

GENERAL NOTES:

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH HOWARD COUNTY STANDARDS, SPECIFICATION AND DETAILS FOR CONSTRUCTION.
2. ALL UTILITY COMPANIES MUST BE NOTIFIED 24 HOURS IN ADVANCE OF ANY CONSTRUCTION.
3. ANY DAMAGE TO PUBLIC RIGHTS OF WAY OR PAVING WILL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.
4. CONTRACTOR TO NOTIFY THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS AND PERMITS AT LEAST THREE (3) DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS. TELEPHONE 992-2436.
5. STORM DRAIN TRENCHES WITHIN ROAD RIGHT-OF-WAYS SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH THE HOWARD COUNTY ROAD CODE.

STREET LIGHTS

TYPE "A" ITS WANT "MODERN" MERCURY VAPOR FOOT TOP FIXTURES INSTALLED ON 14' (FOOT) GRAY FIBERGLASS POLES.

BENCH MARKS

"B.M.E.-15" ELEV. 343.90
IRON PIPE WITH TACK SET 10' SOUTHWEST FROM REAR CORNER OF LOTS 3 AND 4

"B.M.E.-5" ELEV. 302.20
IRON PIPE WITH TACK SET 6' NORTHEAST FROM REAR CORNER OF LOTS 11 AND 12 IN LAKEVIEW SECTION 4 AREA 1

APPROVED: *[Signature]* DATE: 3/22/83
CHIEF, BUREAU OF ENGINEERING

APPROVED: *[Signature]* DATE: 3/20/83
OFFICE OF PLANNING AND ZONING AND ZONING ADMINISTRATION

CURVE DATA

STA. 14+06.50 TO STA. 16+70.42
R = 350.00'
L = 183.43'
T = 93.08'
 $\Delta = 30^{\circ} 01' 42''$
CHD. = $5^{\circ} 12' 50'' 09''$ W
181.34'

CURVE DATA

STA. 11+73.53 TO STA. 14+38.09
R = 200.00'
L = 258.51'
T = 150.87'
 $\Delta = 74^{\circ} 03' 24''$
CHD. = $5^{\circ} 04' 16'' 39''$ E
240.88'

CURVE DATA

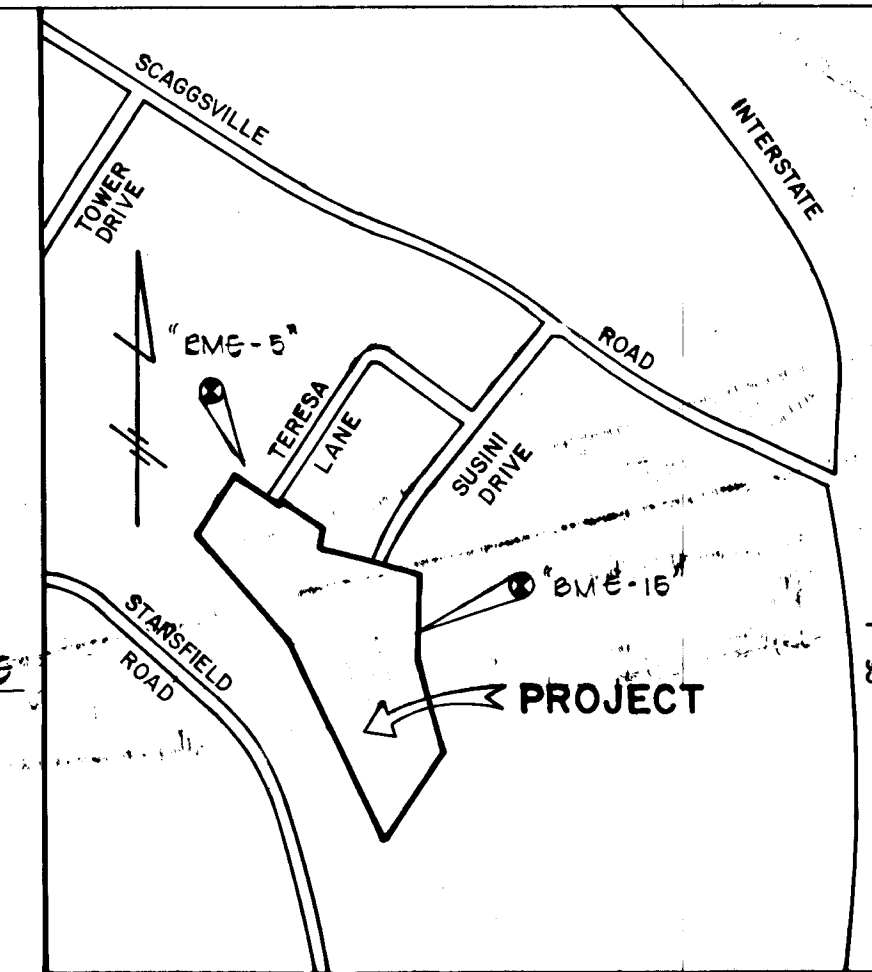
STA. 16+08.42 TO STA. 17+85.46
R = 200.00'
L = 177.04'
T = 94.70'
 $\Delta = 60^{\circ} 43' 01''$
CHD. = $5^{\circ} 06' 40'' 12''$ E
171.31'

