PIPE SCHEDULE

SIZE	TYPE	LENGTH
15"	RCCP.	1286'
18"	"	327'
21"	"	419'
24"	RCCPX	2491'
27"	"	47'
30"	"	32'
33"	"	494'
36"	"	5181'
42"	RCCP.	636'
48"	"	180'
54"	"	79'
54"	RCCPX	336'
60"	"	267'
3"	T.C.P.	75'
6"	C.S.P.X.	300'
8"	"	60'
24"	C.M.P.	17'
6'	C.I.P.C.C.	20'
12"	RCCP.	38'

STRUCTURE SCHEDULE

№	TYPE	TOP ELEV	REMARKS
7	54" Endwall w/Gate.		WSSC. Std.
8	A-20 Inlet	366.2	" " W.=2'-6"
9	Modified "B" MH.	367.3	See details sheet № 2
10	"S" Combination Inlet	370.7	Md. S.R.C. Std. Double grate
11	" " "	376.0	" " " "
22	Type "E" Inlet	382.67	W.S.S.C. Std.
15	"B" Manhole	377.6	WSSC. Std. 72" Sq.
16	B-20 Inlet	376.1	" " W.=2'-6"
18	"B" Manhole	378.6	" " 48" Sq.
19	" "	382.0	" " " "
21	" "	382.7	" " " "
23	" "	384.4	" " " "
30	" "	382.3	" " 72" Sq.
32	B-20 Inlet	378.5	" " W.=2'-6"
34	"B" Manhole	382.8	" " 60" Sq.
35	"S" Combination Inlet	383.3	Md. S.R.C. Std. Double Grate.
38	Future Inlets		
40	Future Inlets		
43	"S" Combination Inlet	383.3	Md. S.R.C. Std. Double Grate
44	"B" Manhole	384.8	WSSC. Std. 54" Sq.
45	42"x15" Field Conn.	—	" "
46	"S" Combination Inlet	386.0	Md. S.R.C. Std. Double Grate
47	"B" Manhole	385.7	WSSC. Std. 54" Sq.
54	Type "E" Inlet	384.0	WSSC. Std.

STRUCTURE SCHEDULE

№	TYPE	TOP ELEV	REMARKS
48	"S" Combination Inlet	386.0	Md. S.R.C. Std. Double Grate
49	39"x15" Field Conn.	—	WSSC. Std.
50	"S" Combination Inlet	386.0	Md. S.R.C. Std. Double Grate
51	" " "	386.0	" " " " " "
52	"B" Manhole	385.7	WSSC. Std. 48" Sq.
53	"S" Combination Inlet	386.9	Md. S.R.C. Std. Double Grate
54	Standard "S" Inlet	387.5	" " " " " "
56	" " "	390.0	" " " " " "
58	" " "	391.9	" " " " " "
59	" " "	390.6	" " " " " "
60	" " "	392.9	" " " " " "
65	"S" Combination Inlet	391.5	" " " " " "
75	"B" Manhole W/Grate	381.0	WSSC. Std. 54" Sq.
77	" " "	386.0	" " " " " "
79	" " "	389.6	" " 48" Sq.
80	" " "	401.6	" " " " " "
85	Modified "B" MH.	387.0	See details, sheet № 2.
86	"C" Inlet	390.0	WSSC. Std.
70	Std. "S" Inlet	389.8	Md. S.R.C. Std. Double Grate
72	Std. "S" Inlet	389.5	" " " " " "
87	" " "	388.2	" " " " " "

* Cast Md. S.R.C. Std. "E" inlet frame & grate into manhole top slab. Depress 6".
* All Md. S.R.C. Std. inlets to be locally depressed as per Md. S.R.C. Std. C.I.L.-20 pg 4 of 7

WATER & SEWER NOTES:

1. All 4", 6" and 8" Sewers shall be C.S.P.X. or V.C.P.X.
2. All 12" and 8" Water mains shall be C.I. Class 22.
3. All 12" & 8" Water mains to have ~~insert Type "K"~~ mechanical joint valves.
4. All water house connections shall have valves.
5. All water mains to be laid with 3.5' minimum cover from proposed grade.
6. All structures to be W.S.S.C. Standard.
7. Construct manhole rims to proposed grade.
8. All construction to be in accordance with WSSC. Std. Details and specifications.
9. All water house connections to have meters.
10. Verify location and elevation of WSSC. Water and sewer extensions before constructing on-site facilities.
11. All sewer house connections not shown shall be 4".
12. Booster pumps shall be installed in the Tire Store & in E.J.K. Department store. Size & type of pump to be determined by WSSC.

BLOCKING:

Use concrete to block all fittings marked ©. See special blocking detail this sheet.
Use wood to block all other fittings. See WSSC. Std. Details 57806-L & 57808-L.
Do not block offsets.

8" PLUG

NOTE: Use class "B" Concrete.

