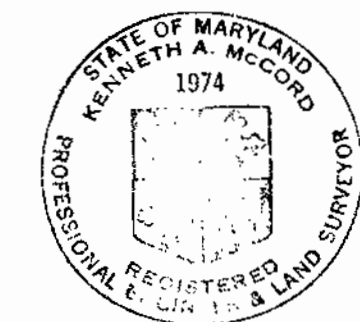


CONTRACT 166-W&S
WATER & SEWER EXTENSIONS
HOWARD COUNTY METROPOLITAN COMMISSION
ELLICOTT CITY, MARYLAND



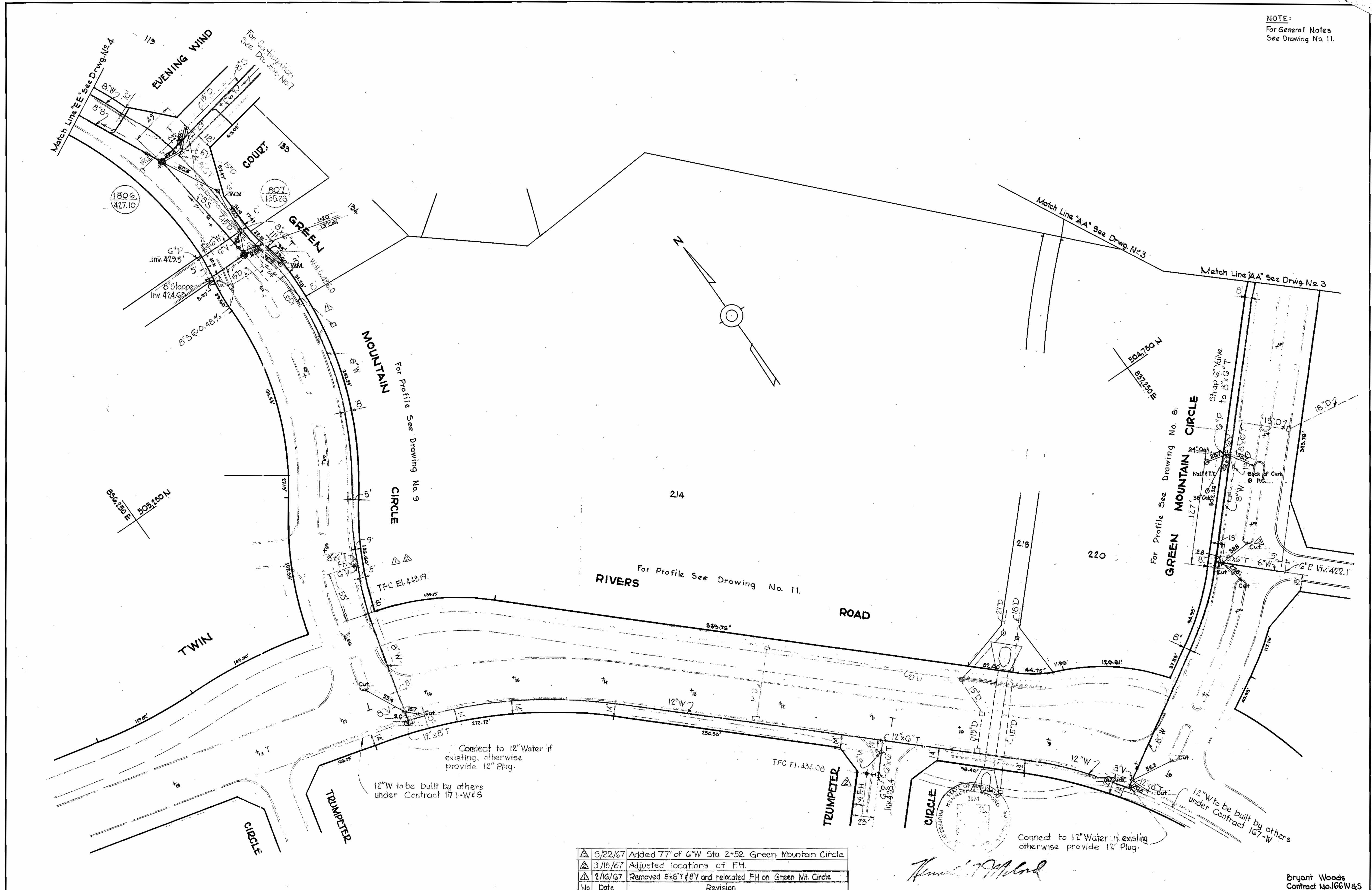
Kenneth A. McCord

Bryant Woods
Contract No. 166-W&S

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION DATE: 12-16-76 <i>W. O. Salvo</i> 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
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W-S 166 W&S / 1

NOTE:
For General Notes
See Drawing No. 11.



△	5/22/67	Added 77' of 6\"/>
△	3/15/67	Adjusted locations of F.H.
△	2/16/67	Removed 6x8\"/>
No	Date	Revision

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

HOWARD COUNTY METROPOLITAN COMMISSION
12-16-66
DATE
W. O. Lubitz
CHIEF ENGINEER

CONTRACT NO. 166-W&S

PLAN OF
WATER & SEWER MAINS

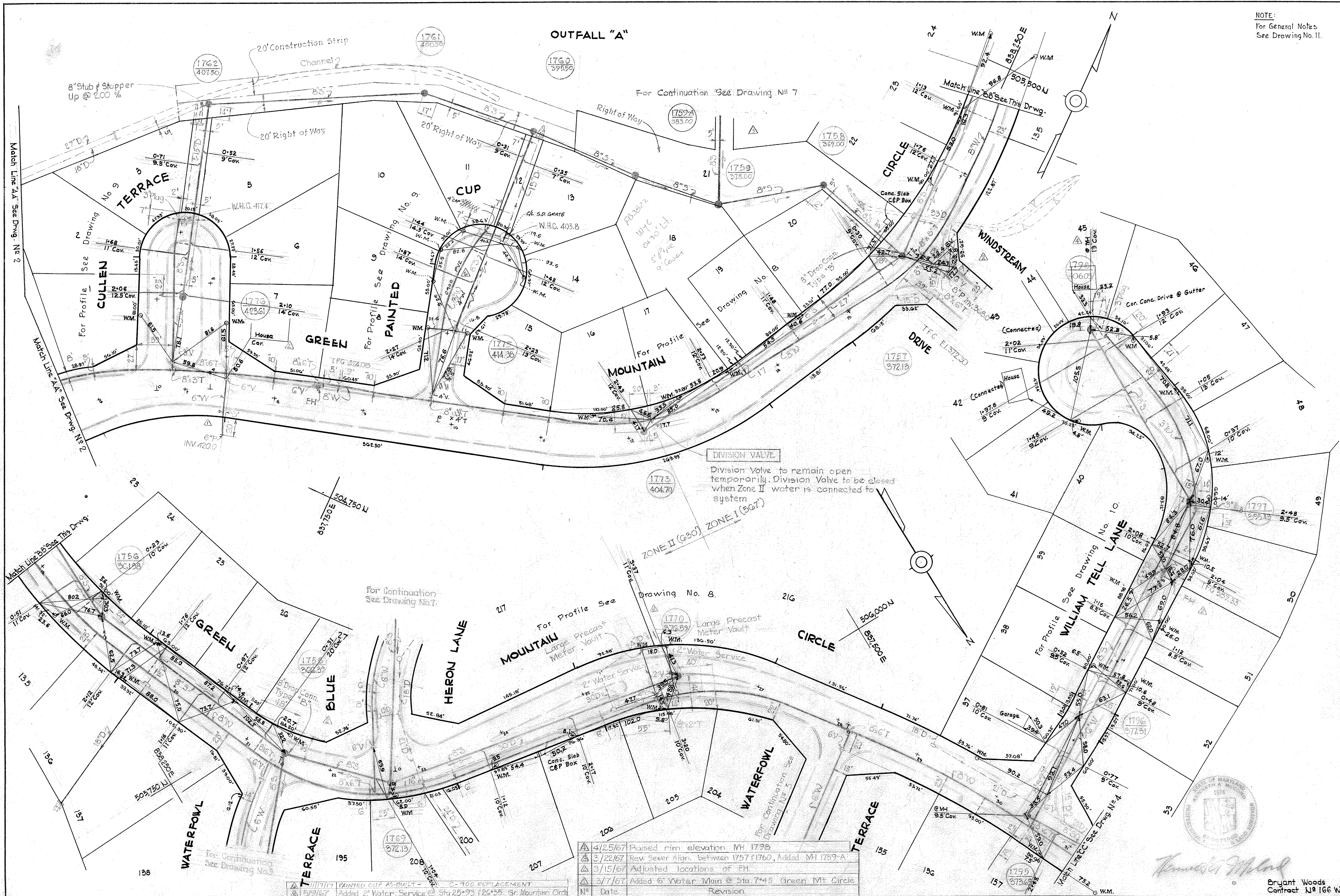
COLUMBIA
VILLAGE OF WILDE LAKE
ELECTION DISTRICT-CLARKVILLE NO. 5

DRAWING NO. 2 OF 11
SCALE 1\"/>

Bryant Woods
Contract No. 166W&S

WS 166 W&S/2

NOTE:
For General Notes
See Drawing No. 11.



4/25/67	Raised rim elevation MH 1798
3/22/67	Rev. Sewer Align. between 1757 & 1760, Added MH 1759-A
3/15/67	Adjusted locations of FH
3/7/67	Added 6" Water Main @ Sta 7+45 Green Mt Circle
N/A	Date
	Revision

PAINTED CUP AS-BUILT - C-900 REPLACEMENT
5/7/67 Added 2" Water Service @ Sta 25+25 (26+35) Gr. Mountain Circle

