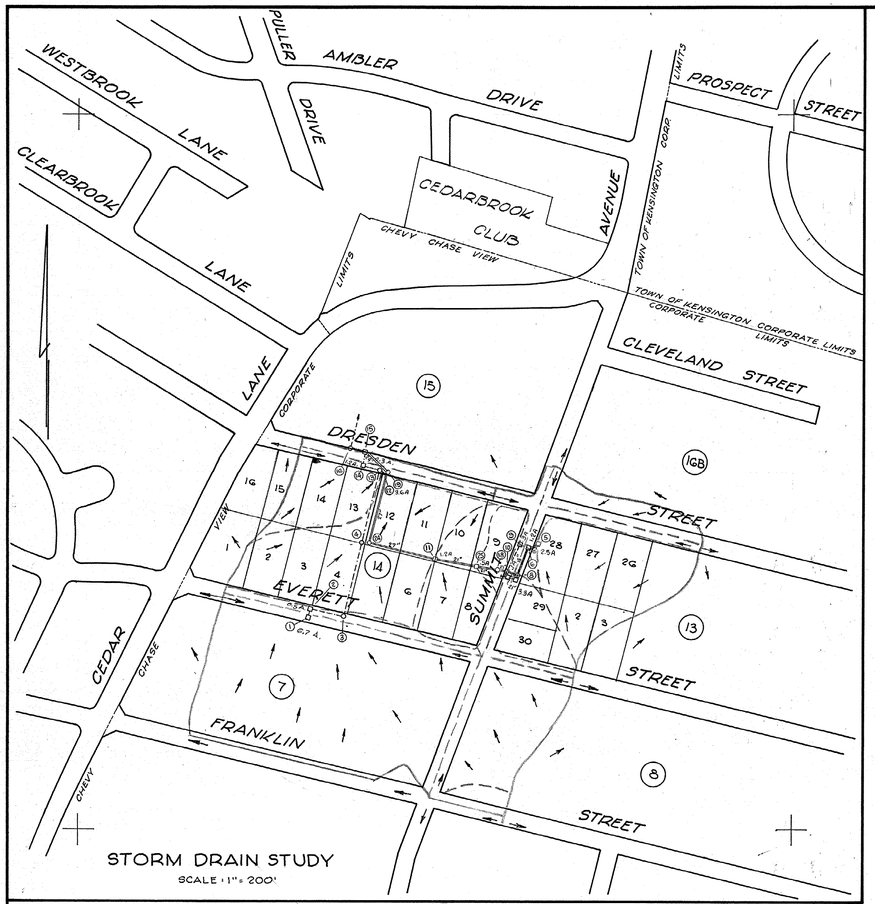
Maryland State Archives



STORM DRAIN STUDY
SCALE 1"= 200'

General Notes for Storm Drain Construction

1. All storm drains shall be constructed in accordance with the latest edition of the General Specifications of Maryland State Highway Administration and Montgomery County.
2. Types of structures refer to the Standard Storm Drainage Details of the W.S.S.C., Maryland State Highway Administration and Montgomery County, unless otherwise noted.
3. Where the drop on the main line through a structure can be accommodated by an invert slope of 1½:1 or flatter, a rounded channel lined with sewer brick on edge shall be built to the crown of the pipes.
4. Information concerning underground utilities was obtained from available records, but the Contractor must determine the exact location and elevations 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 this plan or six (6) inches, whichever is less, contact Washington Suburban Sanitary Commission before proceeding with construction.

Sediment Control Notes

1. All erosion and sediment control measures are to be constructed and maintained in accordance with applicable published 'Standards and Specifications for Soil Erosion and Sediment Control in Urbanizing Areas".
2. All points of construction ingress and egress will be protected to prevent tracking of mud onto public ways.
3. All sediment will be prevented from entering any storm drainage system (i.e., through use of sand bags, gravel, boards or other applicable methods).
4. Trench widths shall be kept to a minimum to safeguard trees and minimize grading. Contractor shall install sheeting and shoring as dictated by safety requirements; 50' max. length of excavated trench to be left open at any one time.
5. Approval of the Sediment Control Plan for this project is conditional upon approval of a sediment control plan for off-site waste and/or borrow areas. Before the final award of the contract, the contractor must submit the plan(s) approved by the Sediment Control Section, Department of Environmental Protection, for conformance to the Sediment Control Ordinance, Chapter 83A, Montgomery County Code 1965 as amended for all off-site waste and/or borrow areas.
6. Sod all disturbed areas in accordance with the above-mentioned standards and specifications immediately after finished grading.

