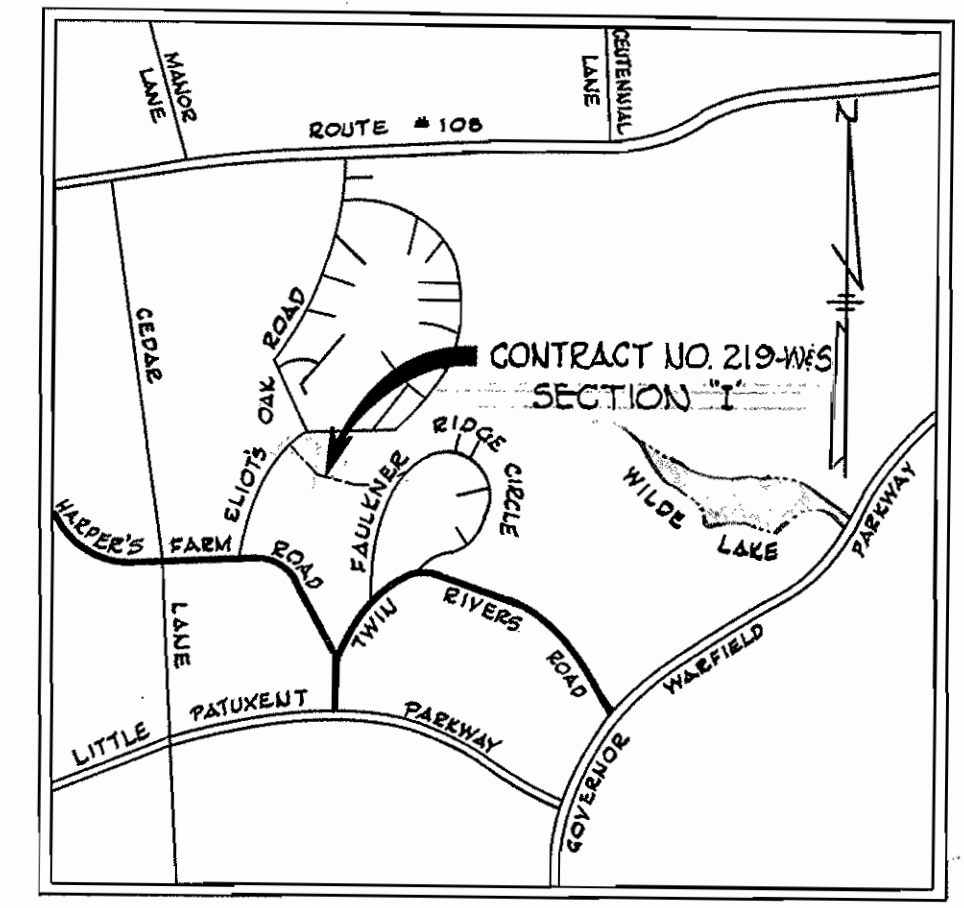


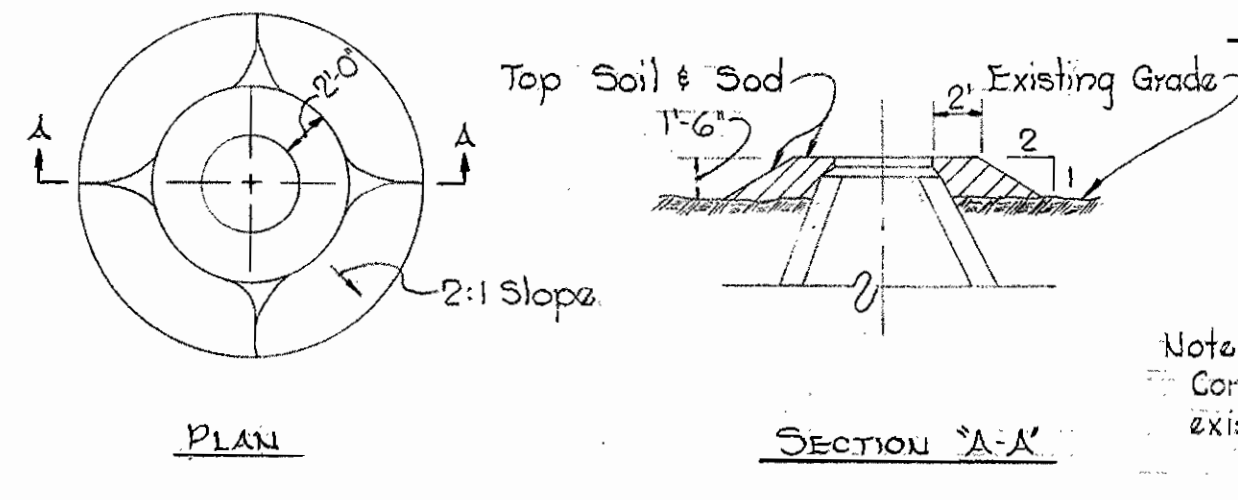
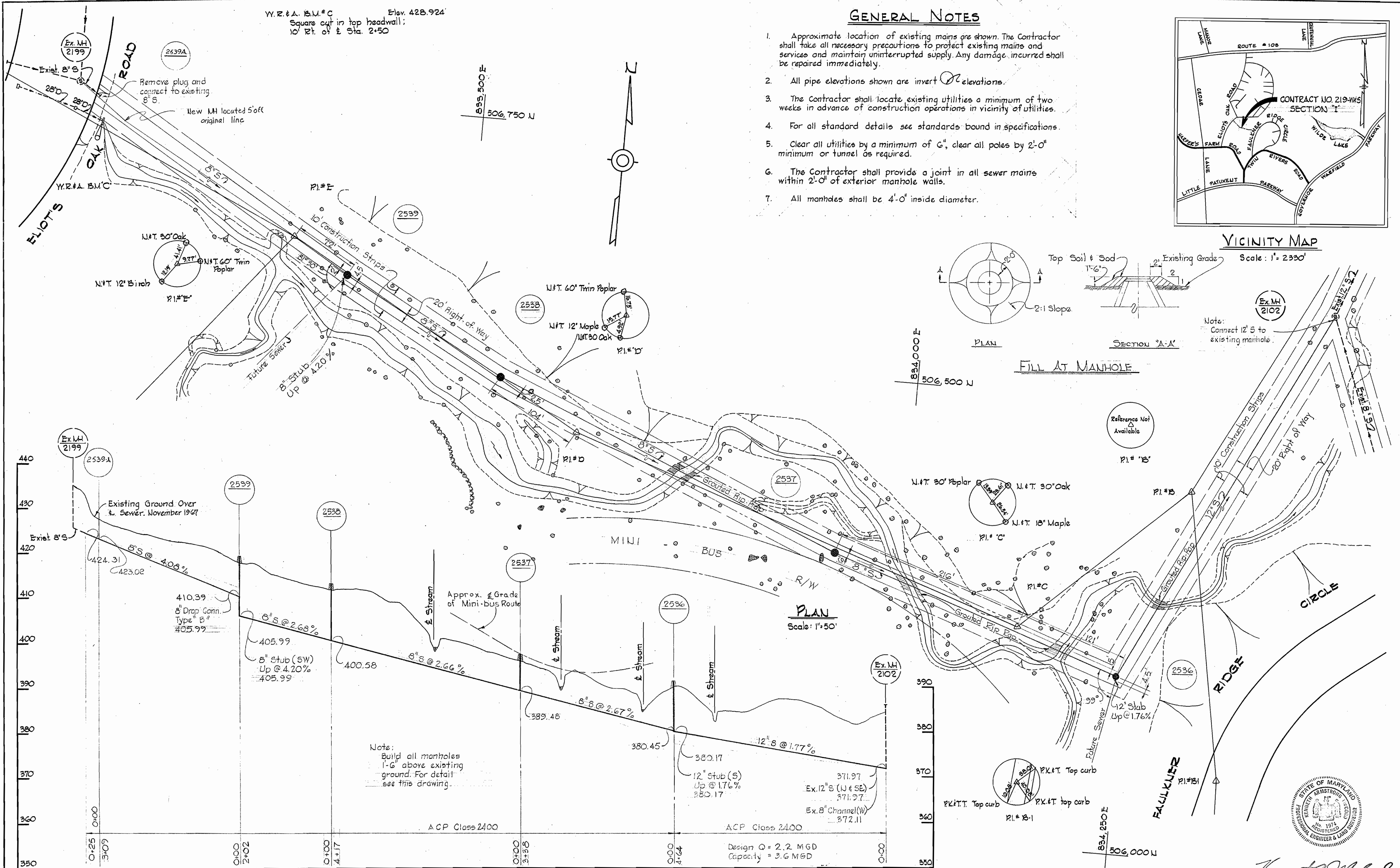
W.R. & A. B.M.#C Elev. 428.924
 Square cut in top headwall;
 10' Rt. of Sta. 2+50

