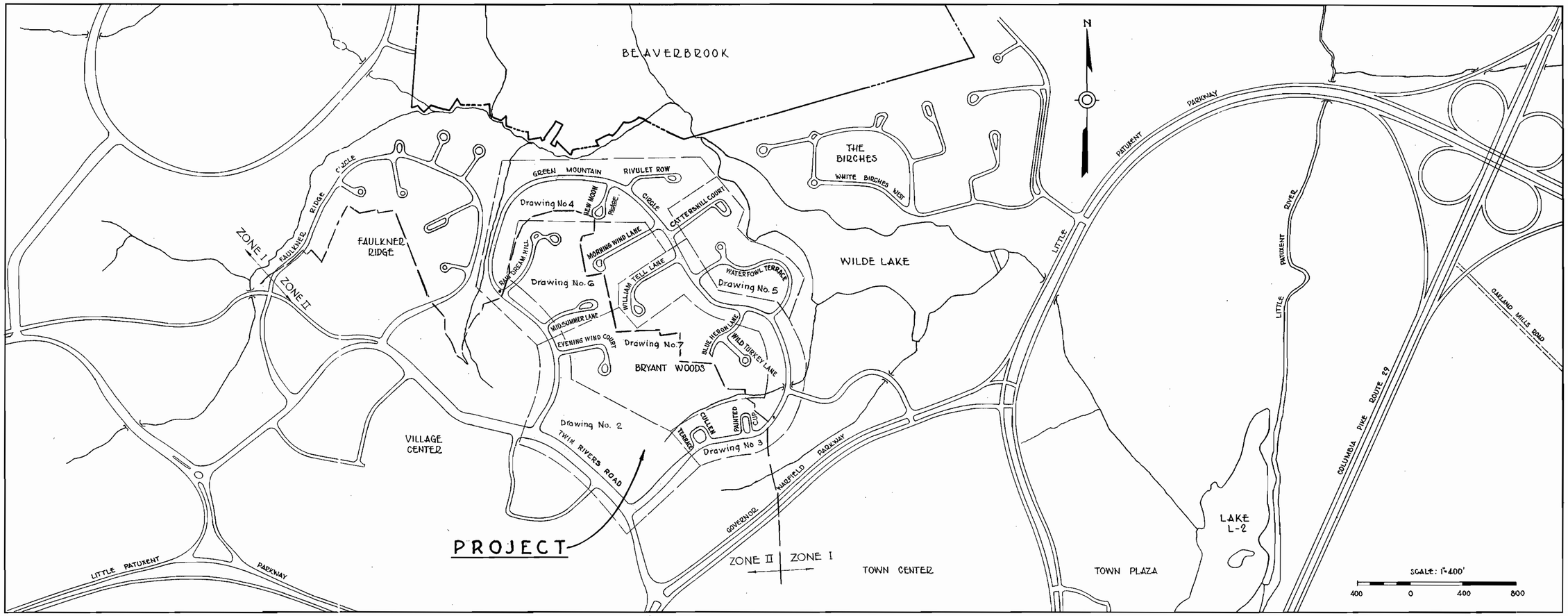


CONTRACT 166-W&S

WATER & SEWER EXTENSIONS

HOWARD COUNTY METROPOLITAN COMMISSION

ELLICOTT CITY, MARYLAND

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

Kenneth A. McCord

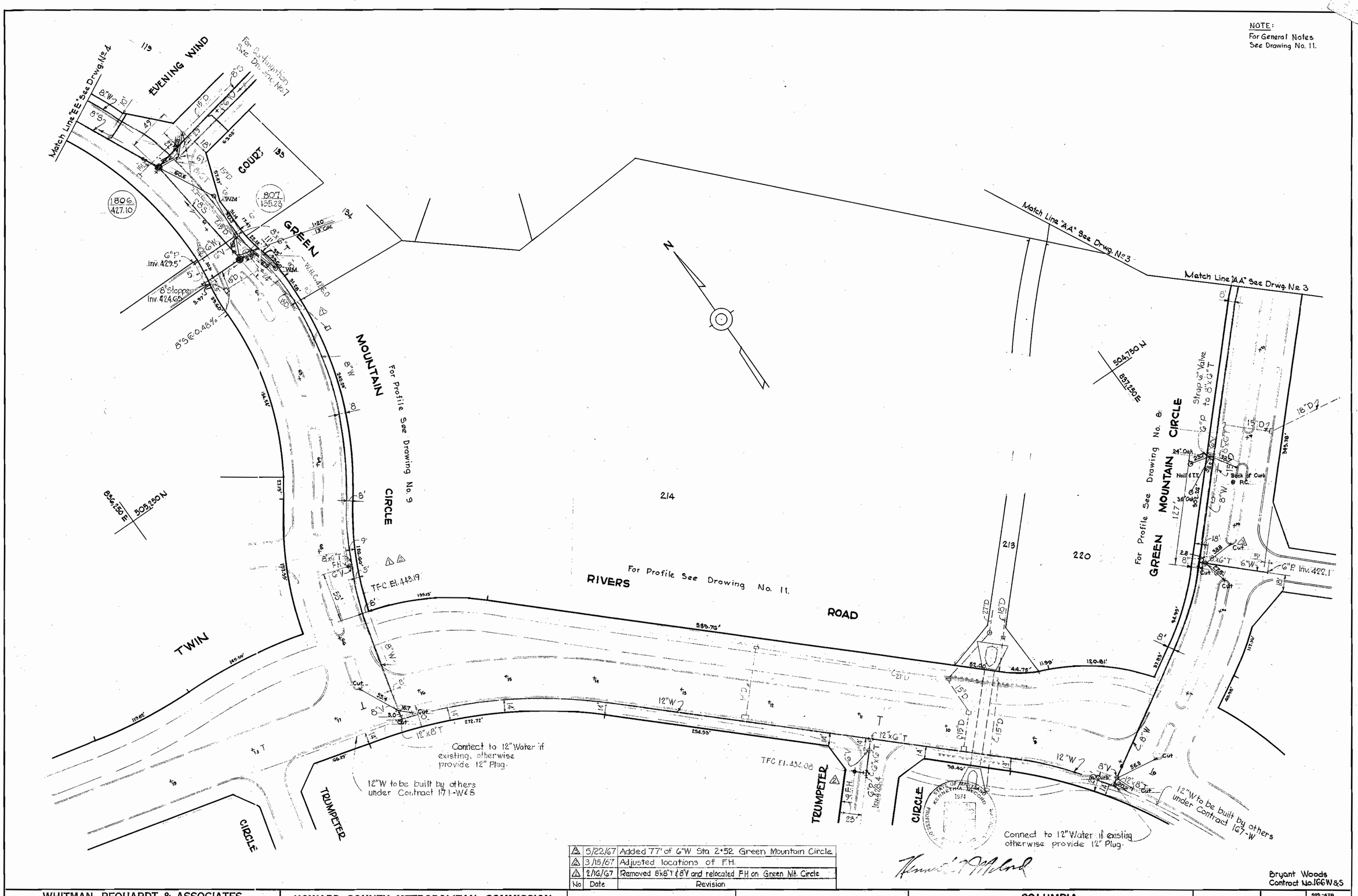
Bryant Woods
Contract No. 166-W&S

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION 12-16-66 DATE W. O. Talbert CHIEF ENGINEER	CONTRACT NO. 166-W&S	LOCATION MAP	COLUMBIA VILLAGE OF WILDE LAKE ELECTION DISTRICT - CLARKSVILLE No. 5	DRAWING NO. 1 OF 11	SCALE AS SHOWN

AS BUILT 3-22-67

V. O. 5735

W-S 166 W.S.I.I



No	Date	Revision
3	5/22/67	Added 77' of 6"W Sta 2+52 Green Mountain Circle
2	3/15/67	Adjusted locations of F.H.
1	2/16/67	Removed 8"x8"T & 8"V and relocated FH on Green Mt. Circle

Bryant Woods
Contract No. 166 W&S

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION 12-16-66 DATE W O Talbert CHIEF ENGINEER	CONTRACT NO. 166-W&S	PLAN OF WATER & SEWER MAINS	COLUMBIA VILLAGE OF WILDE LAKE ELECTION DISTRICT-CLARKSVILLE NO. 5	DRAWING NO. 2 OF 11	SCALE 1"=50'

505-478
504-478
505-479
504-479

W. O. 5735

AS BUILT NOV. 9, 1967

5-22-67

W5 166 W.5/2

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

NOTE:
For General Notes
See Drawing No. 11.

