BENCH MARKS

B.M. Conc. Monument 30' N.E. front corner Lot 1, Blk. 8 & Subdivision limit. Elev.= 331.73

B.M. Conc. Monument west prop. line 20' Path between Lots 8 & 9 Blk. 8. Elev.= 335.96

B.M N&W in 8" Pine 120' N.E. of East front corner Lot 17, Blk. 8. Elev.= 307.34

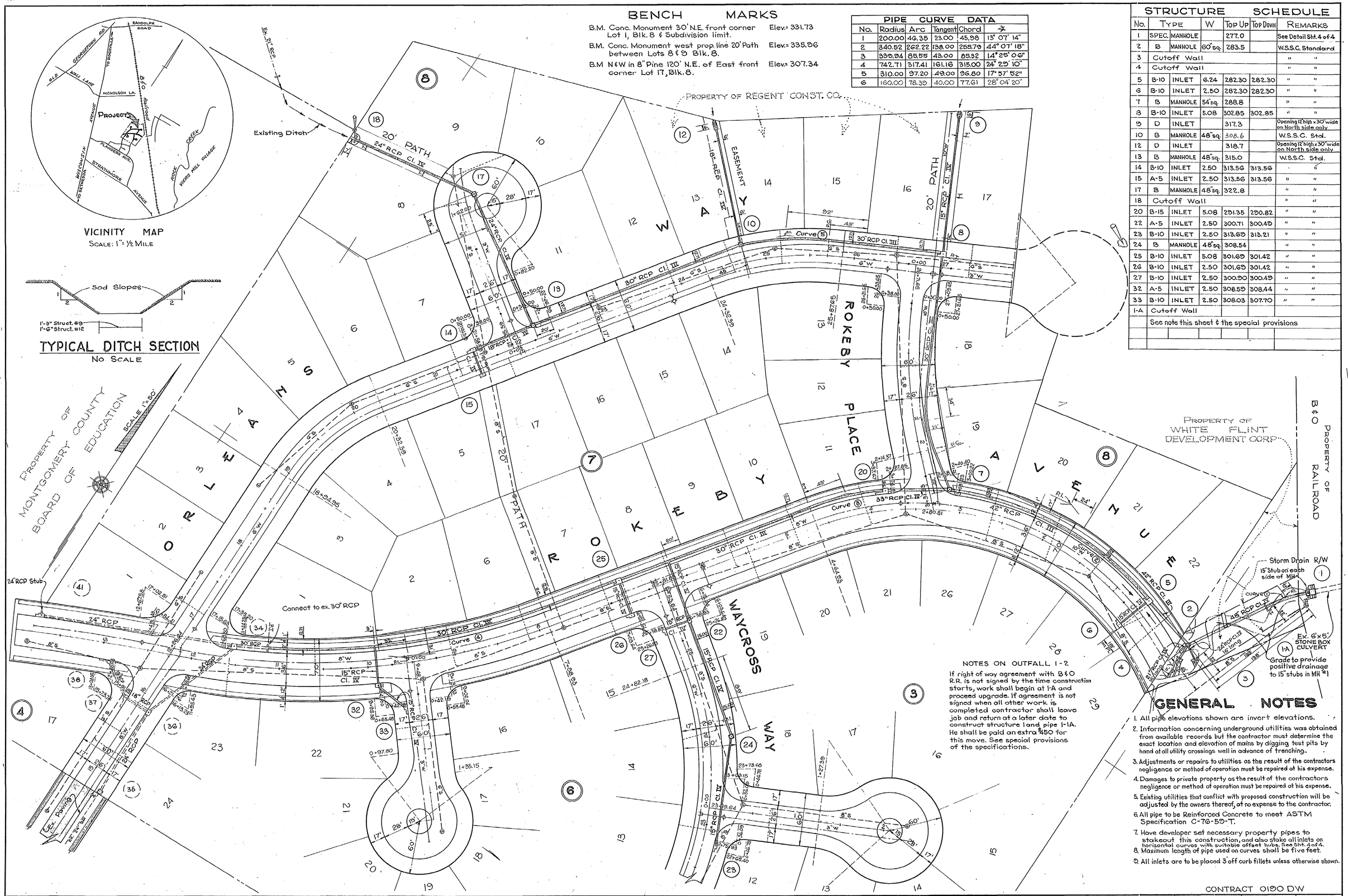
PIPE CURVE DATA					
No.	Radius	Arc	Tangent	Chord	∠
1	200.00	46.35	23.00	45.98	13° 07' 14"
2	340.52	262.22	138.00	255.79	44° 07' 18"
3	332.24	85.55	43.00	85.32	14° 25' 06"
4	742.71	317.41	161.16	315.00	24° 29' 10"
5	310.00	97.20	49.00	96.80	17° 57' 52"
6	160.00	78.39	40.00	77.61	28° 04' 20"

