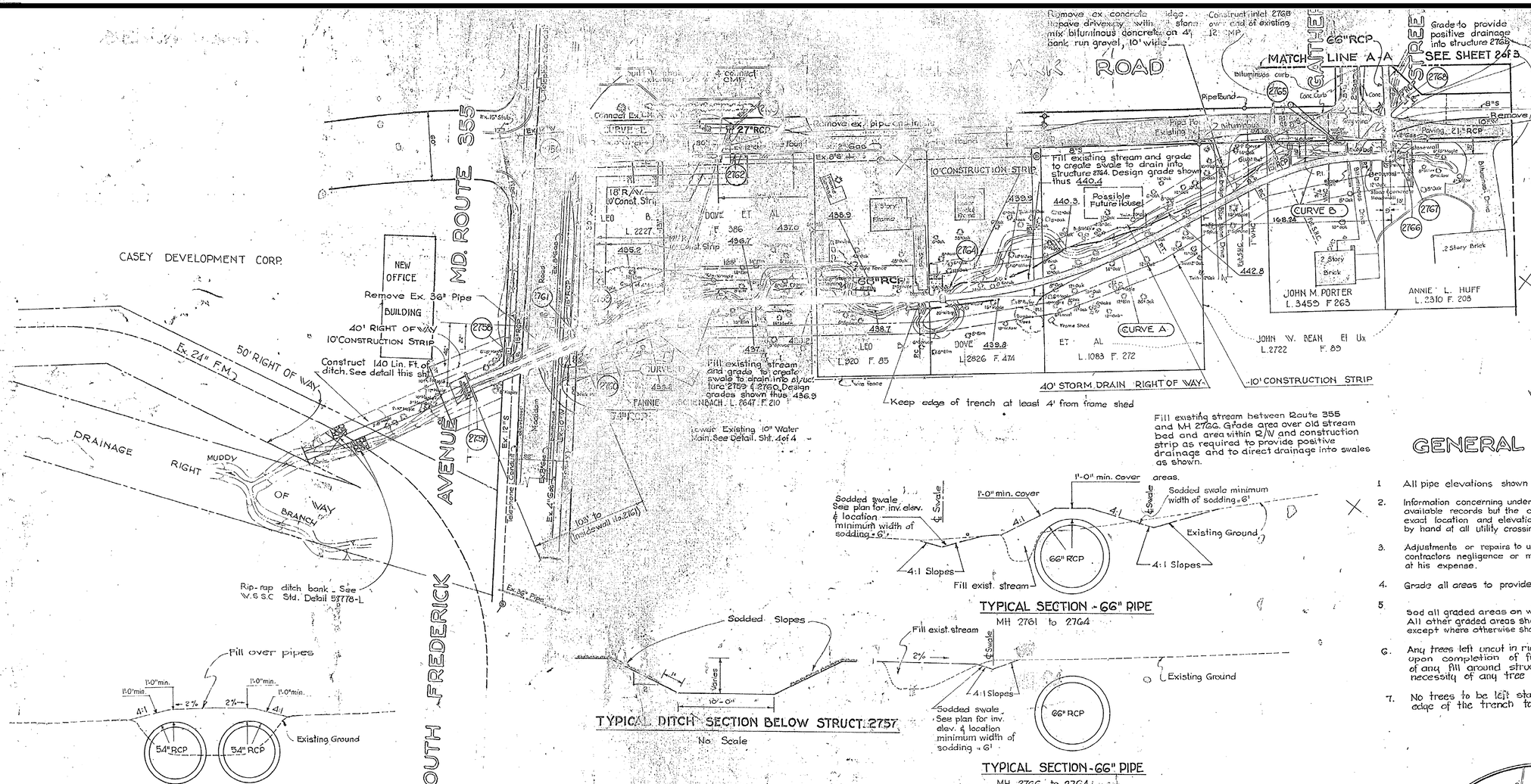


Fill existing stream between Route 355 and MH 2766. Grade area over old stream bed and area within R/W and construction strip as required to provide positive drainage and to direct drainage into swales as shown.

