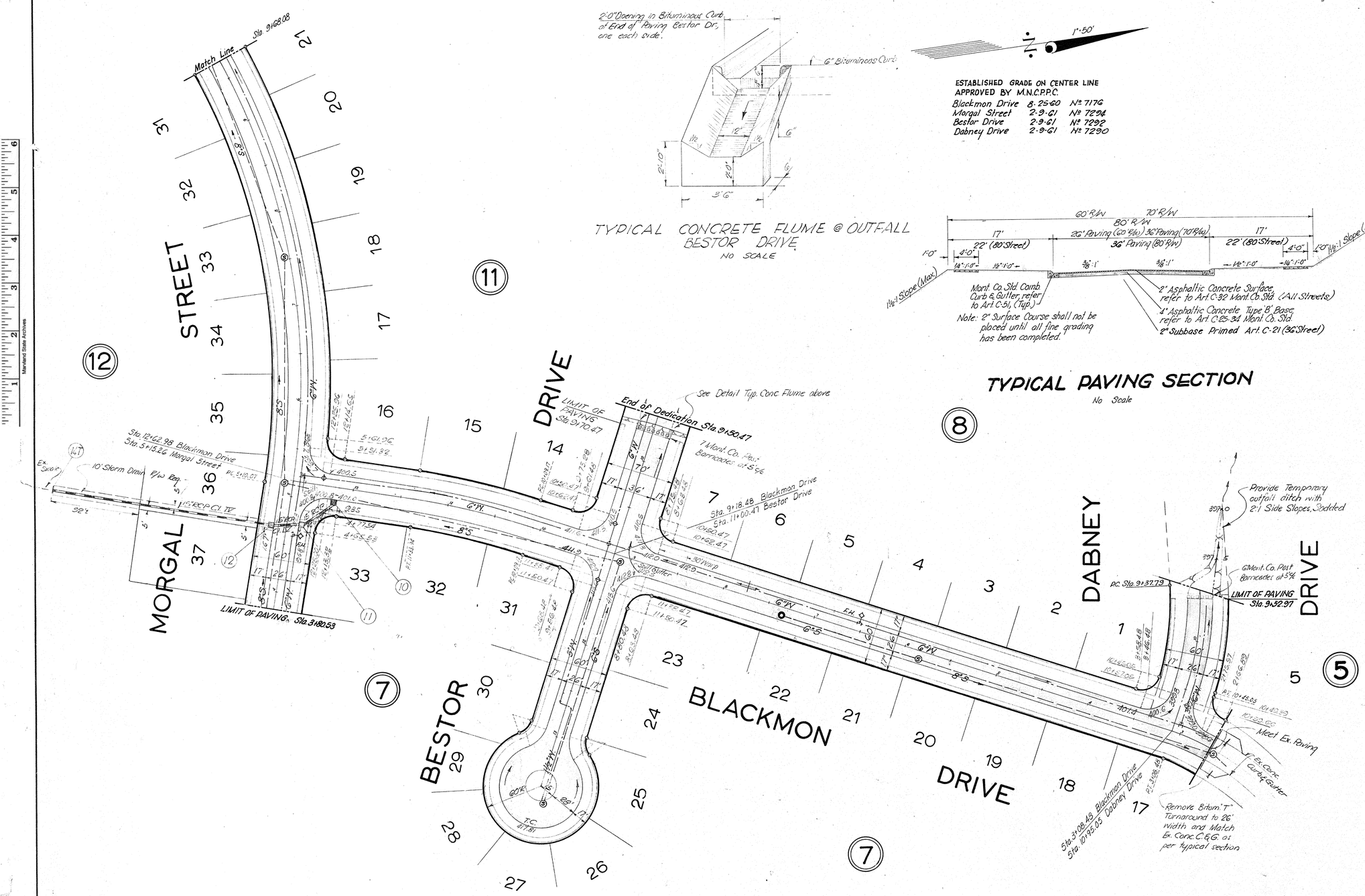


TYPICAL CONCRETE FLUME @ OUTFALL
BESTOR DRIVE
NO SCALE

1" = 50'

ESTABLISHED GRADE ON CENTER LINE
APPROVED BY M.N.C.P.P.C.

