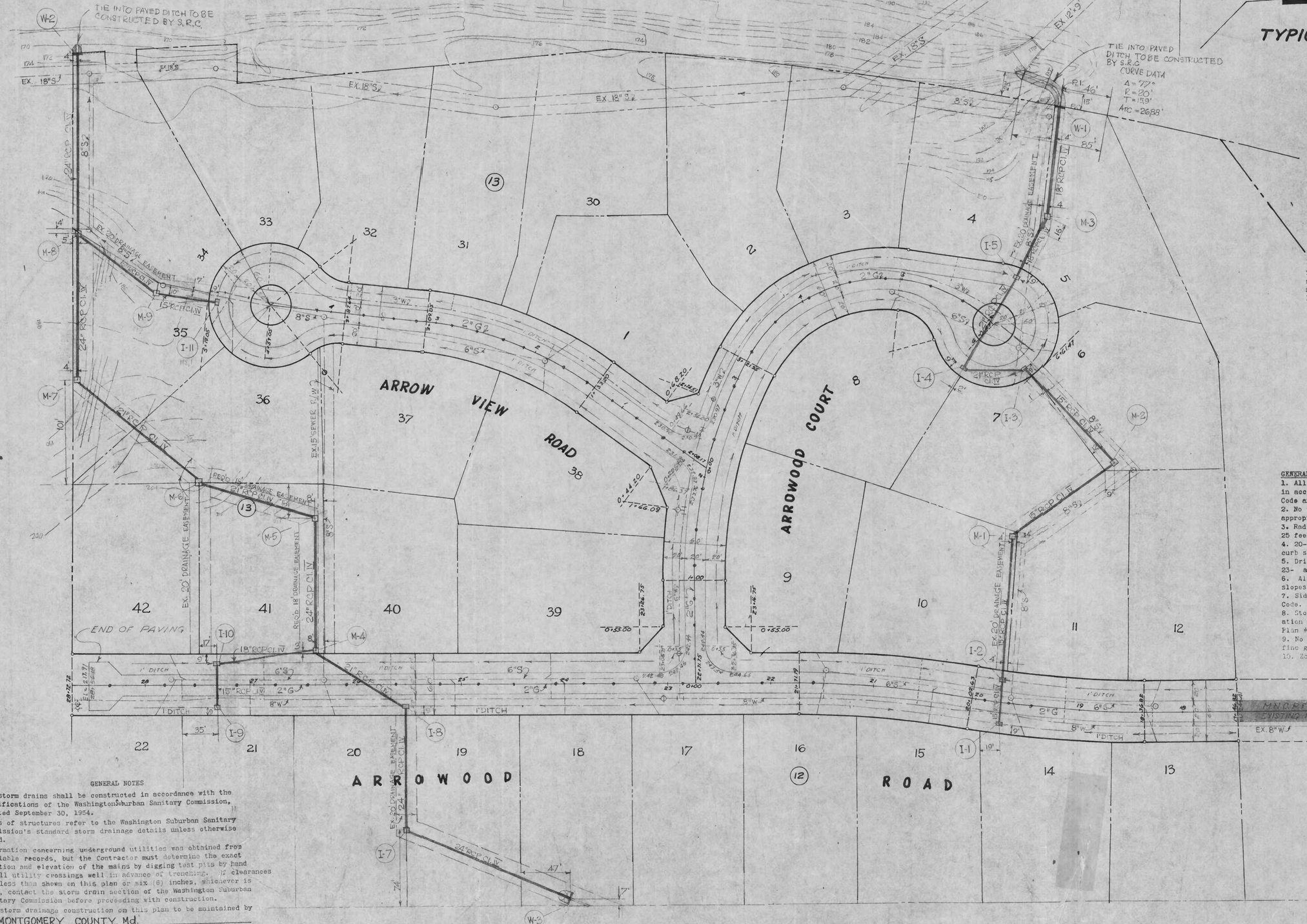
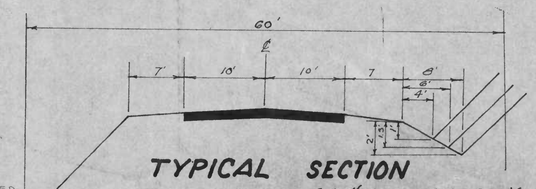




TYPICAL SECTION

S.D. # D-35, 64090 Y

WASHINGTON SUBURBAN SANITARY COMMISSION
* APPROVED MAY 14, 1964
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.

