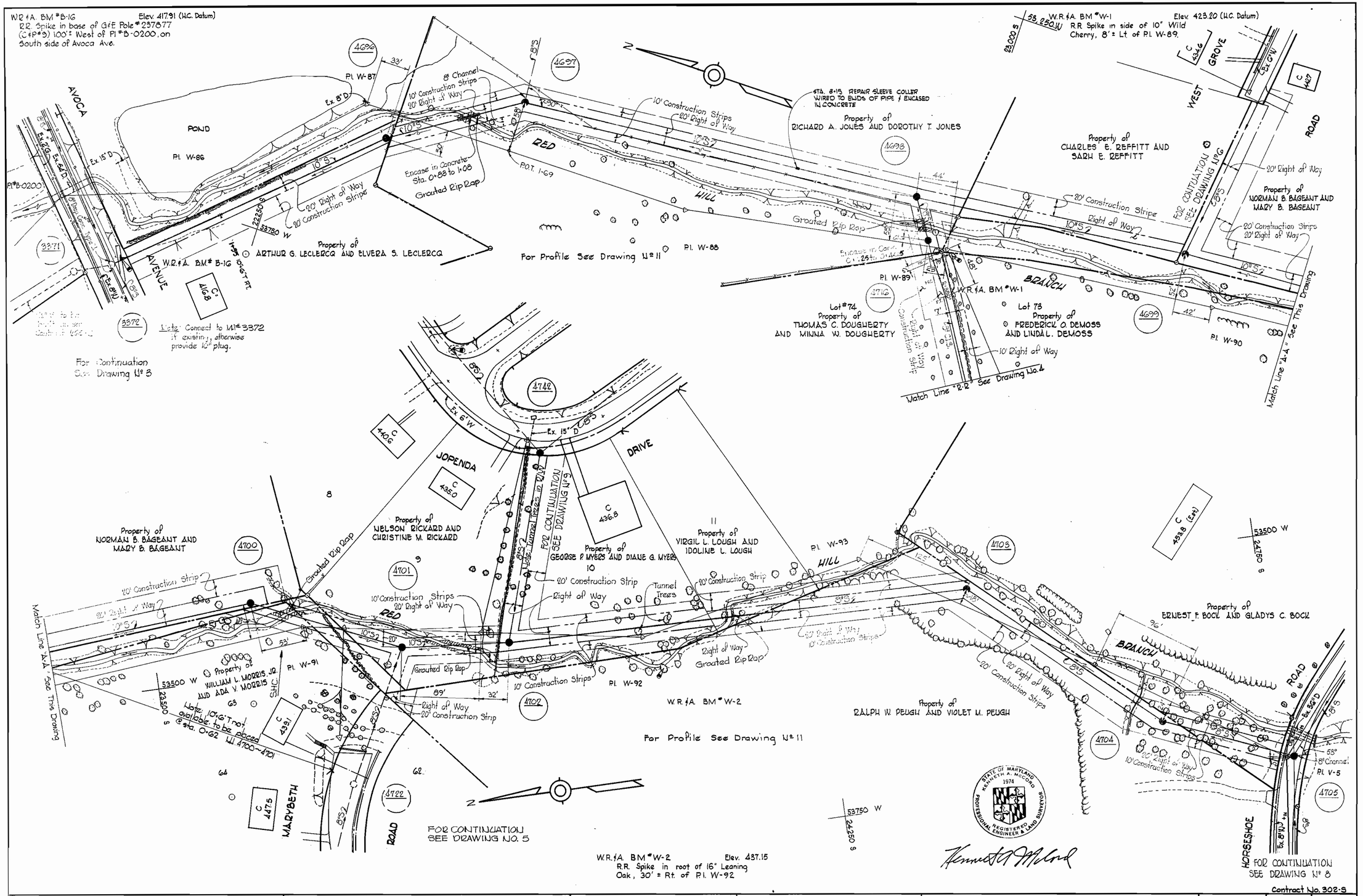
Stakeout 4764
Diary #1 4775
Diary #2 4880
Diary #3 4933

Contract No. 302-S

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION 5-6-70 DATE — CHIEF ENGINEER	CONTRACT NO. 302-S	LOCATION MAP	ELECTION DISTRICT ELLICOTT CITY No. 2	DRAWING NO. 1 OF 16	SCALE AS SHOWN

W. O. G185-2

W15 302-S/1



Contract No. 302-S

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION 5-6-70 DATE — CHIEF ENGINEER	CONTRACT NO. 302-S	PLAN OF SEWER MAINS	ELECTION DISTRICT ELLICOTT CITY No. 2	DRAWING NO. 2 OF 16	SCALE 1" = 50'	23 SW 36 / 24 SW 36 / 25 SW 36

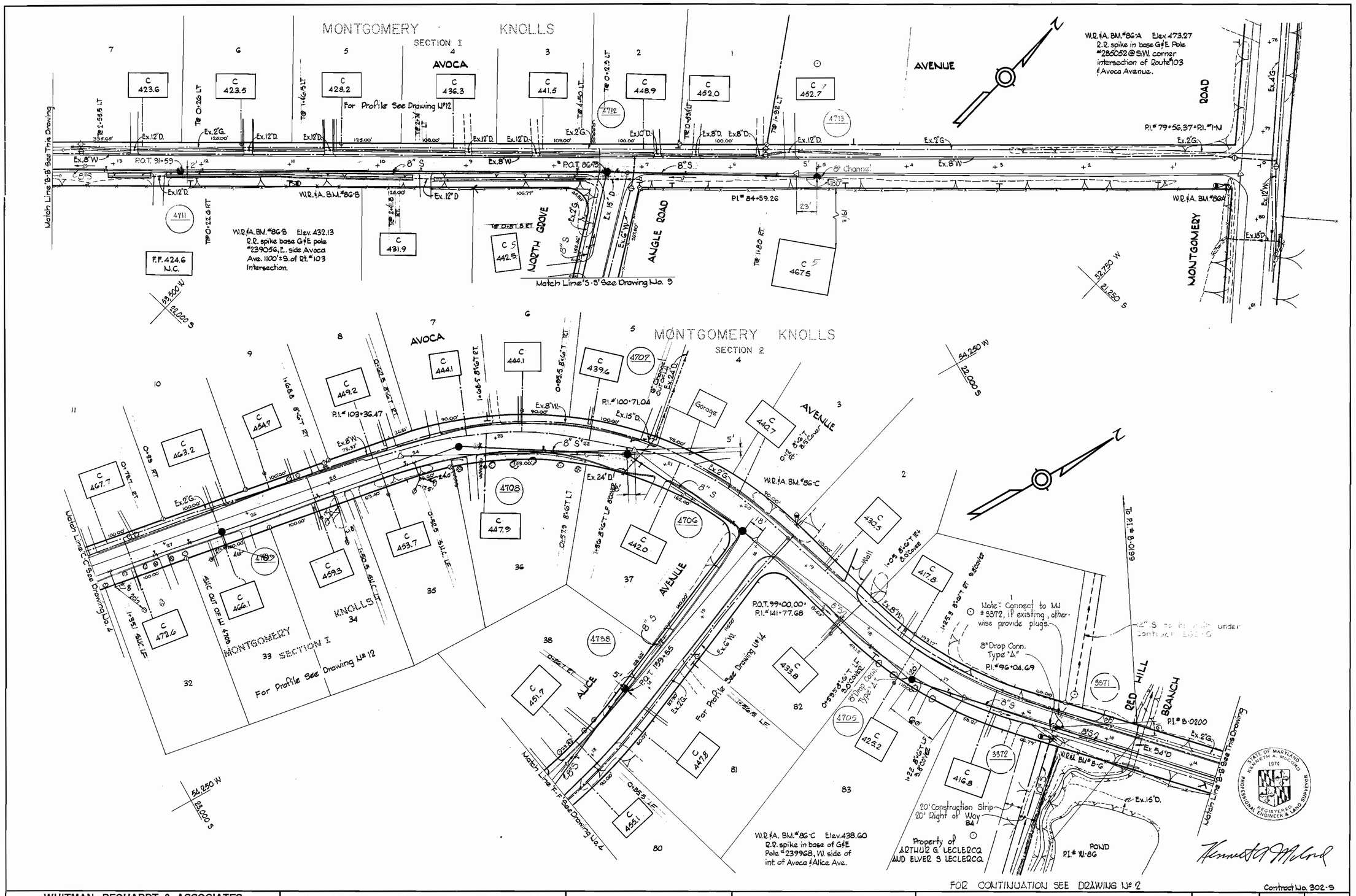
W. O. G185-2

FB# 4329

Oct 7 1971

WS 302-S/2

B. K. ELLIOTT CO., PGH., PA. REORDER A-14829



FOR CONTINUATION SEE DRAWING No 2

Contract No. 302-S

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION 5-6-70 (DATE) — W. O. Gilbert (CHIEF ENGINEER)	CONTRACT NO. 302-S	PLAN OF SEWER MAINS	ELECTION DISTRICT ELLICOTT CITY No. 2	DRAWING NO. 3 OF 16	SCALE 1"=50'

