BENCH MARKS

B.M. #1 — ELEV.= 283.46
Nail and Washer in PEPCO Pole # 75384

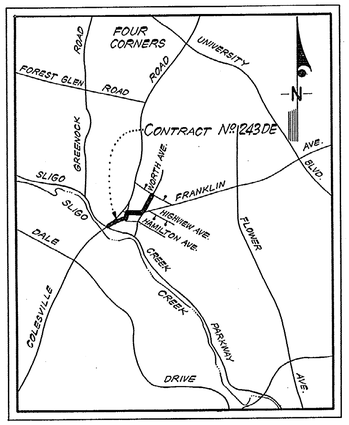
B.M. #2 — ELEV.= 270.61
Nail and Washer in PEPCO Pole # 75380

B.M. #3 — ELEV.= 261.00
Nail and Washer in 26" Sycamore.

B.M. #4 — ELEV.= 264.73
R.R. Spike at intersection of Franklin Ave. and Ellsworth Drive.

B.M. #5 — ELEV.= 250.81
Nail and Washer in PEPCO Pole # 74735

B.M. #6 — ELEV.= 231.86
Square cut in top of rock.



VICINITY MAP
Scale: 1"=2000'

CURVE DATA				
CURVE Nº	RADIUS	Δ	TAN	ARC
1	265'	26°30'00"	62.40'	122.57'

REVISIONS APPROVED: 4/5/62
Richard J. McFerrand
CHIEF ENGINEER

Inlet 3036 Relocated

Scale: 1"=50'

Remove only the broken portion of the East Side of existing stone as necessary to construct Manhole # 3014. Do not remove entire stone.

Provide 6"x5'-0" opening in West Side of Manhole # 3013 and grade area to provide positive drainage.

Remove existing 30" TCP as necessary to connect to Manhole # 3013

Remove and replace guard posts, as necessary

Provide 6"x4'-0" opening in Northeast Side of Manhole #3014 and grade area to provide positive drainage.

Remove existing 36" CMP as necessary to construct Manhole #3015, and to construct new 33" RCP Cl. III

Provide 6"x4'-0" opening in North Side of Manhole #3015 and grade area to provide positive drainage.

Remove existing inlet, macadam paving and curb. Construct new bituminous curb on each side of inlet # 3021 to meet existing curb, as shown.

Remove existing 24" CMP as necessary to connect to Inlet #3021

Remove and replace in kind existing macadam curb as necessary to lay new 27" RCP Cl. III

Paving replacement, refer to S.R.C. Std. IL-20, 6-17-55

Fill and grade area to limits as shown, holding elevations at ℄ swale to assure positive drainage to Structure # 3014, see Typical Grading Section, sheet 3.

Construct berm for 85', see Typical Grading Section, sheet 3.

Remove existing 10" T.C. pipe as necessary to construct Inlet #3016 and Manhole #3015 and new 15" RCP Cl. IV.

Remove existing 36" CMP

Connect to existing 6" CMP with concrete collar, see detail, sheet 3.

Do not remove existing wall at Manhole #3013, incorporate it as one side of new Manhole, see Special Manhole Detail, Sheet #4.

Lower existing 6" WM lead, see detail, sheet 2.

Lower existing 6" PH lead, see detail, sheet 2.

Paving replacement; refer to S.R.C. Std. IL-20 6-17-55, see detail, sheet 3.

Resurface area around fillet to limits shown, to assure positive drainage across intersection, or as directed by the Engineer.

Guy Poles to be relocated by others

Paving replacements

Guy Poles to be relocated by others

Do not disturb fence

NOTE:
Inlet elevations are upgrade and downgrade ends of slab.
Upgrade 260.0 / 260.0 Downgrade