Builder's Certificate

I hereby certify that all clearing, grading construction and/or development will be done pursuant to this plan.

6/22/73
Date

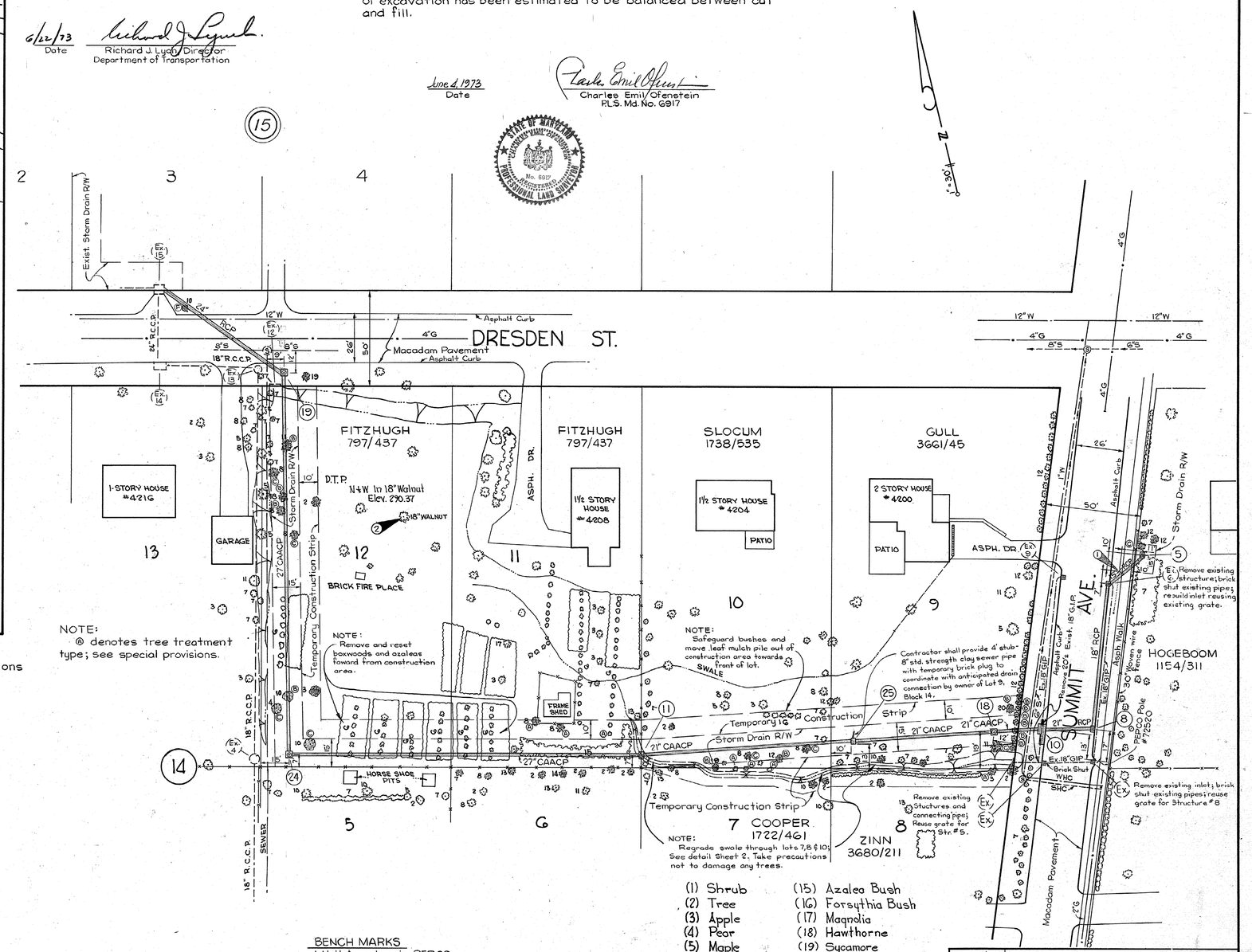
Richard J. Lynch
Richard J. Lynch, Director
Department of Transportation

