Scale: 1"=50'

N

Rebuild throat of existing Inlet "H". Brick shut end of existing 15" RCP. Remove portion of West Inlet Wall as necessary to tie in new 15" RCP Cl. IV, add new pipe support.

Rebuild throat of existing Inlet "E". Brick shut end of existing 15" RCP in North Inlet Wall. Tie in new 15" RCP Cl. IV at location of existing 15" RCP (West Wall).

Brick shut open ends of existing 12" T.C. & Conc. pipes. Remove top of existing manhole "S" as necessary to construct new pipe, see special detail, sheet G.

Remove portion of existing 15" RCP to construct field connection with 48" RCP Cl. IV. Brick shut East end of existing 15" RCP.

B.M. #3
Nail and Washer in 20" Sycamore.
Elev. = 273.80

Brick shut ends of existing 12" T.C. & 12" conc. pipes and remove existing inlets.

Remove existing headwall and concrete channel paving. Chip wall around existing 36" RCP, to tie into new wall, see details, sheet G.

10' W.S.S.C. Std. Concrete Channel Paving

35' dumped rip rap channel, see details, sheet G

5' Construction Strips

CHEVY CHASE LAND CORPORATION

30' Right of Way For A Storm Drain

Connect 15" RCP Cl. IV to existing Inlet L. Rechannel inlet as necessary.

Brick shut end of 10 existing 12" T.C. pipe and remove existing inlet.

B.M. #2
Nail and Washer in # 622310
Elev. = 266.05 PEPCO Pole

Remove existing 12" Conc. & T.C. Pipes as necessary to construct new 48" RCP Cl. IV. Brick shut ends of existing 22 pipes.

Rebuild throats of existing Inlets "F" and "G".

Remove portion of existing 15" RCP as necessary to construct new manhole No. 2600. Tie in existing 15" RCP from existing Inlet "G". Brick shut end of 15" RCP to existing Manhole.

Rebuild throat of existing Inlet "J". Brick shut end existing 15" RCP. Remove portion of East Inlet Wall as necessary to tie in new 15" RCP Cl. IV, add new pipe support.

B.M. #1
Nail and Washer in 18" Sycamore.
Elev. = 259.06

Brick shut ends of existing 12" conc. and 12" T.C. pipes. Remove existing inlets.

Tie into Inlet #2610 and existing storm drain from the South.

GLENDALE ROAD
DUNLOP STREET
CLUB DRIVE
EAST-WEST HIGHWAY
WOODBINE STREET

STRUCTURE SCHEDULE			
No.	TYPE	TOP ELEV.	REMARKS
2589	48" Endwall		W.S.S.C. Mod. With Flap Gates +
2590	15"x48" Field Connection		W.S.S.C. Standard
2591	B-Manhole		W.S.S.C. Std. 60" Square
2592	A-20 Inlet		W.S.S.C. Standard
2593	B-20 Inlet		W.S.S.C. Standard
2594	B-20 Inlet		W.S.S.C. Standard
2595	15"x48" Field Connection		W.S.S.C. Standard
2596	15"x48" Field Connection		W.S.S.C. Standard
2597	15"x48" Field Connection		W.S.S.C. Standard
2598	15"x48" Field Connection		W.S.S.C. Standard
2599	B-10 Inlet		W.S.S.C. Standard
2600	B-Manhole		W.S.S.C. Std. 60" Square *
2601	15"x48" Field Connection		W.S.S.C. Standard
2602	B-15 Inlet		W.S.S.C. Standard
2603	15"x48" Field Connection		W.S.S.C. Standard
2604	B-20 Inlet		W.S.S.C. Standard
2605	B-10 Inlet		W.S.S.C. Standard
2606	B-Manhole		W.S.S.C. Std. 60" Square
2607	B-20 Inlet		W.S.S.C. Standard
2608	B-20 Inlet		W.S.S.C. Standard
2609	15"x48" Field Connection		W.S.S.C. Standard
2610	B-20 Inlet		W.S.S.C. Mod. W=5'-0"
2611	B-20 Inlet		W.S.S.C. Standard
2612	15"x48" Field Connection		W.S.S.C. Standard
2613	B-Manhole		W.S.S.C. Std. 60" Square
2614	B-Manhole		W.S.S.C. Std. 48" Square
2615	S"Combination Inlet		M.S.R.C. Double Grate Tandem □
2616	S"Combination Inlet		M.S.R.C. Double Grate Tandem □
2617	15"x42" Field Connection		W.S.S.C. Standard
2618	S"Combination Inlet		M.S.R.C. Double Grate Tandem □
2619	15"x42" Field Connection		W.S.S.C. Standard
2620	B-20 Inlet		W.S.S.C. Standard
2621	S"Combination Inlet		M.S.R.C. Double Grate Tandem □
2622	15"x42" Field Connection		W.S.S.C. Standard
2623	S"Combination Inlet		M.S.R.C. Double Grate Tandem □
2953	B-20 Inlet		W.S.S.C. Standard
2954	B-15 Inlet		W.S.S.C. Standard
2955	S"Combination Inlet		M.S.R.C. Double Grate Tandem □
2956	S"Combination Inlet		M.S.R.C. Double Grate Tandem □
2957	B-Manhole		W.S.S.C. Std. 54" Square

See Continuation Sheet No. 2

℄ CURVE DATA				
No.	RADIUS	Δ	TAN	ARC
1	408.76'	07°00'00"	25.00'	50.72'
2	353.00'	07°00'00"	21.59'	43.13'
3	509.04'	04°30'00"	20.00'	39.96'
4	802.64'	13°30'00"	95.00'	189.07'
5	311.00'	12°00'00"	32.69'	65.14'
6	264.00'	35°00'00"	83.24'	161.29'
7	263.00'	11°00'00"	25.32'	50.48'

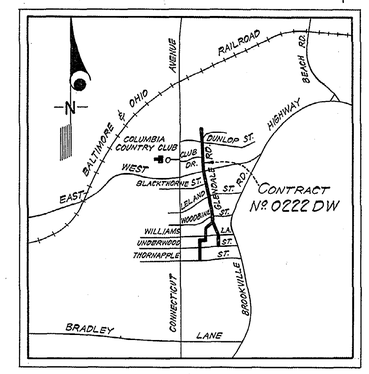
\+ Build wall over end of existing 36" RCP, see details, sheet G

* Manhole frame and cover to be set in top slab.

□ All materials necessary for construction of Md. SRC Std. Inlets to be furnished by the Contractor.

