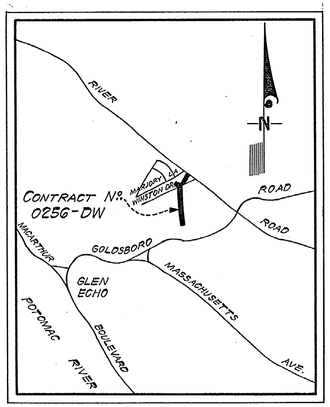
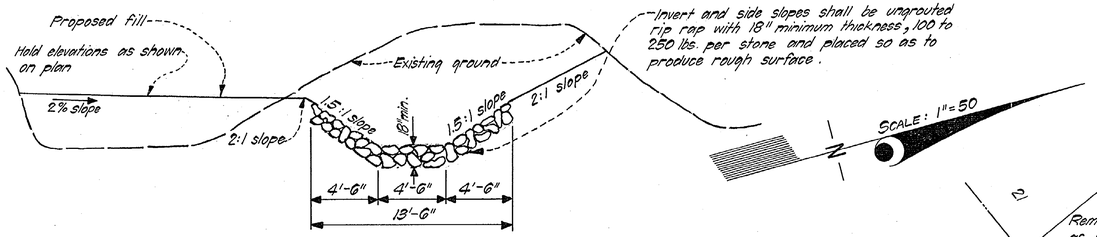


CONTRACT Nº 0256-DW

VICINITY MAP

Scale: 1"=2000'

