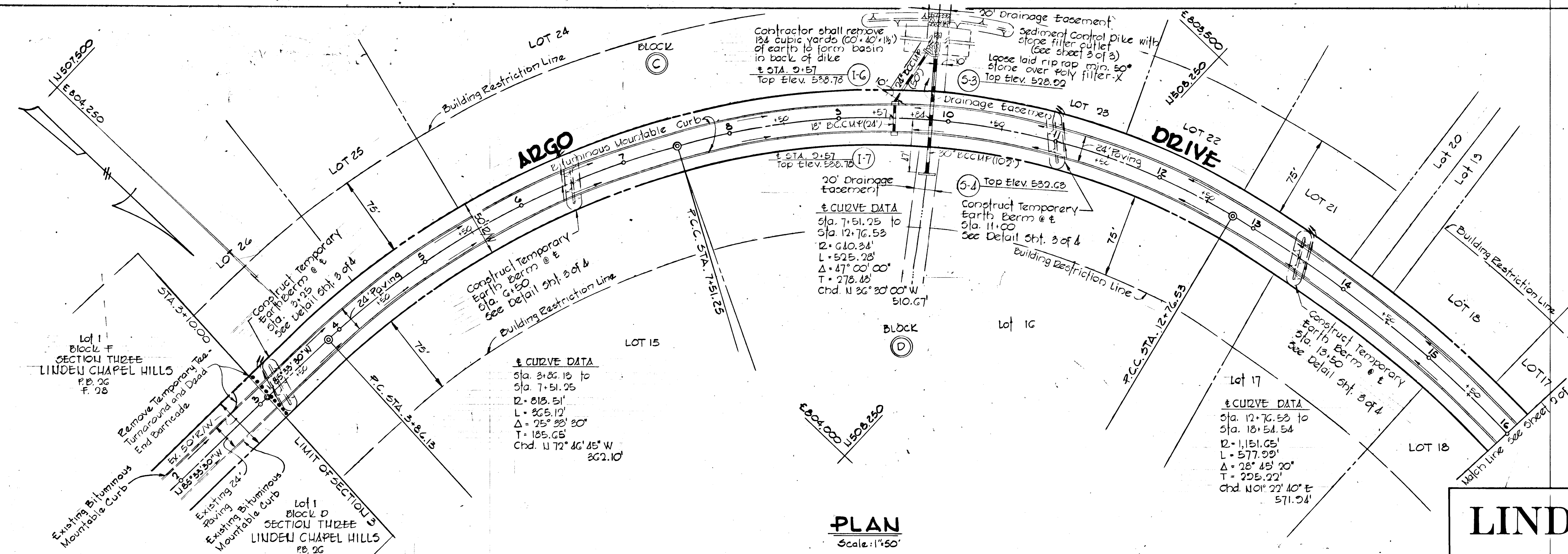
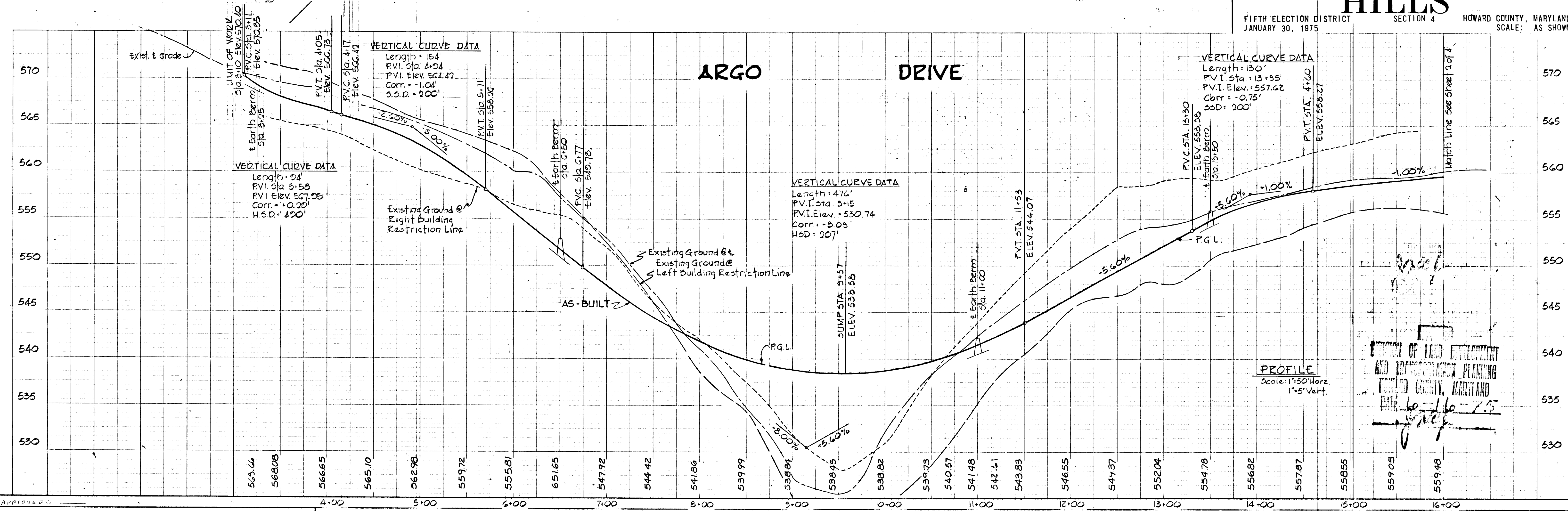


