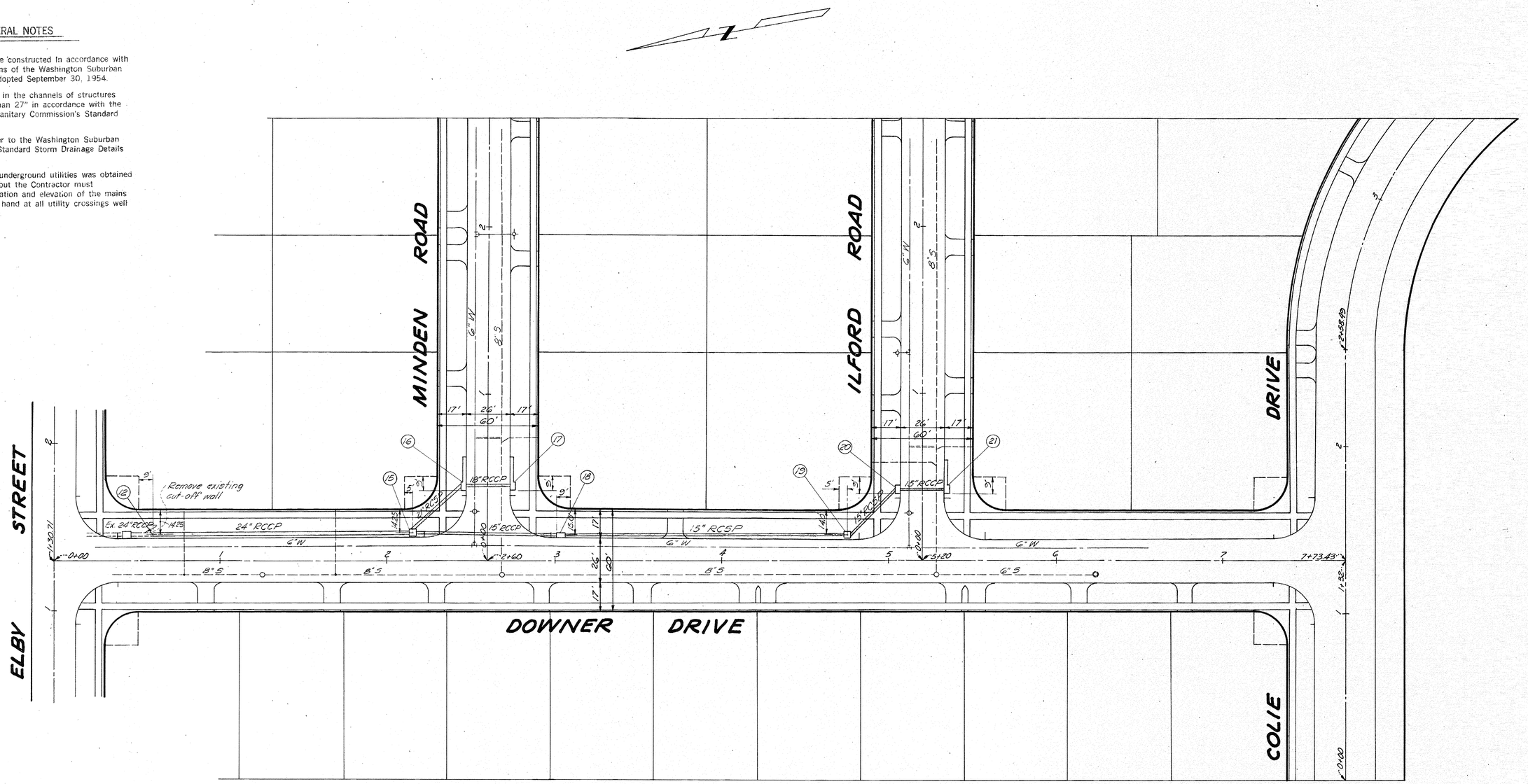
GENERAL NOTES

1. All storm drains shall be constructed in accordance with the General Specifications of the Washington Suburban Sanitary Commission, adopted September 30, 1954.
2. Steps shall be provided in the channels of structures involving pipes larger than 27" in accordance with the Washington Suburban Sanitary Commission's Standard Detail.
3. Types of structures refer to the Washington Suburban Sanitary Commission's Standard Storm Drainage Details unless otherwise noted.
4. Information concerning underground utilities was obtained from available records, but the Contractor must determine the exact location and elevation of the mains by digging test pits by hand at all utility crossings well in advance of trenching.