I hereby certify that the Sediment Control Plan for this project has been prepared in accordance with "Standards and Specifications for Soil Erosion and Sediment Control in Urbanizing Areas" and Montgomery County Department of Transportation "Interim Storm Drain Design Criteria" dated July 1, 1968, and that the total amount of excavation has been estimated to be balanced between cut and fill.

June 1, 1973
Date

Charles Emil Ofenstein
Charles Emil Ofenstein
P.L.S. Md. No. 6917

STATE OF MARYLAND — CHARLES EMIL OFENSTEIN — No. 6917 — PROFESSIONAL LAND SURVEYOR



Bench Marks

1. Nail & washer in PEPCO Pole # 72519. Elev. = 307.22
2. Nail & washer in 18" Walnut Elev. = 290.37

Reviewed for Montgomery S.C.D. (Name) and meets Technical Requirements
Roger L. Adams Date 7/12/73
(Signature) U.S. Soil Conservation Service

APPROVED FOR SEDIMENT CONTROL BY MONTGOMERY SOIL CONSERVATION DISTRICT
W.M. Hadley Jr. SUPERVISOR 7/16/73 DATE

(1) Shrub	(15) Azalea Bush
(2) Tree	(16) Forsythia Bush
(3) Apple	(17) Magnolia
(4) Pear	(18) Hawthorne
(5) Maple	(19) Sycamore
(6) Boxwood	(20) Gingko
(7) Bush	
(8) Dogwood	
(9) Mulberry	
(10) Cherry	
(11) Spruce	
(12) Hemlock	
(13) Pine	
(14) Oak	

FOR LOCATION OF UTILITIES CALL 24 HOURS A DAY 559-0100
48 HOURS IN ADVANCE OF ANY WORK IN THIS VICINITY

W.S.S.C. P.N. 74005
WORK IN PUBLIC SPACE SUBJECT TO PRIOR APPROVAL OF WATER & SEWER AND PAYMENT FOR MOVING ANY W.S.S.C. STRUCTURES AFFECTED.

NUMBER	REVISION	DATE

DES. H/O
DR. DEA
CHK.
REVISIONS

MONTGOMERY COUNTY MARYLAND
DEPARTMENT OF TRANSPORTATION
ROCKVILLE, MD.

STORM DRAINS
CHEVY CHASE VIEW
WHEATON DISTRICT
SCALE: AS SHOWN

APPROVED 6/22/73
E. James Sayles, CHIEF, DIV. OF TRANS. ENG'G.
Richard J. Lynch, DIRECTOR, DEPT. OF TRANS.