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

HOWARD COUNTY METROPOLITAN COMMISSION
12-16-66 DATE
W. O. Lubat CHIEF ENGINEER

CONTRACT NO. 166-W&S

PLAN OF
WATER & SEWER MAINS

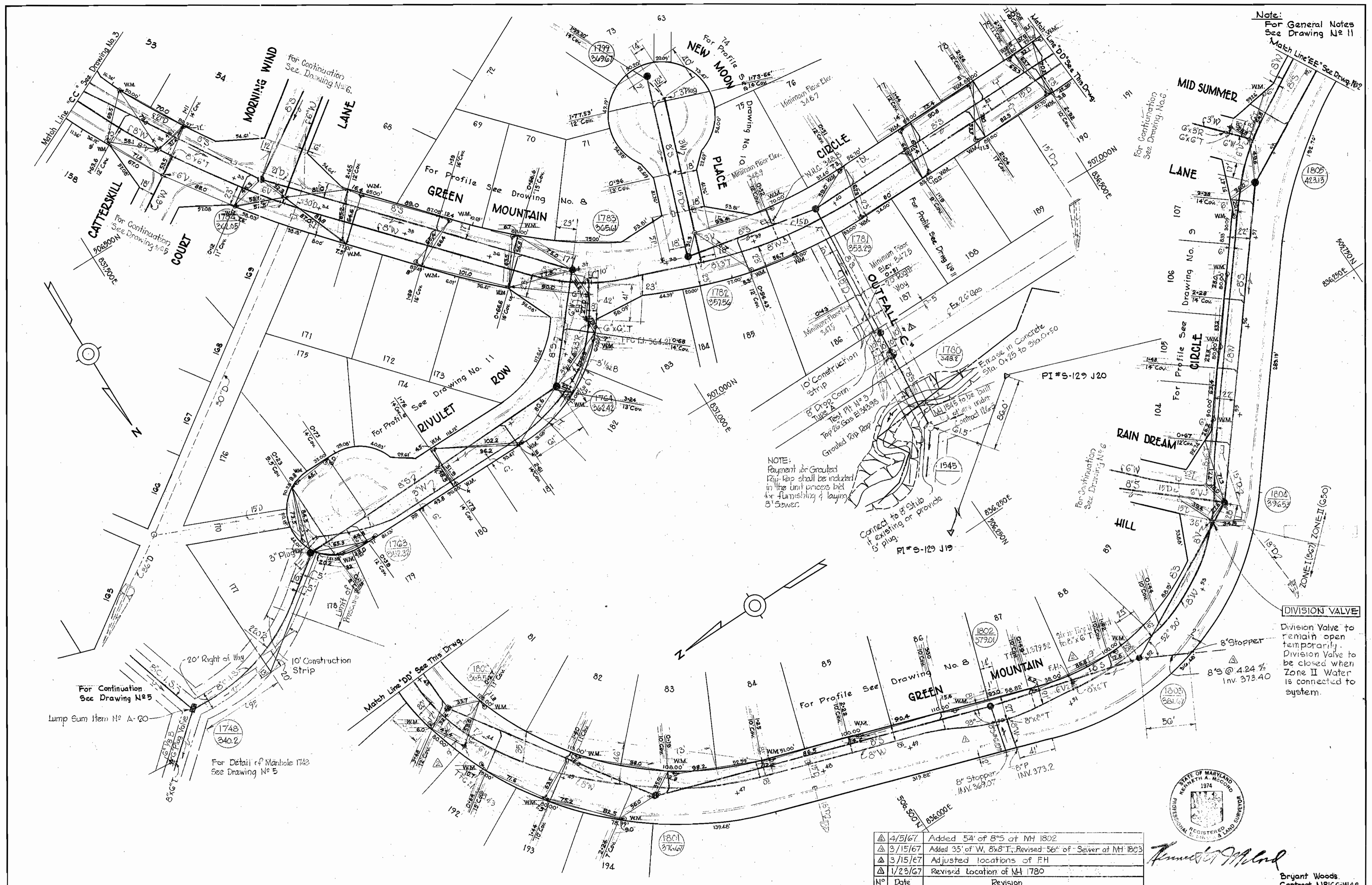
COLUMBIA
VILLAGE OF WILDE LAKE
ELECTION DISTRICT-CLARKSVILLE NO. 5

DRAWING NO. 3 OF 11
SCALE 1"=50'
504-479
505-479
506-479

W. O. 5735 AS BUILT NOV. 9, 1967 NOV. 17, 2017

WS 166 W&S/3

Note:
For General Notes
See Drawing No. 11



NOTE:
Payment for Grouted
Pipe Lap shall be included
in the unit prices bid
for furnishing & laying
8\"/>

DIVISION VALVE
Division Valve to
remain open
temporarily.
Division Valve to
be closed when
Zone II Water
is connected to
system.

No	Date	Revision
△	4/5/67	Added 54' of 8"5 at MH 1802
△	3/15/67	Added 35' of W, 8"8" T.; Revised 56' of Sewer at MH 1803
△	3/15/67	Adjusted locations of FH
△	1/23/67	Revised Location of MH 1780



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
W. O. Liburt
CHIEF ENGINEER

CONTRACT NO. 166-W & S

**PLAN OF
WATER & SEWER MAINS**

**COLUMBIA
VILLAGE OF WILDE LAKE
ELECTION DISTRICT-CLARKVILLE NO. 5**

**DRAWING NO. 4
OF 11**
SCALE 1"=50'

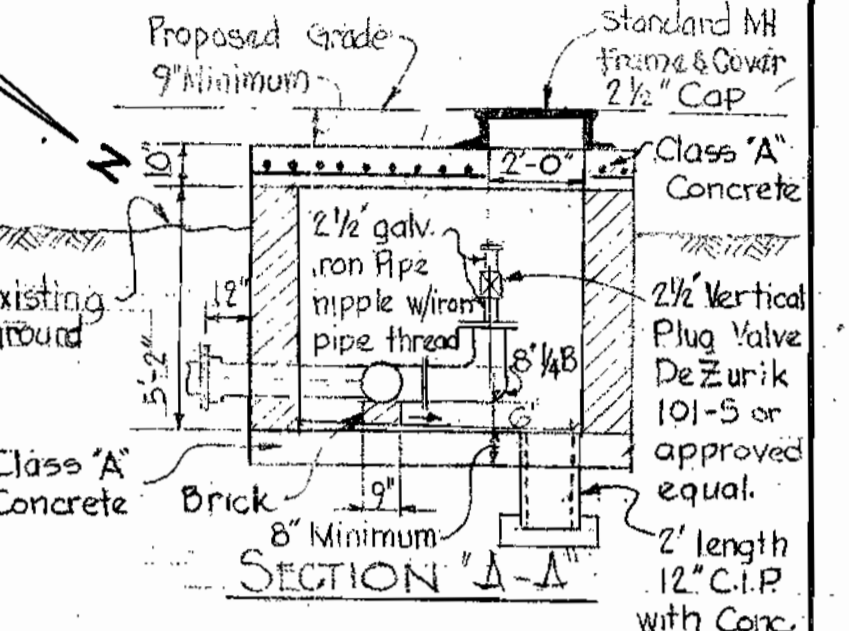
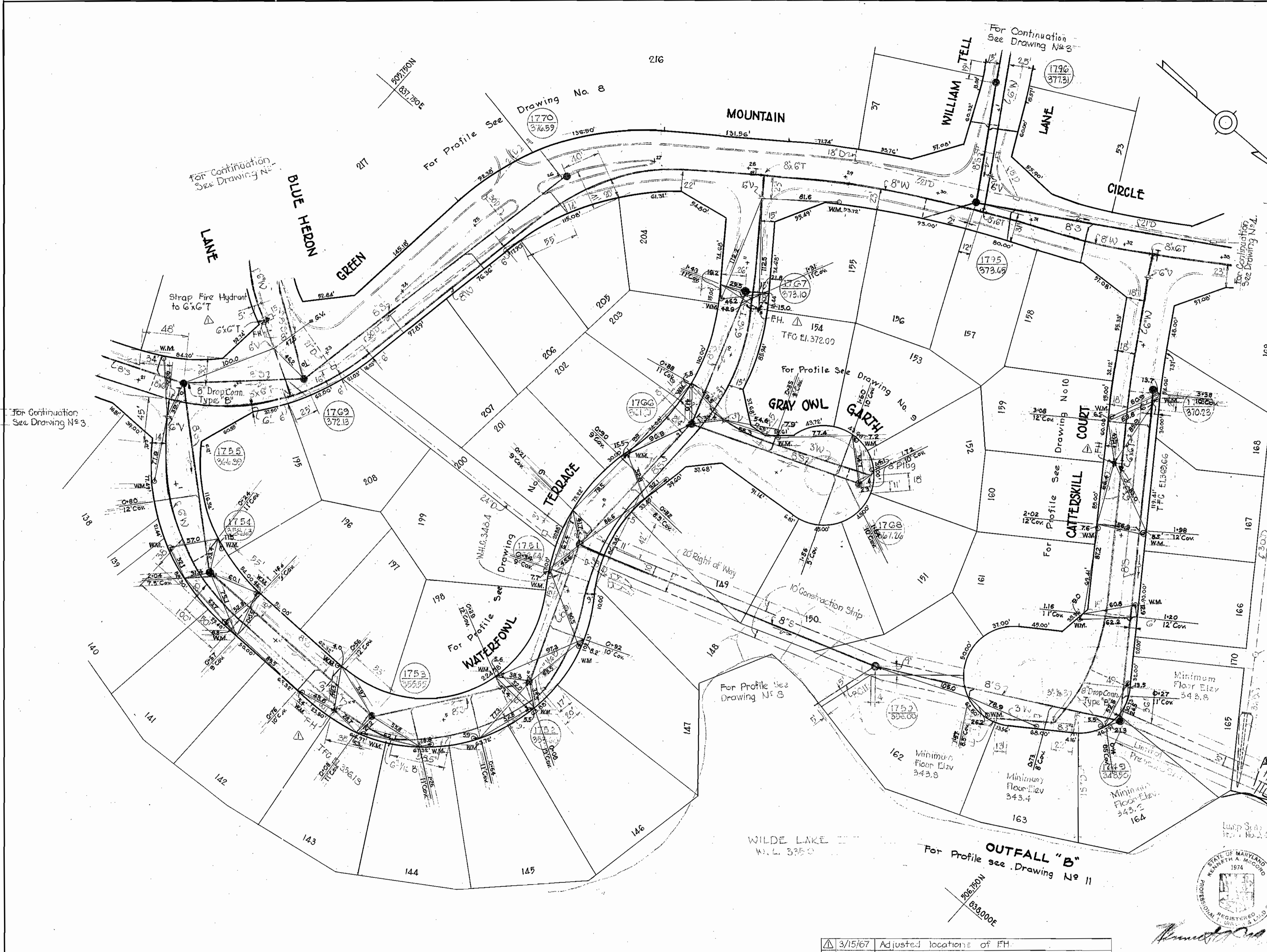
W. O. 5735

AS BUILT NOV. 9, 1967

4-5-67

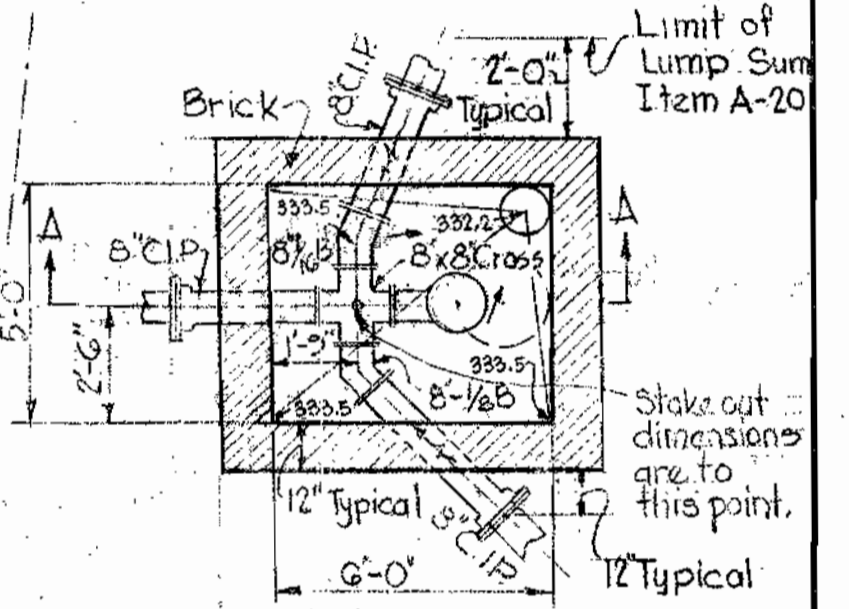
WS 166 W&S/4

NOTE:
For General Notes
See Drawing No. 11.



For Details not shown
See Standard Detail 5-3.

Note:
Pipe & Fittings within
MH 1748 to be flanged
C.I.P. Class 22 unless
otherwise noted.