Arthur A. Mark
SENIOR DESIGNING ENGINEER

*Subject to issuance of permit by Maryland State Department of Health
* Subject to approval by S.R.C.

TO WHOM IT MAY CONCERN:
This is to certify that the drawings shown hereon are based on accurate field surveys to the best of my knowledge and belief.

MADDOX & HOPKINS
By: _____

STATE OF MARYLAND — PAGE FILMORE HOPKINS — No 1585 — PROFESSIONAL ENGINEER & LAND SURVEYOR

Page Hopkins

GENERAL NOTES
1. All work in public right-of-way to be constructed in accordance with Montgomery County Road Construction Code and Standard Specifications.
2. No work in public right-of-way shall begin until appropriate permits have been obtained.
3. Radius of curb returns at intersections shall be 25 feet; All curb returns to be Std. 10-A curb.
4. 20-foot transitions from Std 10-A to Std. 10-C curb shall be provided at curb returns and/or inlets.
5. Driveways to be in accordance with Mont. Co. Std. 23- and appropriate specifications.
6. All unpaved areas within right of way and all backslopes shall be sodded.
7. Sidewalks required. Sec 93-11(e) Mont. Co. Rd. Code.
8. Storm Drainage details shown hereon are for information only. For construction, see Approved Storm Drain Plan #
9. No surfacing shall be started until all sodding and fine grading has been completed and inspected.
10. Zoning:

Sewerage Permit
4H-2A-0583
June 4, 1964

GENERAL NOTES
1. All storm drains shall be constructed in accordance with the specifications of the Washington Suburban Sanitary Commission, adopted September 30, 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 on this plan to be maintained by MONTGOMERY COUNTY, Md.

N

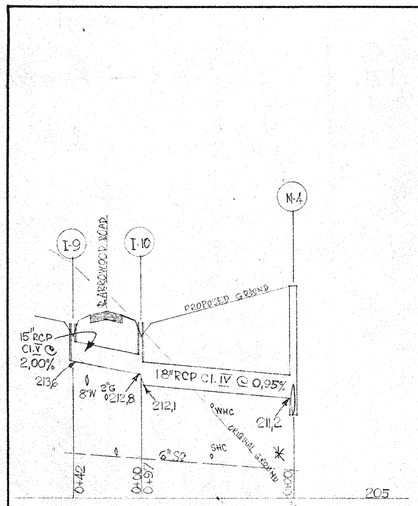
838

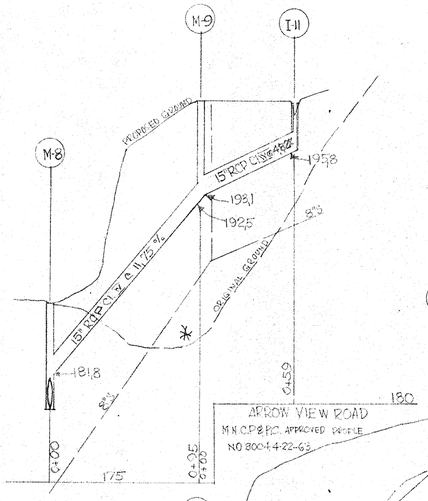
OWNER: ED JACOBSON, JR., INC. 8227 WOODMONT AVENUE BETHESDA, MARYLAND	M. & H. JOB No. 63 1855 63-1856	MADDOX & HOPKINS CIVIL ENGINEERS & LAND SURVEYORS 8316 DIXON AVE SILVER SPRING, MARYLAND JU8-3111	DATE: 19 Nov. 1963 DRAWN: D. Kerr DESIGN: A.G. CHECKED: SUB. FIN:	APPROVAL REQUESTED FOR: ARROWOOD ROAD - STA. 17+46.82 to 28+55.00 ARROWOOD COURT - STA. 0+00 to 6+41.47 ARROW VIEW ROAD - STA. 0+00 to 4+99.05	PAVING PLAN & STORM DRAIN BURNI... TREE ESTATES ...COUNTY, MARYLAND	SHEET No. 1 OF 2	SCALE 1" = 50'