SECTION "A-A"

SPECIAL BLOCKING DETAIL

BLOCKING SCHEDULE						
FITTINGS	STATION	A	B	C	D	E
8'-1/8 B	7+16	0'-5"	1'-6"	2'-0"	2'-3"	0'-8"
8"x6" FHT.	9+97	0'-7"	1'-0"	1'-6"	1'-2"	0'-8"

GENERAL NOTES

1. ALL STORM DRAINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE GENERAL SPECIFICATIONS OF THE WASHINGTON SUBURBAN SANITARY COMMISSION, ADOPTED SEPTEMBER 20, 1954.
2. TYPES OF STRUCTURES REFER TO THE WASHINGTON SUBURBAN SANITARY COMMISSION'S STANDARD STORM DRAINAGE DETAILS UNLESS OTHERWISE NOTED.
3. INFORMATION CONCERNING UNDERGROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS, BUT THE CONTRACTOR MUST DETERMINE THE EXACT LOCATION AND ELEVATION OF THE MAINS BY DIGGING TEST PITS BY HAND AT 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 THE STORM DRAIN SECTION OF THE WASHINGTON SUBURBAN SANITARY COMMISSION BEFORE PROCEEDING WITH CONSTRUCTION.
4. ALL STORM DRAINAGE CONSTRUCTION SHOWN ON THIS PLAN TO BE MAINTAINED BY OWNER, EXCEPT WITHIN S.R.C. PROPERTY WHERE MAINTENANCE WILL BE MADE BY MD S.R.C.

H.G. = 510 (6811-Y)
High = 59 psi
Low = 55 psi

TYPICAL PAVING SECTION
OLD GEORGETOWN ROAD
WIDENING
No Scale.

Note: No paving along Old Georgetown Road shall be done prior to construction of 10" Water.

Mod. S.R.C. Type "B" Concrete Comb. Curb & Gutter around perimeter of parking lot when abutting S.R. C. improvement.

Mod. S.R.C. Type "B" Concrete Combination Curb and Gutter.

11½" Bituminous Conc. Spec. "B" Surface Course P.C. 1-01.
2" Bituminous Conc. Spec. "B" Base Course Bond P-1.
Alternate of 9" Bituminous Concrete or 12" of Bank Run Gravel in 3-4" Layers.

Cut-36" new outfall ditch with 20' WSSC. Std. Concrete channel paving. Provide velocity check blocks as per details, Sheet № 2.

25' R/W Req'd.

Connect to 8" Conn. by WSSC.

Connect to 8" x 6" Cr by WSSC.

Existing Concrete Paving

Finished Grade

Meter Vault and 8" Conn by WSSC.

Hold S.H.C.'s up @ 2.00% from 6" Sewer main for a minimum length of 15'.

Hold S.H.C.'s up @ 2.00% from 6" Sewer main for a minimum length of 80'.

Hold S.H.C.'s up @ 2.00% from 21" Sewer main for a minimum length of 19'.

Strap F.H. to main
See Std. detail 601226-L

Extend existing 36" RCP with 36" RCPX main, varying grades & alignment.

Pole to be relocated as necessary.

Pole to be relocated.

Pole to be relocated.

Existing Paving

Proposed Pavement

Existing Pavement

Double Expansion Shield for ½" Bolt.

Min. Length 3" Diam. of Drilled Hole 1 15/16"

NOTE: Tie Device to be spaced 4'-0" ℄ along existing edge of existing pavement.

LONGITUDINAL TIE DEVICE
No Scale

FOOD STORE
UNIT "B"
FINISH FLOOR ELEV. = 383.67

FURNITURE STORE
UNIT "C"
FINISH FLOOR ELEV. = 385.67

E. J. K. DEPARTMENT STORE
UNIT "A"
FINISH FIRST FLOOR ELEV. = 386.33

GARDEN MART
FINISH FLOOR ELEV. = 389.33

TIRE STORE
UNIT "E"
F.F. = 394.0

FUTURE BUILDING

OLD GEORGETOWN ROAD

GEORGETOWN PIKE

ROCKVILLE PIKE

MONTROSE ROAD

Ex. 8"S.

Ex. 12"W.

Ex. 16"W.

Ex. 15"W.

Ex. 24" CMP

Ex. 3'x5' Box Culvert

Ex. Ditch

Ex. Paving

Ex. Concrete Paving

Ex. Gutter

Ex. Curb

Pole

Inlet

Slope Varies

Parking lot pav.

Mod. S.R.C. Type "B" Conc. Comb. Curb & Gutter around perimeter of parking lot.

Existing Conc. Paving

6" Mod. S.R.C. Type 2 Subbase

9" Reinforced Conc. Paving

PLAN
SCALE 1" = 60'

TYPICAL PAVING SECTION
MONTROSE ROAD WIDENING
No Scale.

Drill holes in ex. paving & insert #6 dowel bars @ 12" c.c. See Tie Device Detail, this sheet.

