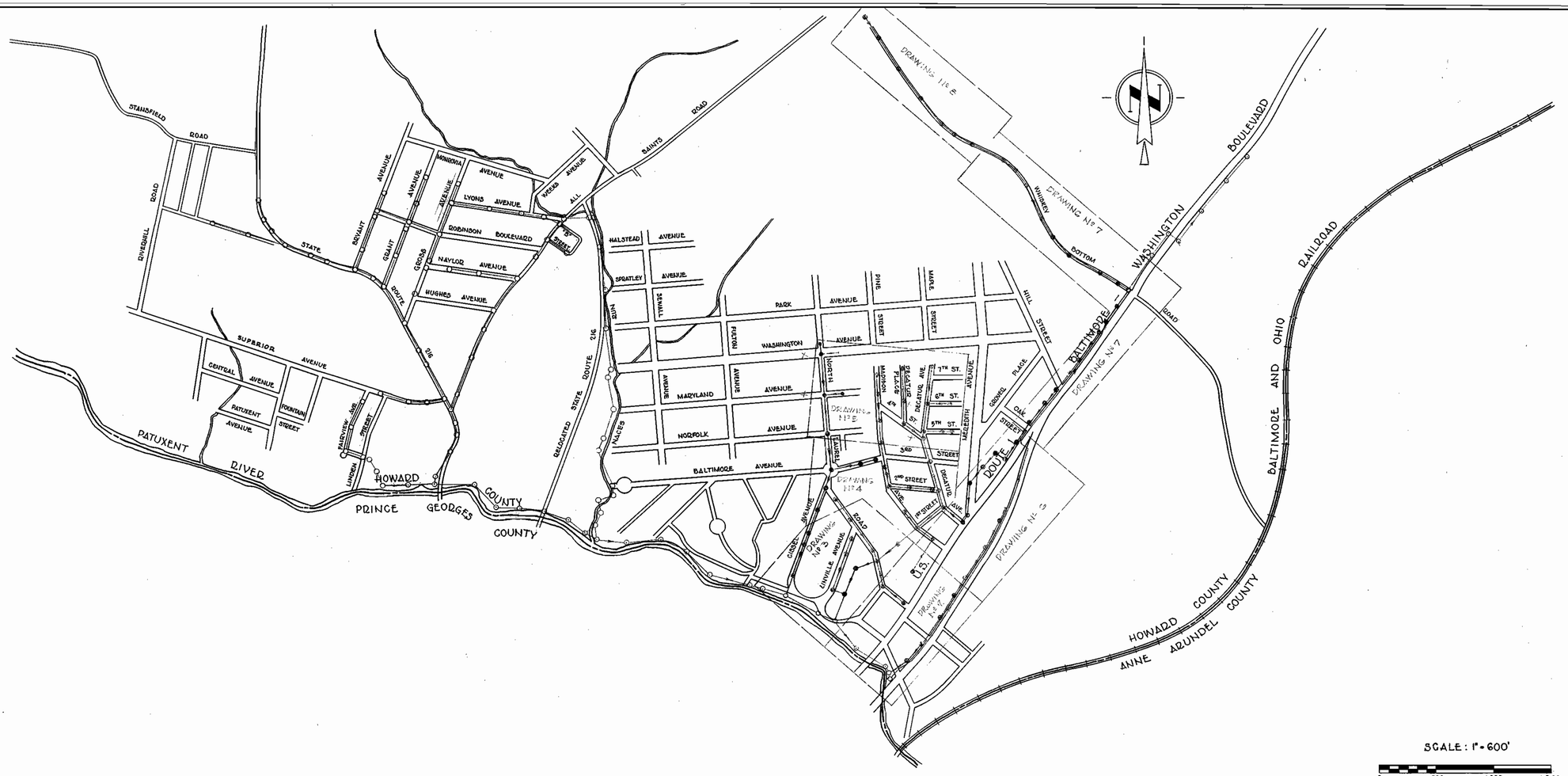


CONTRACT 29-S

SEWER MAIN EXTENSIONS

HOWARD COUNTY METROPOLITAN COMMISSION

PATUXENT SUB-DISTRICT

Contract No 29-S

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION March 3, 1961 (DATE) Carl W. Meyer (CHIEF ENGINEER)	CONTRACT NO. 29-S	LOCATION MAP	PATUXENT SUB-DISTRICT	DRAWING NO. 1 OF 12 / SCALE AS SHOWN

W.O. 4955-2

14 DEC. 65 AS BUILT

WS 29-S/1

ELLIOTT CO., PITTSBURGH REORDER A-28070

Contract № 29-S

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION March 3, 1961 (DATE) — [signature] CHIEF ENGINEER	CONTRACT NO. 29-S	PLAN OF SEWER MAINS	PATUXENT SUB-DISTRICT	DRAWING NO. 2 OF 12	SCALE 1"=50'	Y 40 NE 16-4 40 NE 17-1,3

4955-2

14 DEC 65 AS BUILT

F.B. 2560,1550

WS 29-S/2

LLIOTT CO., PITTSBURGH REORDER A-33484-1

PROFILE SCHEDULE	
Cissel Avenue	Drawing Nº 11
North Laurel Road	Drawing Nº 11
Linville Avenue	Drawing Nº 12
First Street Outfall	Drawing Nº 12