GENERAL NOTES

1. Approximate location of existing mains are shown. The Contractor shall take all necessary precautions to protect existing mains and services and maintain uninterrupted supply. Any damage incurred shall be repaired immediately.
2. All pipe elevations shown are invert ϕ 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. Clear all utilities by a minimum of 6", clear all poles by 2'-0" minimum or tunnel as required.
6. The Contractor shall provide a joint in all sewer mains within 2'-0" of exterior manhole walls.
7. All manholes shall be 4'-0" inside diameter.



VICINITY MAP
 Scale: 1" = 2550'

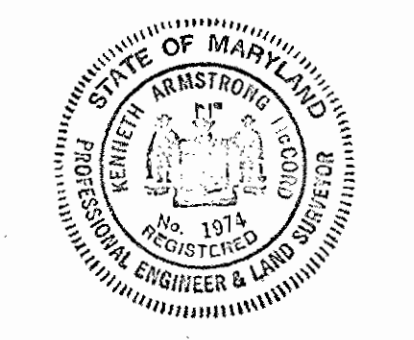


FILL AT MANHOLE

Note:
 Connect 12" S to existing manhole.

Note:
 Build all manholes 1'-6" above existing ground. For detail see this drawing.

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



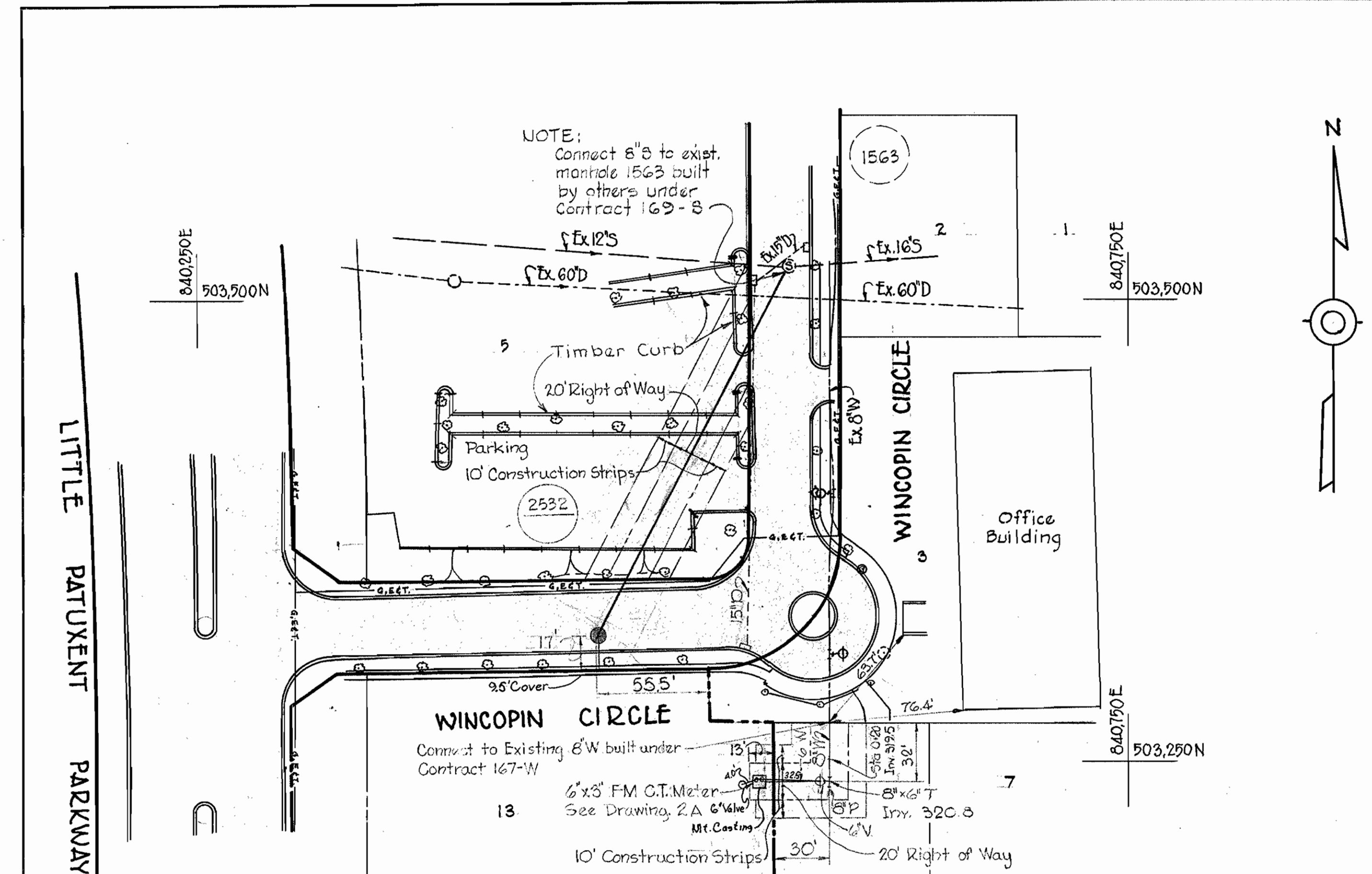
Kenneth A. Meland
 Section 'I'
 Longfellow Outfall
 Contract No. 219-W85

