R.A. Grover OLH-87P2

Green Lawn 185'
S.H.C. 66'
40
30
116
185
301'

Pav.
60'
31
18
109'

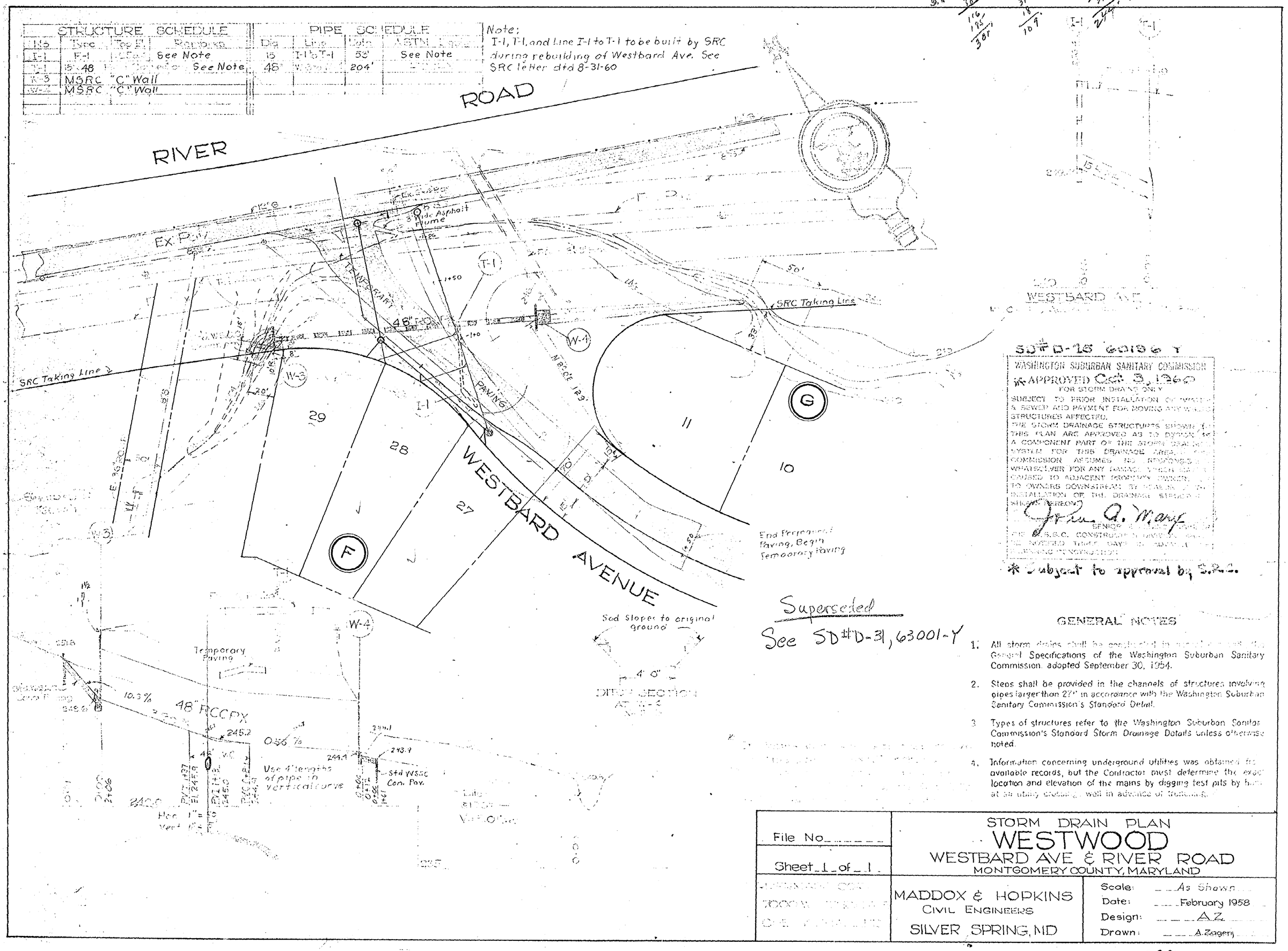
Sewer
112
95
207
37
244'

18'
6
13
37' H.C.

