Scale 1" = 30'

ELMHURST DR.

MACADAM PAVEMENT

W. CEDAR LANE

WISCONSIN AVE.

CEDAR LANE

STREAM

STONE RIP-RAP

PROTECTION SLOPE

ASPHALT PAVEMENT

CONCRETE SIDEWALK

48" ANCHOR WIRE FENCE

ASPHALT PARKING AREA

ENTRANCE

TREE OUTLINE (REDWOODS & HEMLOCKS)

BOX CULVERT

P.T. 29+36.63

P.C. 30+22.06

P.C. 27+40.99

P.C.C. 25+69.46

SURVEY MADE
JUNE 6, 1968
KOINER
MONARD
RICE
ROGERS

DES. ____
DR. ____
CHK. ____
REVISIONS

MONTGOMERY COUNTY MARY
DEPARTMENT OF PUBLIC WO
ROCKVILLE, MD.

CEDAR LANE
WISCONSIN AVE. TO PARK D
Bethesda DISTRICT
May - 1968

APPROVED

CHIEF - BUR. OF ENG'G. | DEP. DIRECTOR, DEPT

NUMBER	REVISION	DATE

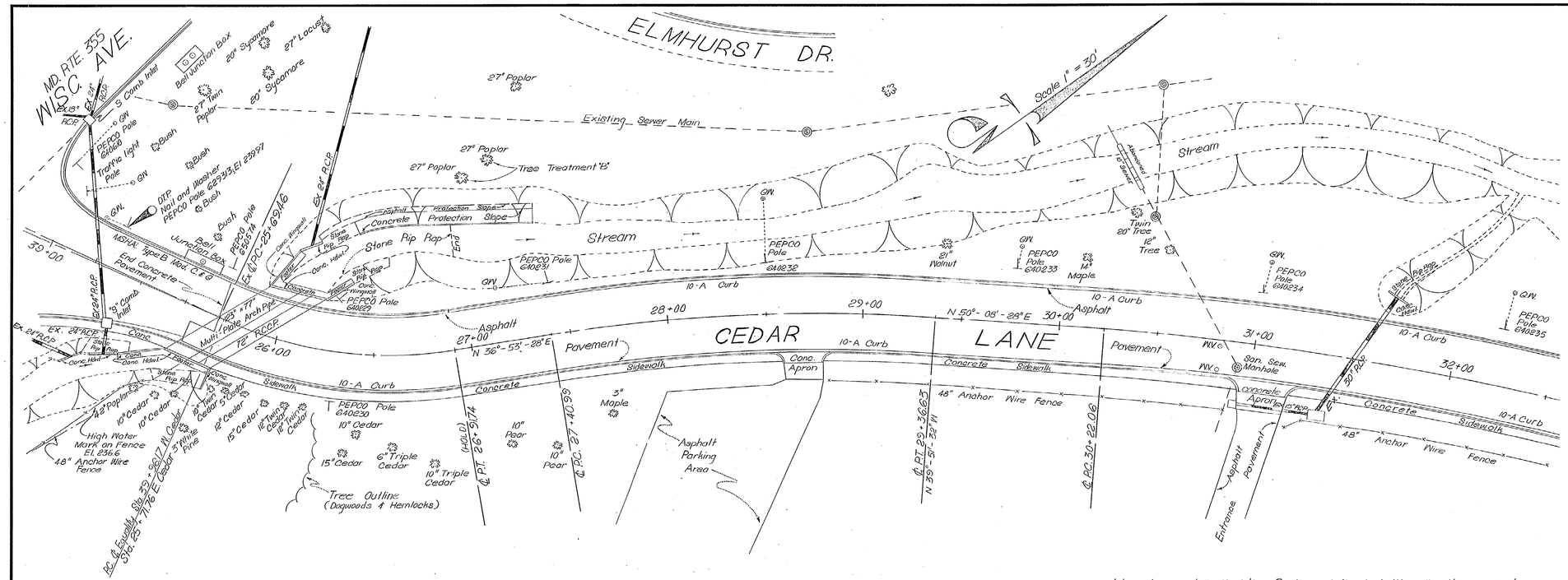
PROJECT: 2031 | DWG:

SD FILE NO. 56 #698341

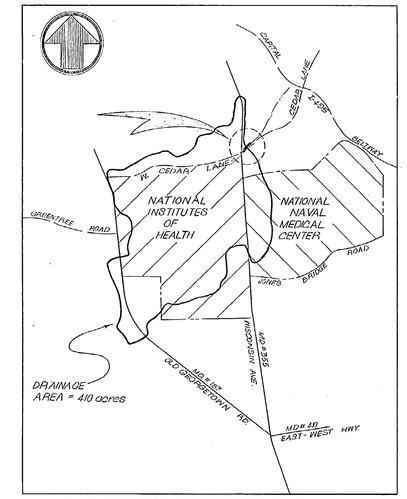
CE487-55 -1

Maryland State Archives

K&E C-T 19 1153 8-72 81906+



PLAN SHOWING EXISTING CONDITIONS



VICINITY AND DRAINAGE MAP
SCALE - 1" = 2000'

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 WSSC., Maryland State Highway Administration and Montgomery County, unless otherwise noted.
3. Where the drop on the main line through a structure can be accomodated 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 of 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 seeding and mulching and/or sodding shall be done in accordance with the above mentioned standards and specifications.
4. Seed and/or Sod immediately upon completion of grading operations.
5. Maximum care and precaution shall be taken to preserve and protect all trees, especially those adjacent to the construction areas.
6. 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.