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION DATE: 12-6-67 W. O. Libert CHIEF ENGINEER	CONTRACT NO. 219-W85	PLAN AND PROFILE OF SEWER MAIN	COLUMBIA VILLAGE OF WILDE LAKE ELECTION DISTRICT-CLARKSVILLE No.5	DRAWING NO. 1 OF 3 SCALE AS SHOWN 306,477
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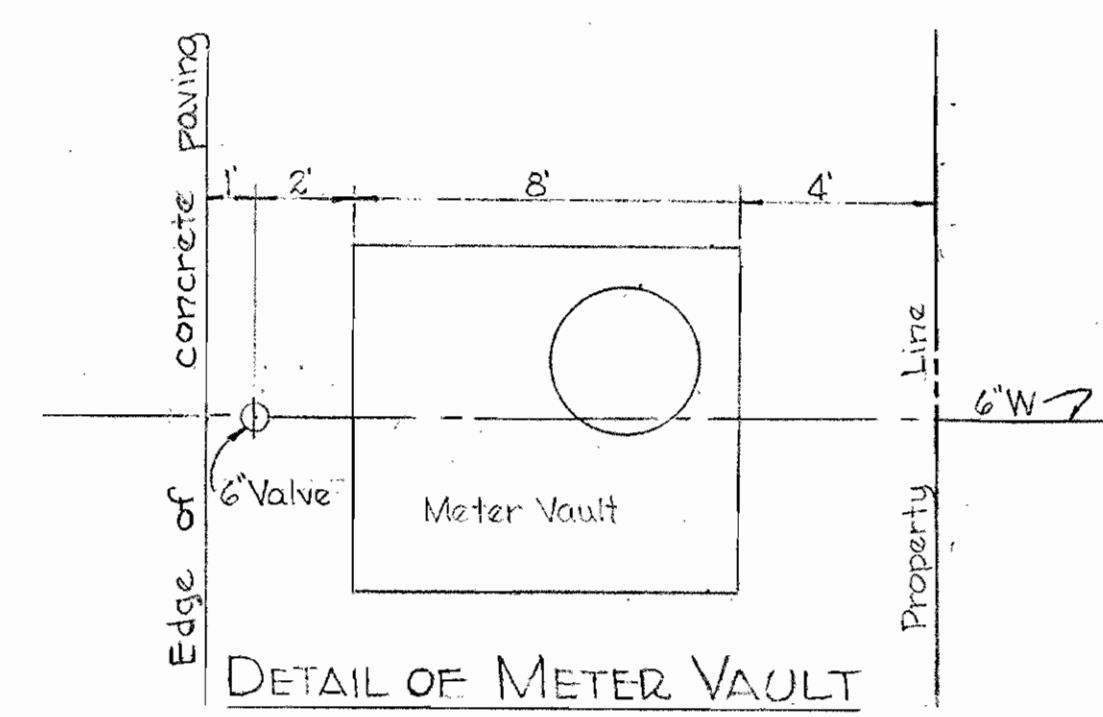
W. O. 5735-2