TYPICAL SECTION - 66" PIPE
MH 2761 to 2764

TYPICAL DITCH SECTION BELOW STRUCT. 2757
No Scale

TYPICAL SECTION - 66" PIPE
MH 2766 to 2764

TYPICAL SECTION - TWIN 54" PIPES
BELOW S. FREDERICK AVE.

BENCH MARKS

D.T.P. Elev. = 440.64
B.M. R.R Spike in Pepco Pole # G14227 in East corner of the intersection of North Frederick Ave. (Md. 355) & Deer Park Road.

D.T.P. Elev. = 446.17
B.M. R.R. Spike in Pepco Pole # G27200 in Deer Park Road on S.W. Side of the road at the intersection with Gaither Street.

D.T.P. Elev. = 459.490
B.M. Sq. cut on 1st. step on porch of house in lot 4 Block S.

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 made at his expense.
4. Grade all areas to provide positive drainage.
5. Sod all graded areas on which the slopes are 3:1 or greater. All other graded areas shall be seeded and mulched, except where otherwise shown or directed.
6. Any trees left uncut in right of way to be reinspected upon completion of final grading and the extent of any fill around structures will determine the necessity of any tree well construction.
7. No trees to be left standing within 5'-0" from the edge of the trench to side of trec.

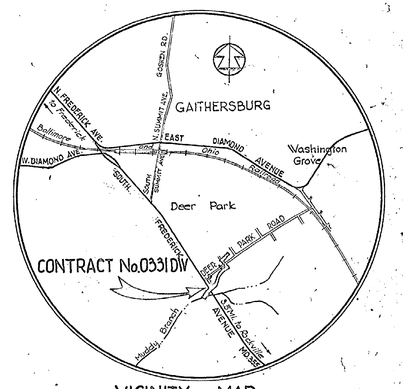
STRUCTURE SCHEDULE

No.	TYPE		W.	TOP ELEVATION	REMARKS
2757	Endwall with velocity detail Sheet 4 of 4			check	See W.S.S.C. Standard L Modified - 25-0"
2758	D	Inlet		455.80	W.S.S.C. Std. Open NE & NW sides
2759	D	Inlet		455.60	" " Open NE, NW & SW sides
2760	D	Inlet		456.50	" " " NW & NE side
2761	Special Manhole			457.60	See detail Sht. 4 of 4 ***
2762	J	Inlet w/grate	3.00	440.20	M.S.R.C. "Modified" *
2763	J	Inlet w/grate	2.00	440.40	" " *
2764	B	Manhole		440.40	W.S.S.C. Std. Open NE & SE sides
2765	D	Inlet		444.50	" " open NE side.
2766	B	Manhole	84"sq.	445.82	Construct slab 1' clear above top of 66" RCP. **
2767	D	Inlet		444.80	W.S.S.C. Std. Open NW, NE & SE sides
2768	J	Inlet w/grate	2.00	445.50	M.S.R.C. "Modified" *
2769	B	Manhole	84"sq.	449.40	W.S.S.C. Standard
2770	D	Inlet		448.00	W.S.S.C. Std. Open NE & NW sides
2756	B	Manhole	48"sq.	439.50	***

* See Special Specifications for Detail Drawing.
# Place 1" round horizontal bar in center of all openings.
** 4" thick slab with inlet frame & cover. Provide 4"x6" slot on N.W. side below slab. Reinforcement as per std. "D" inlet.
*** 6" thick slab with Manhole frame & cover set into slab.

PIPE CURVE DATA

Curve	Radius	Arc	Tangent	Chord	Delta	Max. Laying Length of pipe
A	464.00	215.98	110.00	214.07	26°40' 25"	8'
B	220.00	102.16	52.00	101.26	26°21' 58"	5'
C	280.00	82.40	41.50	82.10	16°51' 40"	6'
D	360.00	138.16	70.00	137.52	22°00' 00"	8'
E	265.00	21.59	10.85	21.73	4°40' 00"	8'



VICINITY MAP
Scale 1" = 2000'

STATE OF MARYLAND — ALLEN E. IMUS — REGISTERED PROFESSIONAL ENGINEER

Allen E. Imus Jr.