STRUCTURE SCHEDULE			
Nº	TYPE	TOP ELEV.	REMARKS
3013	Special Manhole	232.4	W.S.S.C. Std. See Detail Sht #4, 6"x5'-0" Opening in West Side *
3014	"B" Manhole	234.5	" " 48" Square, 6"x4'-0" Opening in Northeast Side *
3015	"B" Manhole	249.0	" " 48" Square, 6"x4'-0" Opening in North Side
3016	"S" Inlet	——	S.R.C. Standard, Grate #
3017	"B" Manhole	251.3	W.S.S.C. Std. 48" Square *
3018	Cut-Off Wall - 15"	——	" " #50/225-L
3019	"A" Manhole	——	" " 48" Diameter
3020	"A" Manhole	——	" " "
3021	B-10 Inlet	260.0 260.0	" " W= 8'-0"
3022	"B" Manhole	——	" " 48" Square *
3023	A-20 Inlet	——	" " W= 2'-6"
3024	15"x27" Field Connection	——	" "
3025	B-10 Inlet	——	" " W= 2'-6"
3026	"B" Manhole	——	" " 48" Square
3027	A-5 Inlet	——	" " W= 2'-6"
3028	B-15 Inlet	——	" " W= 2'-6"
3029	"B" Manhole	——	" " 48" Square
3030	B-15 Inlet	——	" " W= 2'-6"
3031	"B" Manhole	——	" " 48" Square *
3032	"S"- Combination Inlet	——	S.R.C. Standard #
3033	A-10 Inlet	——	W.S.S.C. Std. W= 2'-6"
3034	"B" Manhole	——	" " 48" Square *
3035	B-20 Inlet	——	" " W= 2'-6"
3036	B-20 Inlet	——	" " W= 2'-6"

* Frame and cover to be cast integrally with slab.

All materials for the construction of SRC "S" Combination Inlets to be furnished by the Contractor.

12. All inlet tops to match existing top of curb, WSSC Inlets to be depressed as necessary to provide 6" minimum clearance @ flow line, as shown in detail.

NOTE:
Notify utility companies 48 hours in advance of construction.
C. & P. Tel. Co. - Call JU8-9977
Gas Co — Call ST 3-5225, Ext. 8007
PEPCO — Call NA 8-8800

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 as noted.
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. Fill shall be provided in the existing stream to be to the limits shown on the plan according to the Typical Grading Section on sheet 3 and shall be placed in such a manner so as to provide positive drainage.
8. 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 drains.
9. Maximum length of pipe laid on curves shall be 8'.
10. The openings in the manholes, as called for on the plans, shall be W.S.S.C. Std. "D" inlet type openings located immediately under the slab or as shown.
11. Paving in front of inlets to be removed for a width of 3' beyond gutter slab and replaced to provide transition from existing paving to inlet gutter section.

REVISIONS	
DATE	DESCRIPTION
4/5/62	Inlet 3036 relocated

For Sheet 4, see 62/426-Y

CHECKED: CMD
EXAMINED: S

WASHINGTON SUBURBAN SANITARY COMMISSION

APPROVED Nov. 20, 1962
Richard J. McFerrand
CHIEF ENGINEER

STORM DRAINS	
AUTHOR.	
2-20-62	
JOB NO.	
62 DE 5588	

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

EXAMINED FOR		
WATER & SEWER	CAH	11/1/62
No. R/W REQ'D.	[illegible]	11/1/62
OTHER UTILITIES	[illegible]	11/21/62

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

CONTRACT Nº 243-DE

FOUR CORNERS DISTRICT
STORM DRAINS
WORTH AVENUE & ELLSWORTH DRIVE
SEVEN OAKS

DRAWING NO. 1 OF 4

SCALE 1"=50'