PROJECT: 708760
DWG: 1 OF 2

AS BUILT

SD FILE NO. 84

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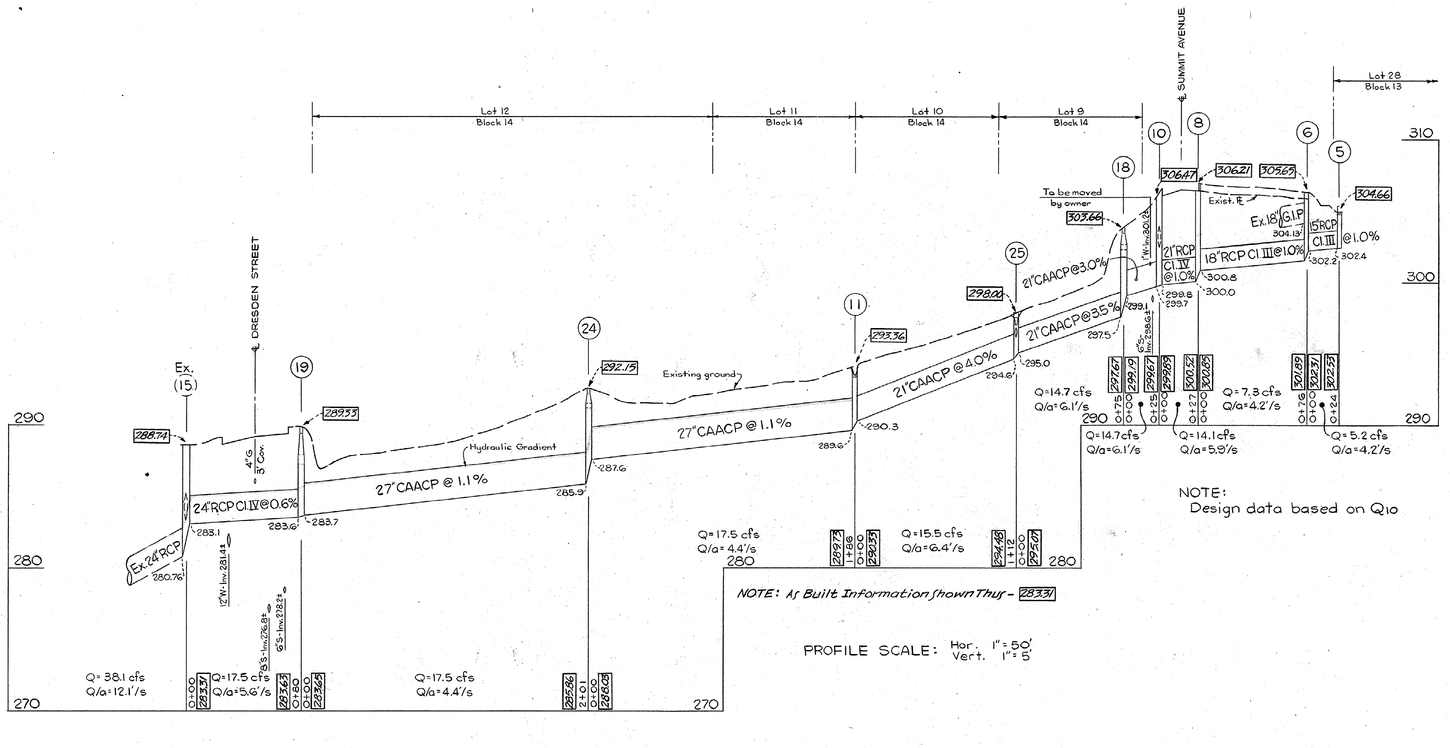
K&E C-T 19 1153 8-72 51906+

Maryland State Archives

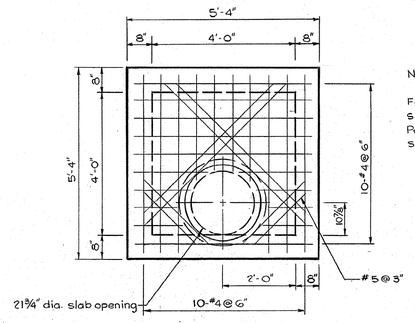


STRUCTURE SCHEDULE					
NO.	TYPE	W	TOP ELEV.	LOCATION	REMARKS
5	E-4 Inlet	2'-1"	①	See Plan	Nat'l. Park Serv. Std.
6	E-4 Inlet	2'-1"	305.78	Existing ②	" " " "
8	E-4 Inlet	2'-1"	Meet Ex. Grade	See Plan	" " " "
10	B-10 Inlet	2'-6"	" " "	" "	W.S.S.C. Standard ⑥
18	B Manhole	48"Sq.	" " "	" "	" Modified ③
25	D Inlet	2'-6"	" " "	" "	" Standard ④
11	E-4 Inlet	2'-1"	①	" "	Nat'l. Park Serv. Std ⑦
24	B Manhole	48"Sq.	" " "	" "	W.S.S.C. Modified ③
19	B Manhole	48"Sq.	" " "	" "	" "
15	— —	—	288.57	Existing	⑤

①Top of grate elev. to meet exist. ground; provide grading at rear and sides of inlet to assure positive drainage.
②Rebuild exist. Structure #6, see plan Sheet 1.
③Use modified slab and cover; see detail this sheet.
④Top of slab to meet existing ground; slot north side of inlet; grade adjacent area to assure positive drainage. Provide 8" Stub; see plan.
⑤Rebuild bottom of Structure #15 to accommodate 24" RCP invert elev. 283.1.
⑥Connect exist. 18" G.I.P. to Structure #10.
⑦Provide 2-4" T.C.P. weepholes on east wall of Structure #11; invert elevs. to be above crown of incoming pipe.