Blackmon Drive	8-25-60	No. 7176
Morgal Street	2-9-61	No. 7294
Bestor Drive	2-9-61	No. 7292
Dabney Drive	2-9-61	No. 7290

TYPICAL PAVING SECTION
No Scale

SD # D-28, 62006-Y

WASHINGTON SUBURBAN SANITARY COMMISSION
APPROVED JANUARY 16, 1962
FOR STORM DRAINS ONLY

SUBJECT TO PRIOR INSTALLATION OF WATER & SEWER AND PAYMENT FOR MOVING 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. THE 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 DRAINAGE ENGINEER

STORM DRAIN 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. Types of Structures refer to the Washington Suburban Sanitary Commission's Standard Storm Drainage Details unless otherwise noted.
3. 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. If clearances are less than shown on plan or six inches (6") whichever is less, contact the Storm Drain Dept. W.S.S.C. before proceeding.
4. All storm drainage shown on this plan is to be maintained by the Dept. of Public Works, Montgomery County, Maryland.
5. All pipe to conform to ASTM Specs. C76-59T.

GENERAL NOTES

1. All construction shall be in accordance with Montgomery County Road Code and Standard Specifications.
2. No work shall be done within the R/W until proper permits have been obtained.
3. All graded areas within the street R/W including backslopes shall be sodded.
4. All paving fillet radii shall be 25', use Montgomery County Standard 10-A curb and gutter with 20' transition sections at intersections.
5. Montgomery County Standard 23-B residential driveway will be built at each lot at the direction of the Engineer or the Owners.

