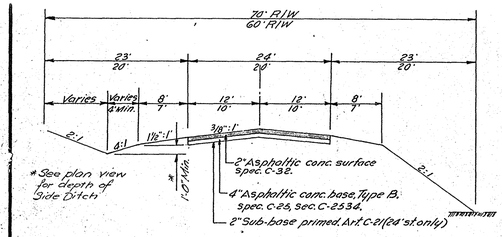
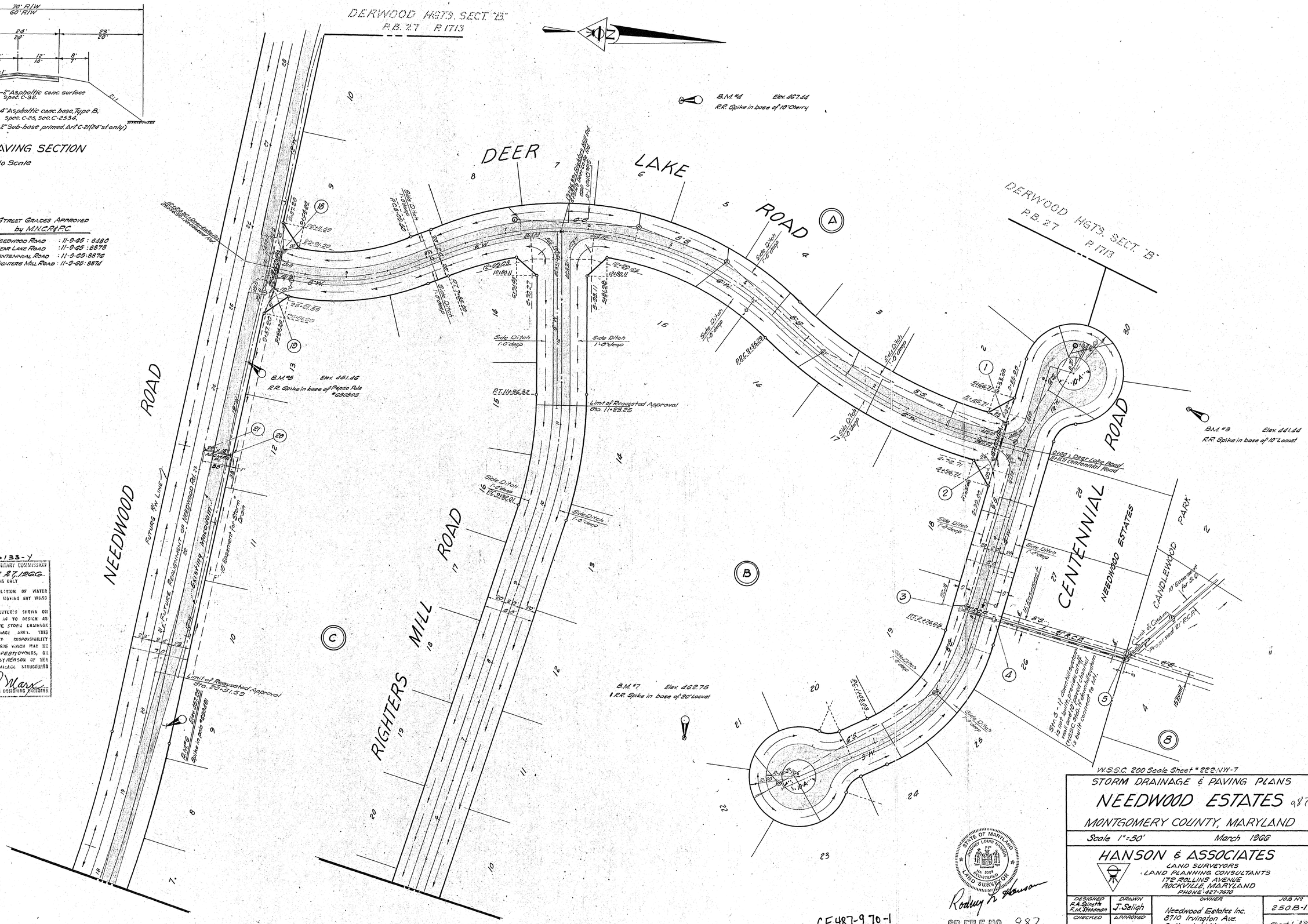


TYPICAL PAVING SECTION

No Scale



STREET GRADES APPROVED by M.N.C.P.&P.C.

NEEDWOOD ROAD	: 11-9-65 : 8480
DEER LAKE ROAD	: 11-9-65 : 8878
CENTENNIAL ROAD	: 11-9-65 : 8876
RIGHTERS MILL ROAD	: 11-9-65 : 8874

SD # D-39, 66133-Y

WASHINGTON SUBURBAN SANITARY COMMISSION

APPROVED JUNE 27, 1966

FOR STORM DRAINS ONLY

SUBJECT TO PRIOR INSTALLATION OF WATER & SEWER AND PAYMENT FOR MOVING ANY WS.SC 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.

R.C.H. John A. Marx
SENIOR DESIGNING ENGINEER

W.S.S.C. 200 Scale Sheet # 222-NW-7

STORM DRAINAGE & PAVING PLANS

NEEDWOOD ESTATES 987

MONTGOMERY COUNTY, MARYLAND

Scale 1"=50' March 1966

HANSON & ASSOCIATES
LAND SURVEYORS
LAND PLANNING CONSULTANTS
172 ROLLINS AVENUE
ROCKVILLE, MARYLAND
PHONE: 427-7670

DESIGNED	DRAWN	OWNER	JOB No
F.A. Spinetta, F.M. Steadman	J. Seligh	Needwood Estates Inc. 8710 Irvington Ave. Bethesda, Md.	250B-1
CHECKED	APPROVED		Sheet 1 of 2
R.L.H.	R.L.H.		

