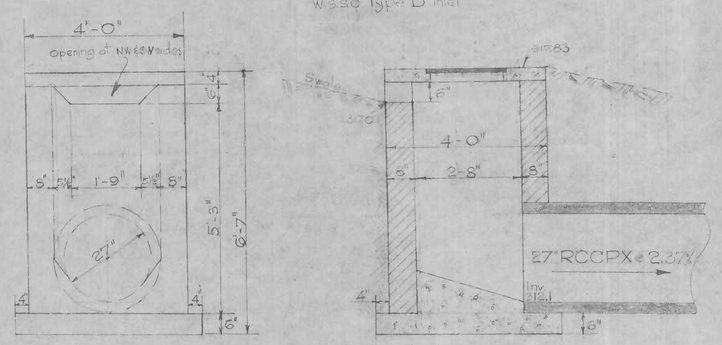
NOTE: For details not shown see Std W.S.S.C. Type "D" Inlet



DETAIL OF INLET I-2
Scale 1/2" = 1'-0"

SD # D-20, 59024Y

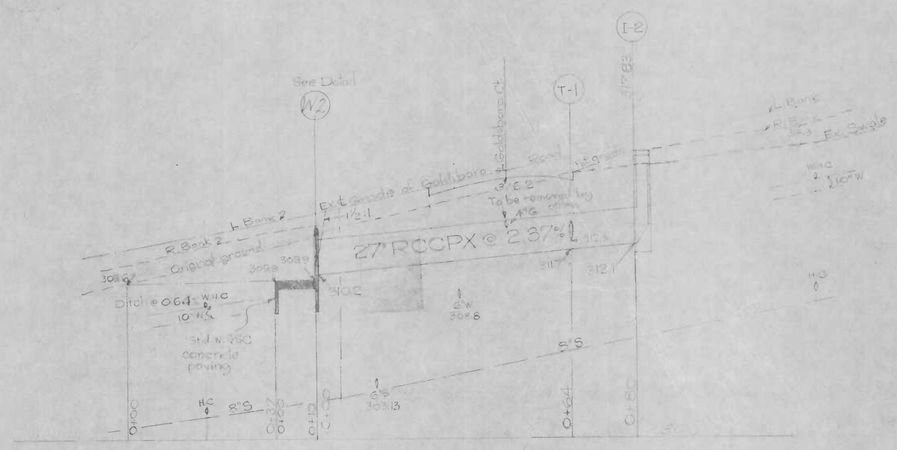
WASHINGTON SUBURBAN SANITARY COMMISSION
APPROVED MARCH 10, 1959
FOR STORM DRAINS ONLY

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.