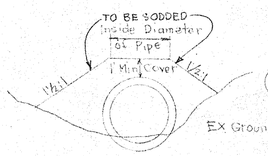
CE487-823-1

SD FILE NO. B38

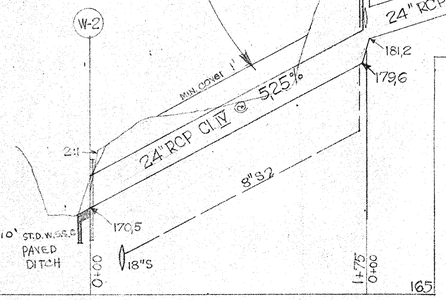
NOTE: CONTACT MR. LEE AP 77700 W.S.S.C. SYSTEM MAINTENANCE ENGINEER 48 HRS. IN ADVANCE OF EXCAVATING IN THE VICINITY OF WATER MAINS. BACKFILL TO BE MADE UNDER SUPERVISION OF W.S.S.C. M & O DIVISION.

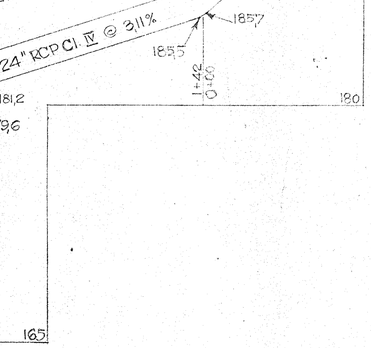


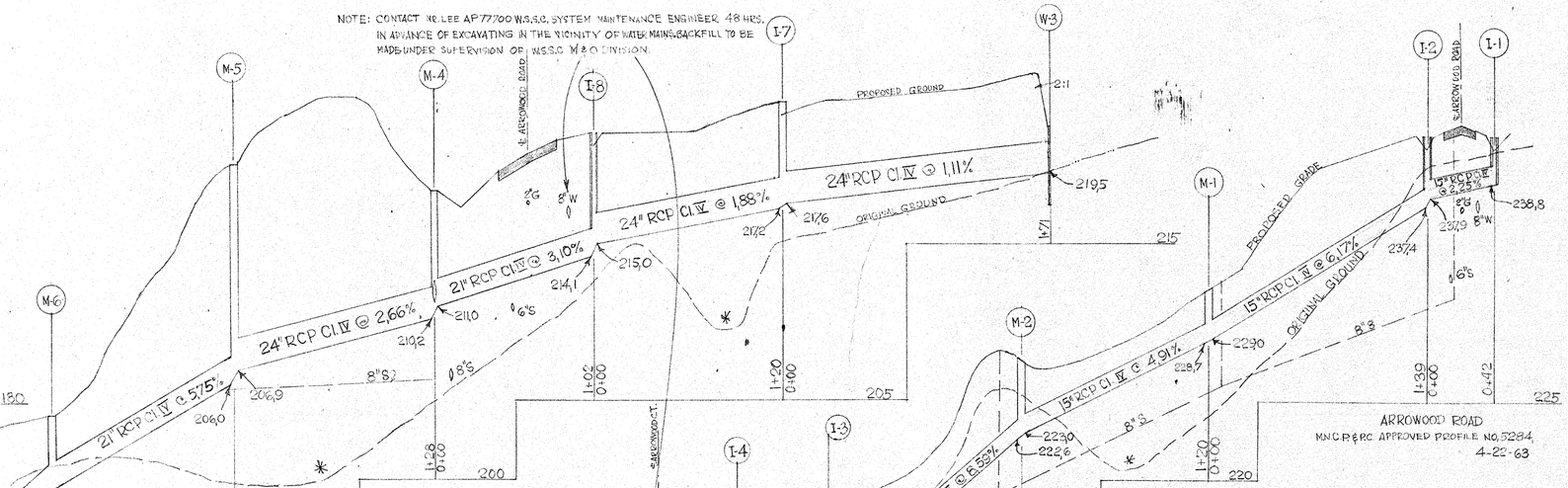




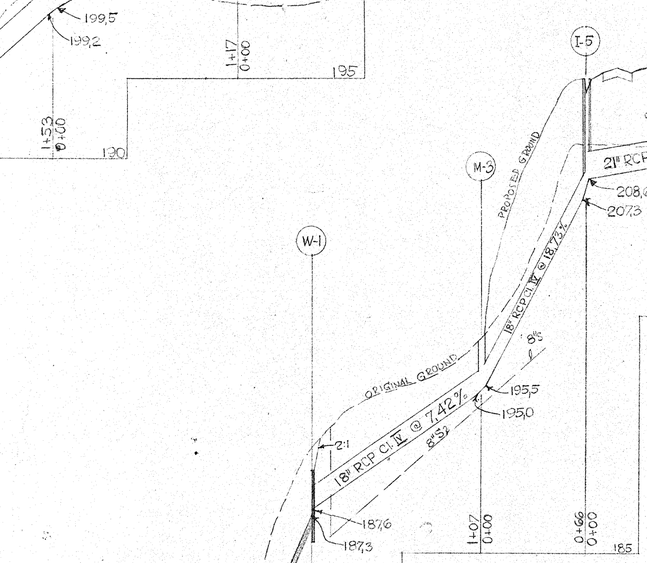
TYPICAL FILL SECTION
NO SCALE







ARROWOOD ROAD
M.N.C.P.&P.C. APPROVED PROFILE NO. 5284, 4-22-63



ARROWOOD COURT
M.N.C.P.&P.C. APPROVED PROFILE NO. 8006, 4-22-64

* NOTE:
BACKFILL AS NECESSARY WITH BANK-RUN GRAVEL TO PROVIDE FIRM BEARING

STRUCTURE SCHEDULE

NO.	TYPE		TOP EL.	NOTCH ELEV.		
I-1	J	INLET W GRATE		241.04	241.04	STD. S.R.C. DETAIL
I-2	"	"		241.04	241.04	" " "
I-3	"	"		214.62	214.62	" " "
I-4	"	"		214.10	214.10	" " "