PLAN
Top Slab Removed
DETAIL MH 1748
(LUMP SUM ITEM A-20)
Scale: 1/4" = 1'-0"



Bryant Woods
Contract No. 166-W&S

3/15/67	Adjusted locations of FH
N.P. Date:	Revision

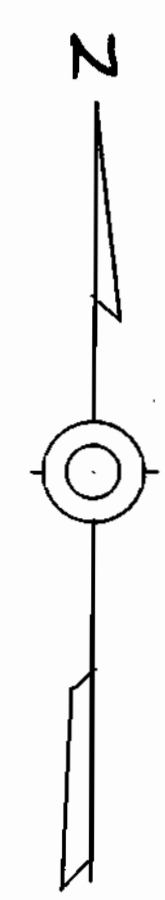
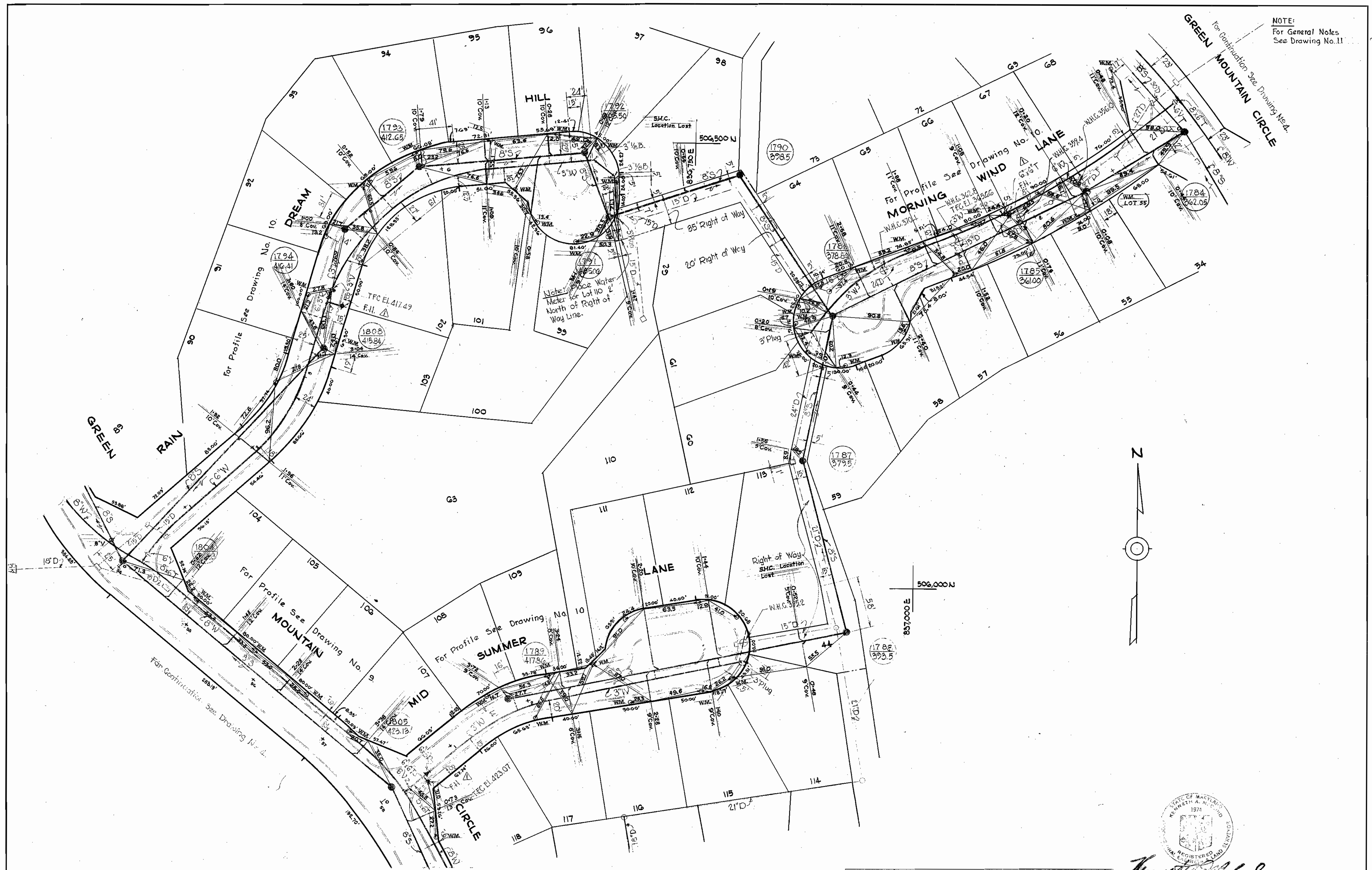
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION DATE: 12-16-66 <i>W. O. Whitman</i> CHIEF ENGINEER	CONTRACT NO. 166-W&S	PLAN OF WATER & SEWER MAINS	COLUMBIA VILLAGE OF WILDE LAKE ELECTION DISTRICT-CLARKVILLE NO.5	DRAWING NO. 5 OF 11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

W. O. 57.35

AS BUILT - NOV. 9, 1967

C / S.M. 991 CM

NOTE:
For General Notes
See Drawing No. 11



3/15/67 Adjusted locations of F.H.
NF Date: Revision

Kenneth A. M. Wood
REGISTERED PROFESSIONAL LAND SURVEYOR
KENNETH A. M. WOOD
1974

Bryant Woods
Contract N166-W&S

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION 12-16-66 <i>W. O. Libbut</i> DATE CHIEF ENGINEER	CONTRACT NO. 166-W&S	PLAN OF WATER & SEWER MAINS	COLUMBIA VILLAGE OF WILDE LAKE ELECTION DISTRICT-CLARKVILLE NO. 5	DRAWING NO. 6 OF 11	SCALE 1"=50' 500-479 505-479 506-478 508-478
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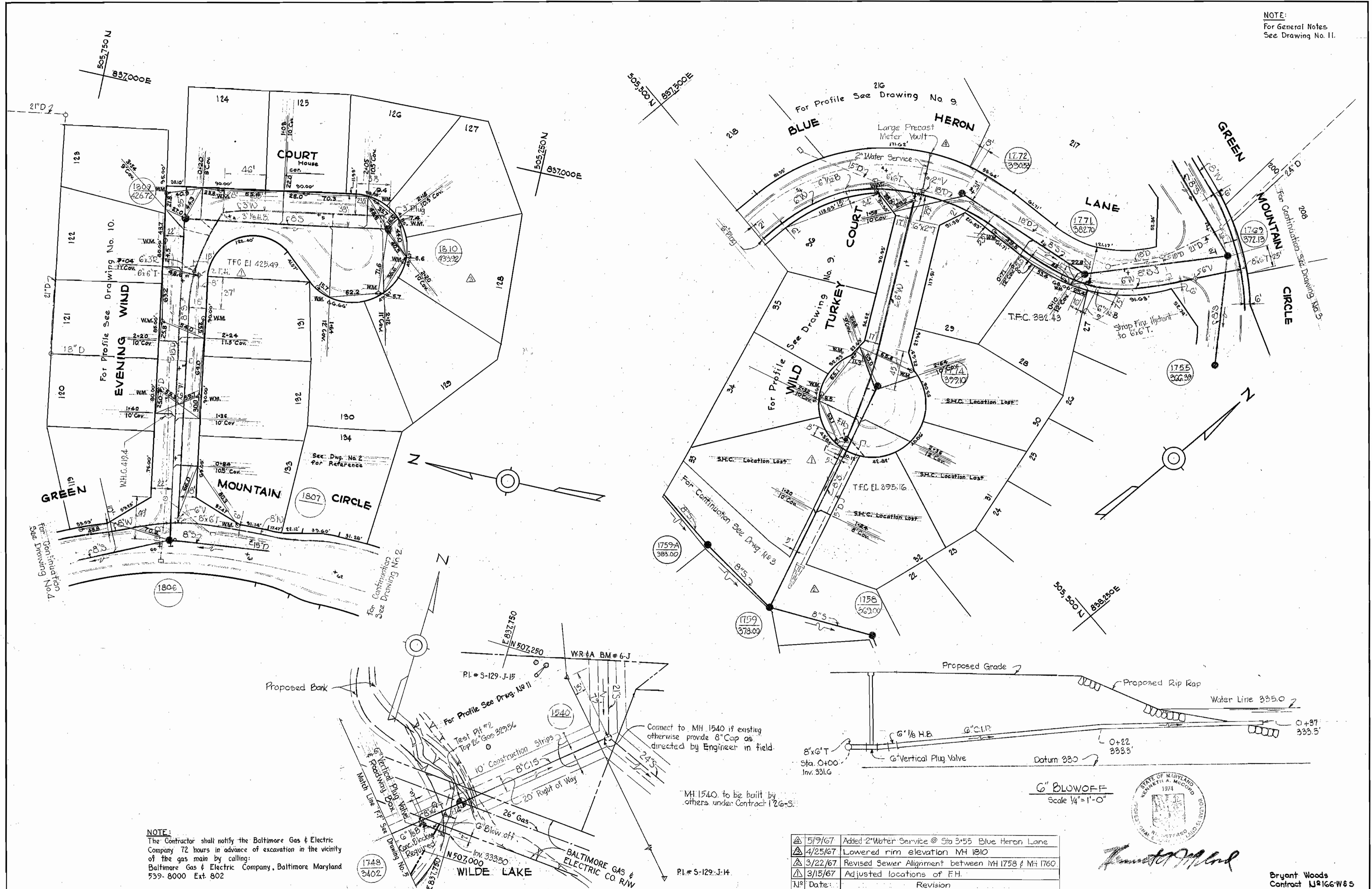
W. O. 5735

AS BUILT - NOV. 9, 1967

3-15-67

WS 106 W&S/10

NOTE:
For General Notes
See Drawing No. 11.



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

▲	5/9/67	Added 2" Water Service @ Sta 3+55 Blue Heron Lane
▲	4/25/67	Lowered rim elevation MH 1810
▲	3/22/67	Revised Sewer Alignment between MH 1758 & MH 1760
▲	3/15/67	Adjusted locations of F.H.
N#	Date:	Revision



Kenneth A. McCord

Bryant Woods
Contract U#166-W&S

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION DATE: 12-16-66 <i>W. O. Libert</i> CHIEF ENGINEER	CONTRACT NO. 166-W&S	PLAN OF WATER & SEWER MAINS	COLUMBIA VILLAGE OF WILDE LAKE ELECTION DISTRICT-CLARKVILLE NO. 5	DRAWING NO. 7 OF 11	SCALE 1"=50'
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W. O. 5735