W. O. G185-2

F.B.# 8011, 8008, 8204

Oct 7, 1971

WS 302-S/3

B. K. ELLIOTT CO., PGH., PA. REORDER A-14029

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 (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. All sewer 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 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 Grouted Rip Rap to be included in the unit price bid for furnishing and laying of sewer mains.
9. Manholes shown with 12" and 16" walls are for brick manholes only.
10. Clear all utilities by a minimum of 6", clear all poles by 2'-0" minimum or tunnel as required.
11. The Contractor shall provide a joint in all sewer mains within 2'-0" of exterior manhole walls.
12. All horizontal and vertical controls are in Howard County datum.
13. All 8" Cast Iron sewer pipe shall be Class 22, or 8" Ductile Iron Pipe Class 2.
14. House shown with symbol (C.N.S) indicate that the cellar cannot be served.

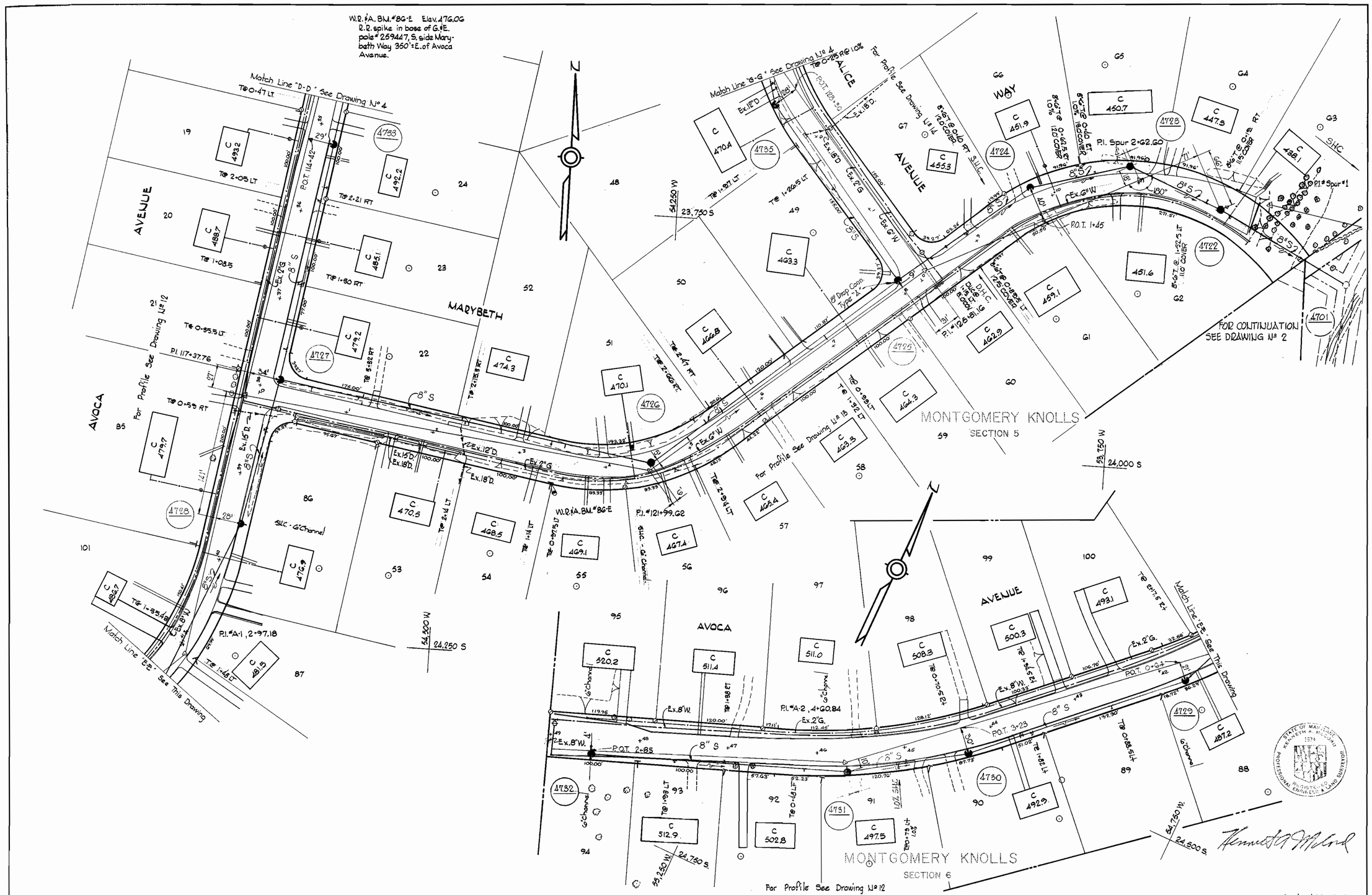
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION 5-6-70 (DATE) — W O Falbert (CHIEF ENGINEER)	CONTRACT NO. 302-S	PLAN OF SEWER MAINS	ELECTION DISTRICT ELLICOTT CITY No. 2	DRAWING NO. 4 OF 16	SCALE 1" = 50'

Contract No. 302-S

W. O. G185-2

Oct 7, 1971 F.B.# 2188, 2204, 4929

WS 302-S/4



WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION 5-6-70 (DATE) — W O Fulbert (CHIEF ENGINEER)	CONTRACT NO. 302-S	PLAN OF SEWER MAINS	ELECTION DISTRICT ELLICOTT CITY No. 2	DRAWING NO. 5 OF 16	SCALE 1" = 50'

