STORM DRAIN 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 Standard Storm Drainage Details of the Washington Suburban Sanitary Commission 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 utilitie crossings well in advance of trenching. If clearances are less than shown on plans or 6" (six inches), whichever is less, contact the Storm Drain Section at W.S.S.C. before proceeding with construction.

4. Have developer set all property pipes necessary to stake out this construction.

5. All storm drainage shown on this plan to be maintained by Montgomery County.

6. All inlets situated at intersections to be 3.00' uphill from P.C. of Curb Fillet.

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 back-slopes to be sodded.

4. All pavining fillet radii shall be 25', use Montgomery County standard type 10-A curb and gutter with 20' transitions at the intersections.

5. Montgomery County Std. 23-B residential driveway will be built at each lot at the direction of the Engineer or the owners.

6. Bench Marks:

SD# D-37, 65227-Y

WASHINGTON SUBURBAN SANITARY COMMISSION

*APPROVED NOV. 2, 1965

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.

John A. Marx
SENIOR DESIGNING ENGINEER

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

Feb. 15, 65

Congress Dr. From Ex. Pav. To N. Line Lot 3 Bk. 21.
Dowlais Dr. From Congress Dr. To S.W. Lot 2 Bk. 30 Castaway Dr.
From Dowlais Dr. to W. Line Lot 2 Bk. 30
Dowlais Dr. From Lot 2 Block 30 To Lot 8 Block 30, Castaway Dr. Lot 2 Block 30 To Lot 25 Block 30 & Shippers Lane. 8-25-65

PRELIMINARY STORM DRAIN PLAN

This plan is satisfactory as to storm drainage design subject to revisions necessary to coordinate with other utilities. The plan must be completed and submitted to W.S.S.C. for approval prior to construction after water and sewer plans are completed.

1/25/65 John A. Marx
Date Senior Designing Engineer

Structures 1 & 2 and 160' of pipe North of structure 2

Note: 2" Surface Course shall not be placed until all fine grading is complete.