70' pav

STRUCTURE SCHEDULE				PIPE SCHEDULE			
No	Type	Top El.	Remarks	Dia	Line	Lgth	ASTM Design
I-1	F-1	[illegible]	See Note	15	I-1 to T-1	53'	See Note
T-1	15 x 48	[illegible]	See Note	48"	[illegible]	204'	[illegible]
W-3	MSRC	"C" Wall					
W-4	MSRC	"C" Wall					

Note:
I-1, T-1, and Line I-1 to T-1 to be built by SRC during rebuilding of Westbard Ave. See SRC letter dtd 8-31-60



SD# D-25 60196 Y

WASHINGTON SUBURBAN SANITARY COMMISSION
APPROVED Oct. 3, 1960
FOR STORM DRAINS ONLY
SUBJECT TO PRIOR INSTALLATION OF WATER & SEWER AND PAYMENT FOR MOVING ANY WATER STRUCTURES AFFECTED.
THE STORM DRAINAGE STRUCTURES SHOWN IN THIS PLAN ARE APPROVED AS TO DESIGN AS A COMPONENT PART OF THE STORM DRAINAGE SYSTEM FOR THIS DRAINAGE AREA. THE 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. Marx
SENIOR [illegible]
THE W.S.S.C. CONSTRUCTION DIVISION SHALL BE NOTIFIED THREE DAYS IN ADVANCE OF BEGINNING CONSTRUCTION

* Subject to approval by S.R.C.

Superseded
See SD# D-31, 63001-Y

GENERAL NOTES

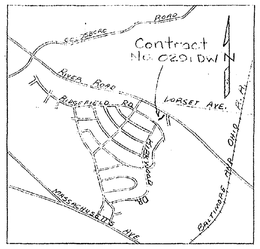
1. All storm drains shall be constructed in accordance with the General Specifications of the Washington Suburban Sanitary Commission, adopted September 30, 1954.
2. Steps shall be provided in the channels of structures involving pipes larger than 27" in accordance with the Washington Suburban Sanitary Commission's Standard Detail.
3. Types of structures refer to the Washington Suburban Sanitary Commission's Standard Storm Drainage Details unless otherwise noted.
4. 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.

File No.	STORM DRAIN PLAN WESTWOOD WESTBARD AVE & RIVER ROAD MONTGOMERY COUNTY, MARYLAND	
Sheet 1 of 1		
[illegible]	MADDOX & HOPKINS CIVIL ENGINEERS SILVER SPRING, MD	Scale: As Shown Date: February 1958 Design: A.Z. Drawn: A. Zagerj

SD FILE 238

CE487-237-1

Maryland State Archives



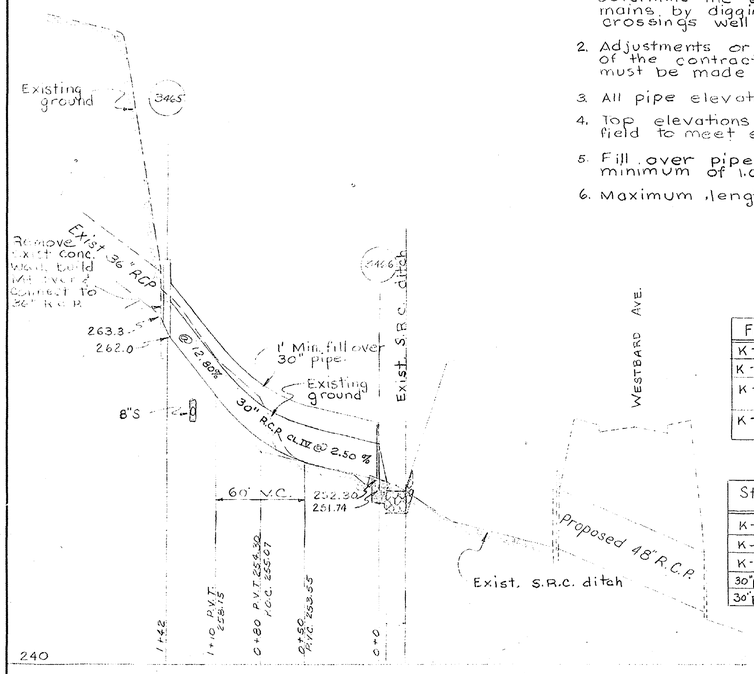
VICINITY MAP
Scale 1" = 2000'

STRUCTURE SCHEDULE			
NO.	Top El.	Type	Remarks
3465	267.80	Standard "A" MH 5'4"ϕ 12" walls	*
3466	255.63	S.R.C. "G" Endwall for 36" pipe with 30" flapgate. Slope 2:1	**

* Provide slab 6.5' in diameter - 8" thick, with M1 frame & cover.
** for modification see detail this sheet.