OUTFALL "A"

1.0' Construction Strip

Channel

8" Stub & Stopper Up @ 2.00 %

20' Right of Way

For Continuation See Drawing № 7

Right of Way

Match Line "A.A" See Drwg. № 2

Match Line "A.A" See Drwg. № 2

Match Line "BB" See This Drwg.

Match Line "BB" See This Drwg.

Match Line "CC" See Drwg. № 4

CULLEN TERRACE

GREEN PAINTED MOUNTAIN

BLUE HERON LANE

WATERFOWL TERRACE

WATERFOWL CIRCLE

WINDSTREAM CIRCLE

WILLIAM TELL LANE

TFC DRIVE

For Profile See Drawing No. 9

For Profile See Drawing No. 8

For Profile See Drawing No. 5

For Continuation See Drawing No. 5

For Continuation See Drawing No. 7

DIVISION VALVE

Division Valve to remain open temporarily. Division Valve to be closed when Zone II water is connected to system

ZONE II (630') ZONE I (567')

№	Date	Revision
4	4/25/67	Raised rim elevation MH 1798
3	3/22/67	Rev. Sewer Align. between 1757 & 1760, Added MH 1759-A
2	3/15/67	Adjusted locations of F.H.
1	3/7/67	Added 6" Water Main @ Sta. 7+45 Green Mt. Circle
5	5/3/67	Added 2" Water Service @ Sta 25+93 & 26+35 Gr. Mountain Circle

Bryant Woods
Contract № 166 W&S

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

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION 12-16-66 (DATE) W O Filbert (CHIEF ENGINEER)	CONTRACT NO. 166-W&S	PLAN OF WATER & SEWER MAINS	COLUMBIA VILLAGE OF WILDE LAKE ELECTION DISTRICT-CLARKSVILLE NO. 5	DRAWING NO. 3 OF 11	SCALE 1"=50'	504-479 505-479 506-479

W. O. 5735

AS BUILT NOV. 9, 1967

5-9-67

WS 166 W.S/3

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

△4	4/5/67	Added 54' of 8"S at MH 1802
△3	3/15/67	Added 35' of W, 8x8"T; Revised 56' of Sewer at MH 1803
△2	3/15/67	Adjusted locations of F.H.
△1	1/23/67	Revised Location of MH 1780
N°	Date	Revision

Bryant Woods
Contract №166-W&S

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION 12-16-66 DATE — W O Filbert CHIEF ENGINEER	CONTRACT NO. 166-W & S	PLAN OF WATER & SEWER MAINS	COLUMBIA VILLAGE OF WILDE LAKE ELECTION DISTRICT-CLARKSVILLE NO.5	DRAWING NO. 4 OF 11	SCALE 1"=50'	506-479 506-478 505-478

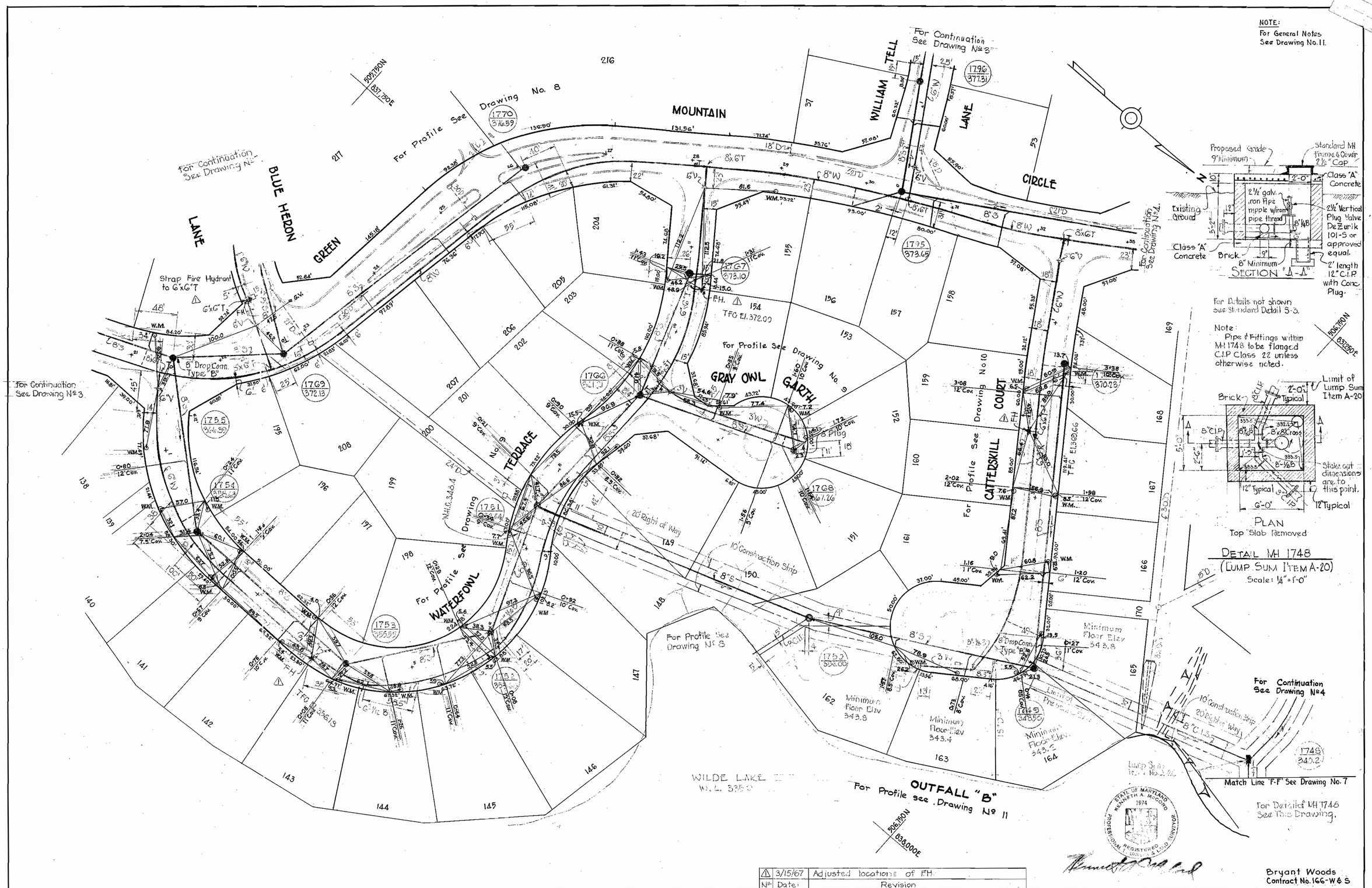
W. O. 5735

AS BUILT NOV. 9, 1967

4-5-67

WS 166 W-S/4

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



Nº	Date	Revision
1	3/15/67	Adjusted locations of FH

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION 12-16-66 DATE W O Lilbert CHIEF ENGINEER	CONTRACT NO. 166-W&S	PLAN OF WATER & SEWER MAINS	COLUMBIA VILLAGE OF WILDE LAKE ELECTION DISTRICT-CLARKSVILLE NO. 5	DRAWING NO. 5 OF 11	SCALE 1"=50'