PAVING & DRAINAGE PLAN
BEL PRE WOODS
MONTGOMERY COUNTY, MARYLAND

SCALE: As Shown DATE: August 1961

WAYNE C. GREATHOUSE & ASSOCIATES
ENGINEERS & LAND SURVEYORS 645
2311 UNIVERSITY BOULEVARD, WEST
WHEATON, MARYLAND

SD FILE NO. 645

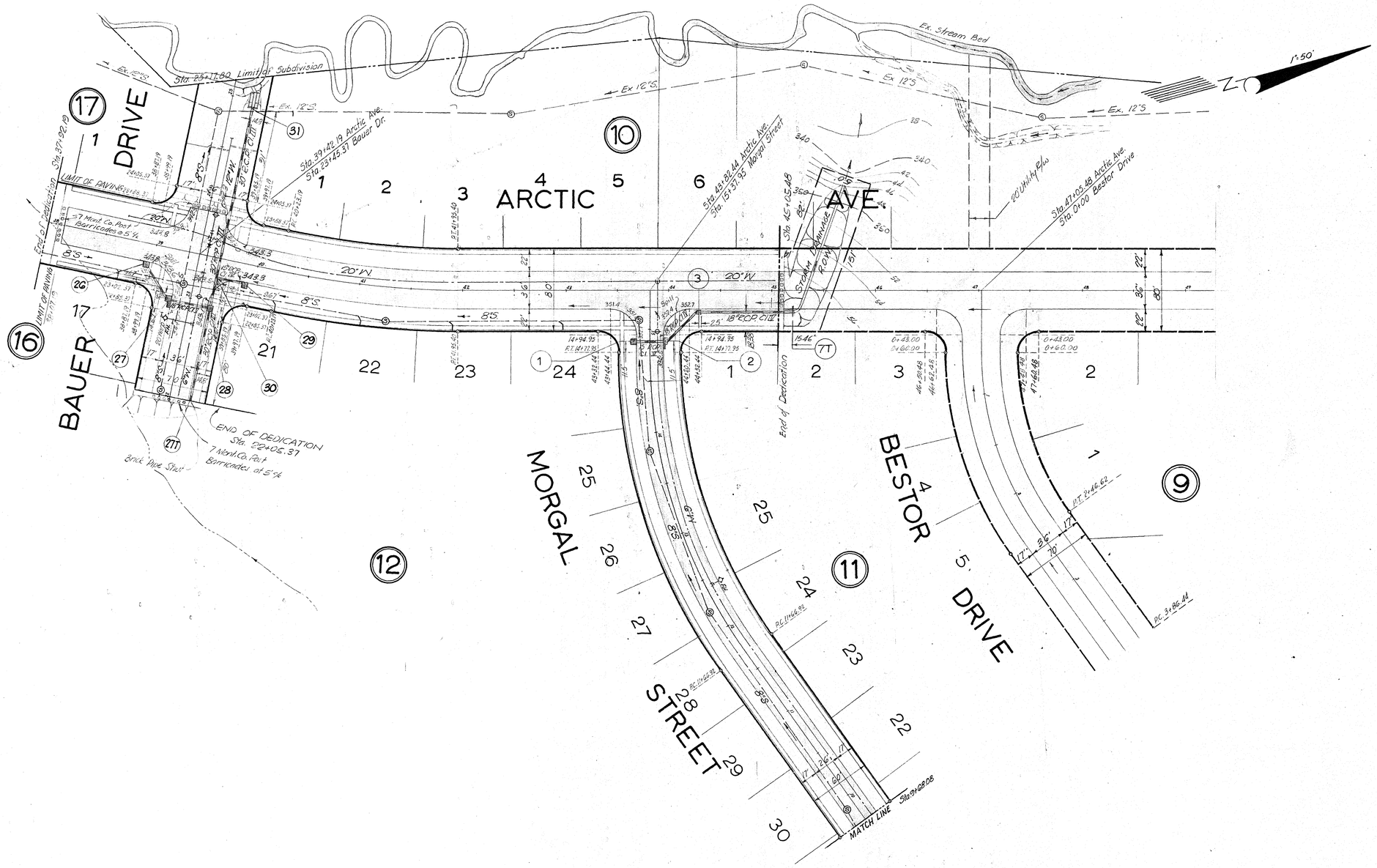
DESIGNED	DRAWN	CHECKED	LOCATION
F.M.S.	L.D.M.	K.E.O.	1012-14th Street N.W. Washington, D.C.

CE487-634-1

SD FILE NO. 645

Maryland State Archives

Bestor Drive	2-9-61	Nº 7292
Margol Street	2-9-61	Nº 7294
Arctic Ave	2-9-61	Nº 6486



SD # D-28, 62006-Y

WASHINGTON SUBURBAN SANITARY COMMISSION
APPROVED JANUARY 16, 1962
FOR STORM DRAINS ONLY

SUBJECT TO PRIOR INSTALLATION OF WATER & SEWER AND PAYMENT FOR MOVING ANY WS.S.C STRUCTURES AFFECTED.
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John A. Marx
SENIOR DESIGNING ENGINEER

PAVING & DRAINAGE PLAN
BEL PRE WOODS
MONTGOMERY COUNTY, MARYLAND

SCALE: As Shown DATE: August 1961

WAYNE C. GREATHOUSE & ASSOCIATES 645
ENGINEERS & LAND SURVEYORS
2311 UNIVERSITY BOULEVARD, WEST
WHEATON, MARYLAND
LOckwood