STRUCTURE SCHEDULE

No.	Type		W	Top Up	Top Down	Remarks
1	SPEC.	MANHOLE		277.0		See Detail Sht. 4 of 4
2	B	MANHOLE	60" sq.	283.5		W.S.S.C. Standard
3	Cutoff Wall					" "
4	Cutoff Wall					" "
5	B-10	INLET	6.24	282.30	282.30	" "
6	B-10	INLET	2.50	282.30	282.30	" "
7	B	MANHOLE	54" sq.	288.8		" "
8	B-10	INLET	5.08	302.85	302.85	" "
9	D	INLET		317.3		Opening 12" high x 30" wide on North side only
10	B	MANHOLE	48" sq.	308.6		W.S.S.C. Std.
12	D	INLET		318.7		Opening 12" high x 30" wide on North side only
13	B	MANHOLE	48" sq.	315.0		W.S.S.C. Std.
14	B-10	INLET	2.50	313.56	313.56	" "
15	A-5	INLET	2.50	313.56	313.56	" "
17	B	MANHOLE	48" sq.	322.8		" "
18	Cutoff Wall					" "
20	B-15	INLET	5.08	291.35	290.82	" "
22	A-5	INLET	2.50	300.71	300.45	" "
23	B-10	INLET	2.50	313.69	313.21	" "
24	B	MANHOLE	48" sq.	308.54		" "
25	B-10	INLET	5.08	301.69	301.42	" "
26	B-10	INLET	2.50	301.69	301.42	" "
27	B-10	INLET	2.50	300.90	300.43	" "
32	A-5	INLET	2.50	308.59	308.44	" "
33	B-10	INLET	2.50	308.03	307.70	" "
1-A	Cutoff Wall					
	See note this sheet & the special provisions					

VICINITY MAP
SCALE: 1" = ½ MILE

TYPICAL DITCH SECTION
No SCALE



NOTES ON OUTFALL 1-2

If right of way agreement with B&O R.R. is not signed by the time construction starts, work shall begin at 1-A and proceed upgrade. If agreement is not signed when all other work is completed contractor shall leave job and return at a later date to construct structure 1 and pipe 1-1A. He shall be paid an extra $450 for this move. See special provisions of the specifications.

GENERAL NOTES

1. All pipe elevations shown are invert elevations.
2. Information concerning underground utilities was obtained from available records but the contractor must determine the exact location and elevation of mains by digging test pits by hand at all utility crossings well in advance of trenching.
3. Adjustments or repairs to utilities as the result of the contractors negligence or method of operation must be repaired at his expense.
4. Damages to private property as the result of the contractors negligence or method of operation must be repaired at his expense.
5. Existing utilities that conflict with proposed construction will be adjusted by the owners thereof, at no expense to the contractor.
6. All pipe to be Reinforced Concrete to meet ASTM Specification C-76-59-T.
7. Have developer set necessary property pipes to stakeout this construction, and also stake all inlets on horizontal curves with suitable offset hubs. See Sht. 4 of 4.
8. Maximum length of pipe used on curves shall be five feet.
9. All inlets are to be placed 3' off curb fillets unless otherwise shown.

