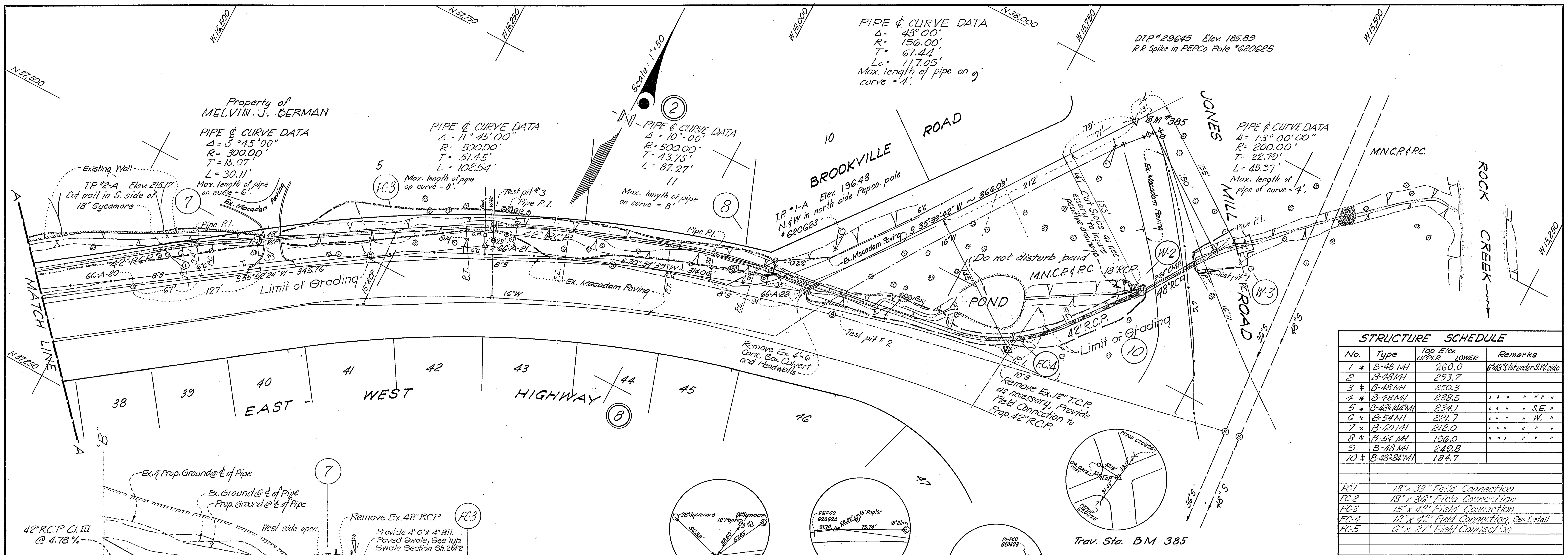
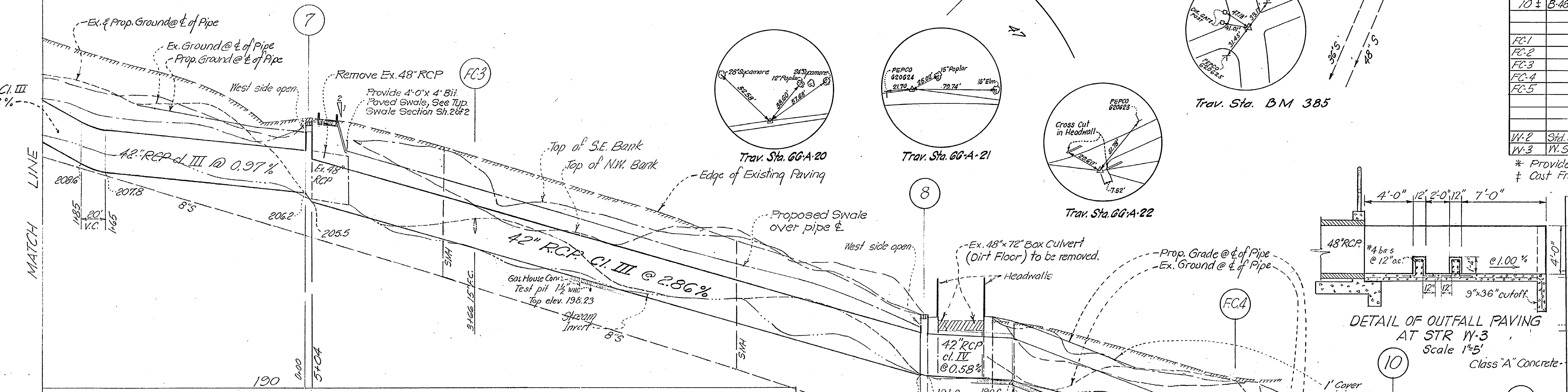