506-479
505-479
506-480

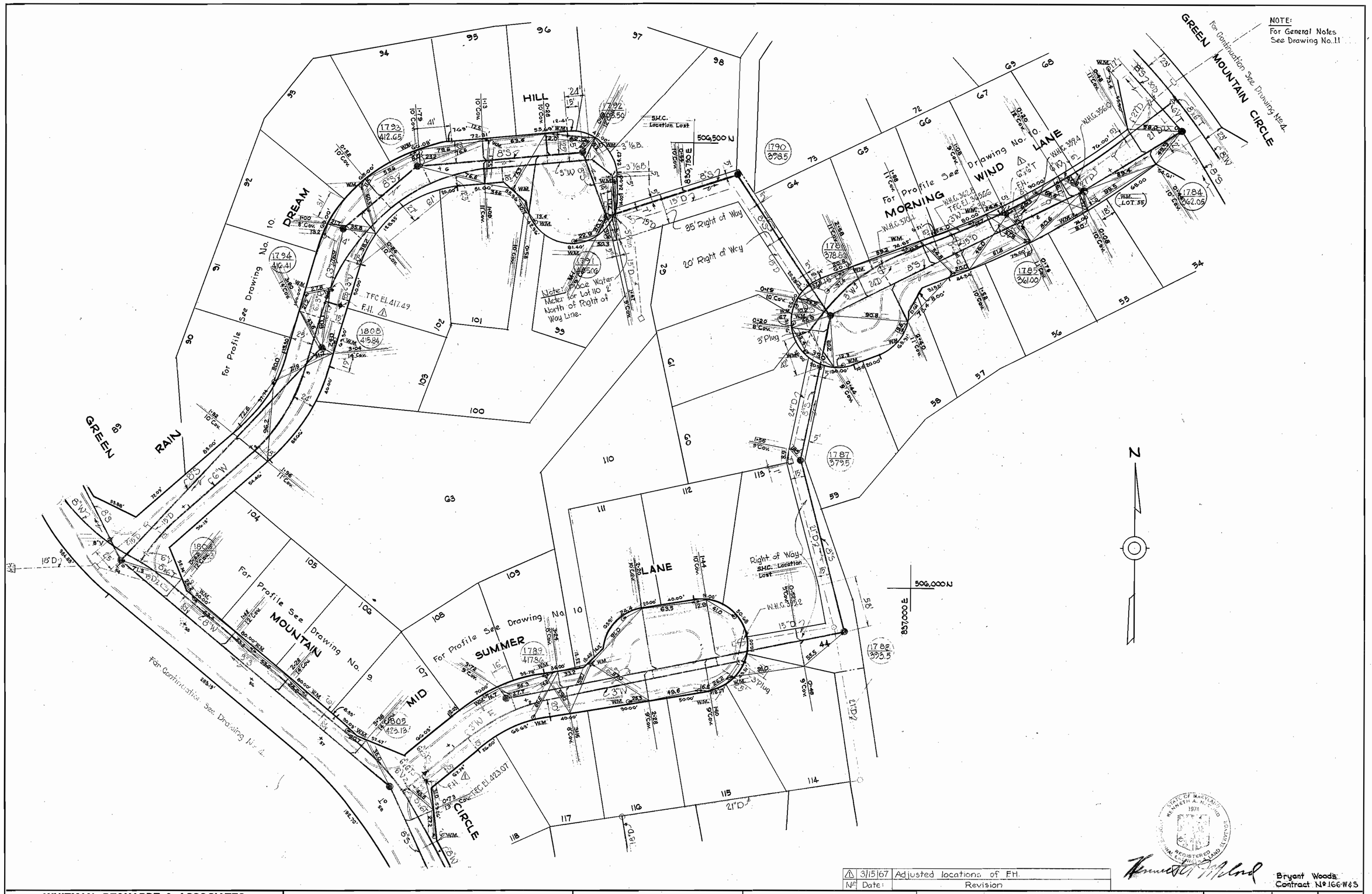
W. O. 5735

AS BUILT NOV. 9, 1967

3-15-67

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

WS 166 W.S/S



Nº	Date:	Revision
1	3/15/67	Adjusted locations of F.H.

Bryant Woods
Contract Nº 166-W&S

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION 12-16-66 DATE W O Filbert CHIEF ENGINEER	CONTRACT NO. 166-W&S	PLAN OF WATER & SEWER MAINS	COLUMBIA VILLAGE OF WILDE LAKE ELECTION DISTRICT-CLARKSVILLE NO. 5	DRAWING NO. 6 OF 11	SCALE 1"=50'	506-479 505-479 506-478 505-478

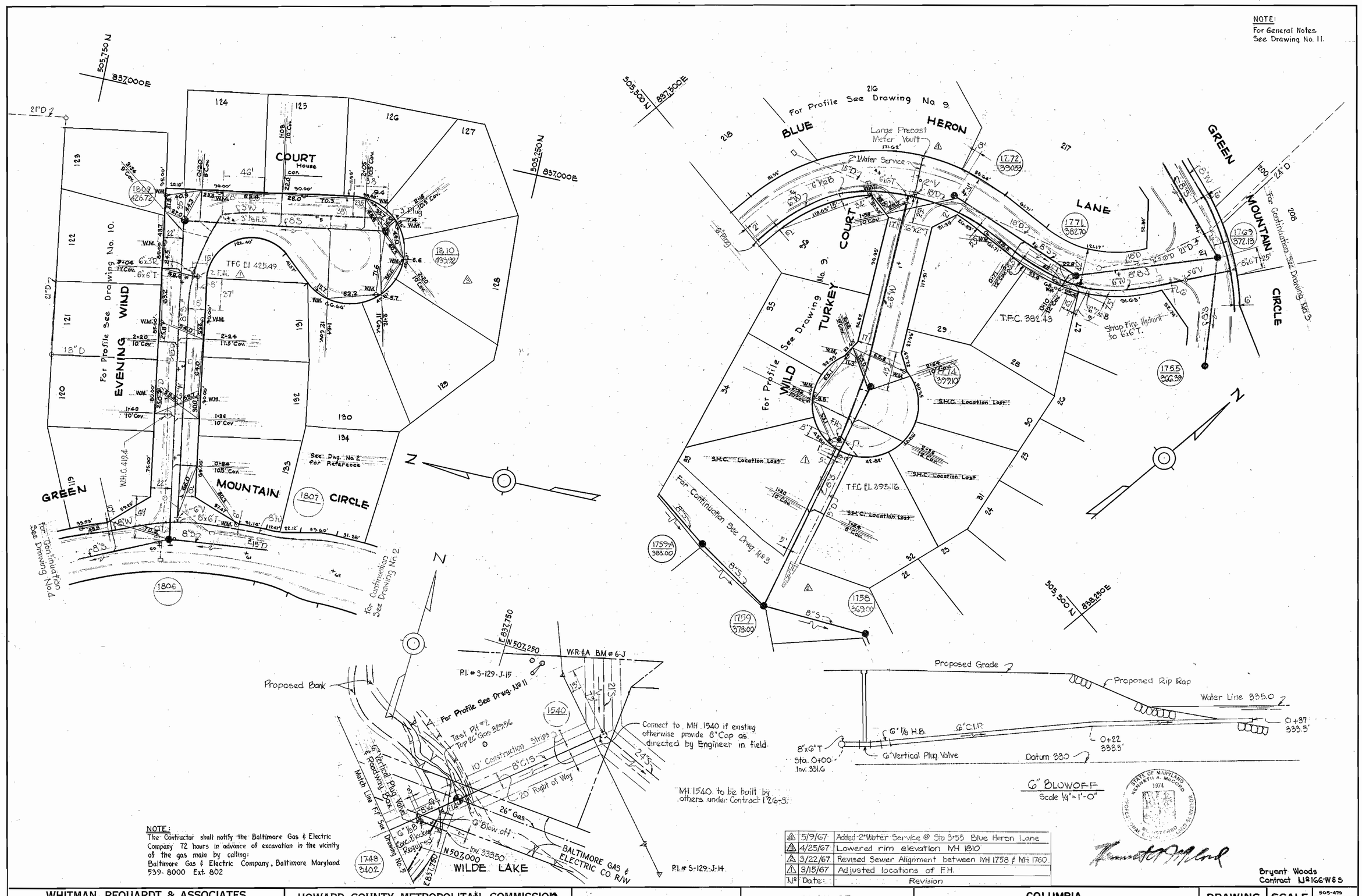
W. O. 5735

AS BUILT NOV. 9, 1967

3-15-67

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

WS 166 W.S/6



NOTE:
The Contractor shall notify the Baltimore Gas & Electric Company 72 hours in advance of excavation in the vicinity of the gas main by calling:
Baltimore Gas & Electric Company, Baltimore Maryland
539-8000 Ext. 802

No	Date	Revision
4	5/9/67	Added 2" Water Service @ Sta 3+55 Blue Heron Lane
3	4/25/67	Lowered rim elevation MH 1810
2	3/22/67	Revised Sewer Alignment between MH 1758 & MH 1760
1	3/15/67	Adjusted locations of F.H.