To be abandoned.

Existing Inlet

Help new paving extension & hold top of curb elevation as shown to create low point at new inlet.

T.C. 1930

Extend ex. 24" CMP in kind maintaining grade and alignment to new curb inlet.

Stakes out line

Ex. 24" Conn.

Ex. 8"S.

Ex. 15"W.

Pole to be relocated. R = 800.00

Proposed Pavement

Existing Pavement

Match Half of Std. No. 5 Tie Bars

9" Reinforced Conc. Paving

See Std. Plate No. 5

Slope varies

Mod. S.R.C. Type "B" Concrete Combination Curb and Gutter.

NOTE: Curb & gutter around perimeter of parking lot as in Old George-town Road Widening Detail.

TYPICAL PAVING SECTION
ROCKVILLE PIKE WIDENING
No Scale.

LEFT TURN STORAGE LANE ON ROCKVILLE PIKE
No Scale.

5' Concrete Sidewalk (Construct up to a width of 6')

Existing type "A" Curb

Ex. Concrete Paving

Mod. S.R.C. Type "A" Concrete Curb

Varies.

10-S. See "Tie Device Detail" This sheet.

Remove existing type "A" curb. Drill holes in existing paving & insert #6 Dowel bars @ 12" c.c. See "Tie Device Detail", this sheet.

9" Reinforced Concrete Paving

6" Mod. S.R.C. Type 2 Subbase

TEMPORARY OUTFALL DITCH
No Scale

Existing Pavement Old Georgetown Rd.

Existing Side Drain Ditch

Provide concrete channel paving for first 20' be-low endwall. Sod channel banks beyond concrete channel section.

SD # D-31, 63058-Y

WASHINGTON SUBURBAN SANITARY COMMISSION
* APPROVED APRIL 19, 1963
FOR STORM DRAINS ONLY

SUBJECT TO PRIOR INSTALLATION OF WATER & SEWER AND PAYMENT FOR MOVING ANY WS.S.C. STRUCTURES AFFECTED.
THE STORM DRAINAGE STRUCTURES SHOWN ON THIS PLAN ARE APPROVED AS TO DESIGN AS A COMPONENT PART OF THE STORM DRAINAGE SYSTEM FOR THIS DRAINAGE AREA. THIS COMMISSION ASSUMES NO RESPONSIBILITY WHATSOEVER FOR ANY DAMAGE WHICH MAY BE CAUSED TO ADJACENT PROPERTY OWNERS, OR TO OWNERS DOWNSTREAM, BY REASON OF THE INSTALLATION OF THE DRAINAGE STRUCTURES SHOWN HEREON.
John A. Mary
SENIOR DESIGNING ENGINEER
THE W.S.S.C. CONSTRUCTION DIVISION SHALL BE NOTIFIED THREE DAYS IN ADVANCE OF BEGINNING CONSTRUCTION.

* Structures 7-9, 15-16, 30 & 32 75 & 77, 79-80, 85-87 and connecting pipes.
* Subject to approval by Md. S.R.C.

REVIEWED BY PLANS & SURVEYS DIVISION FOR BLOCKING, PIPE CLOSS, VALVES & FH's
3-25-63
DATE

№	REVISION	DATE	BY
2.	Relocation of 2' W.M.C., 8" W. & 6" S.M.O. for Furniture Store, unit "C" both in plan and profile. Revision due to changes by Mechanical Engineer.	4-1-63	M.M.
1.	Addition of inlets #22 & #24 and elimination of inlet #18; Revision in profile from structure #21 thru #24 and from structure #9 thru #11. Revisions due to changes in site plan by architect.	3-30-63	J.A.M.

Sheet 1 of 3

ONSITE WATER, SEWER & STORM DRAINAGE PLAN, OFFSITE STORM DRAINAGE & PAVING PLAN
KORVETTE SHOPPING CENTER
MONTGOMERY COUNTY, MARYLAND

741

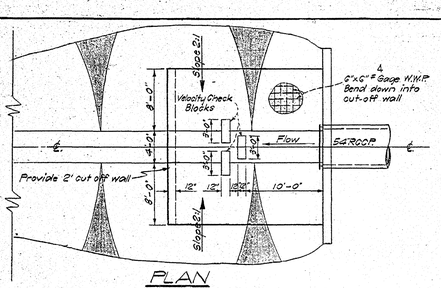
JOB № : 63-137 (PAV), 63-115 (S.D.; W&S.) FILE № : M-1148

Client: Philip J. Levin 893-917 Route #22 NOR

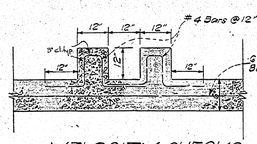
GREENHORNE & O'MARA
CIVIL ENGINEERS LAND SURVEYORS
6715 KENILWORTH AVE.
RIVERDALE, MD.