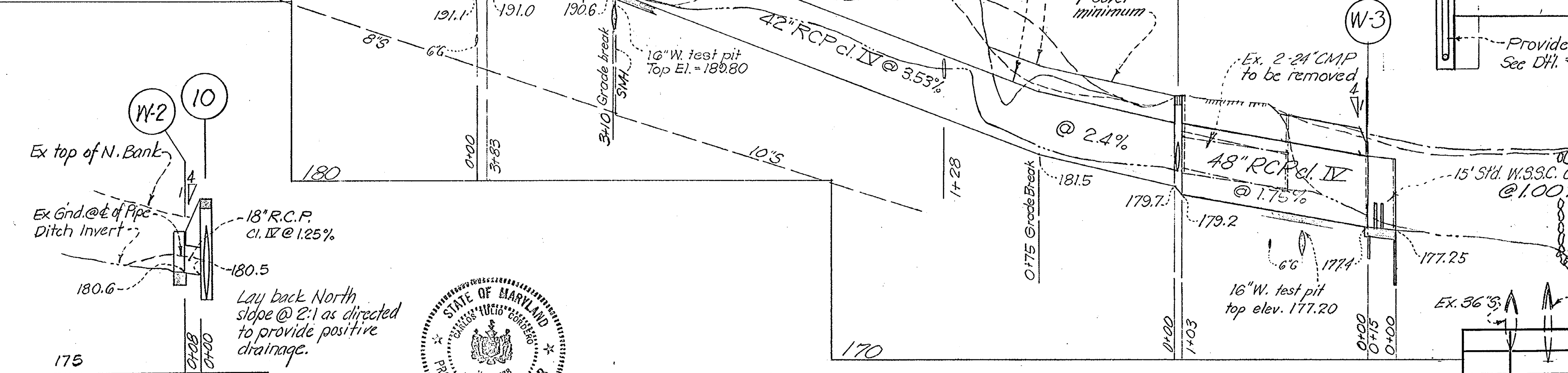
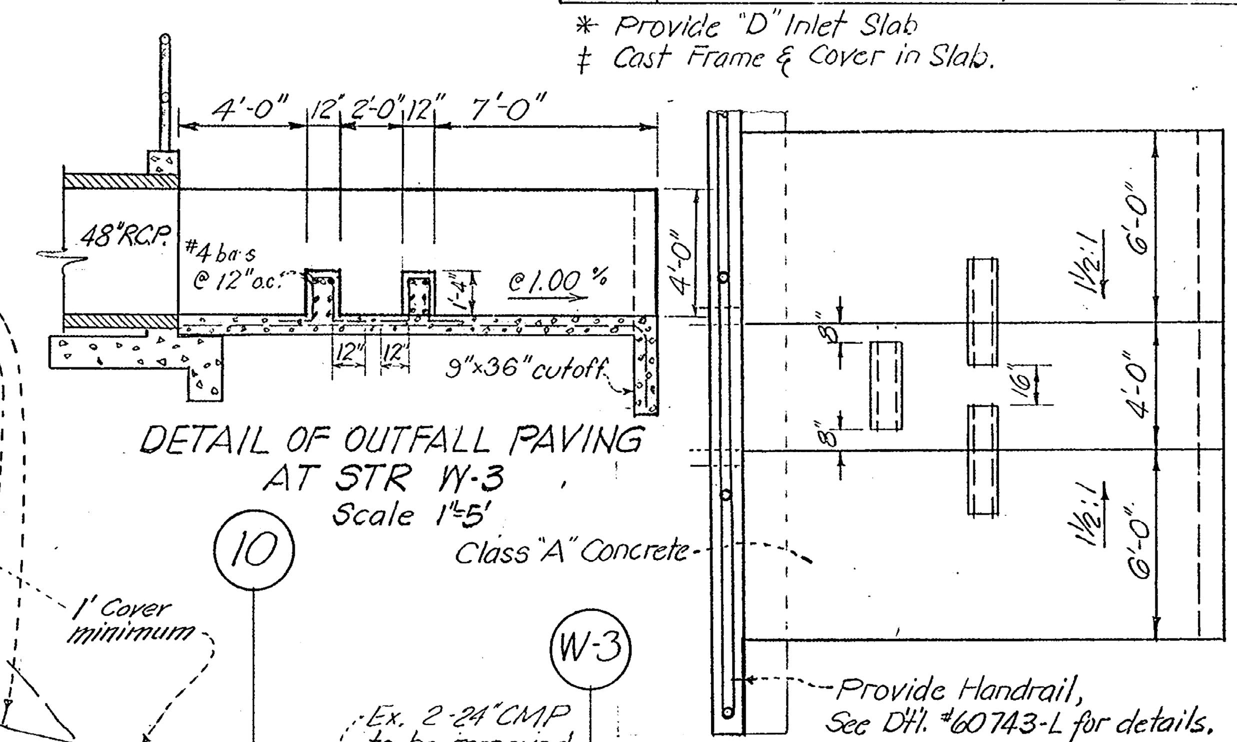






