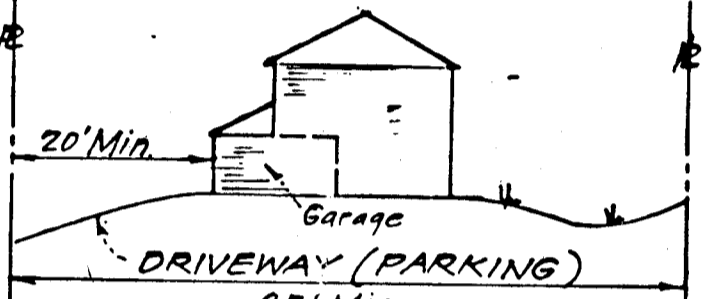


NOTE:  
FOR GENERAL NOTES SEE SHT. 1

AS BUILT DRAWING SEALED  
BY JOHN M CHRISTMAN  
PE # 14829

SEE SHEET 3 FOR TYP PAVING SECTION  
DETAIL- SEWELL'S ORCHARD DRIVE

Attached units will provide 2 off-street parking spaces.



TYPICAL PROFILE ATTACHED UNIT

LOTS 34 THRU 89

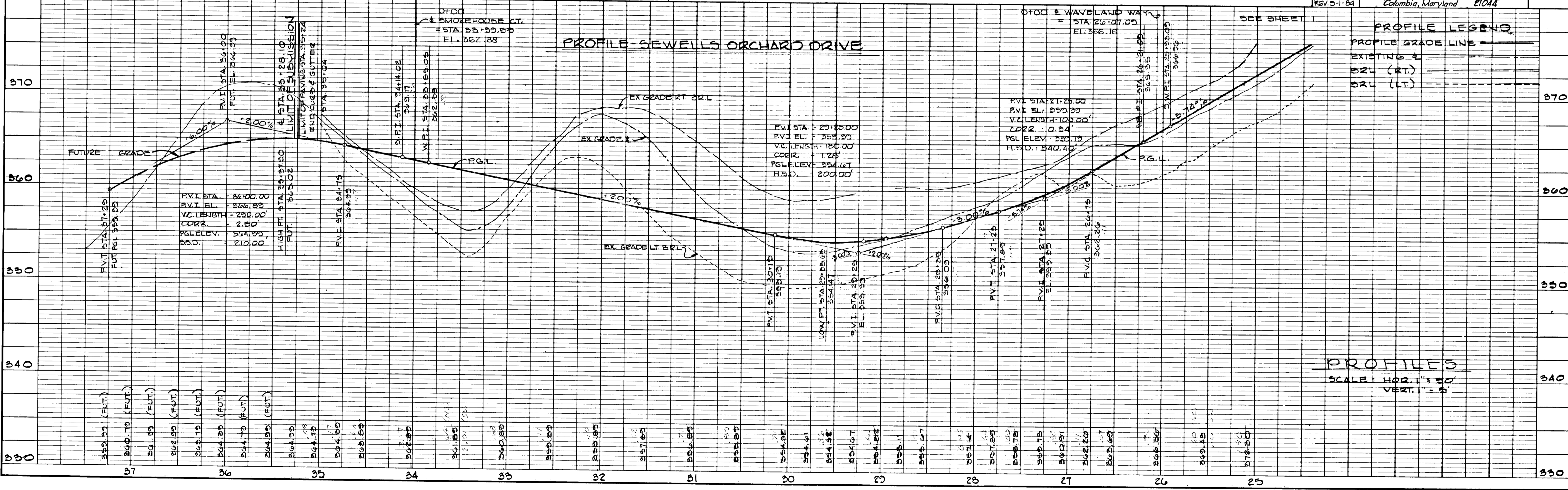
82

BASED ON HO. CO. MAPS # 2442001 & 2542002

PLAN

SCALE: 1"=50'