DATE	DESCRIPTION
	REVISIONS
CONTRACT NO.	0331 DW

E. M. S.
Checked: MW
Examined: S

7-6-3060

DRAWN	
TRACED	
CHECKED MW	
EXAMINED	
STARTED	

WASHINGTON SUBURBAN SANITARY COMMISSION

APPROVED November 3, 1969 (DATE)
Chief Engineer

STORM DRAIN	
AUTHOR	
9-24-65	
JOB NO.	
63 DW 1814	

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

EXAMINED FOR	
WATER & SEWER	10/21/68
S.W. ROAD	10/24/68
CITY UTILITIES	10/22/68

THOMAS G. DYSTER & ASSOCIATES, INC.
ENGINEERS & SURVEYORS
2419 Reedie Dr.
WHEATON, MARYLAND
949-2011

CONTRACT No. 0331 DW

GAITHERSBURG DISTRICT
STORM DRAINS
DEER PARK - MONTGOMERY COUNTY - MARYLAND

DRAWING NO. 1 OF 4

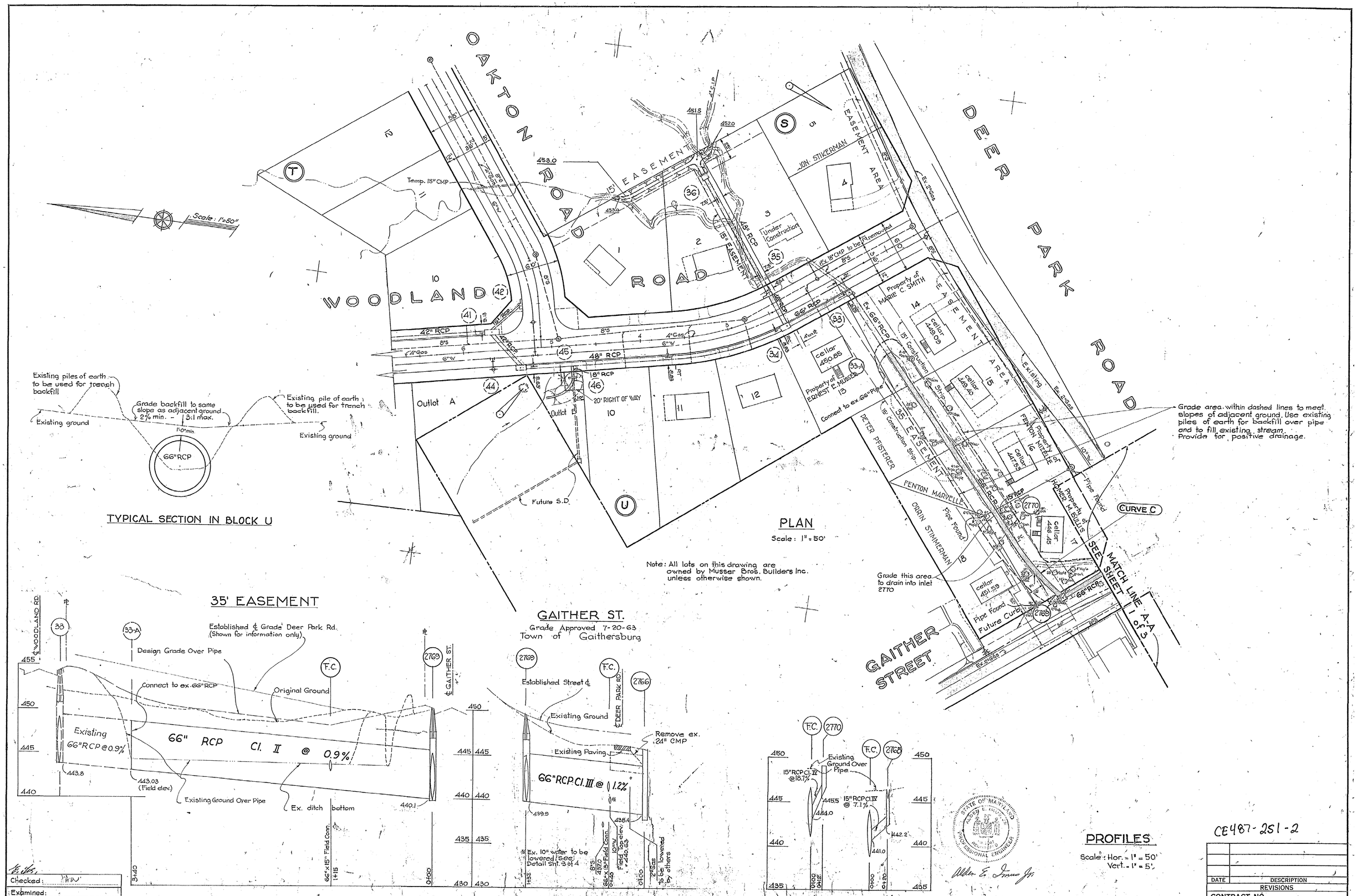
223 NW 9
(25 19 62)
Y

CE 487-251-1

SD FILE NO. 252

