DESIGN DATA

Ex. Zoning	Acres	Persons/Ac	Total Persons
R-10	23.6	12.0	283
R-20	24.2	8.0	678
R-40	213.2	4.0	850
B.R.	3.2	12.0	36
M.L.	38.8	9.0	344
Expressway Park	24.8	–	–
	0.1	–	–
Total	398.0		2211

Average Flow = 2211 x 75 gpm = 0.16
Peak Flows = = 0.670
Infiltration = 398 x 800 = 0.318
M.L. (38.8 x 3000) = 0.114
Total = 1.268 mgd

D = 0.013
8" @ 2.04%
10" @ 0.8 %
12" @ 0.5 %

Jones Falls Realty
41/40 - 118
Acct. No. 10509

Warren B. Sayman
1405 - 274

Warren B. Sayman
1479 - 60

Sewer Area 9-S-10-S
Contract # 220 22

"The contents of these prints shall be [illegible] to mean that [illegible] to notify the Contractor of [illegible] that [illegible] to the Engineer of the Engineer's Cover."

"Connection of the sewer to the existing sewer shall not be made until final inspection and installation test has been successfully completed."

Replacement Section

Obstructions shown on this drawing are for the convenience of the Contractor only. The County does not warrant or guarantee the correctness or the completeness of the information given. The Contractor must verify all such information to his own satisfaction.

Contractor - Please notify Baltimore Gas & Electric Co. LE. 9-8000, Ext. 691 at least three days before starting work shown on this drawing.

All construction will be accomplished in accordance with Baltimore County Standard Details, Dated 1955

The Contractor is to excavate for location and depth of existing main before laying any pipe.

Bell Telephone System
Underground Cables in this Area
Before Starting Work
Call Collect At Any Time
LE 9-9900 Extension 649
For Telephone Company Representative

LOCATION & DRAINAGE MAP
Scale: 1" = 1250'

PLAN
Scale: 1" = 50'

BENCH MARK DATA
B.C.M.D. B.M. No. X-3925; Elev. 250.54'
⅛" Iron Bar Edge of Paving East Side
Falls Road At Old Pimlico Road

DETAIL OF SANITARY SEWER THRU EXISTING CONC. BOX CULVERT (Top Slab Removed)
Scale: 1" = 20'

DETAIL "A"
Scale: 1" = 5'
Along 10' Drainage & Utility Easement

PROFILE
Scale: Horiz. 1" = 50'
Vert. 1" = 5'
Along Old Pimlico Road — Across Falls Road

PWA 36404

Road Permit and Grades:
Permit Requested
Permit Number
Grade Established
Profile Number

Date Right of Way Rep.

Reg. No. 4447 — Designed — Drawn — Checked
Date

Department of Public Works
Approved [signature] Director & Chief Sanitary Engineer
Date 5/13/64

Bureau of Engineering
Approved [signature] Chief
Date 5/6/64

	Storm Drains	Water	Sewer	Highways	Structures	Field Location
	[signature]	[signature]	[signature]	[signature]	[signature]	[signature]
	5-2-64	5-6-64	5/2/64	5/5/64	5/6/64	5/10/64

Baltimore County — Department of Public Works — Bureau of Engineering

10" & 12" Sanitary Sewer
Old Pimlico Road
From Falls Rd. Southwesterly 305'
Along Hills

Along 10' Right-of-Way
From Falls Road Northeasterly 578'
Election District 1-9

Scale	Key Sheet	Sheet	
As Shown	"O" NE	No. 1	J.O. 1-1-1681
	Position Sheet 24 NW 8 / 24 NW 9	of 1	C4-094-1
			File: A-10