I-5	"	"		214.10	214.10	" " "
I-7	B-48"	MANHOLE	224.0			STD W.S.S.C. DETAIL WITH 4" SLAB SIDE OPENINGS E & N
I-8	J	INLET N GRATE		224.97	221.41	STD. S.R.C. DETAIL
I-9	"	"		215.13	215.13	" " "
I-10	"	"		215.13	215.13	" " "
I-11	"	"		198.10	198.10	" " "
M-1	B-48"	MANHOLE	232.2			STD. W.S.S.C. DETAIL
M-2	"	"	227.5			" " "
M-3	"	"	198.7			" " "
M-4	"	"	218.96			" " "
M-5	B-48"	"	209.0			4" SLAB W. SIDE OPENING NE SIDE
M-6	B-48"	"	204.0			" " " " IN N SIDE
M-7	"	"	189.1			" " " " "
M-8	"	"	186.1			" " " " IN E SIDE
M-9	"	"	199.0			STD. W.S.S.C. DETAIL
W-1	END WALL					" " "
W-2	"					" " "
W-3	"					" " "

PIPE SCHEDULE

DIA	LINE	DEPTH	TYPE
15"	I-9 TO I-10	40'	RCP Cl. V
15"		560'	RCP Cl. IV
18"		262'	" "
21"		517'	" "
24"		751'	" "

S.D. # D-35, 64090 Y

WASHINGTON SUBURBAN SANITARY COMMISSION
APPROVED May 14, 1964
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.