~ GENERAL NOTES ~

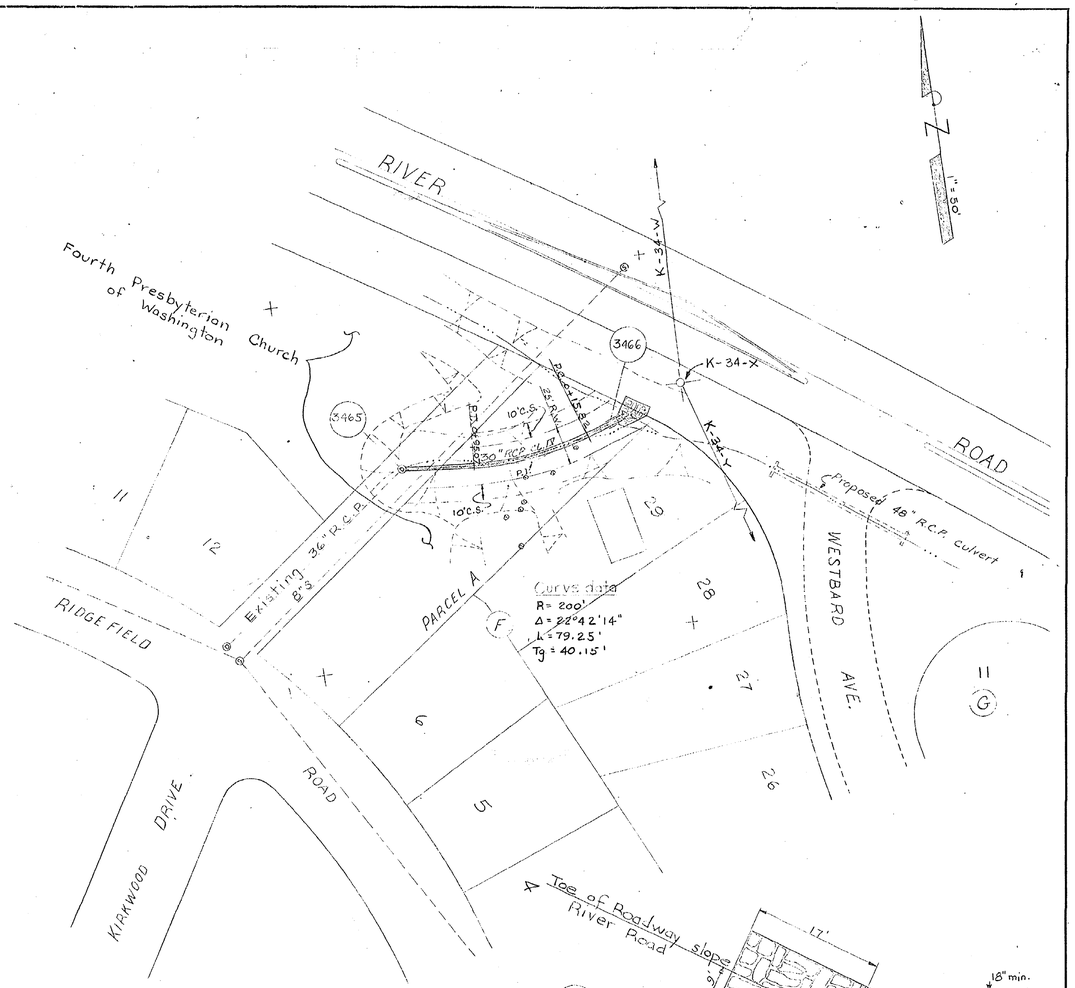
1. Information concerning underground utilities was obtained from available records, but the contractor must determine the exact location and elevation of the mains by digging test pits by hand at all utility crossings well in advance of trenching.
2. Adjustments or repair to utilities damaged as a result of the contractors negligence or method of operation must be made at his own expense.
3. All pipe elevations shown are invert elevations.
4. Top elevations of structures shall be adjusted in the field to meet existing conditions.
5. Fill over pipes to meet existing ground with a minimum of 1.0' cover. Grade to provide positive drainage.
6. Maximum length of pipe laid on curve to be 6'.

