

**ENGINEER'S CERTIFICATE**  
 I AM A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF MARYLAND AND I HAVE PREPARED THIS PLAN FOR EROSION AND SEDIMENT CONTROL 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 COUNTY SOIL CONSERVATION DISTRICT.  
 CHARLES J. CROVO, SR. 2/18/85  
 DATE

THE AS BUILT FOR SECTION 1 AREA 2 ARE BASED ON THE FOLLOWING HOWARD COUNTY HORIZONTAL AND VERTICAL CONTROL STATIONS:  
 2534701 N 1297015.03 ELEV. = 399.56  
 E 8033580.95  
 2535097 N 1298505.93 ELEV. = 457.21  
 E 8068690.06

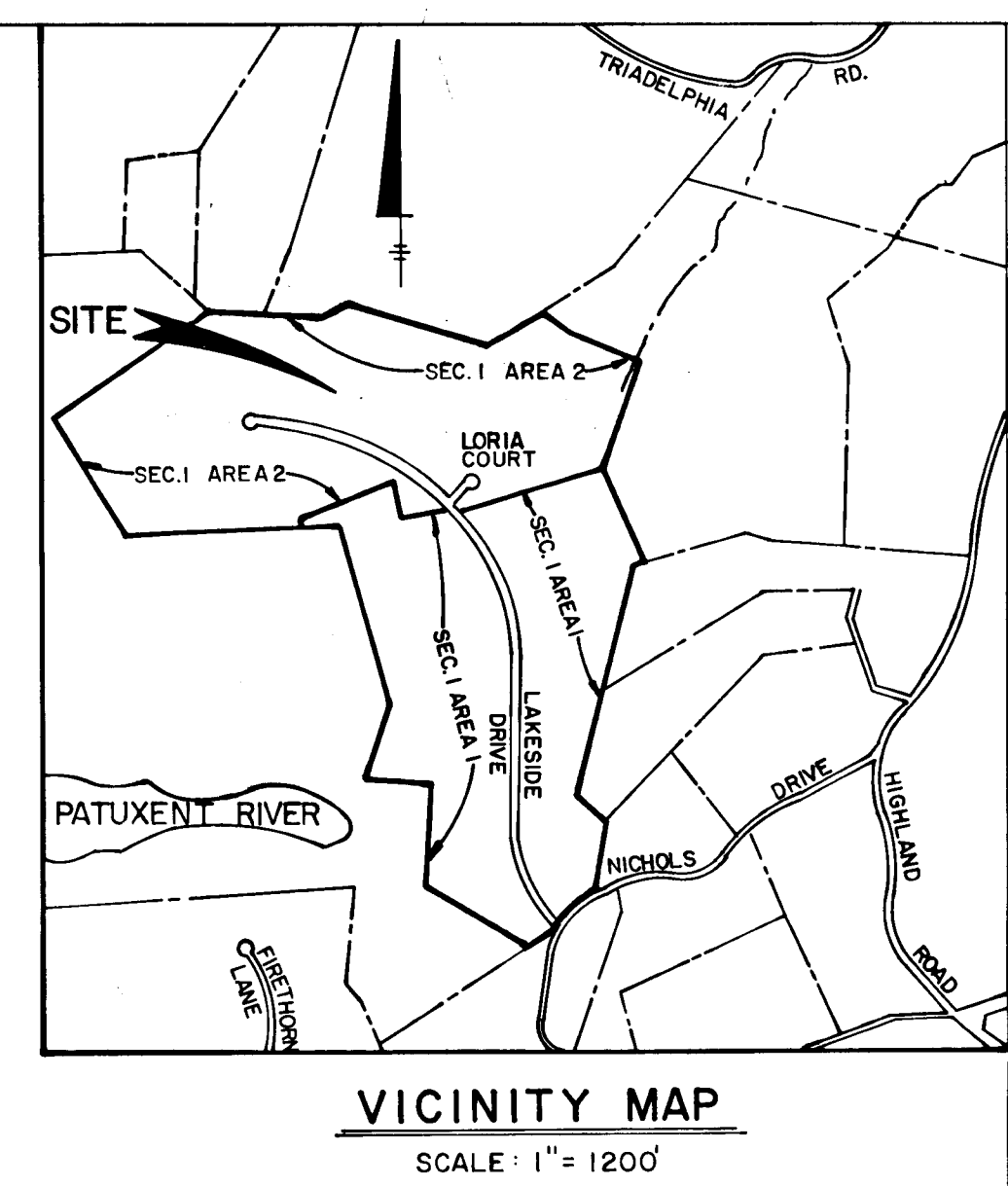
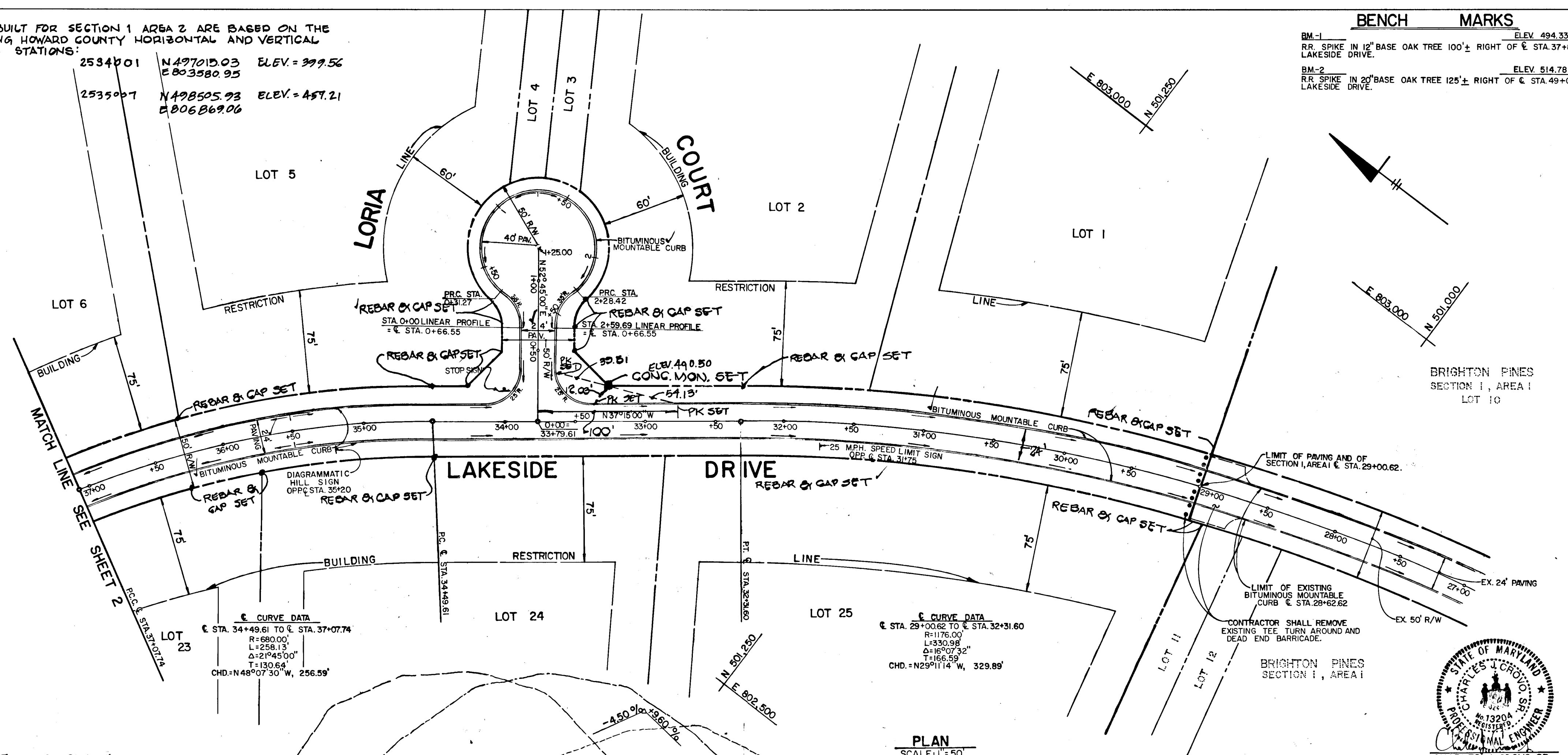
**DEVELOPER'S CERTIFICATE**  
 I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ONSITE INSPECTION BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS AS ARE DEEMED NECESSARY.  
 Richard Demmitt 2/4/85  
 DATE