PROFILE-SEWELL'S ORCHARD DRIVE



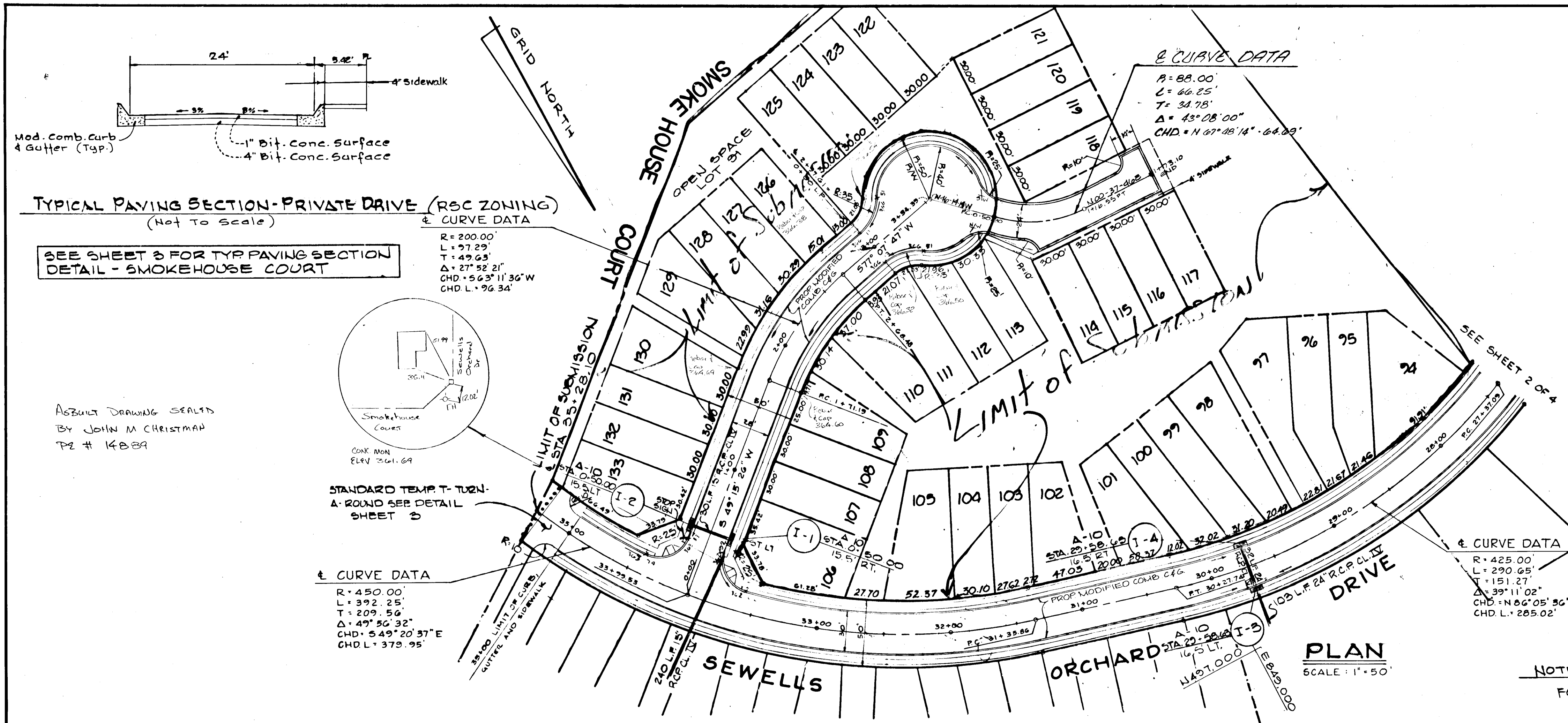
PROFILES

SCALE: HOR. 1"=50'  
VERT. 1"=5'

APPROVED: Department of Public Works  
*Robert E. P. ...* 6-5-84  
Chief, Bureau of Engineering  
APPROVED: Howard County Office of Planning & Zoning  
*John W. ...* 6-7-84  
Chief, Division of Land Development & Zoning Administration

EVANS, HAGAN & HOLDEFER, INC.  
SURVEYORS AND CIVIL ENGINEERS  
8013 BELAIR ROAD / BALTIMORE, MD. 21236  
(301) 668-1501  
**Robert May Jr.**  
DATE: May 11, 1984 SCALE: 1"=50'