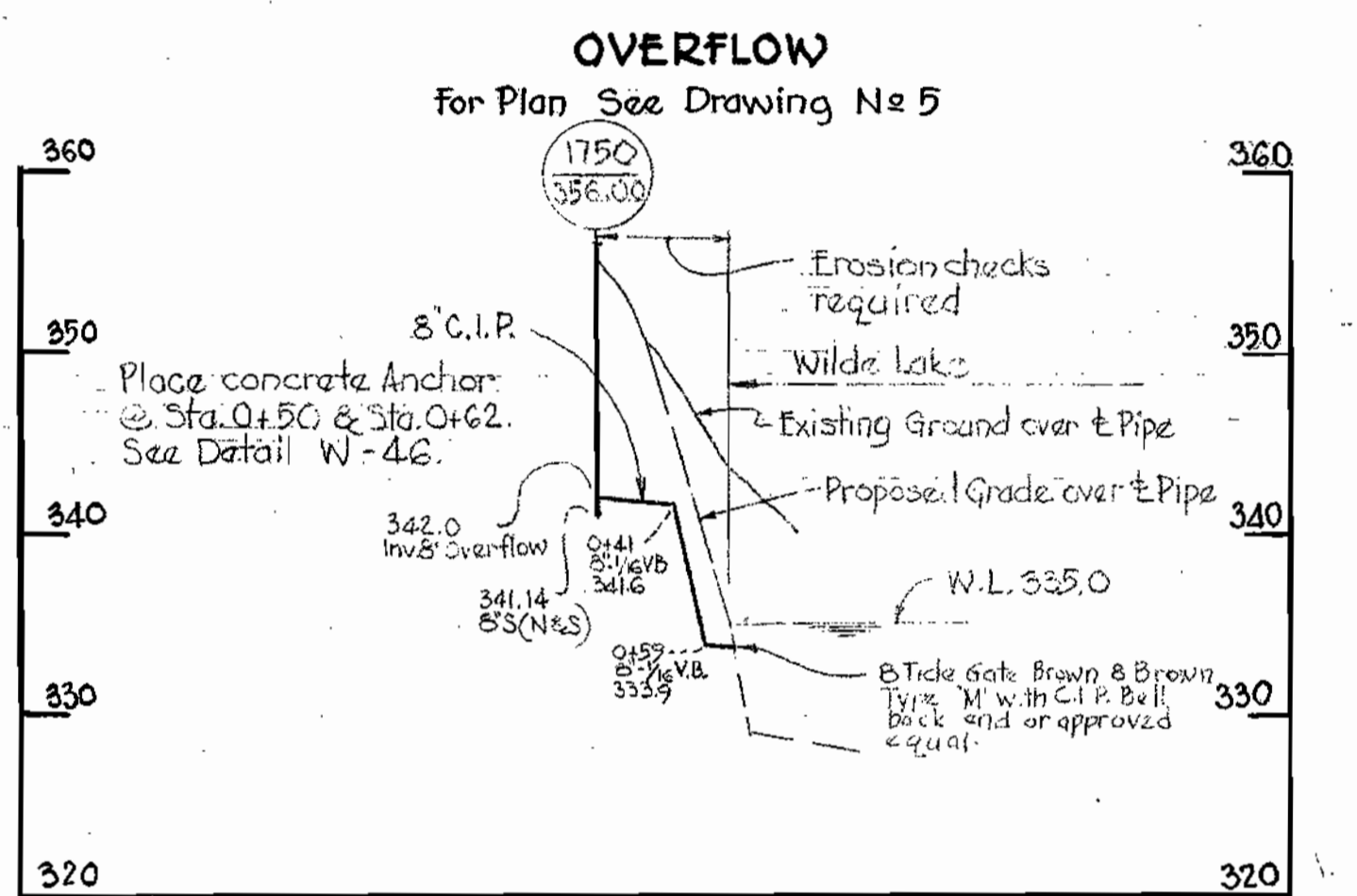
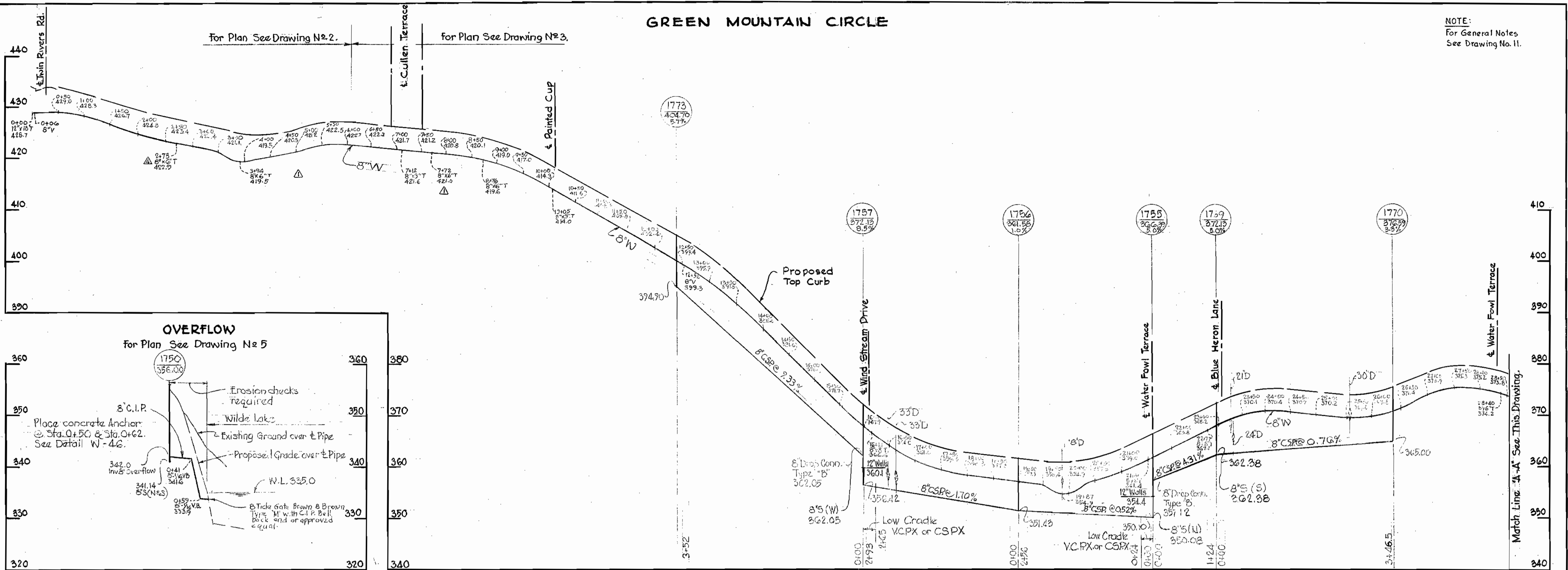
AS BUILT NOV. 9, 1967

5-7-67

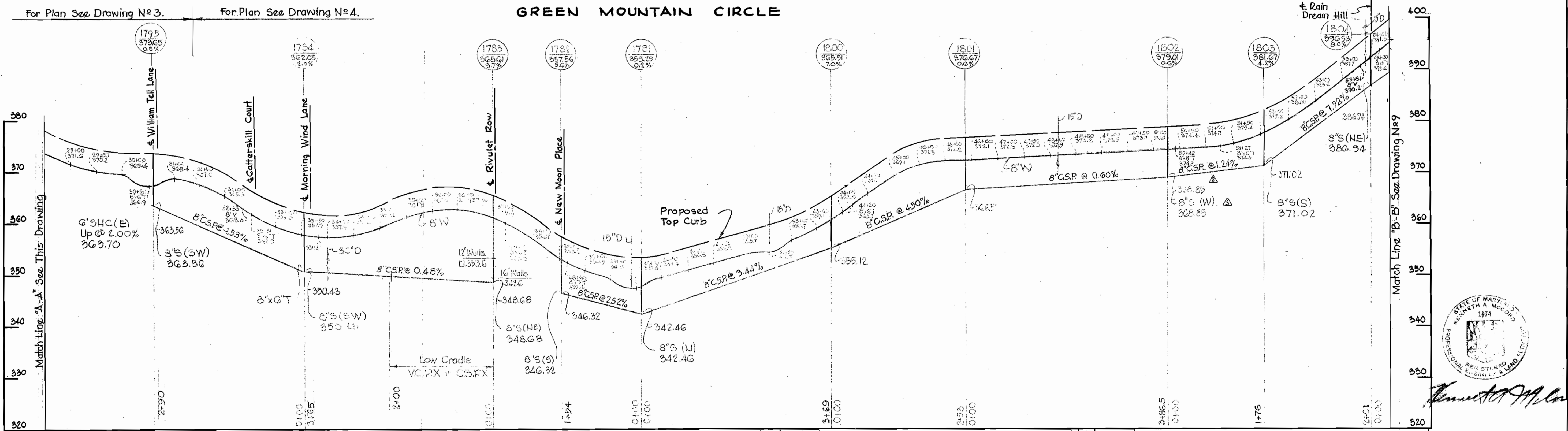
WS 166 W&S/7

GREEN MOUNTAIN CIRCLE

NOTE:
For General Notes
See Drawing No. 11.



GREEN MOUNTAIN CIRCLE



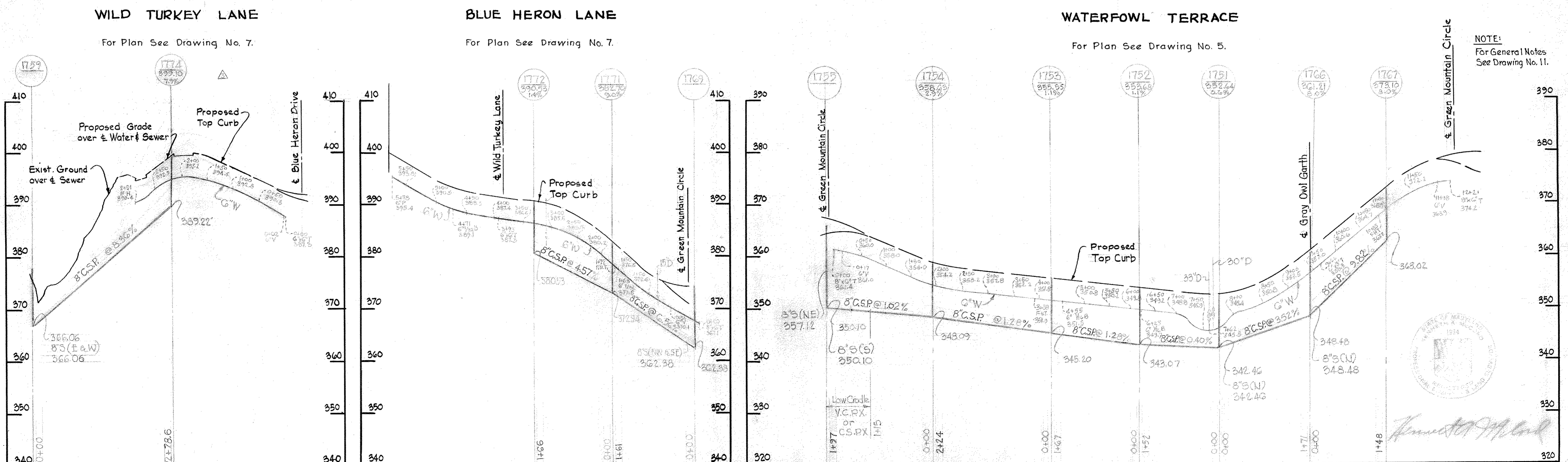
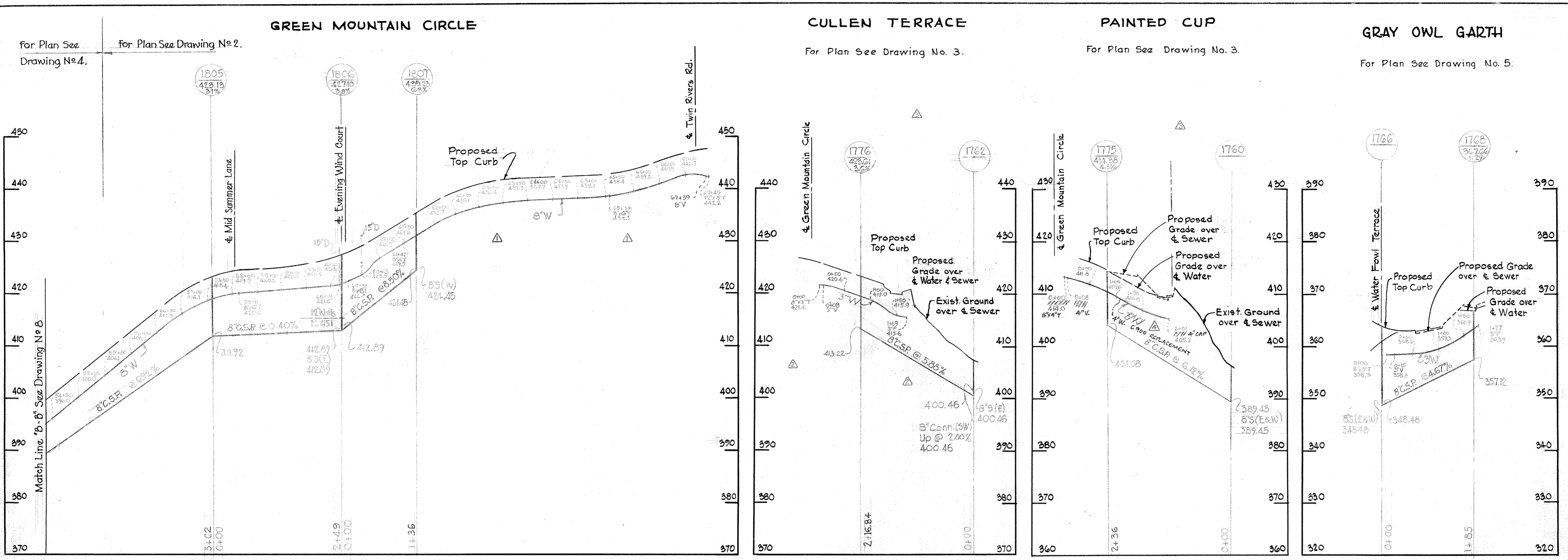
Bryant Woods

- 5-22-67 Added 8"x8" T & Sta 2+73
- 4/5/67 Added 8" S @ MH 1802
- 5/15/67 Added 8"x8" T & 8" Channel @ MH 1802
- 3-7-67 Lowered Grade & V.M.I. & added 8"x6" T. 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 DATE 12-16-66 <i>W. O. Lubert</i> CHIEF ENGINEER	CONTRACT NO. 166-W&S PROFILES OF WATER & SEWER MAINS	COLUMBIA VILLAGE OF WILDE LAKE ELECTION DISTRICT-CLARKSVILLE No. 5
W. O. 5735		DRAWING NO. 8 OF 11 SCALE H-1"=100' V-1"=10' BUILT NOV. 9, 1967	

WS 166 W&S



NOTE:
For General Notes
See Drawing No. 11.