CONTRACT 0190 DW

DRAWN	WASHINGTON SUBURBAN SANITARY COMMISSION	APPROVED January 4, 1962 DATE	STORM DRAINS AUTHOR	SUPERVISION FOR MAIN LINES ONLY REQUIRED BY DEPT. OF STATE FORESTS & PARKS BALTIMORE, MD.	EXAMINED FOR	Thomas G. Oyster & Associates, Inc. Engineers & Surveyors Wheaton Maryland	CONTRACT NO. 0190-DW
TRACED			APRIL 10, 1961		SEWER & WATER 12/7/61		
CHECKED		CHIEF ENGINEER	JOB NO.		R/W REQ'D 10/2/61		
EXAMINED			61DW5049		OTHER UTILITIES 12/5 12/28/61		
STARTED							

WINDHAM DISTRICT
STORM DRAINS
ORLEANS WAY and ROKEBY AVENUE WHITE FLINT PARK

DRAWING	SCALE	
NO. 1	AS SHOWN	61883
OF 4		Y

CE487-185-1

SD FILE NO. 186

3/29/62

DELETED 1-5-62

R/W THRU WHITE FLINT PROP. | B&O R.R. R/W

Existing R.R. Fill Embankment

Approved ℄ Grade

Original R.R. Embankment

Ex. Ground Oct. 1961

Fill to Provide 1' minimum cover over pipe See detail sht. 4 of 4

35' to top of fill

This pipe to be removed by others.

48" RCP Cl. IV @ 2.00%

Ex. Stone Culvert 5' wide 6' high @ 1.2%

Ex. 42" RCP

274.5 273.2 271.3 270.3 268.3

280 275 270 265

1+50 0+51 0+00

ROKEBY AVENUE

M-N.C.P.&P.C. File #4170 Nov. 16, 1960

Approved ℄ Grade Approx. exist. ground

℄ Court

℄ Waycross Way

℄ Rokeby Place

Ex. 30" RCP @ 2.67%

307.5 306.6

Connect to Ex. 30" RCP

2.67% 30" RCP Cl. III

1.97%

30" RCP Cl. III @ 2.75%

8"S

w/ic 304.0 w/ic 303.6 w/ic 301.6 w/ic 299.0 w/ic 299.2 w/ic 296.5 w/ic 292.8 w/ic 290.8 w/ic 288.5 w/ic 286.0

2+88 + 30"x15" Field Conn. Inv. Elev. = 303.6

2+25 Grade Break = 301.6

8'S 299.0 8'S 296.5 8'S 293.6

297.2 295.2

24+60 = 30"x15" Field Conn. Inv. Elev. 294.5

4+10 3+20 0+00

Design Grade Over pipe Approx. exist. ground

Approved ℄ Grade Approx. exist. ground

Original Ground

33" RCP Cl. IV @ 3.62%

42" RCP Cl. III @ 2.25%

42" RCP Cl. III @ 1.90%

286.5 286.1 283.6 282.0 276.1 275.7 274.5

10"W. Field Elev. Top = 281.8

8'S 278.8 8'S 277.5 8'S 276.2

w/ic 278.8 w/ic 277.5 w/ic 276.2 w/ic 276.3 w/ic 274.5

0+00 0+73 2+67 0+00 0+67 0+00

280 275 270 265 260

WAYCROSS WAY

M-N.C.P.&P.C. File #5900 Nov. 16, 1960

Center of Court

Design Grade over pipe

Approved ℄ Grade Approx. exist. ground

℄ Rokeby Ave.