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 1350 cu. yds. of Cut and 1430 cu yds. of Fill.

8/8/73
Date

Charles Emil Ohlenstein
Charles Emil Ohlenstein
R.L.S. Md. No. 16917

LIMITS OF WORK-AREA OPERATIONS

The Contractor is hereby advised that all construction activities, including ingress and egress, stockpiling of materials and equipment, shall be limited to the area between the northwest curb line of Cedar lane and a line 50 feet northwest of the new channel centerline, extending from Cedar Lane Centerline Sta. 25+60 to Sta. 30+60. Any and all areas outside these limits which are disturbed by construction operations shall be restored by the Contractor at his own expense. As an exception to the above restriction, the Contractor may, at his discretion, use the westbound lane adjacent to the above-mentioned curb for his various needs between the hours of 9:30 AM and 3:30 PM (local time), Monday through Friday only, unless otherwise directed by the Engineer. Repairs due to the use of this traffic lane shall be made, as necessary, by the Contractor at his own expense.

Note:
Widening of Cedar lane, east of Wisconsin Ave.-not included under this contract.

BUILDER'S CERTIFICATE

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

8/27/73
Date

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

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

APPROVED FOR SEDIMENT CONTROL BY
MONTGOMERY SOIL CONSERVATION DISTRICT:
Caroline Thurland 8/31/73
SUPERVISOR DATE

Md. Dept. of Water Resourses Permit No. M-71-CI-11
M.C.P.B. approval - Letter* dated Sept. 29, 1971
(5) Md. Dept of Health & Mental Hygiene Permit No. 71-24-0970

(4) * Letter signed by R.E. Capes Jr. informs of M.C.P.B. approval and grants permission for construction on Park property

NUMBER	REVISION	DATE
1	Altered Plans to exclude Road Construction from Contract.	8/73

DES. JDA
DR. SAM
CHK. [illegible]
REVISIONS

MONTGOMERY COUNTY MARYLAND
DEPARTMENT OF TRANSPORTATION
ROCKVILLE, MD.

STORM DRAINAGE
CEDAR LANE
East of Wisconsin Avenue

scale - as shown July 1973
APPROVED 8/27/73
E. James Sayer — CHIEF, DIV. OF TRANS. ENG'G.
R. J. Lynch — DIRECTOR, DEP'T. OF TRANS.
PROJECT: 698341 DWG 1 of 4