Contract No. 302-S

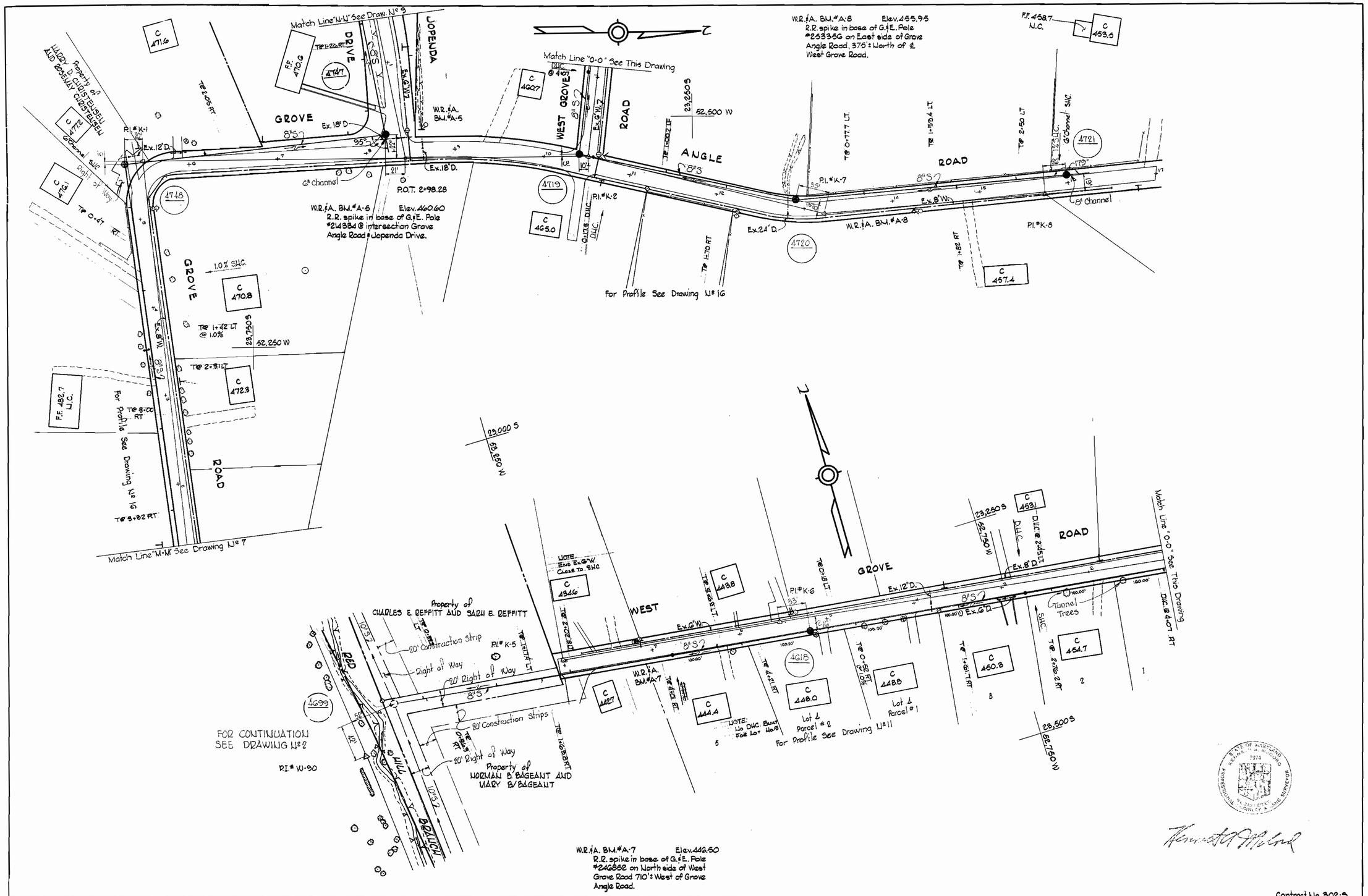
W. O. G185-2

F.B.# 2204, 3011, 3008, 3026

Oct 7, 1971

WS 302-S/5

B. K. ELLIOTT CO., PGH., PA. REORDER A-14829



WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION 5-6-70 DATE W O Filbert CHIEF ENGINEER	CONTRACT NO. 302-S	PLAN OF SEWER MAINS	ELECTION DISTRICT ELLICOTT CITY No. 2	DRAWING NO. 6 OF 16	SCALE 1"=50'	24 SW 36 24 SW 35

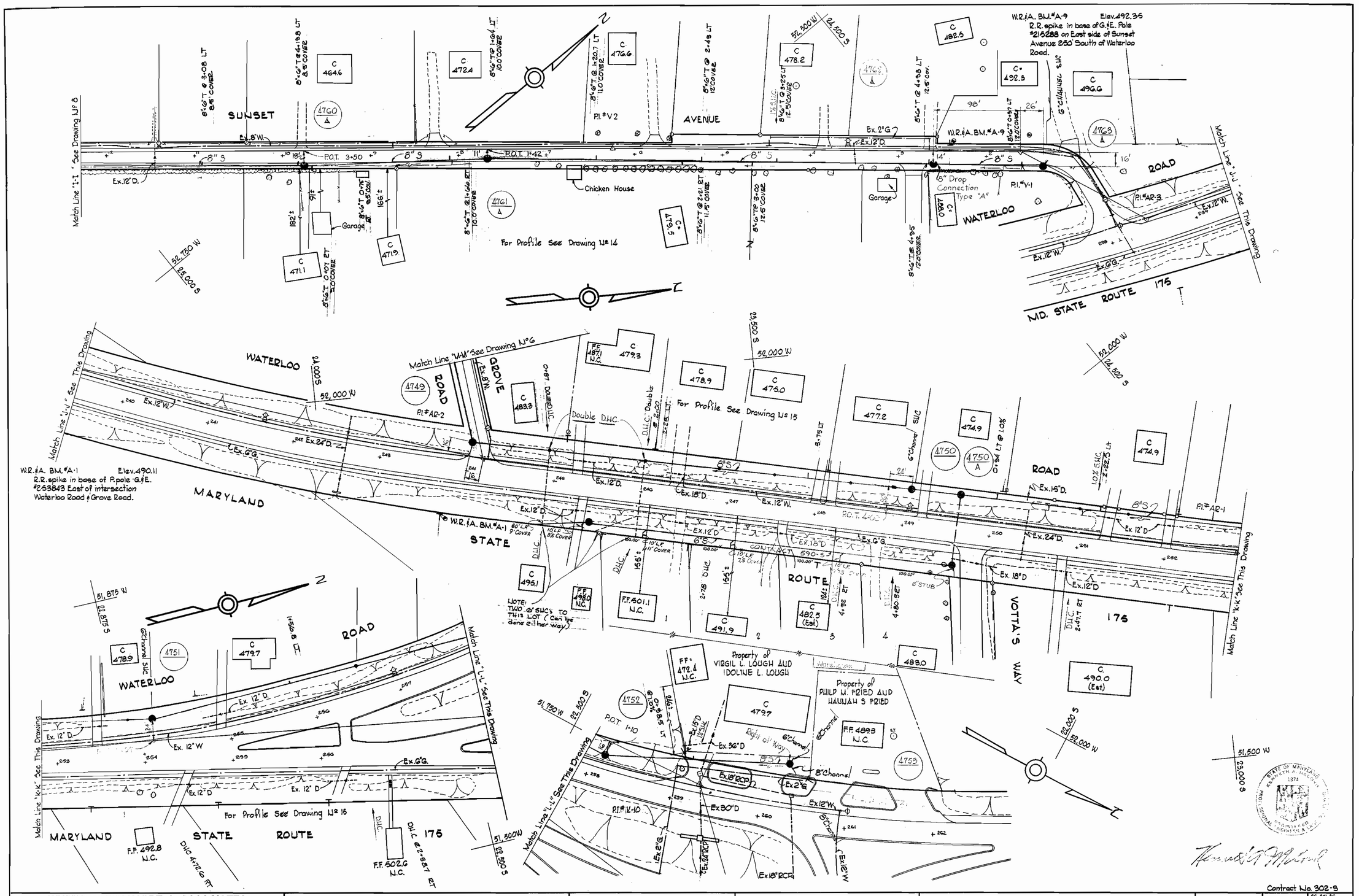
Contract No. 302-S

W. O. 6185-2

AS BUILT F.B.# 3008, 3026, 4329

WS 302-S/6

B. K. ELLIOTT CO., PGH., PA. REORDER A-14029



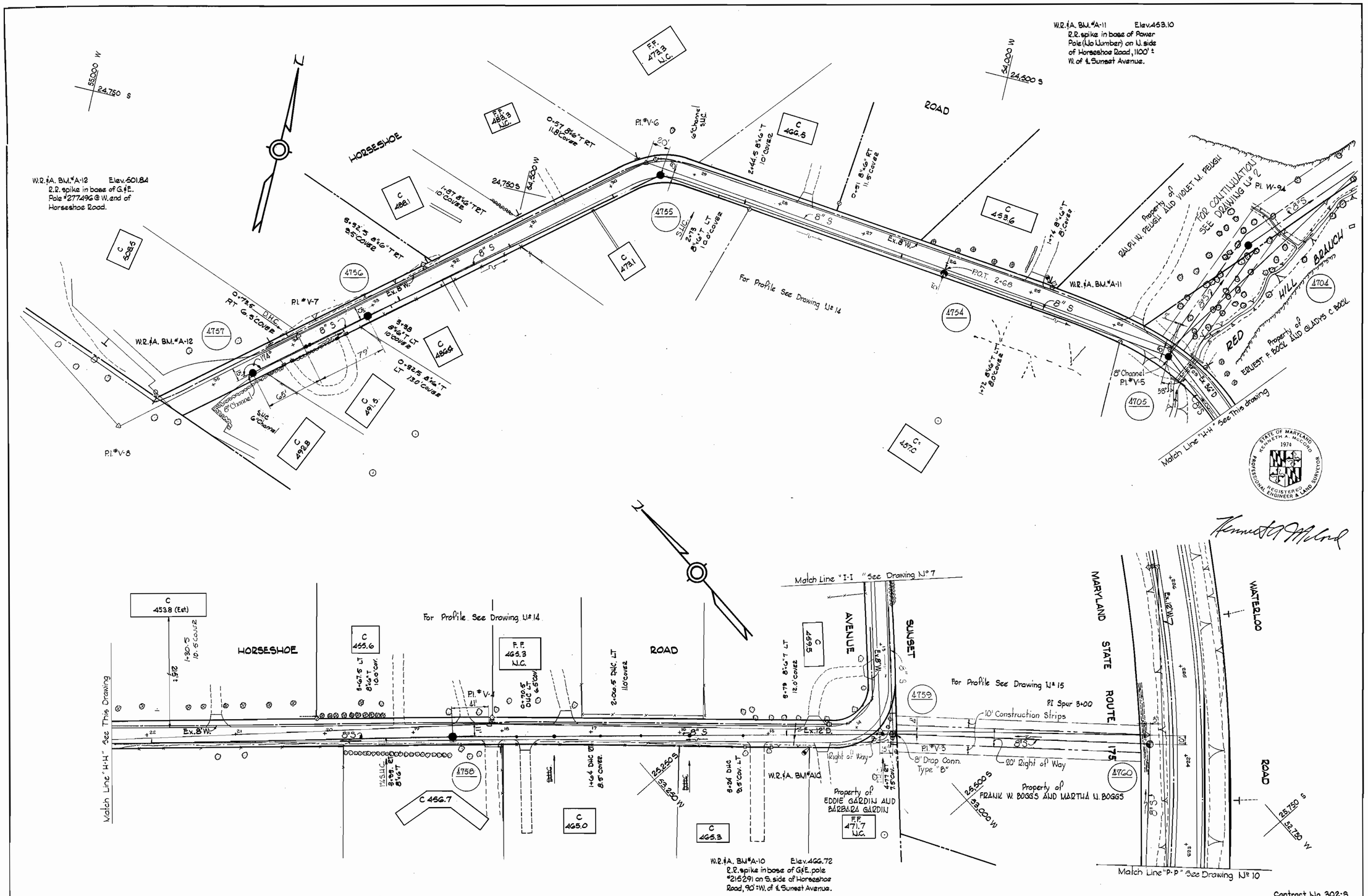
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION 5-6-70 DATE W O Filbert CHIEF ENGINEER	CONTRACT NO. 302-S	PLAN OF SEWER MAINS	ELECTION DISTRICT ELLICOTT CITY No. 2	DRAWING NO. 7 OF 16	SCALE 1"=50'