PLAN

SCALE: 1" = 30'

STRUCTURE SCHEDULE			
NO.	TYPE	Top&Elev.	REMARKS
15	B-Manhole	344.0	48"sq. WSSC Std.
16	J-1 Inlet	346.0	See Detail Sht.#3
17	J-1 Inlet	346.0	See Detail Sht.#3
18	A-1 Inlet	348.3	WSSC Std.
19	B-1 Manhole	358.7	48"sq. WSSC Std.
20	A-1 Inlet	360.3	WSSC Std.
21	J-1 Inlet	360.3	See Detail Sht.#3

PIPE SHEDULE		
SIZE	TYPE	LENGTH
15"	RCSP	205'
15"	RCCP	111'
18"	RCCP	27'
21"	RCSP	39'
24"	RCCP	154'

SD#D-20, 59041Y

WASHINGTON SUBURBAN SANITARY COMMISSION
APPROVED April 28, 1959
FOR STORM DRAINS ONLY
SUBJECT TO PRIOR INSTALLATION OF WATER & SEWER AND PAYMENT FOR MOVING ANY W.S.S.C. STRUCTURES AFFECTED.
THE STORM DRAINAGE STRUCTURES SHOWN ON THIS PLAN ARE APPROVED AS TO DESIGN AS A CONSTITUENT PART OF THE STORM DRAINAGE SYSTEM FOR THIS DRAINAGE AREA. THIS COMMISSION ASSUMES NO RESPONSIBILITY WHATSOEVER FOR ANY DAMAGE WHICH MAY BE CAUSED TO ADJACENT PROPERTY OWNERS, OR TO OTHERS GENERALLY, BY REASON OF THE INSTALLATION OF THE DRAINAGE STRUCTURES SHOWN HEREON.
SENIOR DESIGNING ENGINEER
THE W.S.S.C. CONSTRUCTION DIVISION SHALL BE NOTIFIED THREE DAYS IN ADVANCE OF BEGINNING CONSTRUCTION.