CE 487-728-1

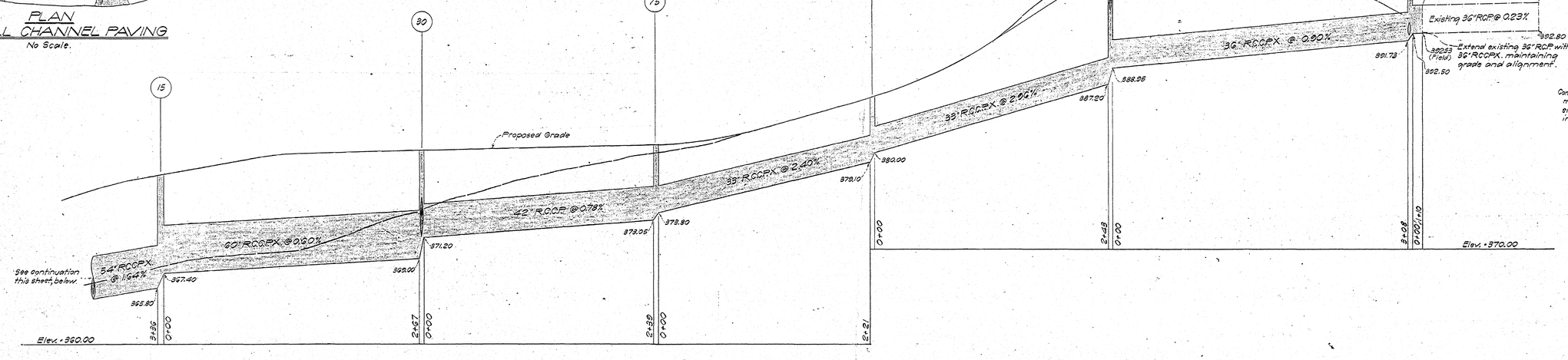
SD FILE NO. 741

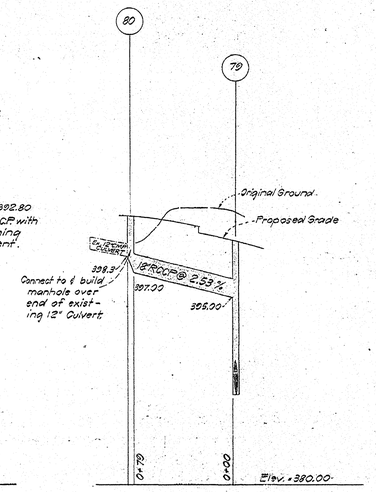


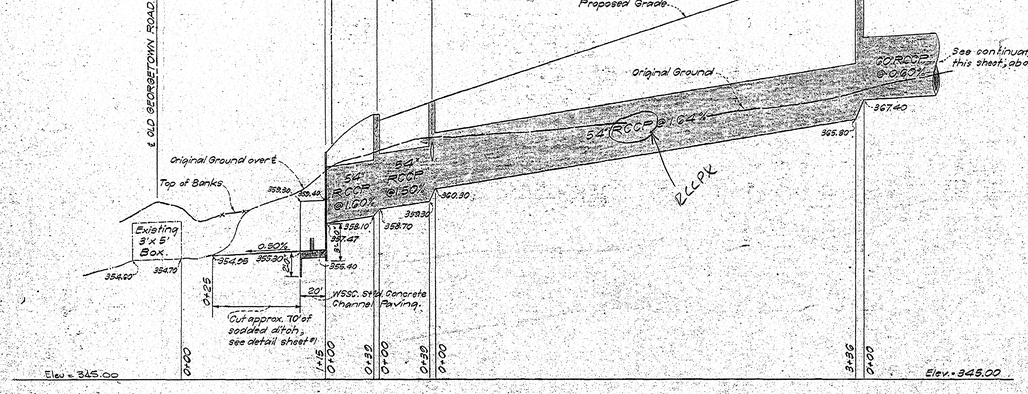
PLAN
OUTFALL CHANNEL PAVING
No Scale.