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND METS TECHNICAL REQUIREMENTS.  
 Stephen K. Huber 7/10/85  
 U.S. SOIL CONSERVATION SERVICE  
 THIS DEVELOPMENT PLAN IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.  
 Stephen K. Huber 7/10/85  
 HOWARD COUNTY SOIL CONSERVATION DISTRICT

- GENERAL NOTES**
- 1) ALL WORK SHALL BE DONE IN ACCORDANCE WITH HOWARD COUNTY STANDARDS, SPECIFICATIONS AND DETAILS FOR CONSTRUCTION.
  - 2) ALL UTILITY COMPANIES MUST BE NOTIFIED 24HRS. IN ADVANCE OF ANY CONSTRUCTION.
  - 3) STORM DRAINAGE TRENCHES WITHIN ROAD RIGHT-OF-WAYS SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH HOWARD COUNTY ROAD CODE.
  - 4) ANY DAMAGE TO PUBLIC RIGHT-OF-WAYS OR PAVING WILL BE CORRECTED AT THE CONTRACTORS EXPENSE.
  - 5) CONTRACTOR TO NOTIFY THE HOWARD COUNTY INSPECTION AND SURVEY DIVISION AT LEAST 3 DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS-TELEPHONE: 792-7272.

APPROVED DEPARTMENT OF PUBLIC WORKS  
 7-12-85  
 CHIEF, BUREAU OF ENGINEERING

APPROVED OFFICE OF PLANNING AND ZONING  
 7-10-85  
 AND ZONING ADMINISTRATION



**BRIGHTON PINES SECTION I AREA 2**  
 5TH ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND

**LAKESIDE DRIVE PLAN AND PROFILE** | **LORIA COURT PLAN**

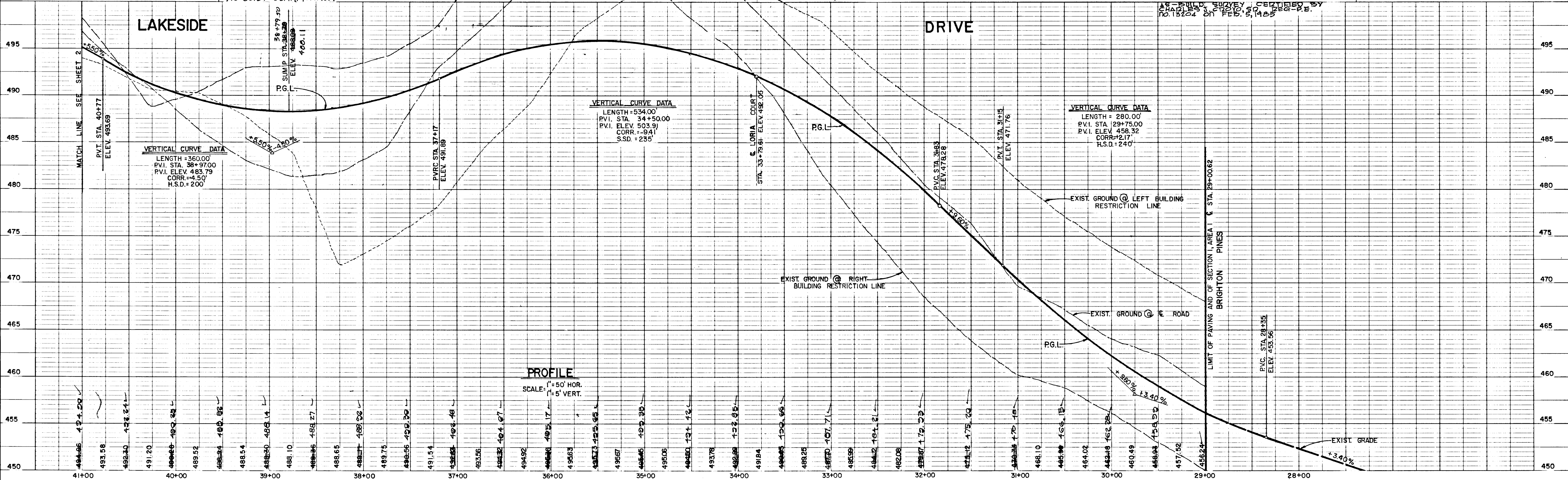
OWNER AND DEVELOPER  
 HIGHLAND DEVELOPMENT CORPORATION  
 13690 NICHOLS DRIVE  
 CLARKSVILLE, MARYLAND 21029

SCALE AS SHOWN | DATE JAN. 31, 1985 | DWG. NO. 1 OF 4  
 DES. C. CROVO | DRN. R. ISAACS | CHK. R.B. CARTER

**FISHER, COLLINS AND CARTER, INC.**  
 CIVIL ENGINEERS AND LAND SURVEYORS  
 8388 COURT AVE. | ELLICOTT CITY, MARYLAND 21043

|            |  |
|------------|--|
| DATE       |  |
| BY         |  |
| PLAN       |  |
| SURVEYED   |  |
| ALIGNED    |  |
| CHECKED    |  |
| RT. OF WAY |  |
| NO.        |  |

|           |  |
|-----------|--|
| DATE      |  |
| BY        |  |
| PROFILE   |  |
| SURVEYED  |  |
| ALIGNED   |  |
| CHECKED   |  |
| NOTATIONS |  |
| NO.       |  |



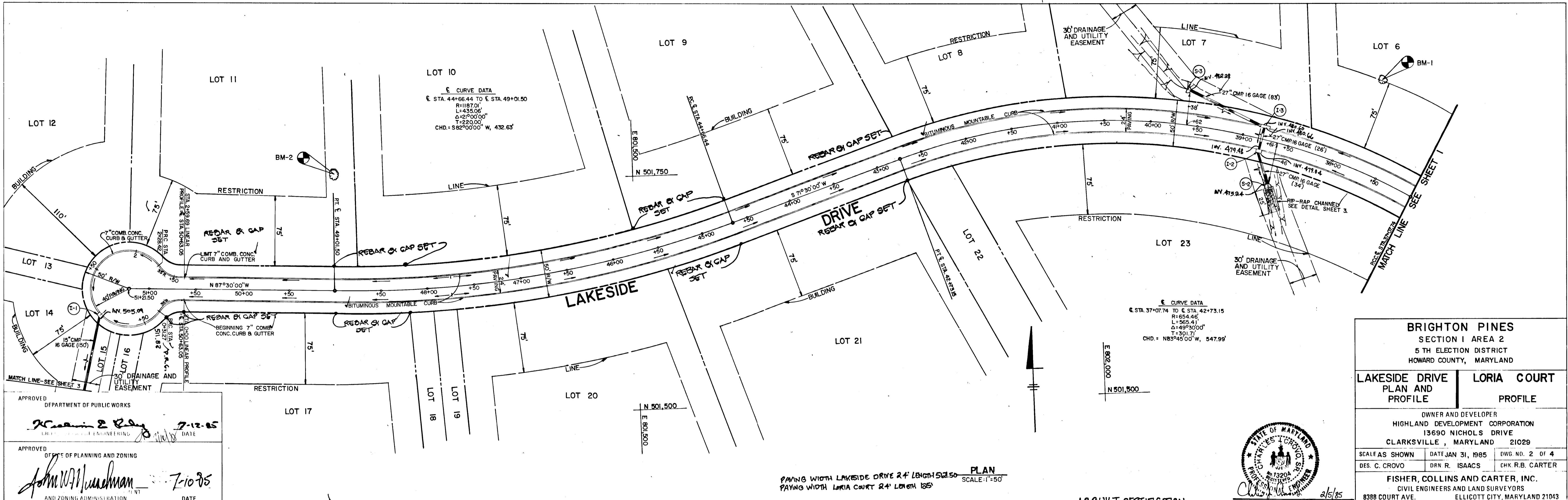
#1094

2/2/88

F 85-99

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SURVEYED: \_\_\_\_\_  
 PLOTTED: \_\_\_\_\_  
 GRADES CHECKED: \_\_\_\_\_  
 STRUCTURE NOTATIONS CHECKED: \_\_\_\_\_  
 NOTE BOOK NO. \_\_\_\_\_