VICINITY MAP  
Scale: 1" = 1200'



PLAN  
Scale: 1" = 50'

PLAN & PROFILE: ARGO DRIVE  
**LINDEN CHAPEL HILLS**  
FIFTH ELECTION DISTRICT SECTION 4 HOWARD COUNTY, MARYLAND  
JANUARY 30, 1975 SCALE: AS SHOWN



PROFILE  
Scale: 1" = 50' Horiz.  
1" = 5' Vert.

OFFICE OF LAND DEVELOPMENT  
AND TRANSPORTATION PLANNING  
HOWARD COUNTY, MARYLAND  
DATE: 7/16/75

APPROVED: Department of Public Works

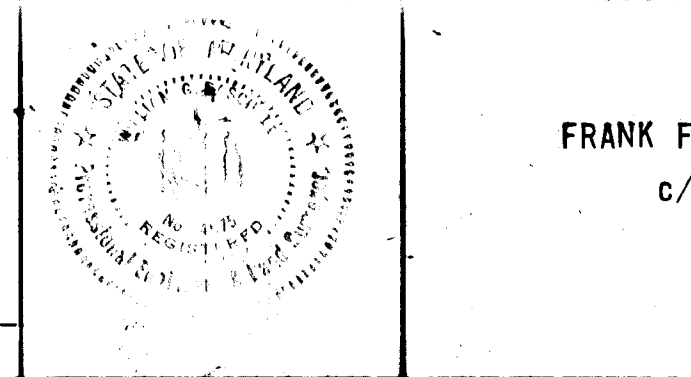
APPROVED: Office of Planning and Zoning

*Annalisa M. McLeod*  
CHIEF BUREAU OF HIGHWAYS  
DATE: 7/15/75

*[Signature]*  
CHIEF, DIVISION OF LAND DEVELOPMENT  
AND TRANSPORTATION PLANNING  
DATE: 7/15/75

**PURDUM & JESCHKE**  
CONSULTING ENGINEERS  
LAND SURVEYORS  
1023 North Calvert Street  
Baltimore, Maryland 21202 301/837-0194

*[Signature]*  
William G. Rasch II Reg. No. 4575  
DATE: 7/15/75

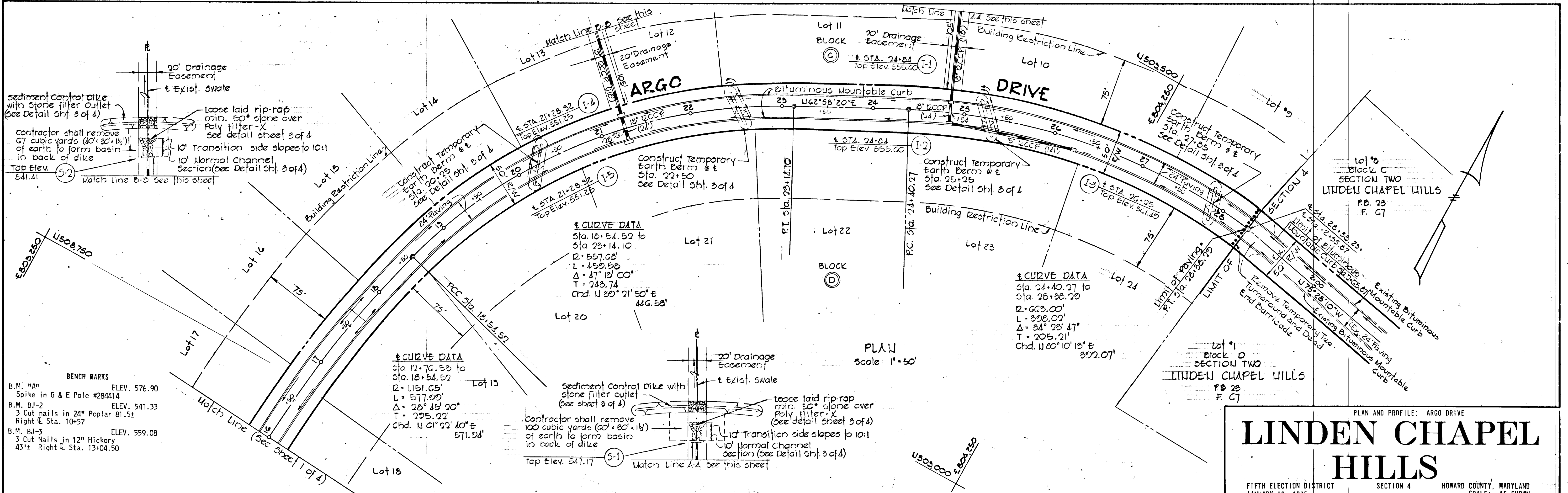


OWNER AND DEVELOPER  
FRANK F. WILLSON AND WIFE, ET. AL.  
c/o ASHTON REALTY COMPANY  
Maryland Route 108  
Ashton, Maryland 20702