John A. Marx
SENIOR DESIGNING ENGINEER

Wyatt Hopkins

STATE OF MARYLAND — PAGE FIELDING HOPKINS — No. 1550 — PROFESSIONAL ENGINEER & LAND SURVEYOR

838

OWNER: **ED. JACOBSON, JR. INC.**
8227 WOODMONT AVENUE
BETHESDA, MARYLAND

M. & H. JOB NO.
63 - 1855
63 - 1856

MADDOX & HOPKINS
CIVIL ENGINEERS & LAND SURVEYORS
8310 DIXON AVE
SILVER SPRING, MARYLAND
JU 8-3111

DATE: 3-1-1964
DRAWN:
DESIGN: A.Z.

PAVING PLAN & STORM DRAIN
BURNING TREE ESTATES
MONTGOMERY COUNTY, MARYLAND

SHEET NO. 2 OF 2

SCALE 1" = 50'

CE 487-823-2

SD FILE NO. 838

Maryland State Archives

TIE INTO PAVED DITCH TO BE CONSTRUCTED BY S.R.C.

TIE INTO PAVED DITCH TO BE CONSTRUCTED BY S.R.C.

CURVE DATA
Δ = 77°
R = 20'
T = 19.9'
Arc = 26.88'

ARROW VIEW ROAD

ARROWOOD COURT

ARROWOOD ROAD

END OF PAVING

EXISTING PAVING

TYPICAL SECTION

S.D.#D-35, 64090 Y

WASHINGTON SUBURBAN SANITARY COMMISSION
* APPROVED MAY 14, 1964
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Drew A. Mark
SENIOR DESIGNING ENGINEER
*Subject to issuance of permit by Maryland State Department of Health
* Subject to approval by S.R.C.

TO WHOM IT MAY CONCERN:
This is to certify that the drawings shown hereon are based on accurate field surveys to the best of my knowledge and belief.
MADDOX & HOPKINS
By: _____

STATE OF MARYLAND - PAGE FILMORE HOPKINS - No 1585 - PROFESSIONAL ENGINEER & LAND SURVEYOR

GENERAL NOTES
1. All work in public right-of-way to be constructed in accordance with Montgomery County Road Construction Code and Standard Specifications.
2. No work in public right-of-way shall begin until appropriate permits have been obtained.
3. Radius of curb returns at intersections shall be 25 feet; All curb returns to be Std. 10-A curb.
4. 20-foot transitions from Std 10-A to Std. 10-C curb shall be provided at curb returns and/or inlets.
5. Driveways to be in accordance with Mont. Co. Std. 23- and appropriate specifications.
6. All unpaved areas within right of way and all backslopes shall be sodded.
7. Sidewalks required. Sec 93-11(e) Mont. Co. Rd. Code.
8. Storm Drainage details shown hereon are for information only. For construction, see Approved Storm Drain Plan #
9. No surfacing shall be started until all sodding and fine grading has been completed and inspected.
10. Zoning:

Sewerage Permit 64-SH-0583 June 4, 1964

GENERAL NOTES
1. All storm drains shall be constructed in accordance with the specifications of the Washington Suburban Sanitary Commission, adopted September 30, 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 Comission before proceeding with construction.
4. All storm drainage construction on this plan to be maintained by MONTGOMERY COUNTY, Md.

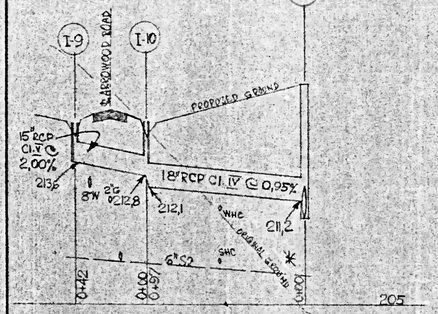
OWNER: ED JACOBSON, JR., INC. 8227 WOODMONT AVENUE BETHESDA, MARYLAND	M.&H. JOB No. 63-1855 63-1856	MADDOX & HOPKINS CIVIL ENGINEERS & LAND SURVEYORS SILVER SPRING, MARYLAND JU8-3111	DATE: 19 Nov. 1963 DRAWN: D. Kerr DESIGN: A.Z. CHECKED: SUB. FIN:	APPROVAL REQUESTED FOR: ARROWOOD ROAD - STA. 17+46.82 to 28+55.00 ARROWOOD COURT - STA. 0+00 to 6+41.47 ARROW VIEW ROAD - STA. 0+00 to 4+99.05	PAVING PLAN & STORM DRAIN BURNT TREE ESTATES MONTGOMERY COUNTY, MARYLAND