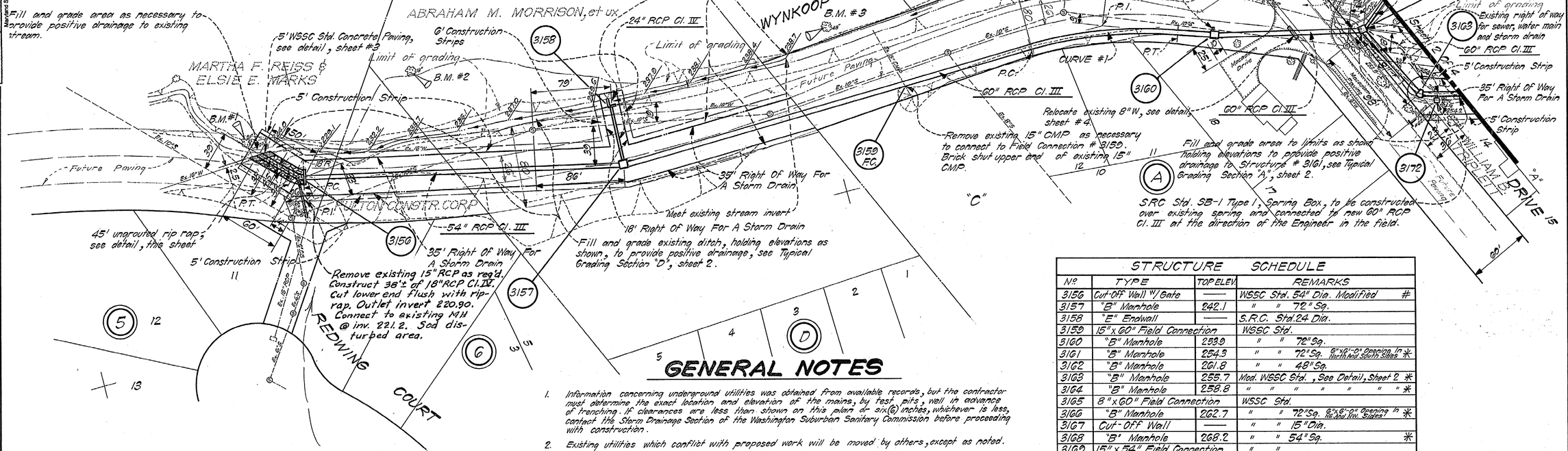


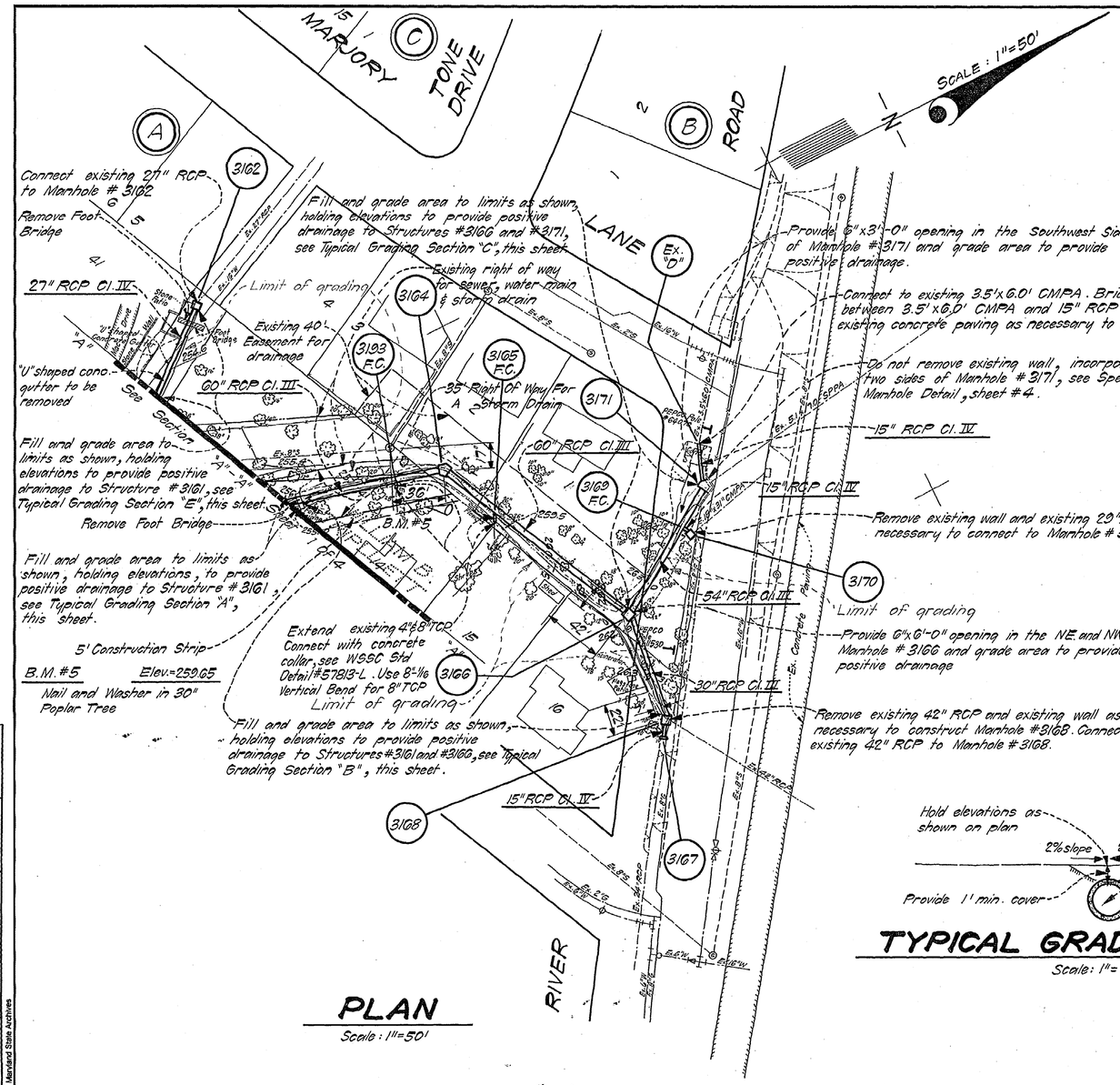
Invert and side slopes shall be ungrouted rip rap with 18" minimum thickness, 100 to 250 lbs. per stone and placed so as to produce rough surface.