Match Line "C-C" See Drawing Nº 4

Match Line "B-B" See Drawing Nº 2

Match Line "B-B" See Drawing Nº 2

Match Line "E-E" See Drawing Nº 4

Contract Nº 29-S

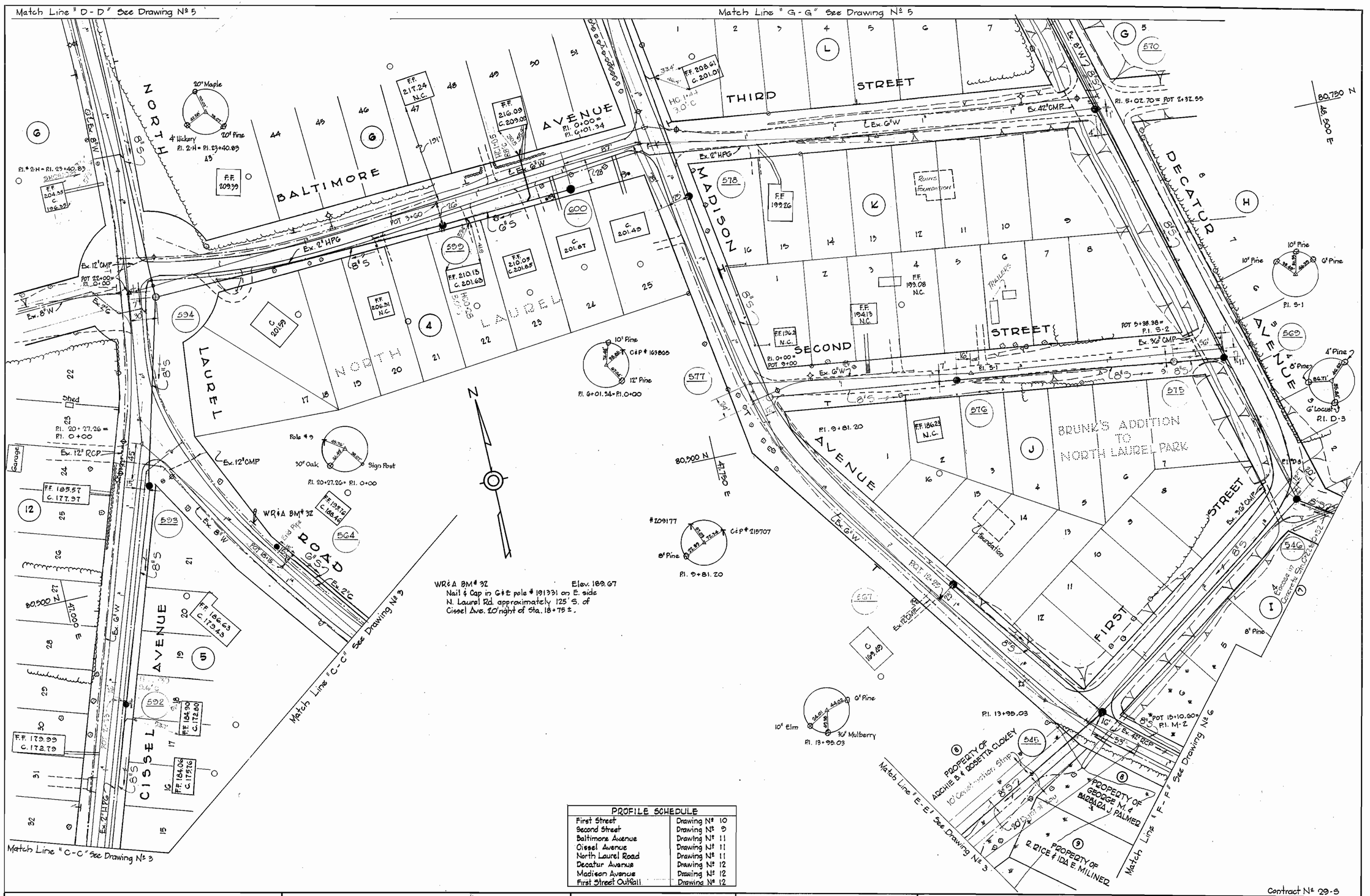
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION March 3, 1961 (DATE) Carl W. Meyer (CHIEF ENGINEER)	CONTRACT NO. 29-S	PLAN OF SEWER MAINS	PATUXENT SUB-DISTRICT	DRAWING NO. 3 OF 12	SCALE 1"=50'

W. O. 4955-2

14 DEC. 65 AS BUILT

WS 29S/3

ELLIOTT CO., PITTSBURGH REORDER A-39070



PROFILE SCHEDULE	
First Street	Drawing No 10
Second Street	Drawing No 9
Baltimore Avenue	Drawing No 11
Cissel Avenue	Drawing No 11
North Laurel Road	Drawing No 11
Decatur Avenue	Drawing No 12
Madison Avenue	Drawing No 12
First Street Outfall	Drawing No 12

Contract No 29-S

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION March 3, 1961 DATE Carl W. Meyer CHIEF ENGINEER	CONTRACT NO. 29-S	PLAN OF SEWER MAINS	PATUXENT SUB-DISTRICT	DRAWING NO. 4 OF 12	SCALE 1"=50' 41 NE 16-4 41 NE 17-3

W. O. 4955-2

14 DEC 65 AS BUILT

WS 29-S/4

ELLIOTT CO., PITTSBURGH REORDER A-39070

WR&A BM # 34 Elev. 255.25
Nail & Cap in pole on W. side of N. Laurel Road
Approximately 175± N. end of macadam.

