STORM DRAINAGE GENERAL NOTES

1. All storm drains shall be constructed in accordance with the latest edition of the General Specifications of the Washington Suburban Sanitary Commission.
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 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 inlets are to be placed 3' off curb fillets unless otherwise shown.
5. Storm drainage shown on this plan shall be maintained by Montgomery City.

STATE OF MARYLAND — JOHN D. EMLEN — No. 4218 — REGISTERED PROFESSIONAL ENGINEER

GREENLEAF AVENUE — VAN GOGH COURT — RAPHAEL COURT — RENOIR COURT — GOYA DRIVE

Ex 16"G2 — 6"P for Gas Co — 15"RCP — 18"RCP — Ex 15"RCP CL IV — Ex 21"RCP CL II — Ex 27"RCP CL II — Ex 18"RCP CL II — Ex 15"RCP CL II — Ex 8"S — Ex 6"W — 6"S — 6"W — 8"S — 8"W — 3"W — 3"S

REMOVE BRICK FROM THROAT — REMOVE brick & CONNECT TO EX. 15"RCP STUB — Connect to Ex. Manhole — Correct alignment & grade of 21" RCP

Ex. Pav. — Ex. Curb — Ex. Gutter — Ex. Sidewalk — Ex. Grade — Ex. Top of Bank

STRUCTURE SCHEDULE

	N°	TYPE	Top of Conc. Lower	Top of Conc. Upper	REMARKS
EX.	I-1	A-5 Inlet	350.71	350.95	W = 2'-6"
	I-2	B-20 "	358.99	360.69	W = 2'-6"
	I-3	B-20 "	349.51	350.37	W = 4'-3"
EX	M-1	B-Manhole	336.90		48" Sq.
EX.	I-4	B-20 Inlet	334.78	334.81	W = 3'-0"
EX.	I-5	B-10 Inlet	333.45	333.54	W = 3.0"
EX.	I-6	B-10 Inlet	333.54	333.65	W = 2'-6"
EX.	W-1	Cut-off Wall	-	-	Temporary

PIPE SCHEDULE

	SIZE	TYPE	LENGTH
EX	30"RCP	Cl. III	8'
EX.	27"RCP	Cl. III	132'
EX	18"RCP	Cl. III	270'
EX.	15"RCP	Cl. III	10'
EX.	15"RCP	Cl. II	32'
	15"RCP	Cl. IV	151'
	18"RCP	Cl. IV	69'

SEWAGE PERMIT # 65-20-1105 9-2-65

MONTGOMERY COUNTY MARYLAND DEPARTMENT OF PUBLIC WORKS — FINAL APPROVAL — DATE ____ 1965 — BY ____

* SUBJECT TO DEDICATION OF RIGHT OF WAY AND EASEMENTS AS SHOWN ON PLAT

SD# D-37, 65157-Y — WASHINGTON SUBURBAN SANITARY COMMISSION — *APPROVED August 12, 1965 — FOR STORM DRAINS ONLY

SUBJECT TO PRIOR INSTALLATION OF WATER & SEWER AND PAVEMENT 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 THE DRAINAGE AREA. THIS COMMISSION ASSUMES NO RESPONSIBILITY WHATSOEVER FOR ANY DAMAGE WHICH MAY BE CAUSED TO ANY PROPERTY OWNERS, OR TO OWNERS DOWNSTREAM, BY REASON OF THE INSTALLATION OF THE DRAINAGE STRUCTURES SHOWN HEREON.

John A. Mark — SENIOR DEVELOPMENT ENGINEER

* Structures I-2 & I-3 & connecting pipes

SD# D-36 64245Y — WASHINGTON SUBURBAN SANITARY COMMISSION — *APPROVED Oct. 27, 1964 — FOR STORM DRAINS ONLY

SUBJECT TO PRIOR INSTALLATION OF WATER & SEWER AND PAVEMENT 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.

John A. Mark — SENIOR DEVELOPMENT ENGINEER

*Subject to issuance of permit by Maryland State Department of Health

Profile Scale Horizontal 1"=50' Vertical 1"=5'

ORIGINAL GROUND — PROP GRADE — 15"RCP CL IV @ 7.12% — FILL WITH BANKRUN GRAVEL TO PROVIDE FIRM BEARING — LINE A-A — MATCH — 16"G — 12"S — 355 — 355.4 — 346.5 — 345.00 — 345 — 340 — 335 — 330 — 325 — 320

VAN GOGH COURT
M.N.C.P.&P.C. APPROVED PROFILE NO. 8546, 1-18-65

Ex Grade — 18"RCP CL IV @ 4.41% — 346.5 — 341.96 — 338.00 — CONNECT TO EX. 18"RCP — 6'S — 2.31 — 0+0 — E1. 335 — 8'S — 1.93 — 0+19 — E1. 320

GREENLEAF AVE.
M.N.C.P.&P.C. APPROVED PROFILE NO. 7860, 12-10-62, 1-15-63

Minimum Cover — Ex 8"S @ 6.00% — Ex 6"W @ 6.00% — Ex 18"RCP @ 4.41% Cl. II — Ex 15"RCP @ 2.00% Cl. II — Ex 15"RCP @ 0.60% Cl. II — Ex 30" RCP @ 0.70% Cl. II — 15"RCP @ 2.50% Cl. II — 30"RCP @ 0.70% Cl. II — 15"RCP Cl. IV @ 2.50% — 18"RCP @ 2.21% Cl. IV — PROP GRADE — Proposed grade — Ex. grade — REMOVE BRICKS & CONNECT TO EX. 15" RCP STUB — GREENLEAF AVE. — 332.76 — 332.50 — 331.20 — 330.00 — 329.20 — 328.84 — 328.37 — 328.2 — 330.37 — 330.15 — 347.00 — 346.75 — 342.16 — 339.0 — 338.0 — E1. 340 — E1. 320

D.T.P. 89.778 — E1.322.47 — R.R. spike in S.W. side C&P pole #M-1090C on N.E. side Goya Drive @ Van Dyck Court

D.T.P. 89.779 — E1.333.59 — R.R. spike in S.W. side C&P pole #M-1090D on N.E. side Goya Drive @ Greenleaf Avenue

D.T.P. 104 — E1.304.14 — N.W. 24" twin tree on S.W. side Goya Drive @ Reynolds Avenue

Sod — 2:1 Min — 2'-0" — DITCH INTO W-1 (Temporary) — No Scale

SD FILE NO. 948

CE487-931-1

DRAWN / TRACED / CHECKED / EXAMINED / ...TED		DATE: AUG. 1964 — DESIGN: J.D.E. — DRAWN: A.H. & J.F.	MADDOX & HOPKINS ORDER NO. 64-1157, 65-840	DEVELOPER: O.F. SMITH & BROS. CO. INC. — 4800 MONTGOMERY LANE — BETHESDA 14, MARYLAND	MADDOX & HOPKINS — CIVIL ENGINEERS & SURVEYORS — SILVER SPRING, MARYLAND — JU 8-3111	SEVEN LOCKS DISTRICT — STORM DRAIN — WILLERBURN ACRES — GREENLEAF AVENUE, & VAN GOGH COURT	SHEET NO. 1 OF 1 — SCALE 1" = 50'