W. O. 6185-2

F.B.# 3026, 3035, 3017

WS 302-S/4

B. K. ELLIOTT CO., PGH., PA. REORDER A-14829



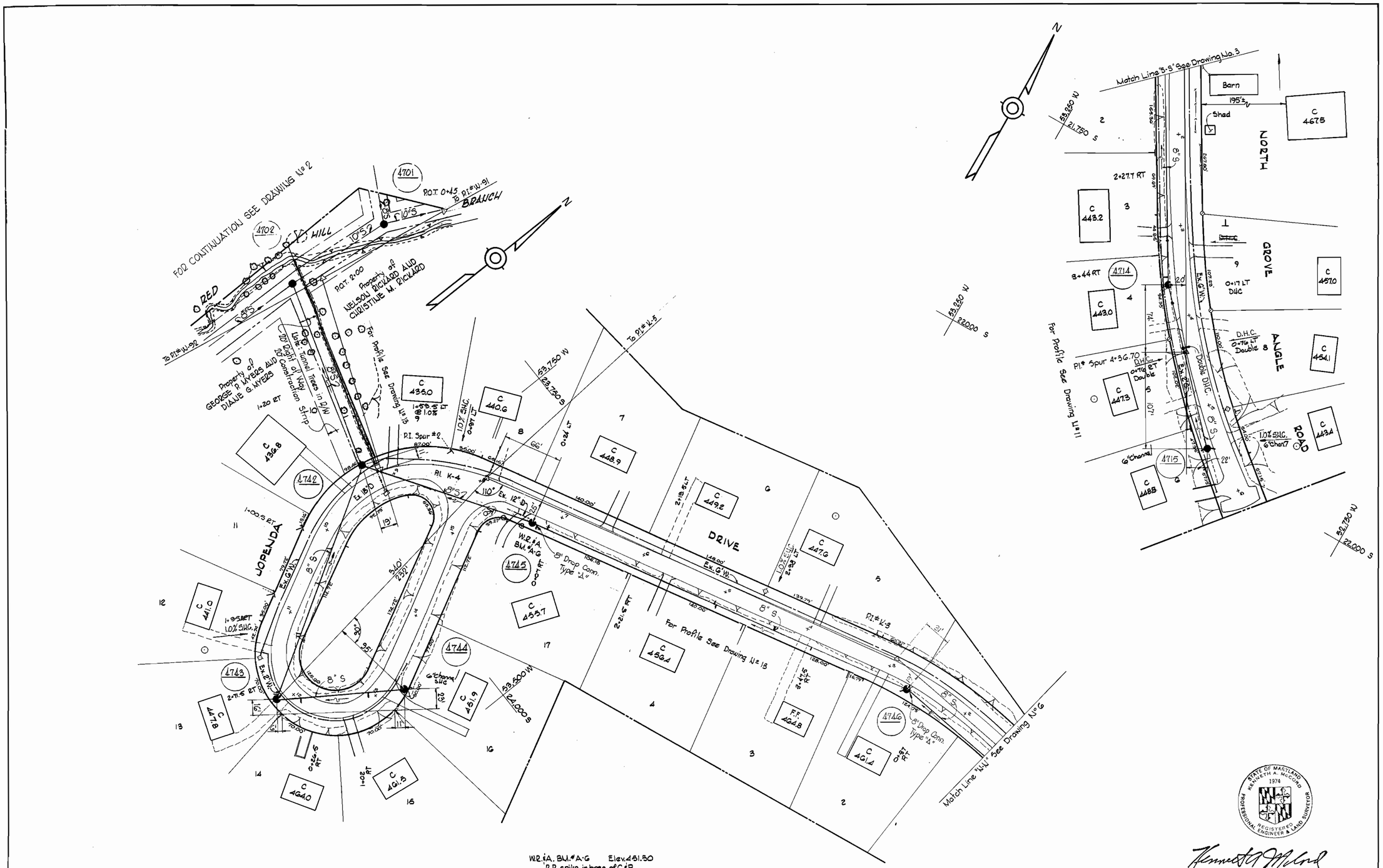
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION 5-6-70 (DATE) — W O Fullert (CHIEF ENGINEER)	CONTRACT NO. 302-S	PLAN OF SEWER MAINS	ELECTION DISTRICT ELLICOTT CITY No. 2	DRAWING NO. 8 OF 16	SCALE 1" = 50'	Contract No. 302-S 26 SW 5G 26 SW 3G 25 SW 3T 26 SW 3T

W. O. G185-2

F.B.# 3035, 3017, 3034, 3026

WS 302-S/8

B. K. ELLIOTT CO., PGH., PA. REORDER A-74829



W.R.&A. BM.#A-G Elev. 481.50
R.R. spike in base of C.&P. pole #5 @ Southwest Corner Intersection of Jopenda Drive & Jopenda Drive.

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION 5-6-70 DATE — W O Fulbert CHIEF ENGINEER	CONTRACT NO. 302-S	PLAN OF SEWER MAINS	ELECTION DISTRICT ELLICOTT CITY No. 2	DRAWING NO. 9 OF 16	SCALE 1" = 50'	Contract No. 302-S: 25 SW 36, 24 SW 36, 22 SW 36, 23 SW 36