8-12-68 — Removed Area Change — C.M.H.
Date — Revision — By
Drawing Completed

MICROFILMED

919-4

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NORTHERN CENTRAL
DISTRIBUTION CENTER
R.R.G. 29 FOLIO 128

NUMBER OF HOUSE CONNECTIONS - 0

BARE HILLS AVE.
SHOEMAKER ROAD
FALLS ROAD
OLD PIMLICO ROAD
NEW PIMLICO ROAD
HARTWOOD DRIVE

CARROLL MITCHEL
T.B.S. 683 FOLIO 562
ACCT. Nº 58975

FRANCIS M. NIELD
G.L.B. 2536 FOLIO 234
ACCT. Nº 40450

MARVIN H. SCHAM
G.L.B. 2572 FOLIO 433
ACCT. Nº 10875

MARVIN H. SCHAM
G.L.B. 3342 FOLIO 291
ACCT. Nº 10876

ZONE MARKING CO. INC.
W.J.R. 3581 FOLIO 371
ACCT. Nº 65060

FREDERICK H. KLAUNBERG
W.J.R. 3615 FOLIO 87
ACCT. Nº 48100

FREDERICK H. KLAUNBERG
W.J.R. 3781
FOLIO 240
ACCT. Nº 48100

WARREN B. SAYMAN
R.R.G. 4175 FOLIO 26
ACCT. Nº 151

EXISTING 12" SANITARY
J.O. 64-094-MATZ, CHILDS

ONE STORY BLOCK BLDG. F.F. 318.6

TWO STORY BLOCK BUILDING F.F. 306.7

1½ STORY BLOCK & FRAME BLDG. F.E. 331.8

1½ STORY BLOCK, STONE & FRAME BLDG. C.E. 326.8

FRAME BLDG.

KENNELS F.F. 322.4

STONE TANK

POOL

CONC. WALL

WIRE FENCE

FENCE

STONE WALL

EXISTING DRIVE

EXIST. M.H.

POST & RAIL FENCE

POLE

ADV. SIGN.

FALLS HEDGE

EXISTING 24"D

EXISTING 22"X34"D

EXISTING 8" WATER MAIN

EXISTING 16" WATER MAIN

EXISTING 24" C.M.P.

EXISTING 36" C.M.P.

WEST EDGE CONC. SHOULDER

CONC. VALLEY GUTTER

GUARD RAIL

STONE WALL

EXISTING PAVING

EXISTING EDGE PAVING

PROP. 8" SANITARY 178.25'

PROP. 8" SAN.

PROP. 12" SAN

8" SAN. SEE DRWG. Nº 64-548-A-10

UTILITY EASEMENT

RIGHT OF WAY

EASEMENT AREA FOR OUTFALL DITCH S.R.C. PLAT Nº 2506

CONCRETE ENCASEMENT

10' UTILITY EASEMENT

EXIST. 30" C.M.P.

EXIST. 12" W.M.

EXIST. 8" W.M.

EXIST. 8" SAN.

EXIST. 8" STREAM

TOP BANK

TOE OF SLOPE

M.H. 34840

M.H. 34841

M.H. 34838

M.H. 34839

M.H. 34836

M.H. 34837

M.H. 34837 A

EXIST. M.H. 33711

EXIST. M.H. 34066

M.H. 34836 A

PLAN
SCALE 1" = 50'

FULL TRENCH COMPACTION

F.F. WEST 322.4

F.F. WEST 318.6

EXISTING GROUND @ ℄ PIPE

8" SEWER @ 4.12%

8" SEWER @ 7.68%

8" SEWER @ 2.40%

8" SEWER @ 25.37%

8" SEWER @ 9.48%

8" SEWER @ 0.60%

EXISTING 16" WATER

TYPE "B" DROP CONNECTION

TYPE "B" PROP. CONNECTION

INV. 36"D

INV. DITCH

EXISTING 12" C.M.P.R. @ 3.00%

ALONG S.R.C. EASEMENT

ALONG UTILITY EASEMENT

NEW PIMLICO RD.

OLD PIMLICO ROAD

CLARKVIEW ROAD

WALNUT AVE.

COPPER HILL RD.

BRENDWICKE RD.

VICINITY MAP
SCALE 1" = 500'
B.C.M.D. B.M. N2X-3925
ELEV. 250.54
⅞" IRON BAR IN EDGE OF PAVING EAST SIDE OF FALLS ROAD AT OLD PIMLICO ROAD.

CONTRACTOR-NOTIFY THE FOLLOWING UTILITIES AT LEAST THREE DAYS BEFORE STARTING WORK SHOWN ON THIS DRAWING:
BELL TELEPHONE SYSTEM-539-2300 Ext. 649
LONG DISTANCE CABLE DIV.-539-2900 Ext. 553, 554
BALTIMORE GAS & ELECTRIC CO. 539-8000 Ext. 691

NOTE:- EXCAVATE FOR END OF EXISTING 8" SEWER AND VERIFY LINE AND GRADE BEFORE LAYING PIPE ABOVE M.H. 36840.