1303 K-1

Maryland State Archives



CE487-251-2

DATE	DESCRIPTION
	REVISIONS

CONTRACT NO.

Checked:
Examined:

DRAWN / TRACED / CHECKED / EXAMINED / STARTED	WASHINGTON SUBURBAN SANITARY COMMISSION	APPROVED November 3, 1966 DATE / CHIEF ENGINEER	WATER / SEWER / AUTHOR / JOB NO.	SUPERVISION FOR MAIN LINES ONLY REQUIRED BY DEPT. OF STATE FORESTS & PARKS BALTIMORE, MD.	EXAMINED FOR: WATER & SEWER / R/W REQ'D / OTHER UTILITIES	THOMAS G. OYSTER & ASSOCIATES, INC. ENGINEERS & SURVEYORS 2419 Reedie Drive WHEATON - MARYLAND 949-2011	CONTRACT No. 0331 DW

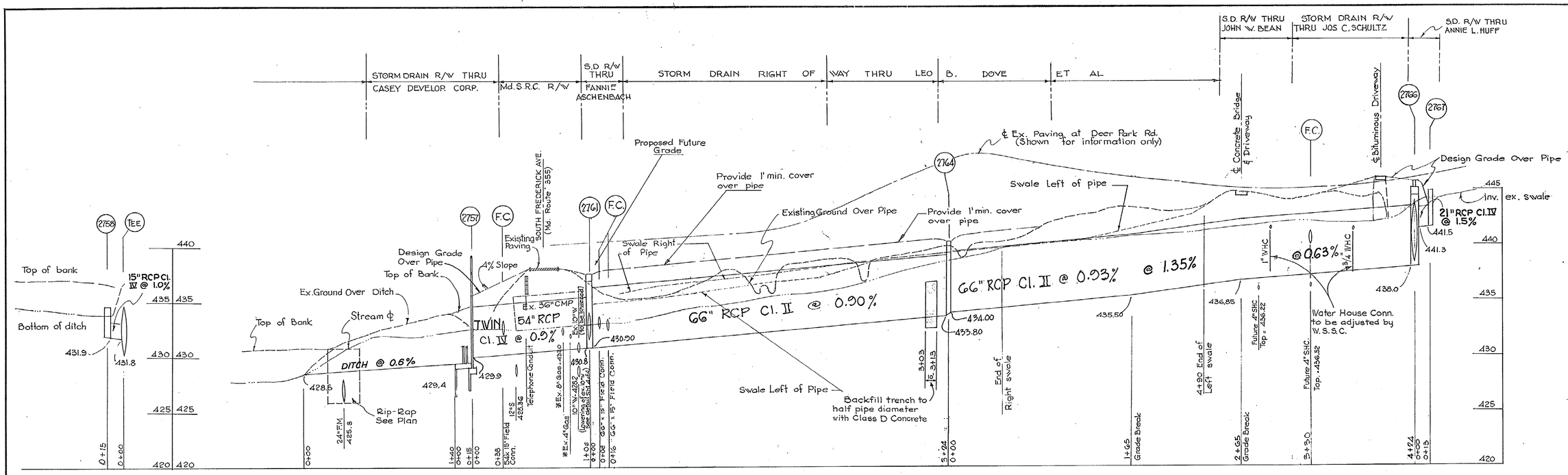
GAITHERSBURG DISTRICT
STORM DRAINS
Woodland Rd. Tulip Dr. Oakton Rd. & Deer Park Road
DEER PARK - Montgomery County - MARYLAND