W. O. G185-2

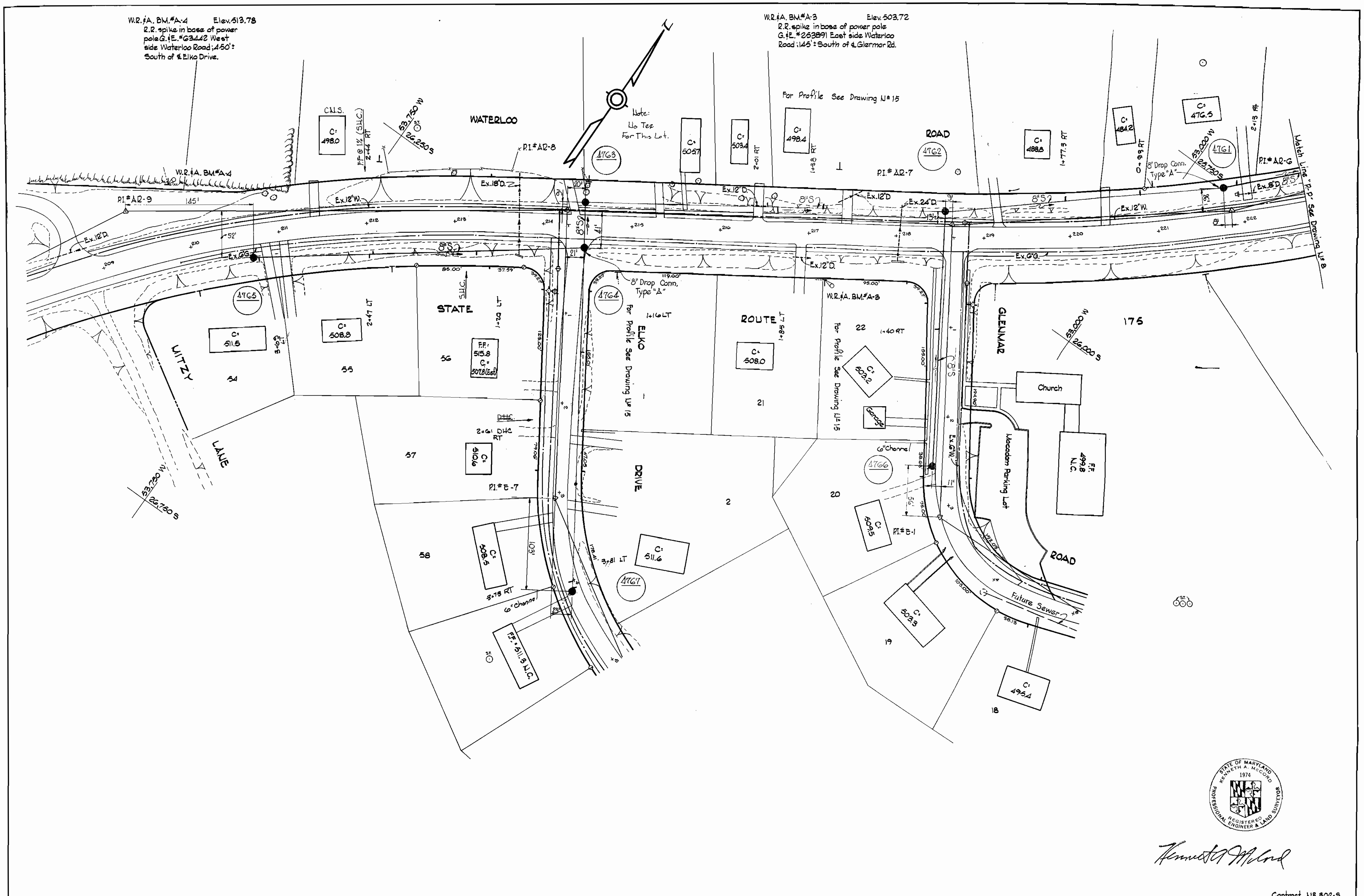
F.B.# 3084, 3008, 4329

Oct 7, 1971

B. K. ELLIOTT CO., PGH., PA. REORDER A-14829

WS 302-S/9

WS 302-S/10



Contract No 302-S

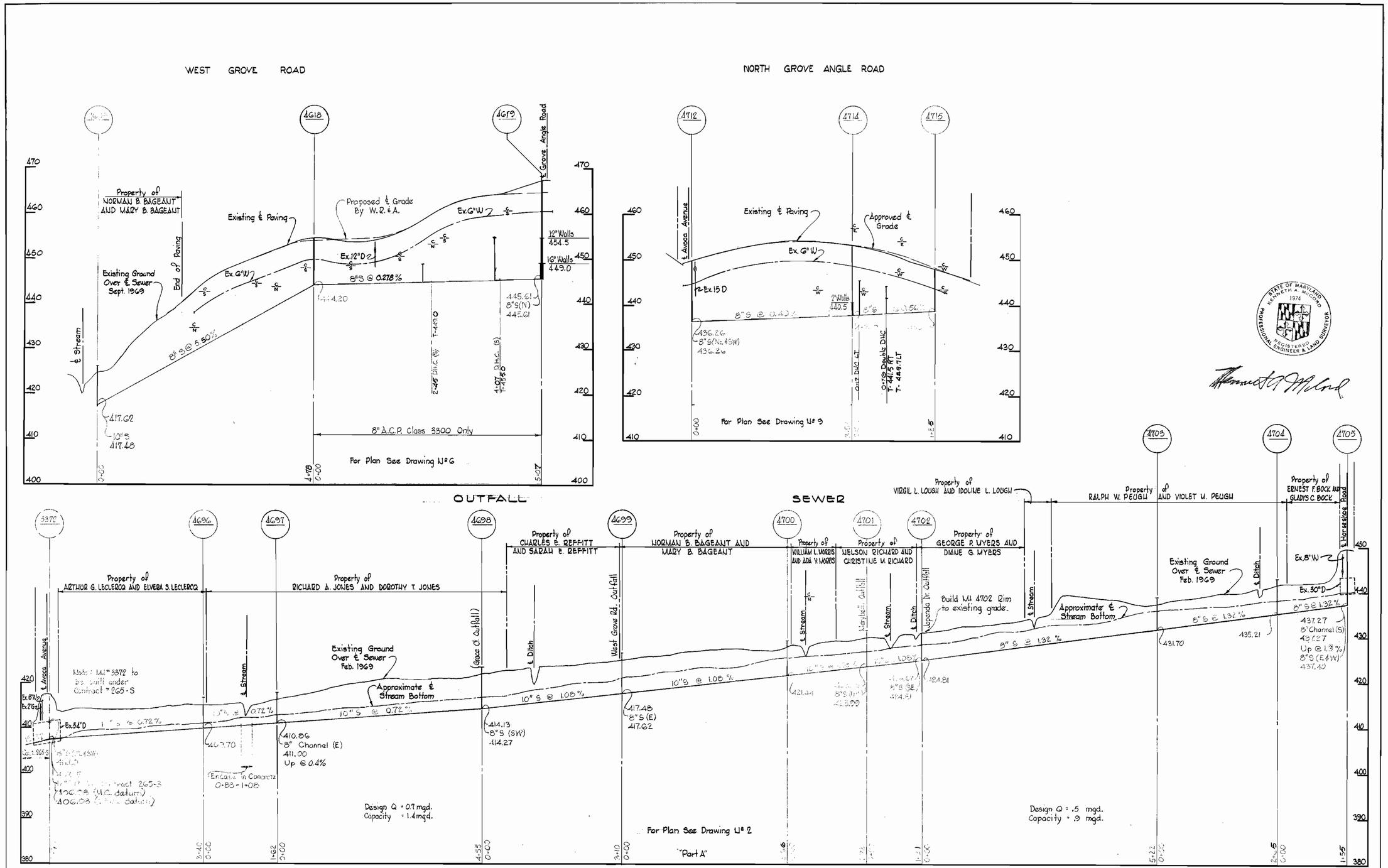
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION 5-6-70 (DATE) W O Talbert (CHIEF ENGINEER)	CONTRACT NO. 302-S	PLAN OF SEWER MAINS	ELECTION DISTRICT ELLICOTT CITY No. 2	DRAWING NO. 10 OF 16	SCALE	27 SW 36 / 26 SW 36

W. O. 6185-2

Oct 7 1971

F.B.# 3035, 3038, 3026

B. K. ELLIOTT CO., PGH., PA. REORDER A-14829



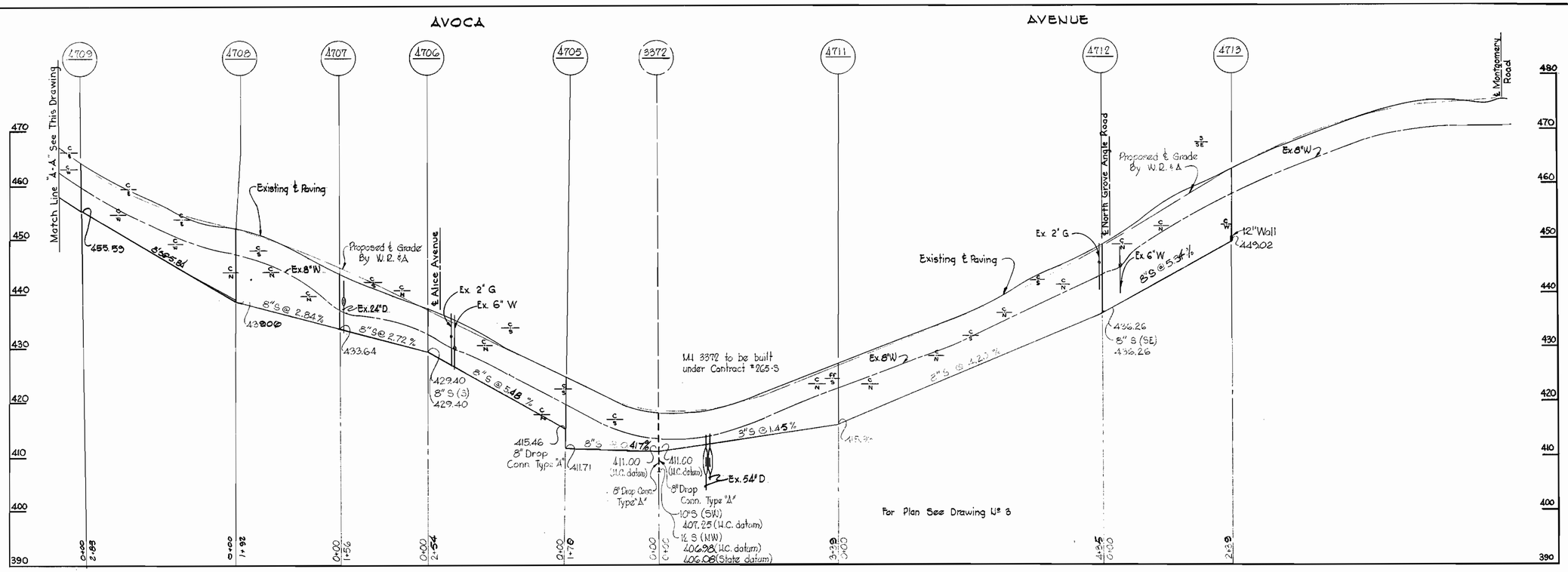
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION 12-6-70 (DATE) — CHIEF ENGINEER	CONTRACT NO. 302-S	PROFILES OF SEWER MAINS	ELECTION DISTRICT ELLICOTT CITY No. 2	DRAWING NO. 11 OF 16	SCALE H:1"=100' V:1"=10'