SD FILE NO. 56

CE 487-55-2

Maryland State Archives

K&E C-T 10 1153 6-70

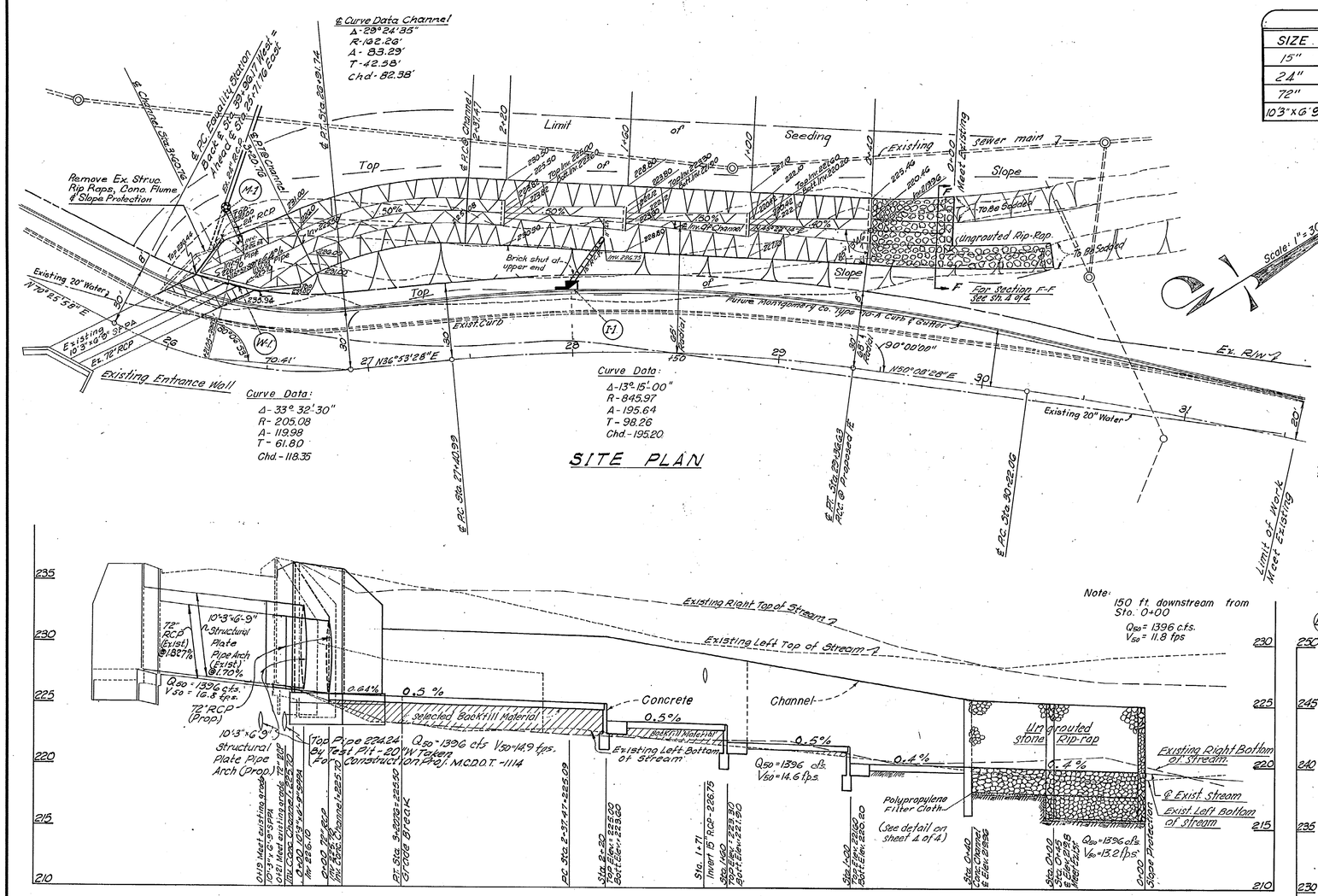
PIPE SCHEDULE

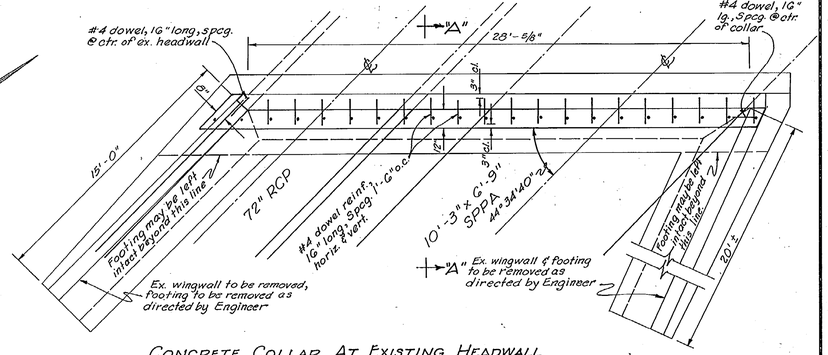
SIZE	TYPE	LENGTH	REMARKS
15"	Cl. IV	24'	R.C.P.
24"	Cl. IV	16'	R.C.P.
72"	Cl. IV	21'	R.C.P.
10'3"x6'9"	10Ga. S.P.P.A	19'	To Be Connected Into Ex. Pipe

STRUCTURE SCHEDULE

NO	℄ STA.	℄ Offset	Type	TOP ELEVATION LOWER	TOP ELEVATION UPPER	Remarks
M-1	3+48 ℄ Channel	33.12' Rt.	B-M1	234.10		B-48 WSSC.
W-1	26+21.05	39.82' Lt.	See Detail	233.27	236.44	See Sh. 3 & 4
* I-1	28+00	30' Lt.	B-10	232.68	232.86	WSSC. Std.

* Note: Installation of Str. I-1 not included in this Contract.





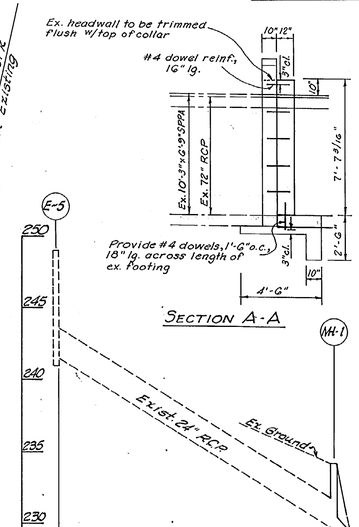
CONCRETE COLLAR AT EXISTING HEADWALL

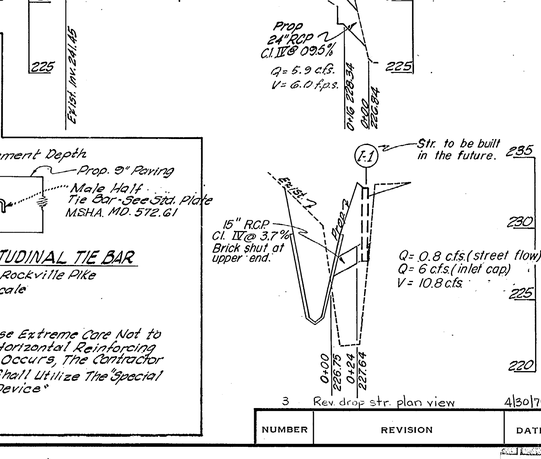
Scale: 1/4" = 1'-0"