WR&A BM # 33 Elev. 232.18
Nail & Cap in pole # 198181 on W. side N. Laurel Road 15'± left of Station 29+50±.

WR&A BM # 50 Elev. 230.99
Roadside flange bolt of fire hydrant W. side Madison Ave. 100'± N. of Fourth Street.

PROFILE SCHEDULE	
Washington Avenue -	Drawing № 11
Maryland Avenue -	Drawing № 11
North Laurel Road	Drawing № 11
Madison Avenue	Drawing № 12
Decatur Place -	Drawing № 9
Fourth Street -	Drawing № 9
Sixth Street	Drawing № 10
Fifth Street	Drawing № 12
Decatur Avenue	Drawing № 12

Match Line "D - D" See Drawing № 4

Match Line "G-G" See Drawing № 4

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION March 3, 1961 (DATE) Carl W. Mayer (CHIEF ENGINEER)	CONTRACT NO. 29-S	PLAN OF SEWER MAINS	PATUXENT SUB-DISTRICT	DRAWING NO. 5 OF 12	SCALE 1"=50'

Contract № 29-S

W. O. 4955-2

14 DEC. 65 AS BUILT

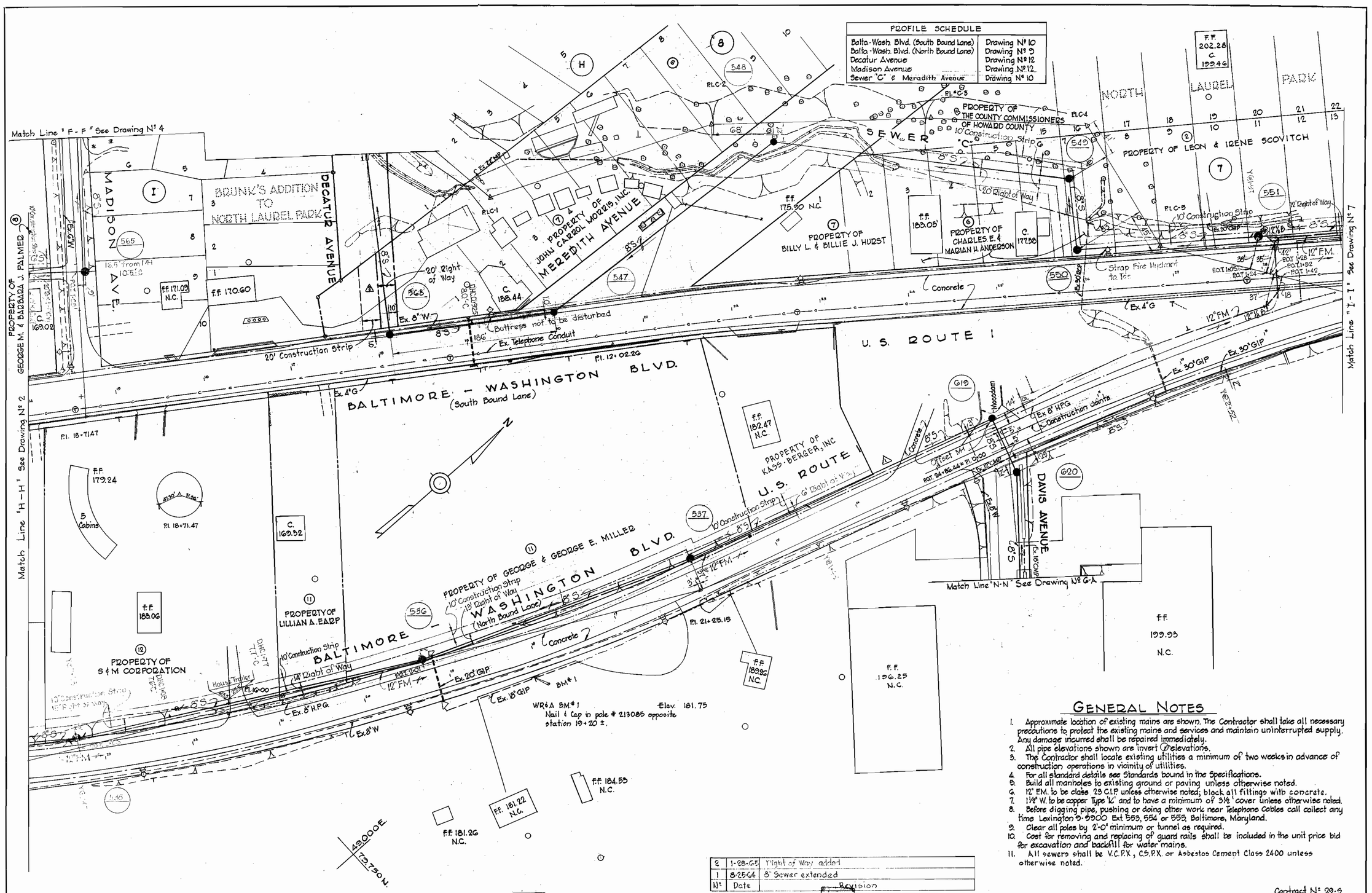
FD. 2573, 1550

41 NE 16-E
41 NE 17-1

WS 29-S/5

ELLIOTT CO., PITTSBURGH REORDER A-39070

WS 295/6



PROFILE SCHEDULE	
Balto.-Wash. Blvd. (South Bound Lane)	Drawing Nº 10
Balto.-Wash. Blvd. (North Bound Lane)	Drawing Nº 9
Decatur Avenue	Drawing Nº 12
Madison Avenue	Drawing Nº 12
Sewer "C" & Meradith Avenue	Drawing Nº 10