SCALE: 1"=50

TYPICAL UNGROUTED RIP RAP SECTION

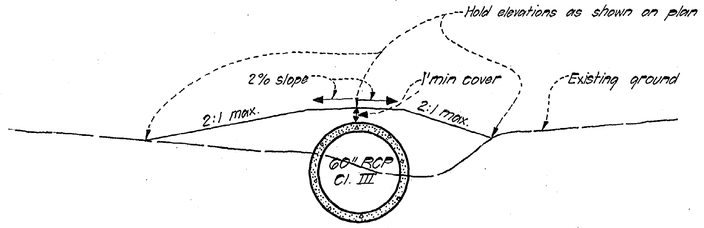
Scale: 1"=5'-0"


B.M. #1
Nail and Washer in 20" Oak
Elev.= 221.42
B.M. #2
Nail and Washer in 18" Beech
Elev.= 241.14
B.M. #3
Nail and Washer in 48" Poplar
Elev.= 247.62
B.M. # 4
Nail And Washer in PEPCO Pole # G21856
Elev.= 255.19
ABRAHAM M. MORRISON, et ux
MARTHA F. REISS & ELSIE E. MARKS
WYNKOOP
BOULEVARD
WINSTON
REDWING
COURT
DRIVE
Fill and grade area as necessary to provide positive drainage to existing stream.
5' WSSC Std. Concrete Paving, see detail, sheet #3
6' Construction Strips
5' Construction Strips
Limit of grading
24" RCP Cl. III
Fill existing ditch to assure positive drainage to structure #3158, holding invert elevations as shown, see Typical Grading Section "D", sheet 2.
Future Paving
Ex. 10"S
Ex. 16"W
Ex. 12"W
Ex. 8"W
Ex. 8"S
Ex. 12"S
Ex. 6"W
Ex. 6"S
Ex. 6"G
Ex. 8"G
Ex. 12"G
Ex. 10"G
Ex. 18"W
Ex. 18"S
Ex. 48" Conc. S. Drain
Ex. 42" CMP
Ex. 36" CMP
Ex. 24" CMP
Ex. 18" CMP
Ex. 15" CMP
Ex. 10" CMP
Ex. 8" CMP
Ex. 6" CMP
Ex. 4" CMP
Ex. 2" CMP
Ex. 1" CMP
Ex. 48" Conc. S. Drain
Ex. 42" Conc. S. Drain
Ex. 36" Conc. S. Drain
Ex. 24" Conc. S. Drain
Ex. 18" Conc. S. Drain
Ex. 15" Conc. S. Drain
Ex. 10" Conc. S. Drain
Ex. 8" Conc. S. Drain
Ex. 6" Conc. S. Drain
Ex. 4" Conc. S. Drain
Ex. 2" Conc. S. Drain
Ex. 1" Conc. S. Drain



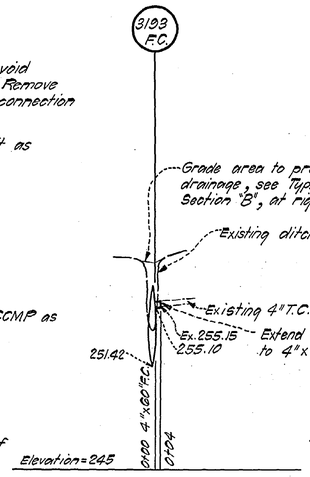
PLAN

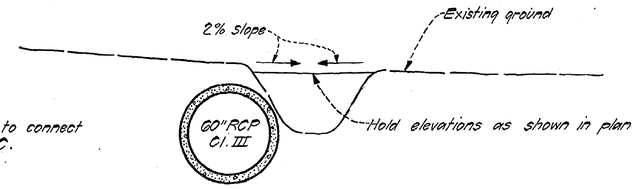
Scale : 1"=50'



TYPICAL GRADING SECTION "A"

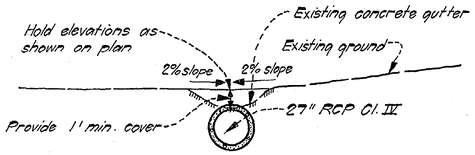
Scale : 1"=5'-0"