DESIGNED BY: C.J. GROVO  
DRAFTED BY: R.A. Zelinka  
CHECKED BY: R.B. Carter  
SHEET 1 OF 4

AS-BUILT JULY 28, 1976

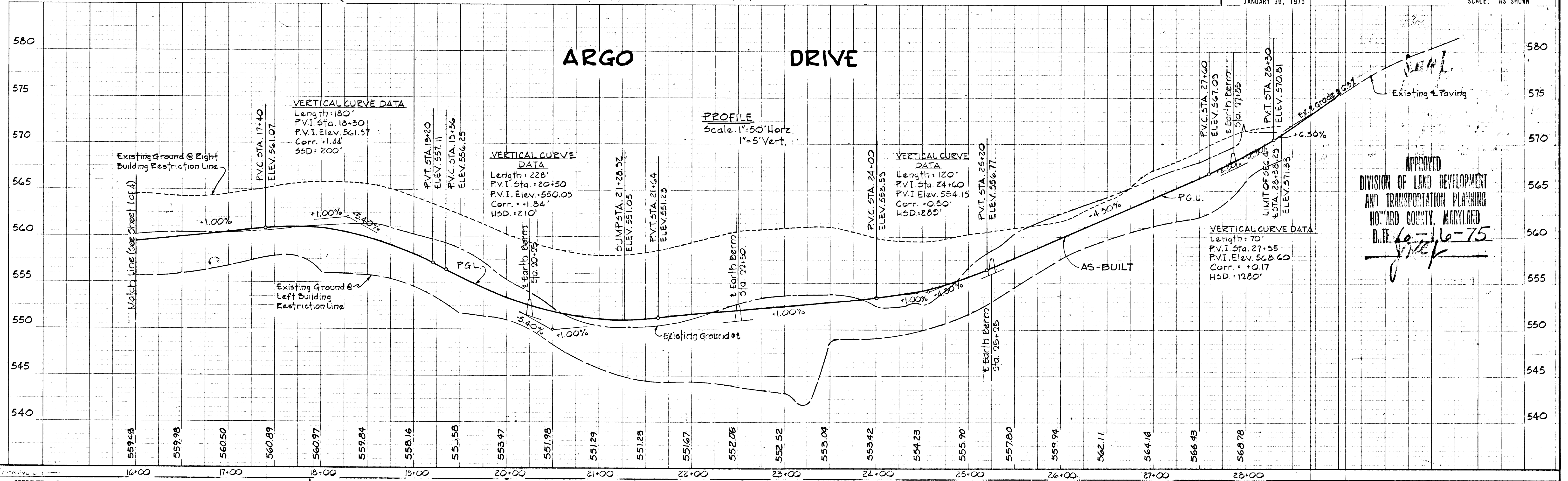




PLAN AND PROFILE: ARGO DRIVE

# LINDEN CHAPEL HILLS

FIFTH ELECTION DISTRICT SECTION 4 HOWARD COUNTY, MARYLAND  
 JANUARY 30, 1975 SCALE: AS SHOWN



APPROVED: Department of Public Works <i>Dr. [Signature]</i> 7/2/75 CHIEF BUREAU OF HIGHWAYS	APPROVED: Office of Planning & Zoning <i>[Signature]</i> 6/30/75 CHIEF, DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING	<b>PURDUM &amp; JESCHKE</b> CONSULTING ENGINEERS LAND SURVEYORS 1023 North Calvert Street Baltimore, Maryland 21202 301/837-0194	OWNER AND DEVELOPER FRANK F. WILLSON AND WIFE, ET AL. % ASHTON REALTY COMPANY Maryland Route 108 Ashton, Maryland 20702	DESIGNED BY: C.J. Crovo DRAFTED BY: R.A. Zelinka CHECKED BY: R. Carrer Sheet 2 of 4
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**DEVELOPER'S CERTIFICATE**  
I certify that all development and/or construction will be done according to this plan of development and plan for Erosion and Sediment Control, and I also authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents, as are deemed necessary. Deviation from this plan will not be made unless authorized by the Howard Soil Conservation District.