CURVE DATA

STA. 11+85.81 TO STA. 13+21.09
R = 350.00'
L = 136.18'
T = 68.96'
 $\Delta = 22^{\circ} 17' 34''$
CHD. = $5^{\circ} 08' 07'' 05''$ W
130.32'

PLAN

SCALE: 1" = 50'



VICINITY MAP

SCALE: 1" = 800'

LAKEVIEW SECTION 4, AREA 2
6TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

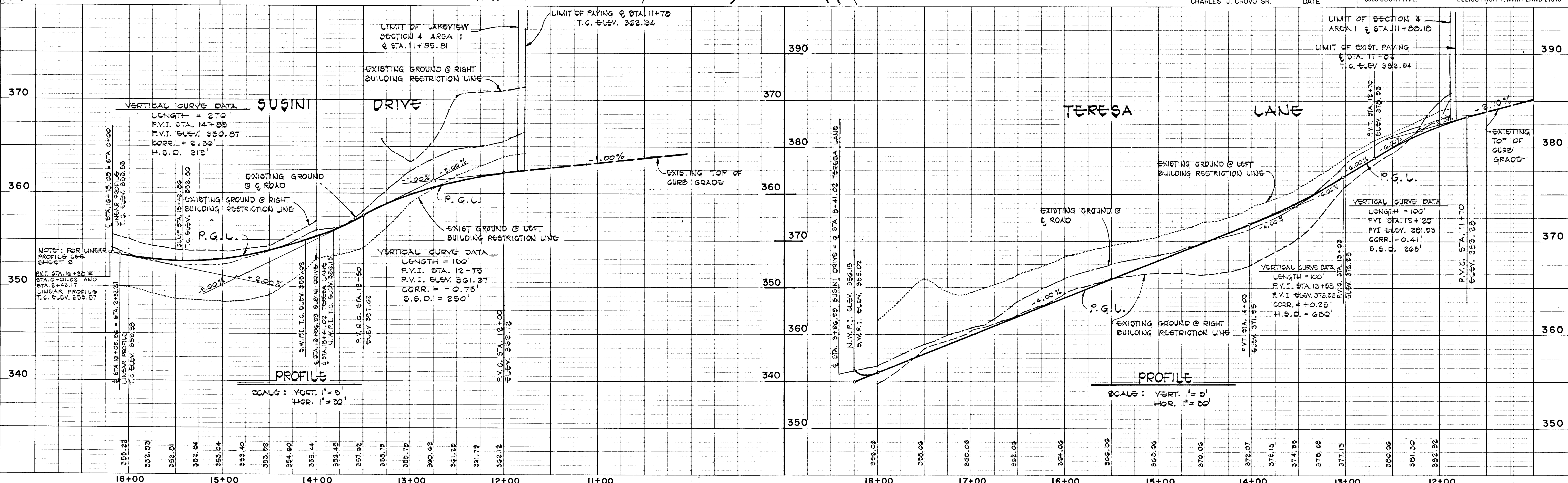
SUSINI DRIVE & TERESA LANE
PLAN AND PROFILE