GENERAL NOTES

1. Information concerning underground utilities was obtained from available records, but the Contractor must determine the exact location and elevation of the mains, by test pits, well in advance of trenching. If clearances are less than shown on this plan or six (6) inches, whichever is less, contact the Storm Drainage Section of the Washington Suburban Sanitary Commission before proceeding with construction.
2. Existing utilities which conflict with proposed work will be moved by others, unless otherwise provided on this contract.
3. Adjustment or repair to utilities damaged as the result of the Contractor's negligence or method of operation must be made at his own expense.
4. All pipe elevations shown are invert elevations.
5. Top elevations of structures shall be adjusted in the field to meet existing conditions.
6. Fill over pipes to meet existing ground with a minimum of 1.0 foot of cover.
7. Seed and mulch all backfill in trenches, stream fill and all other disturbed areas unless otherwise specified. Cost to be included in price bid for excavation and backfilling for storm drain. Sod all graded areas in which the slope is 3:1 or greater.
8. Maximum length of pipe laid on curves shall be 8'.
9. Fill shall be provided in the existing stream to the limits shown on the plan according to the Typical Grading Section on sheet 2 and shall be placed in such a manner so as to provide positive drainage.
10. The openings in the manholes, as called for on the plans, shall be W.S.S.C. Standard "D" Inlet openings located immediately under the slab.
11. All inlet tops to match existing top of curb, WSSC inlets to be depressed as necessary to provide 6" minimum clearance at flow line, as shown in detail.
12. All drain tiles to existing storm drains that are disturbed in new pipe excavation shall be connected to new storm drain pipe.
13. Concrete paving in Glendale Road between East-West Highway and Woodbine Street to be removed from joint at gutter to joint at street centerline, for storm drain excavation.



VICINITY MAP
Scale: 1"=2000'

CHECKED: CKK
EXAMINED:

WASHINGTON SUBURBAN SANITARY COMMISSION

APPROVED March 6, 1963 (DATE)
CHIEF ENGINEER

STORM DRAIN
AUTHOR. 10-17-61
JOB NO. 61 DW 5240

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

EXAMINED FOR		
WATER & SEWER	[illegible]	2/21/63
R/W REQ'D.	[illegible]	2/21/63
OTHER UTILITIES	[illegible]	2/25/63

GREENHORNE & O'MARA ENGINEERS
6715 KENILWORTH AVENUE
RIVERDALE, MARYLAND

CONTRACT No. 0222-DW

CHEVY CHASE DISTRICT
STORM DRAINS
GLENDALE ROAD & THROUGH BLOCKS 2, 3 & 4, CHEVY CHASE SECTION 5

DRAWING NO. 1 OF 6
SCALE 1"=50'

No. 0222-DW
210 NW 4 / 209 NW 4
6223G
Y
18 NW 7-4 / 17-2

SD FILE NO. 208

CE 487-207-1

5-1-63

Maryland State Archives

Brick shut three existing 12" T.C. pipes and existing 18" RCP. Remove top of existing manhole as necessary to lay new pipe, see Special Detail, sheet 6.

Brick shut 12" T.C. pipe (NW). Build up existing manhole and tie in new 15" RCP Cl. III to new manhole No. 2957, using same opening as existing 12" T.C. pipe (SW), see Special Detail, sheet 6.

Remove existing inlet and brick shut end of existing 10" T.C. pipe.

Remove existing inlet and brick shut end of existing 10" T.C. pipe.

Remove existing inlet and 10" T.C. pipe.

Remove existing inlet and brick shut end of existing 10" T.C. pipe.

Remove existing manhole and build new manhole at same location. Tie in existing 10" T.C. pipe (NW), existing 18" RCP (East) and new 15" RCP Cl. III. Brick shut end of existing 18" RCP.

Remove existing manhole and 36" CMP as necessary to construct new 36" RCP Cl. III. Brick shut ends.

Remove existing inlet and brick shut existing 12" T.C. pipe.

Remove existing inlet and existing 36" CMP as necessary to construct new 36" RCP Cl. III.

Remove existing inlets and brick shut ends of existing 10" T.C. pipes.

Remove portion of existing 12" T.C. pipe as necessary to clear new 36" RCP Cl. III and brick shut open end.

Remove existing inlet and brick shut existing 12" T.C. pipe

Remove portions of existing 12" T.C pipes as necessary to clear new 42" RCP Cl. III, Brick shut open ends of 12" T.C. pipes.

Remove portions of existing 12" T.C. pipes as necessary to clear new 42" RCP Cl. III. Brick shut open ends of 12" T.C. pipes.

Remove existing inlets and brick shut ends of existing 10" T.C. pipes.

Brick shut end of existing 12" T.C. pipe. Remove portion of manhole wall as necessary to tie in new 15" RCP Cl. III.

B.M. #4
Nail and Washer in 22" Sycamore
Elev = 280.94

B.M. #5
Nail and Washer in 20" Maple
Elev = 286.31

CURVE #4
CURVE #5
CURVE #6

15" RCP Cl. IV
15" RCP Cl. III
15" RCP Cl. V
21" RCP Cl. III
42" RCP Cl. III
48" RCP Cl. III
36" RCP Cl. III
18" RCP Cl. III
33" RCP Cl. III

7.5' Construction Strips

6' Right Of Way For A Storm Drain

7' Right Of Way For A Storm Drain

5' Right of Way For A Storm Drain

6" Gas to be relocated by others

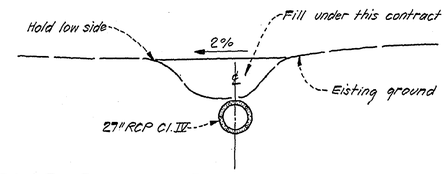
SEE MATCH LINE "A-A" SHEET NO. 1 OF 3

SEE MATCH LINE "B-B" SHEET NO. 3 OF 3

Scale: 1" = 50'