Bryant Woods
Contract No. 166-W&S

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION 12-16-66 DATE W O Filbert CHIEF ENGINEER	CONTRACT NO. 166-W&S	PLAN OF WATER & SEWER MAINS	COLUMBIA VILLAGE OF WILDE LAKE ELECTION DISTRICT-CLARKSVILLE NO. 5	DRAWING NO. 7 OF 11	SCALE 1"=50'

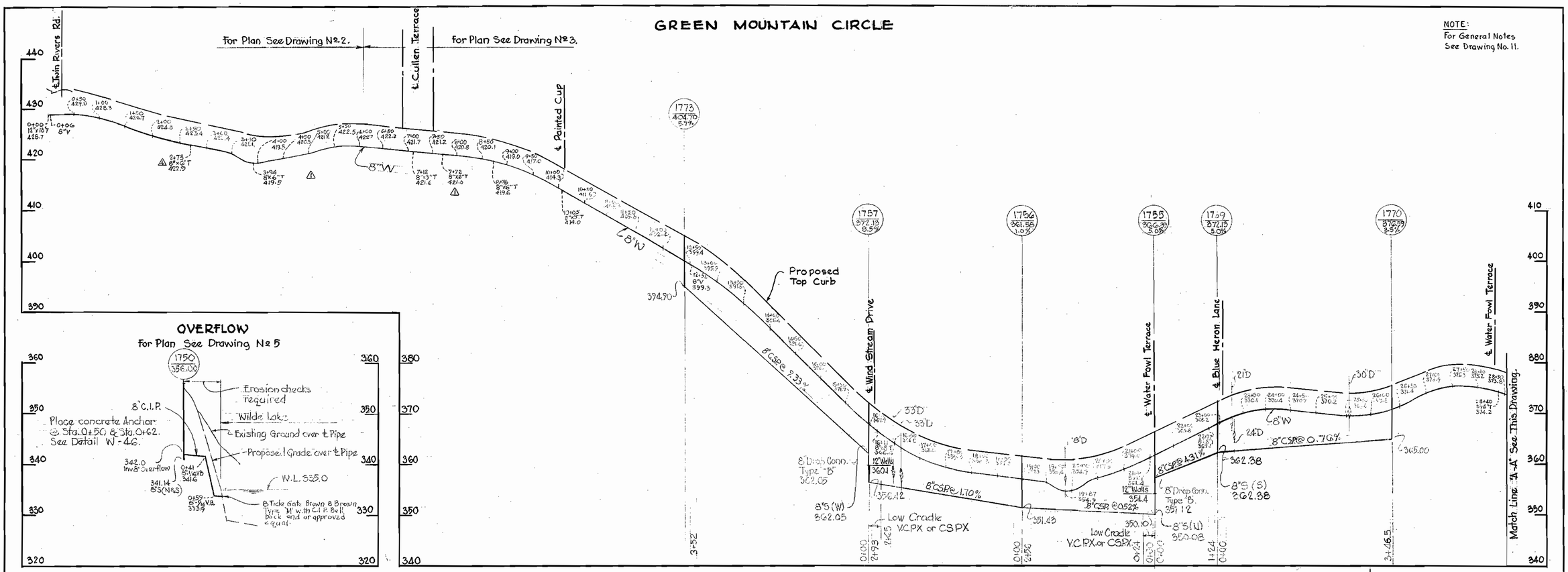
W. O. 5735

AS BUILT NOV. 9, 1967

5-9-67

WS 166 W.S.17

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



5-22-67	Added 8"x6"T @ ℄ Sta. 2+73	4/5/67	Added 8"S @ MH 1802	3-7-67	Lowered Grade & W.M. & added 8"x6"T on Green Mt. Circle
		3/15/67	Added 8"x8"T & 8" Channel @ MH 1802	No. Date	Revision

Bryant Woods
Contract No. 166-W&S

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION 12-16-66 DATE W O Talbert CHIEF ENGINEER	CONTRACT NO. 166-W&S	PROFILES OF WATER & SEWER MAINS	COLUMBIA VILLAGE OF WILDE LAKE ELECTION DISTRICT-CLARKSVILLE No. 5	DRAWING NO. 8 OF 11	SCALE H-1"=100' V-1"=10'

W. O. 5735

AS BUILT NOV. 9, 1967

4-5-67

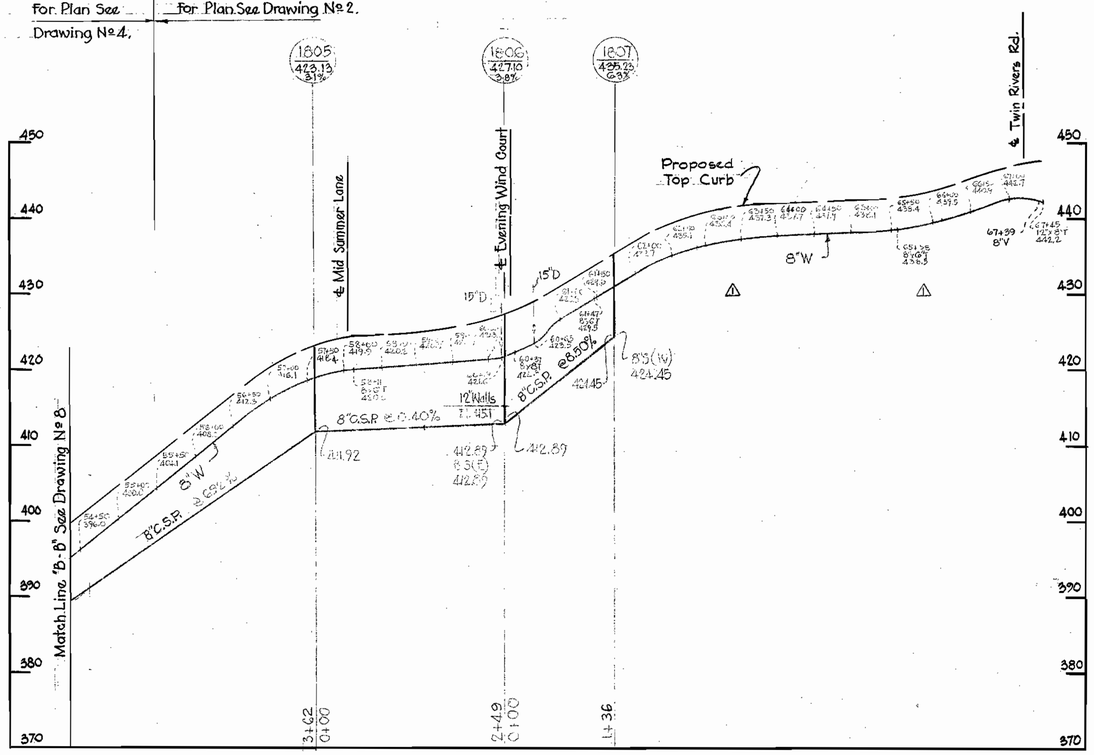
B. K. ELLIOTT CO., PGH., PA. REORDER A-33371