OWNER AND DEVELOPER
LAKEVIEW JOINT VENTURE
SUITE 103, 5501 TWIN KNOLLS ROAD
COLUMBIA, MARYLAND 21045

SCALE AS SHOWN DATE MARCH 2, 1983 DWG. NO. 1 OF 3
DES. C. CROVO DRN. A. BOGDAN CHK. R. CARTER

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

DATE: 3/22/83



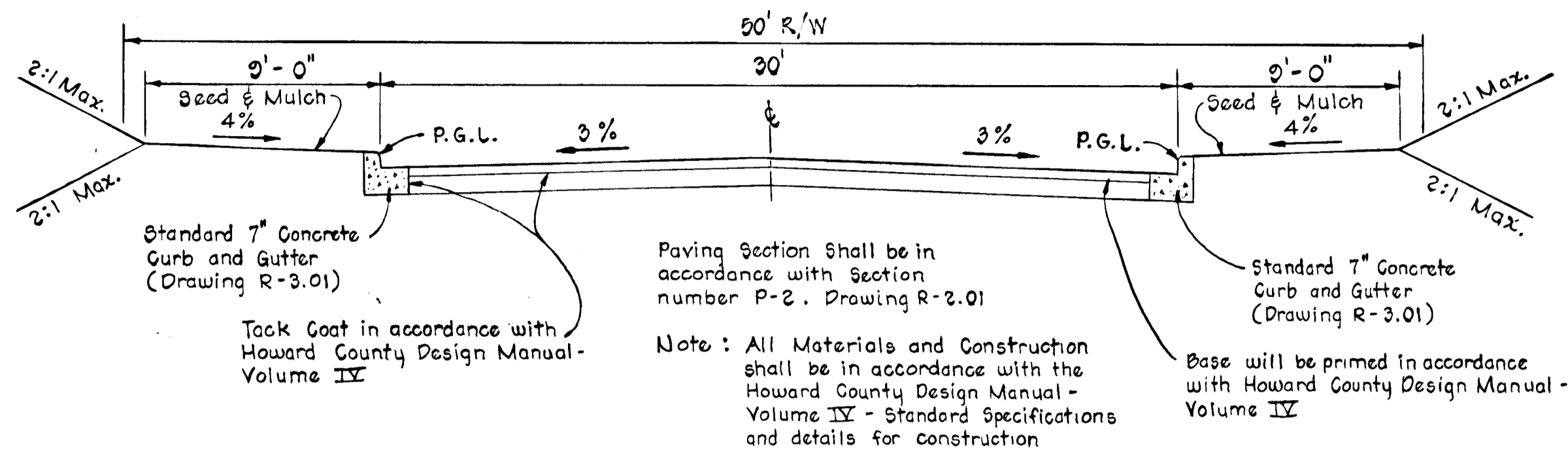
PLAN

DATE	
BY	
CHECKED	
NO.	

PROFILE

DATE	
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NO.	

