

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 24 HOURS IN ADVANCE OF ANY CONSTRUCTION.
3. STORM DRAIN PIPE TRENCHES WITHIN ROAD RIGHTS OF WAY SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH HOWARD COUNTY ROAD CODE.
4. ANY DAMAGE TO PUBLIC RIGHTS OF WAY SHALL BE AT THE CONTRACTOR'S EXPENSE.
5. CONTRACTOR TO NOTIFY THE HOWARD COUNTY INSPECTION AND SURVEY DIVISION AT LEAST 3 DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWING, TELEPHONE 792-7272.
6. ALL TRAFFIC CONTROL DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES 1984 REVISED EDITION.

BENCH MARKS

STATION 3830004	ELEV. 743.493
3/4" REINF. ROD 0.7' BELOW SURFACE N/S MD. RTE. 144	
STATION 3829003	ELEV. 768.456
3/4" REINF. ROD 0.5' BELOW SURFACE N/S MD. RTE. 144	

DATE	BY	NO.

APPROVED DEPARTMENT OF PUBLIC WORKS

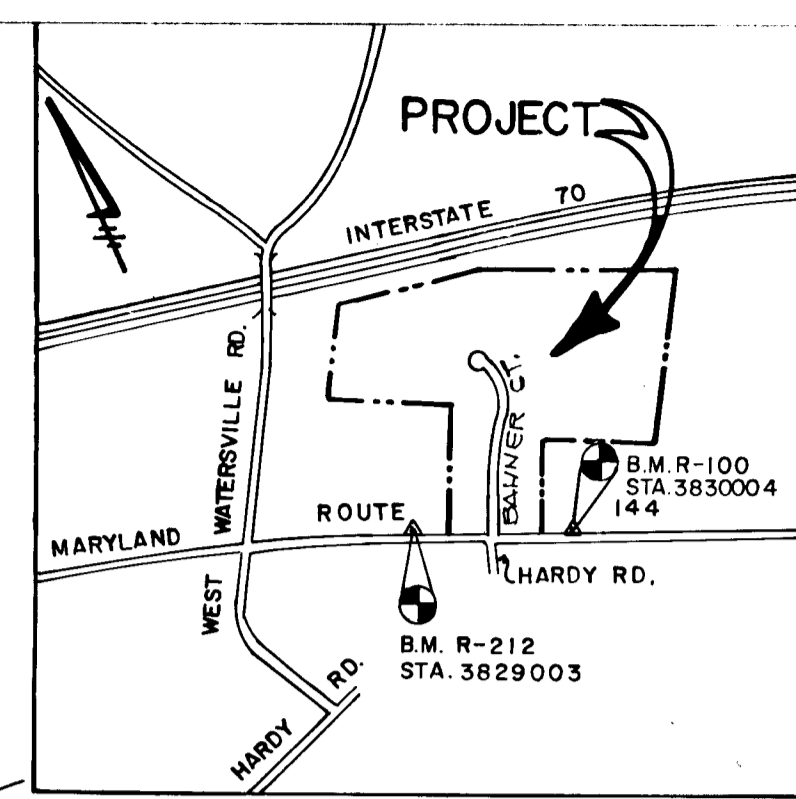
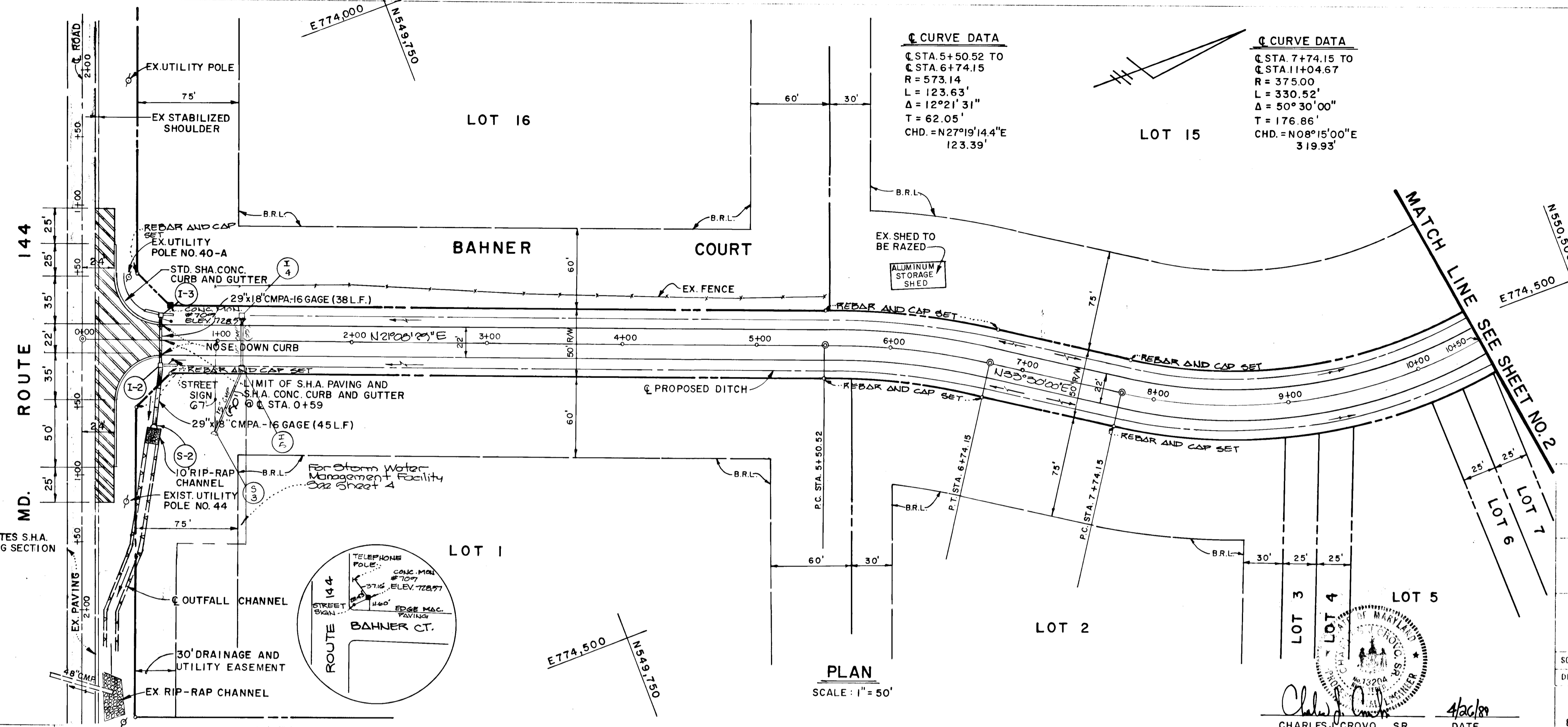
Donald J. Sorenson 12/21/89