AS BUILT: JUNE 17, 1968
 F.B. # 4030, 4003

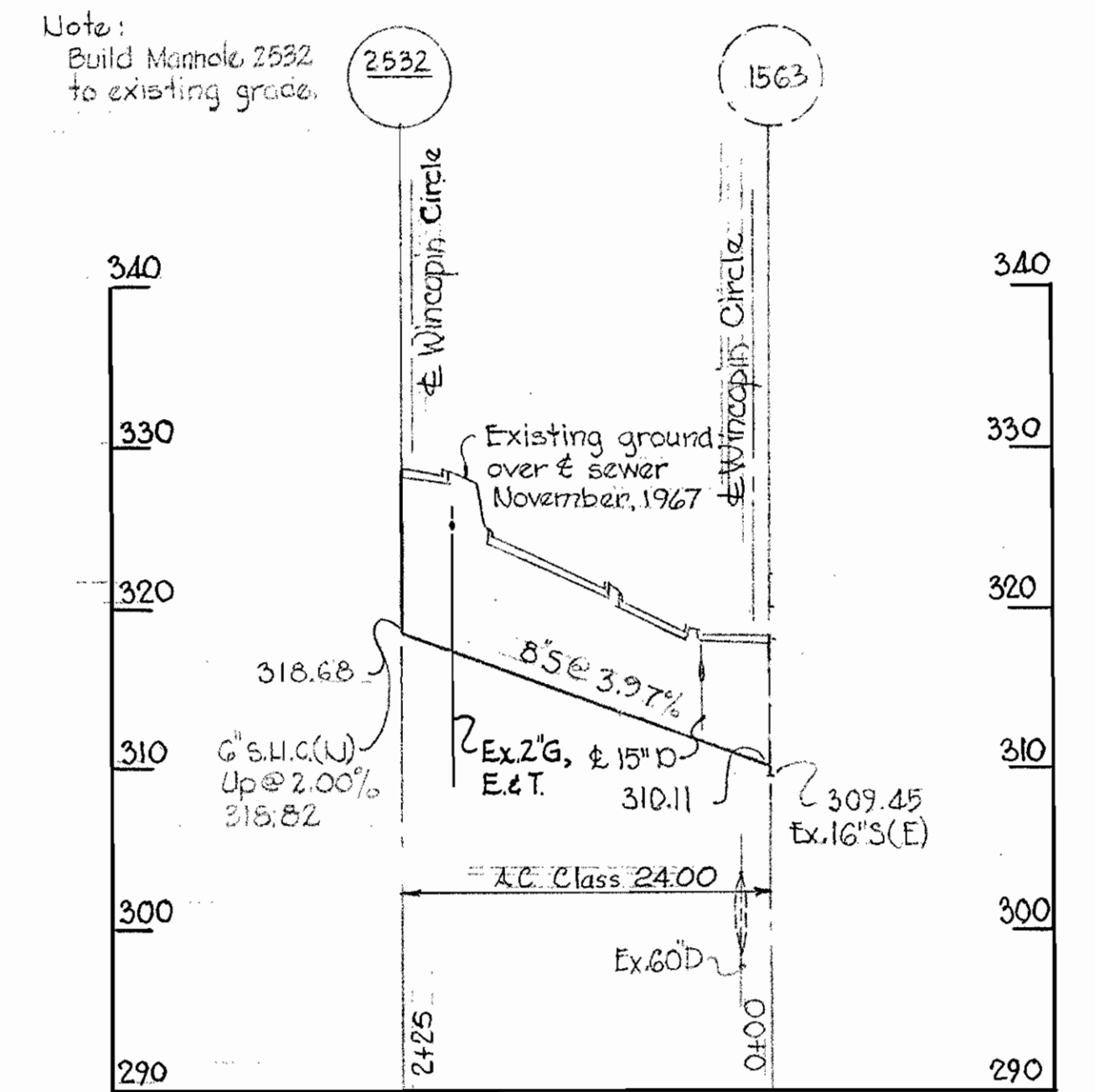
WS 219-WS/1



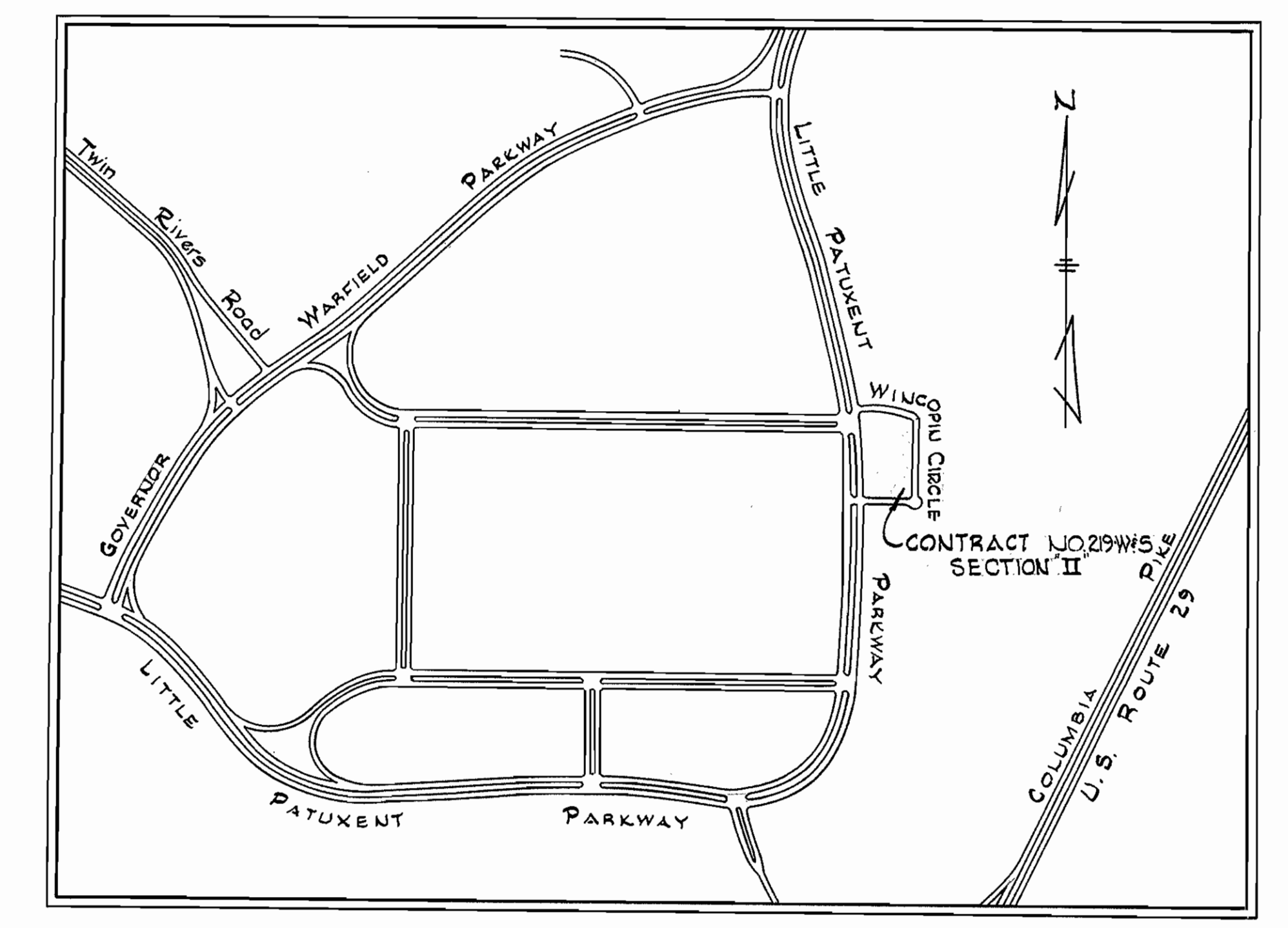
PLAN
Scale: 1" = 50'



DETAIL OF METER VAULT LOCATION
Scale: 1" = 4'-0"



PROFILE
Scale: Horiz. 1" = 100'
Ver. 1" = 10'



VICINITY MAP
Scale: 1" = 600'

GENERAL NOTES

1. Approximate location of existing mains are shown. The Contractor shall take all necessary precautions to protect 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 specifications.
5. Clear all utilities by a minimum of 6", clear all poles by 2'-0" minimum or tunnel as required.
6. The Contractor shall provide a joint in all sewer mains within 2'-0" of exterior manhole walls.
7. The Contractor shall notify the Telephone Company prior to any construction activities in the vicinity of the telephone cables by calling collect, anytime, 393-3553 in Baltimore, Maryland.