Sheet 1 of 3

PAVING & STORM DRAINAGE PLAN
DOWNER DRIVE
CONNECTICUT AVENUE PARK
MONTGOMERY COUNTY, MARYLAND

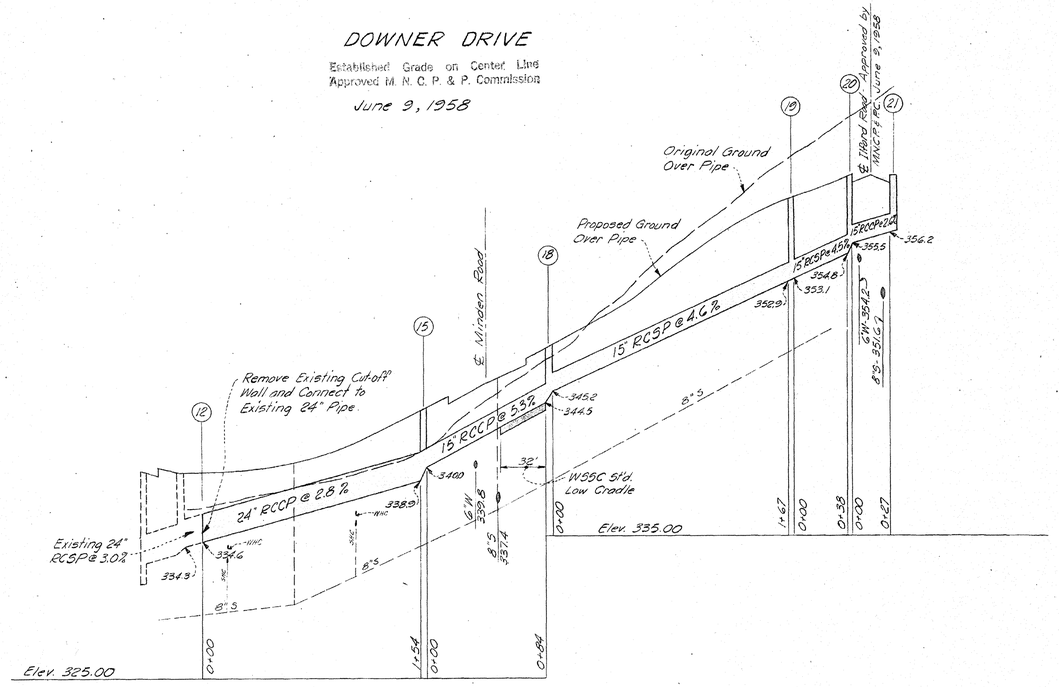
DESIGNED BY M.M.	SCALE 1" = 30'	DATE Feb., 1959
DRAWN BY E.J.E.	GREENHORNE AND O'MARA CIVIL ENGINEERS LAND SURVEYORS 4634 BALTIMORE AVENUE, HYATTSVILLE, MD.	
APPROVED BY	OWNER Conn. Ave Park, Inc. University Blvd. W. at Wood St. Silver Spring, Md.	JOB NO. 58-62 FILE NO. SD-260

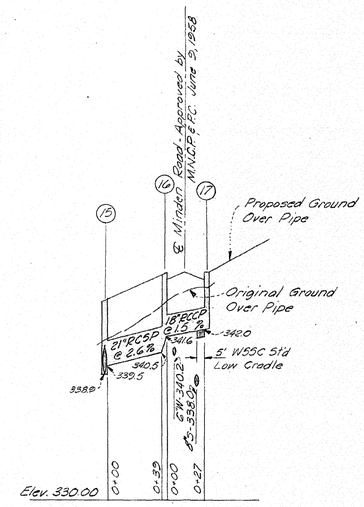
CE487-394-1

SD FILE NO. 398

DOWNER DRIVE

Established Grade on Center Line
Approved M. N. C. P. & P. Commission
June 9, 1958





PROFILES

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

SD # D-20, 59041Y
WASHINGTON SUBURBAN SANITARY COMMISSION
APPROVED APRIL 28, 1959
FOR STORM DRAINS ONLY
SUBJECT TO PRIOR INSTALLATION OF WATER & SEWER AND PAYMENT FOR MOVING ANY W.S.S.C. STRUCTURES AFFECTED.
THE STORM DRAINAGE STRUCTURES SHOWN ON THIS PLAN ARE APPROVED AS TO DESIGN AS A COMPONENT PART OF THE STORM DRAINAGE SYSTEM FOR THIS DRAINAGE AREA. THIS COMMISSION ASSUMES NO RESPONSIBILITY WHATSOEVER FOR ANY DAMAGE WHICH MAY BE CAUSED TO ADJACENT PROPERTY OWNERS, OR TO OWNERS DOWNSTREAM, BY REASON OF THE INSTALLATION OF THE DRAINAGE STRUCTURES SHOWN HEREON.
SENIOR DESIGNING ENGINEER
THE W.S.S.C. CONSTRUCTION DIVISION SHALL BE NOTIFIED THREE DAYS IN ADVANCE OF BEGINNING CONSTRUCTION.