APPROVED DEPARTMENT OF PUBLIC WORKS

Shawnee W. Weisland 12/20/89

APPROVED DEPARTMENT OF PLANNING AND ZONING

Richard Blood 1/2/90



THIS AS-BUILT SURVEY IS CERTIFIED BY CHARLES J. CROVO, MD. PE. NO. 13204 DATE 1/17/91

QUAIL MEADOW
LOTS 1-16
4TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

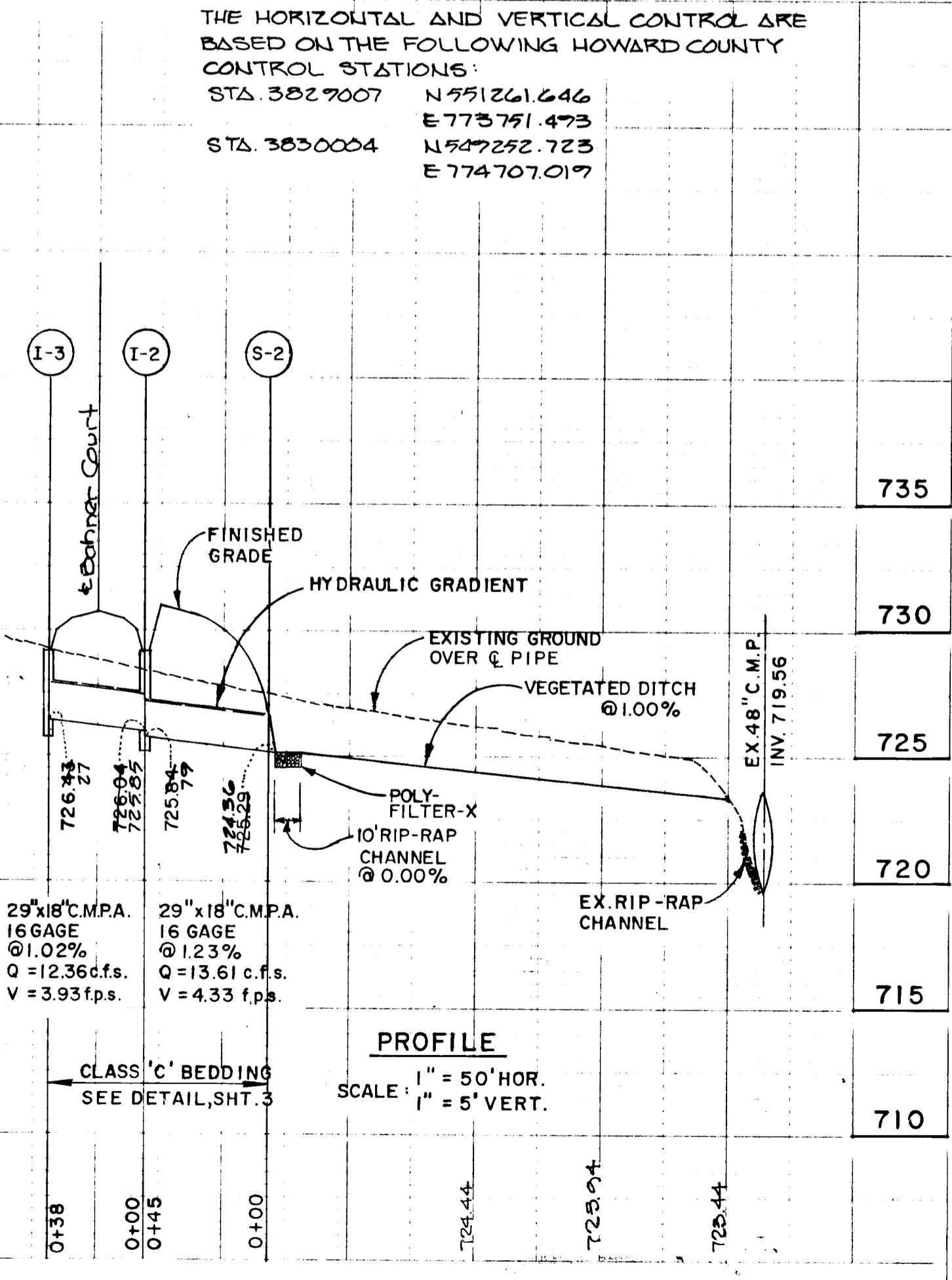
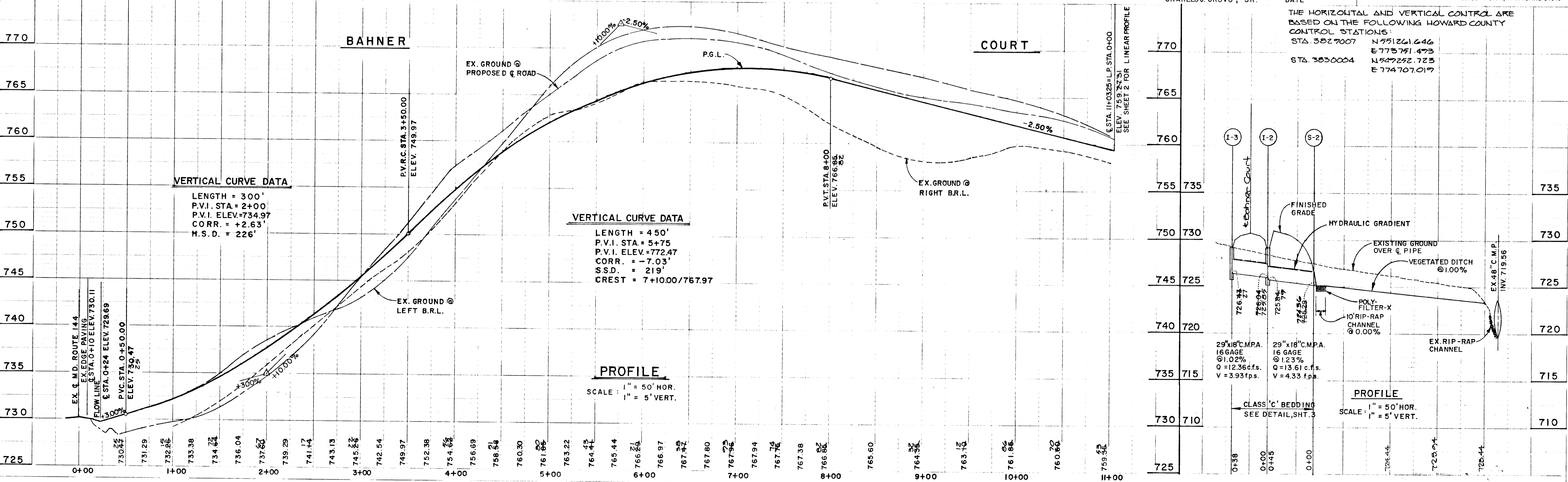
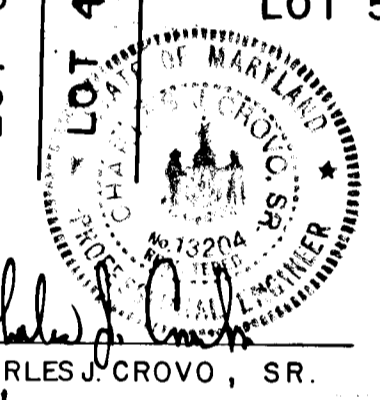
BAHNER COURT
PLAN AND PROFILE