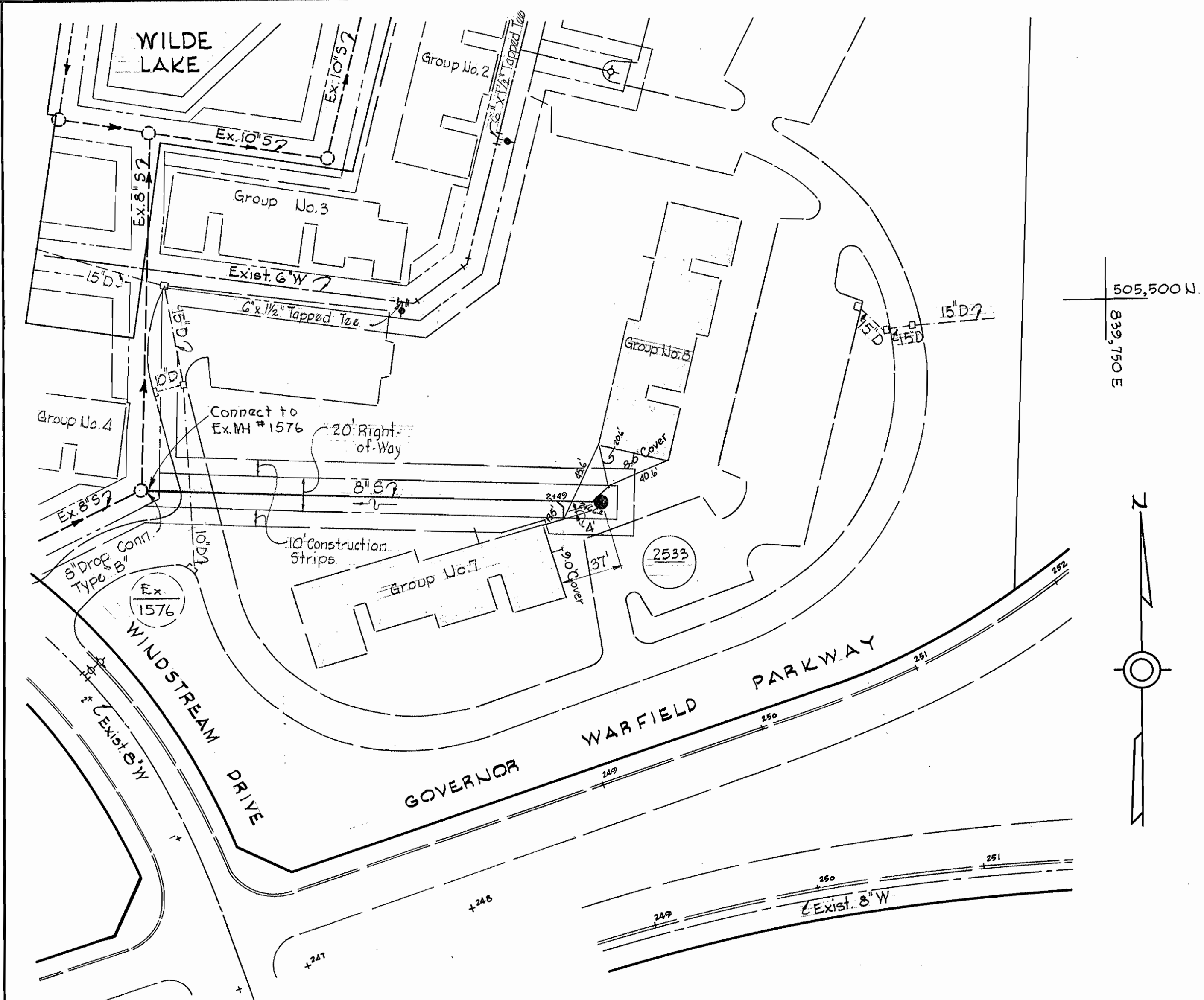


Herbert A. Reardon

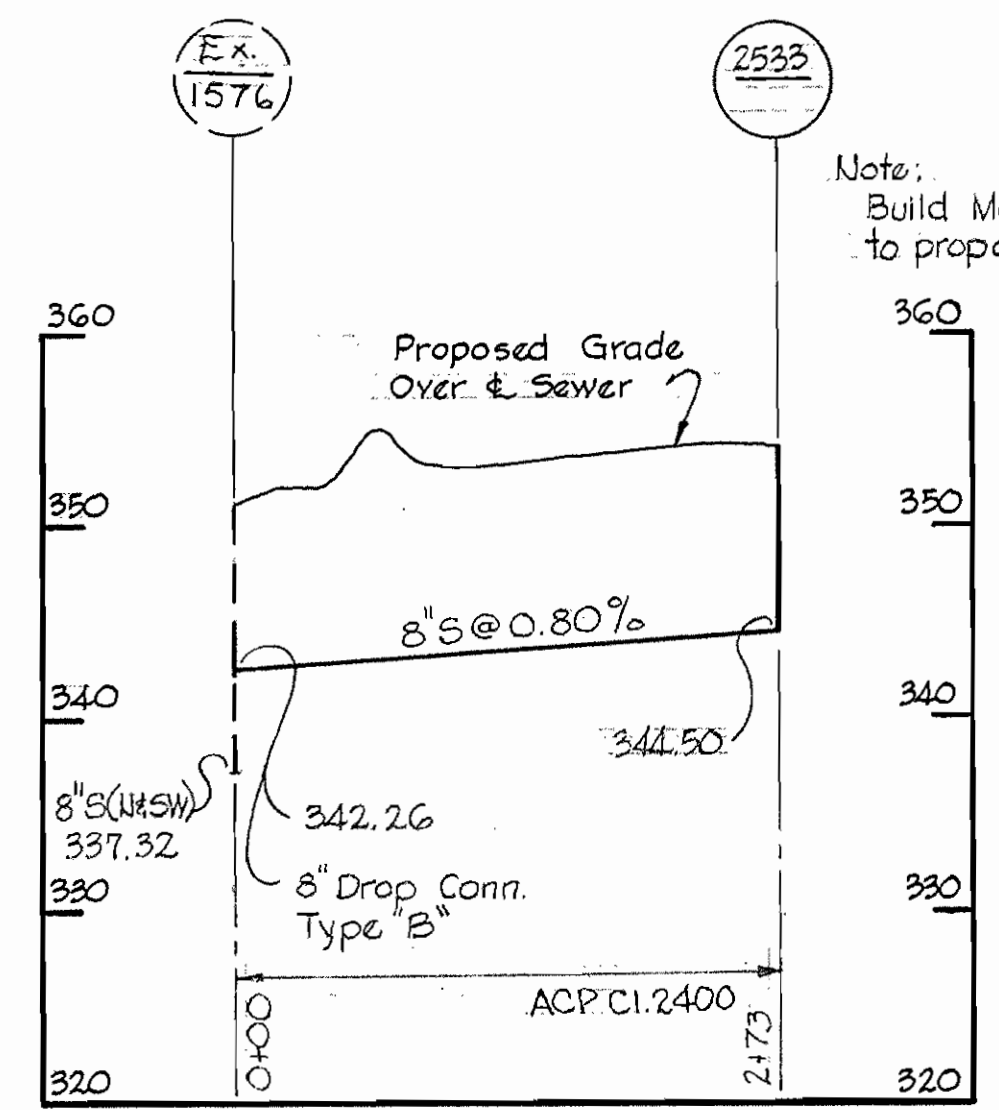
Section "II"
Wincopin Circle
Contract No. 219-W8S

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION 11-24-67 DATE <i>W. O. Paul</i> CHIEF ENGINEER	CONTRACT NO. 219-W8S	PLAN & PROFILE OF SEWER MAINS	COLUMBIA VILLAGE OF WILDE LAKE ELECTION DISTRICT-CLARKSVILLE No.5	DRAWING NO. 2 OF 3	SCALE AS SHOWN 509-481
					AS BUILT JUNE 17, 1968 F.B. #3478	