TYPICAL PAVING SECTION

No Scale

CE487-903-1

STATE OF MARYLAND · RODNEY LOUIS HANSON · No. 3084 REGISTERED · LAND SURVEYOR

Rodney L. Hanson

914

SD FILE NO. 919

PAVING & DRAINAGE PLAN

BEL-PRE FOREST

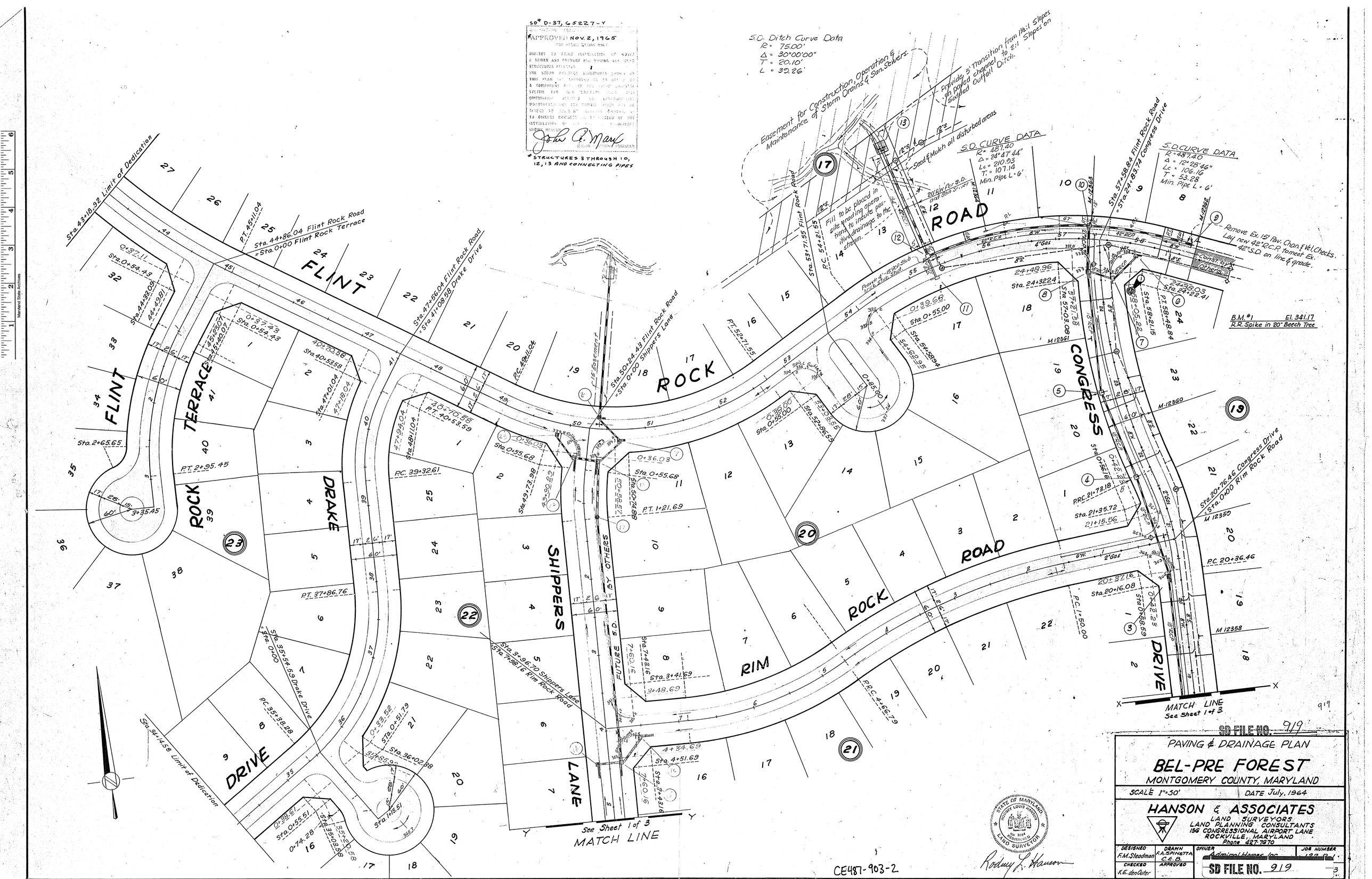
MONTGOMERY COUNTY, MARYLAND

SCALE 1"=50' DATE July, 1964

HANSON & ASSOCIATES
LAND SURVEYORS
LAND PLANNING CONSULTANTS
156 CONGRESSIONAL AIRPORT LANE
ROCKVILLE, MARYLAND
Phone 427-7670

DESIGNED	DRAWN	OWNER	JOB NUMBER
F.M. Steadman	F.A. Spinetta C.E.B.	Adm... Box 4... Rockv...	
CHECKED	APPROVED		
K.E. den Outer			

SD FILE NO. 919



SD# D-37, 65227-Y
APPROVED NOV. 2, 1965
FOR STORM DRAINS ONLY
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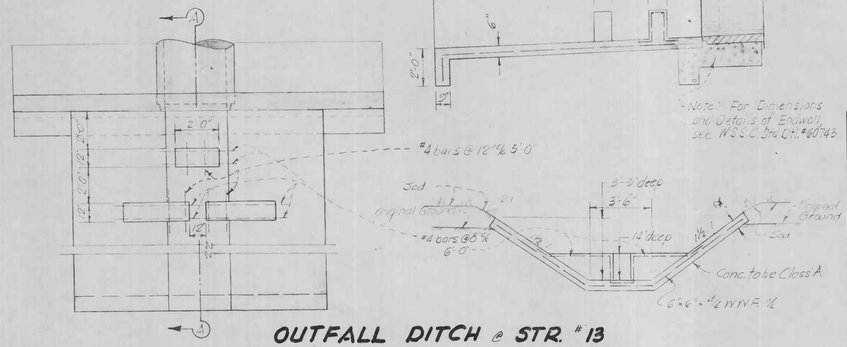
John A. Marx
SENIOR ENGINEER
* STRUCTURES 3 THROUGH 10, 12, 13 AND CONNECTING PIPES
S.D. Ditch Curve Data
R = 75.00'
Δ = 30°00'00"
T = 20.10'
L = 39.26'
Easement for Construction, Operation & Maintenance of Storm Drains & San. Sewers.
Provide 5' Transition from 1½:1 Slopes on paved channel to 2:1 Slopes on Sodded Outfall Ditch.
Seed & Mulch all disturbed areas
S.D. CURVE DATA
R = 487.40
Δ = 24°47'44"
Lc = 210.93
T = 107.14
Min. Pipe L = 6'
S.D. CURVE DATA
R = 487.40
Δ = 12°28'46"
Lc = 106.16
T = 53.28
Min. Pipe L = 6'