DESIGNED E.I.D.	ROAD CONSTRUCTION PLANS	SCALE AS SHOWN
DRAWN M.E.D.	SEWELL'S ORCHARD	DRAWING 1 OF 4
CHECKED R.M. J.	SECTION 2 AREA 2	JOB NO.
DATE 6-25-85 REV. 5-1-84	6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	FILE NO.
	FOR: ORCHARD ASSOCIATES P.O. Box 919 Columbia, Maryland 21044	



CURVE DATA	
CURVE NO.	DATA
1	R=200.00, L=27.29, T=49.63, Δ=27° 52' 21", CHD=N 67° 48' 14" - 64.89'
2	R=425.00, L=290.65, T=151.27, Δ=39° 11' 02", CHD=N 06° 05' 56" E - 285.02'
3	R=88.00, L=66.85, T=31.78, Δ=43° 08' 00", CHD=N 67° 48' 14" - 64.89'

HOWARD COUNTY, MARYLAND  
DEPARTMENT OF PUBLIC WORKS  
Approved: [Signature] Chief - Bureau of Engineering

NORMAL CUL-DE-SAC  
WITHOUT ISLAND

DATE: AUG. 23, 1983 SCALE AS SHOWN

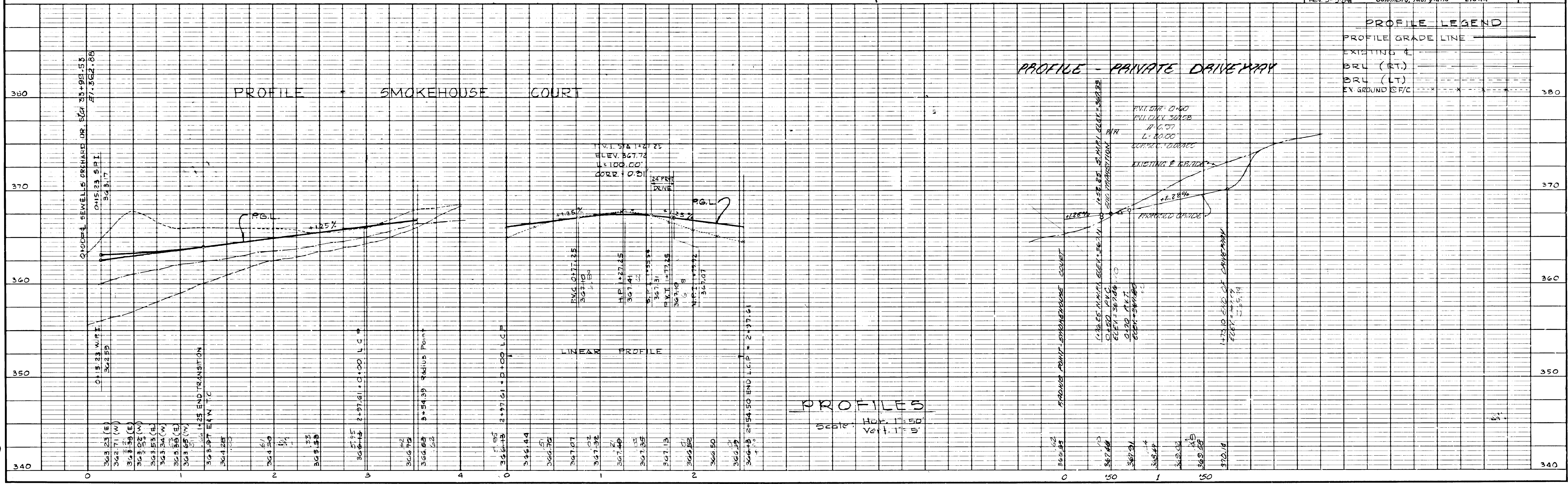
APPROVED: Department of Public Works  
[Signature] Chief, Bureau of Engineering