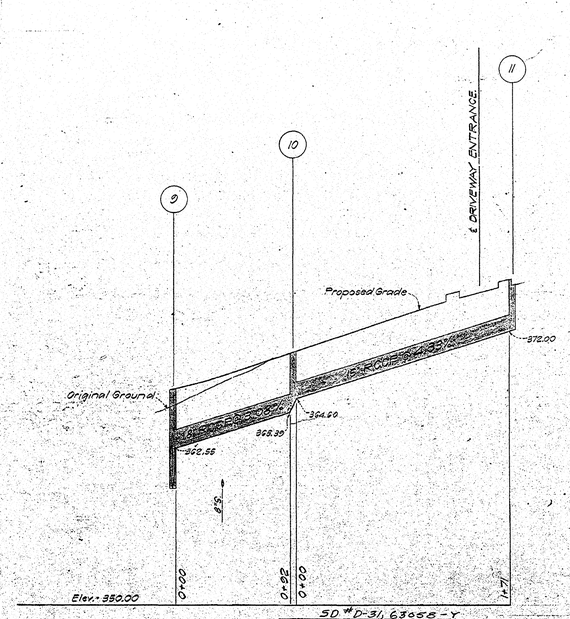


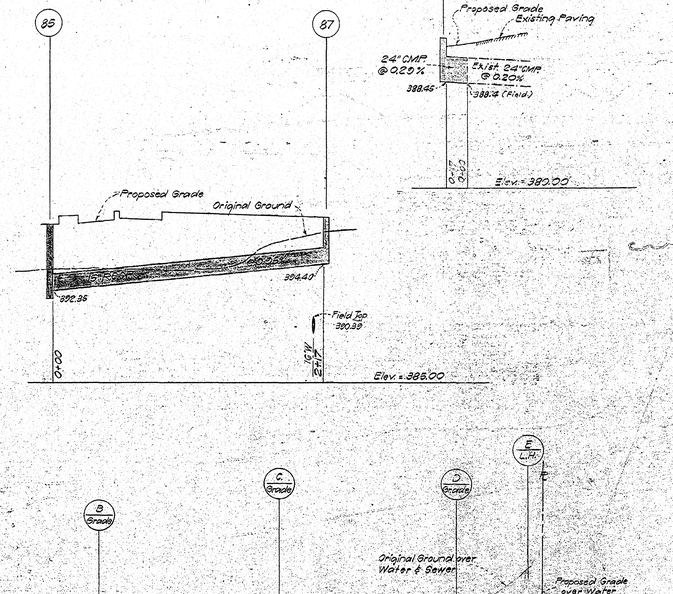
VELOCITY CHECKS
No Scale

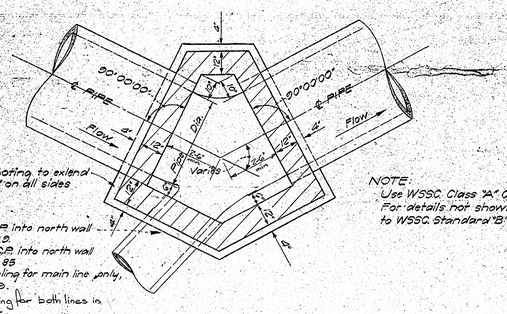










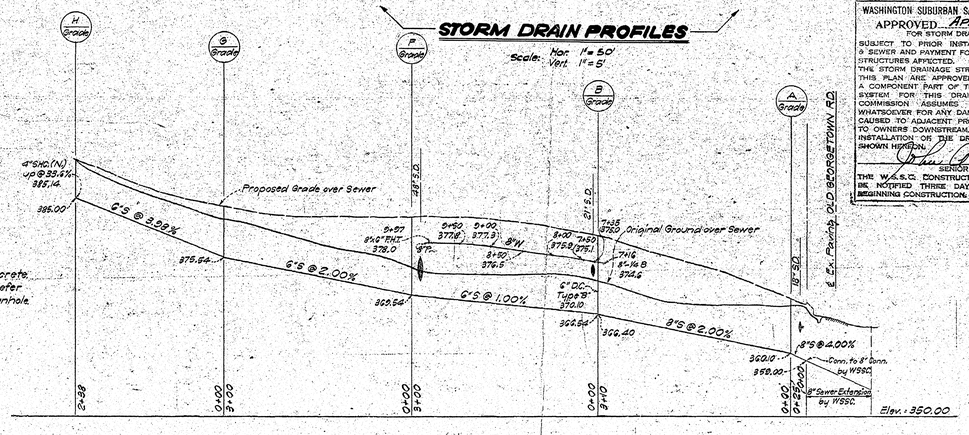


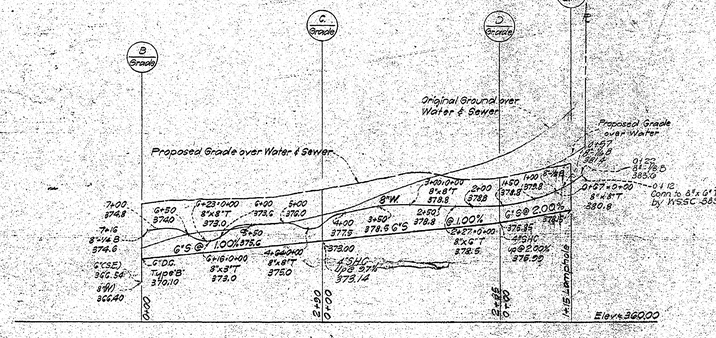
NOTE:
Use WSSC Class "A" Concrete.
For details not shown refer to WSSC Standard "B" Manhole.

Connect 18" RCCP into north wall of manhole No 2.
Connect 15" R.C.C.P. into north wall of manhole No 88
Provide channeling for main line only, in structure No 9.
Provide channeling for both lines in structure No 65.