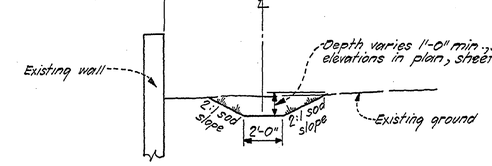
STRUCTURE SCHEDULE CONTINUED

No.	TYPE	TOP ELEV.	REMARKS
2958	15"x42" Field Connection		W.S.S.C. Standard
2959	B-10 Inlet		W.S.S.C. Standard
2960	15"x42" Field Connection		W.S.S.C. Standard
2961	15"x42" Field Connection		W.S.S.C. Standard
2962	B-10 Inlet		W.S.S.C. Standard
2963	B-Manhole		W.S.S.C. Std. 54" Square *
2964	B-10 Inlet		W.S.S.C. Standard
2965	B-10 Inlet		W.S.S.C. Standard
2966	A-10 Inlet		W.S.S.C. Standard W=6'-0"
2967	A-15 Inlet		W.S.S.C. Standard
2968	B-Manhole		W.S.S.C. Std. 54" Square
2969	B-Manhole		W.S.S.C. Std. 54" Sq. 6"x4'-8" Opening On All Sides *
2970	B-Manhole		W.S.S.C. Mod. 48" Sq. 6"x4'-0" Opening On All Sides #
2971	A-5 Inlet		W.S.S.C. Standard
2972	A-10 Inlet		W.S.S.C. Standard #
2973	B-Manhole		W.S.S.C. Std. 66" Square *
2974	B-Manhole		W.S.S.C. Std. 48" Square
2975	A-5 Inlet		W.S.S.C. Standard #
2976	"S" Combination Inlet		M.S.R.C. Double Grate Tandem □
2977	A-5 Inlet		W.S.S.C. Standard
2978	"S" Combination Inlet		M.S.R.C. Double Grate Tandem □
2979	B-Manhole		W.S.S.C. Mod. 48" Sq. 6"x4'-0" Opening On All Sides #
2980	B-Manhole		W.S.S.C. Std. 60" Square *
2981	B-Manhole		W.S.S.C. Std. 48" Square
2982	B-20 Inlet		W.S.S.C. Standard
2983	A-5 Inlet		W.S.S.C. Mod. W=5'-6"
2984	B-Manhole		W.S.S.C. Std. 48" Square
2985	B-Manhole		W.S.S.C. Mod. 48" Sq. 6"x4'-0" Opening On All Sides #
2986	E-Inlet		W.S.S.C. Standard #
2987	B-Manhole		W.S.S.C. Std. 48" Square
2988	A-5 Inlet		W.S.S.C. Standard
2989	C-1 Inlet		W.S.S.C. Standard
2990	B-20 Inlet		W.S.S.C. Standard
2991	"S" Combination Inlet		M.S.R.C. Double Grate Tandem □
2992	C-1 Inlet		W.S.S.C. Std.
2994	"S" Combination Inlet		M.S.R.C. Double Grate Tandem □
2995	A-10 Inlet		W.S.S.C. Standard



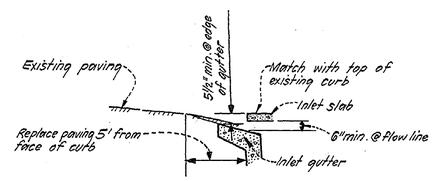
TYPICAL GRADING SECTION

No Scale
From Manhole No. 2979 to Manhole 2980



GRADING DITCH DETAIL

Scale: 1/4" = 1'-0"
East of Wall at Manhole No. 2970



VERTICAL LOCATION W.S.S.C. STANDARD INLETS

No Scale

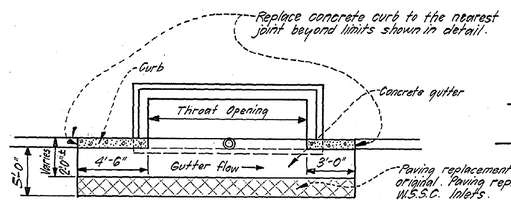
* Manhole Frame and cover to be set in top slab.

\# Granite block bottom.

\# Use D-Inlet Type opening below slab, use D-Inlet Type slab (W.S.S.C. Std.) 4" thick #4 bars @ 6" o.c.

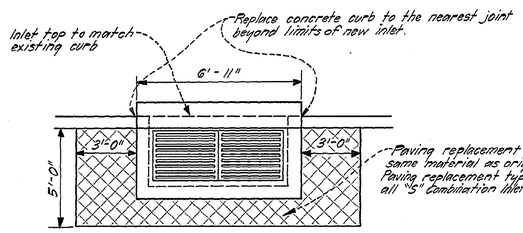
\# E-Inlet grate to be set in top slab (Use 4" thick D-Inlet type slab).

□ All materials necessary for the construction of Md. SRC Inlets to be furnished by the Contractor.



PAVING REPLACEMENT AT W.S.S.C STANDARD INLETS

No Scale



PAVING REPLACEMENT AT S.R.C. "S" COMBINATION INLETS

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

NOTE:
All materials necessary for the construction of Md. SRC Std. Inlets to be furnished by the Contractor.

WASHINGTON SUBURBAN SANITARY COMMISSION	APPROVED March 6, 1963 (DATE) Robert J. McLeod (CHIEF ENGINEER)	STORM DRAIN AUTHOR. 10-17-61 JOB NO. 61DW5340	SUPERVISION FOR MAIN LINES ONLY REQUIRED BY DEPT. OF STATE FORESTS & PARKS BALTIMORE, MD.	EXAMINED FOR WATER & SEWER / R/W REQ'D. / OTHER UTILITIES	GREENHORNE & O'MARA ENGINEERS 6715 KENILWORTH AVENUE RIVERDALE, MARYLAND	CONTRACT No. 0222-DW	CHEVY CHASE DISTRICT STORM DRAINS GLENDALE ROAD & THROUGH BLOCKS 2, 3 & 4, CHEVY CHASE SECTION 5	DRAWING NO. 2 OF 6	SCALE As Shown	No. 0222-DW 209 NW4 G2237 Y 18 NW7-264

CE 487-207-2

SD FILE NO. 208

Scale: 1"=50'

Remove existing inlet and portion of existing 24" T.C. pipe across Williams Lane as necessary to construct new 21" RCP Cl. III. Brick shut downstream end of existing 24" T.C. pipe.

B.M. #11 Elev.=305.08
"X" cut in West edge of Sewer Manhole Rim.

Provide 6"x4'-0" openings on all Manhole Walls

Grade area to provide drainage to manhole openings, see Grading Ditch Detail, sheet 2.

Grading letter required

6' Construction Strips

Connect 4" T.C. pipe roof drain with 21" RCP Cl. IV

18' Right Of Way For A Storm Drain

6' Construction Strips

33" RCP Cl. III

Provide 6"x4'-6" opening on all sides of manhole and grade area to provide positive drainage

7.5' Construction Strip

B.M. #6 Elev.=295.07
Nail and Washer in corner of garage.

CURVE #6
Right Of Way For A Storm Drain
Remove existing inlet and 24" T.C. pipe

27" RCP Cl. IV

25' Right Of Way For A Storm Drain

Provide 6"x4'-0" opening on all sides of manhole. Grade area to provide positive drainage.

B.M. #7 Elev.=294.67
Nail and Washer in 24" Willow Oak. Do not disturb 24" Willow Oak.
18' Right Of Way For A Storm Drain

CURVE #7
P.I. Limit of grading, see Typical Grading Section, sheet 2

Remove existing endwall and channel paving. Connect existing 24" T.C. & 24" Conc. pipes to new manhole.