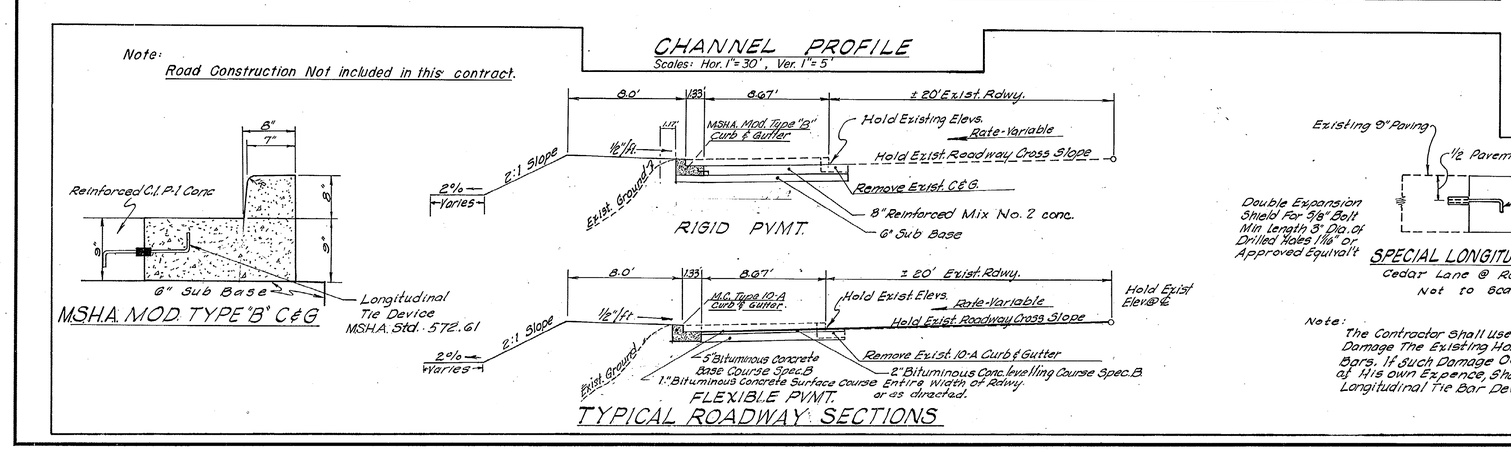
All dowel reinforcing to be placed 1'-6" o.c. or as otherwise shown in detail. Place one row of horiz. dowels near top of collar, one row of vert. dowels across length of ex. footing as shown, one column of horiz. dowels at W. wingwall and two columns of horiz. dowels between pipes as shown.

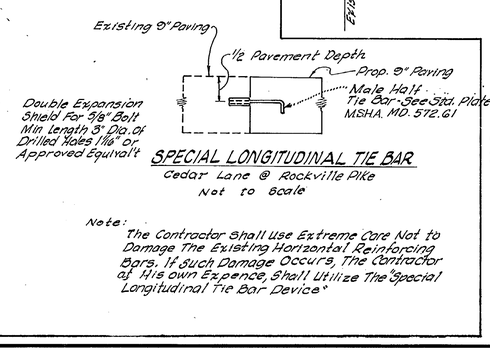
Collar to be reinforced horizontally and vertically, each face as shown in outfall wall detail - sht. 3 of 4.

Concrete shall be M.S.H.A. Mix No. 3









Note: The Contractor Shall Use Extreme Care Not to Damage The Existing Horizontal Reinforcing Bars. If such Damage Occurs, The Contractor of His own Expence, Shall Utilize The "Special Longitudinal Tie Bar Device"

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.
PUBLIC SPACE SUBJECT TO PRIOR INSTALLATION OF WATER & SEWER AND MOVING OF W.S.S.C. STRUCTURES AFF...
*Update - 74011 8/7/75

APPROVED FOR SEDIMENT CONTROL BY MONTGOMERY SOIL CONSERVATION DISTRICT
Caroline Freeland 8/31/73
SUPERVISOR DATE

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

Revision of Permit # 78896 (See 74011)

I hereby certify that this plan has been designed in accordance with the Montgomery County Department of Transportation interim Storm Drain Design Criteria dated July 1, 1968.

Md. Dept. of Water Resources Permit No. M-71-CI. 11

NUMBER	REVISION	DATE
3	Rev. drop str. plan view	4/30/75 3
2	Add conc. collar detail, changed conc. & riprap specs.	8/27/75 JAT
1	Add ...	

DES. W.D.A.
DR. C.L.W.
CHK. J.L.C.

MONTGOMERY COUNTY MARYLAND
DEPARTMENT OF TRANSPORTATION
ROCKVILLE, MD.