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 the Specifications.
5. Build all manholes to existing ground or paving unless otherwise noted.
6. 12" F.M. to be class 23 C.I.P. unless otherwise noted; block all fittings with concrete.
7. 1½" W. to be copper Type "K" and to have a minimum of 3½' cover unless otherwise noted.
8. 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.
9. Clear all poles by 2'-0" minimum or tunnel as required.
10. Cost for removing and replacing of guard rails shall be included in the unit price bid for excavation and backfill for water mains.
11. All sewers shall be V.C.P.X., C.S.P.X. or Asbestos Cement Class 2400 unless otherwise noted.

Nº	Date	Revision
2	1-28-65	Right of Way added
1	8-25-64	8" Sewer extended

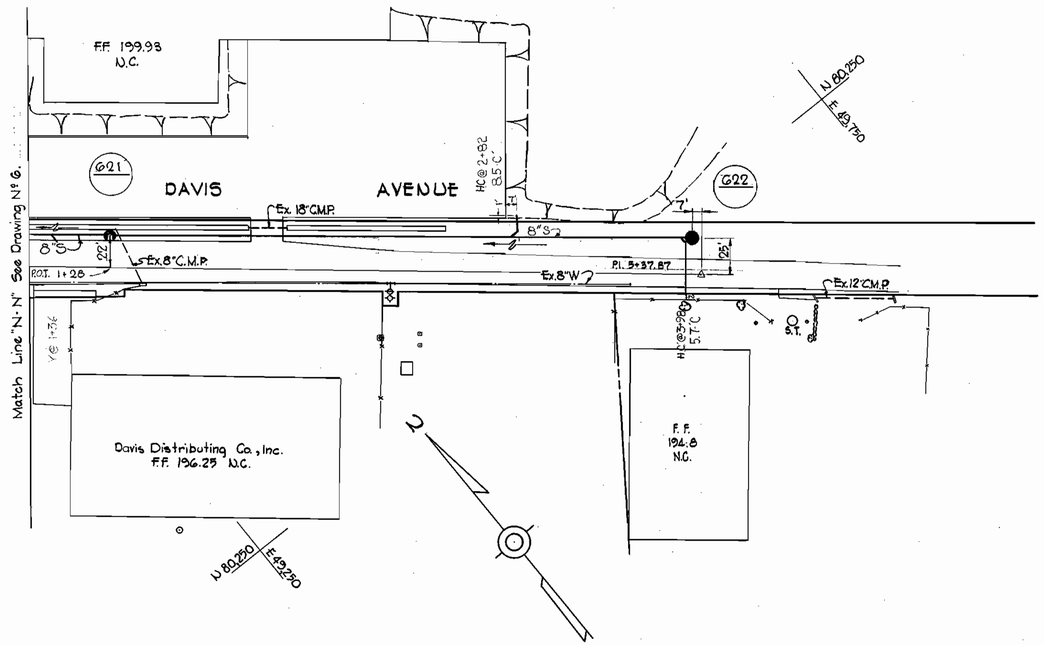
Contract Nº 29-S

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COM[redacted]ON March 3, 1961 DATE CHIEF ENGINEER	CONTRACT NO. 29-S	PLAN OF SEWER MAINS	PATUXENT SUB-DISTRICT	DRAWING NO. 6 OF 12	SCALE 1"=50'	Y 40 NE 17-1 41 NE 17-3 F.B. 1550

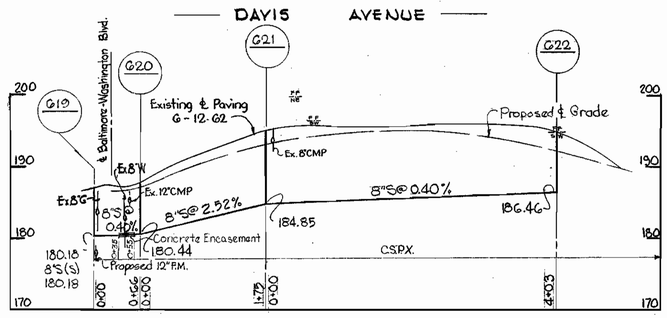
4955-2

14 SEPT., 1966 AS BUILT

LLIOTT CO., PITTSBURGH REORDER A-33484



PLAN
Scale: 1"=50'



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

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION August 26, 1964 (DATE) W. O. Howe (CHIEF ENGINEER)	CONTRACT NO. 29-S	PLAN AND PROFILE OF SEWER MAINS	PATUXENT SUB - DISTRICT	DRAWING NO. 6-A OF 12	SCALE AS SHOWN 41 NE 17-3,4

W. O. 4055-2

14 DEC. 1965 FB. 1413 AS BUILT

WS 29S16-A

ELLIOTT CO., PGH., PA. REORDER A-26874

PROFILE SCHEDULE	
Baltimore-Washington Blvd.	Drawing No 10
Whiskey Bottom Road	Drawing No 8

WR&A BM.#2
Nail & tin top in 30" Oak on W. side of U.S. 1 opposite station 31+80 ±.
Elev. 203.49

WR&A BM#3
Nail & Cap in 24" White Oak 40'± E. of station 38+50.
Elev. 233.99

WR&A BM#4
Nail & Cap in second pole on right side of Patuxent Drive from U.S#1 opposite Station 51+05.
Elev. 237.20

WR&A BM#5
Nail in pole # 306005 on W. side Station 59+70.
Elev. 267.69

Note:
Strapping of fire hydrants shall be included in the unit price bid for furnishing and laying sewer. See Standard Detail W-G.