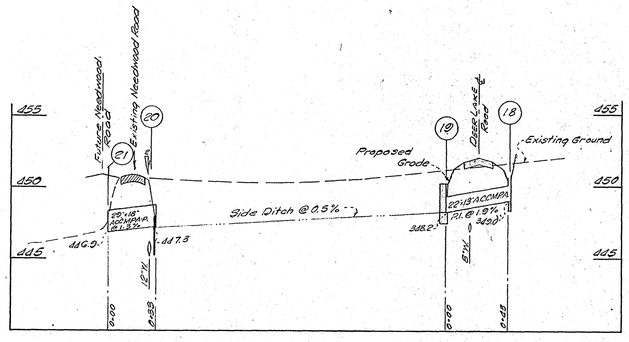
STATE OF MARYLAND — RODNEY LOUIS HANSON — No. 3024 — REGISTERED LAND SURVEYOR

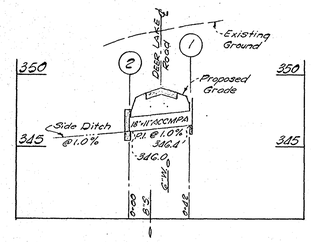
Rodney L. Hanson

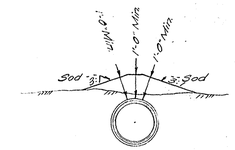
SD FILE NO. 987

CE 487-970-1

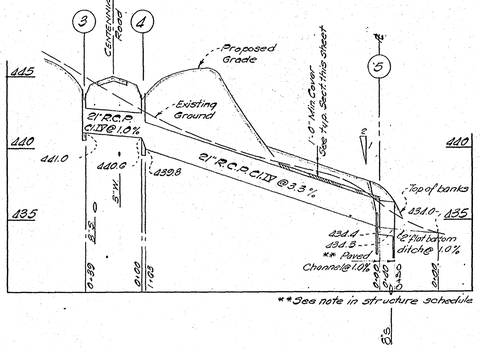
SD # 4883







TYPICAL SECTION
MINIMUM PIPE COVER
NO SCALE



SO# D-37, 66133-Y
WASHINGTON SUBURBAN SANITARY COMMISSION
APPROVED JUNE 27, 1966
FOR STORM DRAINS ONLY

SUBJECT TO PRIOR INSTALLATION OF WATER & SEWER AND PAYMENT FOR MOVING ANY WSSC 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.

R.C.H.

SENIOR DESIGNING ENGINEER

STORM DRAIN NOTES

1. All storm drains shall be constructed in accordance with the latest edition of the General Specifications of the W.S.S.C.
2. Types of structures refer to the W.S.S.C. standard Storm Drain 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 at all utility crossings, by hand, well in advance of trenching. If clearances are less than shown on plan, or six(6) inches whichever is less contact the storm drain section of the WSSC before proceeding.
4. All Storm Drain shown is to be maintaind by the Montgomery County Dept of Public Works.

PAVING NOTES

1. All construction shall be in accordance with the Montgomery County Road Code and Standard Specifications.
2. No work shall be done in the R/w until the proper permits have been obtained.
3. All graded areas within the street R/w including backslopes shall be sodded.
4. All paving fillet radii shall be 25'.
5. Montgomery County temporary residential driveways will be built a each lot at the direction of the Engineer or the owners.

STRUCTURE SCHEDULE			
NUMBER	TYPE	ELEVATION	REMARKS
1	"J"	347.5 Top of Grate	M.S.R.C. Std. Inlet
2	"E"*	347.5	" " Endwall
3	"J"	343.5 Top of Grate	" " Inlet
4	"J"	343.5 " " "	" " "
5**	Cut off wall	435.3	WSSC. Std.
18	"J"	350.5 Top of Grate	M.S.R.C. Std. Inlet
19	"E"*	350.2	" Endwall
20	Cut-off wall	448.18	WSSC. Std.
21	Armco	Flared End Section	

* Skew wing wall 120°
** Provide Cut off wall & Paved Channel only if downstream system has not been built. If system is built conn. to B-48 MH

PIPE SCHEDULE				
SIZE	TYPE	Ga. or Cl.	REMARKS	LENGTH
18"x11"	A.C.C.M.P.A.	16	Paved Invert	42'
20"x13"	A.C.C.M.P.A.	16	" "	44'
21"	R.C.P.	Cl. IV		202'
20"x18"	ACCM.P.A.	16	Paved Invert	34'

Mont. County
Please Stamp Here

STATE OF MARYLAND — RODNEY LOUIS HANSON — No. 8061 — REGISTERED — LAND SURVEYOR

Rodney L. Hanson

CE487-970-2

SD FILE NO. 987

STORM DRAIN PROFILES
NEEDWOOD ESTATES
MONTGOMERY COUNTY, MARYLAND

SCALE: HORIZONTAL: 1"=50' VERTICLE: 1"=5'
DATE: FEBRUARY, '66

HANSON & ASSOCIATES
LAND SURVEYORS
LAND PLANNING CONSULTANTS
176 ROLLINS AVENUE
ROCKVILLE, MARYLAND
Phone: 427-7670

DESIGNED	DRAWN	OWNER	JOB NUMBER
R.M. Hanson Jr. F.A. Spinetta	F.A. Spinetta	Needwood Estates Incorporated 8710 Irvington Ave. Bethesda, Maryland	250-B1
CHECKED	APPROVED		Sheet 2 of 2

Maryland State Archives