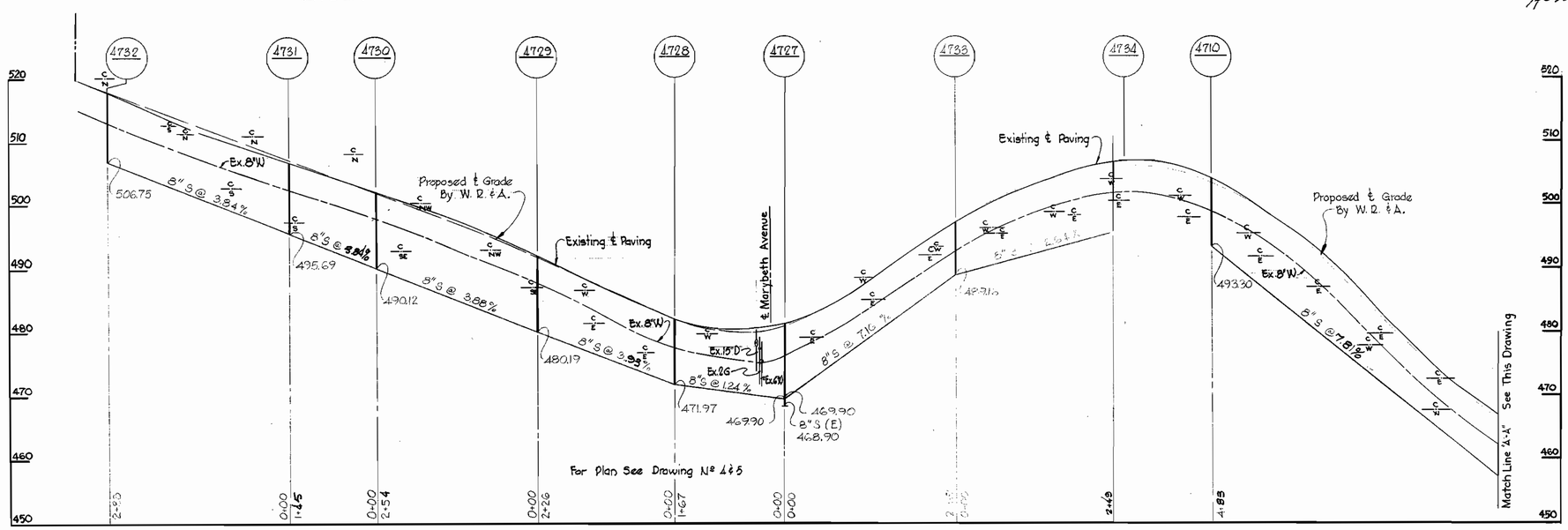
Contract No. 302-S

W. O. 6185-2

Oct. 7, 1971

WS 302-S/11





All sewer pipe - A.C.P. Class 2400

Contract No. 302-S

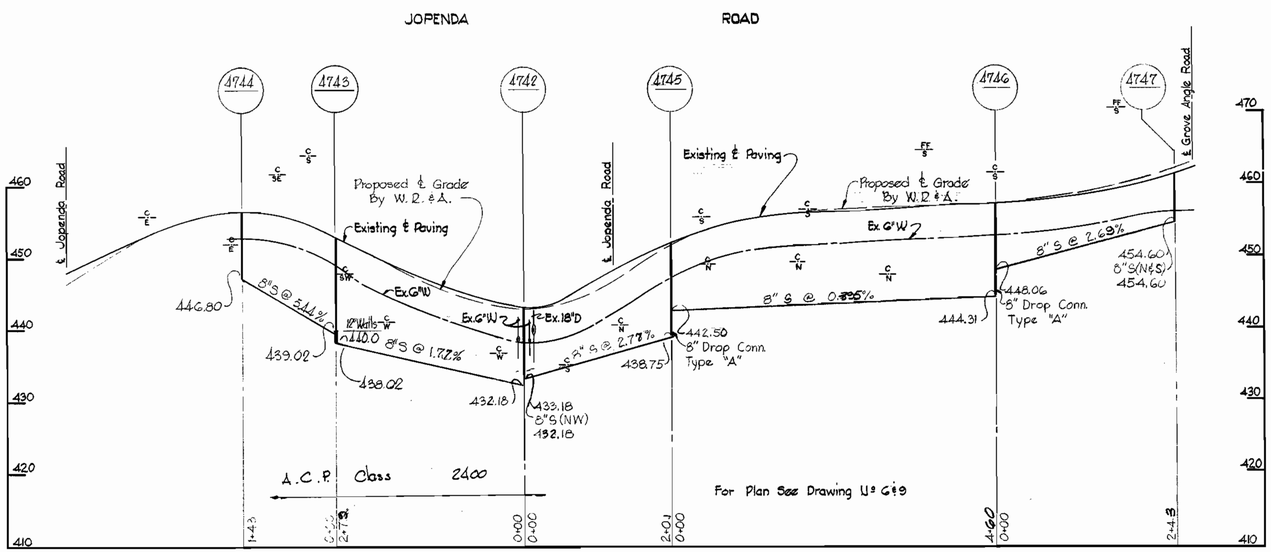
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION 5-6-70 DATE — CHIEF ENGINEER	CONTRACT NO. 302-S	PROFILES OF SEWER MAINS	ELECTION DISTRICT ELLICOTT CITY No. 2	DRAWING NO. 12 OF 16	SCALE H:1"=100' V:1"=10'