Fill to be placed in site grading operations to insure positive drainage to the stream.
Remove Ex. 15' Pav. Chan. & Vel. Checks. Lay new 42" R.C.P. to meet Ex. 42" S.D. on line & grade.
B.M. #1 El. 341.17
R.R. Spike in 20" Beech Tree
Sta. 43+18.92 Limit of Dedication
Sta. 44+86.04 Flint Rock Road = Sta. 0+00 Flint Rock Terrace
Sta. 47+56.04 Flint Rock Road = Sta. 41+08.58 Drake Drive
Sta. 50+24.43 Flint Rock Road = Sta. 0+00 Shippers Lane
Sta. 57+58.84 Flint Rock Road = Sta. 24+83.74 Congress Drive
Sta. 20+76.46 Congress Drive = Sta. 0+00 Rim Rock Road
Sta. 3+96.70 Shippers Lane = Sta. 7+98.16 Rim Rock Road
Sta. 35+54.59 Drake Drive
Sta. 34+14.58 Limit of Dedication
FLINT ROCK ROAD
FLINT ROCK TERRACE
DRAKE DRIVE
SHIPPERS LANE
RIM ROCK ROAD
CONGRESS DRIVE
FUTURE S.D. BY OTHERS
See Sheet 1 of 3
MATCH LINE
MATCH LINE See Sheet 1 of 3
SD FILE NO. 919
PAVING & DRAINAGE PLAN
BEL-PRE FOREST
MONTGOMERY COUNTY, MARYLAND
SCALE 1"=50'
DATE July, 1964
HANSON & ASSOCIATES
LAND SURVEYORS
LAND PLANNING CONSULTANTS
156 CONGRESSIONAL AIRPORT LANE
ROCKVILLE, MARYLAND
Phone 427-7670
DESIGNED F.M. Steadman
DRAWN F.A. SPINETTA C.E.B.
CHECKED K.E. den Outer
APPROVED
OWNER Admiral Homes Inc.
JOB NUMBER 122
SD FILE NO. 919
STATE OF MARYLAND
RODNEY LOUIS HANSON
No. 3384
REGISTERED
LAND SURVEYOR
Rodney L. Hanson
CE487-903-2