DRAWING NO. 2 OF 4

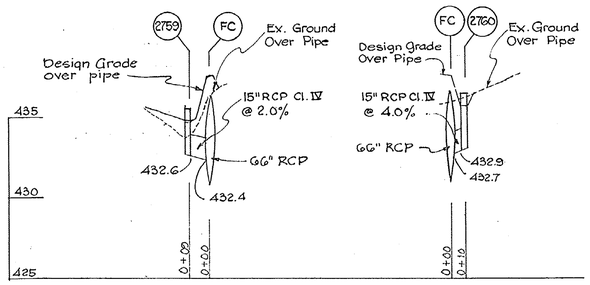
651970 Y

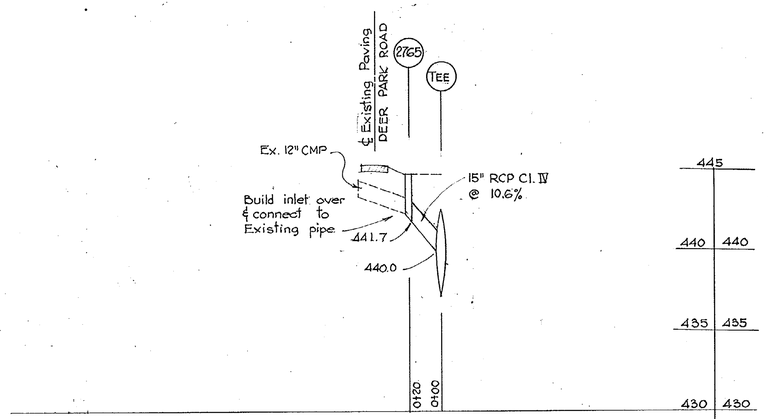
SD FILE NO. 252

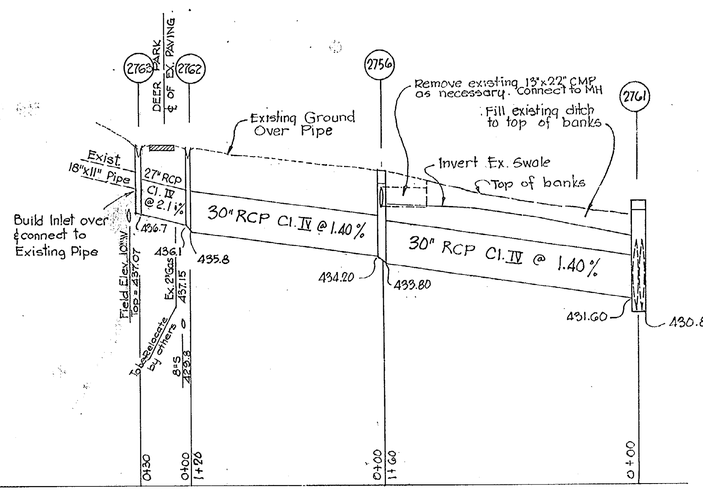
1303-K-1



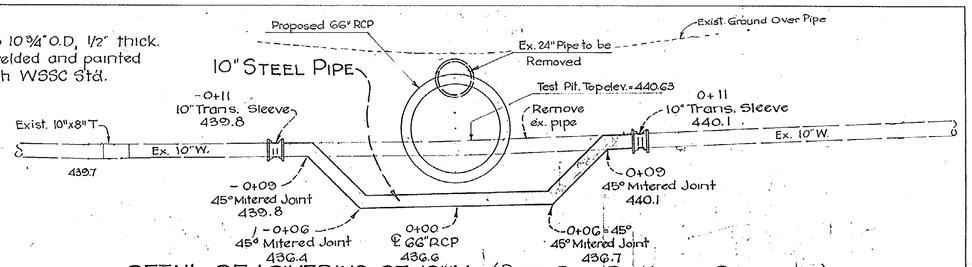
* Ex. Gas to be lowered by others.