Note:
Cost for relocating light poles to be included in unit price for furnishing and laying sewer.

Cellars not served.

No.	Date	Revision
4	5-14-76	ADDED 85' S.H.C. ACROSS U.S. RT. 1

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

HOWARD COUNTY METROPOLITAN COMMISSION
March 3, 1961 — DATE
Carl W. Mayer — CHIEF ENGINEER

CONTRACT NO. 29-S

PLAN OF SEWER MAINS

PATUXENT SUB-DISTRICT

DRAWING NO. 7 OF 12

SCALE 1"=50'

Y

41 NE 17-1,2
42 NE 17-4
F.D. 1960

Contract No 29-S

14 DEC 1965 - AS BUILT

4955-2

WS 29S/7

ILLIOTT CO., PITTSBURGH REORDER A-33484-1

WS 295/8

Match Line "M-M" See This Drawing

84,750 N 48,250 E

F.F. 290.35

C 287.65

C 285.27

C 288.60

C 286.60

C 278.50

Guy Pole # 314 G09

Pl. 75+06.44

84,250 N 48,500 E

Match Line "L-L" See Drawing No. 7

G14 G13 G12 G11 G10

8"S Ex. 3" HPG Ex. 12"W Ex. 12"x 24" CMP 16' Ex. 12"x 18" GIP

POT 80+00 POT 81+00 POT 83+63 POT 174+72

Blacktop ROAD

WHISKEY BOTTOM

For Profile See This Drawing

PLAN
Scale: 1"=50'

C 295.55

C 286.28

G07 G06 G05 G04 G03 G02 111G

WHISKEY BOTTOM ROAD

Proposed & Grade by WR&A

Existing & Grade

Ex. 10"x 18" GIP Ex. 12"W

12" Wall El. 255.0

12" Wall - El. 252.2

8"S @ 5.25% 8"S @ 0.40% 8"S @ 4.46% 8"S @ 2.48% 8"S @ 1.59%

252.52 250.88 250.00 248.99 231.07 225.59

223.33 12"S (SW) 223.00 15"S (NE) 222.79 Built Under Cont. 50-S

CSPX Low Cradle CSPX only

T. 15200 Dec. 1479 Inc. 1445

Match Line "A-A" See This Drawing

Match Line "A-A" See This Drawing

Baltimore-Washington Blvd.

314G16 # 193111 10" twin gum

Pl. 89+42.95

F.F. 304.88 F.F. 301.43 F.F. 305.65 F.F. 305.73 N.C.

C. 299.05

85,250 N 47,200 E

G16 G15

For Profile See This Drawing

WHISKEY BOTTOM ROAD

Ex. 3" HPG Ex. 12"W Ex. 10"x 18" GIP

8"S Blacktop

78.6' 51.5' 90° C @ 3.78%

Match Line "M-M" See This Drawing

G16 G15 G14 G13 G12 G11 G10 G09 G08

8"S @ 0.40% 8"S @ 3.38% 8"S @ 0.40% 8"S @ 0.40% 8"S @ 0.59% 8"S @ 1.24% 8"S @ 9.28%

275.51 274.40 281.47 279.87 278.48 277.89 276.55 275.55 271.05 261.81

Existing & Grade Proposed & Grade by WR&A

Ex. 12"x 24" GIP Ex. 12"W

12" Wall - El. 280.1

CSPX

PART "A"