W. O. 5735-2
 W. O. 5735-2
 W. O. 5735-2

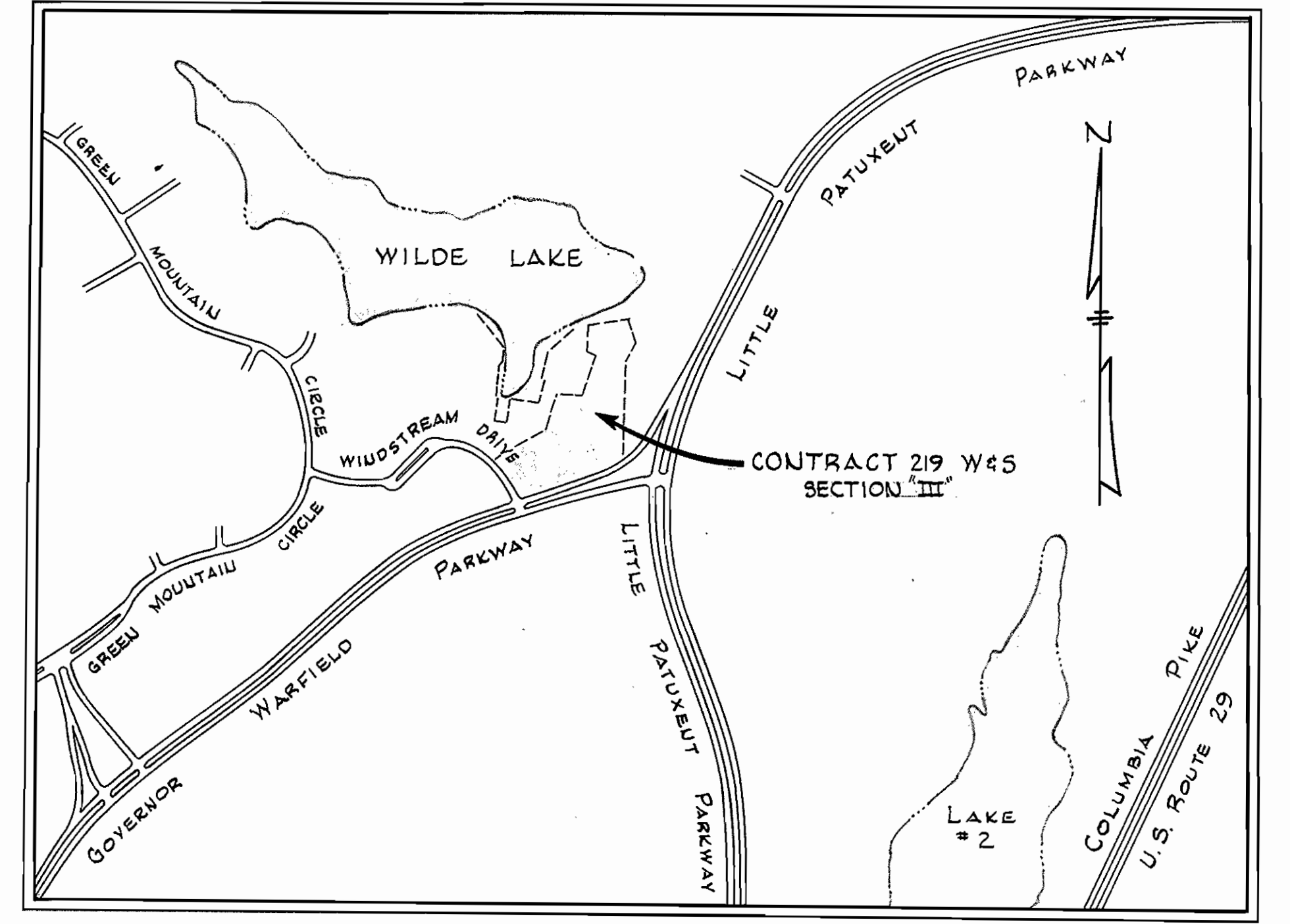


PLAN
Scale: 1"=50'



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

Note:
Build Manhole 2533
to proposed grade.



VICINITY MAP
Scale: 1"=600'

GENERAL NOTES

1. Approximate locations of existing mains are shown. The Contractor shall take all necessary precautions to protect 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 activities in the vicinity of the utilities.
4. For all standard details see standards bound in specifications.
5. All water mains to be C.I.P. or D.I.P., and have a minimum of 3 1/2' cover.
6. Block all fittings with concrete, see standard details bound in Specifications.
7. Clear all utilities by a minimum of 6', clear all poles by 2'-0" minimum or tunnel as required.
8. Sewer manholes shall be 4'-0" inside diameter unless otherwise noted.
9. A pipe joint shall be provided in each sewer main 2'-0" from the exterior of manhole walls.
10. Sewer house connections shall be 6" pipe sloped up at 2% from main sewer except where shown on plans as 1%.
11. 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.
12. Water & Sewer mains not to be constructed until proposed Grades as shown on the profiles are accomplished.
13. The Contractor shall notify the Telephone Company prior to any construction activities in the vicinity of the telephone cables by calling collect, anytime, 593-3555 in Baltimore, Maryland.