OWNER AND DEVELOPER
FRALL DEVELOPERS, INC.
P.O. BOX 659
MT. AIRY, MARYLAND 21771

SCALE: AS SHOWN DATE: APRIL 20, 1989

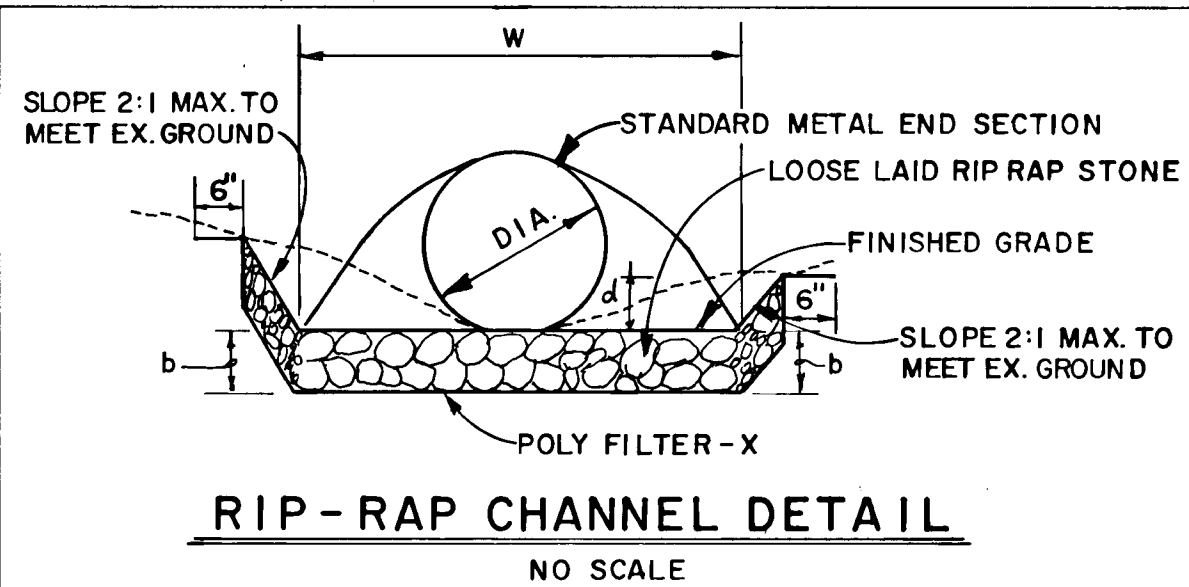
DES. A.M. VITUCCI, JOHN A. STEINBERG, C.J. CROVO

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



AS-BUILT 1/17/91

1533



☉ CURVE DATA
 ☉ STA. 11+04.67 TO
 ☉ STA. 11+73.68
 R = 109.62'
 L = 69.01'
 Δ = 36°04'15"
 T = 35.69'
 CHD. = N 35°02'08" W,
 67.88'

RIP-RAP CHANNEL DESIGN DATA

STRUCTURE	A	P	R	R ^{2/3}	S%	S ^{1/2}	n	Q c.f.s.	V f.p.s.	d ft.	W ft.	RIP-RAP SIZE	b
												d 50"	d MAX
S-1	2.846	11.208	0.254	0.400	0.50%	0.005	0.035	3.42	1.20	0.27	10.0	4"	6"
S-2	6.172	9.622	0.641	0.744	0.50%	0.005	0.035	13.76	2.23	0.81	6.0	4"	6"