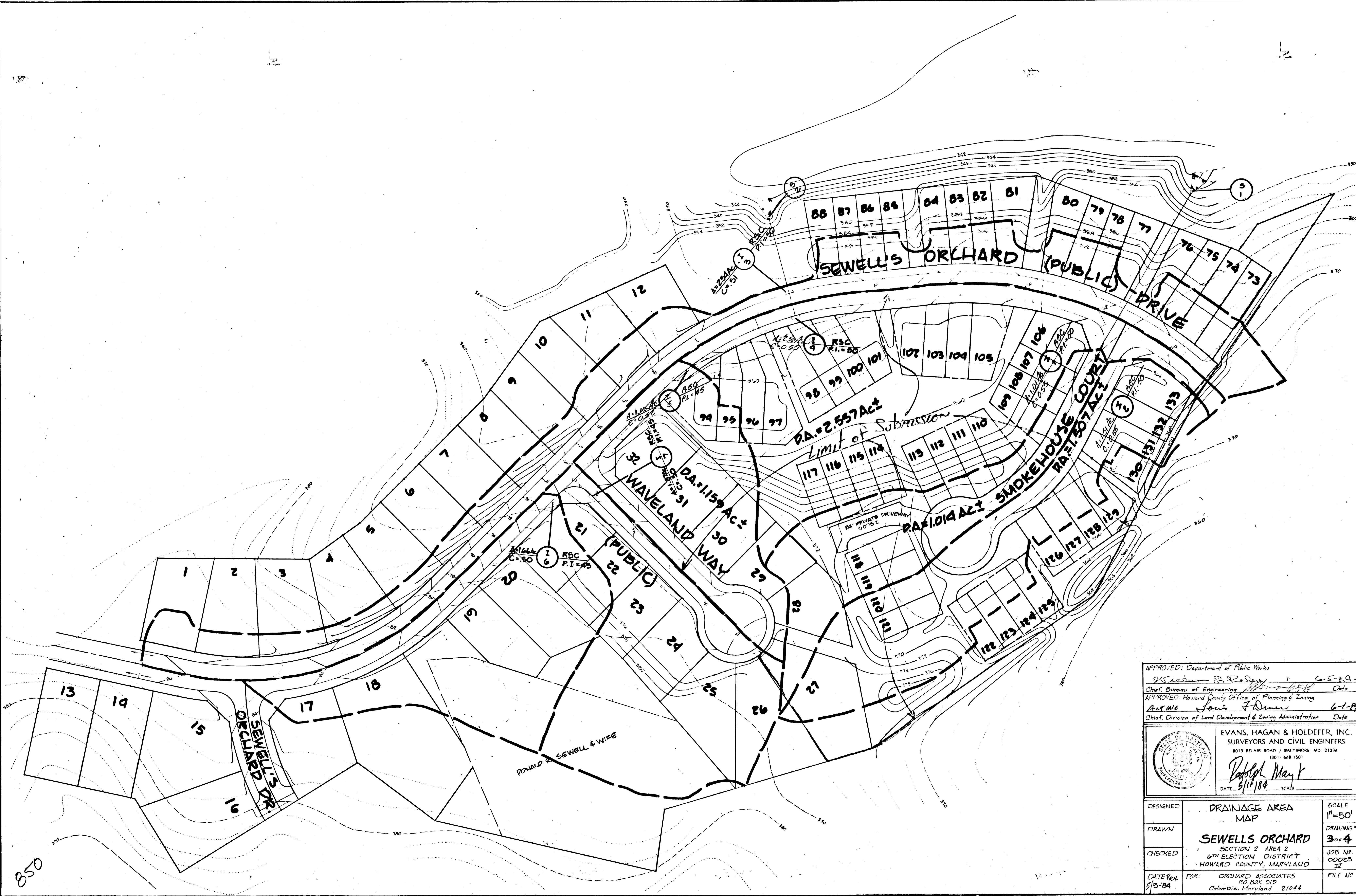
APPROVED: Howard County Office of Planning & Zoning  
[Signature] Chief, Division of Land Development & Zoning Administration

**EVANS, HAGAN & HOLDEFER, INC.**  
SURVEYORS AND CIVIL ENGINEERS  
8013 BELAIR ROAD / BALTIMORE, MD. 21236  
(301) 668-1501

*Ralph May*  
DATE: AUG. 23, 1983 SCALE AS SHOWN

DESIGNED R. M. Jr.	ROAD CONSTRUCTION PLANS	SCALE AS SHOWN
DRAWN R. J. F.	<b>SEWELLS ORCHARD</b> SECTION 2 AREA 2 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	DRAWING 2 of 4
CHECKED G. W.		JOB NO. 00023
DATE 8-23-83 REV. 5-2-84	FOR: ORCHARD ASSOCIATES P.O. Box 919 Columbia, Maryland 21044	FILE NO.