Sheet 2 of 3

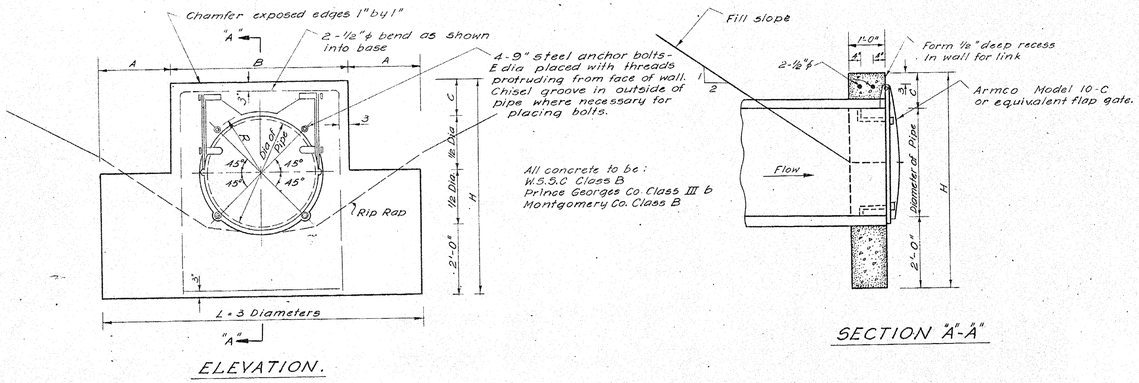
PAVING & STORM DRAINAGE PLAN
DOWNER DRIVE
CONNECTICUT AVENUE PARK
MONTGOMERY COUNTY, MARYLAND

DESIGNED BY MM	SCALE As Shown	DATE Feb. 1959
DRAWN BY E.J.E.	GREENHORNE AND O'MARA CIVIL ENGINEERS LAND SURVEYORS 4634 BALTIMORE AVENUE, HYATTSVILLE, MD.	
APPROVED BY	OWNER Conn. Ave. Park, Inc.	JOB NO. 59-62 FILE NO. 30-260

CE487-394-2

SD FILE NO. 398

Maryland State Archives



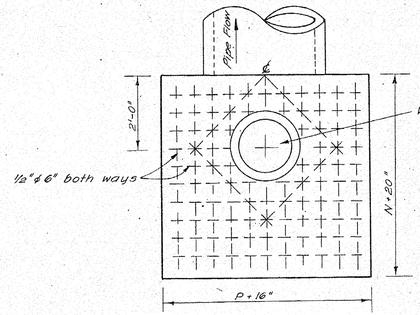
ELEVATION.

SECTION "A"-"A"

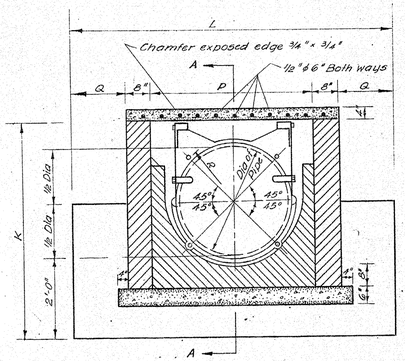
VOID
SPECIAL CUT OFF WALL WITH FLAP GATE AT OUTLET.

No Scale

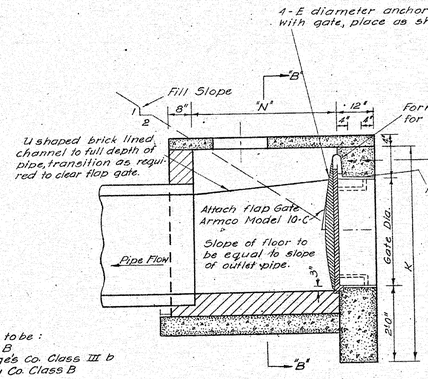
GATE DIAM.	A	B	C	H	L	R	E	CU.YD. CONC.
60"	4'0"	7'0"	1'3"	8'3"	15'0"	34 1/4"	1"	2.7
54"	3'6"	6'6"	1'3"	7'9"	13'6"	31 1/8"	1"	2.4
48"	3'0"	6'0"	1'3"	7'3"	12'0"	27"	3/4"	2.0
42"	2'6"	5'6"	1'0"	6'6"	10'6"	23 1/8"	3/4"	1.7
36"	2'0"	5'0"	1'0"	6'0"	9'0"	20 7/8"	3/4"	1.4
30"	1'6"	4'6"	1'0"	5'6"	7'6"	17"	3/4"	1.1
24"	1'0"	4'0"	1'0"	5'0"	6'0"	13 3/4"	5/8"	.85
21"	10 1/2"	3'6"	1'0"	4'9"	5'3"	12 1/8"	5/8"	.66
18"	9"	3'0"	1'0"	4'6"	4'6"	10 1/2"	5/8"	.60
15"	7 1/2"	2'6"	1'0"	4'3"	3'9"	8 7/8"	1/2"	.47