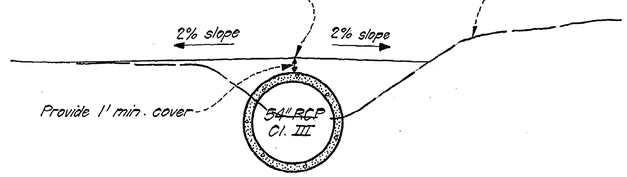
TYPICAL GRADING SECTION "B"

Scale : 1" = 5'-0"



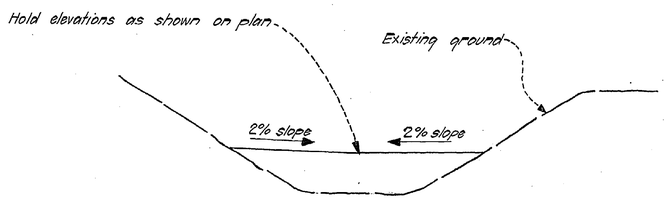
TYPICAL GRADING SECTION "E"

Scale: 1"= 5'-0"



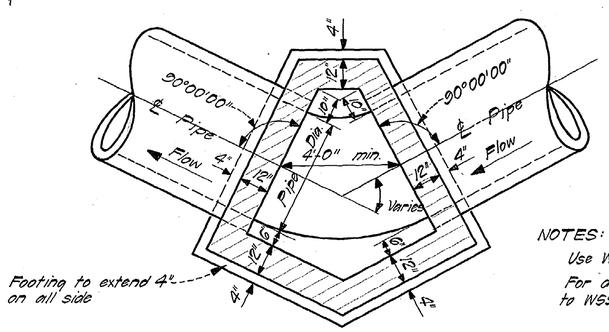
TYPICAL GRADING SECTION "C"

Scale : 1"= 5'-0"



TYPICAL GRADING SECTION "D"

Scale : 1"= 5'-0"



NOTES:

Use WSSC Class "A" Concrete.

For details not shown refer to WSSC Standard B Manhole.

MODIFIED "B"-MANHOLE

No Scale

CHECKED

EXAMINED

WASHINGTON SUBURBAN SANITARY COMMISSION

APPROVED November 27, 1962 (DATE)

Robert J. McFarland (CHIEF ENGINEER)

STORM DRAINS | AUTHOR. | 5-16-62 | JOB NO. | 62DW5783

SUPERVISION FOR MAIN LINES ONLY NOT 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 0256-DW

GLEN ECHO DISTRICT

STORM DRAINS

WYNKOOP BOULEVARD

COUNTRY CLUB VILLAGE

DRAWING NO. 2 OF 4

SCALE As Shown

208NWG | 62143 | Y | 16NW12-2

Nº 0256-DW

CE487-227-2

SD FILE NO. 228

Maryland State Archives

Provide 6'x6'-0" openings in the North and South Sides of Manhole # 3161 and grade area to provide positive drainage. Invert of openings = 253.43.

Do not remove existing wall, incorporate it as two sides of Manhole # 3171, see Special Manhole Detail, sheet 4.

Provide 6"x6'-0" opening in NE and NW Side of Manhole # 3166 and grade area to provide positive drainage. Invert of opening = 261.83.

3160 3161 3163 3193 F.C. 3164 3165 F.C. 3166 3169 F.C. 3171

℄ WESTON DRIVE

℄ Existing RIVER ROAD

Existing 8" W to be relocated; see relocation detail, sheet #4

Existing ground over pipe

2:1 slope

Top slab elev. = 251.53

8" W Field Top = 250.76

8"W 2'6"

60" RCP Cl. III @1.61%

60" RCP Cl. III @1.11%

60" RCP Cl. III @3.47%

60" RCP Cl. III @1.10%

60" RCP Cl. III @1.54%

54" RCP Cl. III @3.73%

2:1 slopes

Provide 1' min. cover

Top of existing Left Bank

Top of existing Right Bank

Provide 1' min cover

Provide 1' min cover

Ex. 5.1' x 7.0' SPPA @2.50%

Provide 6"x3'-0" opening in the Southwest Side of Manhole #3171 and grade area to provide positive drainage, Invert of opening = 266.63. Provide Lintel 4"x4"x1/4" ∠ above slot.