211NW1
62308
Y
22NW1-1,3

Nº 243-DE

SD FILE NO. 221

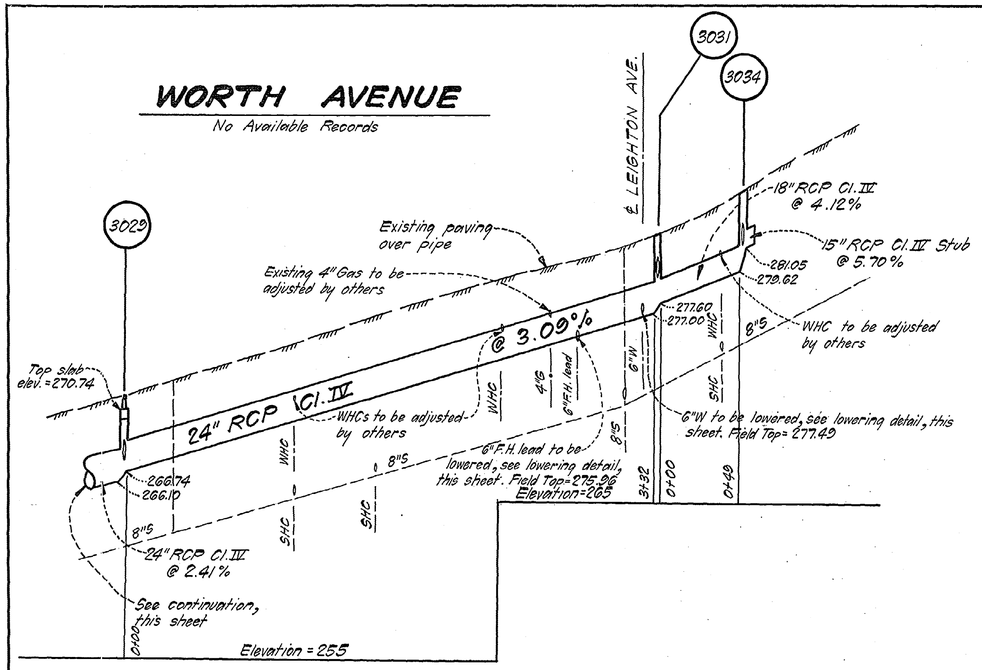
CE 487-220-1

RELEASED 11-20-62

Maryland State Archives

WORTH AVENUE

No Available Records



3035 3034 3036 ℄ WORTH AVENUE

REVISIONS APPROVED: 7/5/63
DATE
CHIEF ENGINEER

Inlet 3036 relocated

Existing ground over pipe
15" RCP Cl. III @ 4.00%
15" RCP Cl. III @ 3.90%
Existing 2" Gas to be adjusted by others
281.47
281.35
281.15
3' W.S.S.C. Std. Low Cradle
Break cradle 9" each side of existing 6"W
7' W.S.S.C. Std. Low Cradle
Elevation = 270
0+00
0+65
0+27
0+03

3027 3026 3028 ℄ WORTH AVE.

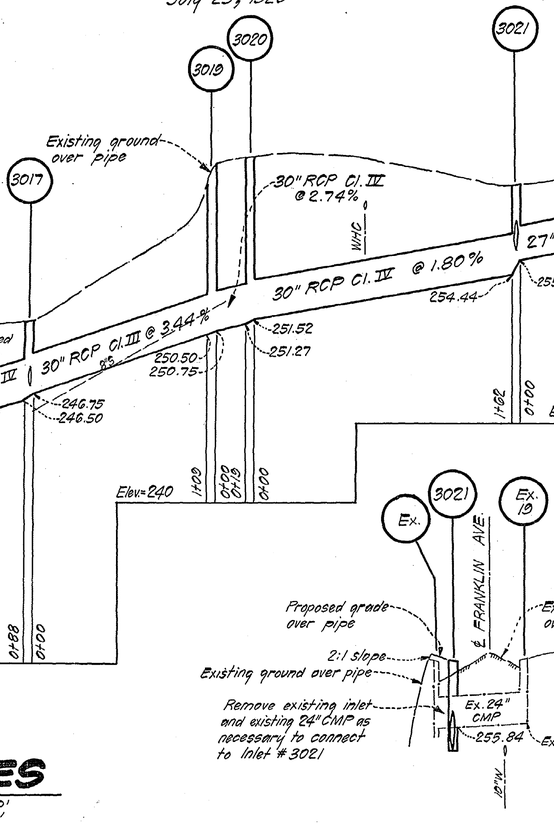
Existing ground over pipe
Top slab elev. = 265.25
15" RCP Cl. IV @ 2.50%
15" RCP Cl. III @ 2.25%
262.88
261.35
261.25
261.95
Field Top = 261.55
Stop cradle 9" from left side of existing 6"W
8" W.S.S.C. Std. Low Cradle
Elevation = 250
0+00
0+00
0+40
0+04

WORTH AVENUE

No Available Records

FRANKLIN AVENUE

Established Grade on Center Line
Approved M. N. C. P. & P. Commission
July 25, 1928