Steel water pipe to 10¾"O.D, ½" thick. Steel pipe to be welded and painted in accordance with WSSC Std. Detail G51239-L



DETAIL OF LOWERING OF 10"W. (DEER PARK RD. NEAR GAITHER ST.)

Scale: 1"=5'

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

STATE OF MARYLAND — ALDEN E. IMUS, JR. — No. 2041 REGISTERED PROFESSIONAL ENGINEER

Alden E Imus Jr

CE487-251-3

DATE	DESCRIPTION
	REVISIONS
	CONTRACT NO. 0331 DW

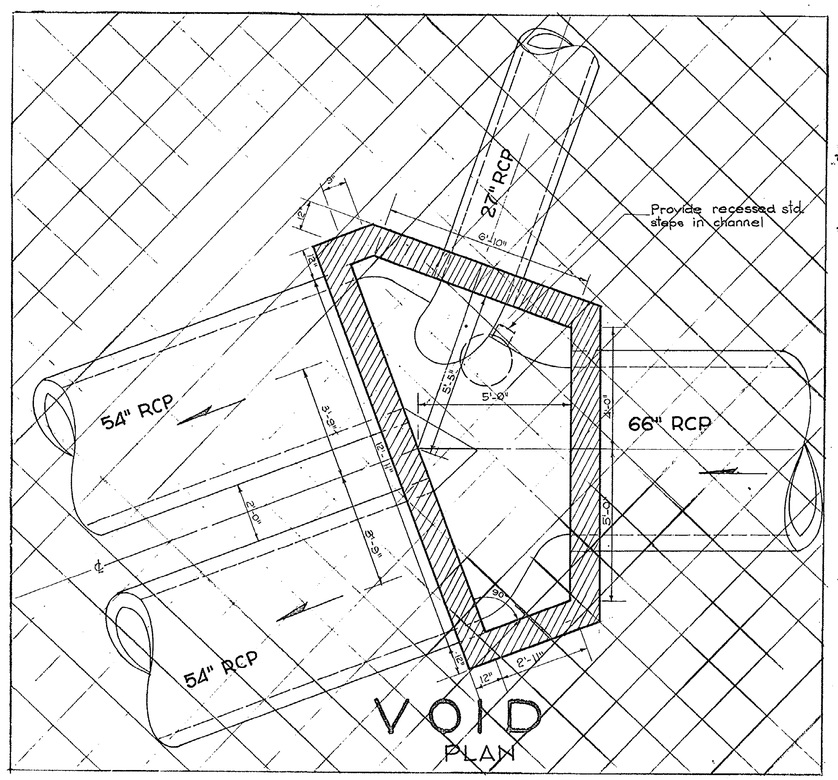
E.V.S.
Checked:
Examined
7-6-3060