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SURVEYED: \_\_\_\_\_  
 PLOTTED: \_\_\_\_\_  
 GRADES CHECKED: \_\_\_\_\_  
 STRUCTURE NOTATIONS CHECKED: \_\_\_\_\_  
 NOTE BOOK NO. \_\_\_\_\_



APPROVED  
 DEPARTMENT OF PUBLIC WORKS  
*William E. Ray* 7-12-85  
 DATE

APPROVED  
 OFFICE OF PLANNING AND ZONING  
*John W. Hurdman* 7-10-85  
 DATE

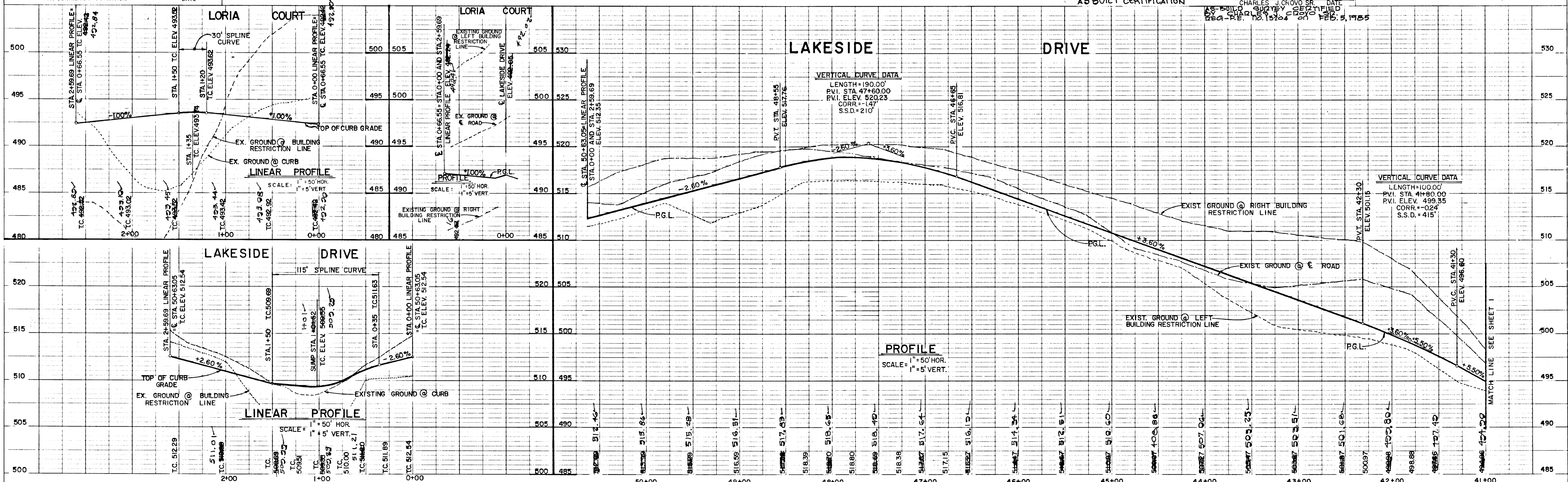
**BRIGHTON PINES**  
 SECTION I AREA 2  
 5 TH ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND

**LAKESIDE DRIVE PLAN AND PROFILE** | **LORIA COURT PROFILE**

OWNER AND DEVELOPER  
 HIGHLAND DEVELOPMENT CORPORATION  
 13690 NICHOLS DRIVE  
 CLARKSVILLE, MARYLAND 21029

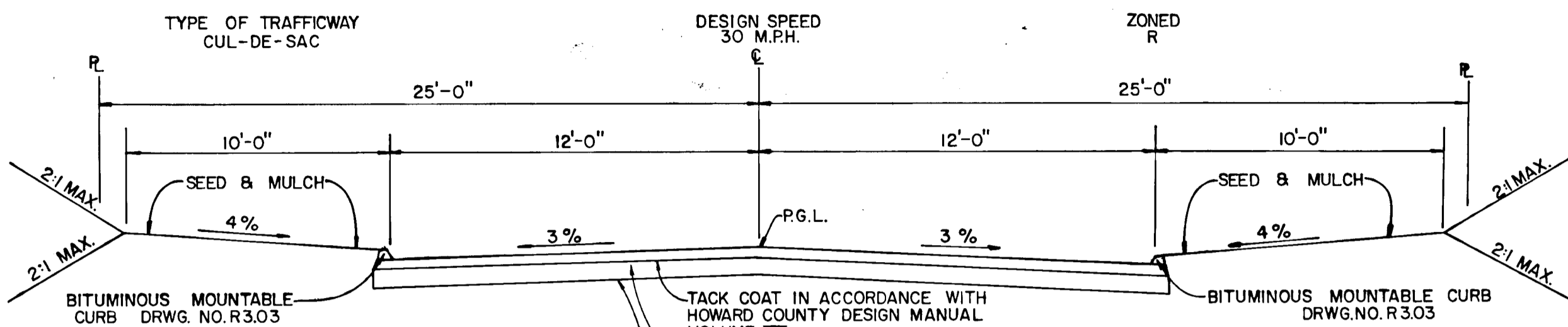
SCALE AS SHOWN | DATE JAN 31, 1985 | DWG NO. 2 OF 4  
 DES. C. CROVO | DRN R. ISAACS | CHK R.B. CARTER