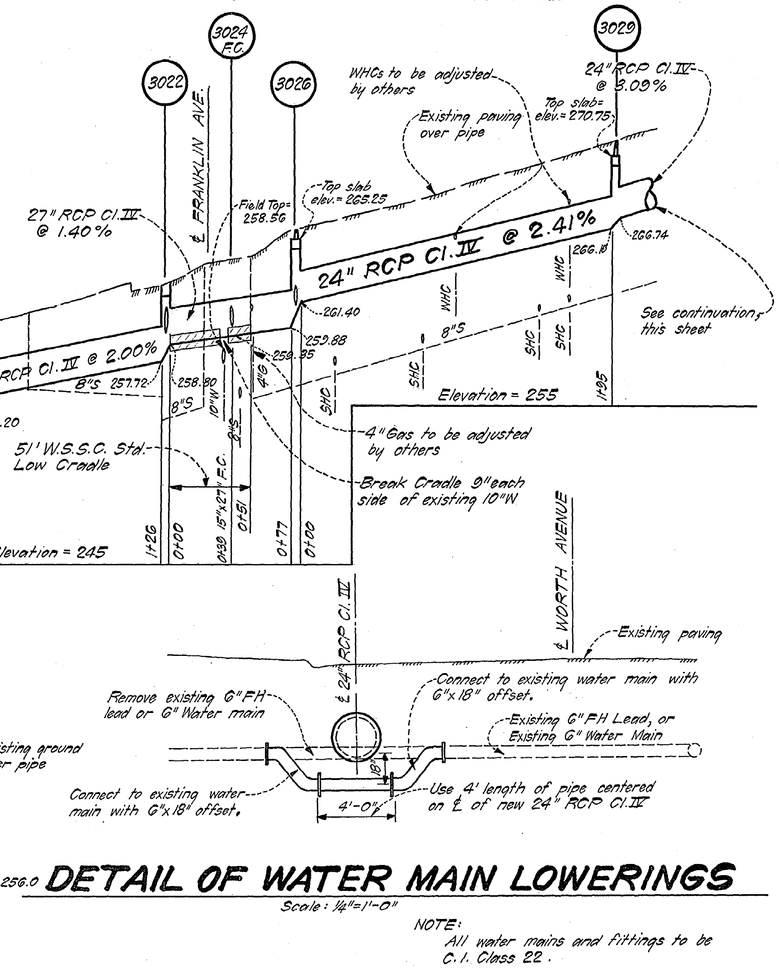


ELLSWORTH DRIVE

No Available Records

PROFILES

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



DETAIL OF WATER MAIN LOWERINGS

Scale: 1/2" = 1'-0"

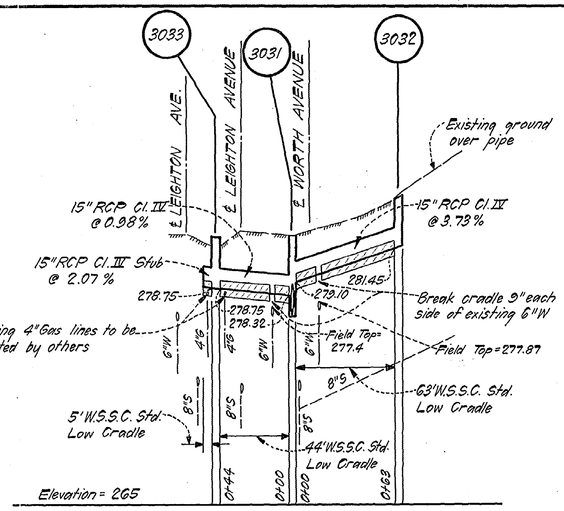
NOTE:
All water mains and fittings to be C.I. Class 22.