Drill 1"ϕ holes, 9" deep in existing wall and install # 4 dowels 2'-9" long @12"o.c. with grout into existing wall.

Chip out that portion of existing footing which obstructs the construction of WSSC Std. Brick Lined Channelization.

Ex. 262.10

259.92

258.80

256.30

254.33

252.82

252.25

251.42

252.00

249.19

248.94

248.07

247.27

244.98

244.17

244.07

10"S

8"S

Existing sewer encasement

Invert of existing stream

4'x6' F.C. 11.5

1+45 0+00 0+42 8'x6' F.C. 1+55 0+00 0+67 15"x54" F.C. 0+97

Elevation = 245

Elevation = 240

Elevation = 235

0+00 0+73 Grade Break 1+39 0+00

See continuation, this sheet

15" RCP Cl. III Stub Up @ 15%, Inv. = 248.35

3169 F.C. 3170 ℄ RIVER ROAD

Existing ground over pipe

2:1 slope

Proposed fill over pipe

15" RCP Cl. III @15.00%

Ex. 20"x18" ACCMP @ 3.85%

Ex. 262.90

261.80

261.20

258.80

Remove existing 20"x18" ACCMP and existing wall as necessary to connect to Manhole # 3170

Elevation = 250

0+00 15"x54" F.C. 0+04

3165 F.C.

Existing ground over pipe

Prosposed grade

8" TCP

Ex. 8" TCP

Connect to existing 8" TCP with 8"-1/16 Bend.

Ex. 257.7

256.20

252.82

Elevation = 245

0+00 8'x60" F.C. 0+06

WYNKOOP BLVD.

Established Grade on Center Line
Approved M. N. C. P. & P. Commission
3-24-58

3160 3159 F.C. 3157

Grade area up from slab at 2:1 slope to meet existing ground.

Top slab elev. = 251.53

15" RCP Cl. III Stub Up @ 15% Inv. = 248.35

60" RCP Cl. III @1.11%

See continuation, this sheet.

℄ of approved grade

Existing ground over pipe

Top slab elev. = 241.35

60" RCP Cl. III @1.61%

244.17

244.07

10"S

239.09

8"S

234.53

231.72

15"x60" F.C. 2+83 5+92

Elevation = 230

Elevation = 225

3158 3157 WYNKOOP BLVD.

℄ WYNKOOP BLVD.

2% min. slope

Proposed grading Wynkoop Boulevard

Existing ground over pipe

2:1 slope over pipe

Top slab elev. = 241.35

24" RCP Cl. III @1.42%

16"W Field Top = 236.77

237.70

236.90

18"W

8"S

Fill with washed gravel under pipe and wall as directed by the Engineer.

Elev. = 225

0+56 0+00

Fill existing ditch, see Typical Grading Section "B", sheet 2.

3156

2:1 slope

54" RCP Cl. III @3.47%

Top of existing Right Bank

Top of existing Left Bank

220.71

0.50%

220.94

220.68

16"W Field Top = 219.71

45'

45' ungrouted rip rap, see detail, sheet 1.

5'

5' WSSC Std. Concrete Paving, see detail, this sheet.

10"S

Elevation = 215

3+11 0+00 Elevation = 220

Elevation = 205

0+00 0+05 0+50 0+00

PROFILES

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

WSSC Std. Concrete Paving, 6" thick

6"x6" #4 welded wire fabric throughout slab

2'-6" Ex. 16"W 2'-6"

℄

220.68

220.71

18" min.

0.50%

2'-0"

3" 9" 16"W 9" 3"

Field Top = 219.17

Invert and side slopes shall be ungrouted rip rap with 18" min. thickness, 100 to 250 lbs. per stone, and placed so as to provide rough surface.

NOTE:
Use WSSC Std. Class "B" Concrete.