6' Construction Strips

Remove existing manhole and construct new manhole. Tie in existing 24" T.C. and existing 24" Concrete pipes and new 24" RCP Cl. IV across Williams Lane.

6' Right Of Way For A Storm Drain

Exercise extreme caution in excavation in vicinity of ex. 6" water. Exact location undetermined.

B.M. #8 Elev.=304.91
X cut in East Edge of Sewer Manhole Rim.

Manhole #2986 and 21" RCP Cl. IV to be centered on hedge row between driveways.

Remove existing grate inlet. Tie into new manhole incoming 18" & 6" T.C. pipes and brick shut end of outgoing 18" T.C. pipe. Provide 6"x4'-0" opening on all sides and grade area to provide positive drainage.

24" RCP Cl. IV

Remove existing inlet and brick shut existing concrete pipes.

21" RCP Cl. IV

Remove existing inlet and brick shut end of existing concrete pipe.

Remove existing inlet. Brick shut end of existing 12" concrete pipe across Underwood Street.

Remove existing inlet and portion of existing 18" concrete pipe as necessary to construct new manhole. Brick shut ends of existing 12" pipes.

Remove existing inlet, existing manhole and existing concrete spillway as necessary to construct new 18" RCP Cl. III and Inlet.

PEPCO Pole to be relocated by others.

Right Of Way For A Storm Drain

6' Construction Strip

Remove existing manhole and existing 18" concrete pipe as necessary to lay new 18" RCP Cl. III.

Remove existing 12" concrete pipe as necessary to construct new 18" RCP Cl. IV.

Remove existing inlet. Remove portion of existing 12" concrete pipe to existing manhole as necessary to clear new construction, brick shut end.

Remove existing inlet and connect existing 18" concrete pipe to new inlet in addition to new 24" RCP Cl. IV; brick shut end of existing 24" T.C. pipe across Williams Lane

24" RCP Cl. IV

21" RCP Cl. IV

15" RCP Cl. IV

18" RCP Cl. IV

Pole to be relocated by others

Remove portion of existing T.C. pipe as necessary to construct new 18" RCP Cl. III. Brick shut open ends of existing 18" T.C. pipes.

15" RCP Cl. III

Remove existing inlet. Brick shut ends of existing 12" concrete pipe across Underwood Street.

15" RCP Cl. V

B.M. #12 Elev.=317.06
Nail and Washer in South side of 36" Maple.

Rechannel existing inlet. Remove existing 12" concrete pipe and replace with new 15" RCP Cl. III as shown in profile.

15" RCP Cl. III

Remove existing inlet and portion of existing 12" concrete pipe across Underwood Street as necessary to clear construction and brick shut ends of 12" concrete pipe

18' Right Of Way For A Storm Drain

Remove macadam paving as necessary to build "E" Inlet. Replace paving in a manner that will provide positive drainage to grate.

15" RCP Cl. V

B.M. #9 Elev.=318.03
Nail and Washer in South Root of 20" Maple

Remove existing inlet and brick shut existing 12" concrete pipe.

B.M. #10 Elev.=329.31
P.K. Nail in North Root of 36" Maple.

18" RCP Cl. III

Remove existing inlet. Brick shut end of existing 18" T.C. pipe across Thornapple Street. Connect existing 12" T.C. pipe to new inlet.

Gas valve and gas main to be relocated by others.

Remove existing grate inlet and 10" T.C. pipe as necessary to construct new 15" RCP Cl. III. Brick shut end of existing 10" T.C. pipe.

Remove existing inlet. Brick shut open ends of existing 10" and 18" T.C. pipes.

MELROSE STREET
DELKEITH STREET
WILLIAMS LANE
UNDERWOOD STREET
THORNAPPLE STREET
PICKETT STREET
SHEARIN STREET
MACE
BROWN
MATTHIE
WURTH
MANN
WILSON
MAYLOR
GREEN
WALKER
HASKINS
CARALOW

See Match Line Sheet No. 2 of 6

DETAIL OF 8" WATER LOWERING

No Scale

Between Structures #2618 & #2617

NOTE: All water mains and fittings to be C.I. Class 22

Block bends with concrete. See Std. Details 56811-L and 56812-L, Class C.

Existing paving
Remove section of existing 8" water main
Connect to existing 8" water main with 8"-⅛ BV
Ex. 8"W
6'±l. min.
Inv.= 278.44
Use 8"-⅛ BV Inv.= 276.50
Use 8"-⅛ BV Inv.= 276.50
Use standard Cl. "B" blocking at all bends, see details, sheet 57785-L
6'-0"
Use 6'-0" length of pipe centered on ℄ of 42" RCP Cl. III

DETAIL OF 6" WATER LOWERING

No Scale

Between Structures #2601 & #2600

NOTE: All water mains and fittings to be C.I. Class 22.

Existing paving
Remove section of existing 6" water main
Connect to existing 6" water main with 6"-⅛ BV
Ex. 6"W
6'±l. min.
Inv.= 258.51
Use 6"-⅛ BV Inv.= 256.84
Use 6"-⅛ BV see detail, sheet 57785-L
6'-0"
Use 6'-0" length of pipe centered on ℄ of 48" RCP Cl. IV

WASHINGTON SUBURBAN SANITARY COMMISSION	APPROVED March 6, 1963 (DATE) Robert J. McLeod, CHIEF ENGINEER	STORM DRAIN: AUTHOR. 10-17-61; JOB NO. 61 DW 5340	SUPERVISION FOR MAIN LINES ONLY REQUIRED BY DEPT. OF STATE FORESTS & PARKS BALTIMORE, MD.	EXAMINED FOR: STORM SEWERS; R/W REQ'D.; OTHER UTILITIES	GREENHORNE & O'MARA ENGINEERS 6715 KENILWORTH AVENUE RIVERDALE, MARYLAND	CONTRACT No. 0222-DW	CHEVY CHASE DISTRICT STORM DRAINS GLENDALE ROAD & THROUGH BLOCKS 2, 3 & 4, CHEVY CHASE SECTION 5	DRAWING NO. 3 OF 6	SCALE 1"=50'	209 NW 4; G 2238; Y; 18 NW 7-6