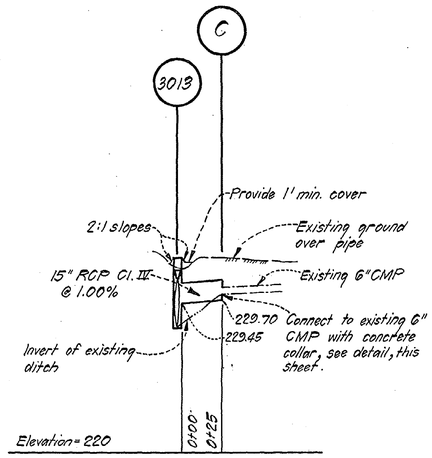
WASHINGTON SUBURBAN SANITARY COMMISSION	APPROVED Nov. 20, 1962 DATE — CHIEF ENGINEER	STORM DRAINS AUTHOR. 2-20-62 JOB NO. 62 DE 5588	SUPERVISION FOR MAIN LINES ONLY REQUIRED BY DEPT. OF STATE FORESTS & PARKS BALTIMORE, MD.	EXAMINED FOR WATER & SEWER / R/W REQ'D. / OTHER UTILITIES	GREENHORNE & O'MARA ENGINEERS 6715 KENILWORTH AVENUE RIVERDALE, MARYLAND	CONTRACT No. 243-DE	FOUR CORNERS DISTRICT STORM DRAINS WORTH AVENUE & ELLSWORTH DRIVE SEVEN OAKS	DRAWING NO. 2 OF 4 — SCALE Hor. 1"=50' Ver. 1"=5' — No. 243-DE — 62303 — Y