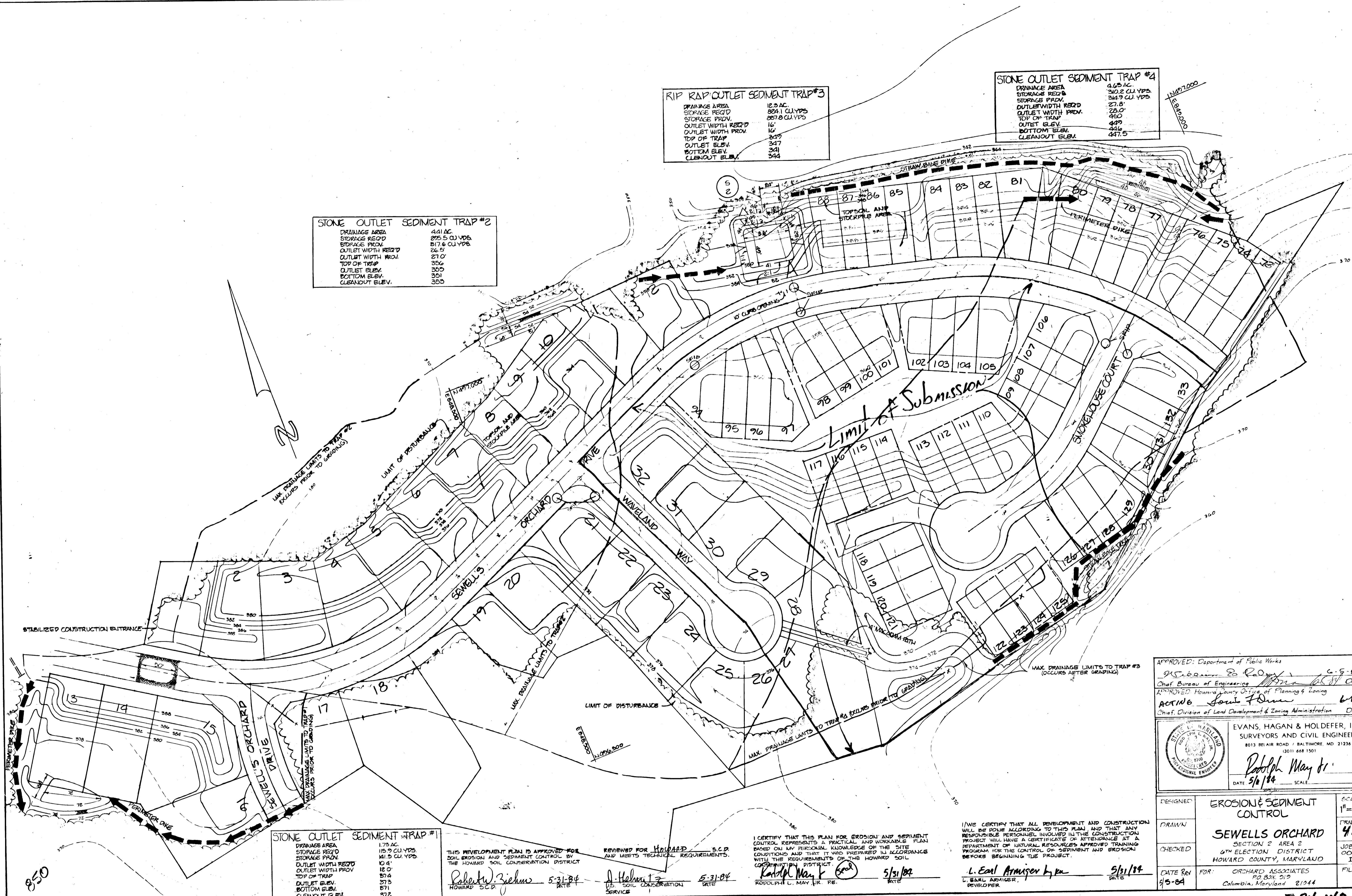




APPROVED: Department of Public Works  
*John F. Dimer* C.S.E.A.  
 Chief, Bureau of Engineering Date  
 APPROVED: Howard County Office of Planning & Zoning  
 Act No. *John F. Dimer* 6-1-84  
 Chief, Division of Land Development & Zoning Administration Date