WS 166 W.S/8

GREEN MOUNTAIN CIRCLE

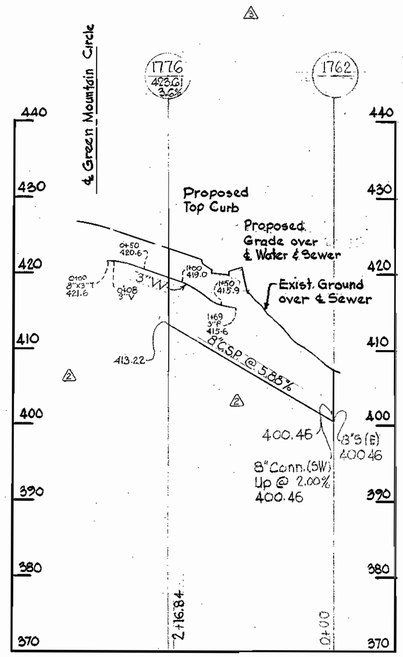
For Plan See Drawing No. 4.

For Plan See Drawing No. 2.



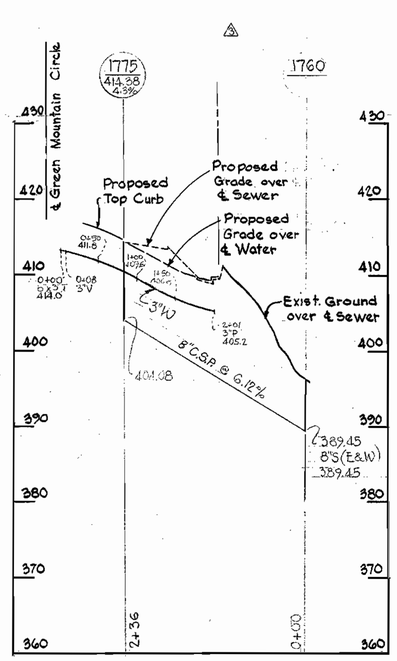
CULLEN TERRACE

For Plan See Drawing No. 3.



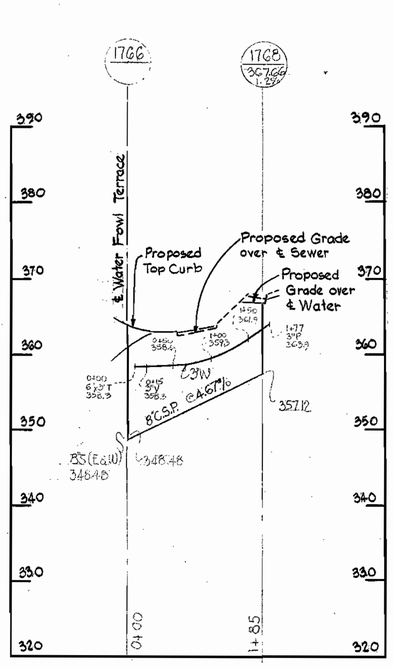
PAINTED CUP

For Plan See Drawing No. 3.



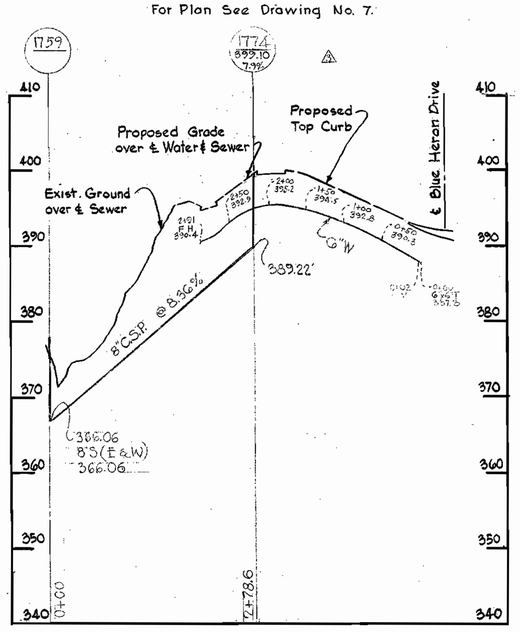
GRAY OWL GARTH

For Plan See Drawing No. 5.



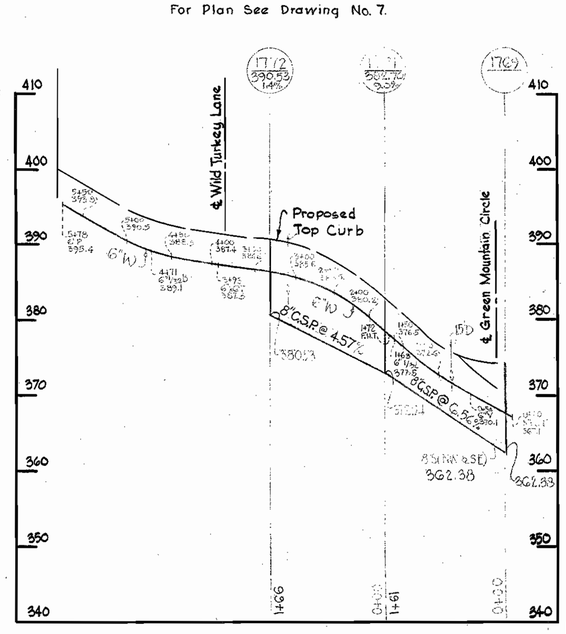
WILD TURKEY LANE

For Plan See Drawing No. 7.



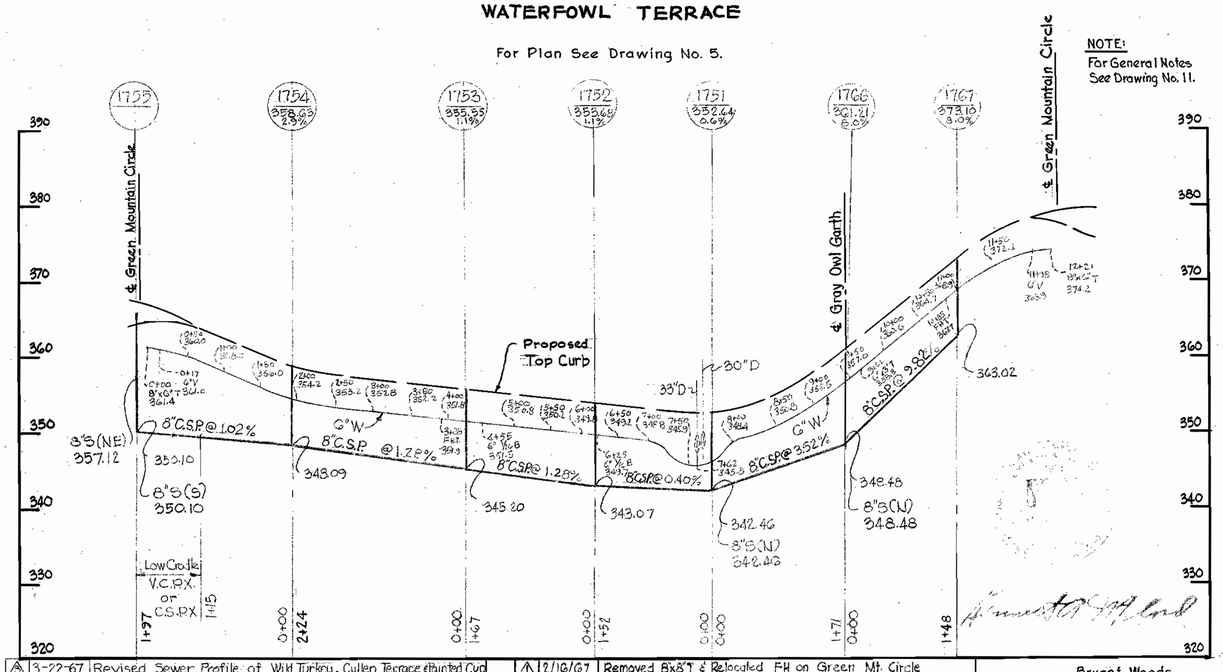
BLUE HERON LANE

For Plan See Drawing No. 7.