*Robert Johnson* JAN. 23, 1975  
Signature of Engineer Date

**ENGINEER'S CERTIFICATE**  
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.

*Eric V. Herman* 6/24/75  
Signature of Engineer Date

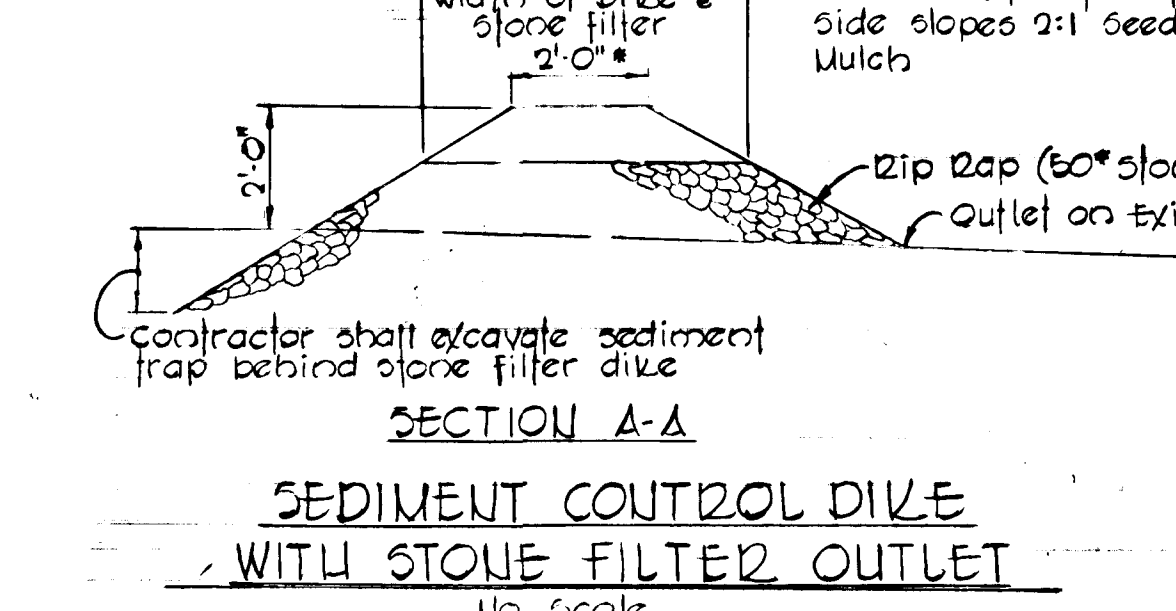
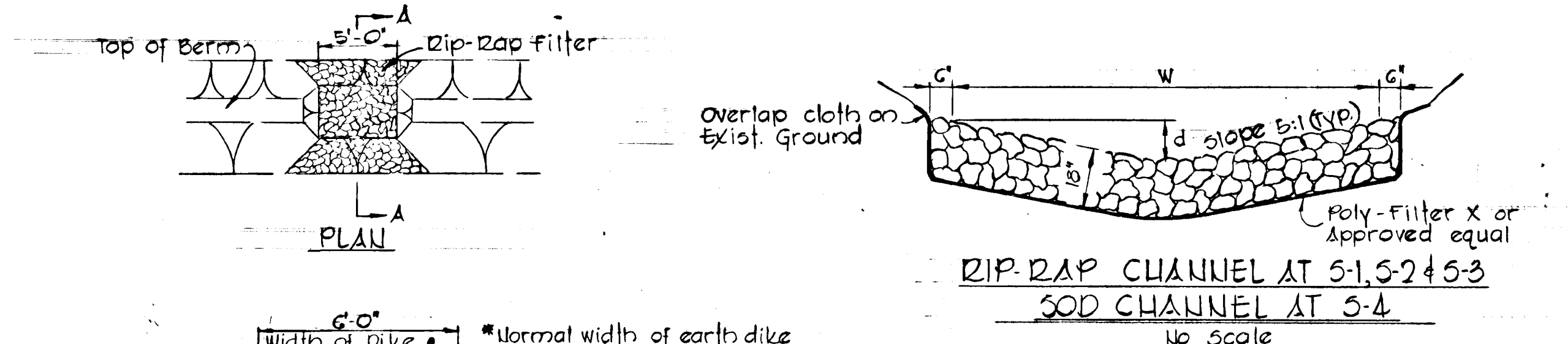
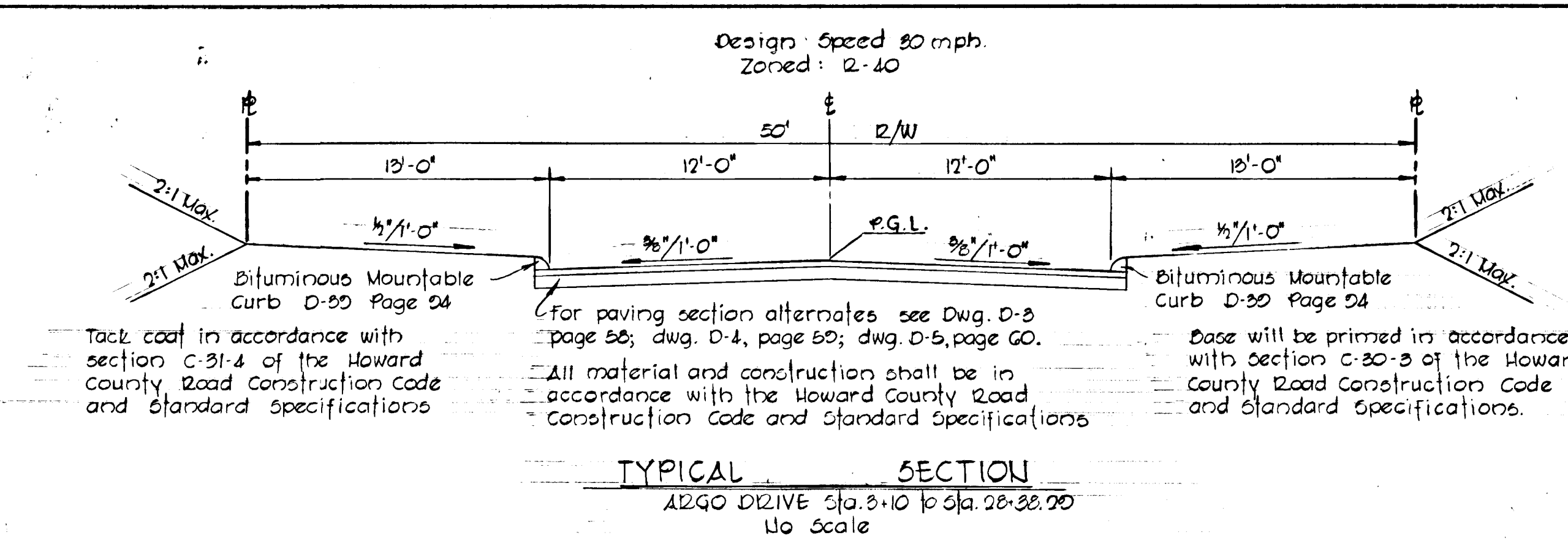
Reviewed for Howard County Soil Conservation District and meets Technical Requirements.  
6/24/75  
U.S. Soil Conservation Service Date