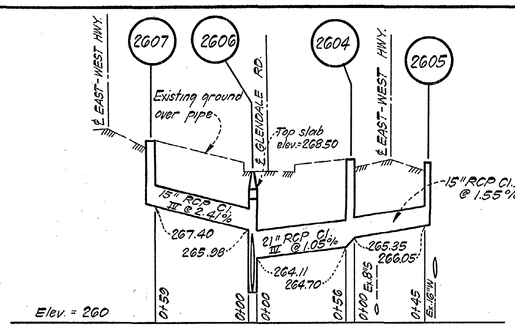
No. 0222-DW

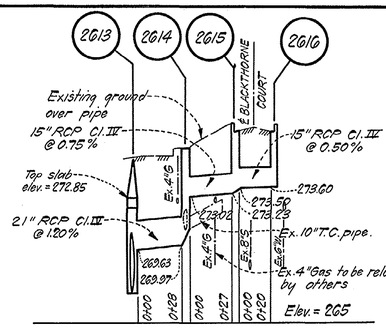
CE 487-207 -3

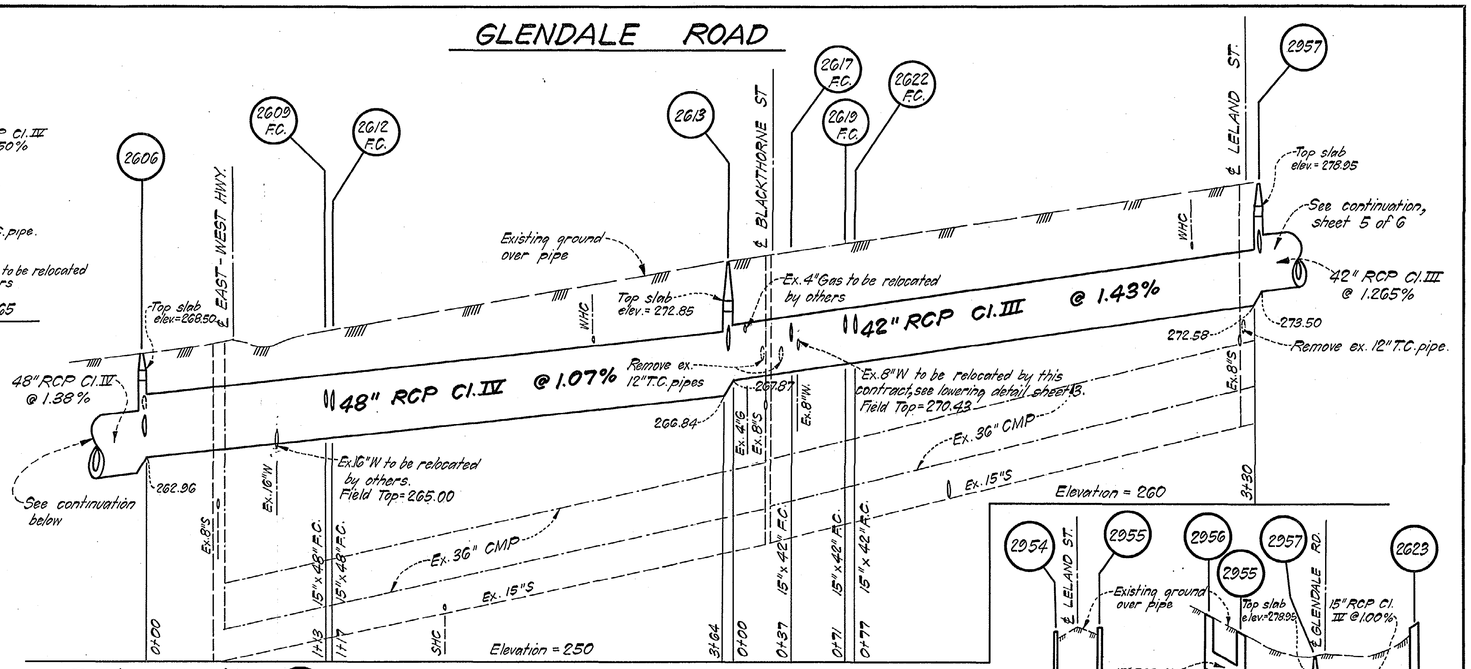
SD FILE NO. 208

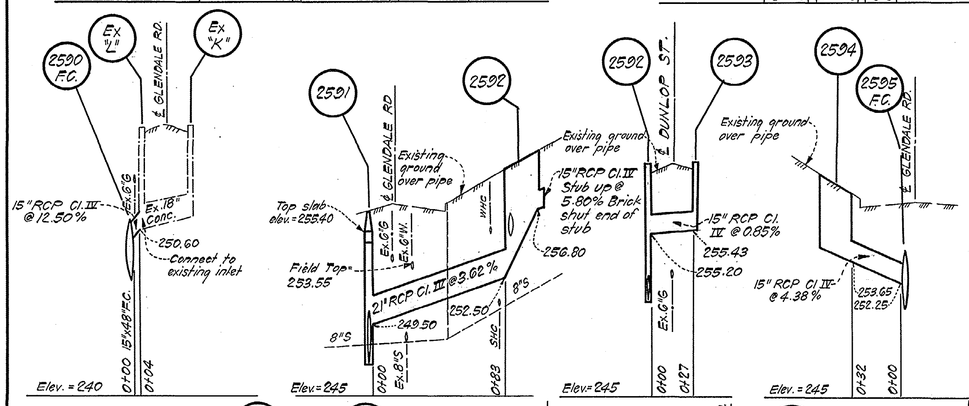
Maryland State Archives

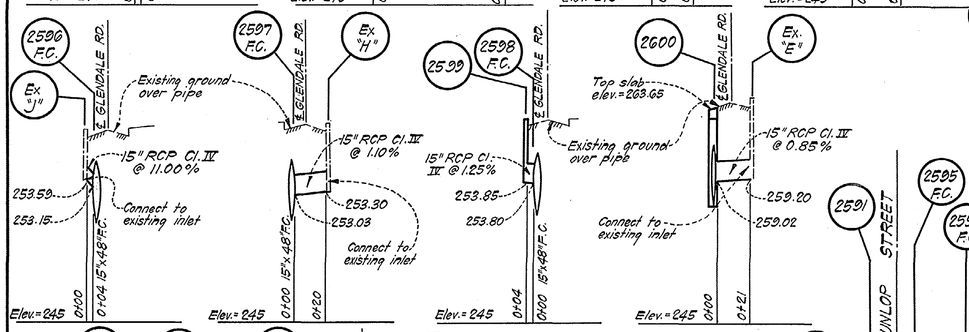
GLENDALE ROAD

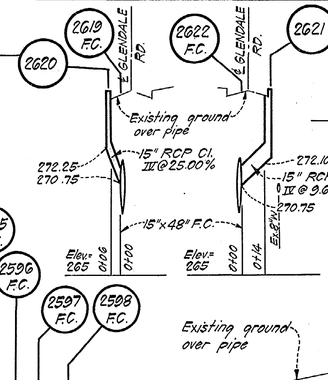




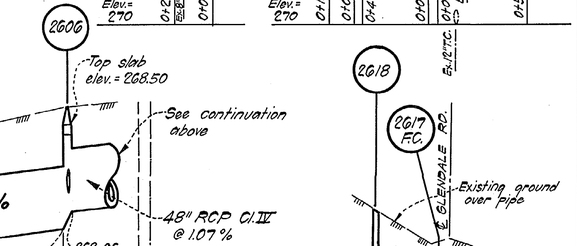


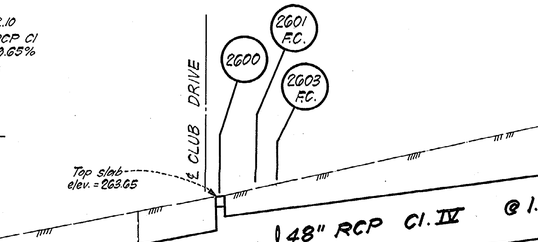






GLENDALE ROAD





PROFILES

WASHINGTON SUBURBAN SANITARY COMMISSION	APPROVED March 6, 1963 (DATE) Richard J. McLaud CHIEF ENGINEER	STORM DRAIN AUTHOR. 10-17-61 JOB NO. 61DW5340	SUPERVISION FOR MAIN LINES ONLY REQUIRED BY DEPT. OF STATE FORESTS & PARKS BALTIMORE, MD.	EXAMINED FOR WATER & SEWER / R/W REQ'D. / OTHER UTILITIES	GREENHORNE & O'MARA ENGINEERS 6715 KENILWORTH AVENUE RIVERDALE, MARYLAND	CONTRACT No. 0222DW	CHEVY CHASE DISTRICT **STORM DRAINS** GLENDALE ROAD & THROUGH BLOCKS 2, 3 & 4, CHEVY CHASE SECTION 5

DRAWING NO. 4 OF 6 | SCALE Hor. 1"=50' Ver. 1"=5' | G2239 Y

No. 0222 DW

CE487-207-4

SD FILE NO. 208

Maryland State Archives

DELKEITH STREET

Existing ground over pipe
15" RCP Cl. IV @ 3.92%
302.90
301.45
Ex. 6"S
Ex. 6"S
Elev. = 295

Existing ground over pipe
15" RCP Cl. V @ 0.40%
E. UNDERWOOD ST.
312.40
312.28
T.P. = 311.61 (As built)
Elev. = 305

Provide 6"x 4'-0" opening below slab on all four manhole walls. Elev. of opening = 305.6.
Existing ground over pipe
See pier detail, sheet #3
Top slab elev. = 314.85
E. UNDERWOOD ST.
21" RCP Cl. IV @ 1.80%
Existing macadam driveway
Existing ground over pipe
Existing macadam driveway
Field Top = 323.97
E. THORNAPPLE ST.
18" RCP Cl. IV @ 0.93%
Ex. 12" T.C.P.
324.50
320.90
Ex. 6"G to be relocated by others
18" RCP Cl. IV @ 2.78%
320.42
320.61
Elev. = 315

Existing ground over pipe
15" RCP Cl. IV @ 26.2%
315.65
312.50
Elev. = 305

Top slab elev. = 294.47. Provide 6"x 4'-6" opening below slab on all four sides. Elevation of opening = 293.30. Grade area to provide positive drainage.
Provide 6"x 4'-0" opening on all sides of manhole and grade area to provide positive drainage. Invert of opening elev. = 290.80
Ex. 6"G to be relocated by others
E. WILLIAMS LANE
Existing driveway