SEWER AREA 9-5 10-5
CHARGE $200.00 per ac. $220.00
EFFECTIVE DATE

P.W.A. #36405

STATE OF MARYLAND — JOSEPH S. THOMPSON — No. 1150 — PROFESSIONAL ENGINEER & LAND SURVEYOR

SRC Permit 39-4136

PROFILE SCALES {HORZ. 1" = 50' VERT. 1" = 5'

MICROFILMED

ROAD PERMIT AND GRADES	
PERMIT REQUESTED	
PERMIT NUMBER	
GRADE ESTABLISHED	
PROFILE NUMBER	

DATE	RIGHT OF WAY REF.
7/1/64	7W 64-240

ENGINEER Joseph S. Thompson
REG. NO. 1150 DESIGNED J.D.T.
DRAWN
CHECKED
DATE 4/1/65
RETURN TO W.H. PRIMROSE

DEPARTMENT OF PUBLIC WORKS
APPROVED Wendell H. Hitchcock DIRECTOR & CHIEF SANITARY ENGINEER
DATE 4/1/65

BUREAU OF ENGINEERING
APPROVED Samuel H. Rines CHIEF
DATE 3/31/65

STORM DRAINS	WATER	SEWER	HIGHWAYS	STRUCTURES	FIELD LOCATION
OMX	OMX	OMX	OMX		J.W.Y.
3-25-65				3/30/65	5/24/65

BALTIMORE COUNTY DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

FALLS ROAD
BARE HILLS

12" & 8" SANITARY SEWER
FROM A POINT 45' NORTH OF SHOEMAKER RD. TO OUTFALL M.H.# 33711 IN OLD PIMLICO ROAD.

3RD ELECT. DISTRICT

SCALE	KEY SHEET	SHEET
AS SHOWN	"O" N.E.	NO. 1
	POSITION SHEET 32 N.W. 9 / 33 N.W. 9	OF 1

1-1-1896
J.O. 11-1665
65-137
FILE: A-10

968-8-8A

A-17-64 Changed & Drawn to Conform to F-20-62 (Revised As Per Record Print) — 7/1/64 — DATE — REVISION — BY