11/17/2017 PAINTED CUP AS-BUILT C900 REPLACEMENT

3-22-67 Revised Sewer Profile of Wild Turkey, Cullen Terrace & Painted Cup
3-7-67 Lowered Grade, Water & Sewer on Cullen Terrace

2/16/67 Removed 8x8" & Replaced 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
DATE 12-16-66
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. 5735

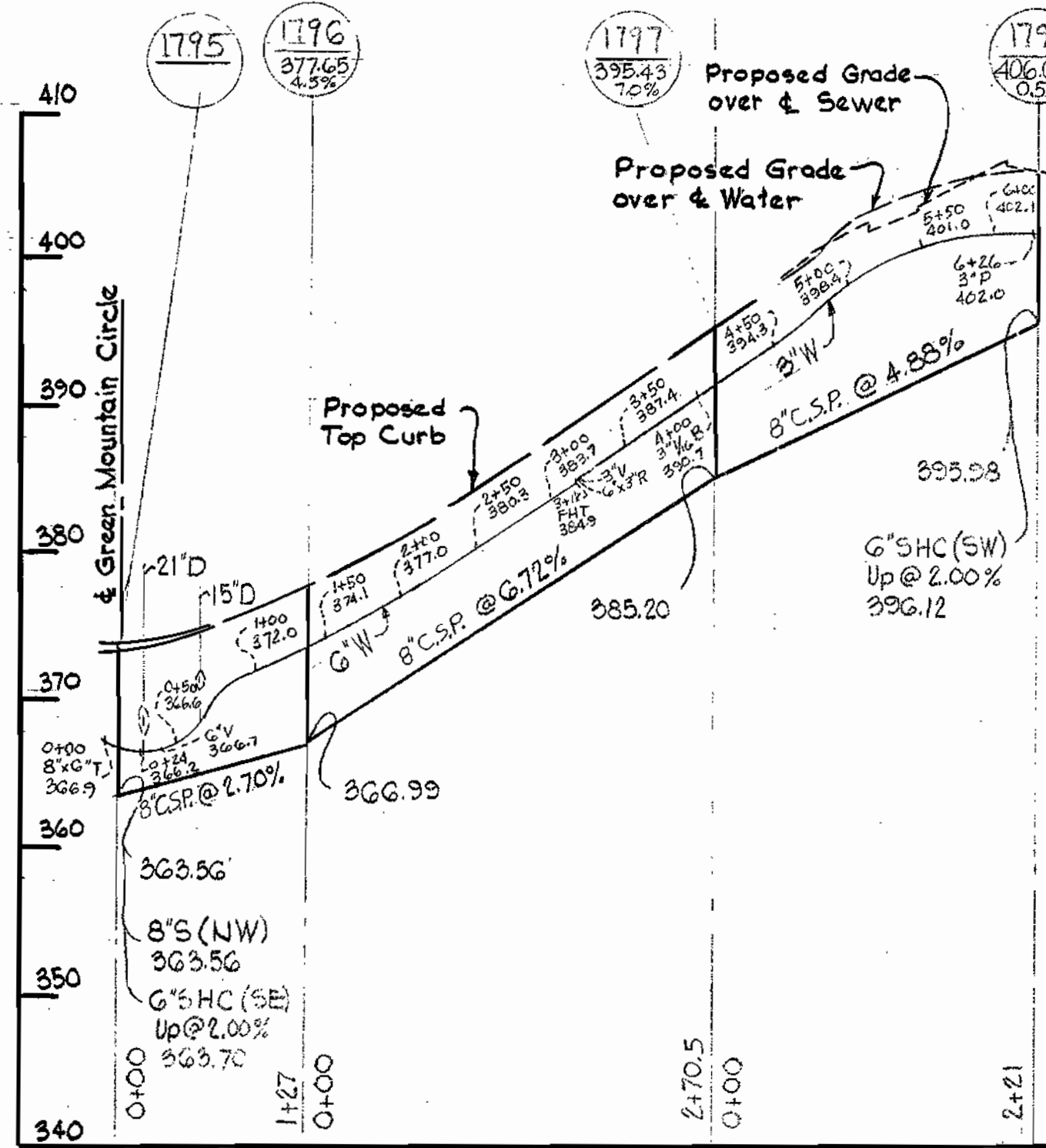
AS BUILT NOV. 9, 1967
NOV. 17, 2017

3-22-67