CONCRETE PAVING DETAIL OVER EX. 16" WATER

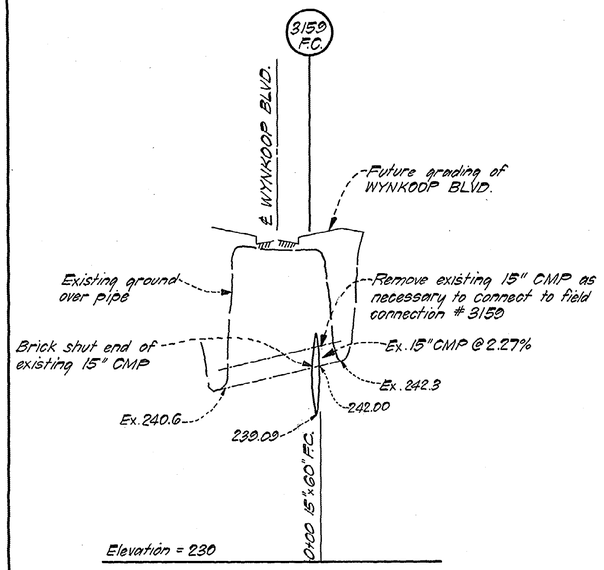
Scale: 3/8" = 1'-0"

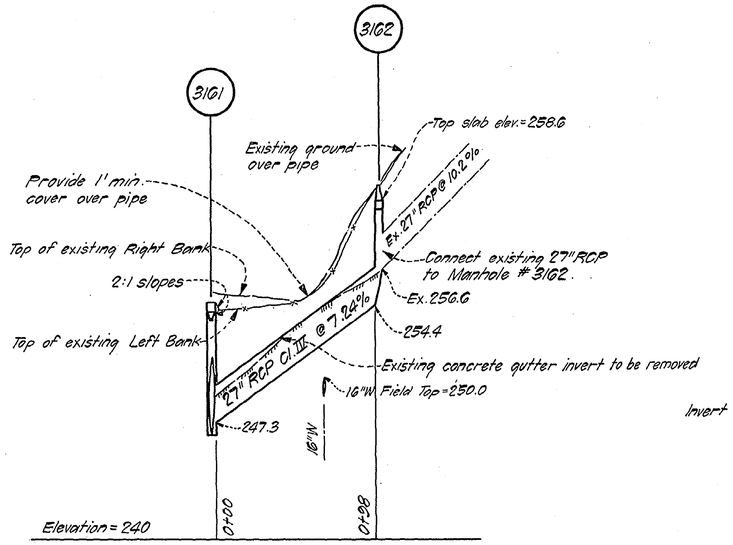
Maryland State Archives

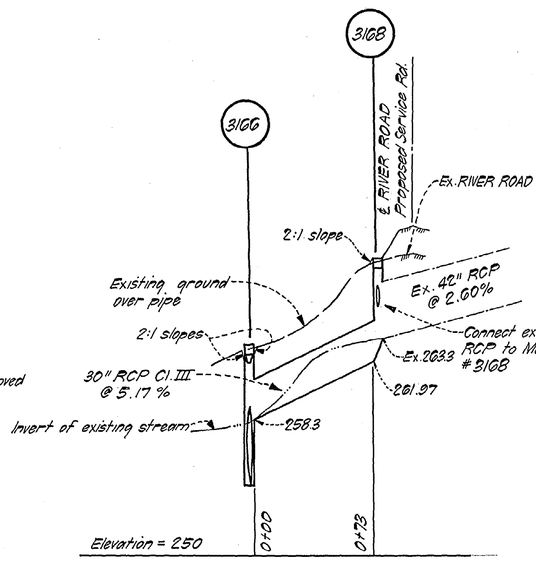
WASHINGTON SUBURBAN SANITARY COMMISSION	APPROVED November 27, 1962 (DATE) Chief Engineer	STORM DRAINS: AUTHOR. 5-16-62; JOB NO. 62.DW 5793	SUPERVISION FOR MAIN LINES ONLY NOT REQUIRED BY DEPT. OF STATE FORESTS & PARKS BALTIMORE, MD.	EXAMINED FOR: WATER & SEWER; R/W REQ'D.; OTHER UTILITIES	GREENHORNE & O'MARA ENGINEERS 6715 KENILWORTH AVENUE RIVERDALE, MARYLAND	CONTRACT No. 0256-DWX	GLEN ECHO DISTRICT **STORM DRAINS** WYNKOOP BOULEVARD COUNTRY CLUB VILLAGE	DRAWING NO. 3 OF 4; SCALE As Shown	No. 0256-DW; 621444 Y