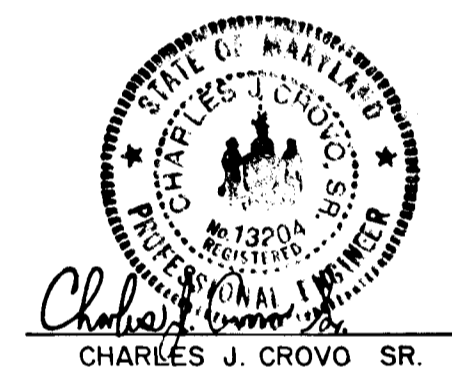
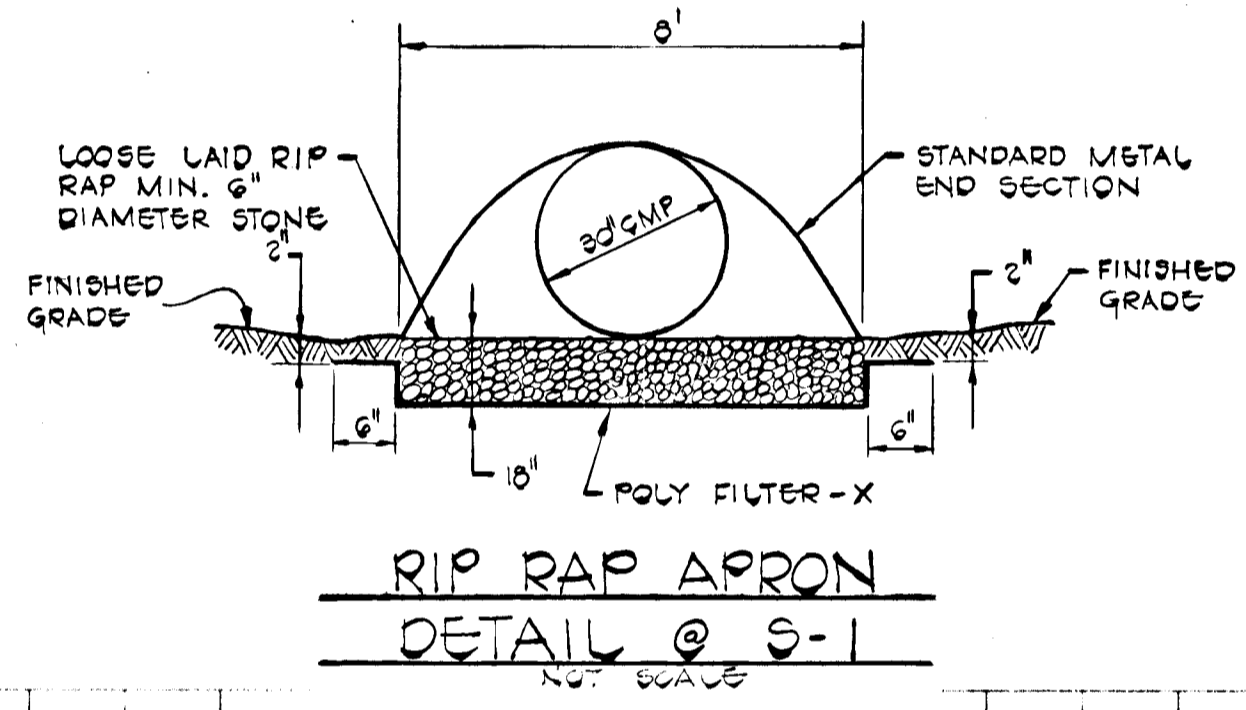