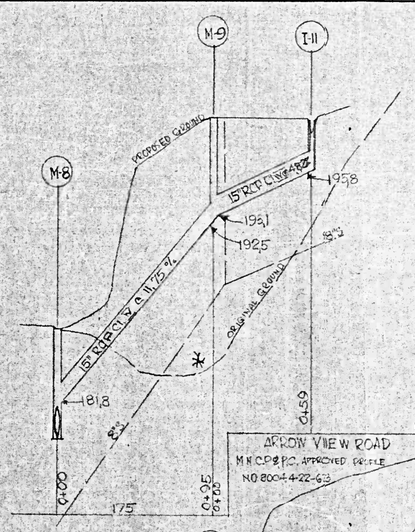
SHEET No. 1 OF 2 | SCALE 1" = 50'

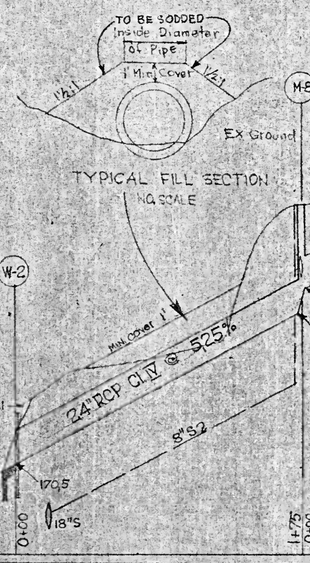
CE487-823-3

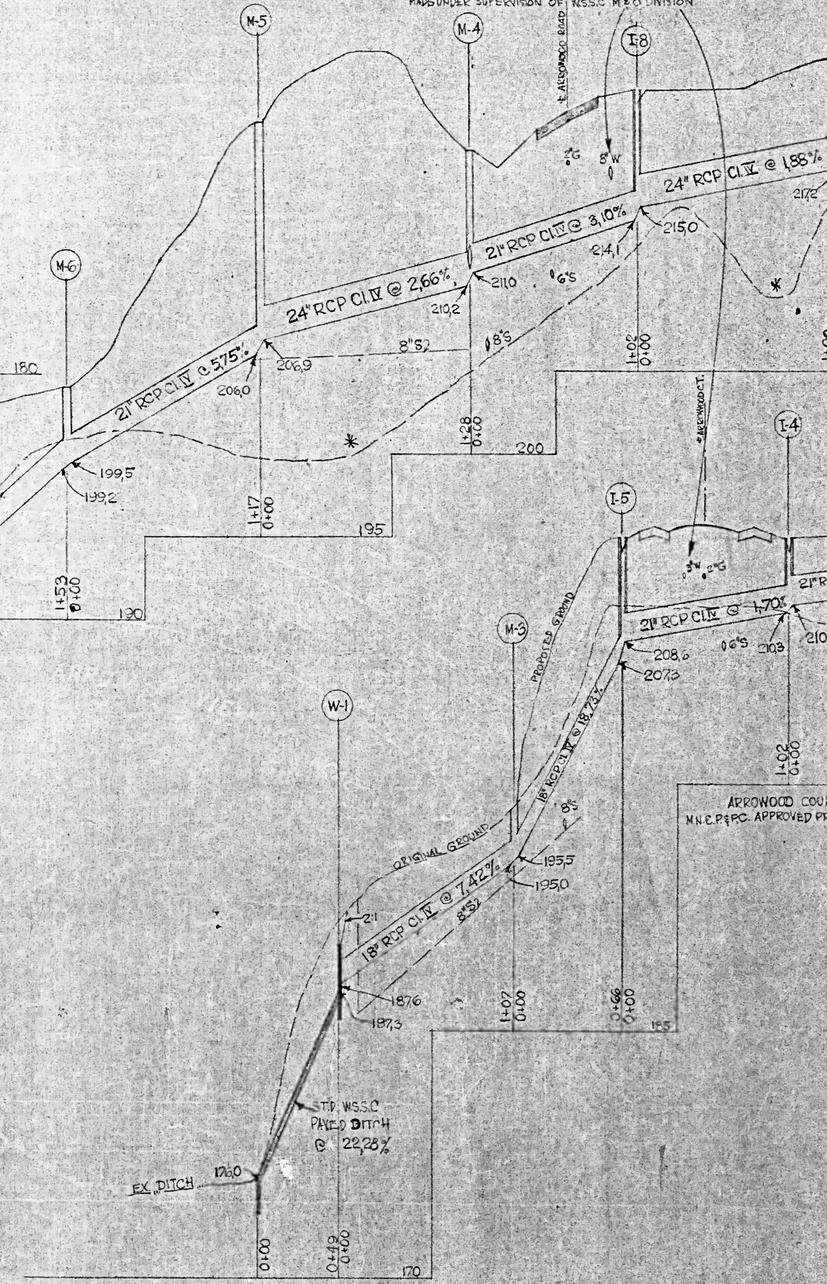
SD FILE NO. 838

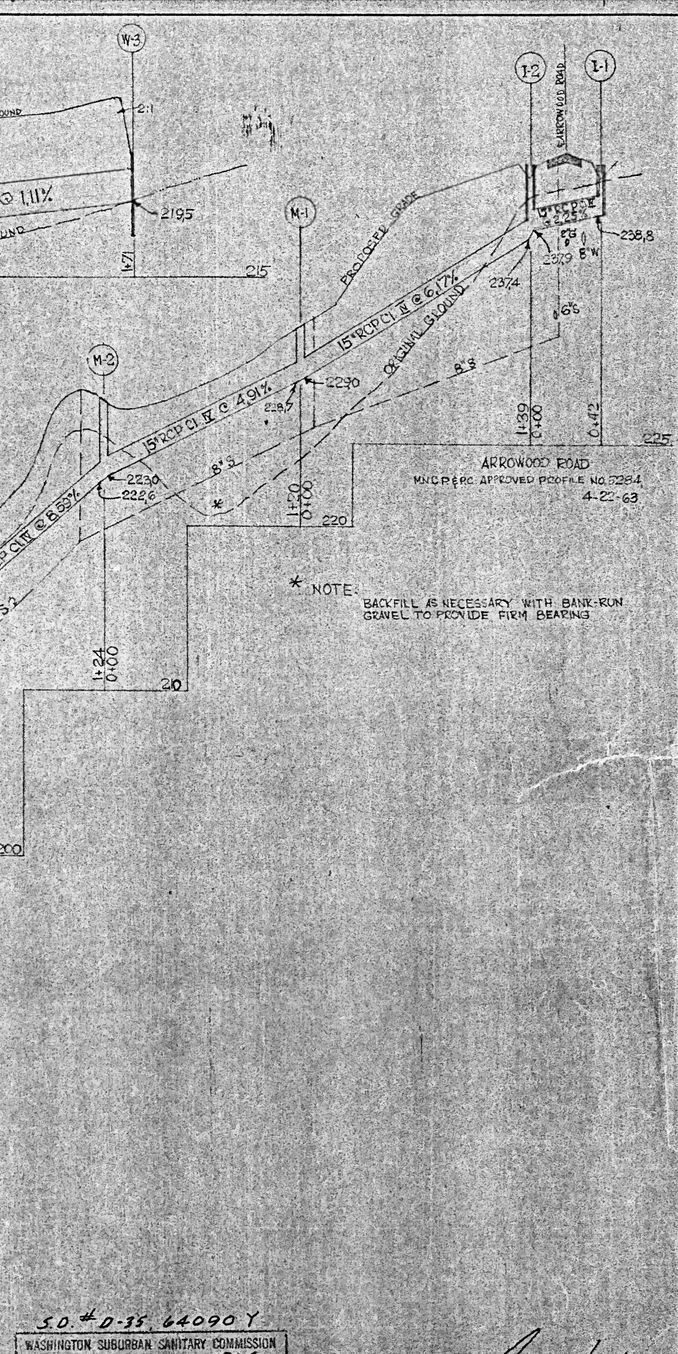
NOTE: CONTACT MR. LEE AP 77700 W.S.S.C. SYSTEM MAINTENANCE ENGINEER 48 HRS. IN ADVANCE OF EXCAVATING IN THE VICINITY OF MAIN. BACKFILL TO BE MADE UNDER SUPERVISION OF W.S.S.C. M & O DIVISION.