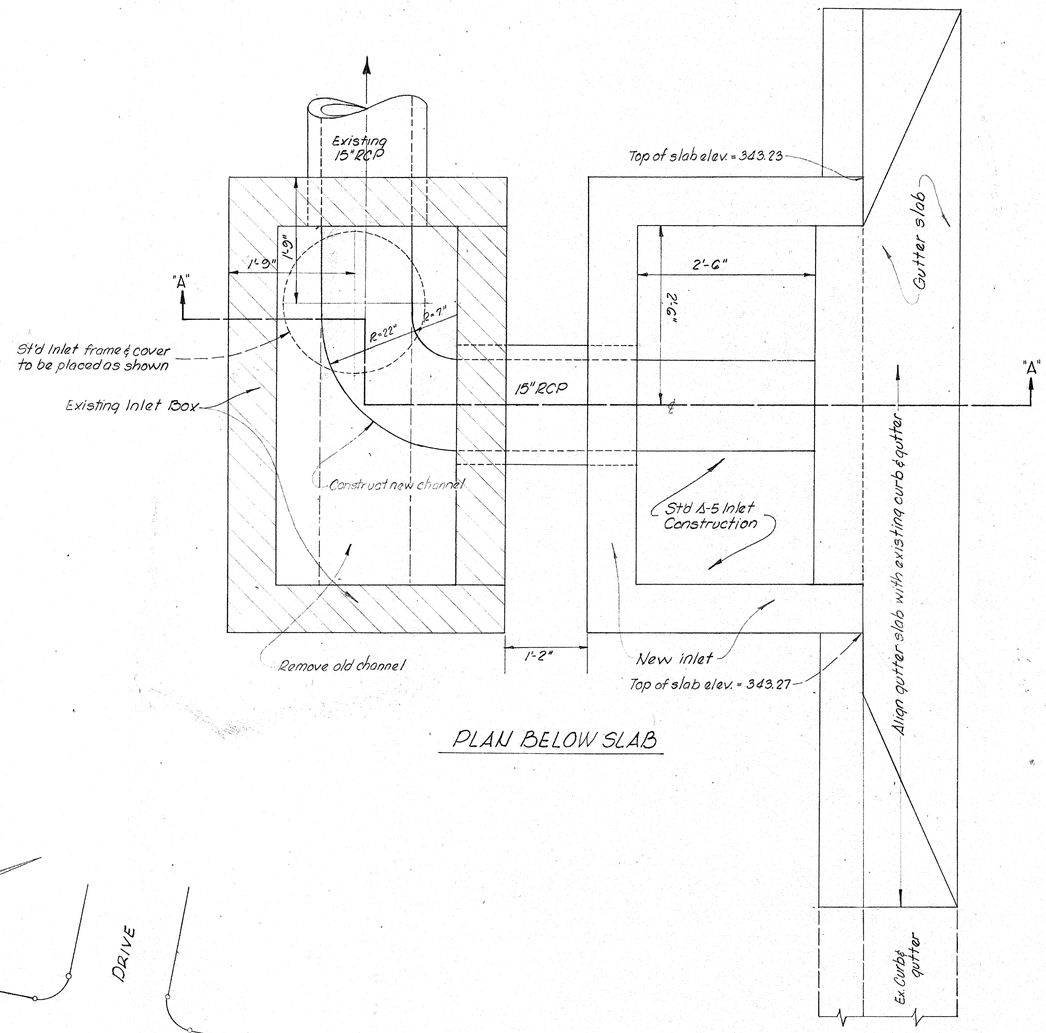
DESIGNED	DRAWN	CHECKED
F.M.S.	L.D.M.	K.E.O.

SD FILE NO. 645
1012 - 14th Street N.W.
Washington, D.C.