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

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

HOWARD COUNTY METROPOLITAN COMMISSION
March 3, 1961 — DATE
Carl W. Meyer — CHIEF ENGINEER

CONTRACT NO. 29-S

PLAN AND PROFILES OF SEWER MAINS

PATUXENT SUB-DISTRICT

DRAWING NO. 8 OF 12

SCALE AS SHOWN

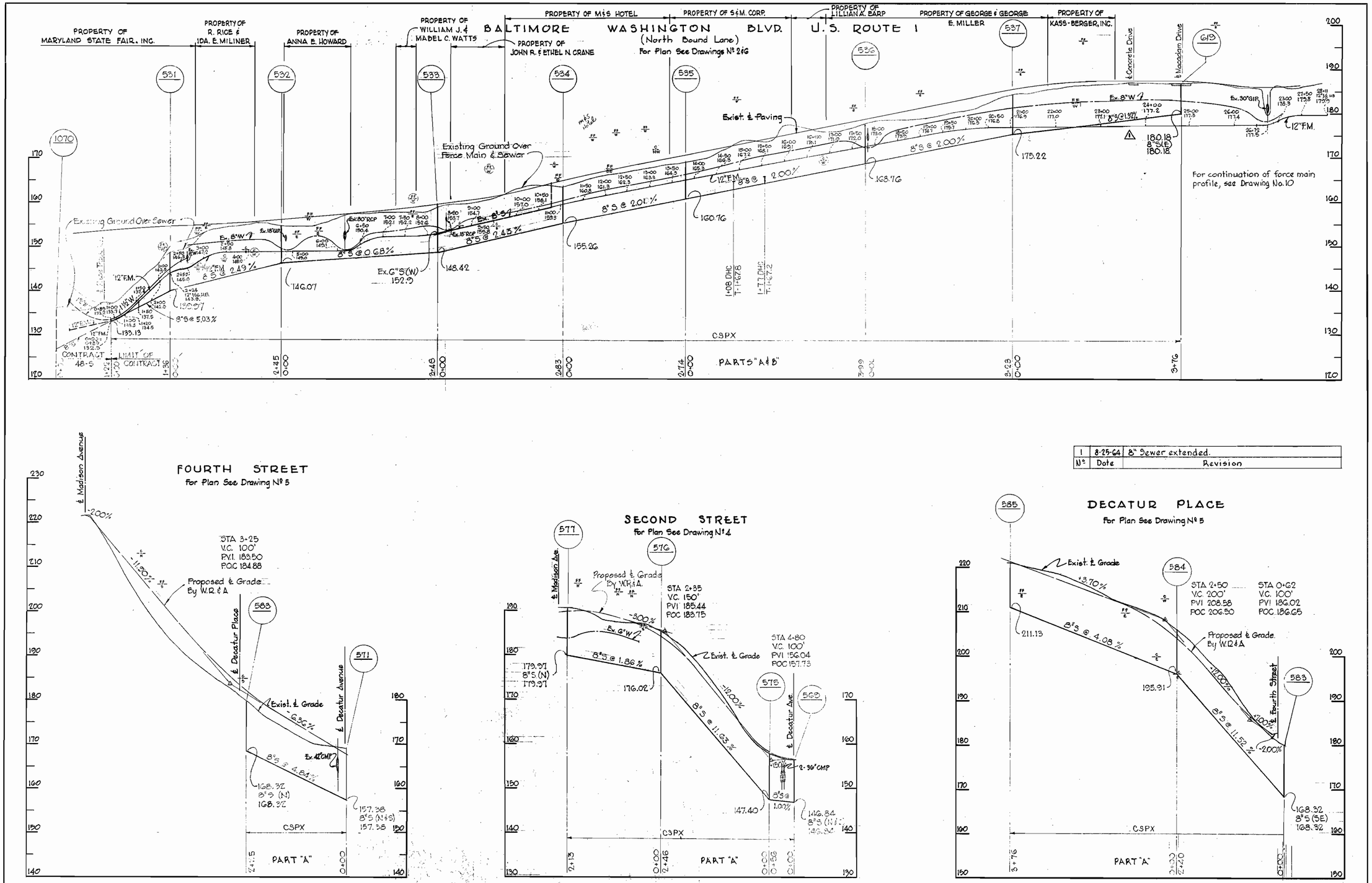
Y

43 NE 17-3
43 NE 18-4

Contract No. 29-S

14 DEC, 1905 AS BUILT

4055-2



Nº	Date	Revision
1	8-25-64	8" Sewer extended.

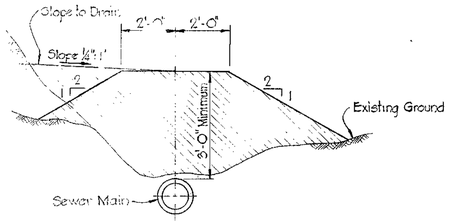
Contract Nº 29-S

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION March 3, 1961 DATE Carl W. Meyer CHIEF ENGINEER	CONTRACT NO. 29-S	PROFILES OF SEWER MAINS	PATUXENT SUB-DISTRICT	DRAWING NO. 9 OF 12	SCALE H-1"=100' V-1"=10'