DRAWING COMPLETED

Replacement Secation

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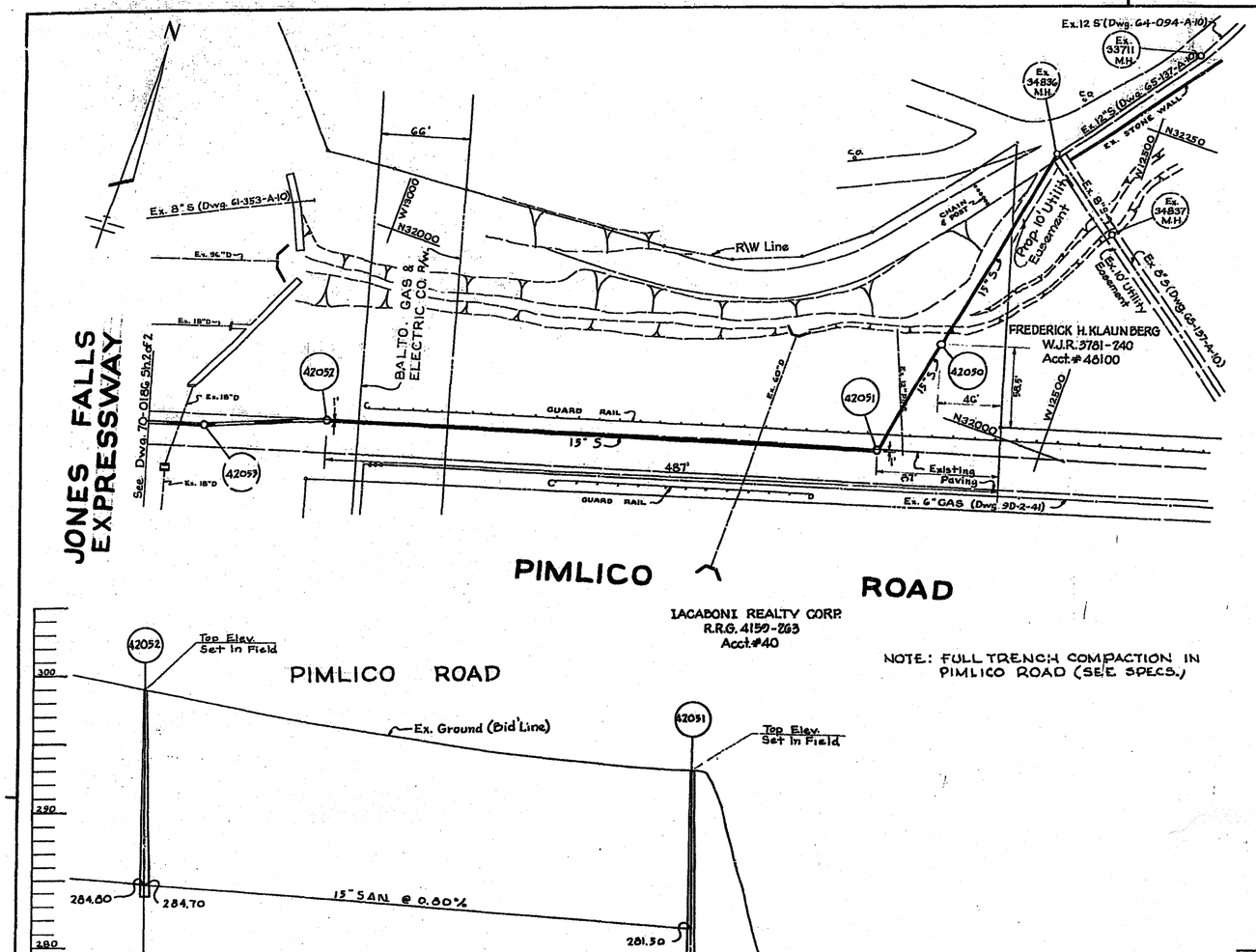
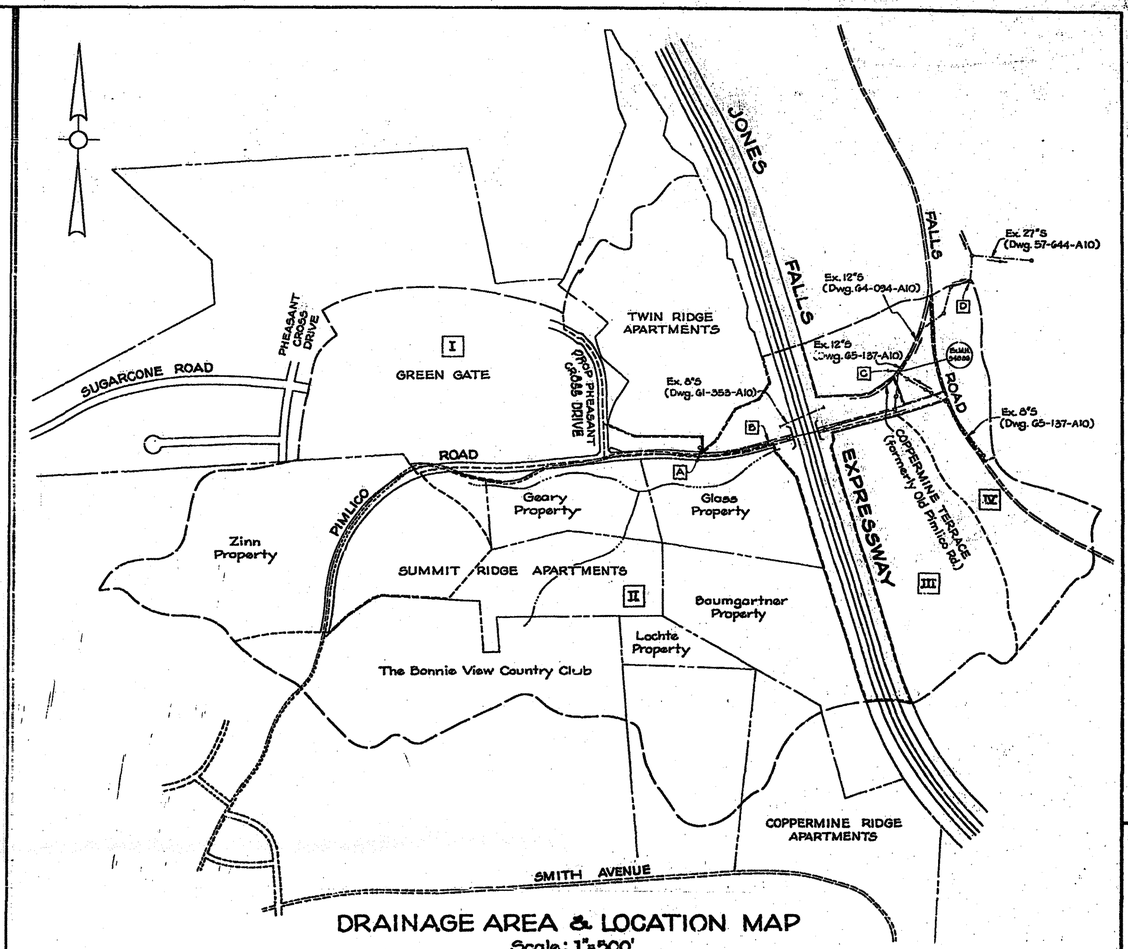


NOTE: FULL TRENCH COMPACTION IN PIMLICO ROAD (SEE SPECS.)