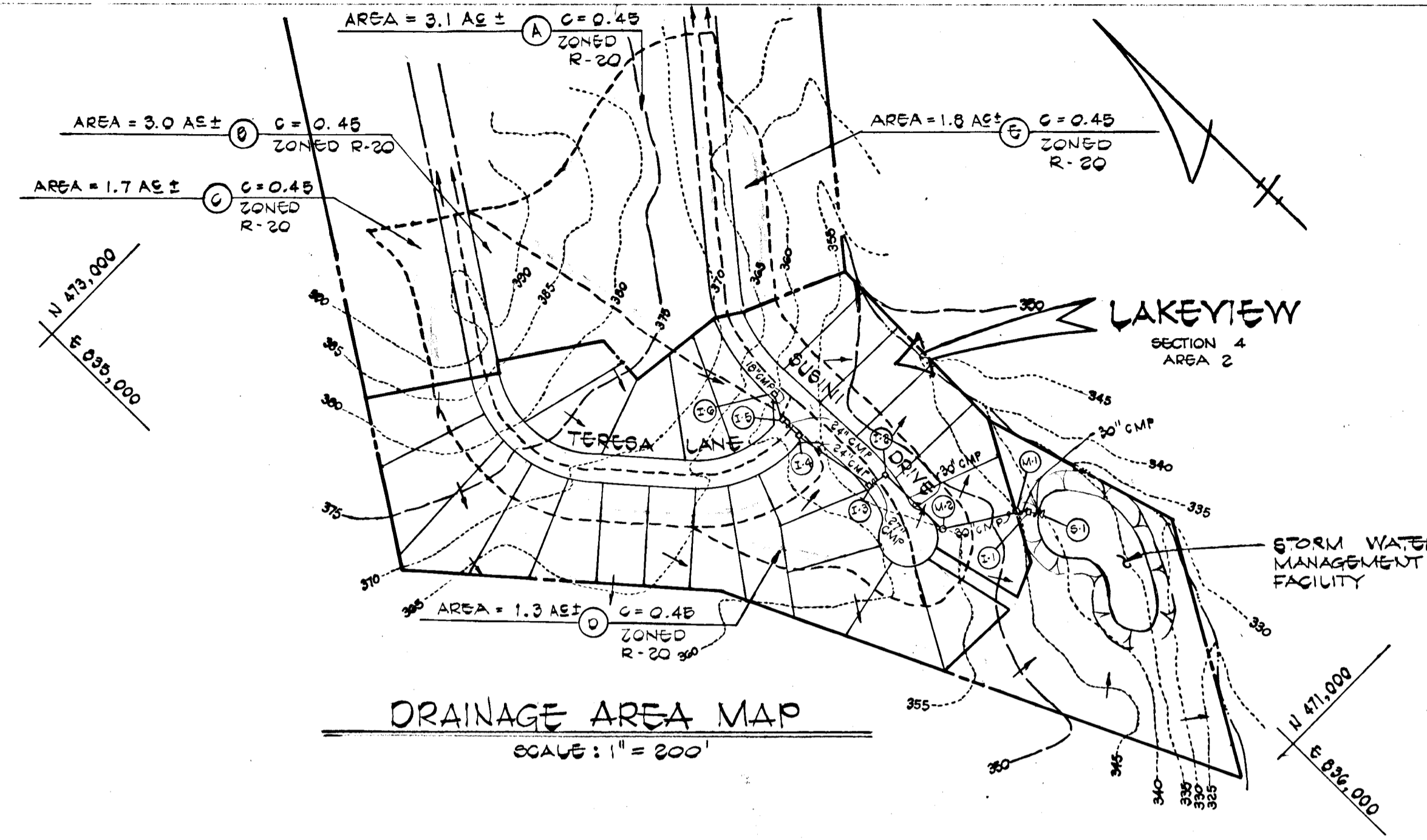
Type of Trafficway - Local Residential Zoned R-20 Design Speed 30 M.P.H.