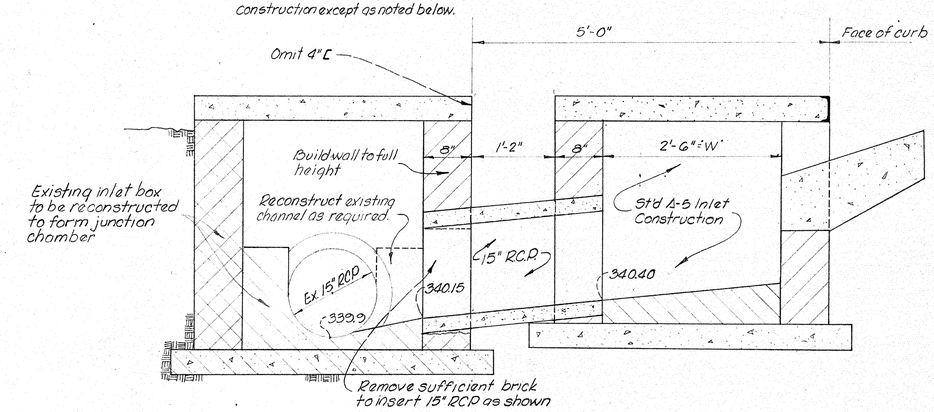
CE 487-634-2

SD FILE NO. 645

Maryland State Archives

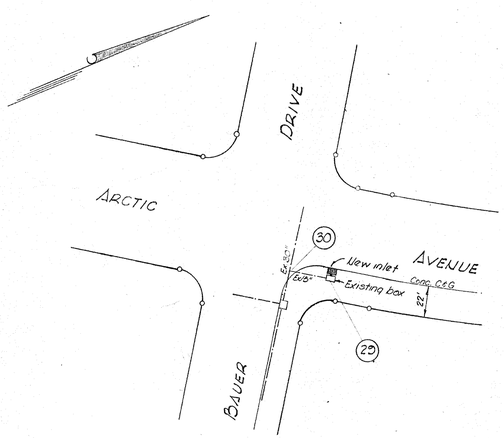


PLAN BELOW SLAB



SECTION "A"-"A"

Note:
For additional details and dimensions not shown see WSSC Std detail #60741-L



LOCATION DETAIL
Scale: 1" = 50'

STRUCTURE Nº 29 REVISION
Scale: 1" = 1'-0"

Note:
Original structure shown on plan approved by WSSC as S.D. #D-28, 62006-Y, & approved by Montgomery County Public Works Jan. 23, 1962.

S.D. #D-28, 62006-Y
WASHINGTON SUBURBAN SANITARY COMMISSION
APPROVED May 15, 1963
FOR STORM DRAINS ONLY
John A. Marx
SENIOR DESIGNING ENGINEER

CE487-634-3

SD FILE NO. 645

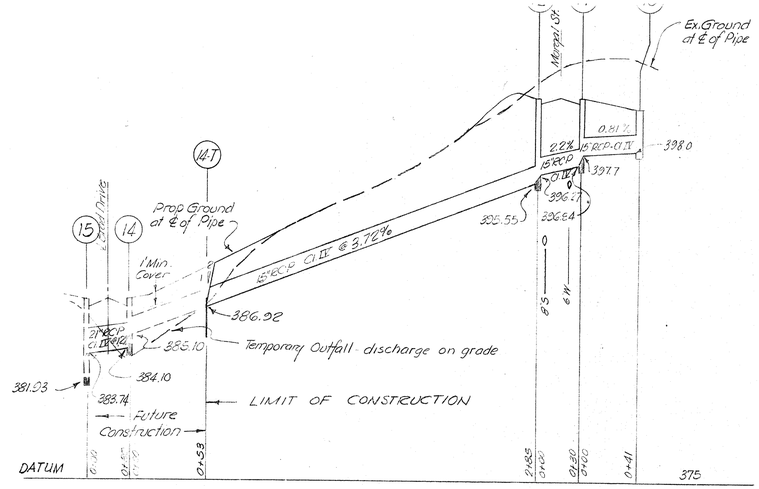
STRUCTURE REVISION
BEL PRE WOODS 645
PLATS 3 & 4 · ARCTIC AVE. @ BAUER DR.
MONTGOMERY COUNTY, MARYLAND