FISHER, COLLINS AND CARTER, INC.  
 CIVIL ENGINEERS AND LAND SURVEYORS  
 8388 COURT AVE. ELLICOTT CITY, MARYLAND 21043



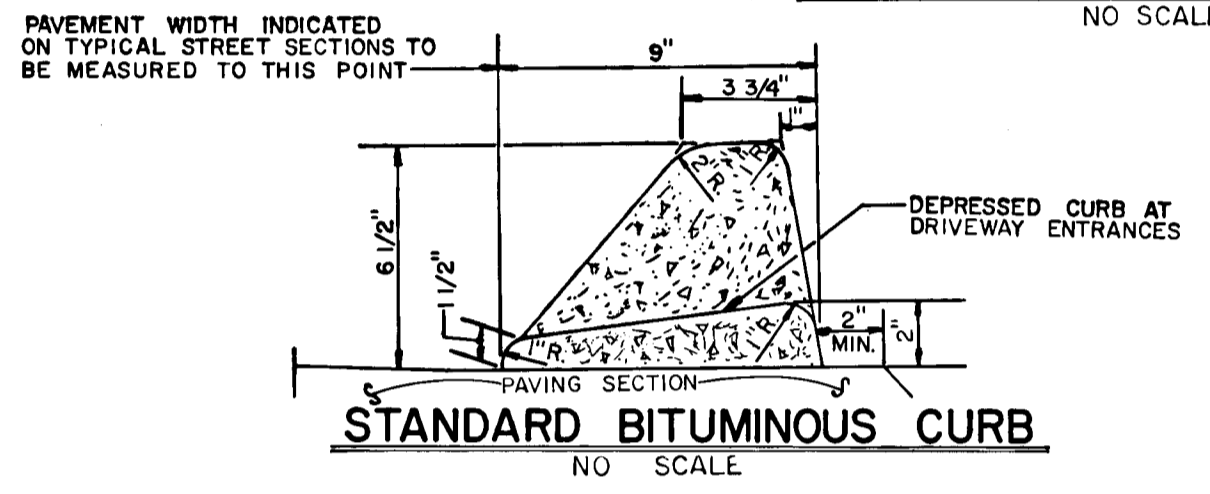
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**LAKESIDE DRIVE & LORIA COURT**  
 STA. 28+62.62 TO STA.50+63.05      STA.0+00 TO STA.0+66.55

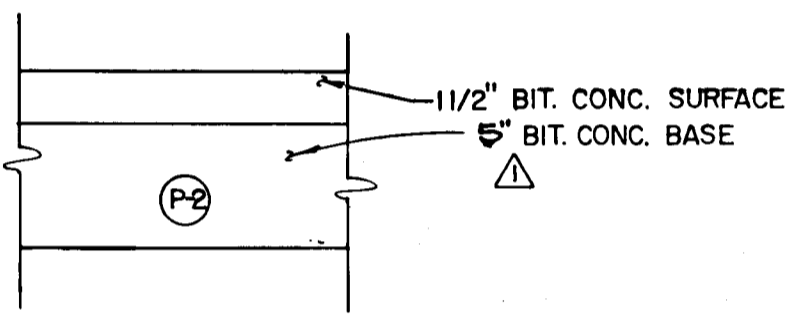


NOTE: ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH HOWARD COUNTY DESIGN MANUAL VOLUME IV STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION.