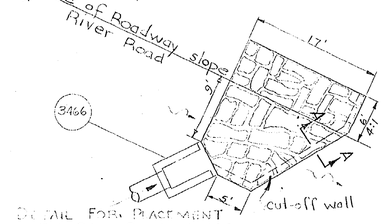


Scale H. 1" = 50'
V. 1" = 5'

From	To	Azimuth	Distance
K-34-X	K-34-W	182° 42' 27"	437.51'
K-34-X	K-34-Y	344° 10' 02"	413.95'
K-34-X	℄ 30" pipe Std. 010	70° 36' 27"	56.19'
K-34-X	30" pipe P.I.	70° 52' 25"	112.16'

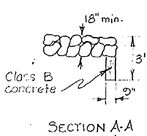
Station	Coordinates N	Coordinates W
K-34-X	28659.75	28485.03
K-34-Y	28261.51	28372.09
K-34-W	29096.76	28164.36
30" pipe Std 010	28641.00	28538.00
30" pipe P.I.	28623.00	28591.00





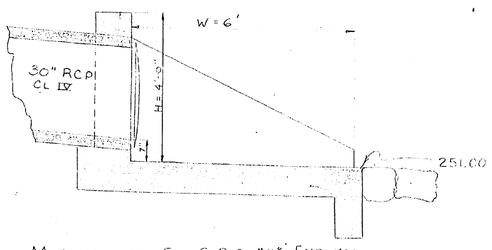
Place ungrouted rip rap as shown to conform to existing ground. Min. thickness to be 18" with weight of 100# to 250# per stone.

DETAIL FOR PLACEMENT OF RIP-RAP BELOW #3466.
scale 1" = 10'



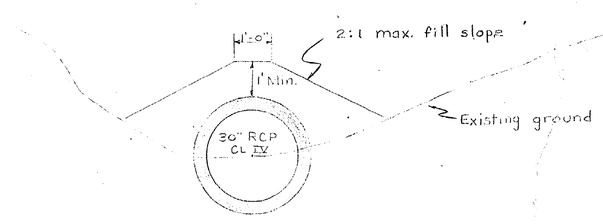
SECTION A-A
no scale

4-11-63 Ties to 3466 & PI



MODIFICATION FOR S.R.C. "G" ENDWALL
Scale 1" = 2'

For details not shown, see S.R.C. Std. "G" Endwall for 36" pipe & 2:1 slope.



TYPICAL FILL SECTION
No Scale

~ BENCH MARKS ~

DTP # 26381 El. 260.32
R.R. spike in south side of Pepco pole # M5939 on N.W. side of Westbard Ave., 400'± S.E. of River Road.

DTP # 8085 El. 249.01
T.P. on a cut on east end of headwall on south side of River Road, 1200'± west of Brookside Drive.

DTP # 19475 El. 277.40
Pepco pole # 629529 on N.E. side of Hilburne Way, 350' south of Dorset Ave.

EXAMINED FOR		
R/W REQ'D	VER	3/11/63
WATER & SEWER	WSH	3/12/63
OTHER UTILITIES	HPS	3/11/63

SUPERVISION
FOR MAIN LINES ONLY
NOT REQUIRED BY
DEPT. OF STATE FORESTS & PARKS-BALTO., MD.

CONTRACT 0291DW

DRAWN		WASHINGTON SUBURBAN SANITARY COMMISSION	APPROVED April 3, 1963 (DATE) (CHIEF ENGINEER)	STORM / SEWER
TRACED	CFM			AUTHOR. 6-26 / 62
CHECKED				
EXAMINED				JOB NO. 62DW / 210
STARTED				

CONTRACT No. 0291DW

GLEN ECHO DISTRICT
STORM DRAIN
River Road West of Westbard Ave.
Fourth Presbyterian Church

DRAWING NO. 1 OF 1 | SCALE AS SHOWN | 208NW5 / 63102A / Y / 15NW10-3

CE 487-237 -2

SD FILE NO. 238

RELEASED 4-3-63

E-11 6-53 50

PHOENIX MFGS. SAN FRANCISCO

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