Section III
The Cove
Contract No. 219-W45

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION DATE: 11-24-67 <i>W. Lubat</i> CHIEF ENGINEER	CONTRACT NO. 219-W45	PLAN OF WATER & SEWER	COLUMBIA VILLAGE OF WILDE LAKE ELECTION DISTRICT - CLARKSVILLE No. 5	DRAWING NO. 3 OF 3	SCALE AS SHOWN
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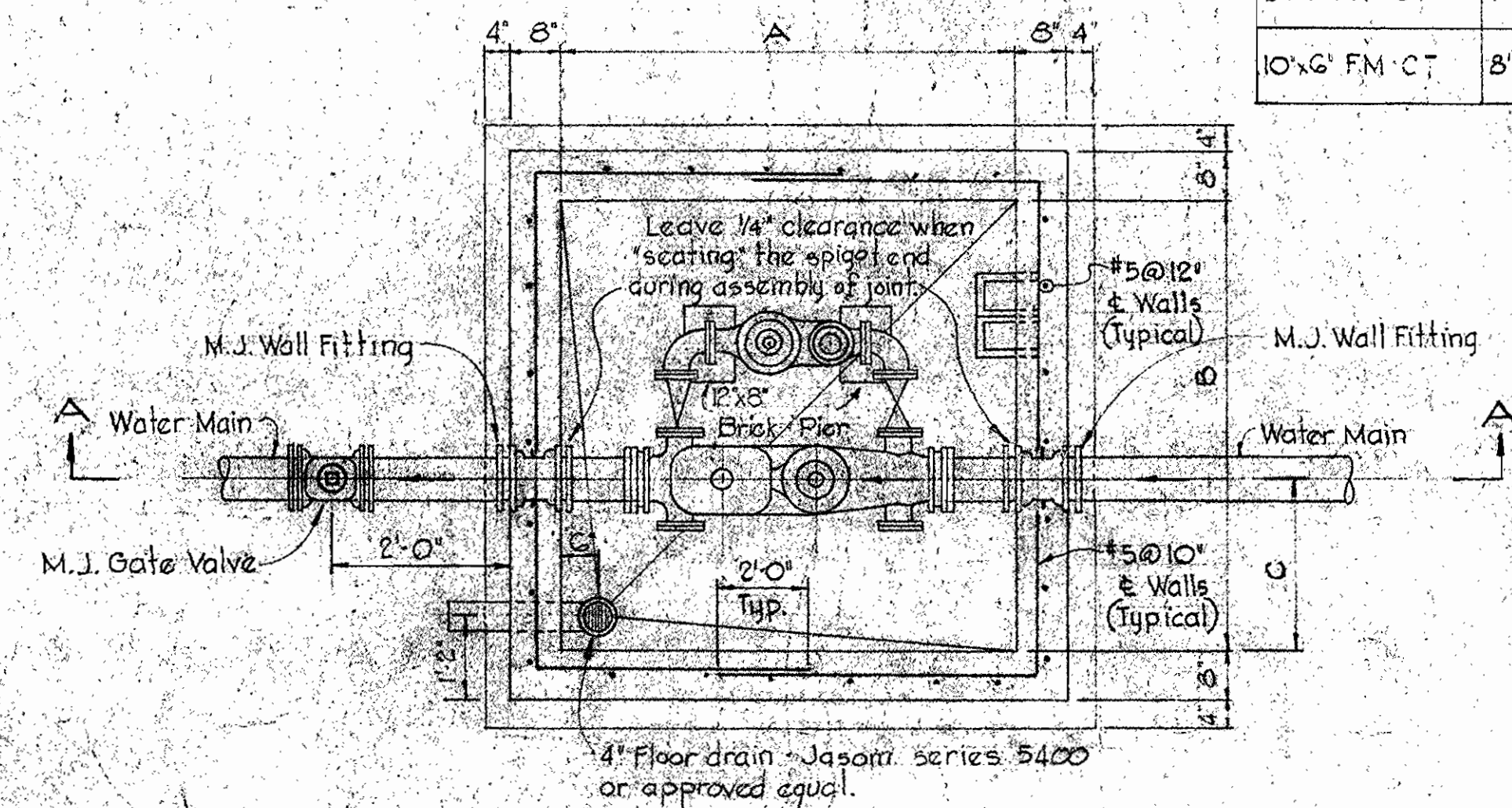
WS 219-WS/3

Note:
Slope floor of vault
to drain.

SCHEDULE

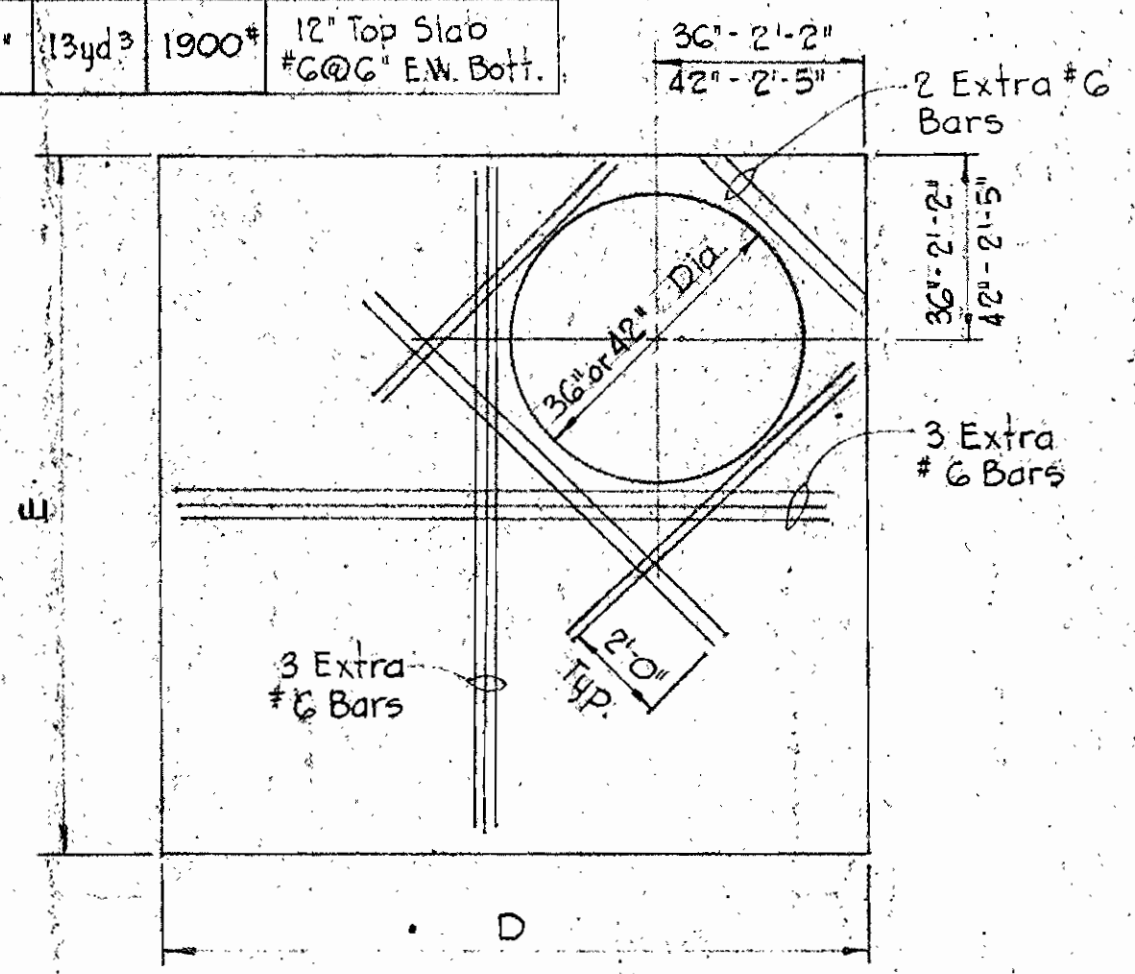
Meter Size	Dimensions					Concrete Required Cubic Yards	Steel Required Pounds	5,000 Reinforcing
	A	B	C	D	E			
4x2" FM-CT	5'-6"	3'-6"	2'-2"	6'-10"	6'-10"	8yd ³	1100#	10" Top Slab #5@6" E.W. Bott.
6x3" FM-CT	6'-8"	6'-0"	2'-3"	8'-0"	7'-4"	9 1/2yd ³	1400#	12" Top Slab #6@6" E.W. Bott.
8x4" FM-CT	7'-6"	6'-9"	2'-3"	8'-10"	8'-1"	10 1/2yd ³	1600#	12" Top Slab #6@6" E.W. Bott.
10x6" FM-CT	8'-10"	7'-9"	2'-8"	10'-2"	9'-1"	13yd ³	1900#	12" Top Slab #6@6" E.W. Bott.