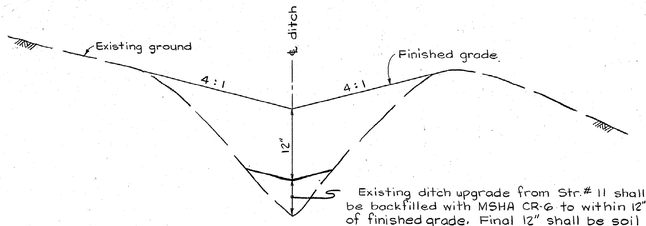
PIPE SCHEDULE		
SIZE	TYPE	LENGTH
8"	Clay Sew. Pipe	4'
15"	RCP Cl. III	21'
18"	RCP Cl. IV	73'
21"	RCP Cl. IV	23'
24"	RCP Cl. IV	76'
21"	CAACP ①	200'
27"	CAACP ①	379

①CAACP to be 0.060 thickness; may be riveted (AASHO Designation M-196) or helical (AASHO Designation M-211)



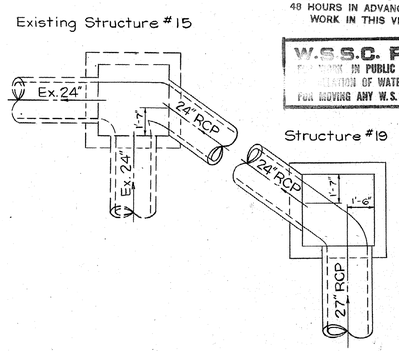
NOTE:
Slab to be 5" thickness. For detail of frame and cover see Temple Foundry dwg. for Patt: 1015. For detail of manhole see WSSC Std. Dwg. No. 561217-L.

SLAB DETAIL FOR STRUCTURES No. 18 & 24
Scale: ½" = 1'-0"



Existing ditch upgrade from Str.# 11 shall be backfilled with MSHA CR-6 to within 12" of finished grade. Final 12" shall be soil and sod as directed.

TYPICAL SECTION FOR DITCH THROUGH LOTS 7, 8 & 10, BLOCK 14
No Scale



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W.S.S.C. P.N. 24005
EXCAVATION IN PUBLIC SPACE SUBJECT TO PRIOR APPROVAL OF WATER & SEWER AND PAYMENT FOR MOVING ANY W.S.S.C. STRUCTURES AFFECTED.

PIPE LOCATION DETAIL FOR STRUCTURES No. 15 & 19
Scale: 1/4" = 1'-0"

Reviewed for Montgomery S.C.D. Name and meets Technical Requirements
Roger L. Thomas Date 7/10/73
Signature
U.S. Soil Conservation Service

APPROVED FOR SEDIMENT CONTROL BY MONTGOMERY SOIL CONSERVATION DISTRICT
W.M. Thurlow, Jr. 7/16/73
SUPERVISOR DATE

NUMBER	REVISION	DATE

DES. H/O
DR. DJT
CHK.
REVISIONS
As built info added 2/16/77 JHS

MONTGOMERY COUNTY MARYLAND
DEPARTMENT OF TRANSPORTATION
ROCKVILLE, MD.

STORM DRAINS
CHEVY CHASE VIEW
WHEATON DISTRICT
SCALE: AS SHOWN
APPROVED 6/21/73

E. Vance Hayes — CHIEF, DIV. OF TRANS. ENG'G.
Richard J. Spurill — DIRECTOR, DEPT. OF TRANS.

PROJECT: 708760 DWG: 2 OF 2

AS BUILT

SD FILE NO. 84

CE 487-83 -2