STORM DRAINAGE
CEDAR LANE
East of Wisconsin Avenue
PLAN and PROFILE
scale - as shown July 1973

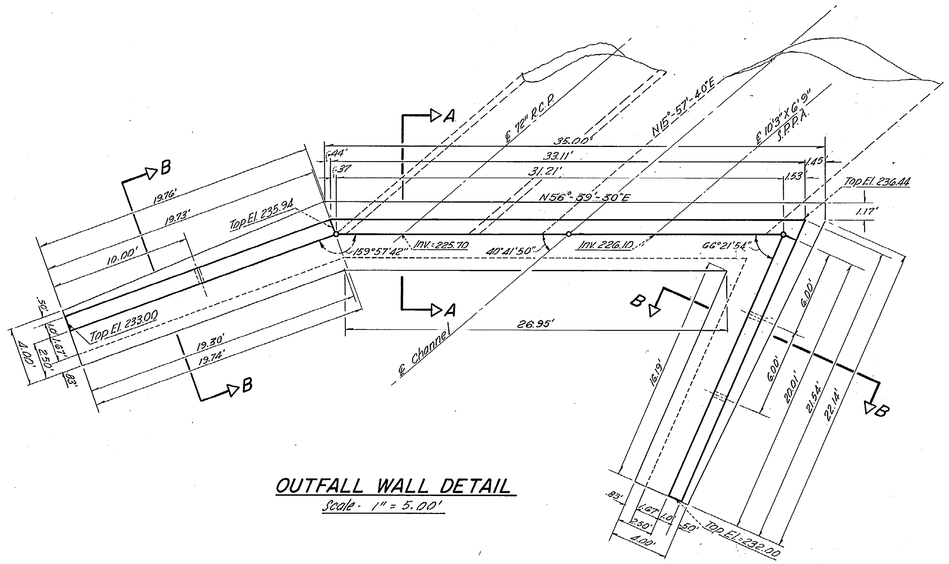
APPROVED 8-27-73
CHIEF, DIV. OF TRANS. ENG'G. — DIRECTOR, DEP'T. OF TRANS.

PROJECT: 698341 DWG: 2 of 4

SD FILE NO. 56

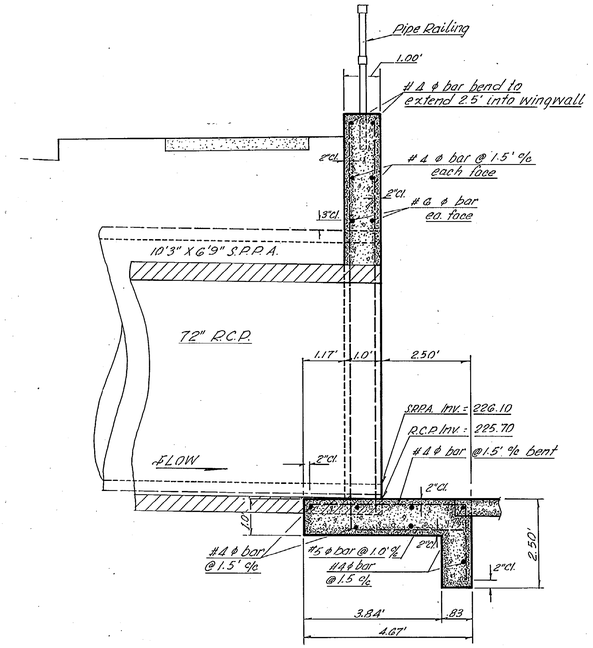
CE 487-55-3

K&E C-T 19 1193 6-70



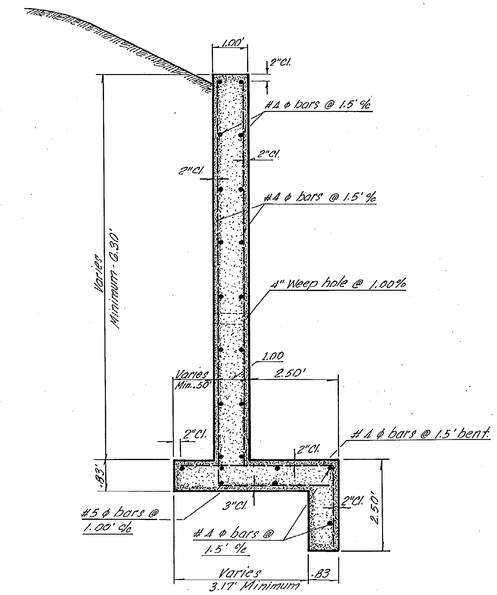
OUTFALL WALL DETAIL

Scale- 1" = 5.00'



SECTION A-A

Scale- 1/2" = 1.00'

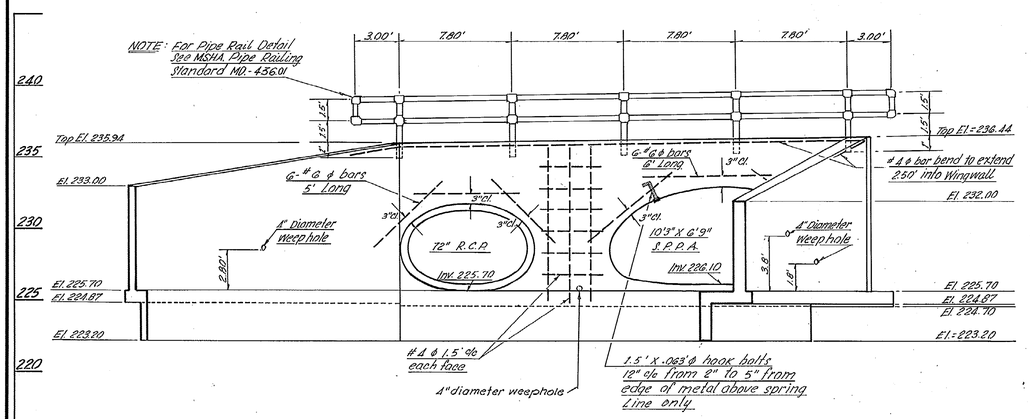


SECTION B-B

Scale- 1/2" = 1.00'