DATE: _____
 BY: _____
 SURVEYED: _____
 CHECKED: _____
 ALIGNED: _____
 RT. OF WAY CHECKED: _____
 NOTE BOOK NO.: _____

APPROVED
 DEPARTMENT OF PUBLIC WORKS
Samuel S. Jagan 12/21/89
 CHIEF, BUREAU OF ENGINEERING

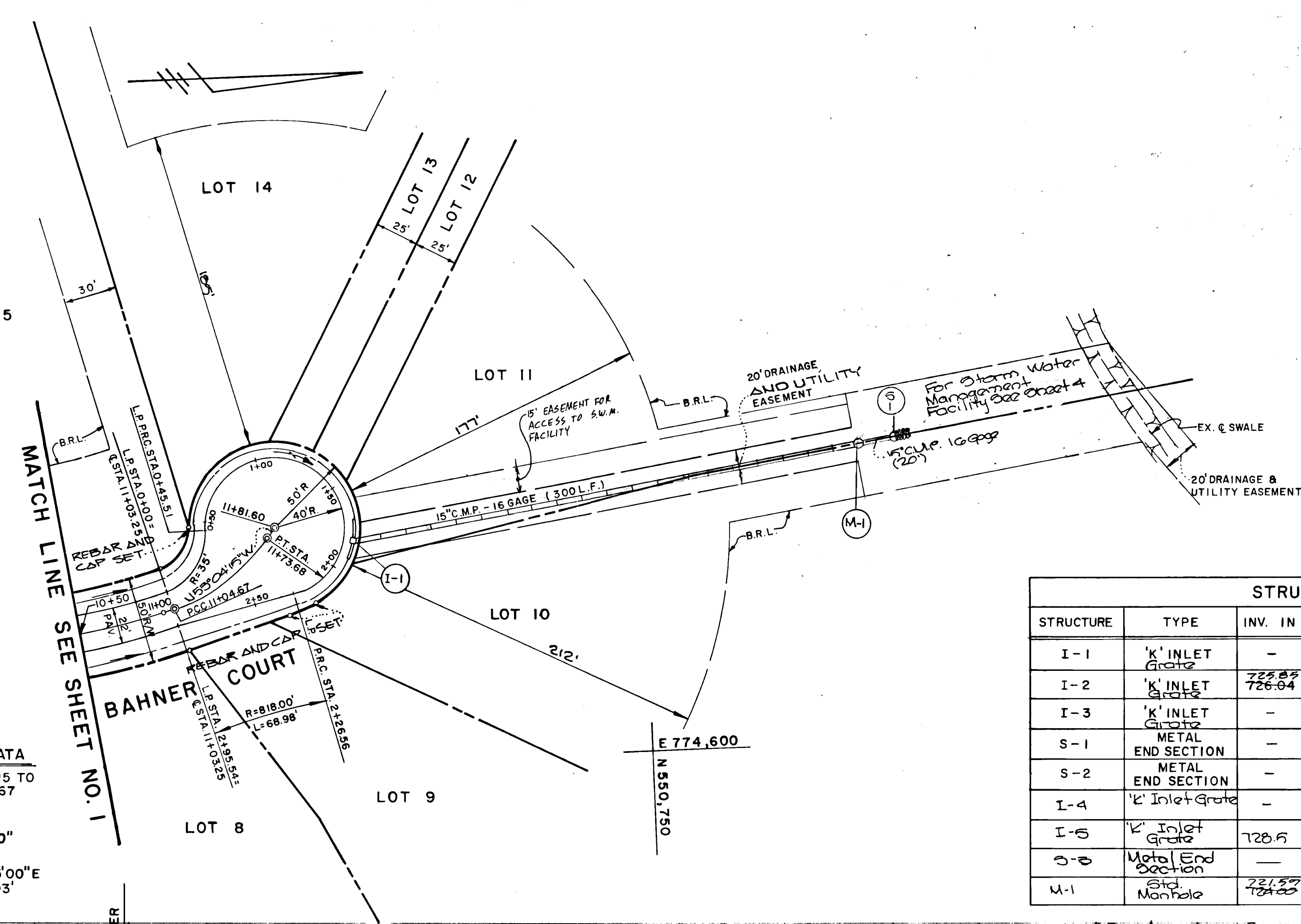
APPROVED
 DEPARTMENT OF PLANNING AND ZONING
Tranville W. Weiland 11/30/89
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

APPROVED
 DEPARTMENT OF PUBLIC WORKS
William E. Raley 12-26-89
 CHIEF, BUREAU OF ENGINEERING

APPROVED
 DEPARTMENT OF PLANNING AND ZONING
Richard Blood 1/2/90
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

APPROVED
 DEPARTMENT OF PLANNING AND ZONING
 HOWARD COUNTY,
 MARYLAND
 DATE: JAN 2, 1990

☉ CURVE DATA
 ☉ STA. 7+74.15 TO
 ☉ STA. 11+04.67
 R = 375.00'
 L = 330.52'
 Δ = 50°30'00"
 T = 176.86'
 CHD. = N 08°15'00" E
 319.93'