MS 166 W & S / 9

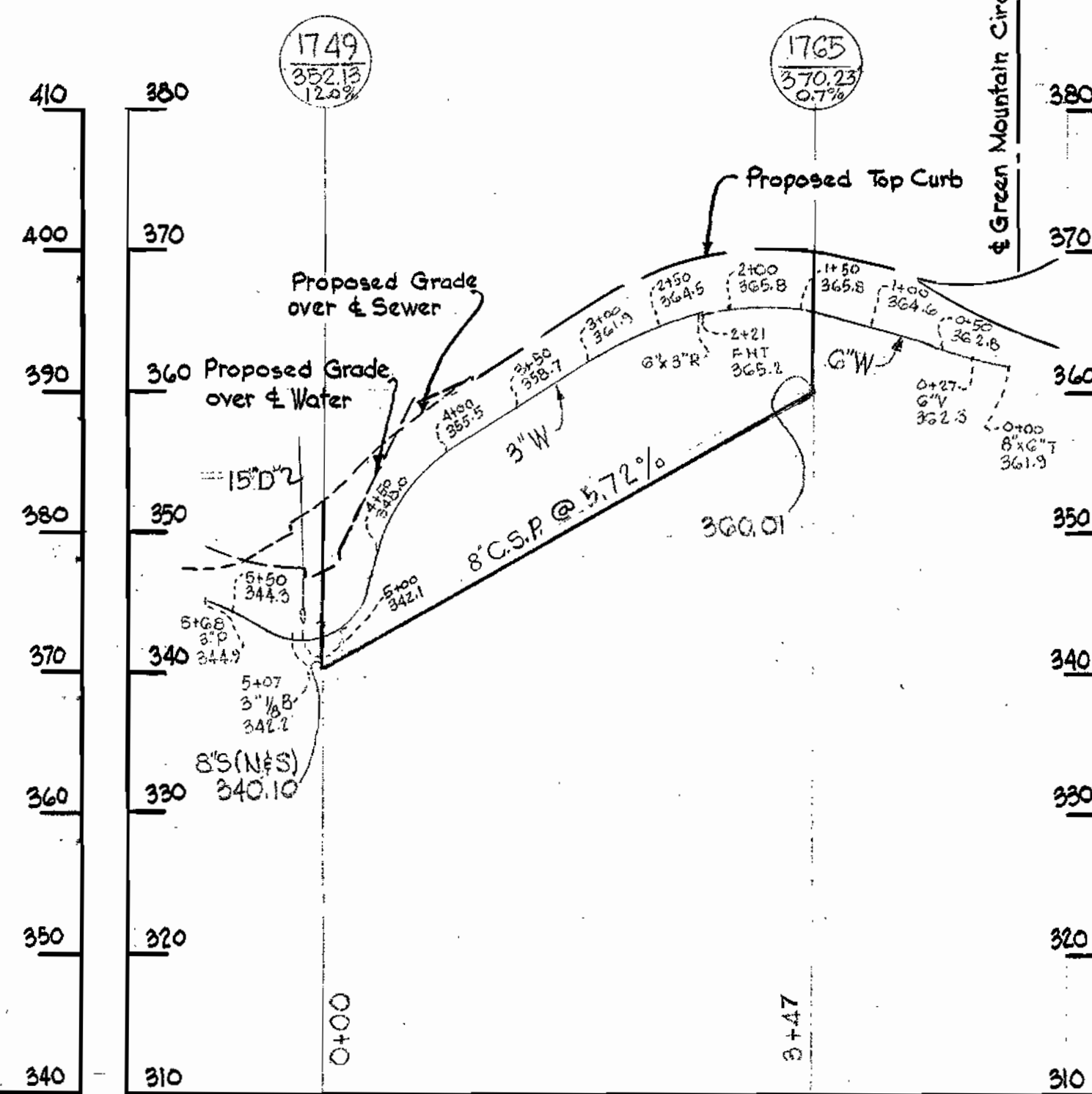
WILLIAM TELL LANE

For Plan See Drawing No. 3



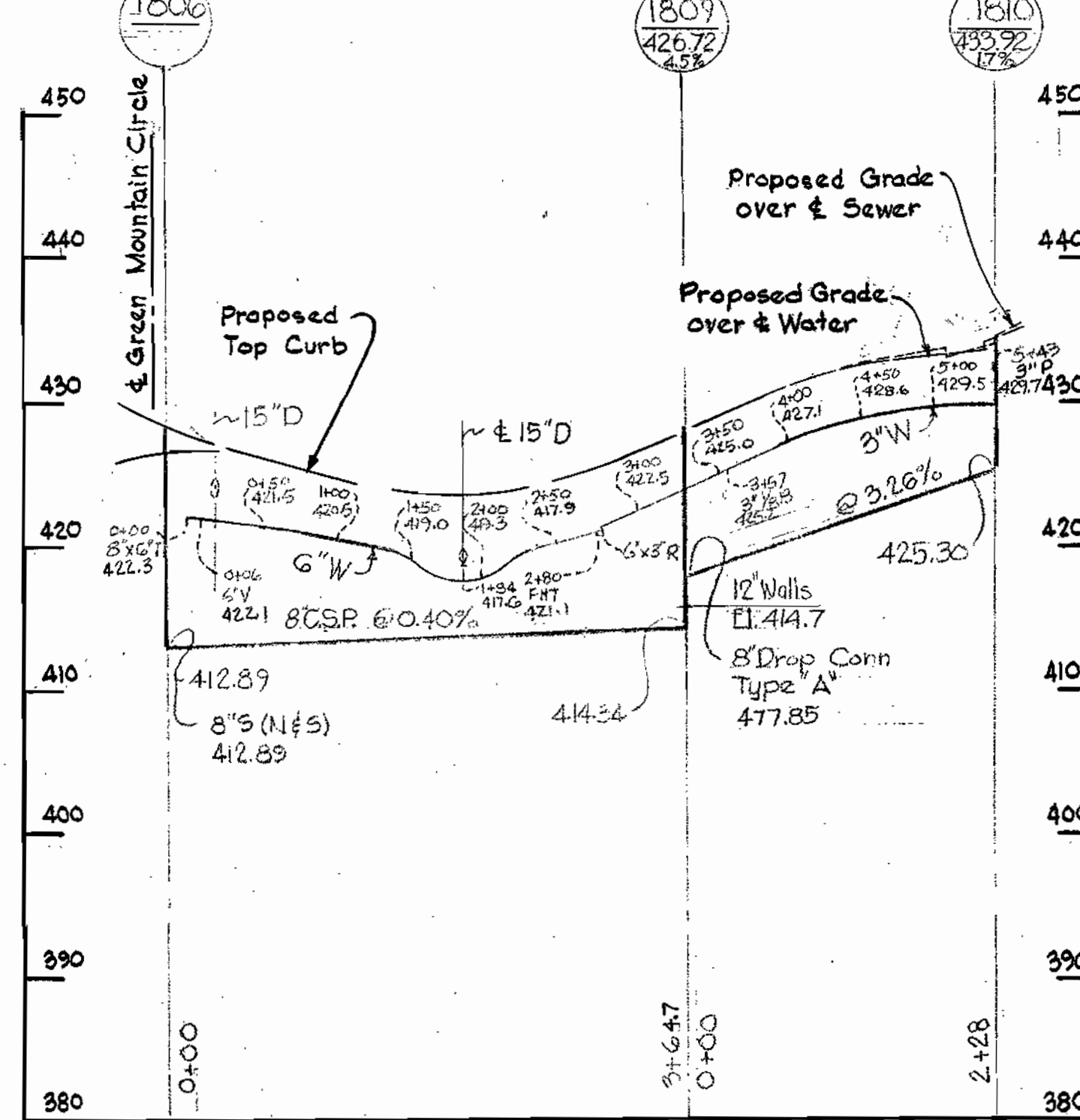
CATTERSKILL COURT

For Plan See Drawing No. 5



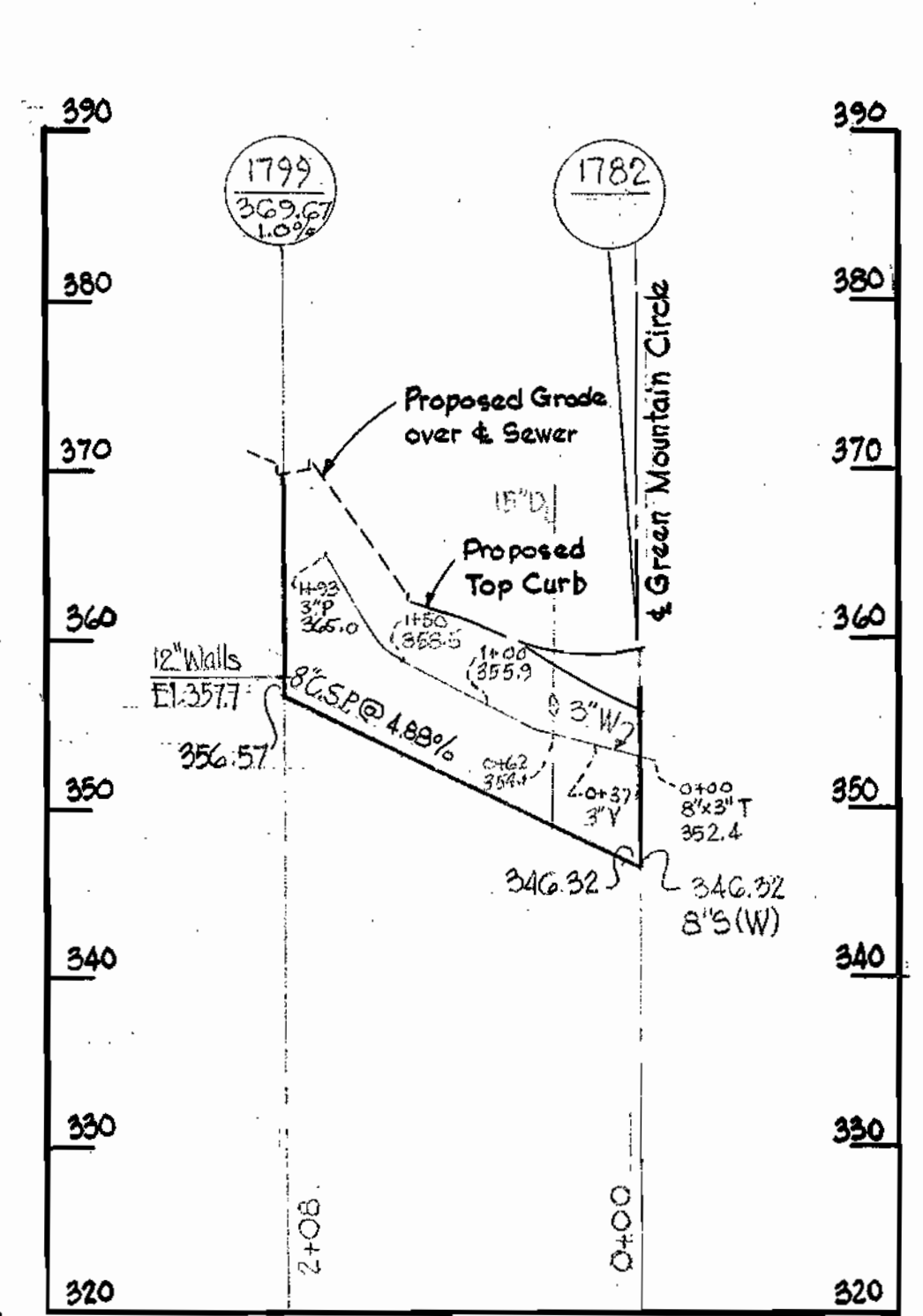
EVENING WIND COURT

For Plan See Drawing No. 7



NEW MOON PLACE

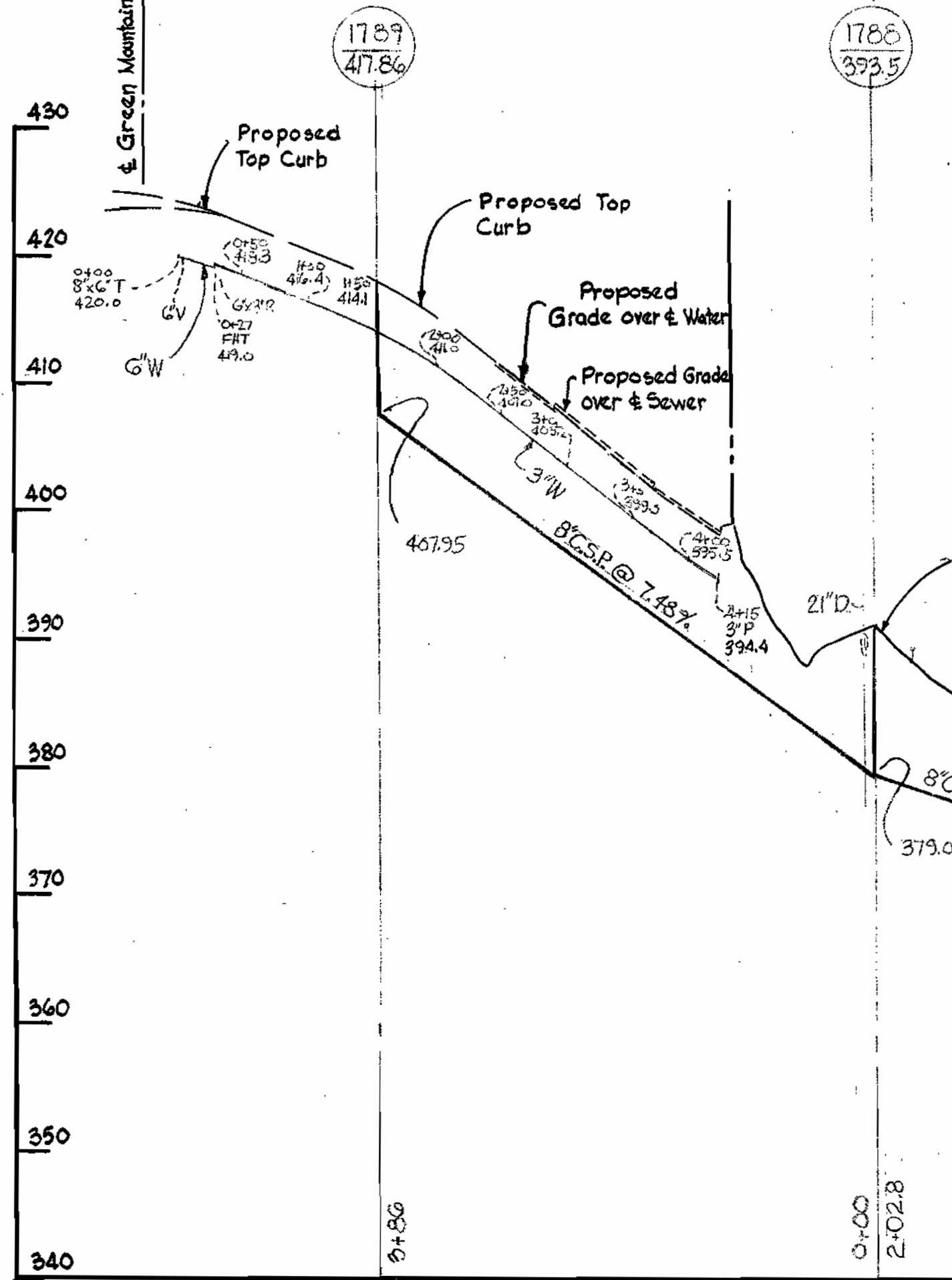
For Plan See Drawing No. 4



NOTE:
For General Notes
See Drawing No. 11.