℄ Waycross Way

Original Ground

Design Grade over Pipe

24" RCP Cl. IV @ 2.50%

Ex. Stream

274.0 274.4

15" RCP Cl. IV @ 3.20%

15" RCP Cl. IV @ 4.75%

15" RCP Cl. IV @ 2.84%

308.2 304.3 304.0 297.5 296.2 294.3

8"S 8'S 299.0 w/ic 302.0 w/ic 306.2 8'S 289.4 8'W 293.0

15" RCP Cl. IV @ 0.71%

296.5 296.3

8'S 295.1 8'S 293.6 8'S 291.6

15" RCP Cl. IV @ 1.58%

15" RCP Cl. IV @ 0.77%

303.8 305.0 304.0 305.3

8'W 302.3 8'S 296.7

15" RCP Cl. IV @ 1.05%

297.0 297.4

8'W 295.3 8'S 291.1

15" RCP Cl. IV @ 1.05%

278.1 277.1

10"W 276.2

1+26 0+00 1+40 0+00 0+71 0+00 0+31 0+00 0+44 0+00 0+40 0+00 0+42 0+00 0+43 0+00

315 310 305 300 295 290 285 280 275 270 265

PROFILES

Horiz. 1"=50'

Scale:

Vert. 1"=5'

Note: All S.H.C.'s on Rokeby Ave. & Waycross Way are at approx. same elev. as main line sewer

℄ Rokeby Ave.

21" RCP Cl. IV @ 2.50%

Fut. 21" RCP

Existing Ground

275.1 274.7 273.5

0+18 0+00

280 275 270

DRAWN
TRACED
CHECKED Vinal
EXAMINED
STARTED

WASHINGTON SUBURBAN SANITARY COMMISSION

APPROVED January 4, 1962 DATE

R. L. Hunter J. M. McFarland CHIEF ENGINEER

STORM DRAINS
AUTHOR
APRIL 10, 1961
JOB NO.
61DW5049

SUPERVISION FOR MAIN LINES ONLY REQUIRED BY DEPT. OF STATE FORESTS & PARKS BALTIMORE, MD.