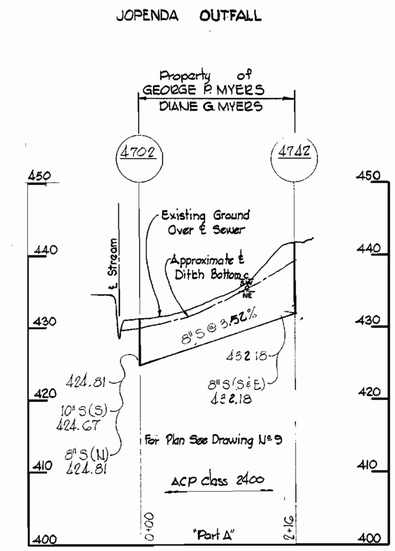
W. O. 6185-2

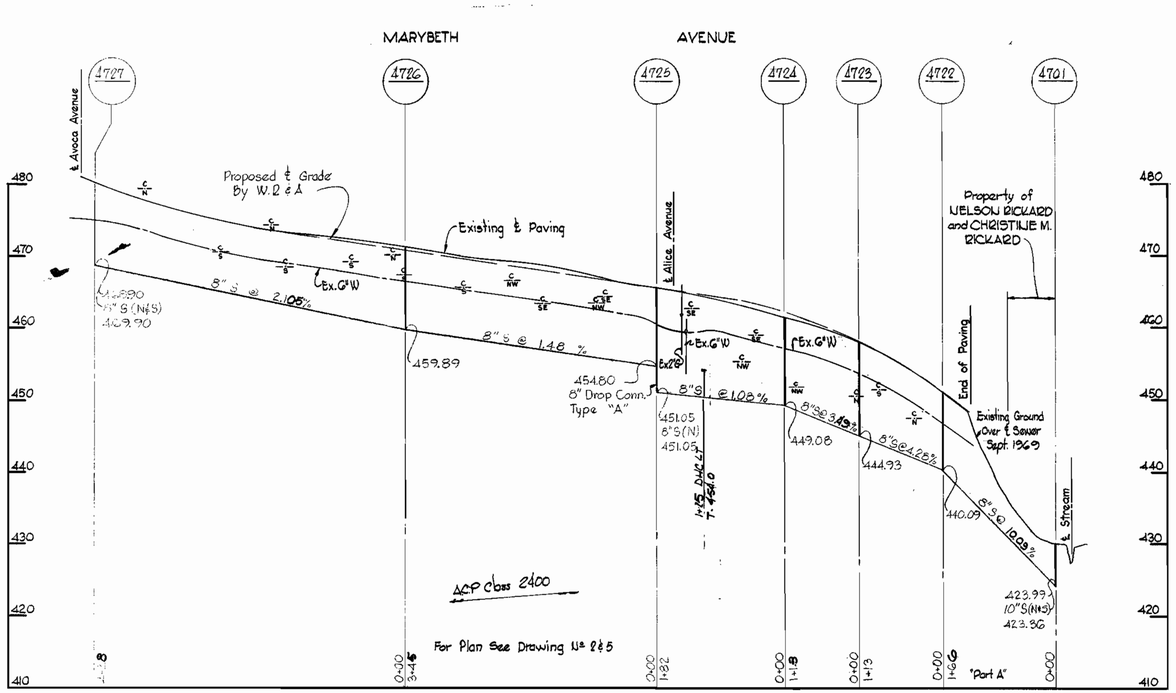
Oct 7, 1971

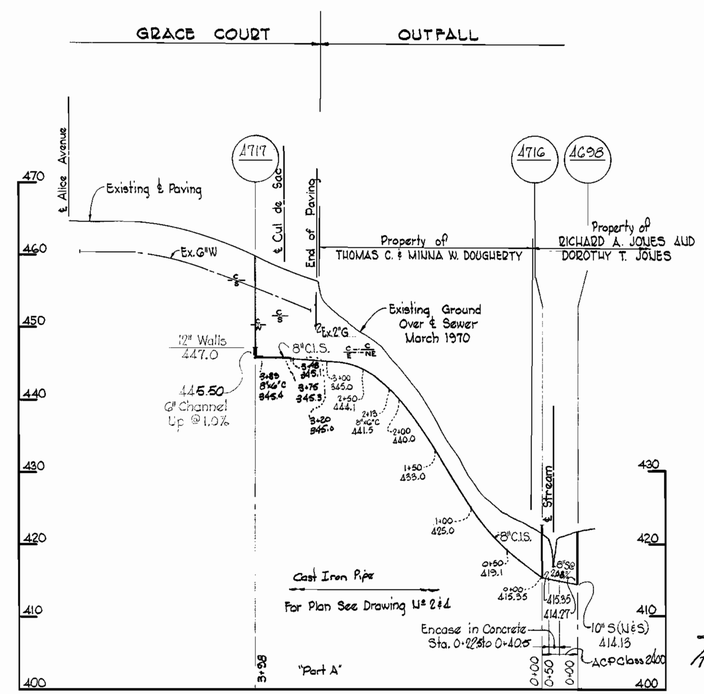
WS 302-S/12

B. K. ELLIOTT CO., PGH., PA. REORDER A-14029









Contract No. 302-S

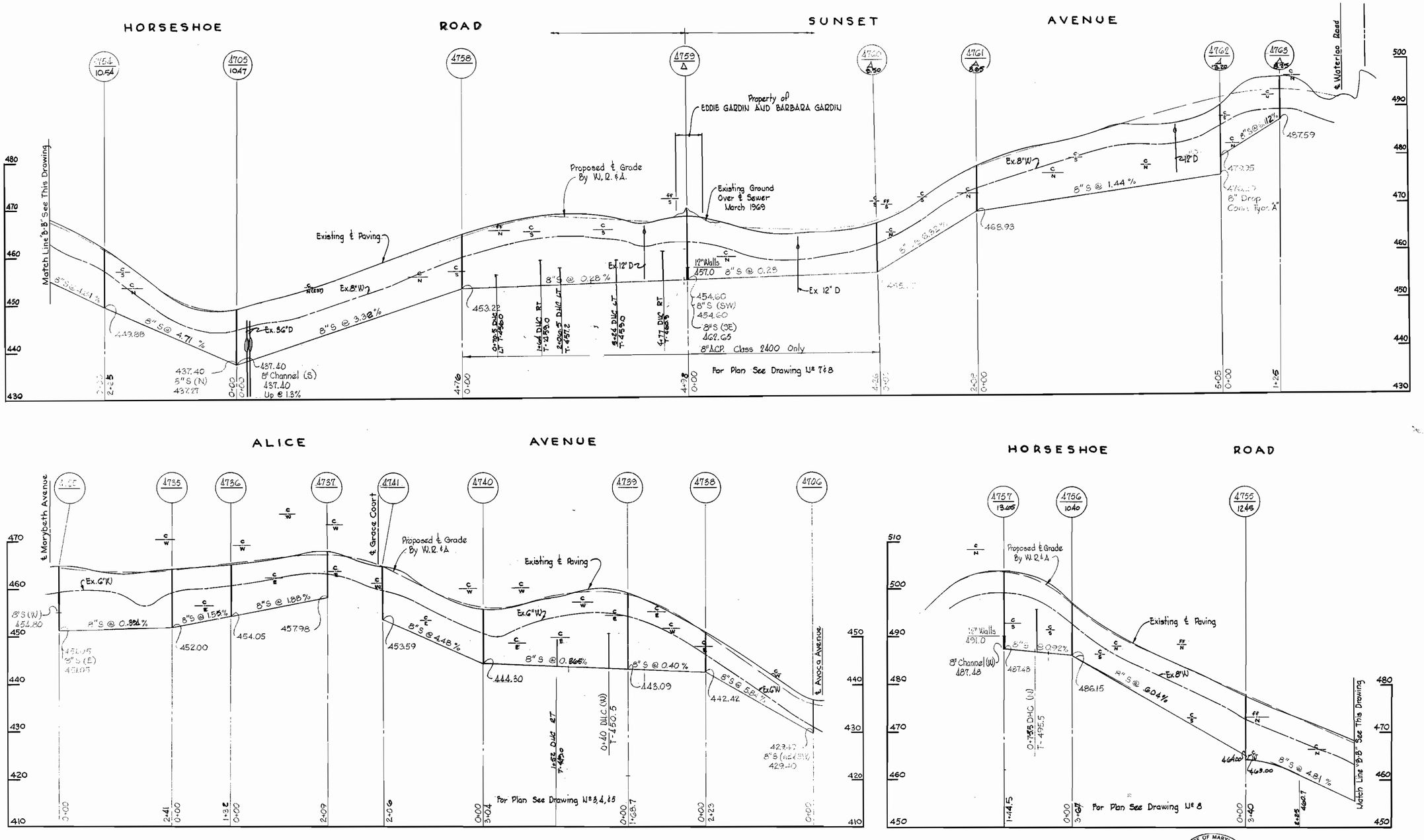
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION 5-6-70 DATE — W. O. Gilbert CHIEF ENGINEER	CONTRACT NO. 302-S	PROFILES OF SEWER MAINS	ELECTION DISTRICT ELLICOTT CITY No. 2	DRAWING NO. 13 OF 16	SCALE H:1"=100' V:1"=10'