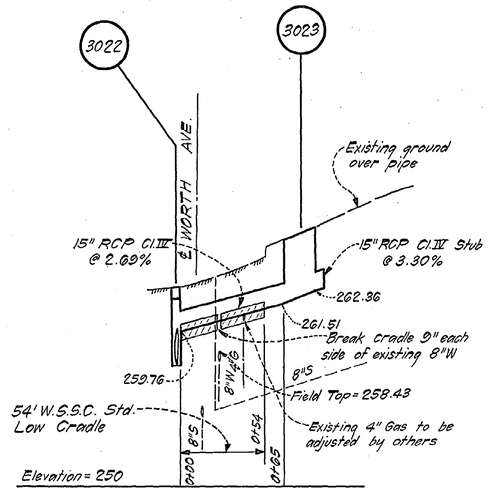
CE407-220-2

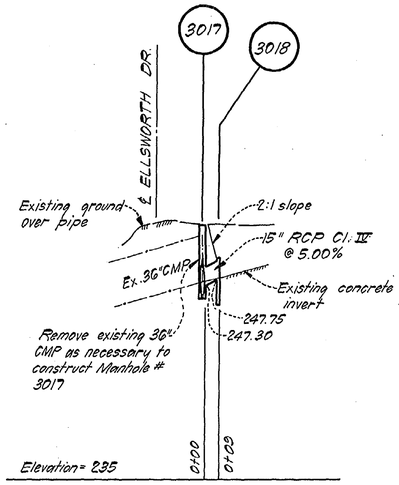
SD FILE NO. 221

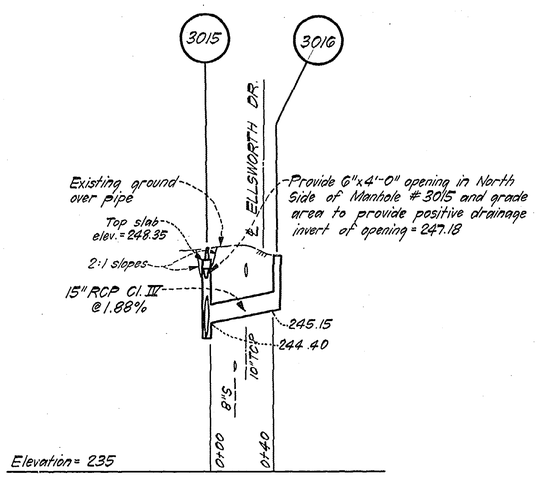
Maryland State Archives

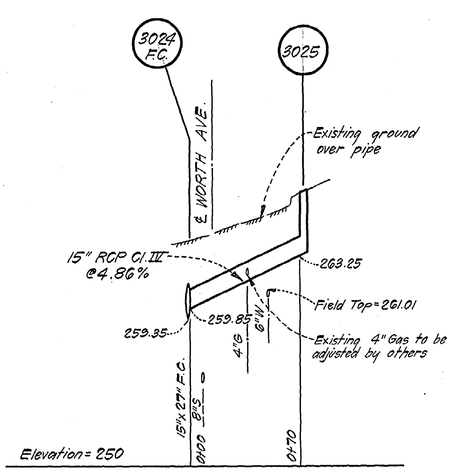


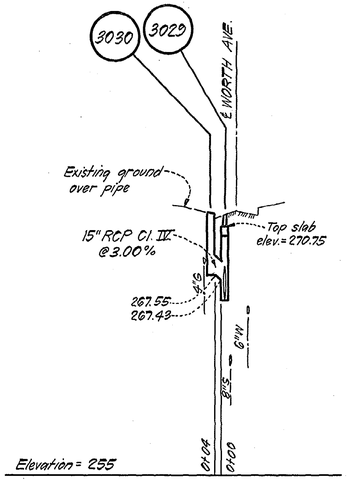






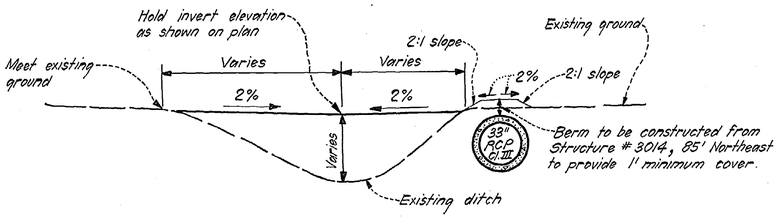






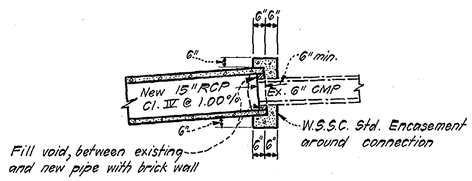
PROFILES

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



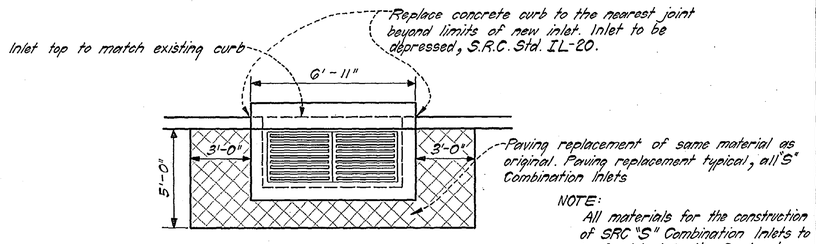
TYPICAL GRADING SECTION

Scale: 1" = 5'-0"



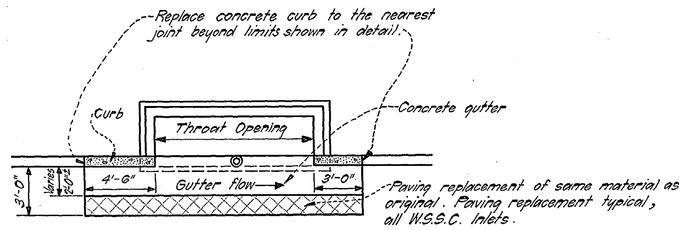
CONCRETE COLLAR DETAIL

No Scale



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

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



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

Scale: 1/2" = 1'-0"

CHECKED							
EXAMINED							
WASHINGTON SUBURBAN SANITARY COMMISSION	APPROVED Nov. 20, 1962 (DATE) Chief Engineer	STORM DRAINS AUTHOR. 2-20-62 JOB NO. 62DE5588	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. 243-DE	FOUR CORNERS DISTRICT STORM DRAINS WORTH AVENUE & ELLSWORTH DRIVE SEVEN OAKS

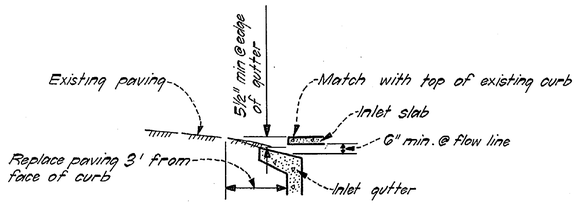
DRAWING	SCALE	
NO. 3	As Shown	GE310
OF 4		Y