EXAMINED FOR
SEWER & WATER
R/W REQ'D
OTHER UTILITIES

Thomas G. Oyster & Associates, Inc.
Engineers & Surveyors
Wheaton Maryland

CONTRACT NO. 0190-DW

WINDHAM DISTRICT
STORM DRAINS
ORLEANS WAY and ROKEBY AVENUE IN WHITE FLINT PARK

DRAWING NO. 2 OF 4

SCALE AS SHOWN

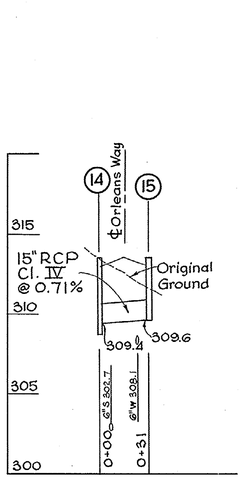
61884 Y

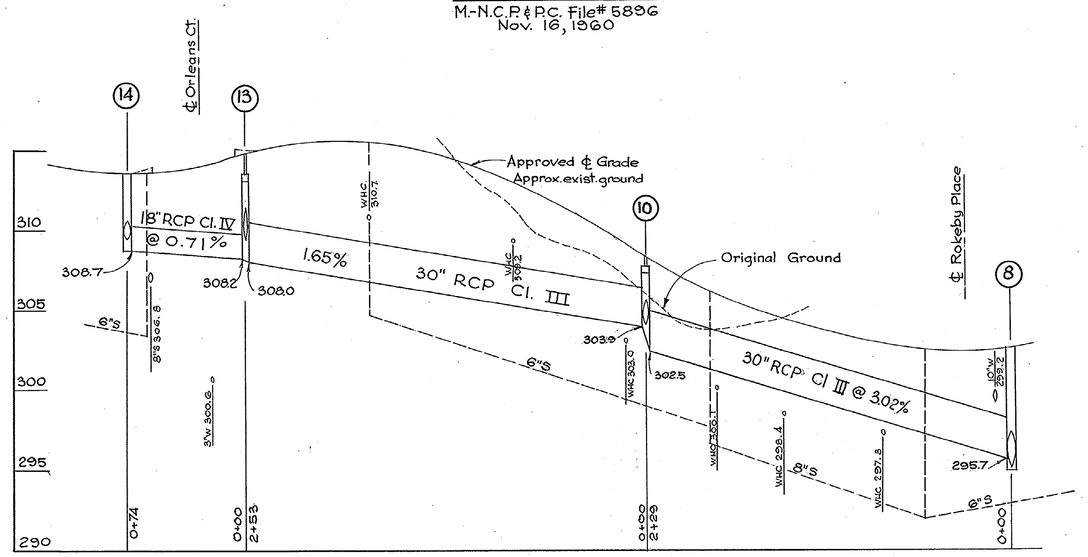
CE 487-185-2

Maryland State Archives

ORLEANS WAY

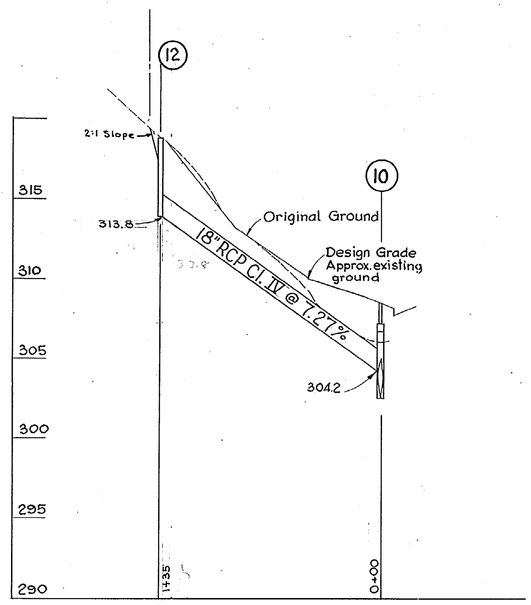
M-N.C.P.&P.C. File # 5896
Nov. 16, 1960





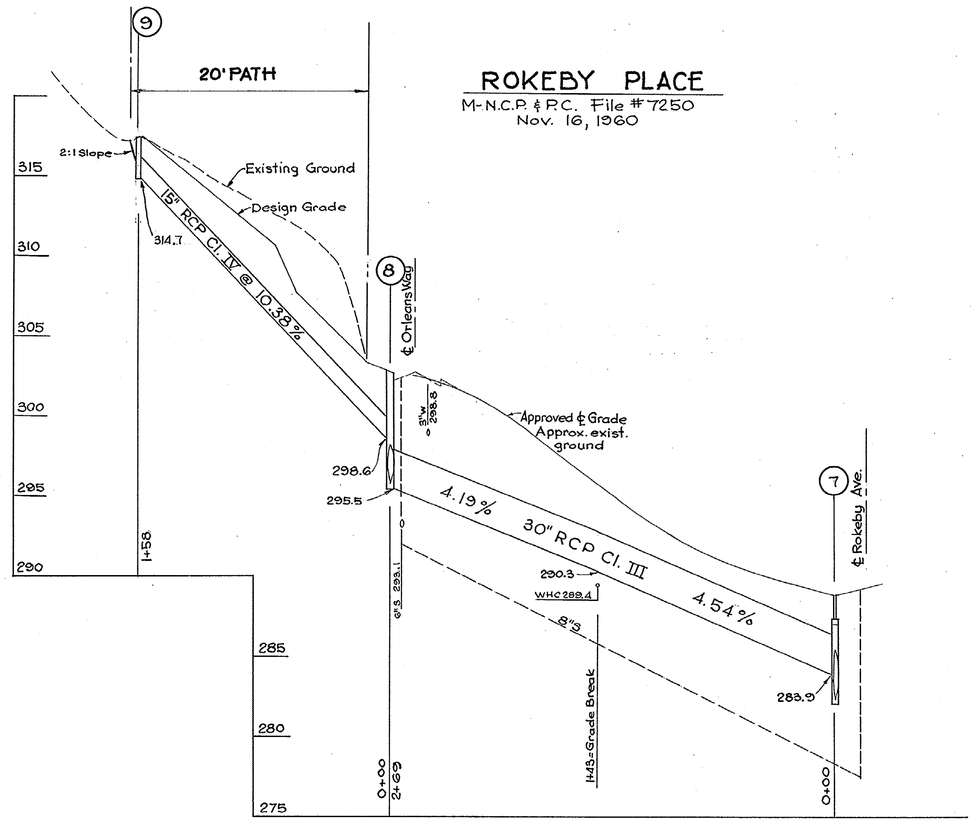
Note: All S.H.C.'s on Orleans Way & Rokeby Place are at approx. same elev. as main line sewer.