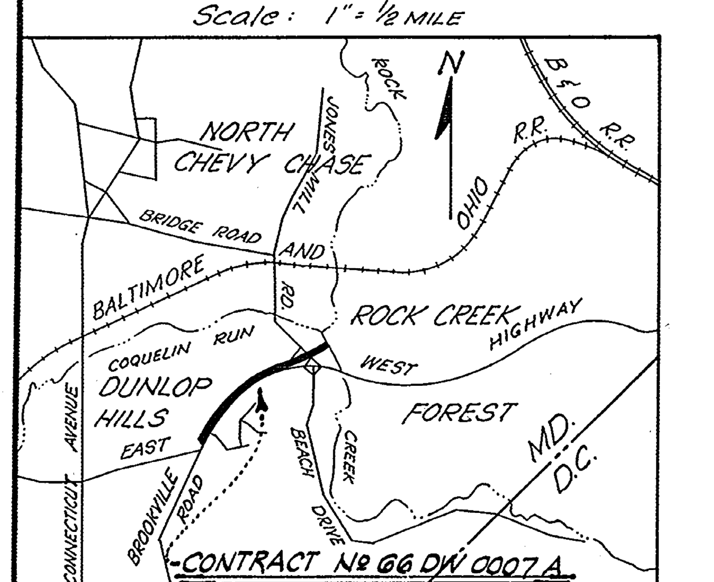


DETAIL OF OUTFALL PAVING AT STR W-3
Scale 1" = 5'

STRUCTURE SCHEDULE			
No.	Type	Top Elev. UPPER LOWER	Remarks
1 *	B-48 MH	260.0	6"x48" Slot under S.W. side
2	B-48 MH	253.7	
3 ‡	B-48 MH	250.3	
4 *	B-48 MH	238.5	" " " " " "
5 *	B-48"x144" MH	234.1	" " " " S.E. "
6 *	B-54 MH	221.7	" " " " W. "
7 *	B-60 MH	212.0	" " " " " "
8 *	B-54 MH	196.0	" " " " " "
9	B-48 MH	249.8	
10 ‡	B-48"x84" MH	184.7	
FC-1	18" x 33" Field Connection		
FC-2	18" x 36" Field Connection		
FC-3	15" x 42" Field Connection		
FC-4	12" x 42" Field Connection, See Detail		
FC-5	6" x 27" Field Connection		
W-2	Std. S.R.C. "E" Endwall for 18" R.C.P. Std. E-W 3		
W-3	W.S.S.C. Standard #60743-L 48" Endwall		

* Provide "D" Inlet Slab
‡ Cast Frame & Cover in Slab.