This development plan is approved for Soil Erosion and Sediment Control by the Howard Soil Conservation District.

APPROVED: *Robert W. Zickler* 6-24-75  
District Coordinator Date  
Howard Soil Conservation District

**SEDIMENT CONTROL NOTES**

- The developer shall notify the Howard County Soil Conservation District at least 24 hours prior to beginning any construction shown hereon (465-3180).
- Berms, sediment traps, etc., to be constructed prior to any on-site grading or disturbance to any existing surface material, and are to be stabilized as soon as constructed.
- All sediment control structures to remain in place until permission for their removal has been obtained from the Howard County Soil Conservation District. (465-3180 or 465-5000 Ext. 328).
- All graded areas not to be sodded shall be stabilized by seeding and mulching in accordance with the following:
  - Site Preparation:
    - Harrow or disc in areas proposed to be seeded the following materials at the specified rate, to a depth of 3".
      - Pulverized limestone at 1 1/2 tons/acre.
      - Commercial fertilizer 5-10-10- at 3/4 tons/acre.
      - Super phosphate at 600 lbs/acre.
    - Seeding:
      - Sow the following seed mixture at the rate of 200 lbs/acre: with a mechanical spreader.
        - 20% Annual Rye Grass
        - 80% Kentucky 31 Fescue
      - The seeded area shall then raked with a York Rake (a minimum of two passes), covered and compacted with Cultipacker or other approved method.
    - Mulching:
      - Seeded areas shall be uniformly mulched immediately after seeding with underweathered small grain straw at the rate of 1 1/2 tons to 2 tons/acre.
      - Tie mulch down with liquid asphalt at 0.1 gal/s.y. or emulsified asphalt at 0.04 gal/s.y. or mulch retting.
- Sediment and Erosion Control Requirements shown hereon are for road and storm drain construction only. Further development of individual lots are subject to additional Sediment and Erosion Control Requirements, if and as directed by the Howard Soil Conservation District.



**CHANNEL DESIGN DATA**

CHANNEL LOCATION	W	d	A	WP	R = A/WP	R <sup>2/3</sup>	S	1/2 S	V	Q <sub>10</sub>
									f.p.s.	c.f.s.
S-1	10.3	1.03	5.24	10.54	0.5368	0.6357	1.50%	0.1225	2.31	12.4
S-2	11.4	1.14	6.53	11.66	0.5604	0.6798	1.00%	0.10	2.02	13.2
S-3	13.0	1.30	8.45	13.26	0.6375	0.7407	5.50%	0.2345	5.16	43.6
S-4	12.0	1.20	7.22	12.26	0.5893	0.7029	1.50%	0.1225	4.26	30.8

NOTE: 0.05 Mannings "n" used for Rip-rap Channel Lining  
0.03 Mannings "n" used for Sodded Channel Lining

**CONSTRUCTION SEQUENCE**

- PLACE EARTH DIKES AND STONE FILTERS DOWNSTREAM OF S-1, S-2, AND S-3, EXCAVATE TRAP AREAS BEHIND DIKES. SEED AND MULCH DISTURBED AREAS.
- PLACE ROADS TO SUBGRADE CREATING INTERIM DIVERSION BERMS ACROSS ROAD RIGHT-OF-WAYS AT STATIONS SHOWN
- CONSTRUCT STORM DRAIN SYSTEMS
- REMOVE INTERIM DIVERSION BERMS AND PLACE ROAD BASE AND SURFACE COURSES; CURBING.
- BRING ROAD SLOPES TO FINISHED GRADE; SEED AND MULCH IN ACCORDANCE WITH SEDIMENT CONTROL NOTE #4.
- REMOVE EARTH DIKES AND STONE FILTERS @ S-1, S-2, AND S-3. STABILIZE DISTURBED AREAS.