12' EASEMENT



ROKEBY PLACE

M-N.C.P.&P.C. File # 7250
Nov. 16, 1960

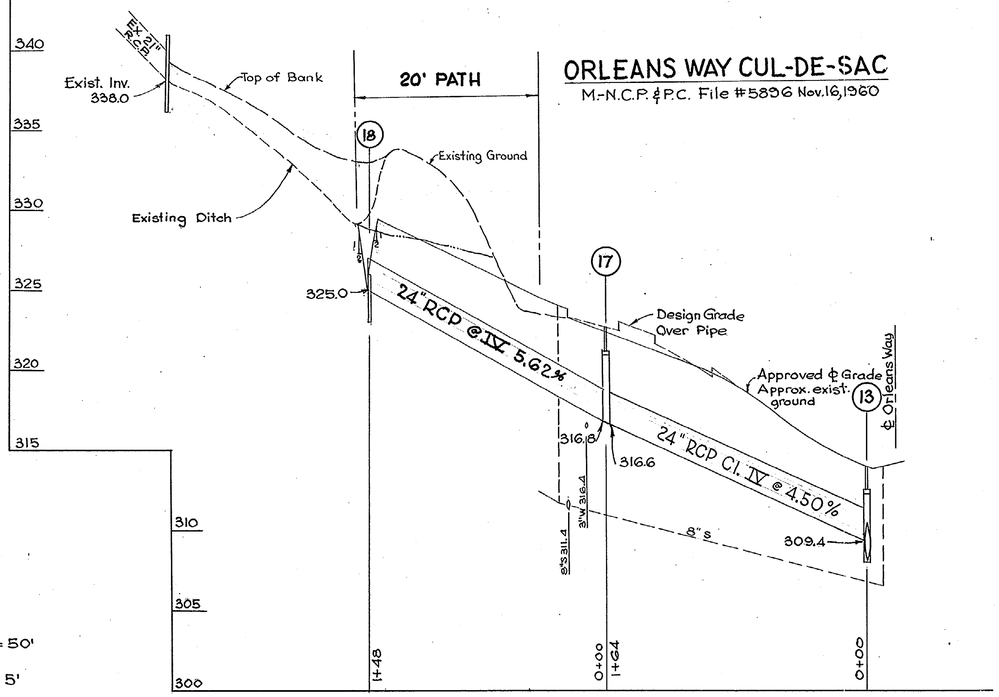


PROFILES

Scale : Horiz. = 1" = 50'
Vert. = 1" 5'