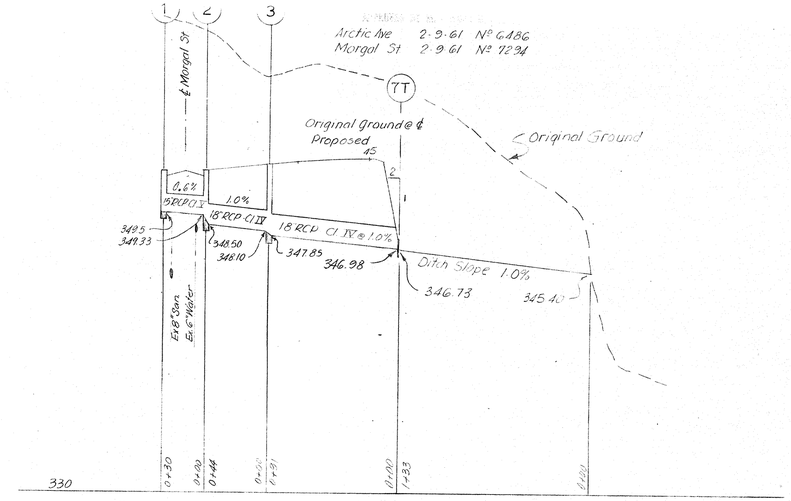
SCALE: AS SHOWN DATE: MAY, 1963

WAYNE C. GREATHOUSE & ASSOCIATES
ENGINEERS & LAND SURVEYORS
2311 UNIVERSITY BOULEVARD, WEST
WHEATON, MARYLAND
933

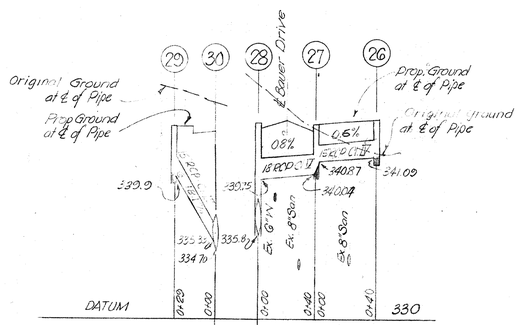
DESIGNED	DRAWN	JOB NO.	
TSF	TSF	295-B1	1012-14TH STREET N.W. WASHINGTON, D.C.