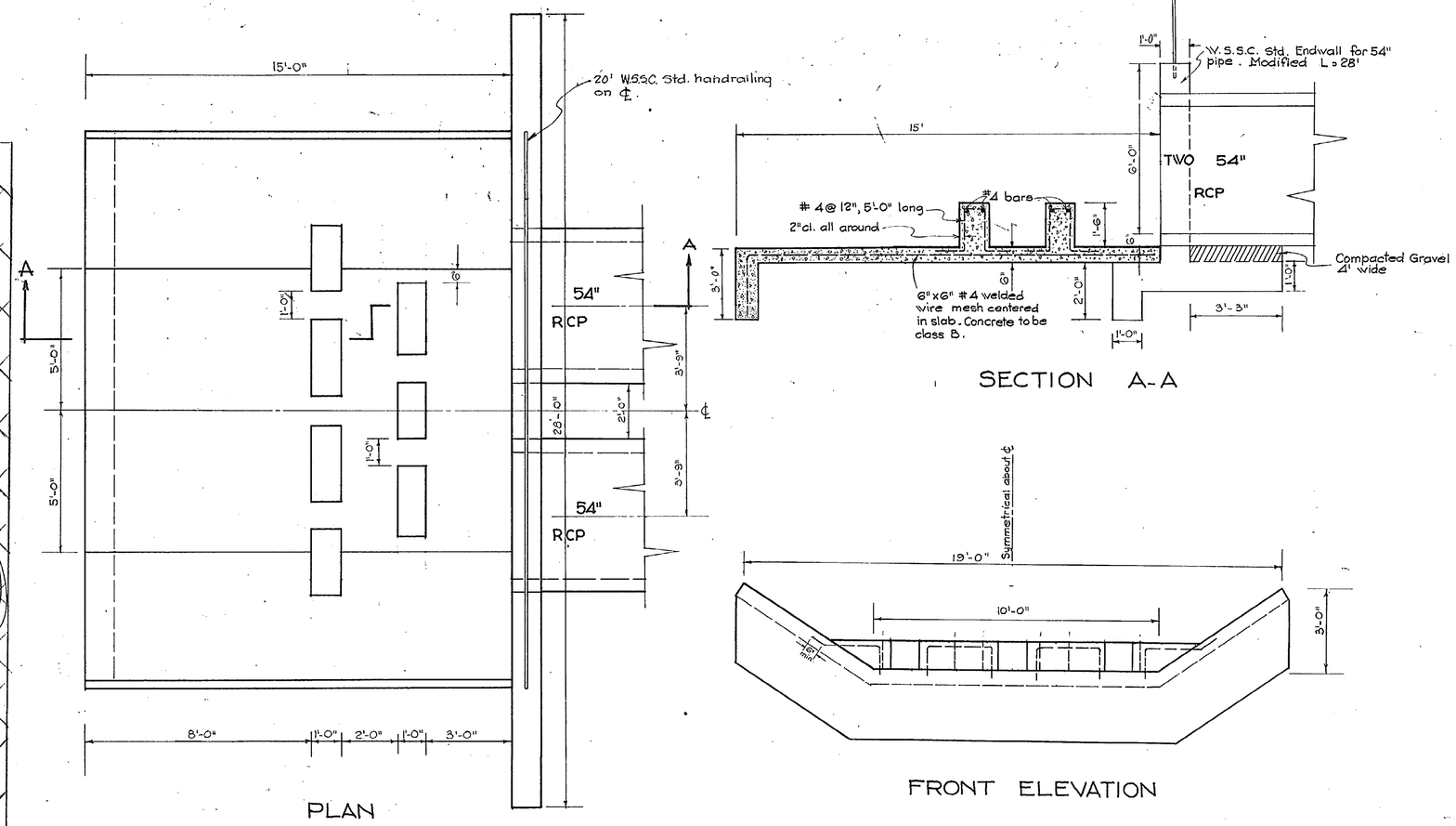
DRAWN	WASHINGTON SUBURBAN SANITARY COMMISSION	APPROVED November 3, 1960 (DATE) Chief Engineer	STORM DRAIN	SUPERVISION FOR MAIN LINES ONLY REQUIRED BY DEPT. OF STATE FORESTS & PARKS BALTIMORE, MD.	EXAMINED FOR	THOMAS G. OYSTER & ASSOCIATES, INC. Engineers & Surveyors 2419 Reedie Drive WHEATON - MARYLAND 949 - 2011	CONTRACT No. 0331 DW
TRACED			AUTHOR		WATER & SEWER		
CHECKED EVS			9-24-63		R/W REQ'D		
EXAMINED			JOB NO.		OTHER UTILITIES		
STARTED			63 DW 1814				