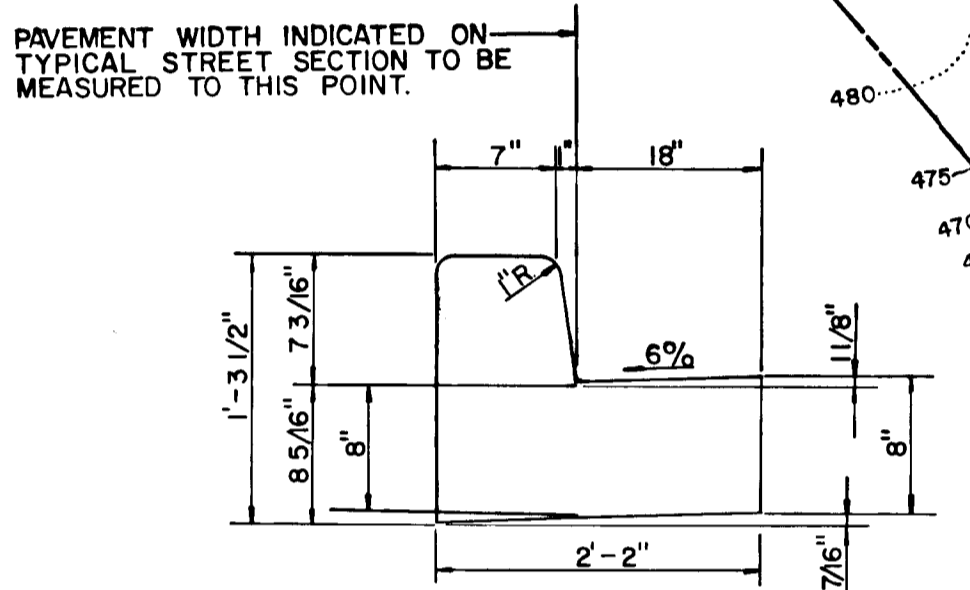
**TYPICAL ROADWAY SECTION**  
NO SCALE



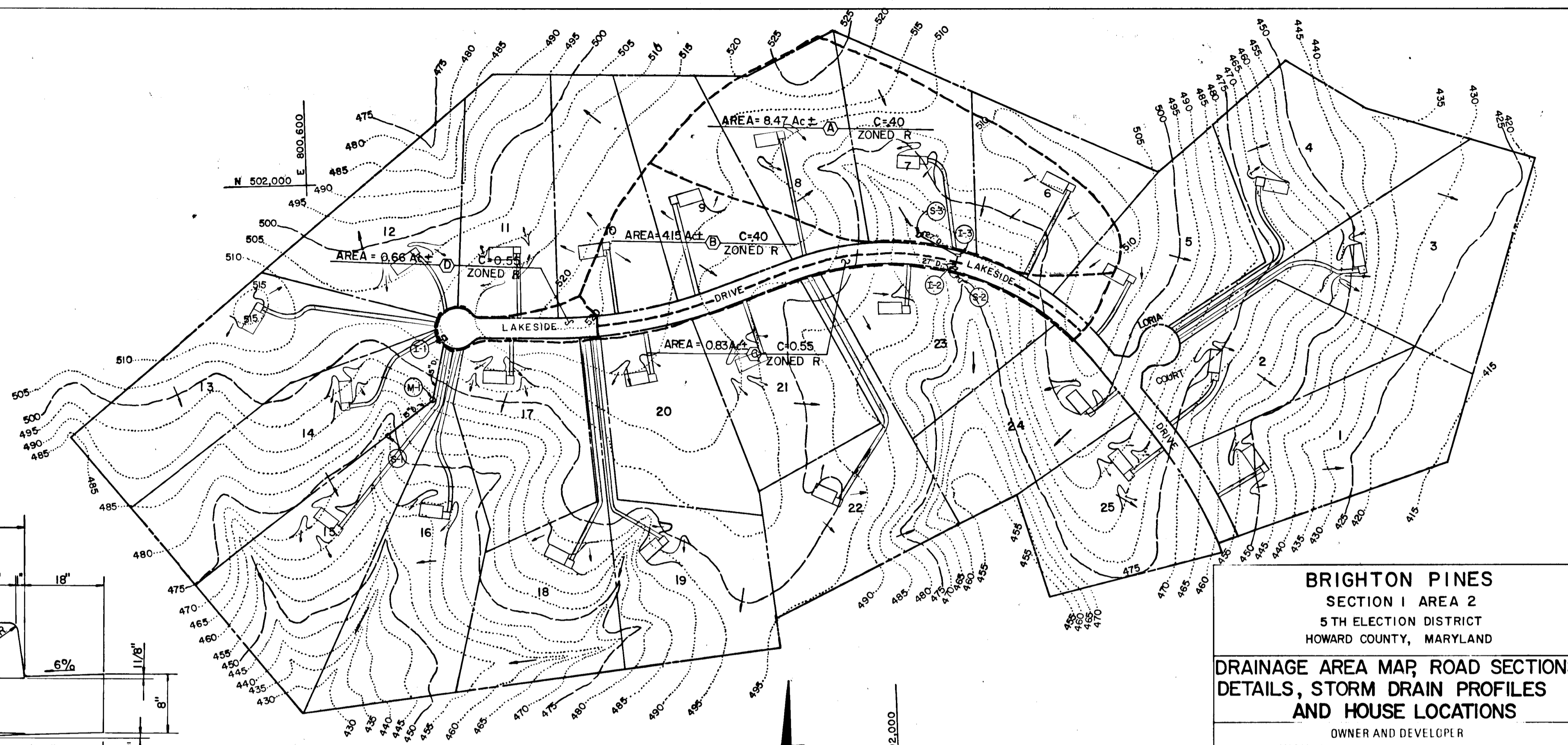
**STANDARD BITUMINOUS CURB**  
NO SCALE



**PAVING SECTION P-2**  
NO SCALE



**STANDARD 7" COMBINATION CURB AND GUTTER**  
NO SCALE



**DRAINAGE AREA MAP**  
SCALE: 1"=200'

**BRIGHTON PINES SECTION I AREA 2**  
 5TH ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND

**DRAINAGE AREA MAP, ROAD SECTIONS, DETAILS, STORM DRAIN PROFILES AND HOUSE LOCATIONS**

OWNER AND DEVELOPER  
 HIGHLAND DEVELOPMENT CORPORATION  
 13690 NICHOLS DRIVE  
 CLARKSVILLE, MARYLAND 21029

SCALE AS SHOWN      DATE JAN 31, 1985      DWG NO. 3 OF 4  
 DES. C. CROVO      DRN. R. ISAACS      CHK. R.B. CARTER

**FISHER, COLLINS AND CARTER, INC.**  
 CIVIL ENGINEERS AND LAND SURVEYORS  
 8388 COURT AVE.      ELLICOTT CITY, MARYLAND 21043