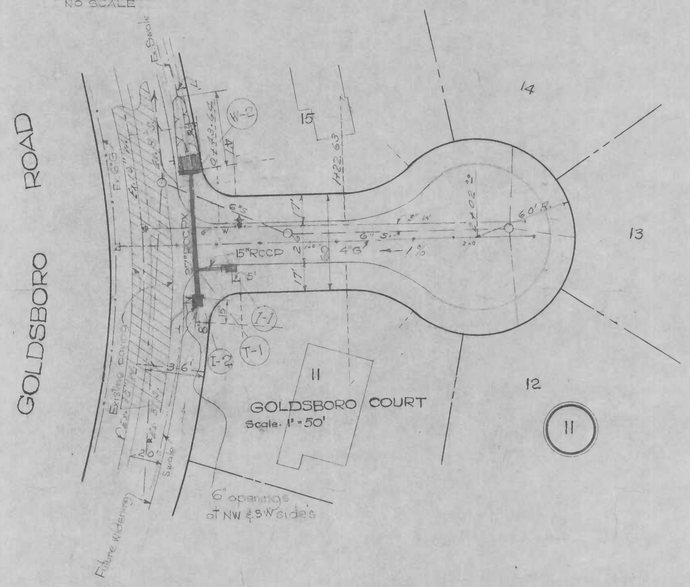
John A. Marx
SENIOR DESIGNING ENGINEER

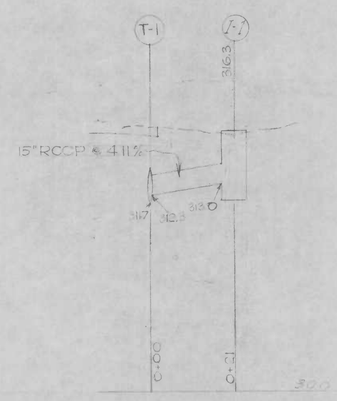
THE W.S.S.C. CONSTRUCTION DIVISION SHALL BE NOTIFIED THREE DAYS IN ADVANCE OF BEGINNING CONSTRUCTION.

DITCH SECTION AT W-2
NO SCALE



Scale: HOR. 1" = 20' VER. 1" = 5'





GOLDSBORO CT.
M.N.C.P.&P.C. APPROVED PROFILE NO. 6628, 8-20-58

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.

STRUCTURE SCHEDULE				PIPE SCHEDULE			
No	Type	Top El.	Remarks	Dia.	Line	L'gth	ASTM Design
I-1	A-1	316.3	Std WSSC Detail	15"	I-1 to T-1	17'	RCCP
I-2	D Special	317.83	See this sheet	27"	I-2 to W-2	80'	RCCPX
W-2	Special 6x4 wall with flap gate. See sheet 2						

MONTGOMERY COUNTY, MARYLAND
DEPARTMENT OF PUBLIC WORKS

FINAL APPROVAL

Date: _____

By: _____

File No. 58-1371

Sheet 1 of 2

STORM DRAIN PLAN
BRADLEY HILLS
GOLDSBORO ROAD & GOLDSBORO CT.
MONTGOMERY COUNTY, MARYLAND

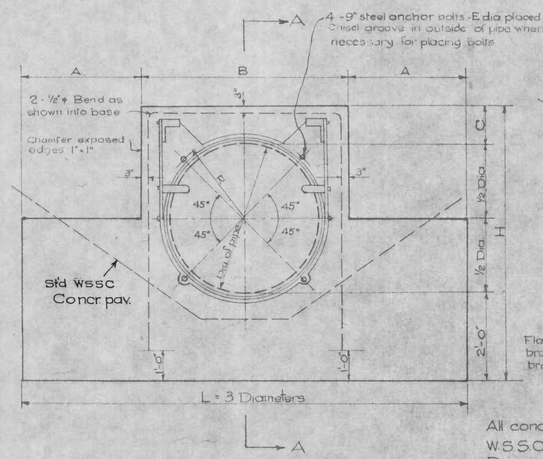
T. R. LINGO
5330 CHAMBERLIN AVE.
KENWOOD
CHEVY CHASE, 15, MD.

MADDOX & HOPKINS
CIVIL ENGINEERS
SILVER SPRING, MD

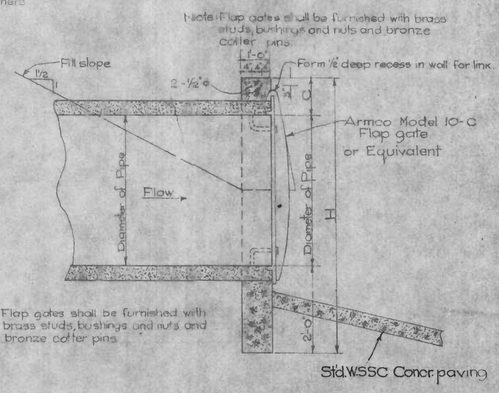
Scale: As shown
Date: November 25, 1958
Design: EHR
Drawn: FHR