ORLEANS WAY CUL-DE-SAC

M-N.C.P.&P.C. File #5896 Nov. 16, 1960

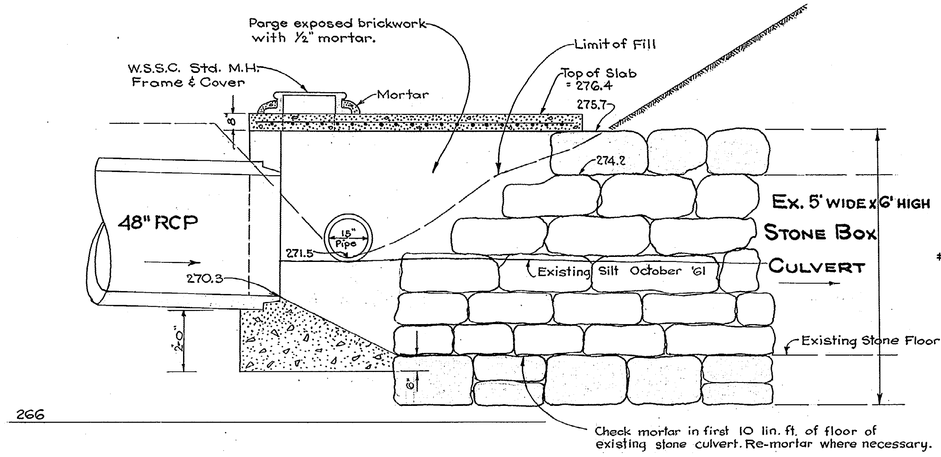


DRAWN TRACED CHECKED YAK EXAMINED STARTED	WASHINGTON SUBURBAN SANITARY COMMISSION	APPROVED January 4, 1962 (DATE) Robert J. McFarland (CHIEF ENGINEER)	STORM DRAINS AUTHOR APRIL 10, 1961 JOB NO. 61DW5049	SUPERVISION FOR MAIN LINES ONLY REQUIRED BY DEPT. OF STATE FORESTS & PARKS BALTIMORE, MD.	EXAMINED FOR SEWER & WATER R/W REQ'D OTHER UTILITIES	Thomas G. Oyster & Associates, Inc. Engineers & Surveyors Wheaton, Maryland	CONTRACT NO. 0190-DW	WINDHAM DISTRICT STORM DRAINS ORLEANS WAY and ROKEBY AVENUE IN WHITE FLINT PARK	DRAWING NO. 3 OF 4 SCALE AS SHOWN 61885 Y