CE487-227-3

SD FILE NO. 228

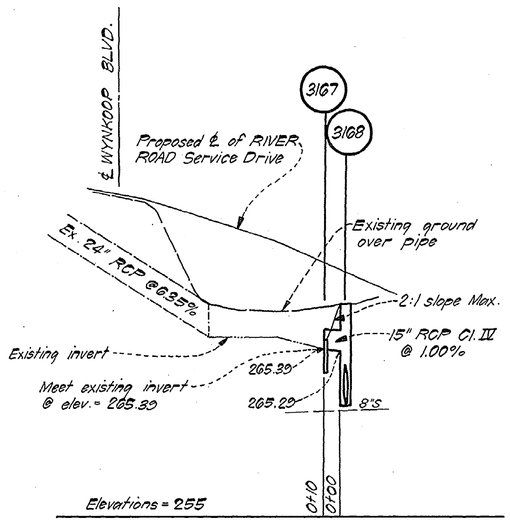


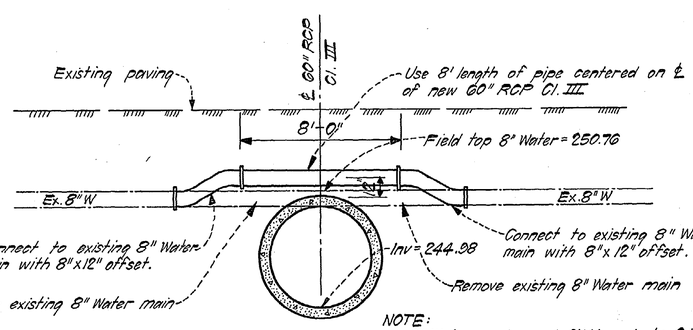




PROFILES

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

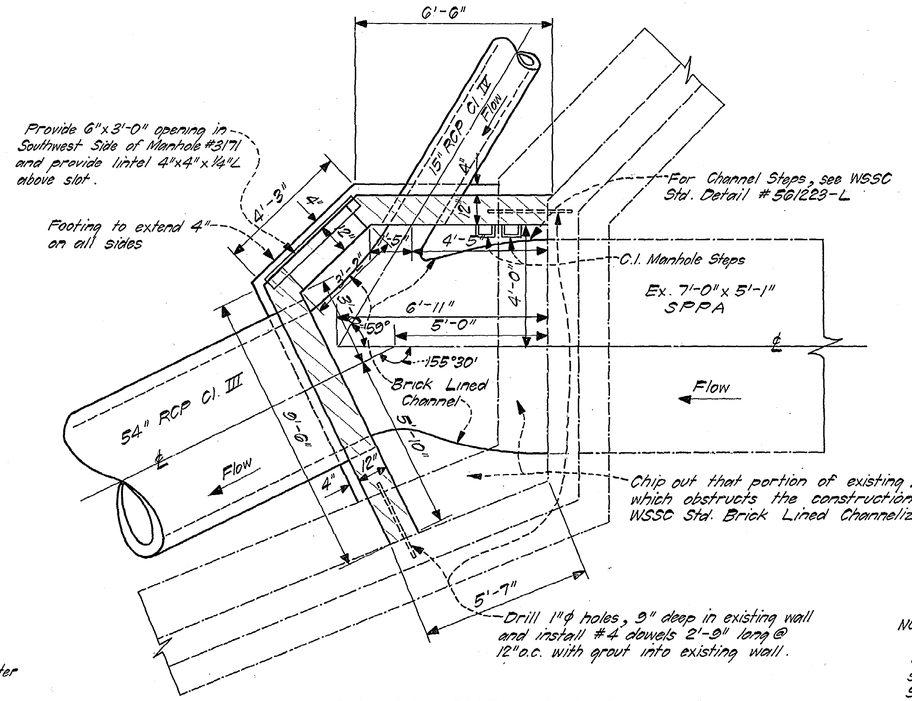




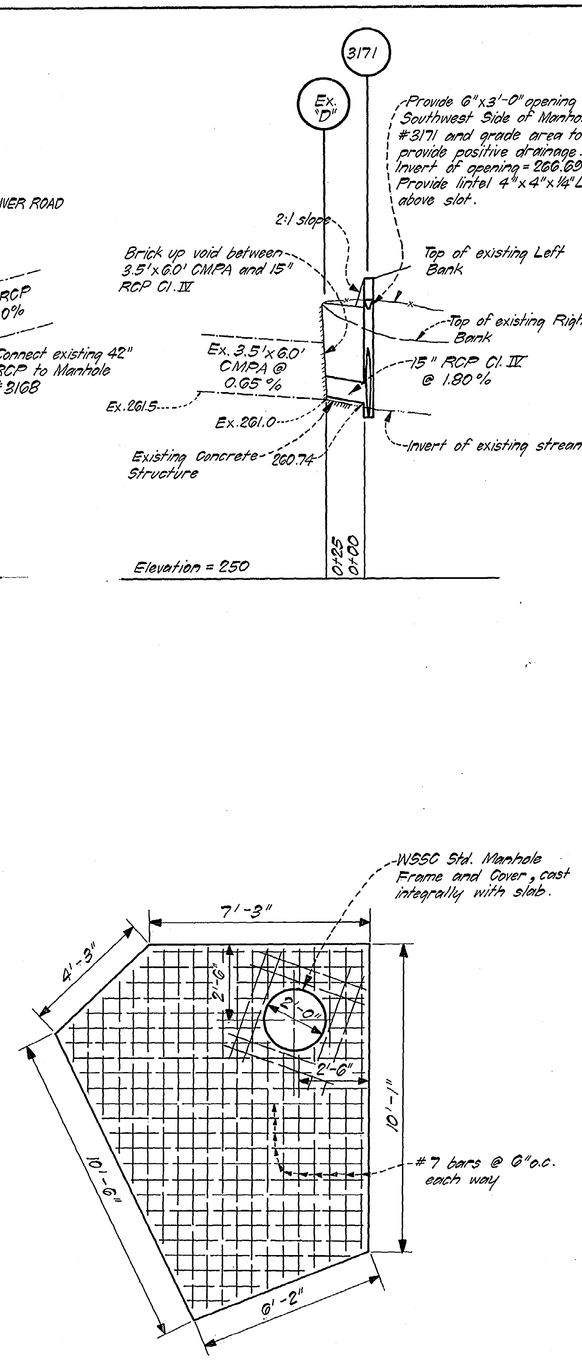
NOTE:
8" Water main and fittings to be C.I., Class 22

DETAIL OF 8" WATER MAIN RELOCATION

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



PLAN BELOW SLAB



SLAB

NOTE:
Use WSSC Std. Class "A" Concrete, for details not shown refer to WSSC Std. "B" Manhole.

SPECIAL MANHOLE # 3171

Scale: 3/8" = 1'-0"

WASHINGTON SUBURBAN SANITARY COMMISSION	APPROVED November 27, 1962 DATE — CHIEF ENGINEER	STORM DRAINS AUTHOR. 5-16-62 JOB NO. 62 OW 5798	SUPERVISION FOR MAIN LINES ONLY NOT 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 025G-DWX	GLEN ECHO DISTRICT STORM DRAINS WYNKOOP BOULEVARD COUNTRY CLUB VILLAGE	DRAWING NO. 4 OF 4	SCALE As Shown	Nº 025G-DW 621445 Y

CE 487-227-4

SD FILE NO. 228

Maryland State Archives