CE487-389-1

SD FILE NO. 393



ELEVATION



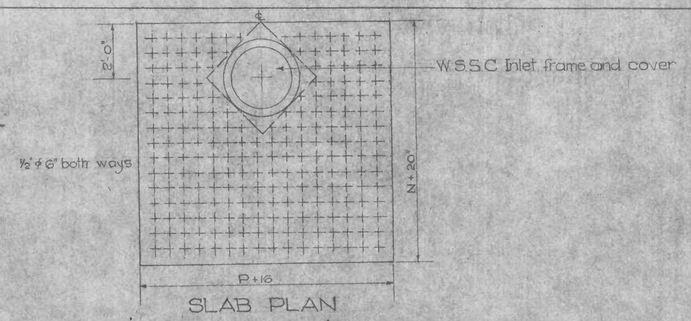
All concrete to be:
W.S.S.C. Class B
Prince George Co. Class III b
Montgomery Co. Class B

SECTION A-A

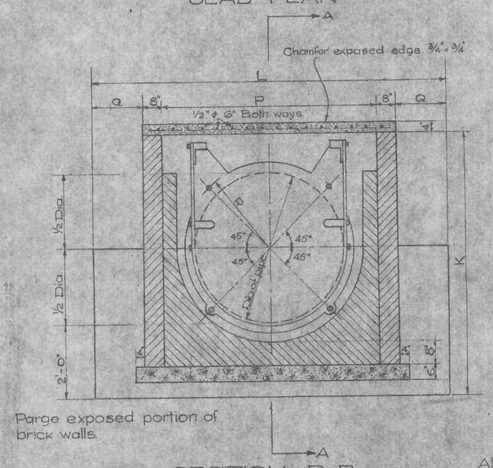
SPECIAL CUT OFF WALLS WITH FLAP GATE AT OUTLET

NO SCALE

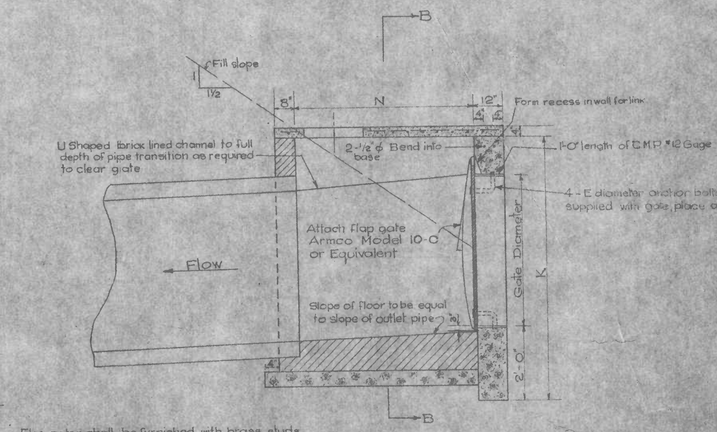
	GATE DIAM.	A	B	C	H	L	R	E	CU YD CONCR.
	15"	7½"	2'-6"	1'-0"	4'-3"	3'-9"	8⅞"	½"	0.47
	18"	9"	3'-0"	1'-0"	4'-6"	4'-6"	10½"	⅝"	0.60
	21"	10½"	3'-6"	1'-0"	4'-9"	5'-3"	12⅞"	⅝"	0.66
	24"	1'-0"	4'-0"	1'-0"	5'-0"	6'-0"	13¾"	⅝"	0.85
W-2 Use 30" Flap Gate →	27"	1'-1½"	4'-3"	1'-0"	5'-3"	6'-6"	17"	¾"	1.1
	30"	1'-6"	4'-6"	1'-0"	5'-6"	7'-6"	17"	¾"	1.1
Use 36" Flap Gate →	33"	1'-6"	4'-9"	1'-0"	5'-9"	7'-9"	20 7/16"	¾"	1.4
	36"	2'-0"	5'-0"	1'-0"	6'-0"	9'-0"	20 7/16"	¾"	1.4
	42"	2'-6"	5'-6"	1'-0"	6'-6"	10'-6"	23½"	¾"	1.7
	48"	3'-0"	6'-0"	1'-2"	7'-3"	12'-0"	27"	¾"	2.0
	54"	3'-6"	6'-6"	1'-3"	7'-9"	13'-6"	31⅛"	1"	2.4
	60"	4'-0"	7'-6"	1'-3"	8'-3"	15'-0"	34¼"	1"	2.7
	66"	4'-6"	8'-0"	1'-3"	8'-9"	16'-6"	37½"	1"	3.0
	72"	5'-0"	8'-6"	1'-3"	9'-3"	18'-0"	41"	1"	3.4
	78"	5'-6"	9'-0"	1'-3"	9'-9"	19'-6"	44⅜"	1"	3.7
	84"	6'-0"	9'-6"	1'-3"	10'-3"	21'-0"	47¾"	1"	4.0
	96"	6'-6"	10'-0"	1'-3"	11'-3"	24'-0"	51¼"	1¼"	5.6