Top slab elev. = 300.58
2:1 slope
24" RCP Cl. IV @ 1.40%
21" RCP Cl. IV @ 3.17%
21" RCP Cl. IV @ 6.00%
Top slab elev. = 302.50
24" RCP Cl. IV @ 1.40%
24" RCP Cl. IV @ 2.50%
Ex. 24" RCP @ 3.00%
Top of existing banks
2:1 slopes
2:1 slope
Remove and replace Walls as necessary
2%
2%
293.30
298.40
298.40
300.42
299.24
298.61
302.16
302.41
302.90
302.65
307.05
306.80
310.79
309.78
310.19
312.45
311.97
311.45
Ex. 12" Conc. Pipe
Field Top = 310.92
Ex. 18" T.C.P.
Elevation = 310
29' WSSC Std. Low Cradle. Break cradle 9" each side of 6"W and 8"S.
Elev. = 300
Elev. = 295
Elev. = 290
Exercise extreme caution in excavation in vicinity of 6"W. Exact location undetermined.
33" RCP Cl. IV @ 1.495%
27" RCP Cl. IV @ 1.89%
27" RCP Cl. III @ 2.39%
Existing ditch invert
287.41
286.22
286.90
284.94
290.40
Elev. = 285
Elev. = 280

Existing ground over pipe
E. THORNAPPLE ST.
15" RCP Cl. V @ 2.89%
Field Top = 323.97
325.15
326.22
Elev. = 320

Existing ground over pipe
15" RCP Cl. IV @ 4.10%
15" RCP Cl. IV @ 1.00%
281.75
281.70
282.06
281.20
Field Top = 280.76
Elev. = 275

Existing ground over pipe
15" RCP Cl. IV @ 5.00%
Field Top = 275.07
276.80
275.85
15" x 42" F.C.
Elev. = 270

Existing ground over pipe
15" RCP Cl. IV @ 8.06%
279.20
277.75
Field Top = 277.45
15" x 42" F.C.
Existing wall
Cinder block wall
Existing ground over pipe
2%
Elev. = 270

Top slab elev. = 295.68. Provide 6"x 4'-0" slots on all sides. Opening elev. = 294.80. Grade area to provide positive drainage.
E. WILLIAMS LANE
Existing concrete driveway
Ex. 18" Concrete Pipe
Top slab elev. = 309.80
18" RCP Cl. IV @ 2.00%
Existing ground over pipe
18" RCP Cl. IV @ 3.33%
18" RCP Cl. III @ 2.98%
307.09
306.84
305.15
304.90
See continuation this sheet
Ex. 24" T.C.P.
T.P. = 300.00 (As built)
301.30
21" RCP Cl. IV @ 2.00%
21" RCP Cl. IV @ 2.68%
297.31
296.95
296.35
21" RCP Cl. IV @ 3.50%
292.25
291.08
Elevation = 290

Existing ground over pipe
15" RCP Cl. IV @ 23.75%
276.75
275.80
15" x 42" F.C.
Elev. = 270

Existing ground over pipe
36" RCP Cl. IV @ 1.20%
E. WOODBINE ST.
Top slab elev. = 287.00
Field Top = 282.07
Existing driveway
33" RCP Cl. IV @ 1.40%
282.50
282.27
281.80
281.50
287.41
285.04
Elevation = 280