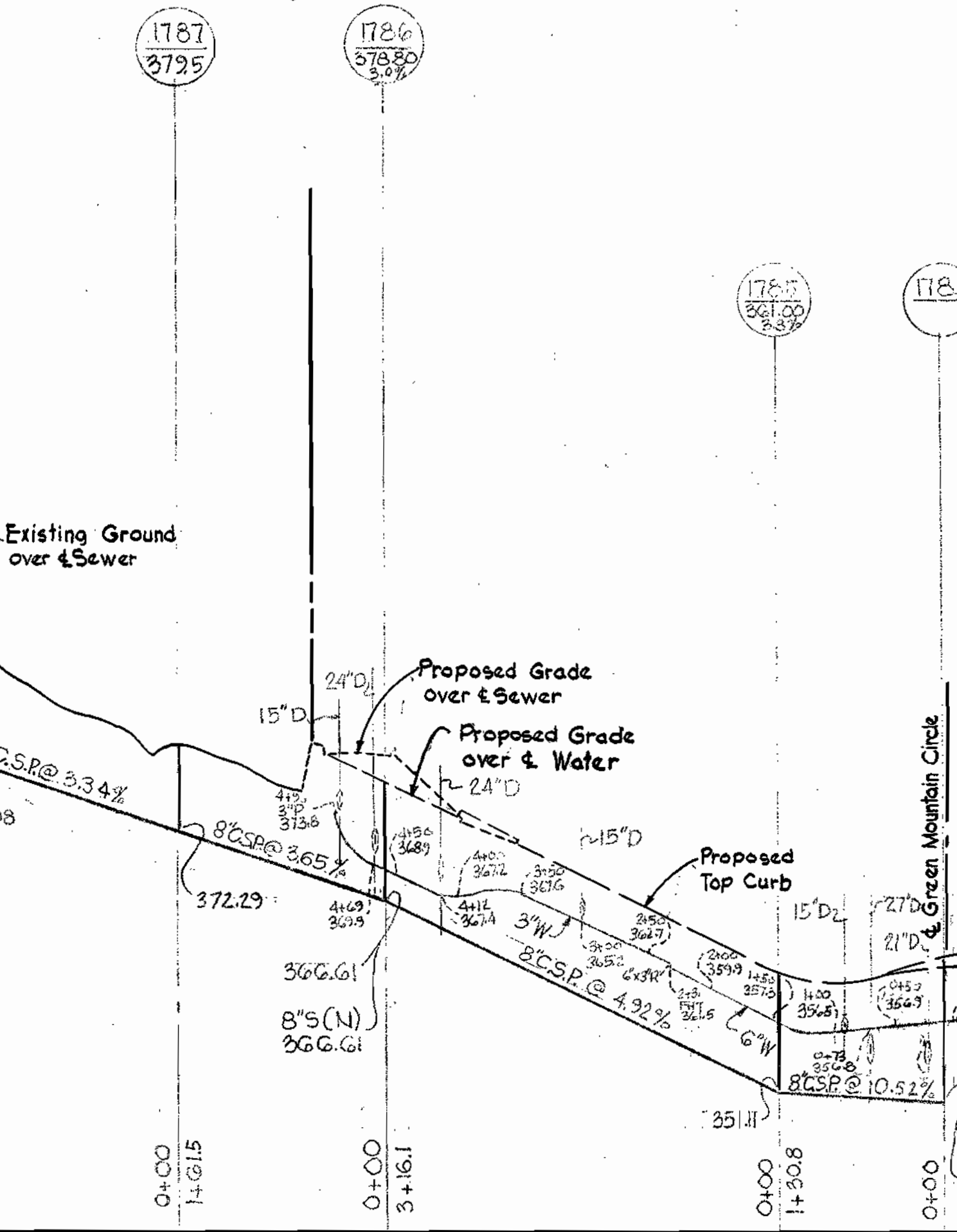
MID SUMMER LANE

For Plan See Drawing No. 6



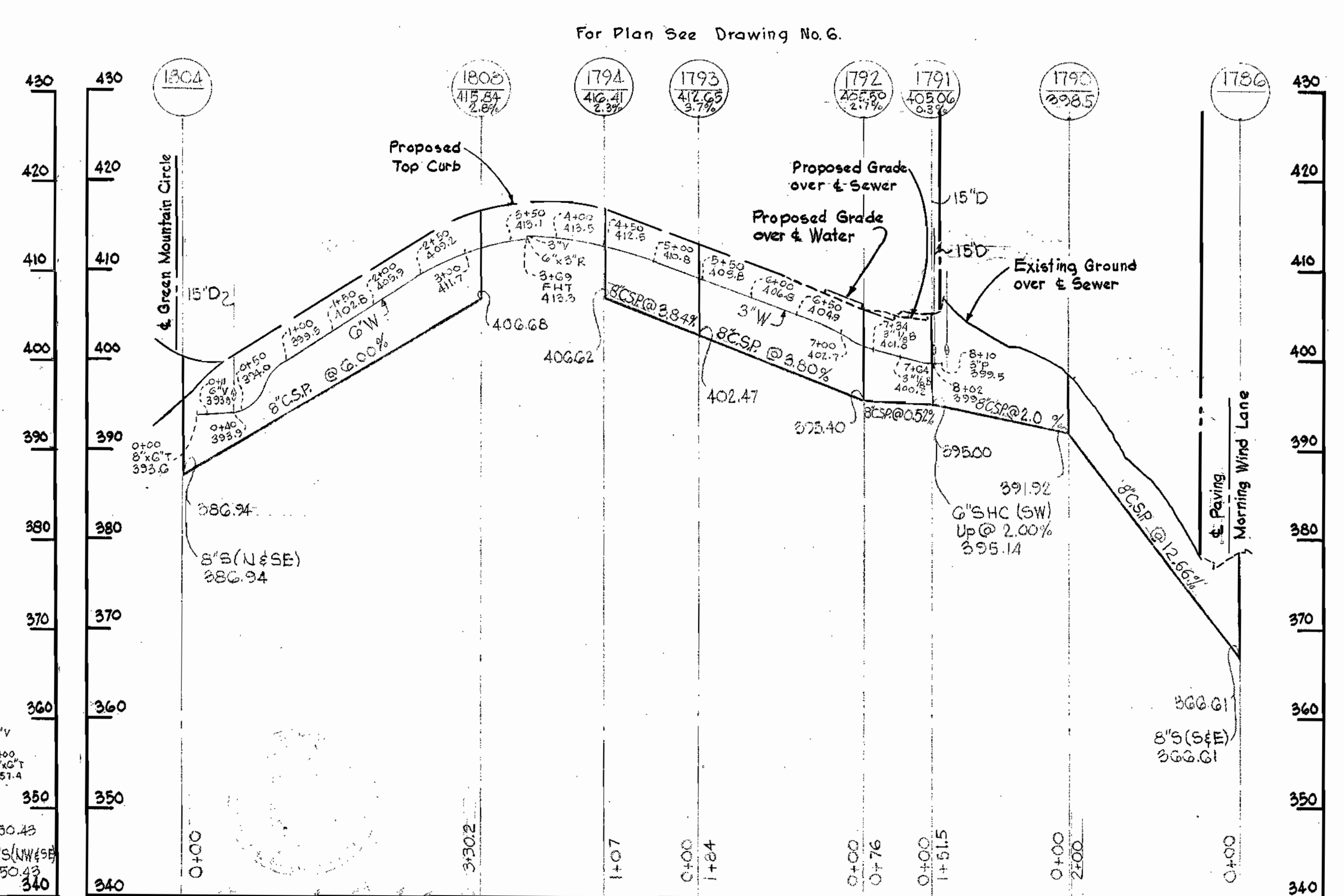
MORNING WIND LANE

1787
3725



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 Libbert
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

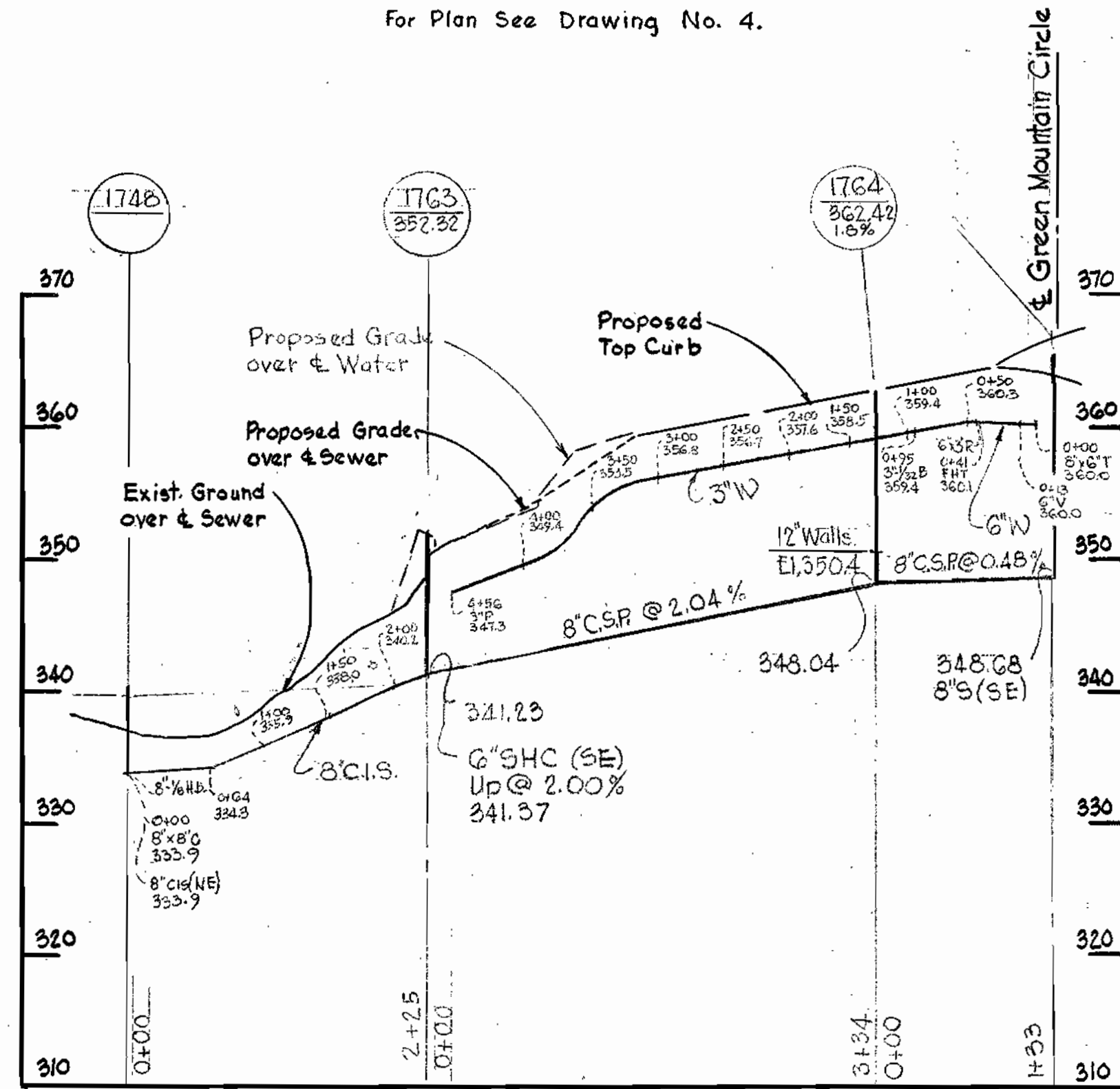
SCALE
H-1"=100'
V-1"=10'

Bryant Woods
Contract No. 166-W&S

WS 166 W&S/10

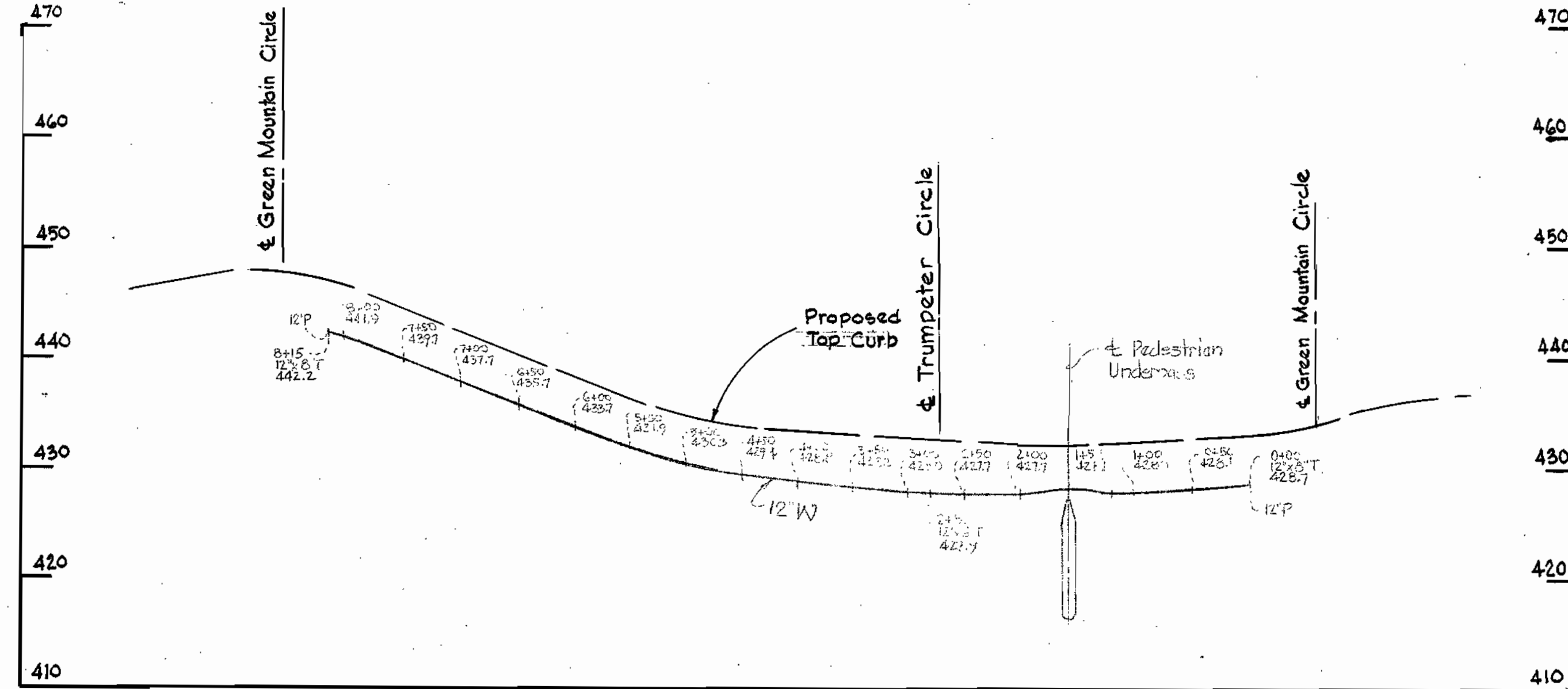
RIVULET ROW

For Plan See Drawing No. 4.