ARROWOOD ROAD
M.N.C.P.&P.C. APPROVED PROFILE NO. 5284
4-22-63

ARROWOOD COURT
M.N.C.P.&P.C. APPROVED PROFILE NO. 8006, 4-22-64

* NOTE:
BACKFILL AS NECESSARY WITH BANK-RUN GRAVEL TO PROVIDE FIRM BEARING

ARROW VIEW ROAD
M.N.C.P.&P.C. APPROVED PROFILE NO. 8004-4-22-63

STRUCTURE SCHEDULE						
NO	TYPE		TOP EL	NOTCH ELEV.		
I-1	J	INLET W. GRATE		241.04	241.04	STD. S.R.C. DETAIL
I-2	"	"		241.04	241.04	" " "
I-3	"	"		214.62	214.62	" " "
I-4	"	"		214.10	214.10	" " "
I-5	"	"		214.10	214.10	" " "
I-7	B-48	MANHOLE	224.0			STD. W.S.S.C. DETAIL WITH 4" SLAB SIDE OPENINGS E & N
I-8	J	INLET W. GRATE		220.97	221.41	STD. S.R.C. DETAIL E & N
I-9	"	"		215.13	215.13	" " "
I-10	"	"		215.13	215.13	" " "
I-11	"	"		198.10	198.10	" " "
M-1	B-48	MANHOLE	232.2			STD. W.S.S.C. DETAIL
M-2	"	"	227.5			" " "
M-3	"	"	198.7			" " "
M-4	"	"	218.96			" " "
M-5	B-48	"	220.0			4"S (18" W. SIDE OPENING E SIDE
M-6	B-48	"	204.0			" " " " IN S SIDE
M-7	"	"	189.1			" " " "
M-8	"	"	186.1			" " " " IN E SIDE
M-9	"	"	199.0			STD. W.S.S.C. DETAIL
W-1	END WALL					" " "
W-2	"					" " "
W-3	"					" " "

PIPE SCHEDULE			
DIA	LINE	LNTH	TYPE
15"	I-9 TO I-10	40'	RCP Cl. V
15"		560'	RCP Cl. IV
18"		262'	" "
21"		517'	" "
24"		721'	" "

S.D. # D-35 64090 Y

WASHINGTON SUBURBAN SANITARY COMMISSION
APPROVED May 14, 1964
FOR STORM DRAINS ONLY

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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 C. Mark
SENIOR DESIGNING ENGINEER

STATE OF MARYLAND — PAUL H. HOPKINS — No. 1555 — PROFESSIONAL ENGINEER & LAND SURVEYOR

OWNER: **ED. JACOBSON, JR. INC.**
8227 WOODMONT AVENUE
BETHESDA, MARYLAND

M. & H. JOB NO.
63-1855
63-1856

MADDOX & HOPKINS
CIVIL ENGINEERS & LAND SURVEYORS
8310 DIXON AVE.
SILVER SPRING, MARYLAND
JU 8-3111

DATE: 3-1-1964
DRAWN:
DESIGN: A.Z.

PAVING PLAN & STORM DRAIN
BURNING TREE ESTATES
MONTGOMERY COUNTY, MARYLAND

SHEET NO. 2 OF 2
SCALE 1" = 50'

CE487-823-4

SD FILE NO. 838