SCHEDULE

STRUCTURE					PIPE				
No.	Type	Top Elev.		Remarks	From	To	Dia.	Length	Type
W-3	B.M.H.	253.77	–	48" Square	3	7	24"	283'	RC.P.CL.IV
3	E	–	–	MSRC Std. E Endwall for 24"					
					7	5	24"	42'	" "
5	B.M.H.	246.83	–	48" Sq. Mod. Open E. Side*	5	W-3	24"	15'	" "
7	A.M.H.	248.62	–	48" Sq. Cover to match slope of existing ground	5	–	12"	15'	" "
					–	–	4"	3'	RCSP

*Modify 'B' Manhole by using 4" thick inlet slab, inlet frame & cover. Provide 6" high by 48" wide openings in sides noted. Opening is directly below slab. Grade to top of slab on sides without openings.

Remove existing bar grate from the end of the existing 66" RCP

Widen and grade channel. Place un-grouted rip-rap as shown, see typical section this sheet. Transition channel from end of rip-rap to existing stream. Sod all disturbed areas that are not to be rip-rapped.

Fill disturbed area around Flume & clean out Flume

Storm drain easement, 37' by 13', to be acquired.

See detail of endwall & ditch, this sheet.

℄ CURVE DATA

Curve ①
R = 23.07'
Δ = 36°55'
L = 15.44'
T = 8.00'

Curve ②
R = 84.06'
Δ = 17°55'
L = 25.80'
T = 13.00'

Place a layer of "Filter-X" in accordance with manufacturers recommendations. "Filter-X" as manufactured by Carthage Mills, Inc., Cincinatti, Ohio.

Rip-rap stones shall weigh between 300 and 800 pounds with an average weight of 500 pounds; minimum thickness shall be 12". Stone for rip-rap shall consist of field stone or rough, unhewn quarry stone and shall be dense and resistant to the action of air and water.

Un-grouted rip-rap for 26', Sod beyond.

TYPICAL SECTION
CHANNEL IMPROVEMENT
No Scale

Contractor shall restrict all equipment to marked area of parking lot

Trench for 24" pipe from ② to ⑦ to be back-filled with bank run gravel to 6" over top of pipe. Replace all disturbed paving with 6" bank run gravel base course and 2" bituminous concrete surface course. Backfill over pipe to original ground line. Sod all disturbed unpaved areas.

Construction strip to be acquired.

Remove existing concrete head-wall and ditch, construct new 'B' Manhole (W-3) over end of existing pipe

Storm drain easements to be acquired

Provide 45° 4" RCP Bend, located so that 3' Sl. pipe connects as shown, within first half of bend. Provide 2 lengths of straight 4" RCP, cut as necessary to connect bend to existing 4" RCP and to proposed 12" RCP. End of 4" RCP to be cut flush with inside of 12" RCP. Mortar around entire joint between 4" RCP and 12" RCP.

See below for detail of connections at wall. Remove existing concrete slab beyond wall.

Storm drain easement to be acquired

Fill in existing ditch. Provide 1' minimum cover over pipes, see typical section, this sheet. Shape fill to provide positive drainage (to ③ or to parking lot) and to have a pleasing appearance. Sod all disturbed areas.

PARCEL "A"
ROCK CREEK POOL
P.B. 62 - P. 5890

PARCEL "A"
SECTION 2 - ROCK CREEK FOREST
P.B. 64 - P. 5649

W.S.S.C. 2744 / 341

B.M. Elev. 254.01

B.M. Elev. 248.45

B.M. Elev. 246.64

Ex. Bit. Mac. Parking Lot

Ex. Bit. Mac. Parking Lot

Existing Twin 60" RCP

Future - Twin 60" RCP

Ex. 10' & 12' C.I.G. Asphalt Paving

Ex. 10' C.I.G. Asphalt Paving

Ex. 24" RCP

Ex. 12" RCP

Ex. 4" RCP

Ex. 4" weephole

Ex. opening in wall.

Proposed 12" RCP

Mortar

Face of wall

Ex. 4" RCP

Ex. 12" RCP

Cut 12" RCP to fit flush against wall. Mortar as shown, to provide smooth flow from end of existing 12" RCP to proposed 12" RCP, and around entire joint between wall and proposed 12" RCP.

Provide 6" i.d. cast iron pipe, to be inserted 2" into weephole and to be cut flush with inside of 4" RCP Bend (see note above). Mortar completely around 6" C.I. pipe at wall and at 4" RCP.

Ex. Inlet

Ex. Manhole

Ex. Endwall

Ex. Concrete Retaining Wall

Ex. Fence

Ex. Guard Rail

Ex. Chain Link Fence

Ex. Stone Wall

Ex. Concrete Walk

Ex. Utility Pole

Ex. Gas Valve

Ex. Gas Meter

Ex. Water Valve

Ex. Water Meter

Ex. Sign

Ex. Light Pole

Ex. Tree

Ex. Shrub

Ex. Bench

Ex. Flag Pole

Ex. Mail Box

Ex. Hydrant

Ex. Bollard

Ex. Trash Can

Ex. Bus Shelter

Ex. Bus Stop

Ex. Bus Bench

Ex. Bus Bench & Shelter

Ex. Bus Bench & Shelter & Trash Can

Ex. Bus Bench & Shelter & Trash Can & Bollard

Ex. Bus Bench & Shelter & Trash Can & Bollard & Fence

Ex. Bus Bench & Shelter & Trash Can & Bollard & Fence & Gate

Ex. Bus Bench & Shelter & Trash Can & Bollard & Fence & Gate & Sign

Ex. Bus Bench & Shelter & Trash Can & Bollard & Fence & Gate & Sign & Light Pole

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Ex. Bus Bench & Shelter & Trash Can & Bollard & Fence & Gate & Sign & Light Pole & Tree & Shrub