Existing ground over pipe
15" RCP Cl. IV @ 1.60%
15" RCP Cl. V @ 1.20%
15" RCP Cl. IV @ 0.28%
312.45
312.40
Ex. 12" Concrete Pipe
Field Top = 311.57
18" RCP Cl. IV @ 2.00%
312.00
312.25
309.73
310.56
308.77
306.84
307.09
Elev. = 300

8"G to be relocated by others
Field Top = 274.34
Top slab elev. = 278.95
42" RCP Cl. III @ 1.265%
See continuation sheet 4 of G
42" RCP Cl. III @ 1.43%
G"W to be relocated by this contract, see lowering detail, sheet 6
273.50
Ex. 36" CMP
Ex. 15"S
Ex. 15" x 42" F.C.
Elevation = 265
Elevation = 260

Ex. 10"W to be lowered by this contract, see lowering detail, sheet 6
Elevation = 270
279.15
280.82
Ex. 15"S
36" RCP Cl. III @ 1.05%
Ex. 6"G to be relocated by others

Existing ground over pipe
15" RCP Cl. IV @ 0.92%
Field Top = 310.75
311.40
312.60
312.50
311.62
Rechannel existing inlet as necessary
Elev. = 305

Existing ground over pipe
15" RCP Cl. IV @ 0.55%
18" RCP Cl. IV @ 2.92%
See continuation this sheet
306.84
307.09
Elev. = 300

PROFILES

WASHINGTON SUBURBAN SANITARY COMMISSION	APPROVED March 6, 1963 (DATE) Robert J. McLeod (CHIEF ENGINEER)	STORM DRAIN AUTHOR. 10-17-61 JOB NO. GIDW5340	SUPERVISION FOR MAIN LINES ONLY REQUIRED BY DEPT. OF STATE FORESTS & PARKS BALTIMORE, MD.	EXAMINED FOR: WATER & SEWER, R/W REQ'D., OTHER UTILITIES	GREENHORNE & O'MARA ENGINEERS 6715 KENILWORTH AVENUE RIVERDALE, MARYLAND	CONTRACT No. 0222 DW	CHEVY CHASE DISTRICT STORM DRAINS GLENDALE ROAD & THROUGH BLOCKS 2, 3 & 4 CHEVY CHASE SECTION 5

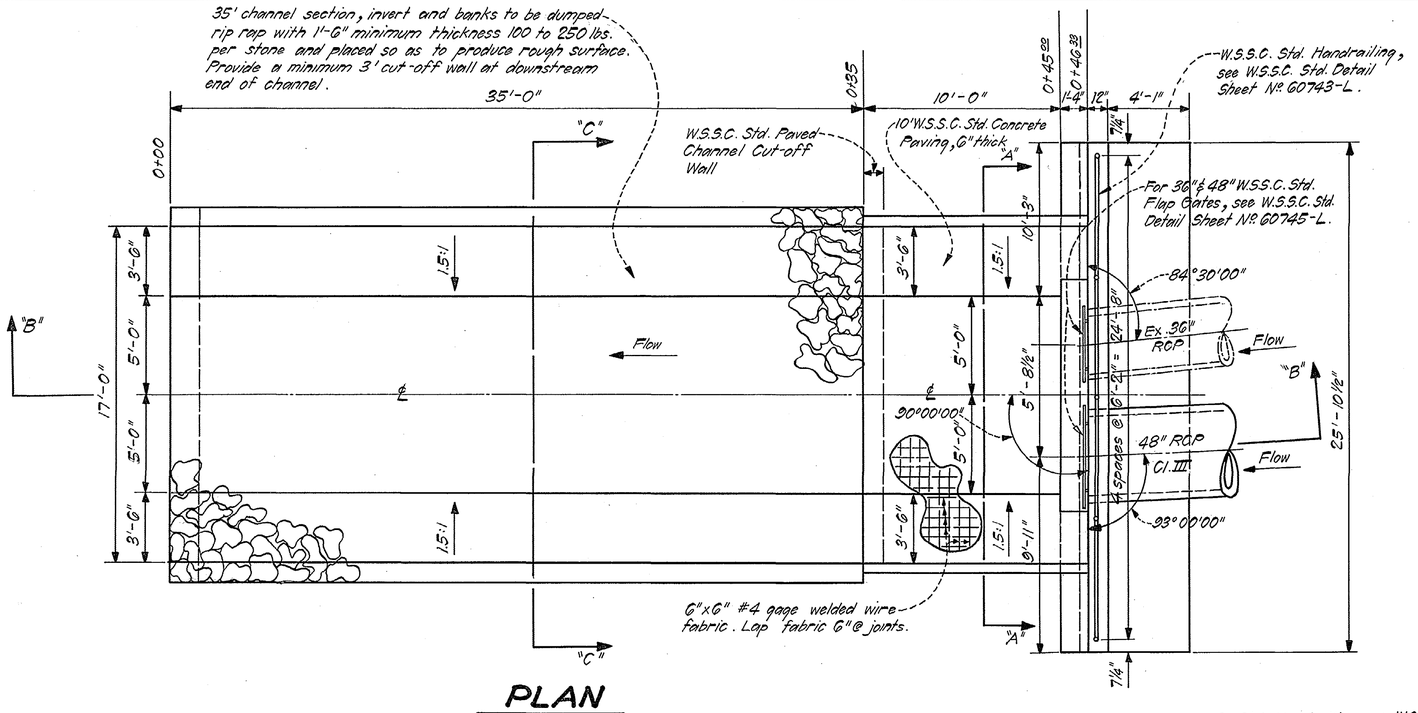
DRAWING NO. 5 OF 6 | SCALE Hor. 1"=50' Ver. 1"=5' | 62240 Y