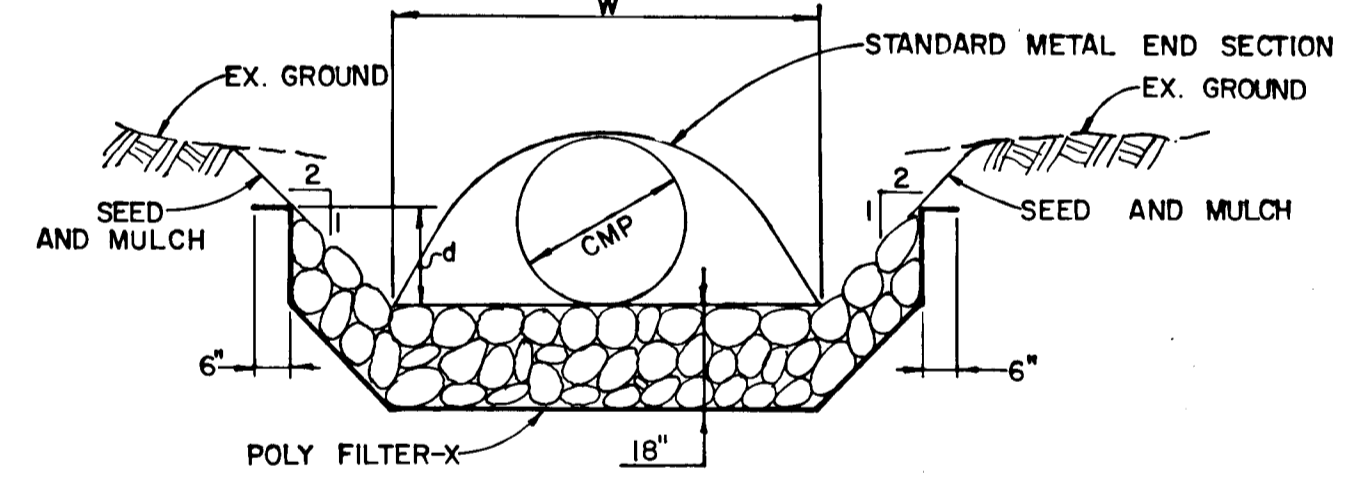


APPROVED  
 DEPARTMENT OF PUBLIC WORKS  
*William E. Pugh*      7-12-85  
 CHIEF, BUREAU OF ENGINEERING      DATE

APPROVED  
 OFFICE OF PLANNING AND ZONING  
*John M. Murchman*      7-10-85  
 AND ZONING ADMINISTRATION      DATE

NO DATE REVISION

|   |         |   |
|---|---------|---|
| 1 | 0-10-85 | REVISE PAVING SECTION TO FULL BITUMINOUS INSTEAD OF COMBINED CURB |
|---|---------|---|