DRAINAGE AREA & LOCATION MAP
Scale: 1"=500'

THE DEVELOPER WILL PLACE ROADS TO SUB-GRADE FOR THE FULL WIDTH OF THE RIGHT OF WAY BEFORE INSTALLATIONS OF UTILITIES

THE CONTRACTOR IS TO EXCAVATE FOR LOCATION AND DEPTH OF EXISTING MAINS BEFORE LAYING ANY PIPE

The developer shall accomplish all grading within easement areas where utilities are to be installed before notice to proceed will be issued.

CONTRACTOR:
Notify the following utilities at least three days before starting work shown on this/these drawing
B-t Telephone System 393-3649 Ext.649
Long Distance Cable Div. 393-3389 or 3864
Baltimore Gas & Electric Co. 234-5691

AREA 45-B
CHARGE $200
EFFECTIVE DAT 2/1/64

TABLE I
Population Data Using Probable Ultimate Zoning

Area	Description	Zoning	Acres	No. of Units or Lots	Density	No. Persons
Area I	Greengate	R-20	55.5	112	2.5/Lot	596
	Twin Ridge	R-A	40.4	724	3.0/Unit	2,172
	Zinn&Summit R.	R-A	52.5	640	3.0/Unit	2,520
			148.4			5,088
Area II	Total Area	R-A	143.0	2,255	3.0/Unit	6,864
Area III	Jones Falls Expwy	M-L	32.9	–	9/Acre	305
		–	24.6	–	–	–
			58.5			305
Area IV	–	M-L	26.9	–	9/Acre	242
	–	B-R	3.9	–	12/Acre	47
	Park	–	0.1	–	–	–
			38.9			289

TABLE II
Design Data Using Probable Ultimate Population

Point	Area	Acres	Population (See Table I above)	Non-Domestic Avg. Flow @ 3000 G.A.D.	Avg. Flow @ 90 G.P.D.	Peak Flow	Infiltration @ 600 Gal./Ac./Day	Design Flow	Pipe n=.013 Size	Grade	Velocity
A	I	148.4	5,088	–	0.457 M.G.D.	1.54 M.G.D.	0.119 M.G.D.	1.66 M.G.D.	18"	1.00%	3.3
B	I,II	291.4	11,952	–	1.076 "	3.55 "	0.233 "	3.80 "	18"	5.72%	8.6
C	I,II,III	340.9	12,257	0.102 M.G.D.	1.105 "	3.70 "	0.280 "	3.98 "	15"	0.90%	3.0
D	I,II,III,IV	383.5	12,546	0.152 "	1.150 "	4.00 "	0.311 "	4.31 "	18"	0.43%	2.7

CITY OF BALTIMORE

DIRECTOR DEPT. OF PUBLIC WORKS — DATE — CHIEF, WATER DIV. BUREAU OF ENGINEERING — DATE

DATE	RIGHT OF WAY	REF.	ROAD PERMIT AND GRADES	P. W. A. DIR. NO.	CONTRACT NO.
			PERMIT REQUESTED	96805	
			PERMIT NUMBER		
			GRADE ESTABLISHED		
			PROFILE NUMBER		

REVISED AS PER RECORD PRINT

J.O.	DRAFTSMAN	DATE
1-1-2566	E. Thompson	6-3-71

SEAL

DESIGNED W.F.G.	MATZ, CHILDS & ASSOC.	BUREAU OF ENGINEERING	HIGHWAYS	STRUCTURES	STORM DRAINS	WATER	SEWER	FIELD ENGINEER
DRAWN J.W.R.	ENGINEER Wilson F. Gatz	REVIEWED	Brick			BMR		J.W.V.
CHECKED W.F.G.	DATE 2/9/70 LIC. NO. 4500	DATE	4/2/70			4/2/70		4-2-70

BUREAU OF ENGINEERING — APPROVED Solomon H. Disney CHIEF — DATE 4/2/70

DEPARTMENT OF PUBLIC WORKS — APPROVED Albert M. Stanford DIRECTOR — DATE 4/2/70

LEVEL BK.	KEY SHEET
	ONE
DETAIL BK.	POSITION SHEET
	32 NW 9

DATE	REVISION	BY

SCALE — PLAN: 1"=50' — PROFILE: HOR. 1"=50' VERT. 1"=5'

BALTIMORE COUNTY DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

8" & 15" SEWER

PIMLICO ROAD & EASEMENT NORTH OF

610'± EAST & 745'± WEST OF JONES FALLS EXPRESSWAY

SUBDIVISION TWIN RIDGE APARTMENTS — EL. DISTRICT NO. 3

BALTIMORE COUNTY TYPE NUMBER 1

MICROFILMED

70090-SD2

JOB ORDER NO.	1-1-2566
SHEET	1 OF 2
DWG. NO.	70-0185
FILE:	1

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