STRUCTURE SCHEDULE			
Nº	TYPE	ELEVS	REMARKS
1	B-15	369.83 370.08	W.S.S.C. Inlet, W=2.5
2	B-10	371.12 371.36	" " W=2.5
3	B-10	364.18 364.42	" " W=4.0'
4	B-48	357.0	" MH
5	B-48	345.0	" "
6	B-10	334.28 334.57	" Inlet W=2.5
7	B-10	334.78 335.33	" " W=2.5'
8	B-10	334.35 334.60	" " W=4.0'
9	F.C.	—	Meet Ex. Pipe
10	B-54	332.50	W.S.S.C. MH
12	B-10	327.73 327.98	W.S.S.C. Inlet W=4.5
13	Endwall	327.50	" Std.

PIPE SCHEDULE			
SIZE	TYPE	CLASS	LENGTH
15"	R.C.P.	IV	116'
15"	R.C.P.	V	30'
18"	R.C.P.	IV	54'
18"	R.C.P.	V	132'
21"	R.C.P.	IV	56'
42"	R.C.P.	II	142'
42"	R.C.P.	III	346

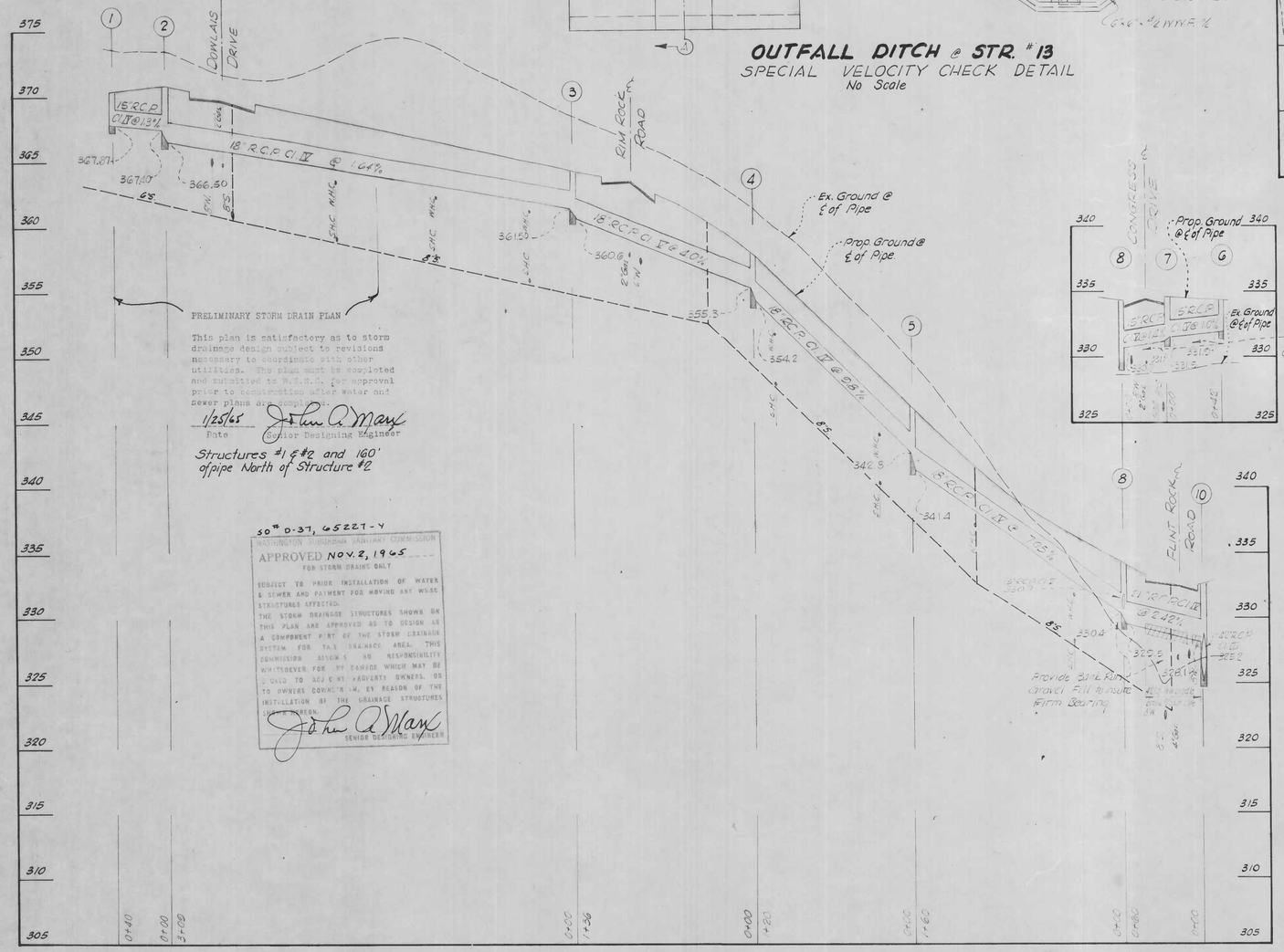
STREET GRADES APPROVED BY M.N.C.P.P.C.

DOWLAIS DRIVE	#6766	7-27-64
CONGRESS DRIVE	#7760	7-27-64
RIM ROCK ROAD	#8624	7-27-64
FLINT ROCK ROAD	#7422	7-27-64



Note: For Dimensions and Details of Endwall, see W.S.S.C. Std. Dft. #60.43

OUTFALL DITCH @ STR. #13
SPECIAL VELOCITY CHECK DETAIL
No Scale



PRELIMINARY STORM DRAIN PLAN

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1/25/65 — Date

Senior Designing Engineer

Structures #1 & #2 and 160' of pipe North of Structure #2

50* D-37, 65227-Y

APPROVED NOV. 2, 1965
FOR STORM DRAINS ONLY

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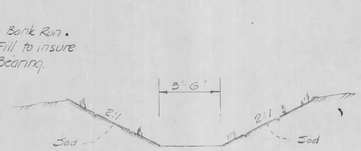
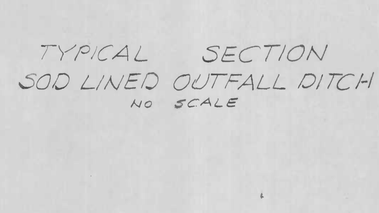
SENIOR DESIGNING ENGINEER





TYPICAL SECTION
SOD LINED OUTFALL DITCH
NO SCALE

PROFILE SCALE

HORIZONTAL	1"=50'
VERTICAL	1"=5'

STATE OF MARYLAND — RODNEY L. HANSON — No. 1001 — REGISTERED LAND SURVEYOR

Rodney L. Hanson

CE487-903-3

SD FILE NO. 919

STORM DRAIN PROFILES
BEL PRE FOREST
MONTGOMERY COUNTY, MARYLAND

SCALE AS SHOWN — DATE NOV. 1964

HANSON & ASSOCIATES
LAND SURVEYORS
LAND PLANNING CONSULTANTS
156 CONGRESSIONAL AIRPORT LANE
ROCKVILLE, MARYLAND
Phone 427-7070

DESIGNED	DRAWN	OWNER	JOB NUMBER
F.M. Steadman	F.M. Steadman	Admiral Homes, Inc. 449 Courthouse Sta. Rockville Md.	122-01
CHECKED	APPROVED		
K.E. den Outer			

SD FILE NO. 919