**SITE ANALYSIS**

- Total Area - 48.560 Ac.±
- Area to be graded - 2.902 Ac.±
- Area to be paved - 1.393 Ac.±
- Area to be revegetated - 1.509 Ac.±
- Undisturbed Area - 45.658 Ac.±

**STRUCTURE SCHEDULE**

STRUCTURE	TYPE	INV. IN	INV. OUT	TOP ELEV.	REMARKS
S-1	STD. "C" ENDWALL	-	544.92	547.17	DWG. D-52 P. 107
I+1	"S" COMB. DEPR.	550.86	550.82	555.60	
I+2	DBL. "S" COMB. DEPR.	551.26	551.22	555.60	
I+3	"S" COMB. DEPR.	-	557.61	561.49	
S+2	STD. "C" ENDWALL	-	539.16	541.41	DWG. D-52 P. 107
I+4	A-5 DEPR.	545.69	545.65	551.25	DWG. 64-A P. 119-A
I+5	A-10 DEPR.	-	546.17	551.25	DWG. 64-A P. 119-A
S+3	MODIFIED "E" ENDW.	-	526.60	530.10	DWG. D-54 P. 109
S+4	STD. "C" ENDWALL	-	529.15	532.65	DWG. D-52 P. 107
I+6	A-5 DEPR.	534.22	533.72	538.78	DWG. 64-A P. 119-A
I+7	A-5 DEPR.	-	534.70	538.78	DWG. 64-A P. 119-A

**GENERAL NOTES**

- All construction shown hereon shall be in accordance with the Howard County Road Construction Code and Standard Specifications dated November 27, 1962 and revised August 1967.
- Reference to page and drawing numbers shown hereon are referred to the above mentioned Road Construction Code and Standard Specifications.
- Design Speed - 30 miles per hour.

**BENCH MARKS**

B.M. "A" ELEV. 576.90  
Spike in G & E Pole #284414

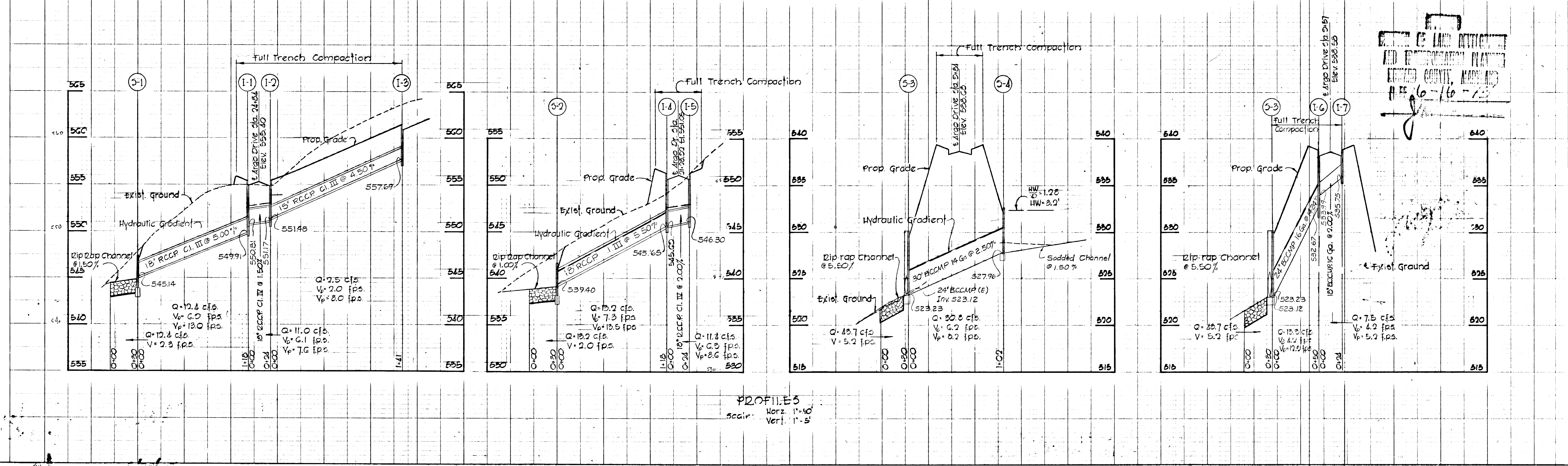
B.M. BJ-2 ELEV. 541.33  
3 cut nails in 24" Poplar 81.5'±  
Right of Sta. 10+57

B.M. BJ-3 ELEV. 559.08  
3 cut nails in 12" Hickory  
43'± Right of Sta. 13+04.50

STORM DRAIN PROFILES, AND SEDIMENT CONTROL DETAILS

# LINDEN CHAPEL HILLS

5th ELECTION DISTRICT SECTION 4 HOWARD COUNTY, MARYLAND  
JANUARY 30, 1975 SHEET 3 OF 4 SCALE: AS SHOWN



APPROVED: Department of Public Works

APPROVED: Office of Planning and Zoning

**PURDUM & JESCHKE CONSULTING ENGINEERS LAND SURVEYORS**  
1023 North Calvert Street  
Baltimore, Maryland 21202 301/837-0194