No. 0222 DW

CE 487-207-5

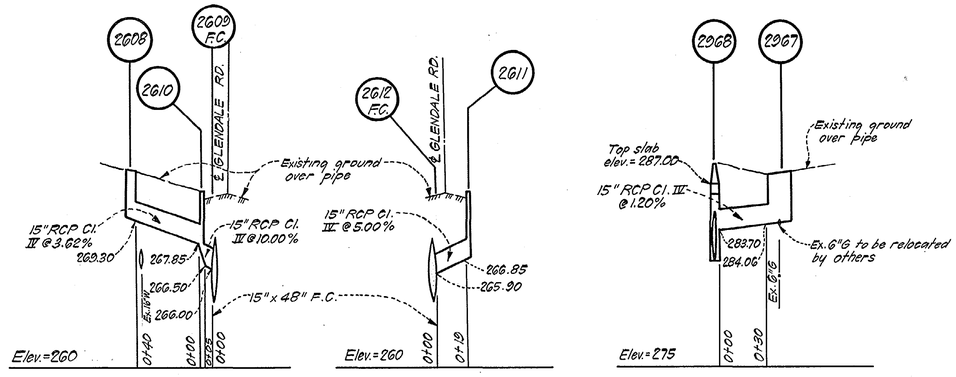
SD FILE NO. 208

Maryland State Archives



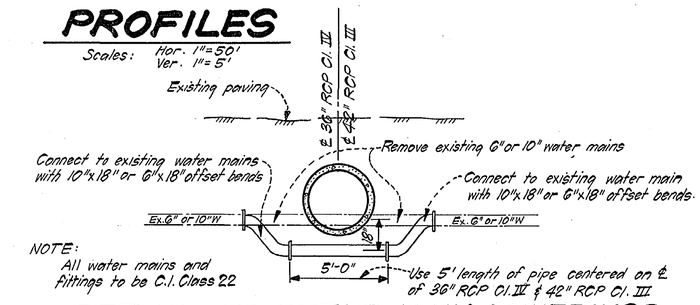
PLAN

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



PROFILES

Scales: Hor. 1"=50'
Ver. 1"=5'

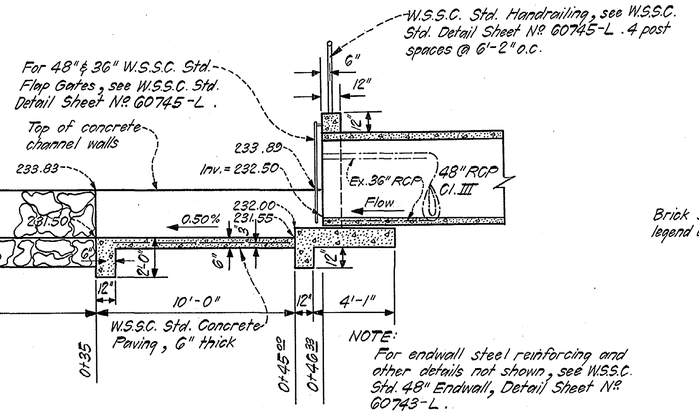


NOTE:
All water mains and fittings to be C.I. Class 22

DETAIL OF WATER MAIN LOWERINGS

No Scale

6" Lowering Between Structures #2058 & #2057
10" Lowering Between Structures #2066 & #2063



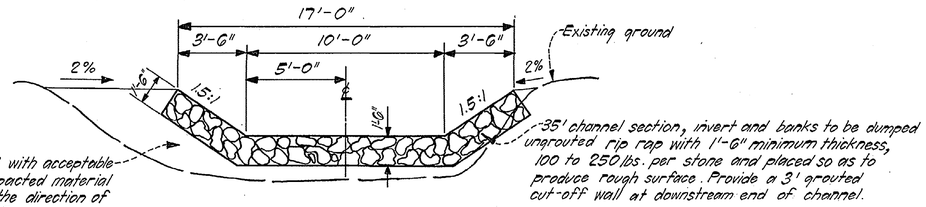
NOTE:
For endwall steel reinforcing and other details not shown, see W.S.S.C. Std. 48" Endwall, Detail Sheet No. 60743-L.

SECTION "B"-"B"

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

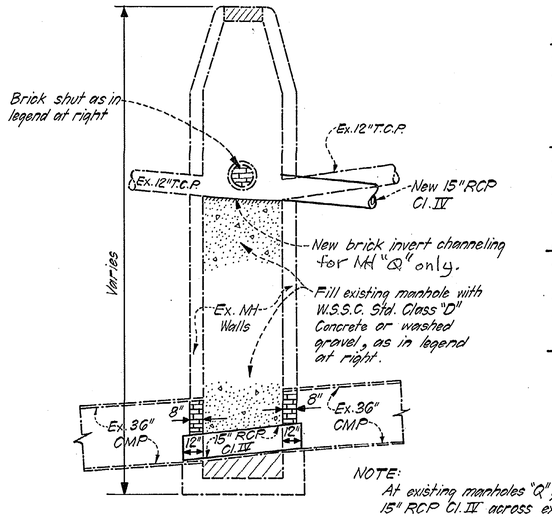
SECTION "A"-"A"

See W.S.S.C. Std. Concrete Channel Paving Detail Sheet No. 56122 5-L.



SECTION "C"-"C"

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



NOTE:
At existing manholes "Q","R","S" & "T", lay a section of 15" RCP Cl. IV across existing manhole invert, to provide unobstructed flow. Brick shut remainder of existing pipe opening as shown. Length of new pipe section to be such that pipe ends extend 12" beyond face of wall.

LEGEND FOR EXISTING MANHOLES "Q","R","S" AND "T"

EX. MH-"Q"- Brick shut existing 12" T.C. pipe (N.W.). Remove existing 12" T.C. pipe (S.W.) and replace with 15" RCP Cl. IV to connect to new Manhole No. 2057. Fill existing manhole as shown and rechannel invert for remaining storm drains. Do not disturb frame and cover.

EX. MH-"R"- Fill existing manhole as shown to 8" below rim. Remove manhole walls and frame and cover above this elevation as necessary to lay new 42" RCP Cl. IV. Brick shut all existing 18" and 12" storm drain pipes. Backfill resulting void with select backfill material.

EX. MH-"S"- Fill existing manhole as shown to 8" below rim. Remove manhole walls and frame and cover above this elevation as necessary to lay new 48" RCP Cl. IV. Brick shut all existing 12" storm drain pipes. Backfill resulting void with select backfill material.

EX. MH-"T"- Fill existing manhole to rim.

STRUCTURE No. 2589, CONCRETE CHANNEL AND RIP RAP CHANNEL

SPECIAL DETAILS EXISTING MANHOLES "Q","R","S" & "T"

No Scale

WASHINGTON SUBURBAN SANITARY COMMISSION	APPROVED March 6, 1963 (DATE) Robert J. McLeod (CHIEF ENGINEER)	STORM DRAIN: AUTHOR. 10-17-61; JOB NO. 61DW5340	SUPERVISION FOR MAIN LINES ONLY REQUIRED BY DEPT. OF STATE FORESTS & PARKS BALTIMORE, MD.	EXAMINED FOR: WATER & SEWER; R/W REQ'D.; OTHER UTILITIES	GREENHORNE & O'MARA ENGINEERS 6715 KENILWORTH AVENUE RIVERDALE, MARYLAND	CONTRACT No. 0222 DW	CHEVY CHASE DISTRICT STORM DRAINS GLENDALE ROAD & THROUGH BLOCKS 2, 3 & 4, CHEVY CHASE SECTION 5

DRAWING NO. 6 OF 6 | SCALE As Shown | No. 0222 DW | 62241 | Y

CE 487-207--6

SD FILE NO. 208

Maryland State Archives