WATERFOWL TERRACE

For Plan See Drawing No. 5.



NOTE:
For General Notes See Drawing No. 11.

No	Date	Revision
3	2/16/67	Removed 8"x8"T & Relocated F.H on Green Mt. Circle
2	3-22-67	Revised Sewer Profile of Wild Turkey, Cullen Terrace & Painted Cup
1	3-7-67	Lowered Grade, Water & Sewer on Cullen Terrace

Bryant Woods
Contract No. 166-W&S

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

HOWARD COUNTY METROPOLITAN COMMISSION
12-16-66 DATE
CHIEF ENGINEER

CONTRACT NO. 166-W&S

PROFILES OF
WATER & SEWER MAINS

COLUMBIA
VILLAGE OF WILDE LAKE
ELECTION DISTRICT-CLARKSVILLE No. 5

DRAWING NO. 9 OF 11

SCALE
H-1"=100'
V-1"=10'

W. O. 57.35

AS BUILT ...NOV. 9, 1967

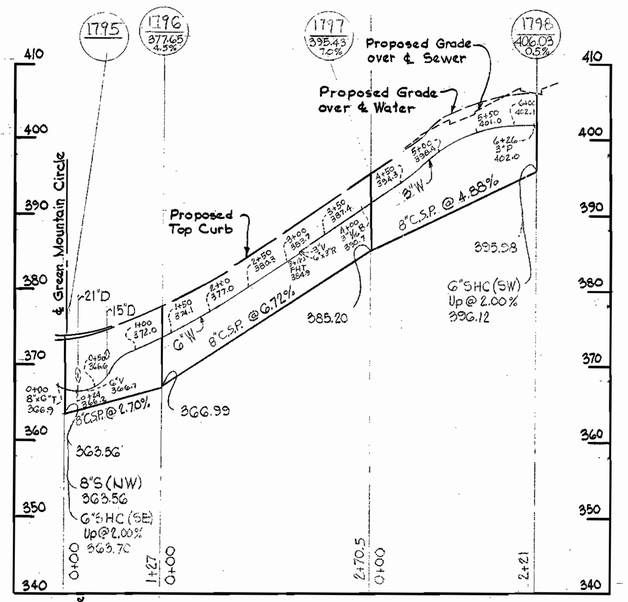
3-22-67

WS 166 W.S. 9

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

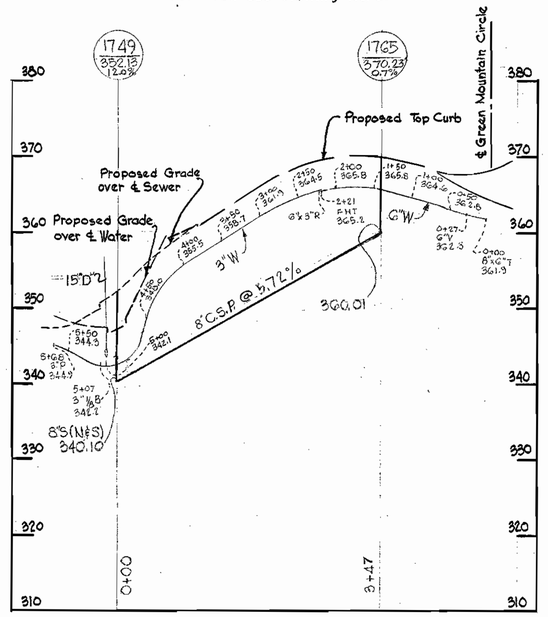
WILLIAM TELL LANE

For Plan See Drawing No. 3



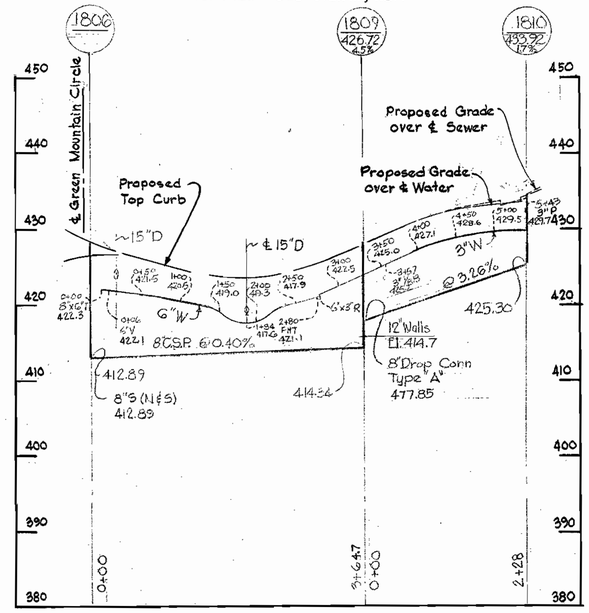
CATTERSKILL COURT

For Plan See Drawing No. 5.



EVENING WIND COURT

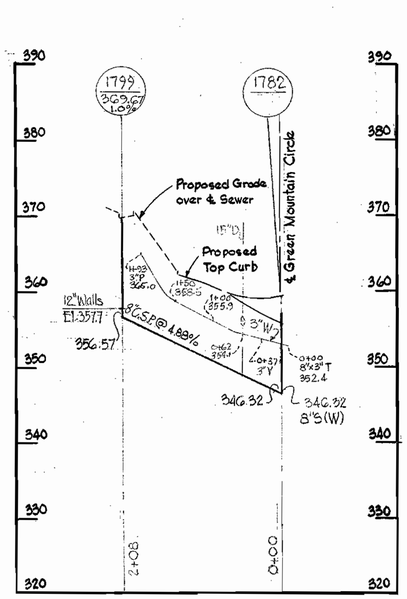
For Plan See Drawing No. 7



NEW MOON PLACE

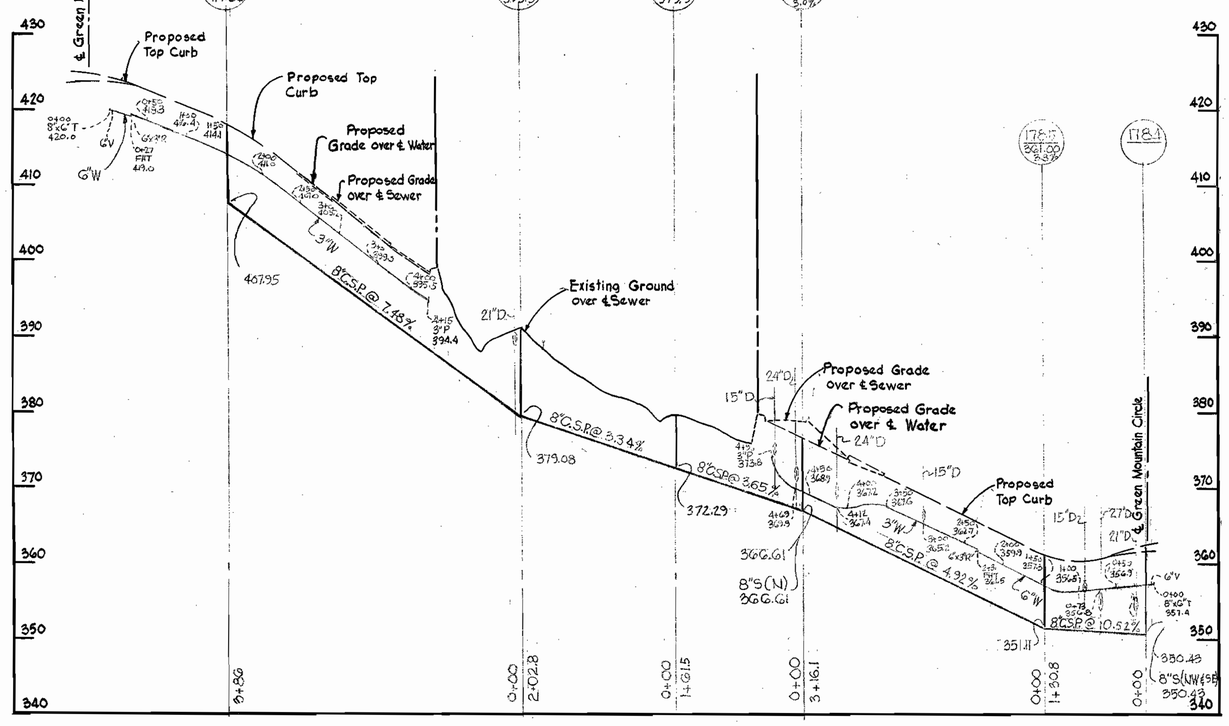
For Plan See Drawing No. 4.