VICINITY MAP
Scale: 1" = 1/2 MILE



GENERAL NOTES

1. All elevations shown are invert elevations unless otherwise noted.
2. Information concerning underground utilities was obtained from available records, but the contractor must determine the exact location of mains by digging test pits by hand at all utility crossings well in advance of trenching.
3. Adjustments or repairs to utilities damaged as a result of contractors negligence or method of operation must be made at his expense.
4. Grade all disturbed areas to provide positive drainage.
5. **All concrete to be class "A" unless otherwise noted.**
6. **Sod all graded areas on which the slope is 3:1 or greater. All other graded areas shall be seeded and mulched.**

STATE OF MARYLAND — CARLOS TULIO CORDERO — No. 4778 — REGISTERED PROFESSIONAL ENGINEER

C.T. Cordero 1-18-68

DATE	DESCRIPTION
	REVISIONS

CONTRACT NO. 66DW0007A

DRAWN / TRACED / CHECKED / EXAMINED / STARTED

WASHINGTON SUBURBAN SANITARY COMMISSION

APPROVED May 28, 1968 (DATE) — CHIEF ENGINEER

STORM DRAINAGE — AUTHOR 12-9-65 — JOB NO. 66 DW 0007-A

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

EXAMINED FOR		
WATER & SEWER	HK	5/13/68
No R/W REQ'D		5/13/68
OTHER UTILITIES		5/13/68

4705 QUEENSBURY ROAD, RIVERDALE, MARYLAND 20840
BEN DYER ASSOCIATES, INC.
ENGINEERS, SURVEYORS, PLANNERS
TELEPHONE: 779-8500

CONTRACT No. 66DW0007A

BETHESDA DISTRICT, MONTGOMERY COUNTY, MARYLAND
STORM DRAINAGE
EAST-WEST HIGHWAY, BROOKVILLE RD. to ROCK CREEK
FARMINGTON and CHEVY CHASE

DRAWING NO. 1 OF 2

Y
19NW-1,2 & 3
210NW-3

CE 487-3-1

SD FILE NO. 3

68SDG3

DG6015

Scale: 1" = 50'

PIPE & CURVE DATA
Δ = 17° 30' 00"
R = 300.00'
T = 46.17'
L = 91.63'
Max. length of pipe on curve = 8'

PIPE & CURVE DATA
Δ = 23° 30' 00"
R = 150.00'
T = 31.20'
L = 61.52'
Max. length of pipe on curve = 4'

PIPE & CURVE DATA
Δ = 12° 30' 00"
R = 300.00'
T = 32.86'
L = 65.45'
Max. length of pipe on curve = 8'

Build MH over and connect to Ex. 24" R.C.P.

Build MH over & connect to existing 24" R.C.P.

Ex. 36" R.C.P. to be removed as required

Ex. 36" R.C.P. & Walls to be removed.

Ex. 30" R.C.P. to be removed. Connect new 30" R.C.P. to Ex. MH.

Extend 15" R.C.P. as necessary

Remove approx. 20' of bituminous swale and reconstruct to direct water into MH opening as per typical section.

Slot as directed

4" Bit. Paving

TYPICAL SWALE SECTION
Scale 1" = 2'

Remove Ex. HW and Grouted Rip-Rap, Build MH over end of and connect to Ex. 24" S.D.

Build MH over end of and connect to Ex. 18" S.D.

Cut Swale from edge of pavement to opening under S.E. Side of Slab

Remove Ex. Structure, build MH over and connect to Ex. 15", Ex. 18" & Ex. 36" Storm Drains.

Remove Ex. 18" R.C.P. as necessary, Provide Field Connection to 36" R.C.P.

Build MH over and connect to Ex. 21" R.C.P.