NOTE:
6x3" FM-CT Meter, flanged coupling
adapters, and frame & cover to be
furnished by the Howard County
Metropolitan Commission and installed
by the Contractor.
Payment for meter installation shall
be included in the unit price bid for
furnishing and installing meter vault
for 6x3" FM-CT Meter.



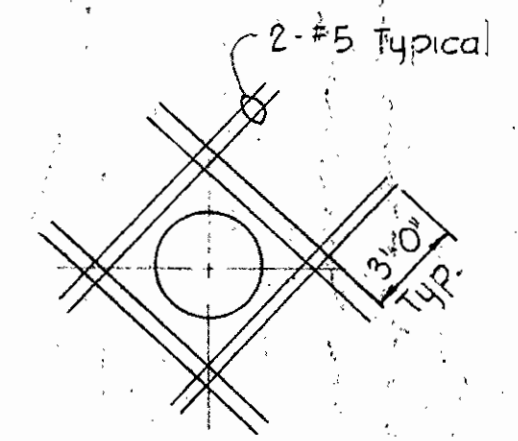
PLAN

NOTE:
Meter to be furnished with plain ends
and installed with Smith-Blair 912
flanged coupling adapters. Prior to placing
meter, strap valve to tee. See standard
detail W-GA.

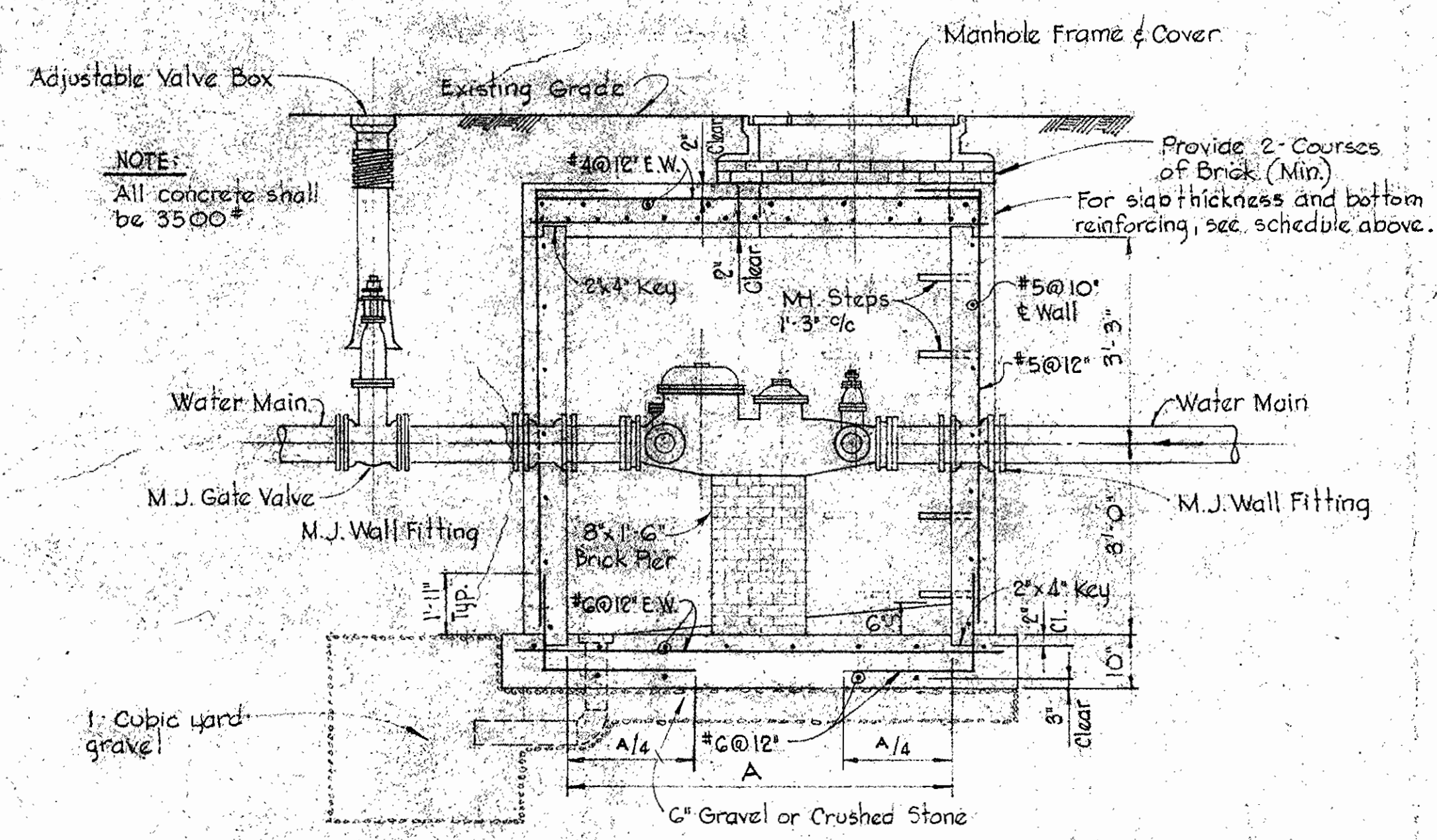


TOP SLAB

4"x2" and 6"x3" - 36" Dia. MH.
8"x4" and 10"x6" - 42" Dia. MH.



TYPICAL REINFORCING
AROUND OPENINGS
IN WALLS



SECTION "A-A"

GENERAL CONCRETE NOTES

1. All reinforced concrete shall be Class A, 3500 psi at 28 days.
2. Reinforcing steel shall be "intermediate grade (ASTM A-15) with deformations conforming to ASTM Specification A 305.
3. All dowel projections beyond construction joints shall be 30 diameters.
4. All bars laps shall be 30 diameters unless otherwise noted.

WHITMAN, REQUARDT & ASSOCIATES
ENGINEERS
BALTIMORE, MARYLAND
Contract 219 W&S

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

HOWARD COUNTY METROPOLITAN COMMISSION
ELECOTT CITY MARYLAND
DATE: June 30, 1967
Drawing U#2A of 3