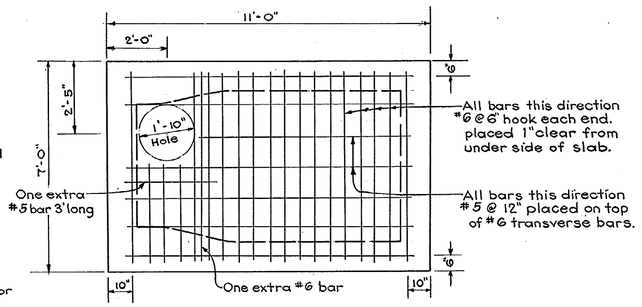
CE487-185-3

SD FILE NO. 186

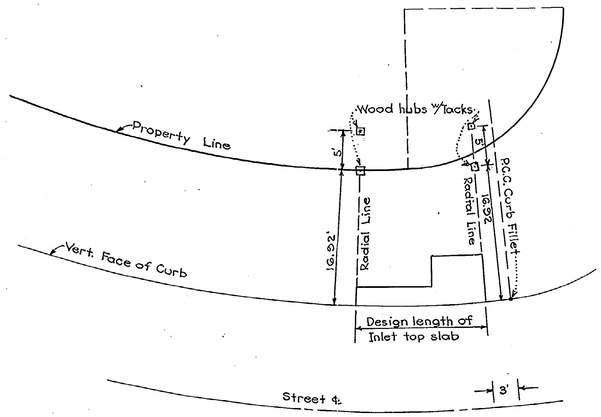
Maryland State Archives



SECTION A-A



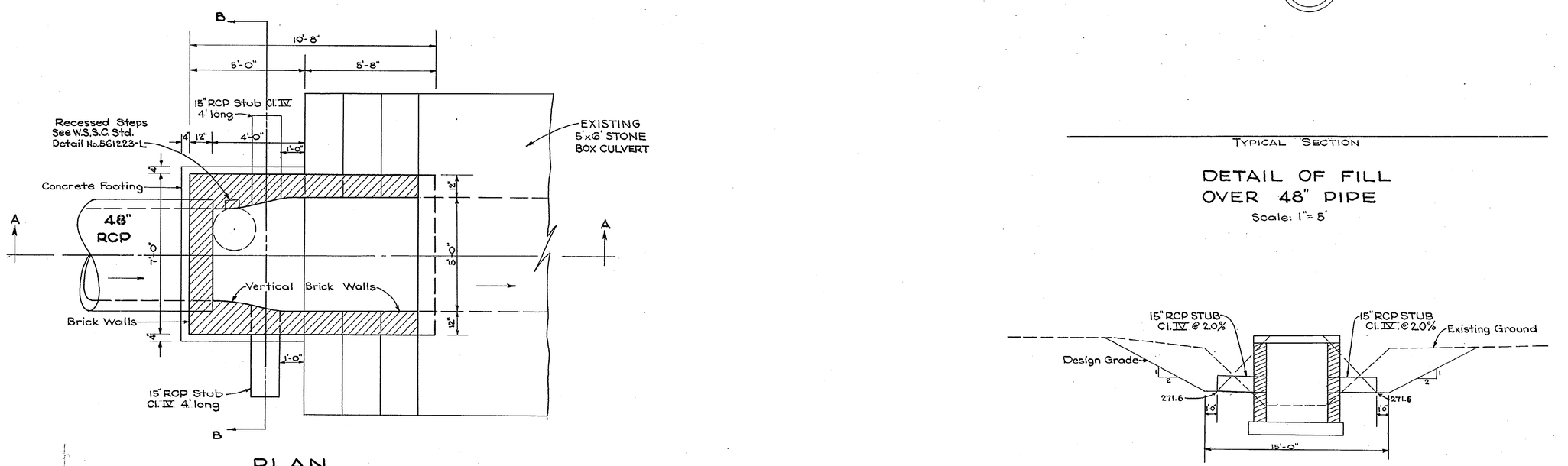
TOP SLAB



STAKEOUT OF INLETS ON HORIZONTAL CURVES

SCALE: 1"=10'

All stakes shown to be placed by developer's engineer.

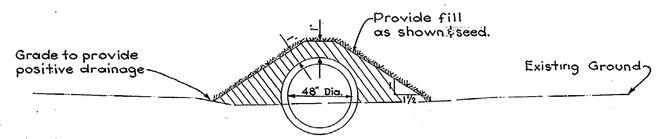


PLAN
(Slab Removed)

MANHOLE NO. 1

SCALE: 3/8"= 1'-0"

All details not shown to be same as W.S.S.C. Type B Manhole.



TYPICAL SECTION

DETAIL OF FILL OVER 48" PIPE

Scale: 1"= 5'

Elevation 260

SECTION B-B

Scale: 1"= 5'

DATE	DESCRIPTION
	REVISIONS
	CONTRACT NO.

DRAWN / TRACED / CHECKED / EXAMINED / STARTED	WASHINGTON SUBURBAN SANITARY COMMISSION	APPROVED January 4, 1962 (DATE) Robert J. McLeod CHIEF ENGINEER	WATER / SEWER; AUTHOR; JOB NO.	SUPERVISION FOR MAIN LINES ONLY REQUIRED BY DEPT. OF STATE FORESTS & PARKS BALTIMORE, MD.	EXAMINED FOR: STORM SEWERS; R/W REQ'D; OTHER UTILITIES	Thomas G. Oyster & Associates, Inc. Engineers & Surveyors Wheaton, Maryland	CONTRACT NO. 0190-DW

WINDHAM DISTRICT
STORM DRAINS
ORLEANS WAY and ROKEBY AVE. in WHITE FLINT PARK

DRAWING NO. 4 OF 4 — 61886 Y

CE 487-185-4

SD FILE NO. 186

Maryland State Archives