STORM DRAIN PROFILES

Scale: Hor. 1"= 50'
Vert. 1"= 5'





PROFILES, 8"W, 6"& 8"S
Scale: Hor.: 1"=100, Vert.: 1"=10'

WASHINGTON SUBURBAN SANITARY COMMISSION
APPROVED April 19, 1963
FOR STORM DRAINS ONLY

SUBJECT TO PRIOR INSTALLATION OF WATER & SEWER AND PAYMENT FOR MOVING ANY W.S.S.C STRUCTURES AFFECTED.
THE STORM DRAINAGE STRUCTURES SHOWN ON THIS PLAN ARE APPROVED AS TO DESIGN AS A COMPONENT PART OF THE STORM DRAINAGE SYSTEM FOR THIS DRAINAGE AREA. THIS COMMISSION ASSUMES NO RESPONSIBILITY WHATSOEVER FOR ANY DAMAGE WHICH MAY BE CAUSED TO ADJACENT PROPERTY OWNERS, OR TO OWNERS DOWNSTREAM, BY REASON OF THE INSTALLATION OF THE DRAINAGE STRUCTURES SHOWN HEREON.

SENIOR BEGINNING ENGINEER

THE W.S.S.C. CONSTRUCTION DIVISION SHALL BE NOTIFIED THREE DAYS IN ADVANCE OF BEGINNING CONSTRUCTION.

SD # D-31, 63058-Y

Sheet 2 of 3

ONSITE WATER, SEWER & STORM DRAINAGE PLAN, OFFSITE STORM DRAINAGE & PAVING PLAN
KORVETTE SHOPPING CENTER
MONTGOMERY COUNTY, MARYLAND

JOB NO: 63-137(PAV.), 63-115 (ST. D., W. & S.) FILE NO: M-1148

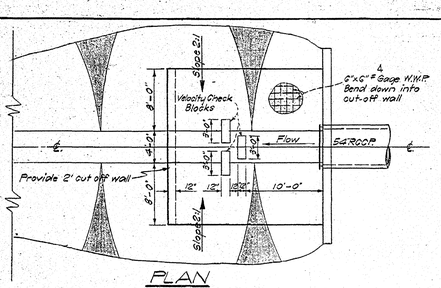
Client: Philip J. Levin 893-2117 Route # 22 NORTH

SD FILE NO. 741

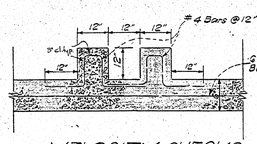
GREENHORNE & O'MARA
CIVIL ENGINEERS — LAND SURVEYORS
6715 KENILWORTH AVE.
RIVERDALE, MD.