EVANS, HAGAN & HOLDEFFER, INC.  
 SURVEYORS AND CIVIL ENGINEERS  
 8013 BELAIR ROAD / BALTIMORE, MD. 21236  
 (301) 668-1501  
*Robert May*  
 DATE: 5/11/84 SCALE

DESIGNED	DRAINAGE AREA MAP	SCALE 1"=50'
DRAWN	SEWELLS ORCHARD SECTION 2 AREA 2	DRAWING # 3 of 4
CHECKED	6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	JOB NO. 00023 III
DATE Rev. 5/5-84	FOR: ORCHARD ASSOCIATES P.O. BOX 212 Columbia, Maryland 21044	FILE NO.



**RIP RAP OUTLET SEDIMENT TRAP #3**

DRAINAGE AREA	12.9 AC.
STORAGE REQ'D	8241 CU. YDS.
STORAGE PROV.	8278 CU. YDS.
OUTLET WIDTH REQ'D	16'
OUTLET WIDTH PROV.	16'
TOP OF TRAP	249
OUTLET ELEV.	247
BOTTOM ELEV.	241
CLEANOUT ELEV.	244

**STONE OUTLET SEDIMENT TRAP #4**

DRAINAGE AREA	4.65 AC.
STORAGE REQ'D	310.2 CU. YDS.
STORAGE PROV.	314.9 CU. YDS.
OUTLET WIDTH REQ'D	27.8'
OUTLET WIDTH PROV.	28.0'
TOP OF TRAP	450
OUTLET ELEV.	449
BOTTOM ELEV.	446
CLEANOUT ELEV.	447.5

**STONE OUTLET SEDIMENT TRAP #2**

DRAINAGE AREA	441 AC.
STORAGE REQ'D	275.5 CU. YDS.
STORAGE PROV.	276.6 CU. YDS.
OUTLET WIDTH REQ'D	26.5'
OUTLET WIDTH PROV.	27.0'
TOP OF TRAP	356
OUTLET ELEV.	355
BOTTOM ELEV.	351
CLEANOUT ELEV.	353

**STONE OUTLET SEDIMENT TRAP #1**

DRAINAGE AREA	1.75 AC.
STORAGE REQ'D	115.9 CU. YDS.
STORAGE PROV.	111.5 CU. YDS.
OUTLET WIDTH REQ'D	10.4'
OUTLET WIDTH PROV.	12.0'
TOP OF TRAP	374
OUTLET ELEV.	373
BOTTOM ELEV.	371
CLEANOUT ELEV.	372

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS.

Robert W. Ziehms 5-31-84 DATE  
HOWARD S.C.D.

J. Helmer 5-31-84 DATE  
U.S. SOIL CONSERVATION SERVICE

I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

Rodolph May Jr. 5/31/84 DATE  
RODOLPH C. MAY JR., P.E.

I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT.

L. Earl Armiger, Jr. 5/31/84 DATE  
L. EARL ARMIGER, DEVELOPER

APPROVED: Department of Public Works

Robert E. Radwin 6-5-84 DATE  
Chief Bureau of Engineering

APPROVED Howard County Office of Planning & Zoning

ACTING South Fourn 6-1-84 DATE  
Chief, Division of Land Development & Zoning Administration

EVANS, HAGAN & HOLDEFER, INC.  
SURVEYORS AND CIVIL ENGINEERS  
8013 BELAIR ROAD / BALTIMORE, MD 21236  
(301) 668-1501

Rodolph May Jr.  
DATE 5/1/84 SCALE

DESIGNED	EROSION & SEDIMENT CONTROL	SCALE 1"=50'
DRAWN	SEWELLS ORCHARD	DRAWING # 40-6
CHECKED	SECTION 2 AREA 2	JOB NO. 00023
	6TH ELECTION DISTRICT	III
	HOWARD COUNTY, MARYLAND	FILE NO.
DATE REV 9-5-84	FOR: ORCHARD ASSOCIATES PO BOX 219 Columbia, Maryland 21044	