DESIGNED BY: D. HAMIL  
DRAFTED BY: D. HAMIL  
CHECKED BY: R. B. CARTER  
SHEET 3 OF 4

OWNER & DEVELOPER  
FRANK T. WILLSON & WIFE ET AL.  
C/O ASHTON REALTY COMPANY  
Maryland Route 108  
Ashton, Maryland 20707

Chief, Bureau of Highways Date 7/2/75

Chief, Division of Land Development and Transportation Planning Date 6/23/75

Willson & WIFE Reg. No. 4575 Date 2/5/75

AS-BUILT JULY 28, 1976



**PERCOLATION TEST DATA**

FOOT	Average Percolation in Minutes for Second Incht	Maximum Depth Permitted for Effluent Pipe to Enter Sewage Disposal Area at its Highest Elevation with Reference to Existing Grade at Time of Percolation Test.
5	4	3
10	3	4
11	5	3
12	7	4
13	10	5
14	4	4
15	7	5
16	9	4
17	6	4
18	3	4
19	3	3
20	6	4
21	14	4 1/2
22	4	4
23	2	4
24	4	5
25	5	4
26	4	4
27	7	3
28	7	4
29	12	5
30	7	5 1/2
31	4	4
32	5	5
33	6	5 1/2

APPROVED FOR INDIVIDUAL SEWAGE AND WATER SYSTEMS

*[Signature]* DATE

C. BRUCE LAYMAN, MD. COUNTY HEALTH OFFICER

**CONVERSION TABLE**

PRESENT LOT NO.	LOT NO. USED DURING FIELD PERC. TEST
9	9
10	10 & 11 Combined
11	12 & 13 Combined
12	14
13	15
14	16
15	17
16	18
17	19
18	20
19	21
20	22
21	23
22	24
23	23 & 24 Combined
24	24 & 25 Combined
25	25 & 26 Combined
26	26 & 27 Combined
27	27 & 28 Combined
28	28
29	29
30	30
31	31
32	32
33	33
34	34

APPROVED: Department of Public Works

*[Signature]* 4/2/75  
CHIEF, BUREAU OF HIGHWAYS DATE

APPROVED: Office of Planning and Zoning

*[Signature]* 4/2/75  
CHIEF, DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING DATE