CE487-728-2

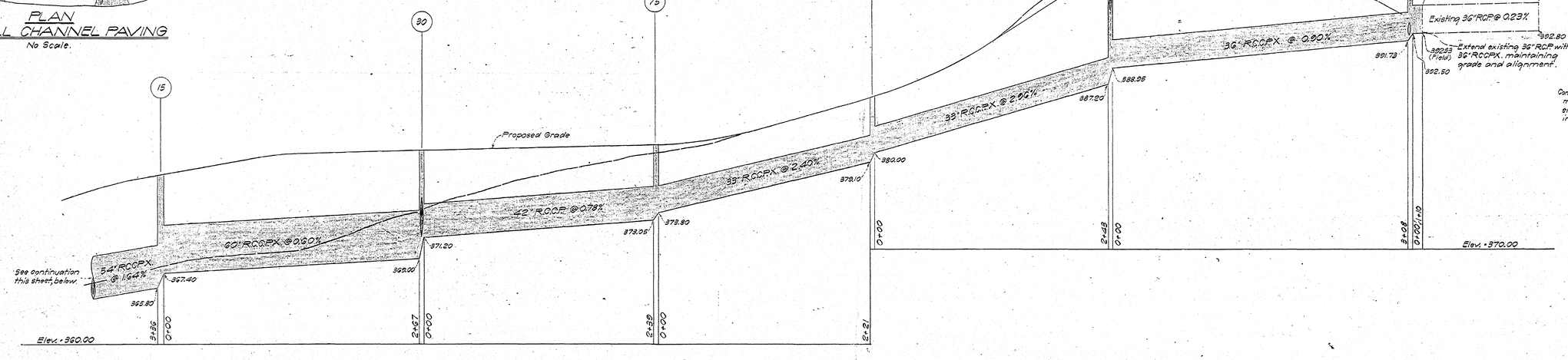
Maryland State Archives

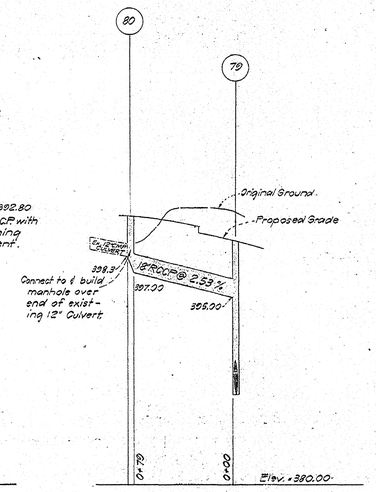


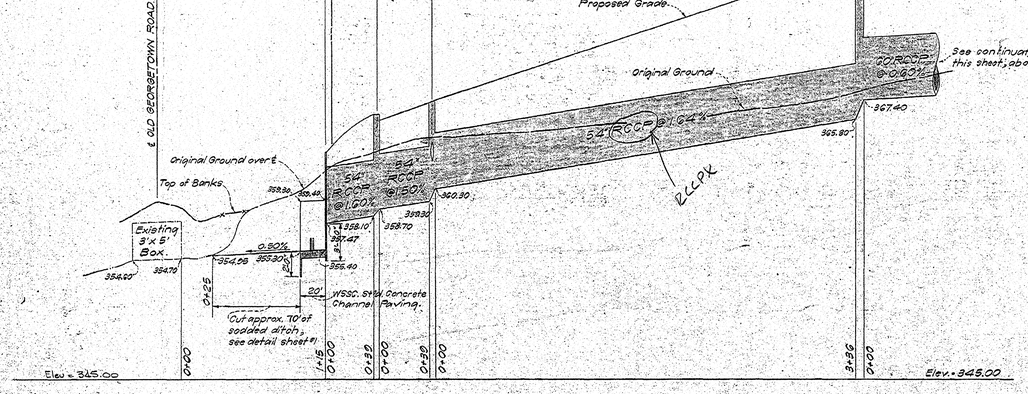
PLAN
OUTFALL CHANNEL PAVING
No Scale.