NOTE:
For General Notes See Drawing No. 11.



MID SUMMER LANE

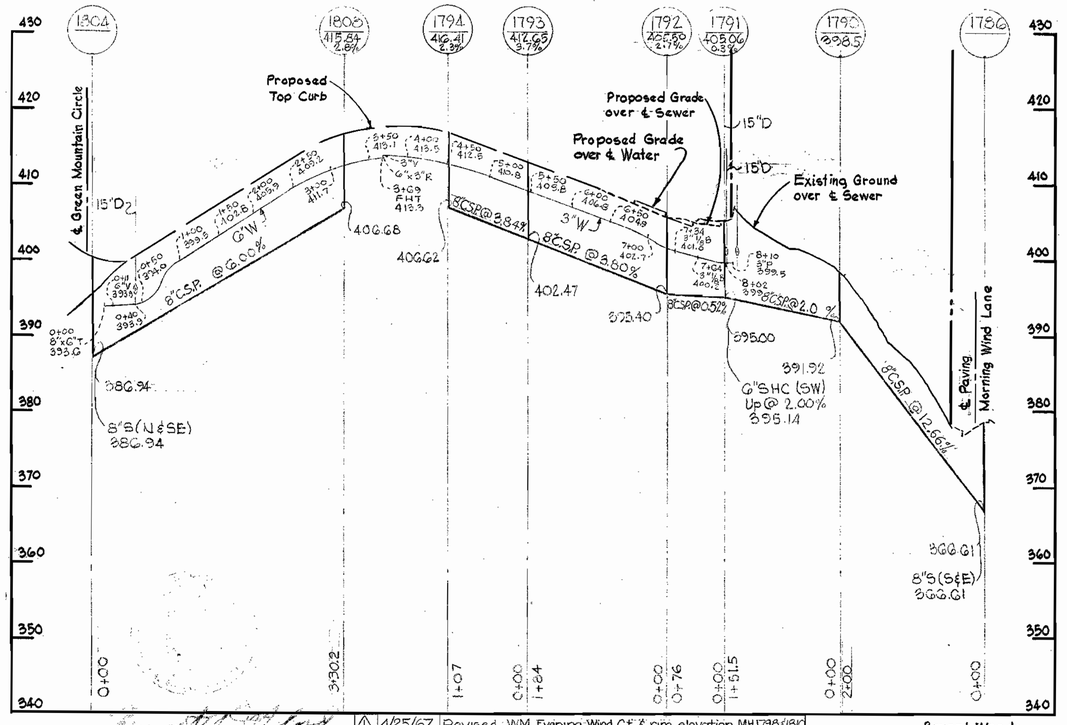
For Plan See Drawing No. 6.



MORNING WIND LANE

RAIN DREAM HILL

For Plan See Drawing No. 6.



WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION 12-16-66 (DATE) W O Gilbert (CHIEF ENGINEER)	CONTRACT NO. 166-W&S	PROFILES OF WATER & SEWER MAINS	COLUMBIA VILLAGE OF WILDE LAKE ELECTION DISTRICT-CLARKSVILLE No. 5	DRAWING NO. 10 OF 11	SCALE H-1"=100' V-1"=10'

No.	Date:	Revision
1	4/25/67	Revised W.M. Evening Wind Ct & rim elevation MH1798/1810

Bryant Woods
Contract No. 166-W&S

W. O. 5735

AS BUILT NOV. 9, 1967

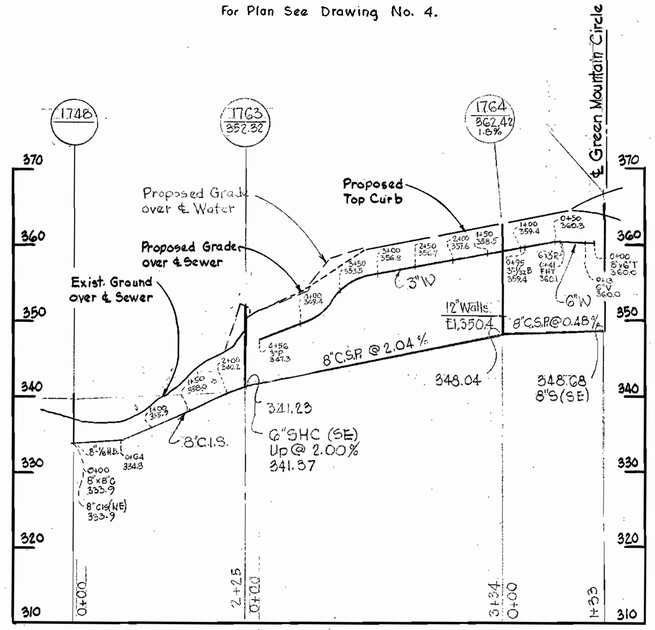
4-25-67

WS 166 W.S/10

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

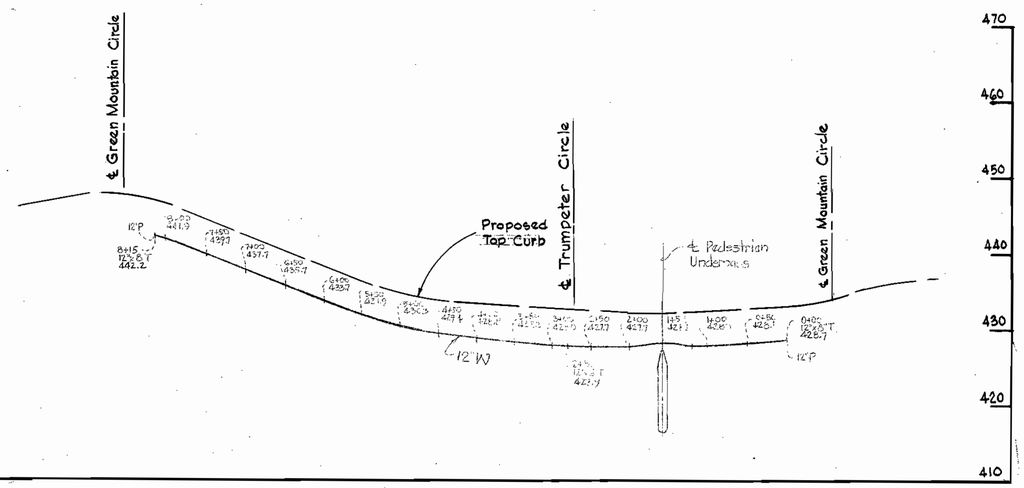
RIVULET ROW

For Plan See Drawing No. 4.