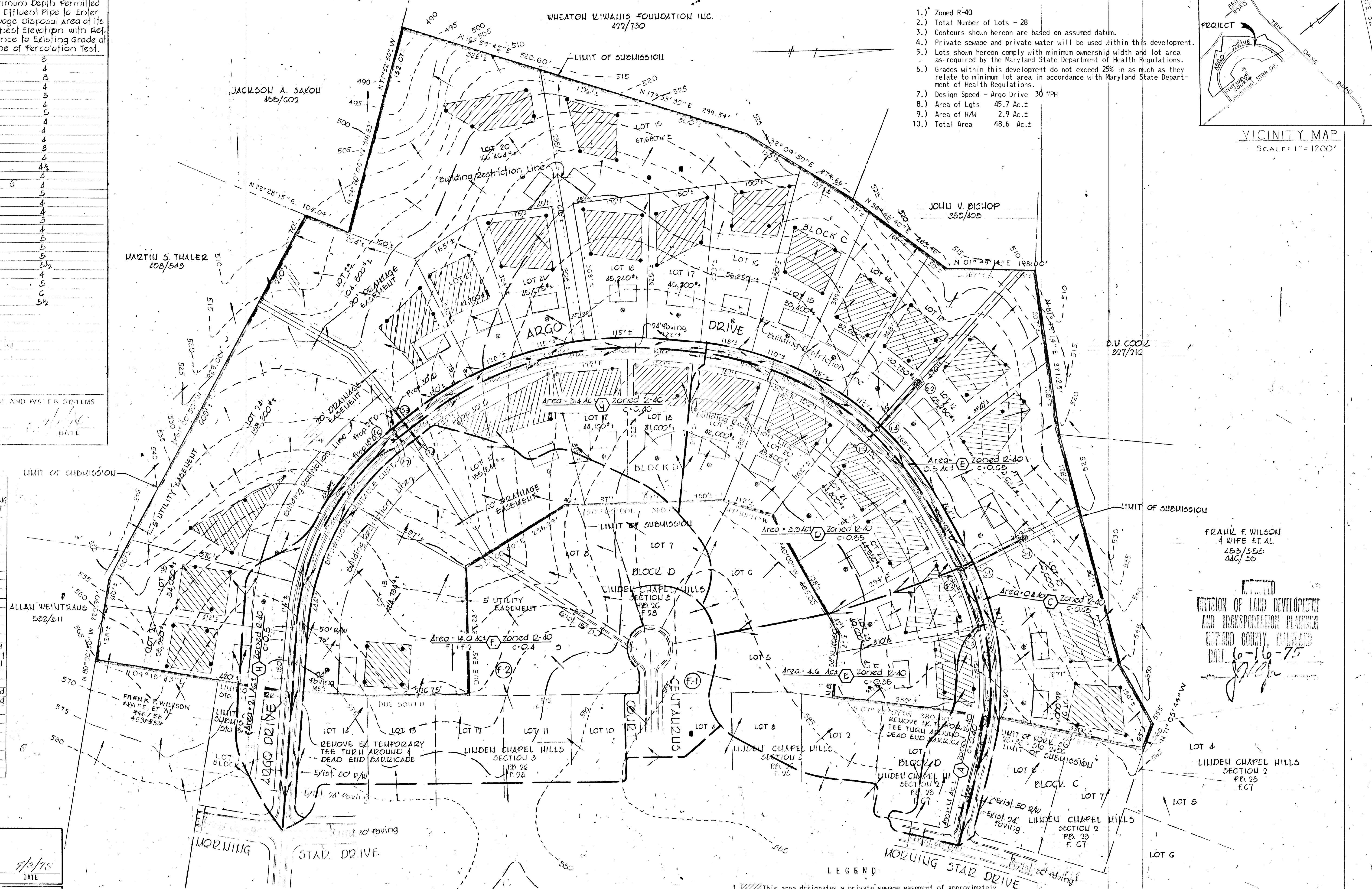
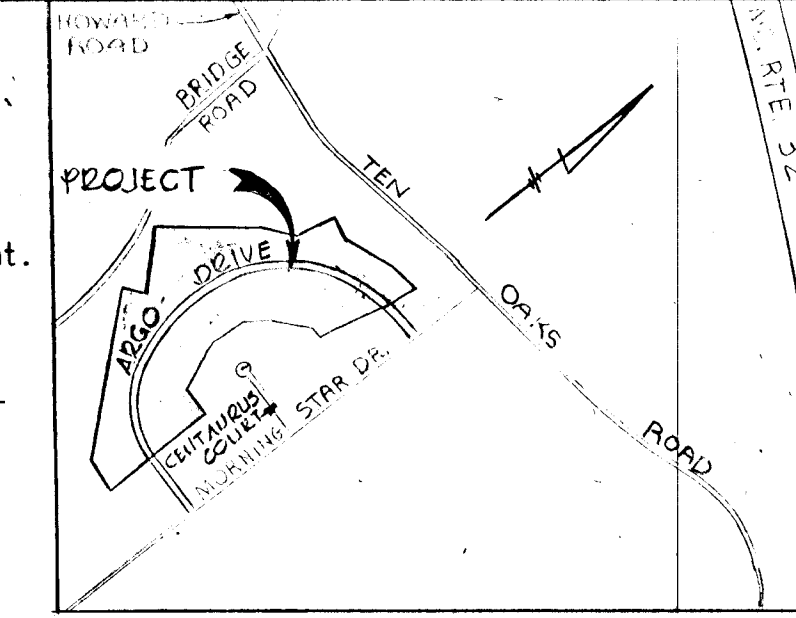
PUBBIM F. HESCHKE  
CONSULTING ENGINEERS & LAND SURVEYORS  
1023 N. CALVERT STREET  
BALTIMORE, MARYLAND 21202

*[Signature]*  
CAY G. WEINEL, JR. REG # 6182 6-7-74 DATE

OWNER & DEVELOPER  
FRANK F. WILSON & WIFE, ETAL  
% ADSTON REALTY COMPANY  
Maryland Route 108  
Ashton, Maryland 20702

**GENERAL NOTES**

- 1.) Zoned R-40
- 2.) Total Number of Lots - 28
- 3.) Contours shown hereon are based on assumed datum.
- 4.) Private sewage and private water will be used within this development.
- 5.) Lots shown hereon comply with minimum ownership width and lot area as required by the Maryland State Department of Health Regulations.
- 6.) Grades within this development do not exceed 25% in as much as they relate to minimum lot area in accordance with Maryland State Department of Health Regulations.
- 7.) Design Speed - Argo Drive 30 MPH
- 8.) Area of Lots 45.7 Ac.±
- 9.) Area of R/W 2.9 Ac.±
- 10.) Total Area 48.6 Ac.±



FRANK F. WILSON & WIFE ETAL  
453/555  
44C/58

RECORD  
DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING  
HOWARD COUNTY, MARYLAND  
DATE: 6-16-75  
*[Signature]*

- LEGEND**
1. This area designates a private sewage easement of approximately 10,000 Sq. Ft. as required by the Maryland State Health Department for individual sewage disposal. Improvements of any nature in this area are restricted until public sewerage is available and servicing any residential structure constructed on these building sites. This easement shall become null and void upon connection to a public sewerage system.
  2. Existing Contours (5' Interval)
  3. Denotes location of test hole.
  4. Approximate location of dwelling.
  5. Denotes approximate location of well.

DRAINAGE AREA MAP  
LINDEN CHAPEL HILLS  
SECTION 4  
5th ELECTION DISTRICT HOWARD CO., MARYLAND  
August 9, 1974  
Map No. 28 Parcel 80 Scale: 1" = 100'