SLAB PLAN



SECTION "B"-"B"



SECTION A-A

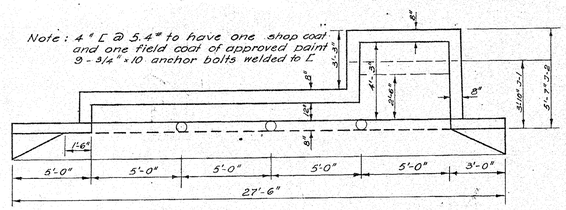
All concrete to be :
W.S.S.C. Class B.
Prince Georges Co. Class III b
Montgomery Co. Class B

VOID
SPECIAL ENTRANCE STRUCTURE WITH FLAP GATE AT ENTRANCE

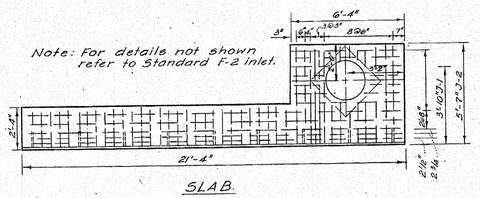
No Scale

GATE DIAM.	E	L	K	N	P	Q	R"	CU. YD. CONC.
60"	1"	15'0"	8'4"	6'6"	6'8"	42"	34 1/4"	4.92
54"	1"	13'6"	7'10"	5'9"	6'0"	37"	31 1/8"	4.22
48"	3/4"	12'0"	7'2"	5'4"	5'6"	31"	27"	3.56
42"	3/4"	10'6"	6'6"	4'8"	5'0	25"	23 1/8"	2.97
36"	3/4"	9'0"	5'9"	4'0"	4'6	19"	20 7/8	2.39
30"	3/4"	7'6"	5'3"	3'6"	4'0"	13"	17"	1.95
24"	5/8"	6'0	4'9"	3'0"	3'6"	7"	13 3/4"	1.55
21"	5/8"	5'3"	4'6"	2'9"	3'3"	4"	12 1/8"	1.35
18"	5/8"	4'4"	4'4"	2'3"	3'0"	0"	10 1/2"	1.10
15"	1/2"	3'10"	4'0"	2'0"	2'8"	.0"	8 7/8"	.94

NOTE.
Purge exposed portion of brick walls. Flap gates shall be furnished with brass studs, bushings and nuts and bronze cotter pins.



PLAN BELOW SLAB.



SLAB.

STRUCTURES #16, #17 & #21

DETAIL "J-1" INLET.

SCALE: 1/4"=1'-0"

SD #D-20,5904 I Y

WASHINGTON SUBURBAN SANITARY COMMISSION
APPROVED APRIL 28, 1959
FOR CONN. EXT. USE ONLY
BENIOR DESIGNING ENGINEER

Sheet 3 of 3

STORM DRAINAGE & PAVING PLAN
DOWNER DRIVE
CONNECTICUT AVENUE PARK
MONTGOMERY COUNTY, MARYLAND

Designed by	Scale As Shown	Date Feb, 1959
Drawn by E.R.	GREENHORNE AND O'MARA CIVIL ENGINEERS - LAND SURVEYORS 4634 BALTIMORE AVE, HYATTSVILLE, MD.	
Approved by	Owner : CONN. AVE. PARK, INC.	Job No. 59-62 File No. SD-260

CE487-394-3

SD FILE NO. 398

Maryland State Archives