THIS AS BUILT SURVEY IS CERTIFIED
 BY CHARLES J. CROVO, MD. PE.
 NO. 13204 NO. 1/17/71 DATE



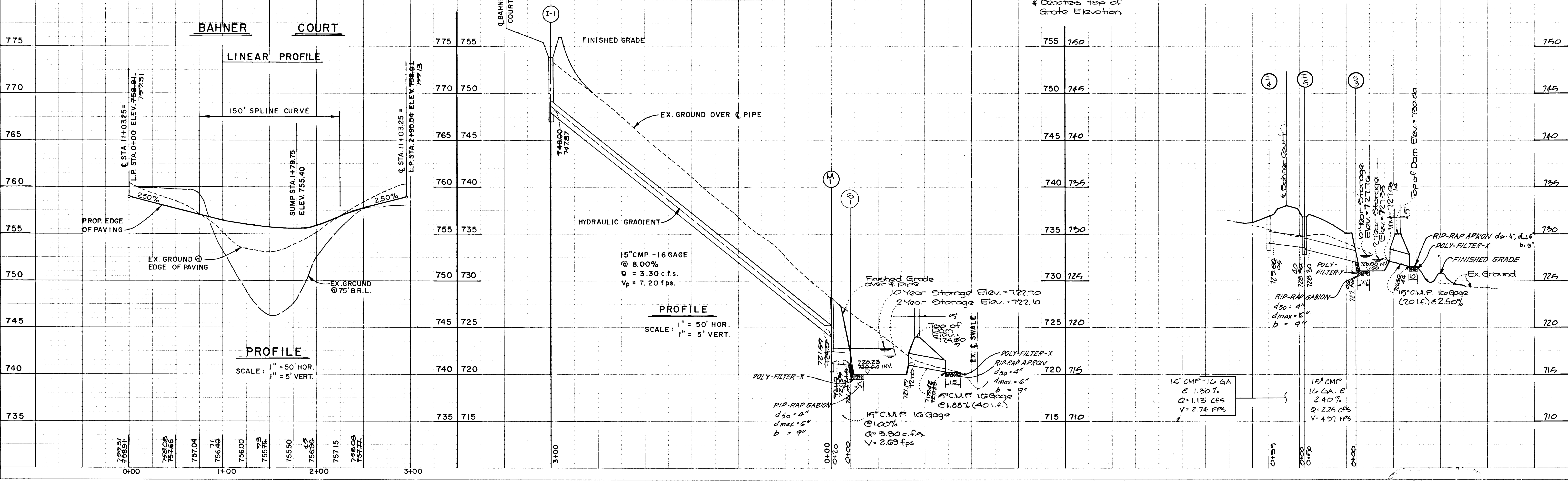
STRUCTURE SCHEDULE

STRUCTURE	TYPE	INV. IN	INV. OUT	ELEV.	STATION	REMARKS
I-1	'K' Inlet Grate	-	747.87	*753.72	LP. 11+79.75	DRWG. SD.-41B
I-2	'K' Inlet Grate	725.84	725.79	*729.00	☉0+59.00 LT.	DRWG. SD.-41B
I-3	'K' Inlet Grate	-	726.27	*729.00	☉0+59.00 RT.	DRWG. SD.-41B
S-1	Metal End Section	-	721.79	722.44	-	DRWG. SD.-561
S-2	Metal End Section	-	724.30	725.24	-	DRWG. SD.-563
I-4	'K' Inlet Grate	-	729.00	*731.84	☉ 1+18 Lt.	DRWG. SD. 41B
I-5	'K' Inlet Grate	728.5	728.53	*731.84	☉ 1+18 Rt.	DRWG. SD. 41B
S-3	Metal End Section	-	727.50	728.35	-	DRWG. SD. 561
M-1	Std. Manhole	721.25	721.25	720.70	-	DRWG. G. 501

QUAIL MEADOW
 LOTS 1-16
 4TH. ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
PLAN AND PROFILE
BAHNER COURT
STORM DRAIN PROFILES
 OWNER AND DEVELOPER
 FRALL DEVELOPERS, INC.
 P.O. BOX 659
 MT. AIRY, MARYLAND 21771

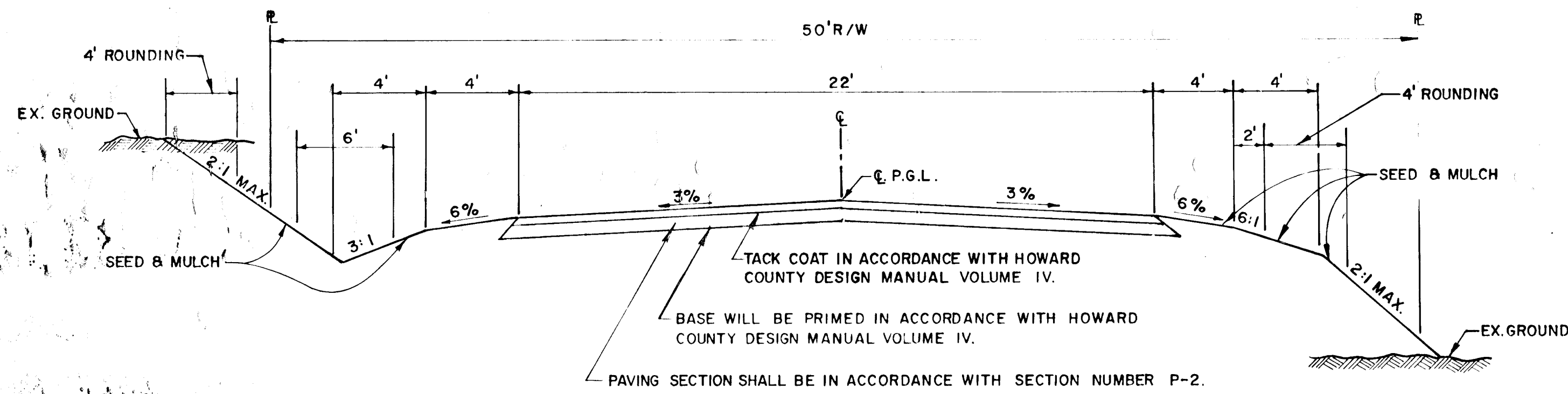
SCALE 1" = 50' DATE APRIL 21, 1989 DWG NO. 2 OF 4
 DES. A.M.V. JRN. A.S. CHS. C.J.C. SR.
 FISHER, COLLINS AND CARTER, INC.
 CIVIL ENGINEERS AND LAND SURVEYORS
 8388 COURT AVE. ELLICOTT CITY, MARYLAND 21043

DATE: _____
 BY: _____
 SURVEYED: _____
 CHECKED: _____
 B.M.'S NOTED: _____
 STRUCTURE NOTATIONS CHECKED: _____
 NOTE BOOK NO.: _____