W. O. 4955-2

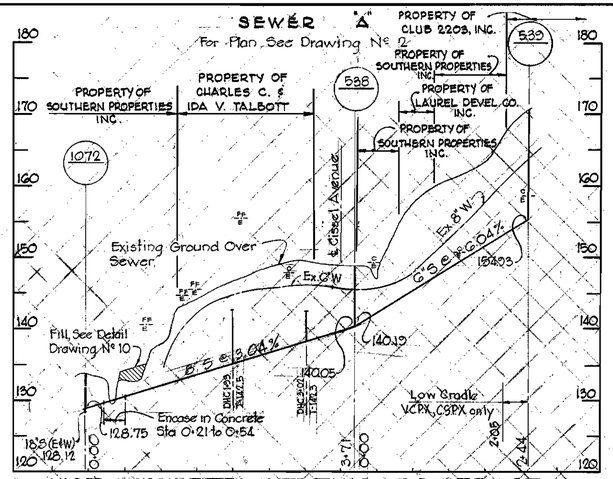
14 DEC. 1965 AS BUILT

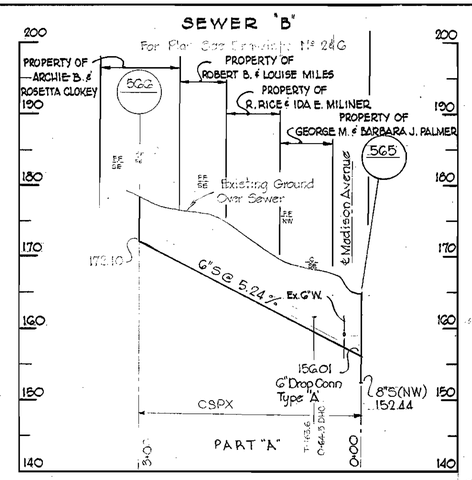
WS 295/9

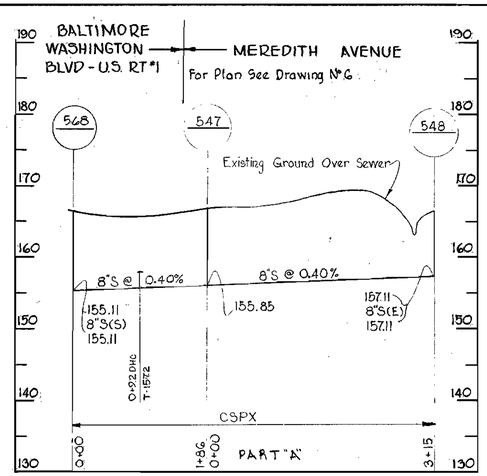


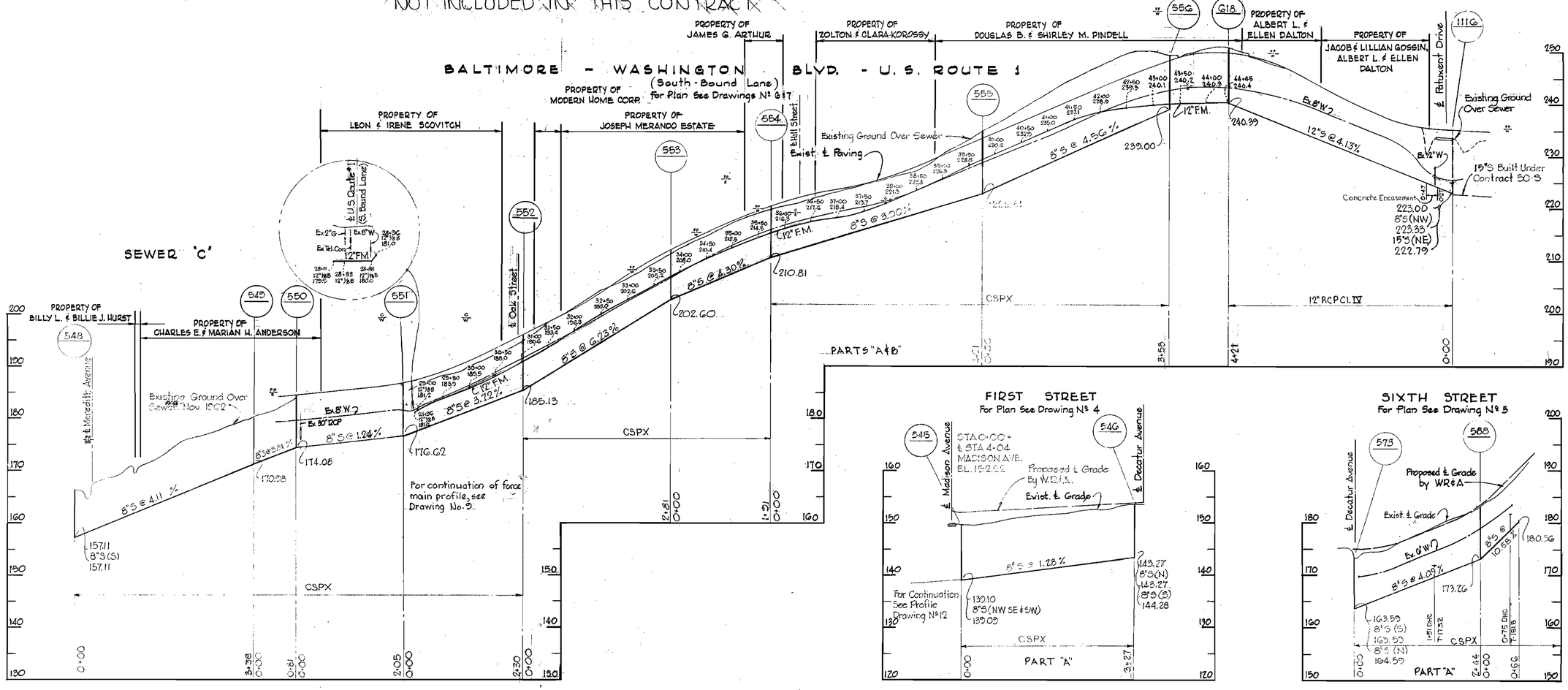
TYPICAL FILL DETAIL

No Scale









WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION March 3, 1961 (DATE) Carl W. Mayer (CHIEF ENGINEER)	CONTRACT NO. 29-S	PROFILES OF SEWER MAINS	PATUXENT SUB-DISTRICT	DRAWING NO. 10 OF 12	SCALE H-1"=100' V-1"=10'

Contract Nº 29-S

W. O. 4955-2

14 DEC 65 AS BUILT

WS 29S/10

ELLIOTT CO., PITTSBURGH REORDER A-29070

NORTH LAUREL ROAD
For Plan See Drawings Nº 2, 3, & 4

MARYLAND AVENUE
For Plan See Drawing Nº 5

WASHINGTON AVENUE
For Plan See Drawing Nº 5

NORTH LAUREL ROAD
for Plan See Drawings Nº 4 & 5

CISSEL AVENUE
for Plan See Drawings Nº 3 & 4

for Plan See Drawing Nº 4
BALTIMORE AVENUE

PROPERTY OF SOUTHERN PROPERTIES INC.