GAITHERSBURG DISTRICT
STORM DRAINS
DEER PARK — MONTGOMERY COUNTY — MARYLAND

DRAWING NO. 3 OF 4 — G51071 Y

SD FILE NO. 252 — 1303-K-1



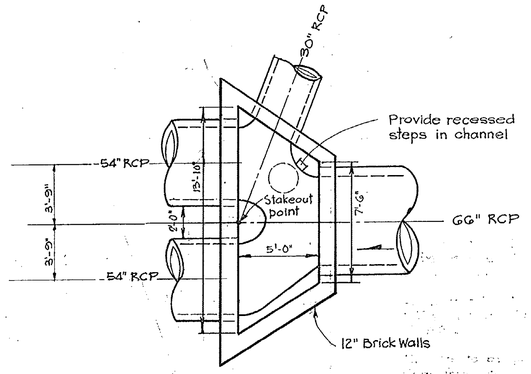


VELOCITY CHECK

Note: For details of endwall not shown see W.S.S.C. Detail No. 60743-L

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

STRUCTURE No. 2757



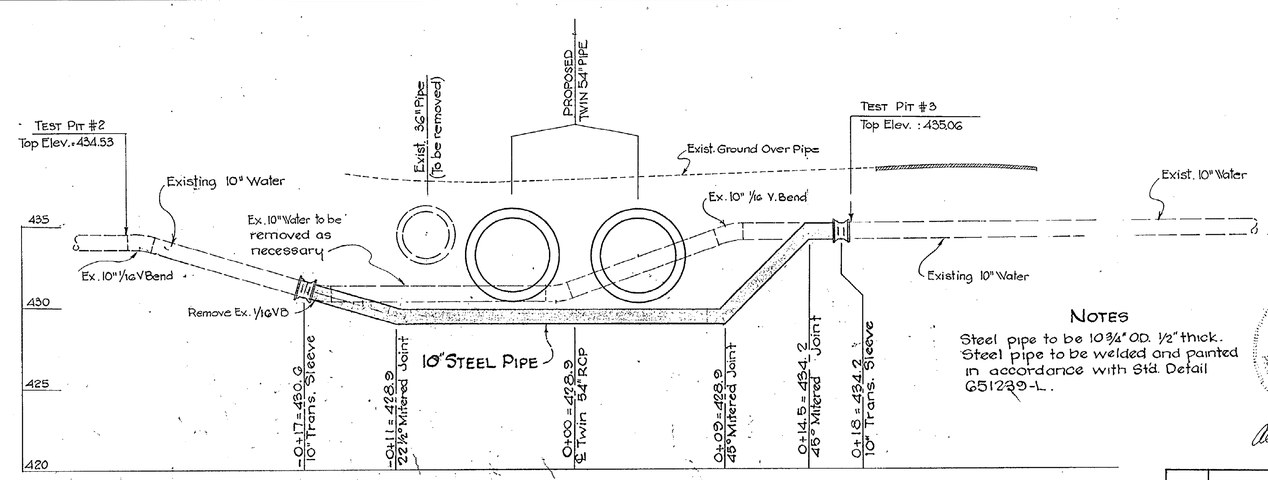
Top slab shall be 8" thick with manhole frame and cover set into slab so top of frame is flush with top of slab

SPECIAL MANHOLE

STRUCTURE No. 2761

Scale: 1" = 5'-0"

Note: For Details not shown see Std. for B-MH



NOTES

Steel pipe to be 10¾" OD. ½" thick. Steel pipe to be welded and painted in accordance with Std. Detail 651239-L.

DETAIL OF LOWERING OF 10" WATER MAIN

(SOUTH FREDERICK AVE., 180' S.E. OF DEER PARK ROAD)

Scale 1" = 5'

Alden E. Imus Jr.

CE487-251-4

DATE	DESCRIPTION

REVISIONS

CONTRACT NO. 0331 DW

Checked: [illegible]

Examined:

DRAWN / TRACED / CHECKED / EXAMINED / STARTED	WASHINGTON SUBURBAN SANITARY COMMISSION	APPROVED November 3, 1966 (DATE) [signature] CHIEF ENGINEER	STORM DRAIN AUTHOR 9-24-63 JOB NO. 63 DW 1814	SUPERVISION FOR MAIN LINES ONLY REQUIRED BY DEPT. OF STATE FORESTS & PARKS BALTIMORE, MD.	EXAMINED FOR: WATER & SEWER / R/W REQ'D / OTHER UTILITIES	THOMAS G. OYSTER & ASSOCIATES, INC. ENGINEERS & SURVEYORS 2419 Reedie Drive WHEATON - MARYLAND 949 - 2011	CONTRACT No. 0331 DW	GAITHERSBURG DISTRICT STORM DRAINS DEER PARK - MONTGOMERY COUNTY, MARYLAND

DRAWING NO. 4 OF 4 — 651972 Y

SD FILE NO. 252 — 1303-K-1

Maryland State Archives