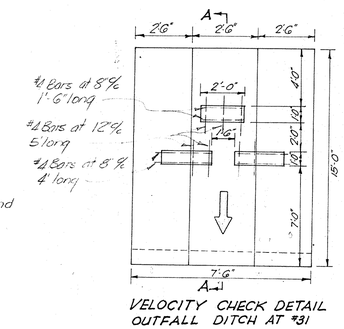
SD FILE NO. 645



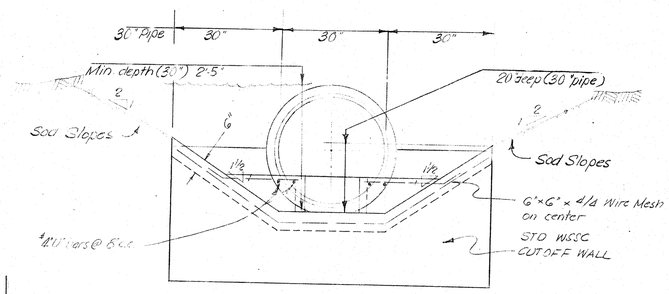


*See Profile of Temp. Outfall Ditch below



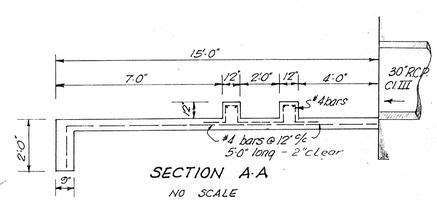


VELOCITY CHECK DETAIL
OUTFALL DITCH AT #31
NO SCALE



TYPICAL SECTION OUTFALL DITCH AT STRUCTURE #31
NO SCALE

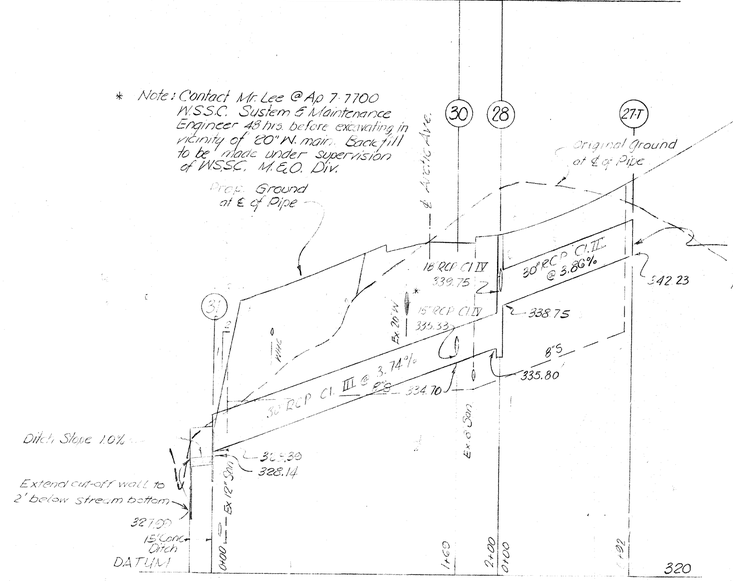
Note: Remainder of ditches to Structure #31 to be 2:1 side slopes, sodded side slopes only.



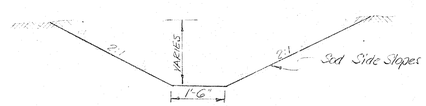
SECTION A-A
NO SCALE

TOTAL PIPE LENGTHS			
DIAM	LENGTH	TYPE	CLASS
15"	352'	R.C.P.	IV
15"	26'	R.C.P.	V
18"	129'	R.C.P.	IV
18"	36'	R.C.P.	V
30"	288'	R.C.P.	III

STRUCTURE SCHEDULE			
NUMBER	TYPE	ELEVATION	REMARKS
1	A-5	N352.15 E392.09	
2	B-10	N352.55 E392.65	
3	B-M1	352.8 ℄	48" ⌀
7T	% Wall	347.73	W.S.S.C. Std.
10	A-5	N401.22 E400.83	
11	B-15	N401.82 N401.37	
12	A-5	N401.81 E401.63	
14T		3.87 ⌀	W.S.S.C. Cut off wall
26	B-10	N343.83 E343.02	
27	B-10	N343.21 E343.78	
28	A-5	N343.62 E343.65	
29	A-5	N342.27 E343.03	
30	F.C.		
31		329.64	WSSC Cutoff wall



* Note: Contact Mr. Lee @ Ap. 7-7700 W.S.S.C. System & Maintenance Engineer 48 hrs before excavating in vicinity of 20" W. main. Backfill to be made under supervision of W.S.S.C. M.&O. Div.



TYPICAL SECTION TEMPO OUTFALL DITCH AT STRUCTURE # 7T
SCALE 1"=6'

SD # D-28, 62006-Y

WASHINGTON SUBURBAN SANITARY COMMISSION
* APPROVED JANUARY 16, 1962
FOR STORM DRAINS ONLY

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SENIOR DESIGNING ENGINEER

* See Monta. Co. Director of Public Works' letter dated Sept. 6, 1961 regarding elimination of protective gates. (Structure 31)

PROFILE SCALES VERT. 1"=5'
HOR. 1"=50'

CE 487-634-4

SD FILE NO. 645

STORM DRAINAGE PROFILES
BEL PRE WOODS
MONTGOMERY COUNTY, MARYLAND

SCALE: As Shown DATE: August 1961

WAYNE C. GREATHOUSE & ASSOCIATES
ENGINEERS & LAND SURVEYORS
2311 UNIVERSITY BOULEVARD, WEST
WHEATON, MARYLAND

LOC. SD FILE NO. 645

DESIGNED	DRAWN	CHECK
F.M.S.	F.M.S.	K.E.O.

1012-14th Street N.W.
Washington, D.C.

Maryland State Archives