1533

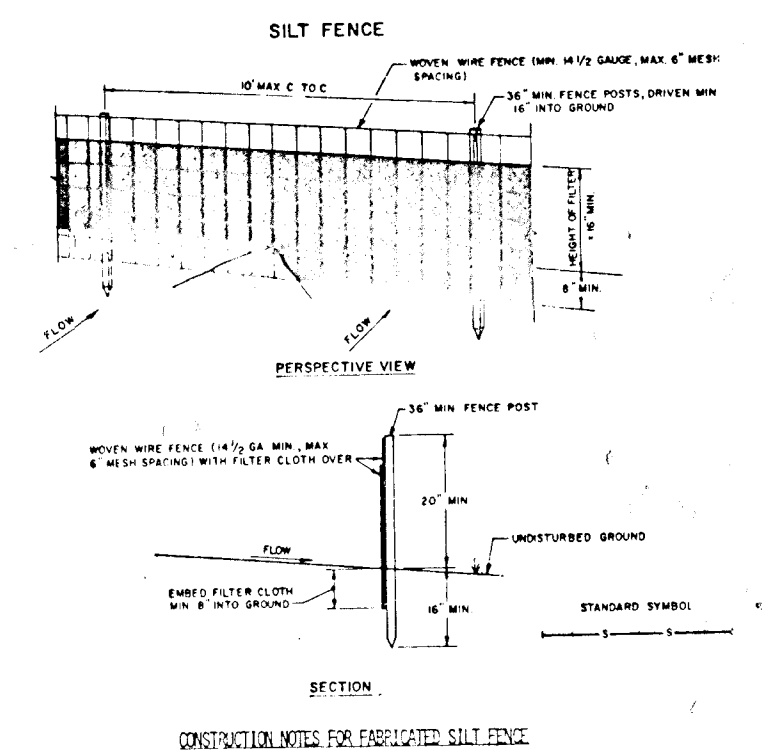
BAHNER COURT
LIMITS @ STA. 0+00 TO @ STA. 11+81.60
CLASSIFICATION CUL DE-SAC ZONED 'R' DESIGN SPEED 30 MPH.



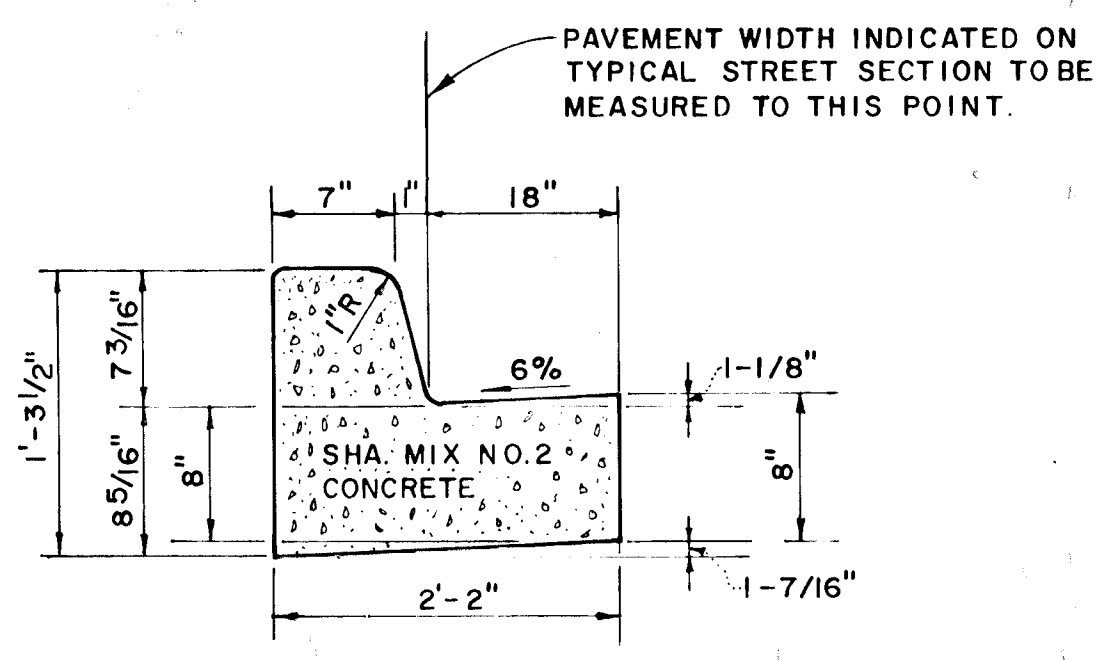
NOTE: ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH HOWARD COUNTY DESIGN MANUAL VOLUME IV. STANDARD SPECIFICATION AND DETAILS FOR CONSTRUCTION.