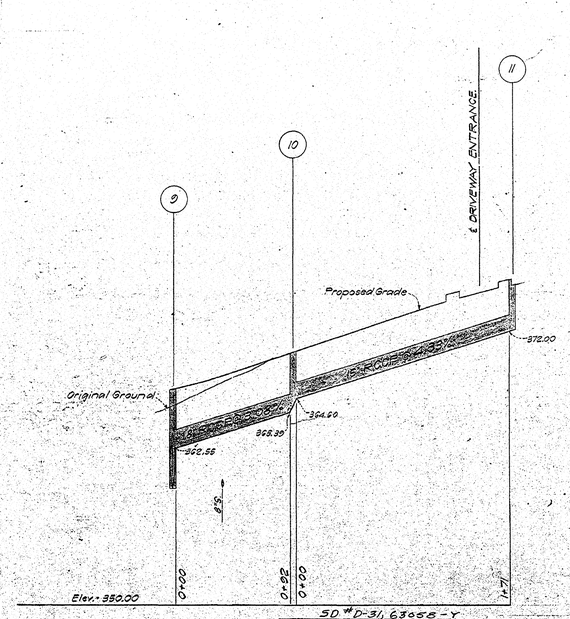


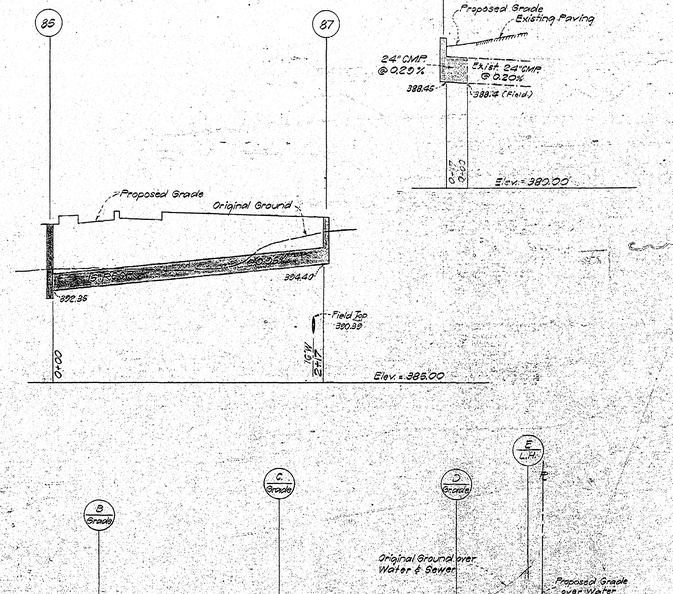
VELOCITY CHECKS
No Scale

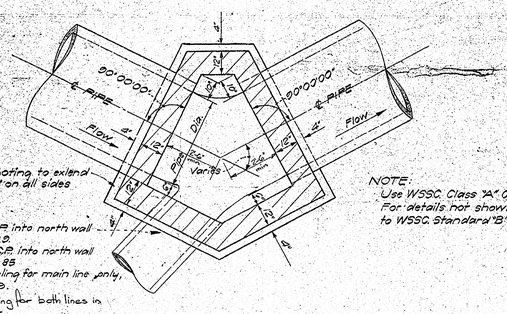










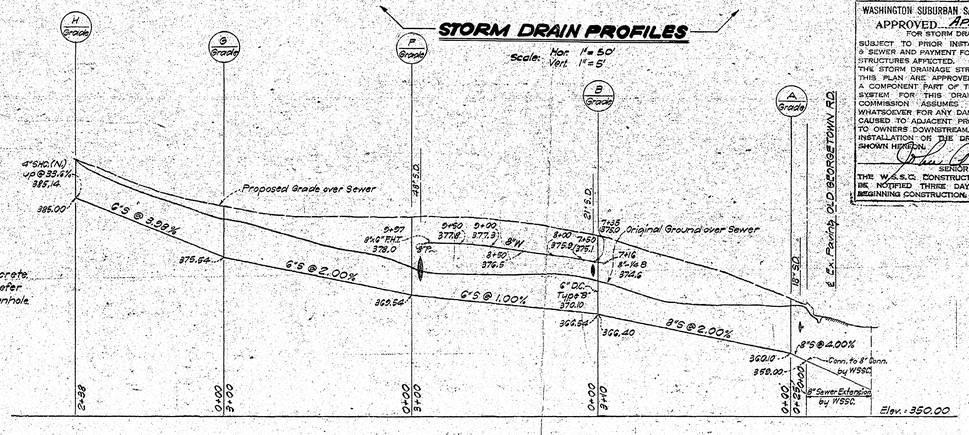


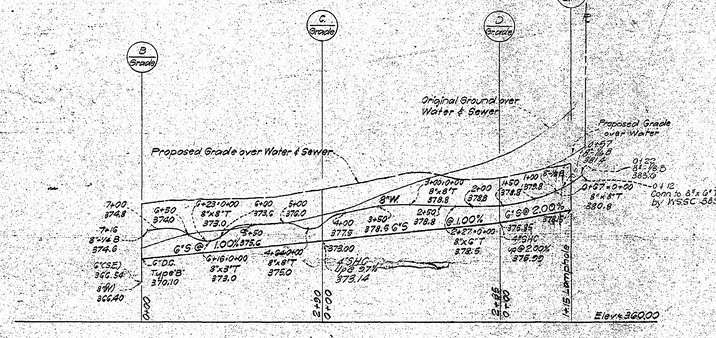
NOTE:
Use WSSC Class "A" Concrete.
For details not shown refer to WSSC Standard "B" Manhole.

Connect 18" RCCP into north wall of manhole No 2.
Connect 15" R.C.C.P. into north wall of manhole No 88
Provide channeling for main line only, in structure No 9.
Provide channeling for both lines in structure No 65.

STORM DRAIN PROFILES

Scale: Hor. 1"= 50'
Vert. 1"= 5'





PROFILES, 8"W, 6"& 8"S
Scale: Hor.: 1"=100, Vert.: 1"=10'

WASHINGTON SUBURBAN SANITARY COMMISSION
APPROVED April 19, 1963
FOR STORM DRAINS ONLY

SUBJECT TO PRIOR INSTALLATION OF WATER & SEWER AND PAYMENT FOR MOVING ANY W.S.S.C STRUCTURES AFFECTED.
THE STORM DRAINAGE STRUCTURES SHOWN ON THIS PLAN ARE APPROVED AS TO DESIGN AS A COMPONENT PART OF THE STORM DRAINAGE SYSTEM FOR THIS DRAINAGE AREA. THIS COMMISSION ASSUMES NO RESPONSIBILITY WHATSOEVER FOR ANY DAMAGE WHICH MAY BE CAUSED TO ADJACENT PROPERTY OWNERS, OR TO OWNERS DOWNSTREAM, BY REASON OF THE INSTALLATION OF THE DRAINAGE STRUCTURES SHOWN HEREON.

SENIOR BEGINNING ENGINEER

THE W.S.S.C. CONSTRUCTION DIVISION SHALL BE NOTIFIED THREE DAYS IN ADVANCE OF BEGINNING CONSTRUCTION.

SD # D-31, 63058-Y

Sheet 2 of 3

ONSITE WATER, SEWER & STORM DRAINAGE PLAN, OFFSITE STORM DRAINAGE & PAVING PLAN
KORVETTE SHOPPING CENTER
MONTGOMERY COUNTY, MARYLAND

JOB NO: 63-137(PAV.), 63-115 (ST. D., W. & S.) FILE NO: M-1148

Client: Philip J. Levin 893-2117 Route # 22 NORTH

SD FILE NO. 741

GREENHORNE & O'MARA
CIVIL ENGINEERS — LAND SURVEYORS
6715 KENILWORTH AVE.
RIVERDALE, MD.

CE487-728-2

Maryland State Archives