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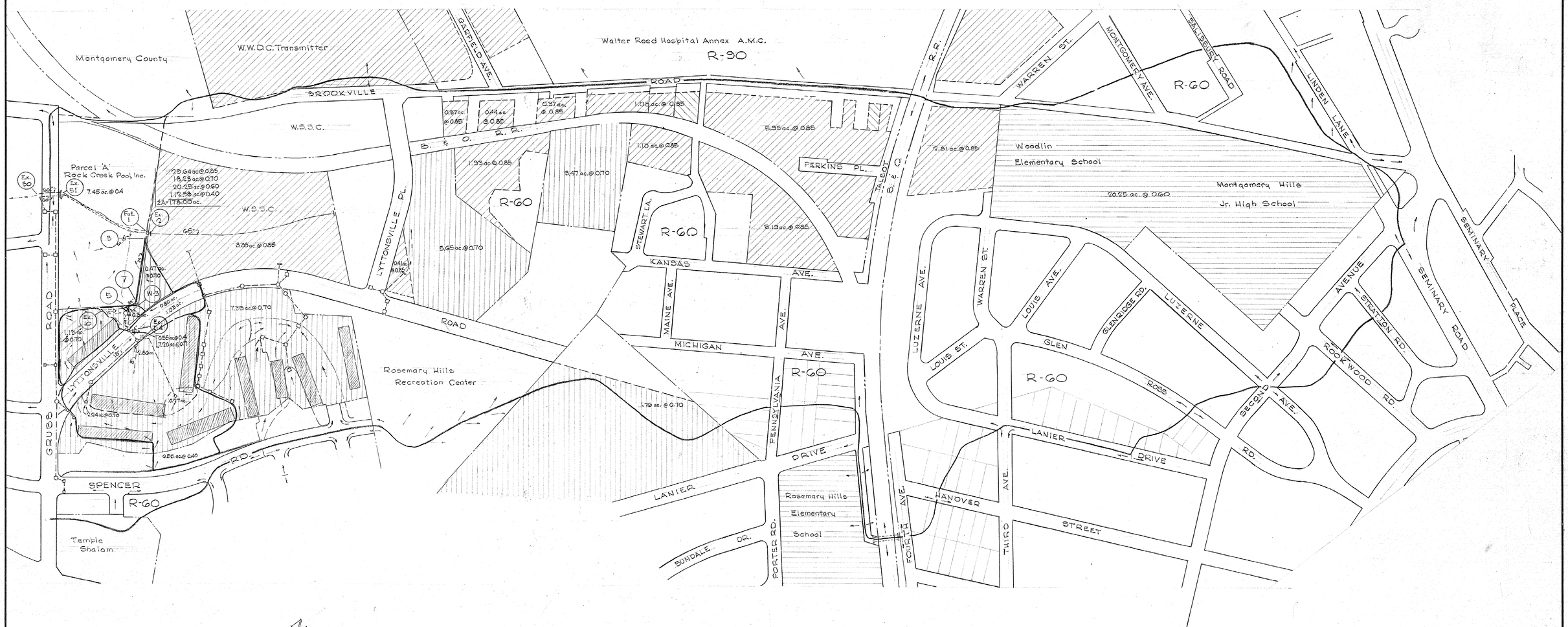

DRAINAGE AREA MAP

Scale: 1" = 200'

ZONING LEGEND

Commercial	C = 0.85	
Industrial	C = 0.85	
Apartments	C = 0.70	
Schools	C = 0.60	
R-60	C = 0.40	R-60
R-90	C = 0.38	R-90

I hereby certify that these plans are designed in accordance with the Montgomery County Department of Public Works Interim Storm Drain Design Criteria.

B. Edward Prescott, Jr.
Maryland P.E. 3297

B. EDWARD PRESCOTT, Jr. - PROFESSIONAL ENGINEER - 3297 - STATE OF MARYLAND

B. EDWARD PRESCOTT JR. P.E.
CIVIL ENGINEER LAND PLANNER
912 THAYER AVENUE
SILVER SPRING, MARYLAND

APPROVED FOR SEDIMENT CONTROL BY MONTGOMERY SOIL CONSERVATION DISTRICT.
Chester Tuckerman 12-1-72
SUPERVISOR DATE

W.S.S.C. PERMIT #DM-8099 FOR WORK IN PUBLIC SPACE

NUMBER	REVISION	DATE
1	Storm drain alignment - 5 to 3.	Sept. 11, '72

DES. B.E.P.
DR.
CHK.
REVISIONS

MONTGOMERY COUNTY MARYLAND
DEPARTMENT OF PUBLIC WORKS
ROCKVILLE, MD.

STORM DRAIN PLAN
ROCK CREEK POOL, INC.
GRUBB RD. & LYTTONSVILLE RD.
WHEATON ELECTION DISTRICT NO. 13
SCALE: AS NOTED

APPROVED 10/31/72
E. James Sayer — CHIEF - BUR. OF ENG'G.
R. J. Lynch — ACT. DIRECTOR, DEPT. OF PUB. WKS.

PROJECT: 73-2766 DWG: 2 OF 2

SD FILE NO. 87

CE 487-86 -2

SDG 19