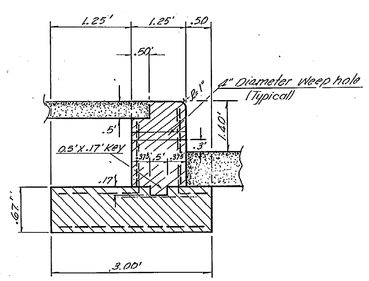
W.S.S.C. P.N.
PUBLIC SPACE SUBJECT TO PRIOR
WATER & SEWER AND PAYMENT
W.S.S.C. STRUCTURES AFFECTED.

* Update - 74011 3/1/75



OUTFALL WALL ELEVATION

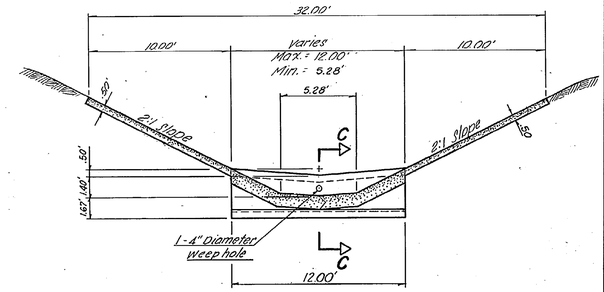
Scale- 1" = 5.00'



SECTION C-C

Not to Scale.

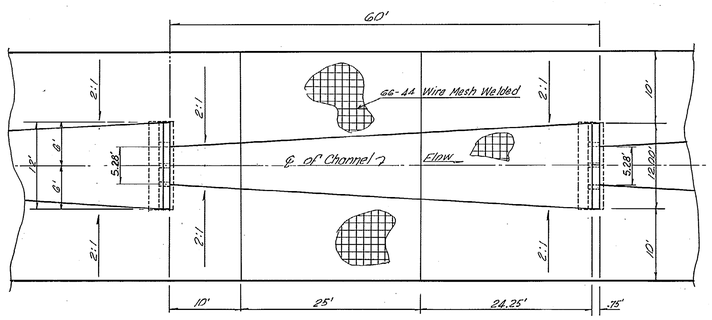
FOR LOCATION OF UTILITIES
CALL 24 HOURS A DAY 539-0100
48 HOURS IN ADVANCE OF ANY
WORK IN THIS VICINITY



ELEVATION

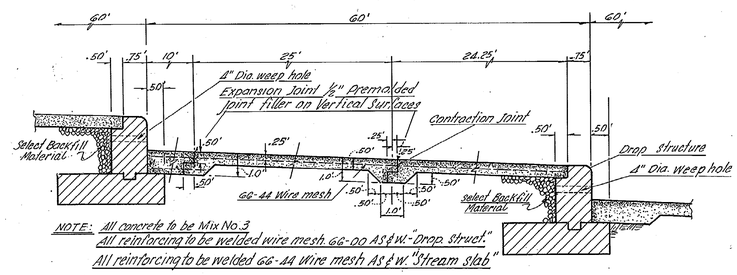
LOOKING UPSTREAM

Not to Scale.



TYPICAL PLAN OF CHANNEL

NOT TO SCALE



NOTE: All concrete to be Mix No. 3
All reinforcing to be welded wire mesh 6-6-00 As & wi. "Drop Struct."
All reinforcing to be welded 6-6-44 wire mesh As & wi "Stream slab"

LONGITUDINAL SECTION

Scale- 1" = 3.00'

I hereby certify that this plan has been designed in accordance with the Montgomery County Department of Transportation Interim Storm Drain Design Criteria dated July 1, 1968.

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

Revision of Permit #70896 (See 74011)
Md. Dept. of Water Resources Permit #9M-71-CZ-11

APPROVED FOR SEDIMENT CONTROL BY MONTGOMERY SOIL CONSERVATION DISTRICT.
Caroline Freeland 8/31/73
SUPERVISOR

NUMBER	REVISION	DATE
1	Rev. drop str. plan & details	4/30/75

DES. JDA
DR. J.L.O.
CHK. J.L.O.
REVISIONS
JAT

MONTGOMERY COUNTY MARYLAND
DEPARTMENT OF TRANSPORTATION
ROCKVILLE, MD.