TWIN RIVERS ROAD

For Plan See Drawing No. 2

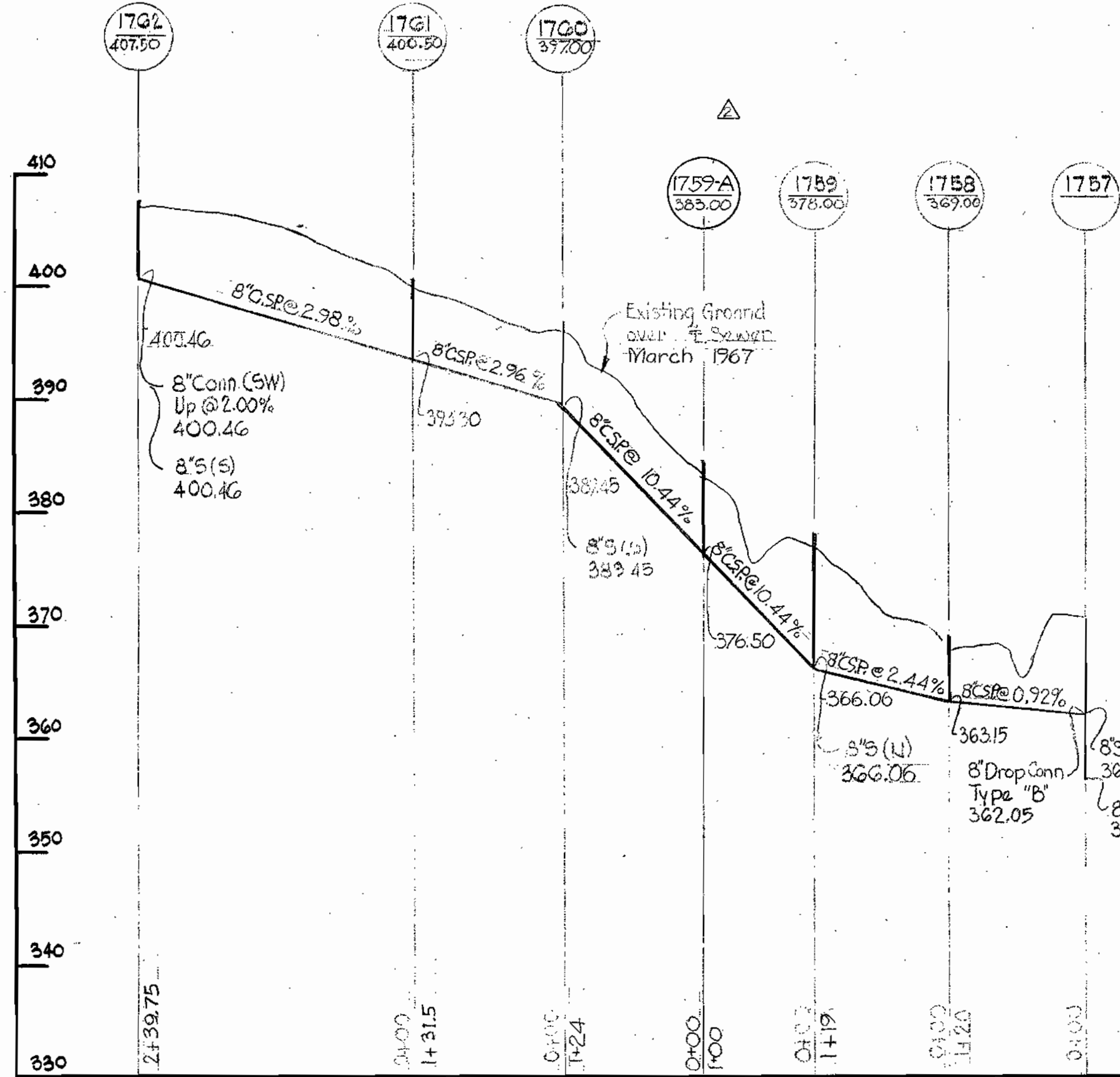


GENERAL NOTES

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. Blockall fittings with concrete, see standard details bound in Specifications.
6. Buttress Fire Hydrants with concrete. Provide 3/4" copper pipe from drain hole 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 3/2 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.

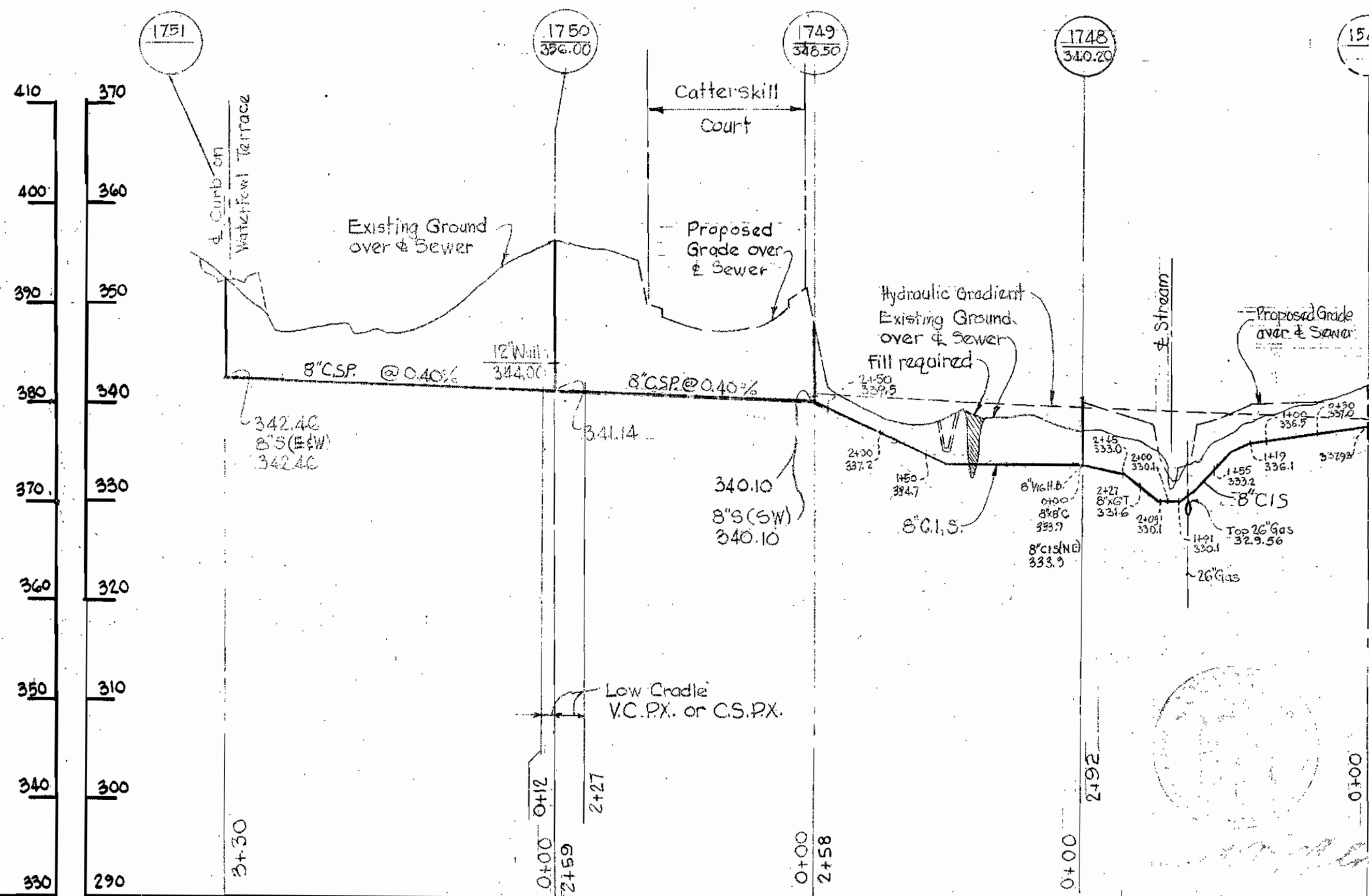
OUTFALL "A"

For Plan See Drawing No. 3.



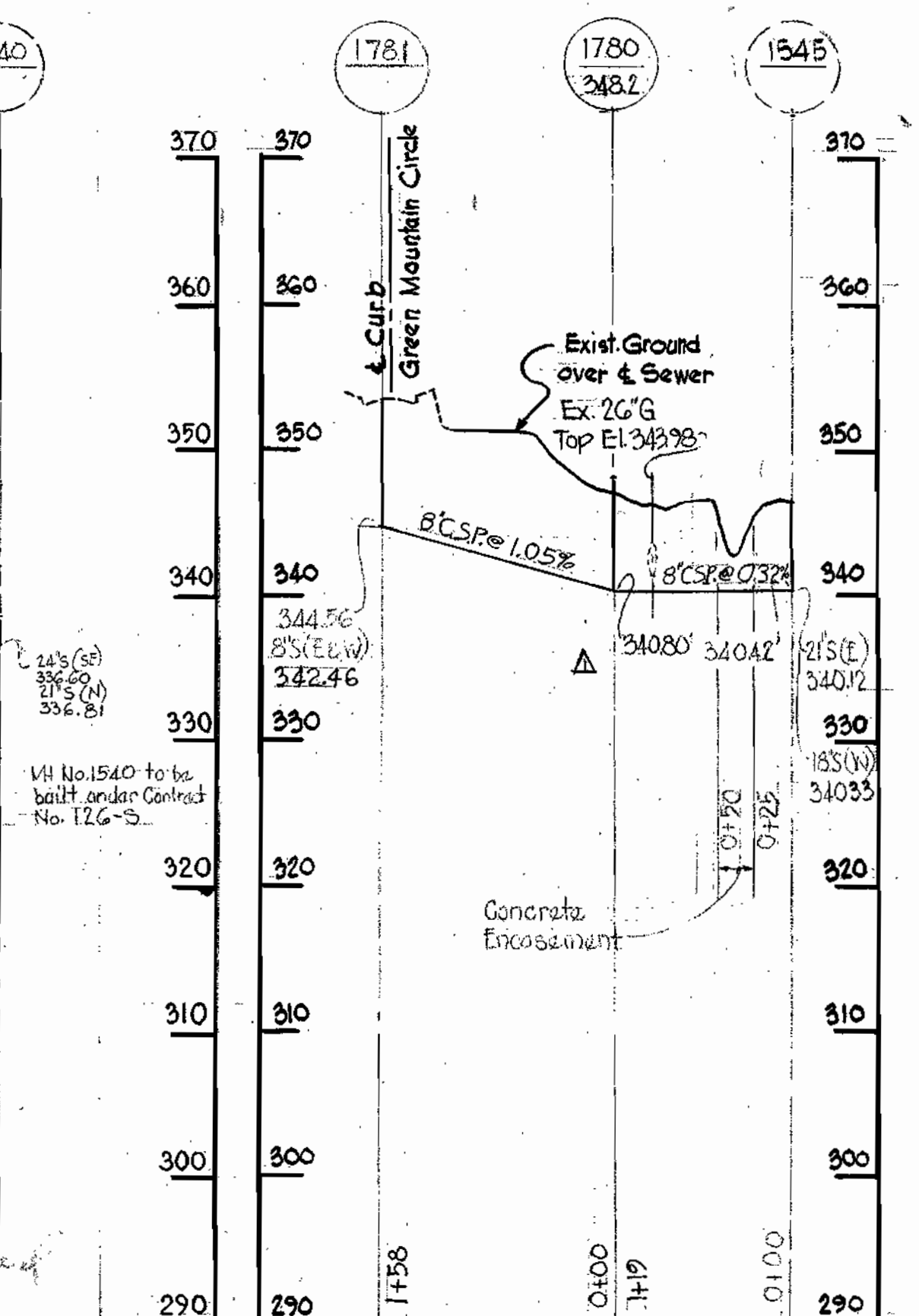
OUTFALL "B"

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
 No. Date Revision

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

HOWARD COUNTY METROPOLITAN COMMISSION
 12-16-66
 DATE
 W. O. Libout
 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'**