TYPICAL ROADWAY SECTION

NO SCALE

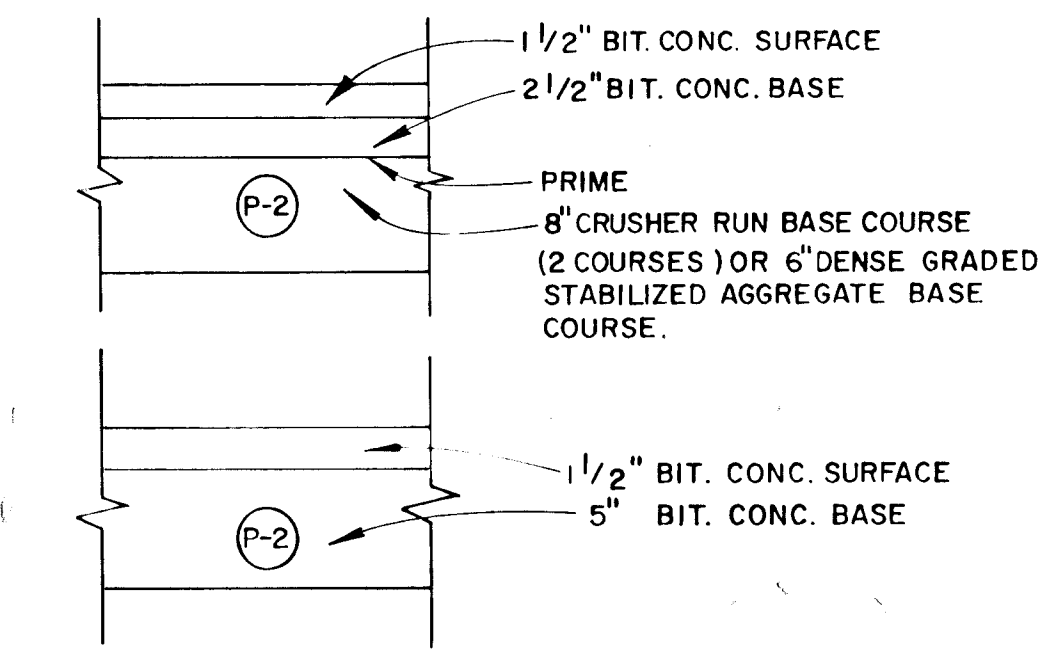


- CONSTRUCTION NOTES FOR FABRICATED SILT FENCE:
1. WOOD WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
 2. FILTER CLOTH TO BE FASTENED SECURELY TO WOOD WIRE FENCE WITH THE STAPLES EVERY 40' AND THE SECTION.
 3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FASTENED.
 4. MAINTENANCE SHALL BE PERFORMED AS NEEDED, AND MATERIAL REPLACED WHEN DAMAGED, OR AS SHOWN IN THE SILT FENCE.
- POSTS: STEEL, 2x4 OR 4x4 TYPE OR APPROVED
FENCE: WOOD WIRE, 36 GA. 3" X 36" MAX. SPACING
FILTER CLOTH: POLYPROPYLENE, 100% NON-WOVEN, 100% LINE TIGHT OR APPROVED EQUAL
PREPARED UNIT: GEAR, SURFACE, OR APPROVED EQUAL