TWIN RIVERS ROAD

For Plan See Drawing No 2

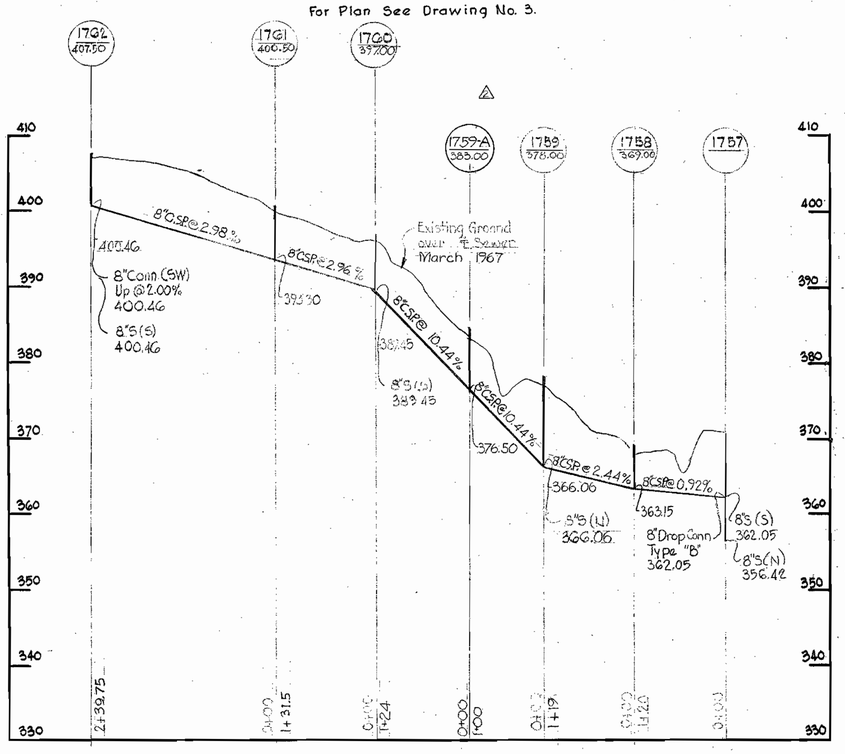


GENERAL NOTES

1. Approximate location of existing utilities are shown. The Contractor shall take all necessary precautions to protect the existing utilities and to maintain uninterrupted service. Any Damage incurred due to Contractor's operations shall be repaired immediately at the Contractor's expense.
2. All pipe elevations shown are invert ⊙ elevations.
3. The Contractor shall test pit existing utilities, where directed by the Engineer, a minimum of two weeks in advance of construction operations.
4. For all details not shown on drawings see Standards bound in Specifications.
5. Block all fittings with concrete, see standard details bound in Specifications.
6. Buttress Fire Hydrants with concrete. Provide 3/4" copper pipe from drainhole to gravel bed for positive drainage. For Buttress dimensions use standard detail W-8, "Buttress for Caps."
7. Sewer Manholes shall be 4'-0" inside diameter except where otherwise noted.
8. All water mains to be cast iron pipe or ductile iron pipe.
9. Sewer house connections shall be 6" pipe sloped up at 2% from main sewer except where shown on plan as 1%.
10. Trees are to be protected against damage to the maximum extent reasonable. Trees which are to remain in streets and other rights of way will be marked by the Engineer prior to commencing of construction operations.
11. A pipe joint shall be provided in each sewer main 2'-0" from the exterior of manhole walls.
12. Water house connections shall be 3/4" diameter copper pipe 3 1/2 feet below established grade.
13. Construct channel in Manholes for all 6" S.H.C. entering therein.
14. Payment for strapping Fire Hydrants to be included in the unit price bid for Furnishing & laying Fire Hydrants.
15. T.F.C. Elevations shown on the plans are Fire Hydrant Bury Line Elevations.

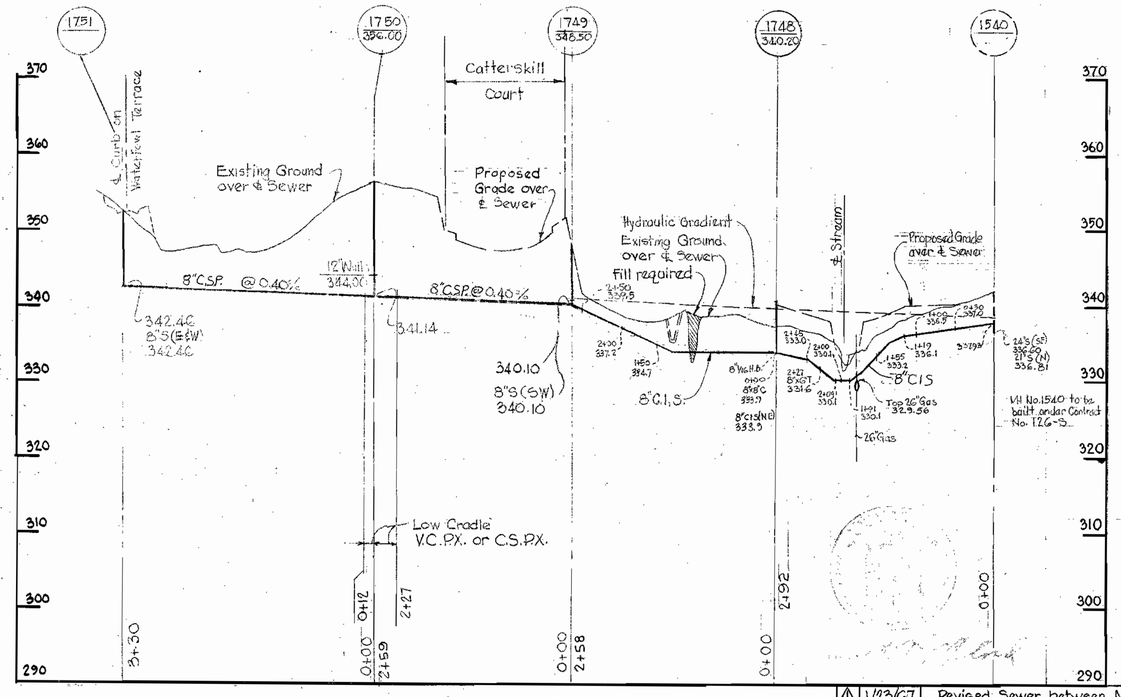
OUTFALL "A"

For Plan See Drawing No. 3.



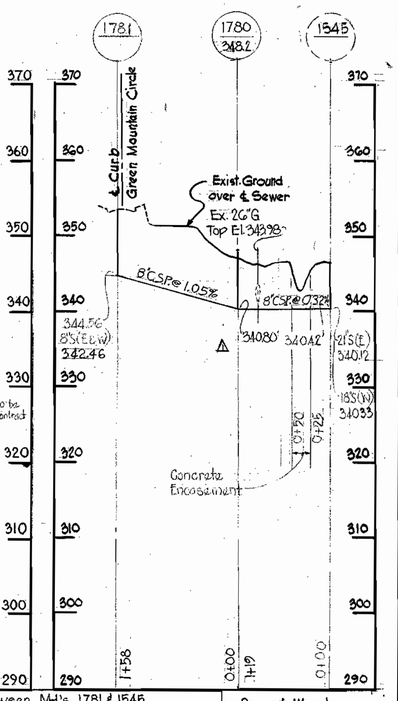
OUTFALL "B"

For Plan See Drawing No. 5.



OUTFALL "C"

For Plan See Drawing No. 4



△ 3/22/67	Revised Profile between MH 1757 and 1762	△ 1/23/67	Revised Sewer between MH's 1781 & 1545		Bryant Woods Contract No. 166-W&S
		No	Date	Revision	

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION 12-16-66 DATE W O Liebert CHIEF ENGINEER	CONTRACT NO. 166-W&S	PROFILES OF WATER & SEWER MAINS	COLUMBIA VILLAGE OF WILDE LAKE ELECTION DISTRICT-CLARKSVILLE No. 5	DRAWING NO. 11 OF 11	SCALE H-1"=100' V-1"=10'

W. O. 5735

AS BUILT NOV. 9, 1967

3-22-67

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

CM 166 W&S 11