STORM DRAINAGE
CEDAR LANE
East of Wisconsin Avenue
DRAINAGE STRUCTURE
scale- as shown July 1973

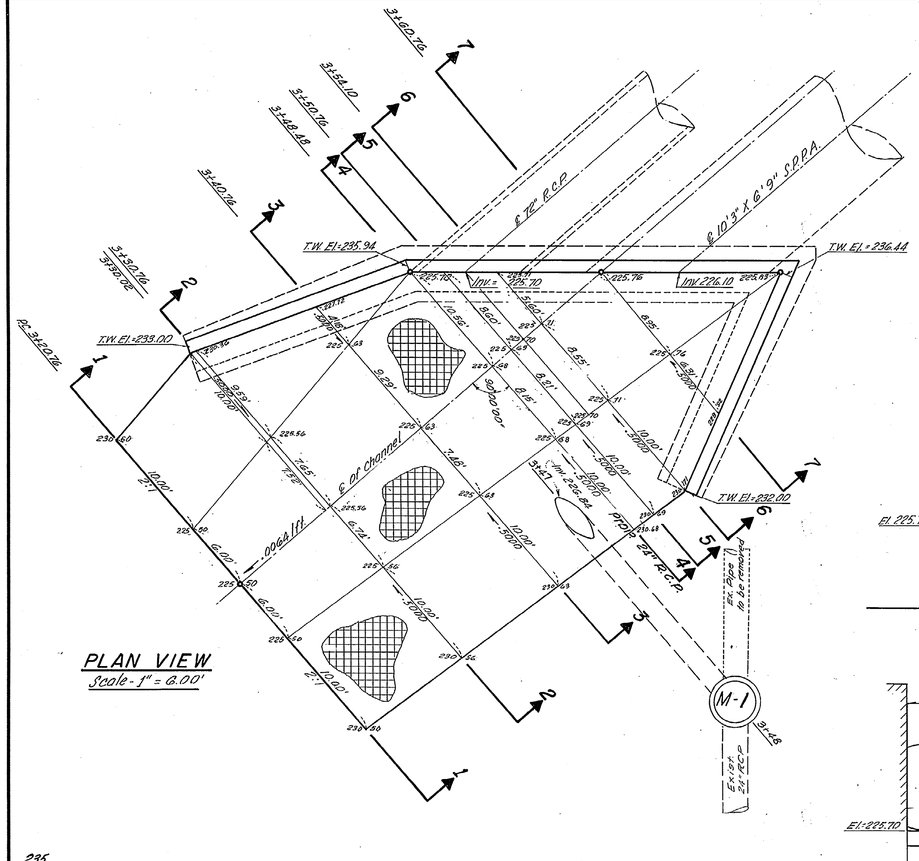
APPROVED 8/27/73
E. James Sayer — CHIEF, DIV. OF TRANS. ENG'G.
D. D. Lynch — DIRECTOR, DEP'T. OF TRANS.

PROJECT: 698341
DWG: 3 OF 4

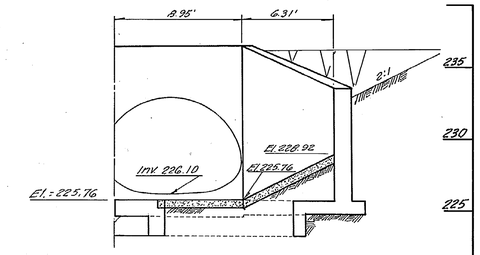
SD FILE NO. 56

CE 487 - 55 - 4

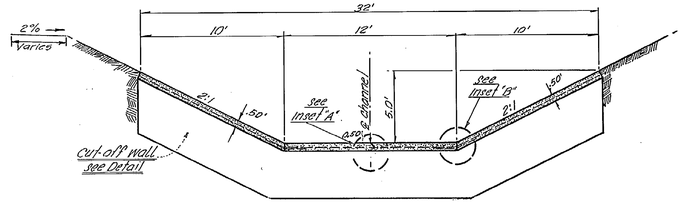
K&E C-T 19 1153 6-70+



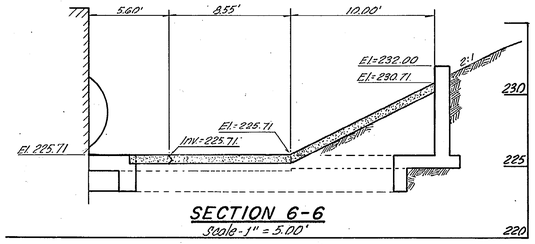
PLAN VIEW
Scale - 1" = 6.00'



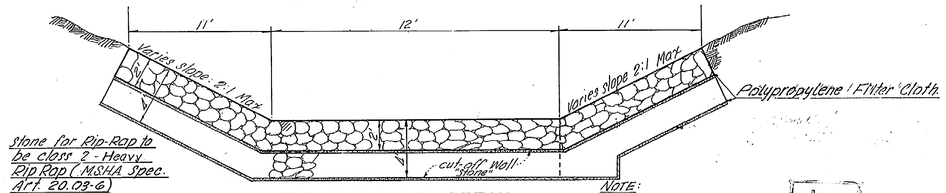
SECTION 7-7
Scale - 1" = 5.00'



TYPICAL SECTION
CONCRETE CHANNEL
Scale - 1" = 5.00'



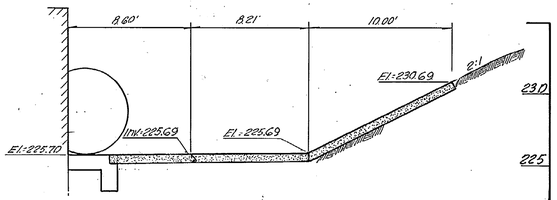
SECTION 6-6
Scale - 1" = 5.00'



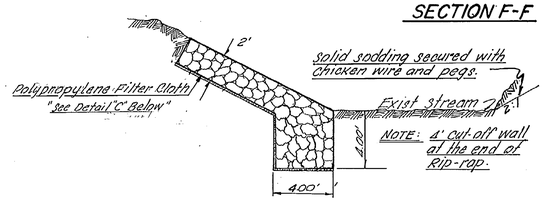
STONE RIP-RAP DETAIL
Scale 1" = 5.00'

NOTE:
Side slope will be variable to meet existing as shown on plan.