T.P. #4-A Elev. 252.45
N. & W. in PEPCo. Pole # G39G45

T.P. #3-A Elev. 236.33
N. & W. in PEPCo. Pole # G20G21

BM # 1496 Elev. 223.16

Property of JANET E. RIMMEL

Ex. 24" T.C.P. to be removed

Existing Wall

BROOKVILLE ROAD

SERVICE DRIVE

GLENGALEN LANE

DUNLOP STREET

ROLTON AVENUE

EAST - WEST HIGHWAY

MATCH LINE

Trav. Sta. GG-A-18

Trav. Sta. GG-A-19

Southwest side open

Ex. 24" R.C.P.

27" R.C.P. Cl. IV @ 1.54%

To be relocated by others

Build MH over and connect to Ex. 24" R.C.P.

Proposed Ground over ℄ of Pipe.

Ex. & Prop. Ground over ℄ of Pipe

Proposed Ground over ℄ of pipe.

Top of N.W. Bank

Edge Ex. Paving

Ground over ℄

6" W. test pit top elev. 243.99

33" R.C.P. Class III @ 2.91 %

Stream Invert

Southwest side open

33" R.C.P. Cl. IV @ 2.5%

Ex. & Prop. Grade over pipe

Southeast side open

Ex. 36" R.C.P. @ 0.87%

8" W. test pit top elev. 231.25
Provide 2' of low cradle 9" each side of water main.

Top of S.E. Bank

Proposed Ground over ℄ of Pipe.

West side open

Swale to invert of opening

36" R.C.P. Cl. III @ 2.36%

Ex. 24" T.C.P.

42" R.C.P.

Ex. 18" R.C.P.

Prop. Ground @ ℄ of Pipe
Ex. Ground @ ℄ of Pipe

8" R.C.P. Cl. IV @ 7.25%

Ex. 15" R.C.P.

Ex. 24" R.C.P.

Ex. 36" R.C.P.

Ex. Macadam Paving

Limit of Grading

Pipe P.I.

Test pit #4

Test pit #5

Ex. Macadam Paving

33" R.C.P.

Ex. Inlet

Ex. MH

FC-1

FC-2

FC-5

WHC

Provide Max. 8' of Sod*

4:1 Max. 2% Min. 2%

1' Minimum Cover

Sta. G - Sta. 1 & Sta. 8 - Sta. 7

Provide 8' of Sod *

4:1 Max. 2% Min.

Sta. G - Sta. 1+40 ± Line 7-G

Provide 8' of Sod*

4:1 Max. 2% Min. 2%

1' Minimum Cover

Sta. 0+90 ± Line 7-G

1' Minimum Cover

4:1 Max. 2% Min.

Sta. W-3 - Sta. 8

NOTE:
* Place length of sod strips parallel to flow and provide pegs with a max. spacing of 2'.

TYPICAL GRADING SECTIONS
NOT TO SCALE

STATE OF MARYLAND — CHARLES FREDERICK CARDEN — No. 4173 — REGISTERED PROFESSIONAL ENGINEER

C. F. Carden 1-18-68

DATE	DESCRIPTION
	REVISIONS

CONTRACT NO. 66DW0007A

DRAWN	WASHINGTON SUBURBAN SANITARY COMMISSION	APPROVED May 28, 1968 DATE — Chief Engineer	STORM DRAINAGE	SUPERVISION FOR MAIN LINES ONLY REQUIRED BY DEPT. OF STATE FORESTS & PARKS BALTIMORE, MD.	EXAMINED FOR	BEN DYER ASSOCIATES, INC. ENGINEERS, SURVEYORS, PLANNERS 4705 QUEENSBURY ROAD, RIVERDALE, MARYLAND 20840 TELEPHONE: 779-8500	CONTRACT No. 66DW0007A
TRACED			AUTHOR		WATER / SEWER		
CHECKED			12-2-65		R/W REQ'D		
EXAMINED			JOB NO.		OTHER UTILITIES		
STARTED			66DW0007-A				

BETHESDA DISTRICT, MONTGOMERY COUNTY, MARYLAND
STORM DRAINAGE
EAST-WEST HIGHWAY, BROOKVILLE RD. to ROCK CREEK
FARMINGTON and CHEVY CHASE

DRAWING NO. 2 OF 2

Y 19 NW-G 12 & 13
21 ON W-3

CE 487-3-2

WSSD FILE NO. 3

D66015

Maryland State Archives