No. 243-DE

CE 487-220 -3

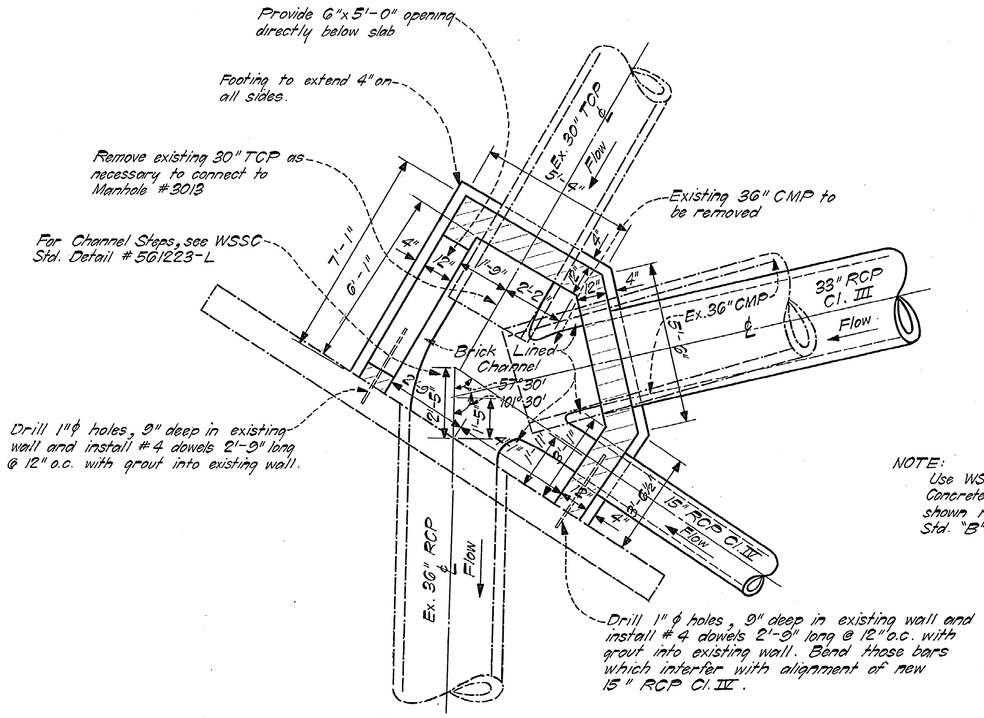
SD FILE NO. 221

Maryland State Archives



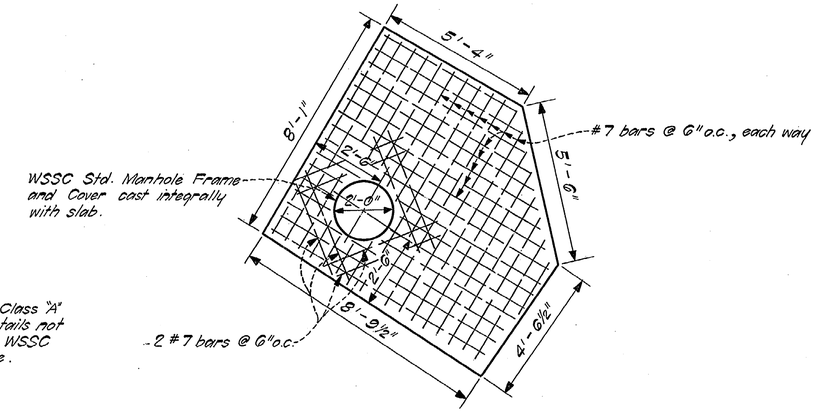
VERTICAL LOCATION
W.S.S.C. STANDARD INLETS

No Scale



PLAN BELOW SLAB

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



SLAB

SPECIAL MANHOLE #3013

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

For sheet 1, see 62308 Y

WASHINGTON SUBURBAN SANITARY COMMISSION	APPROVED Nov. 20, 1962 (DATE) Richard J. McFord, CHIEF ENGINEER	STORM DRAINS AUTHOR. 2-20-62 JOB NO. 62DE5588	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 243-DE	FOUR CORNERS DISTRICT STORM DRAINS WORTH AVENUE & ELLSWORTH DRIVE SEVEN OAKS	DRAWING NO. 4 OF 4	SCALE As Shown	Nº 243-DE 621420 Y

CE 487-220 -4

SD FILE NO. 221