W. O. 6185-2

Oct 7, 1971

WS 302-S/13

B. K. ELLIOTT CO., PGH., PA. REORDER A-14829



All Sewer ACP Class 2400

Contract No. 302-S

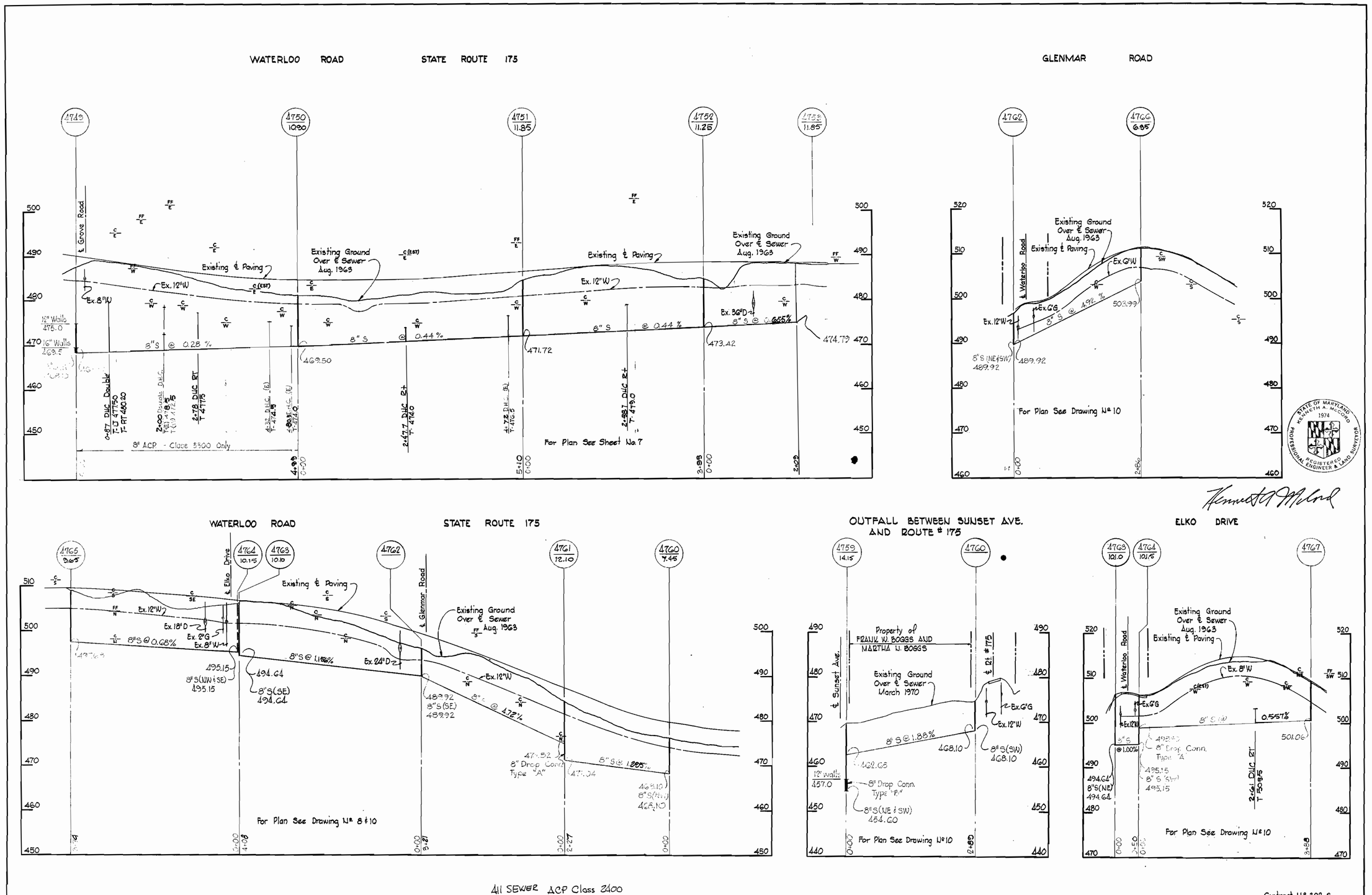
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION 5-6-70 (DATE) W O Gilbert (CHIEF ENGINEER)	CONTRACT NO. 302-S	PROFILES OF SEWER MAINS	ELECTION DISTRICT ELLICOTT CITY No. 2	DRAWING NO. 14 OF 16	SCALE H:1"=100' V:1"=10'

W. O. 6185-2

Oct. 7, 1971

WS 302-S/14

B. K. ELLIOTT CO., PGH., PA. REORDER A-14829



411 SEWER ACP Class 2400

Contract No 302-S

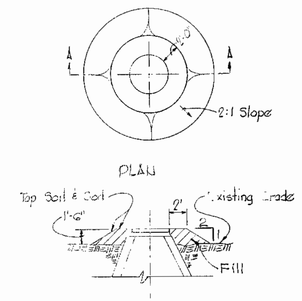
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION 5-6-70 DATE W O Filbert CHIEF ENGINEER	CONTRACT NO. 302-S	PROFILES OF SEWER MAINS	ELECTION DISTRICT ELLICOTT CITY No. 2	DRAWING NO. 15 OF 16	SCALE H:1"=100' V:1"=10'

W. O. 6185-2

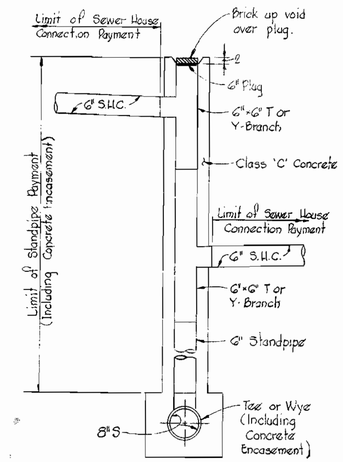
Oct 7, 1971 AS BUILT

WS 302-S/15

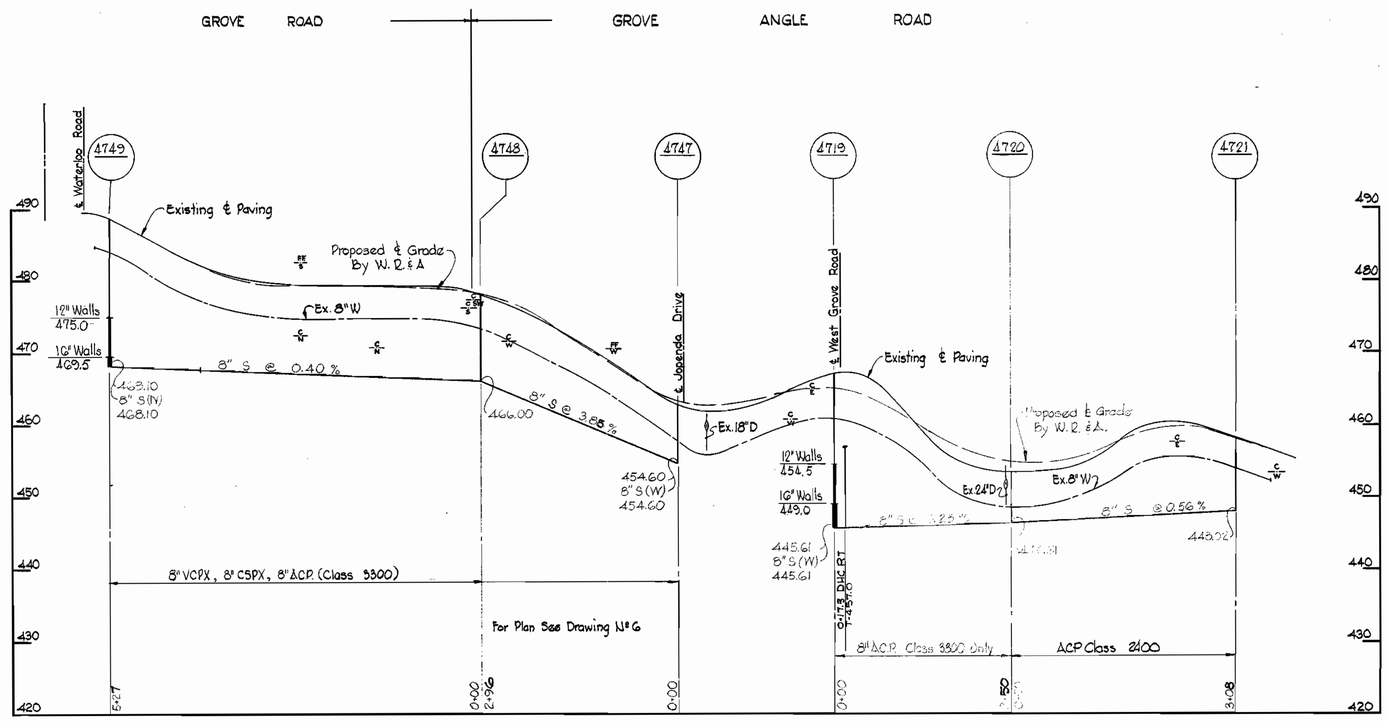
B. K. ELLIOTT CO., PGH., PA. REORDER A-14629



FILL AT MANHOLE
No Scale



PAYMENT LIMITS FOR DOUBLE DROP HOUSE CONNECTION
Scale: ½" = 1'-0"



PROFILE
Scale: Horz. 1" = 100'
Vert. 1" = 10'

Contract No. 302-S

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION 5-6-70 (DATE) — W. O. Fallbert (CHIEF ENGINEER)	CONTRACT NO. 302-S	PROFILE & DETAILS OF SEWER MAINS	ELECTION DISTRICT ELLICOTT CITY No. 2	DRAWING NO. 16 OF 16	SCALE AS SHOWN

W. O. 6185-2

WS 302-S/16

J. K. ELLIOTT CO., PGH., PA. REORDER A-14929