SLAB PLAN



SECTION B-B



All concrete to be:
W.S.S.C. Class B
Prince George's County Class III b
Montgomery County Class B

SECTION A-A

SPECIAL CUT OFF WALL WITH FLAP GATE AT ENTRANCE

NO SCALE

	GATE DIAM.	E	L	K	N	P	Q	R	CU YD CONCR.
	15"	½"	3'-10"	4'-0"	2'-0"	2'-6"	0'-0"	8⅞"	0.94
	18"	⅝"	4'-4"	4'-3"	2'-3"	3'-0"	0'-0"	10½"	1.10
	21"	⅝"	5'-3"	4'-6"	2'-9"	3'-3"	0'-4"	12⅛"	1.35
	24"	⅝"	6'-0"	4'-9"	3'-0"	3'-6"	0'-7"	13¾"	1.55
Use 30" Flap Gate →	27"	¾"	7'-6"	5'-3"	3'-6"	4'-0"	1'-1"	17"	1.95
	30"	¾"	7'-6"	5'-3"	3'-6"	4'-0"	1'-1"	17"	1.95
Use 36" Flap Gate →	33"	¾"	9'-0"	5'-9"	4'-0"	4'-6"	1'-7"	20 7/16"	2.39
	36"	¾"	9'-0"	5'-9"	4'-0"	4'-6"	1'-7"	20 7/16"	2.39
	42"	¾"	10'-6"	6'-6"	4'-8"	5'-0"	2'-1"	23½"	2.97
	48"	¾"	12'-0"	7'-2"	5'-4"	5'-6"	2'-7"	27"	3.56
	54"	1"	13'-6"	7'-10"	5'-9"	6'-0"	3'-1"	31⅛"	4.22
	60"	1"	15'-0"	8'-4"	6'-6"	6'-8"	3'-6"	34¼"	4.92
	66"	1"	16'-8"	9'-0"	7'-3"	7'-4"	3'-11"	37½"	
	72"	1"	18'-0"	9'-8"	8'-0"	8'-0"	4'-4"	41"	
	78"	1"	19'-6"	10'-4"	8'-8"	8'-6"	4'-9"	44⅜"	
	84"	1"	21'-0"	11'-0"	9'-1"	9'-2"	5'-2"	47¾"	
	96"	1¼"	24'-0"	12'-4"	10'-7"	10'-6"	6'-0"	51¼"	

SD # D-20, 59024 Y

WASHINGTON SUBURBAN SANITARY COMMISSION
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Arthur A. Marx
ASSISTANT DRAINAGE ENGINEER

THE W.S.S.C. CONSTRUCTION DIVISION SHALL BE NOTIFIED THREE DAYS IN ADVANCE OF BEGINNING CONSTRUCTION.

File No. 58-1371	STORM DRAIN PLAN
Sheet 2 of 2	BRADLEY HILLS
	GOLDSBORO ROAD & GOLDSBORO CT.
	MONTGOMERY COUNTY, MARYLAND
T. R. LINGO 5330 CHAMBERLIN AVE KENWOOD CHEVY CHASE 15, MD	MADDOX & HOPKINS CIVIL ENGINEERS SILVER SPRING, MD
	Scale: No Scale Date: 2-26-59 Design: Drawn: A. Zagaris

CE487-389-2

SD FILE NO. 393