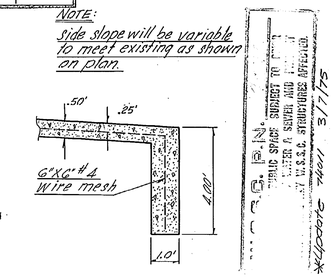
SECTION F-F



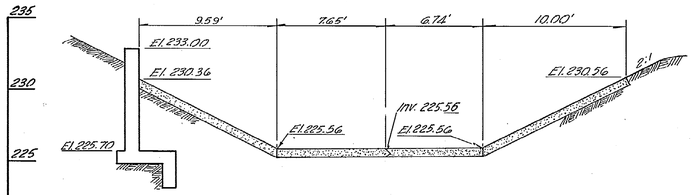
SECTION 5-5
Scale - 1" = 5.00'



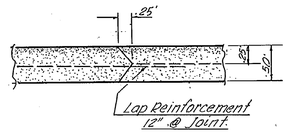
STONE CUT-OFF WALL DETAIL
Not to scale



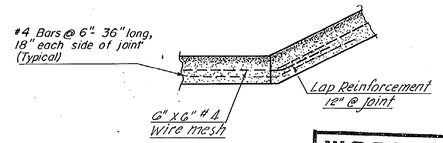
CONCRETE CUT-OFF WALL DETAIL
Not to scale



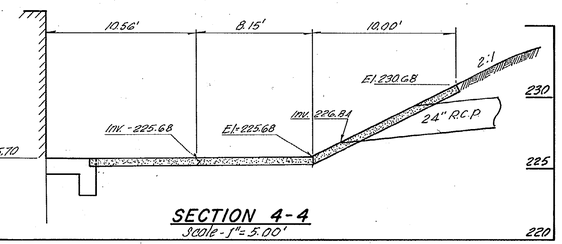
SECTION - 2-2
Scale - 1" = 5.00'



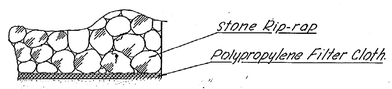
INSET "A"
not to scale



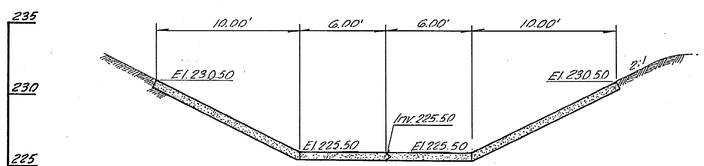
INSET "B"
not to scale



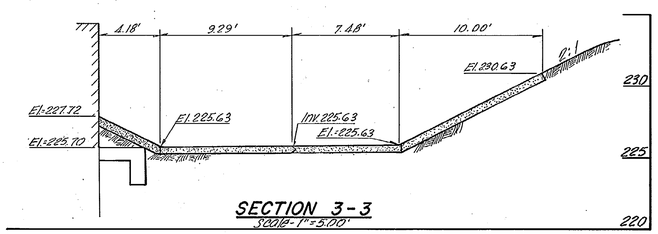
SECTION 4-4
Scale - 1" = 5.00'



DETAIL "C"
not to scale



SECTION 1-1
TYPICAL
Scale - 1" = 5.00'



SECTION 3-3
Scale - 1" = 5.00'

W.S.S.C. P.N. 7895
FOR WORK IN PUBLIC SPACE SUBJECT TO PRIOR INSTALLATION OF WATER & SEWER AND PERMIT FOR MOVING ANY W.S.S.C. STRUCTURES AFFECTED.

Revision of Permit #7896
(See 7401)

I hereby certify that this plan has been designed in accordance with the Montgomery County Department of Transportation interim Storm Drain Design Criteria dated July 1, 1968.

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

APPROVED FOR SEDIMENT CONTROL BY MONTGOMERY SOIL CONSERVATION DISTRICT
Carl Freeland 8/31/73
SUPERVISOR DATE

Md. Dept. of Water Resources Permit No. M-71-CI-11

NUMBER	REVISION	DATE

DES. W.D.A.
DR. R.L.a.
CHK. J.L.e.

REVISIONS

MONTGOMERY COUNTY MARYLAND
DEPARTMENT OF TRANSPORTATION
ROCKVILLE, MD.

STORM DRAINAGE
CEDAR LANE
East of Wisconsin Avenue
DRAINAGE STRUCTURE

scale - as shown
July 1973

APPROVED 8/27/73

E. Francis Hoyt — CHIEF, DIV. OF TRANS. ENG'G.
R. J. Lynch — DIRECTOR, DEPT. OF TRANS.

PROJECT: 698341
DWG: 4 OF 4

SD FILE NO. 56

CE 487-55 -5

Maryland State Archives