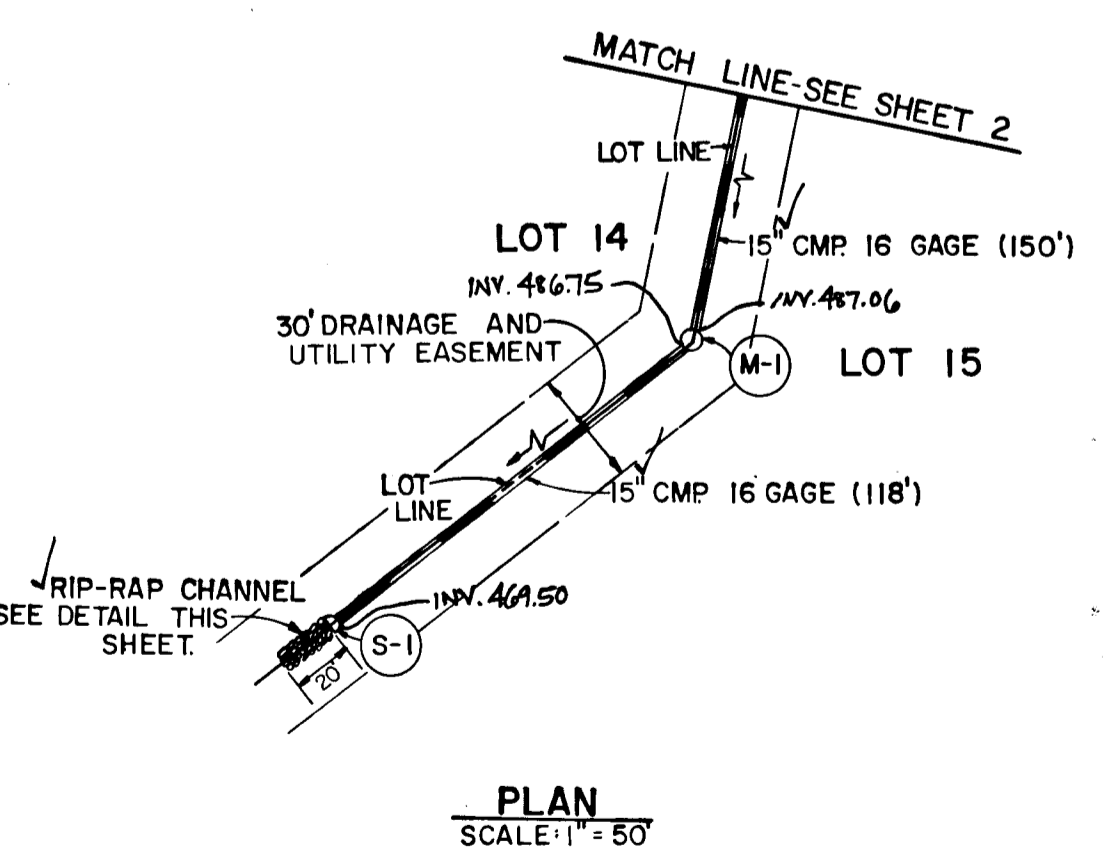
**RIP-RAP CHANNEL DETAIL**  
NO SCALE

**CHANNEL DESIGN DATA**

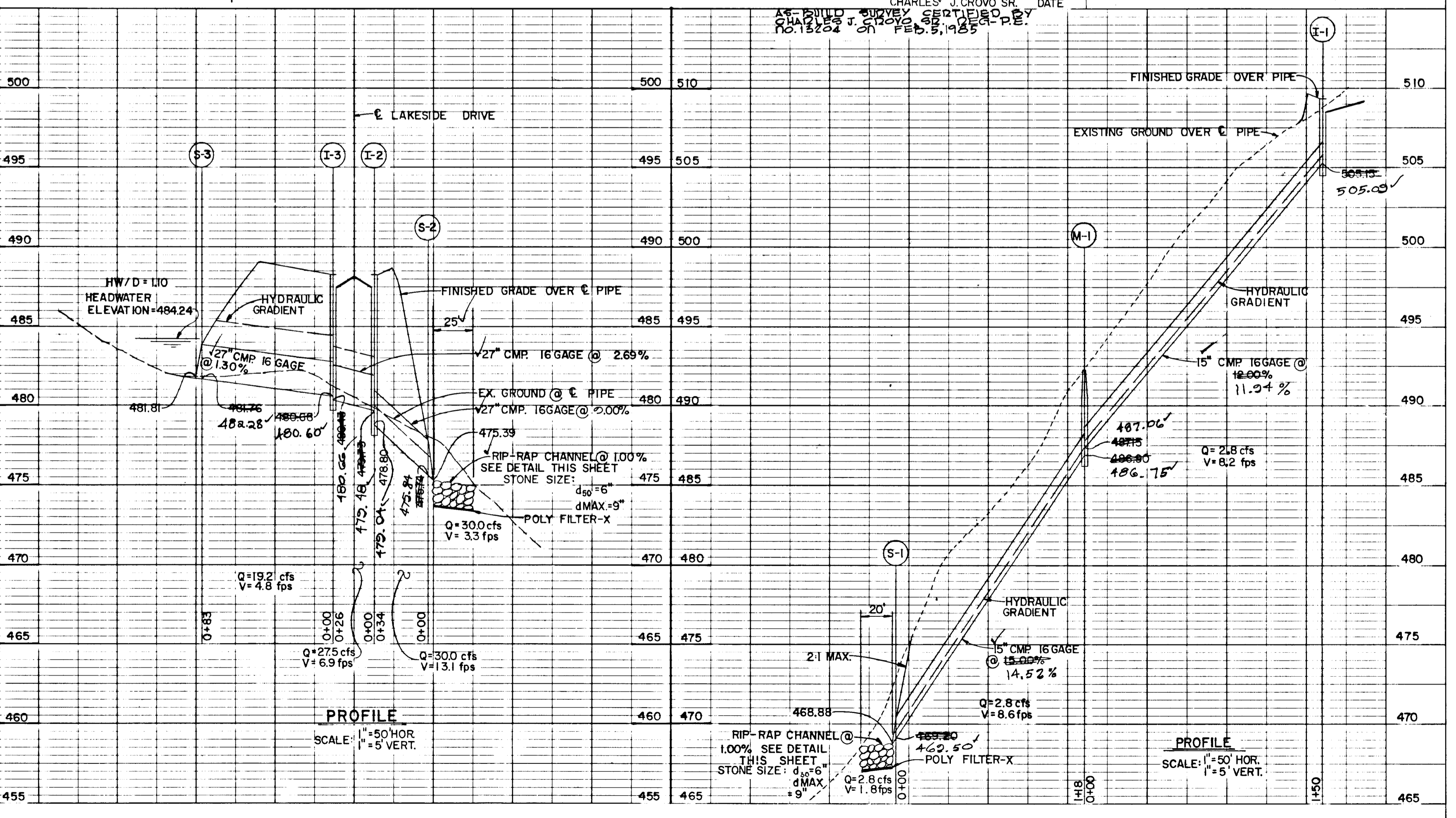
| STRUCTURE | A     | P      | R      | R2/3   | S     | S 1/2  | n    | w     | d     |
|-----------|-------|--------|--------|--------|-------|--------|------|-------|-------|
| S-1       | 1.57' | 4.84'  | 0.3244 | 0.4721 | 1.00% | 0.1000 | 0.04 | 3.00' | 0.41' |
| S-2       | 9.24' | 11.28' | 0.8191 | 0.8754 | 1.00% | 0.1000 | 0.04 | 6.50' | 1.07' |

**STRUCTURE SCHEDULE**

| NO. | TYPE                       | INV. IN | INV. OUT | ℄ STATION | ℄ TOP ELEVATION | REMARKS       |
|-----|----------------------------|---------|----------|-----------|-----------------|---------------|
| I-1 | A-5                        | 495.15  | 505.00   | 38+79     | 509.35          | DRWG. SD 4.01 |
| I-2 | A-5                        | 488.25  | 498.10   | 38+79     | 492.25          | DRWG. SD 4.01 |
| I-3 | A-10                       | 480.68  | 490.25   | 1+01.52   | 488.25          | DRWG. SD 4.02 |
| M-1 | STANDARD MANHOLE           | 487.06  | 488.50   |           | 487.80          | DRWG. G 5.01  |
| S-1 | STANDARD METAL END SECTION | 488.20  | 490.50   |           | 489.35          | DRWG. SD 5.61 |
| S-2 | STANDARD METAL END SECTION | 475.34  | 477.50   |           | 476.42          | DRWG. SD 5.61 |
| S-3 | STANDARD METAL END SECTION | 481.78  | 482.31   |           | 482.05          | DRWG. SD 5.61 |



**PLAN**  
SCALE: 1"=50'



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

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

DATE  
 BY  
 SURVEYED  
 PLOTTED  
 CHECKED  
 NOTE BOOK NO.  
 PART OF WAY CHECKED.

DATE  
 BY  
 SURVEYED  
 PLOTTED  
 CHECKED  
 NOTE BOOK NO.  
 STRUCTURE NOTATIONS CHECKED.

#1094

2/2/88

AS BUILT