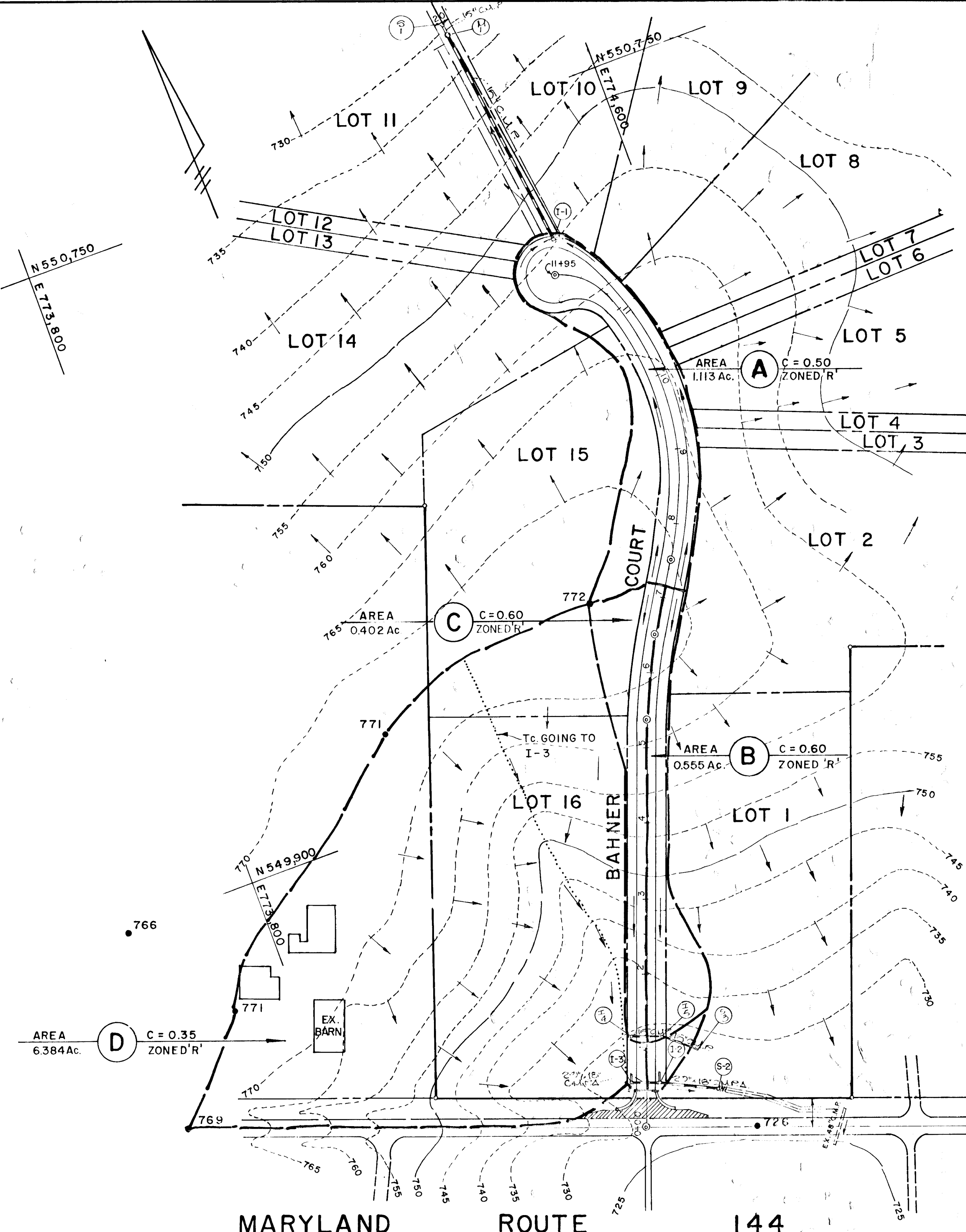
STANDARD 7" COMB. CONC. CURB & GUTTER

NOT TO SCALE



PAVING SECTION P-2

NOT TO SCALE

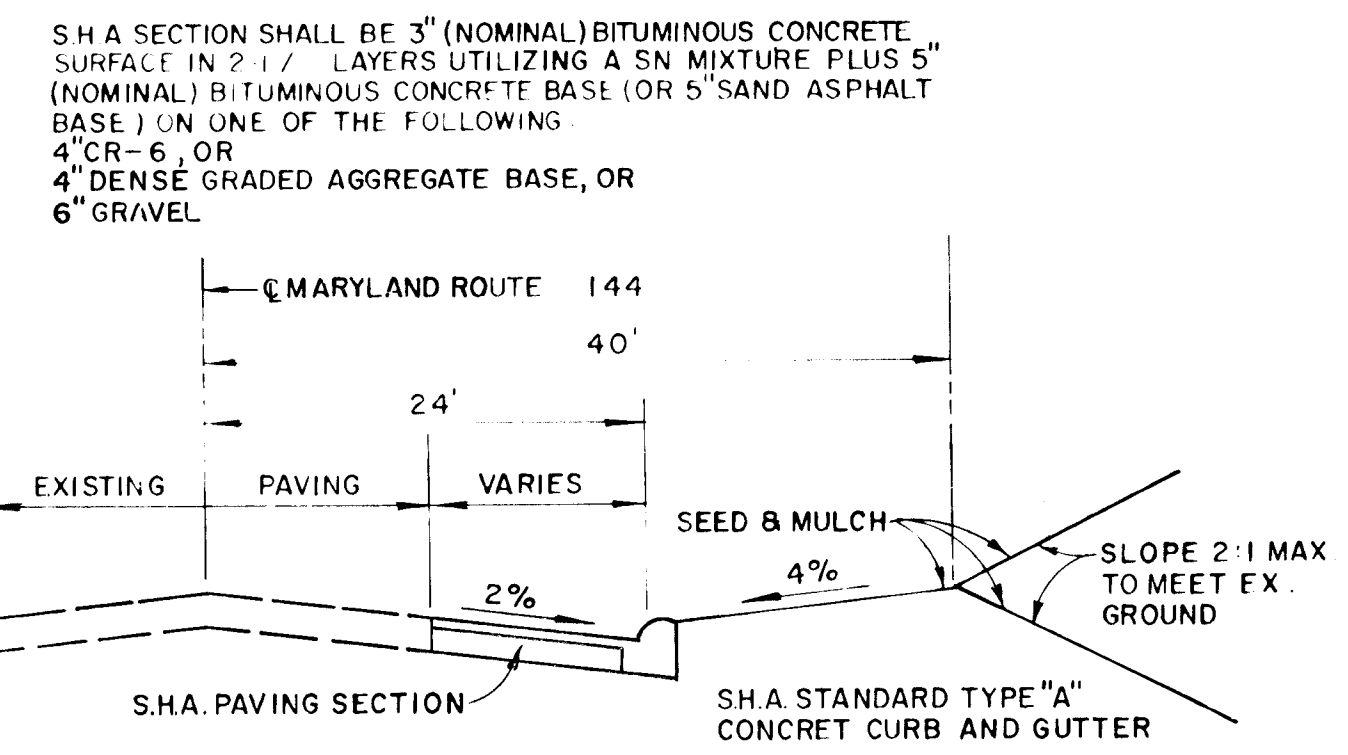


MARYLAND ROUTE 144

DRAINAGE AREA MAP

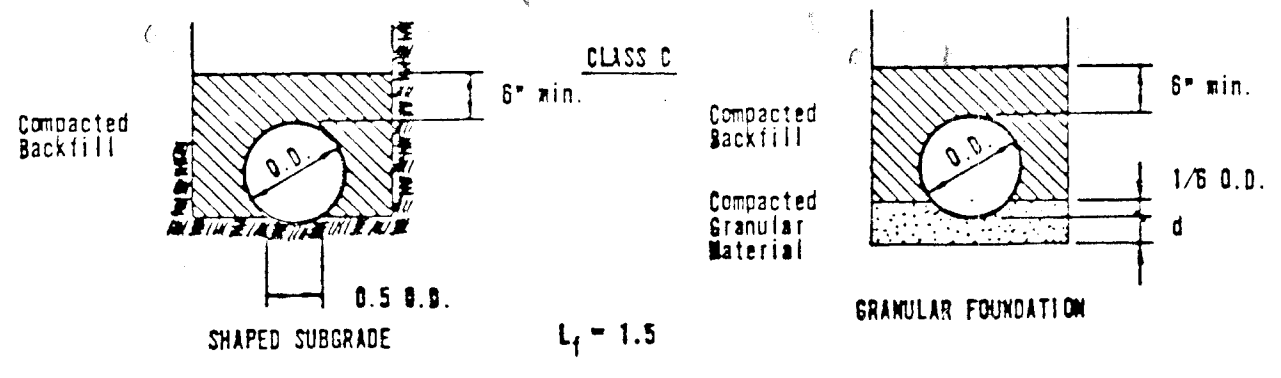
SCALE: 1"=100'

APPROVED
DEPARTMENT OF PUBLIC WORKS
Richard J. Ryan 12/21/89
CHIEF, LAND DEVELOPMENT DIVISION
Frank W. Winkler 12/21/89
CHIEF, BUREAU OF HIGHWAYS
APPROVED
DEPARTMENT OF PUBLIC WORKS
James E. Rieg 12/21/89
CHIEF, BUREAU OF ENGINEERING
APPROVED
DEPT. OF PLANNING AND ZONING
Richard Blood 1/2/90
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT



TYPICAL WIDENING SECTION ALONG MARYLAND ROUTE 144

NO SCALE



DEPTH OF BEDDING MATERIAL BELOW PIPE	
Ø	d(min.)
27" & smaller	3"

PIPE BEDDING DETAIL

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

OWNER AND DEVELOPER
FRALL DEVELOPERS, INC.
P.O. BOX 659
MT. AIRY, MARYLAND 21771

Charles U. Crovo, Sr.
 CHARLES U. CROVO, SR.
 DATE: 4/26/89

NOTES AND DETAILS
QUAIL MEADOW
LOTS 1-16
4TH. ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
SCALE: AS SHOWN APRIL 21, 1989
SHEET 3 OF 4

1533