PROPERTY OF JOHN E. & BARBARA J. MUNSON

PROPERTY OF ELLA W. DAVIS

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION March 3, 1961 (DATE) Carl W. Meyer (CHIEF ENGINEER)	CONTRACT NO. 29-S	PROFILES OF SEWER MAINS	PATUXENT SUB-DISTRICT	DRAWING NO. 11 OF 12 SCALE H-1"=100' V-1"=10'

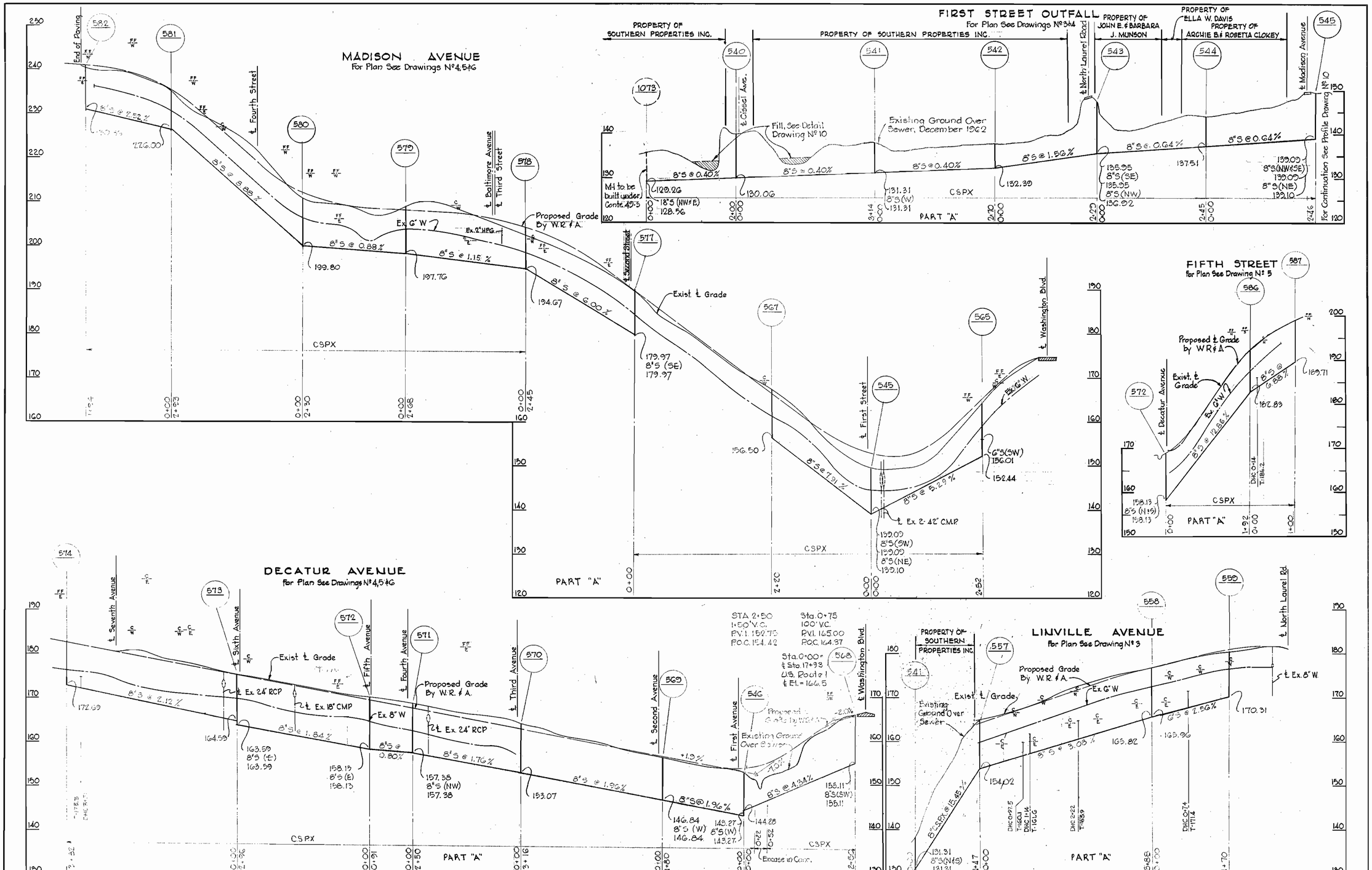
Contract Nº 29-S

W. O. 4955-2

14 DEC. 65 AS BUILT

WS 29-S/11

ELLIOTT CO., PITTSBURGH REORDER A-39070



Contract Nº 29-S

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION March 3, 1961 DATE Carl W. Meyer CHIEF ENGINEER	CONTRACT NO. 29-S	PROFILES OF SEWER MAINS	PATUXENT SUB-DISTRICT	DRAWING NO. 12 OF 12	SCALE H-1"=100' V-1"=10'

W. O. 4955-2

14 DEC 65 AS BUILT

WS 29-S/12

ELLIOTT CO., PITTSBURGH REORDER A-33070