TYPICAL ROADWAY SECTION
No Scale
TERESA LANE AND SUSINI DRIVE

STRUCTURE		SCHEDULE			
NO.	TYPE	INVERT IN	INVERT OUT	TOP ELEV.	REMARKS
I-1	0 *	329.50	329.34	337.34	DRAWING SD 4.11
I-2	A-5	346.53	345.90	352.80	" SD 4.01
I-3	A-5	347.50	347.10	352.80	" SD 4.01
I-4	SINGLE "S" COMB. DEPRESSIO	351.26	350.70	356.24	" SD 4.32 & 4.81
I-5	DOUBLE "S" COMB. DEPRESSIO	352.43	351.67	356.24	" SD 4.34 & 4.01
I-6	DOUBLE "S" COMB. DEPRESSIO	-	353.25	357.55	" SD 4.34 & 4.01
M-1	STANDARD MANHOLE	334.74	334.50	346.00	" G 5.01
M-2	STANDARD MANHOLE	342.84	342.00	355.00	" G 5.01
S-1	METAL END SECTION	-	329.06	331.56	" SD 5.61

* INLET I-1 TO HAVE OPENINGS ONLY ON UPSTREAM AND DOWNSTREAM SIDE OF BENCH



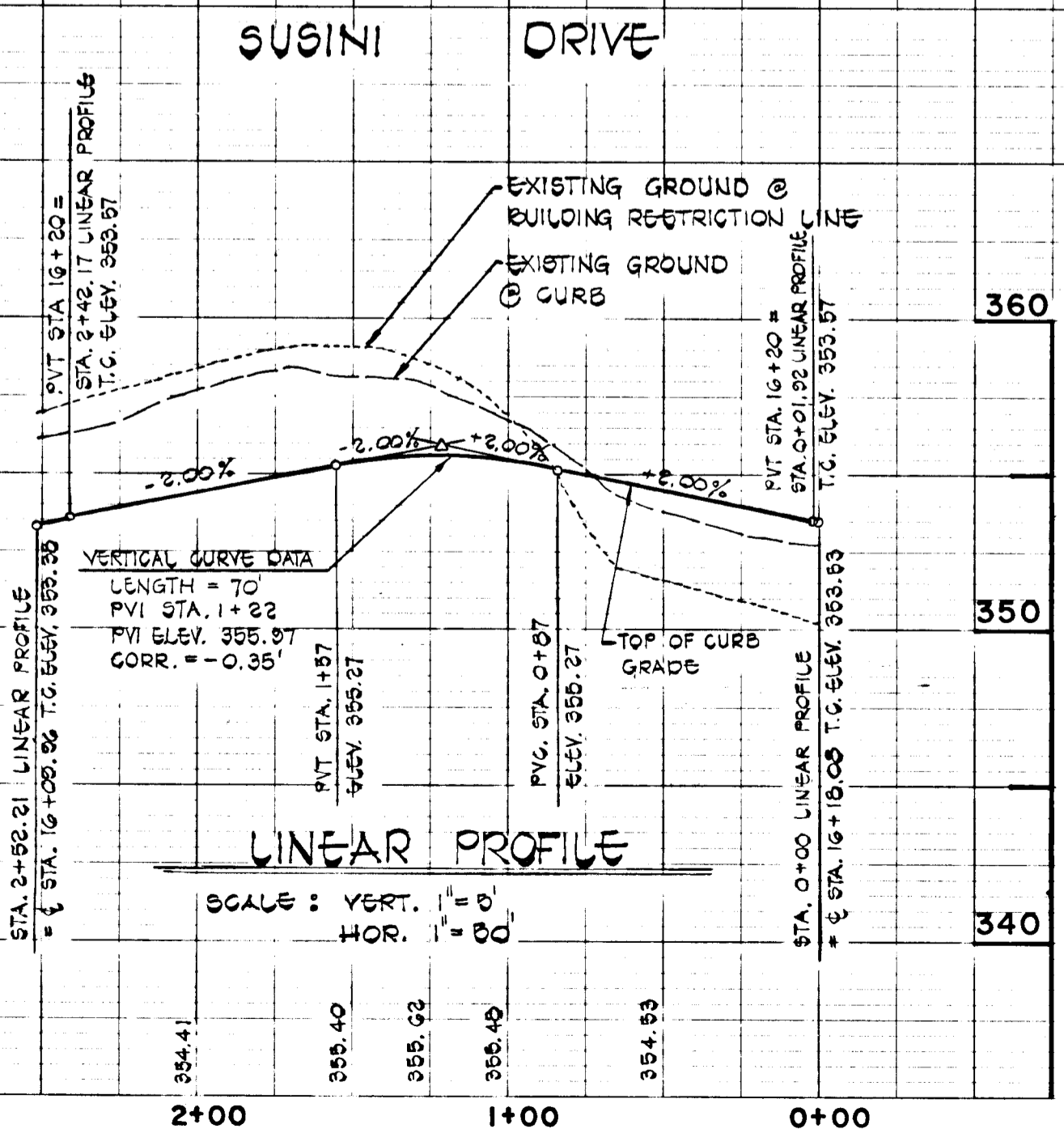
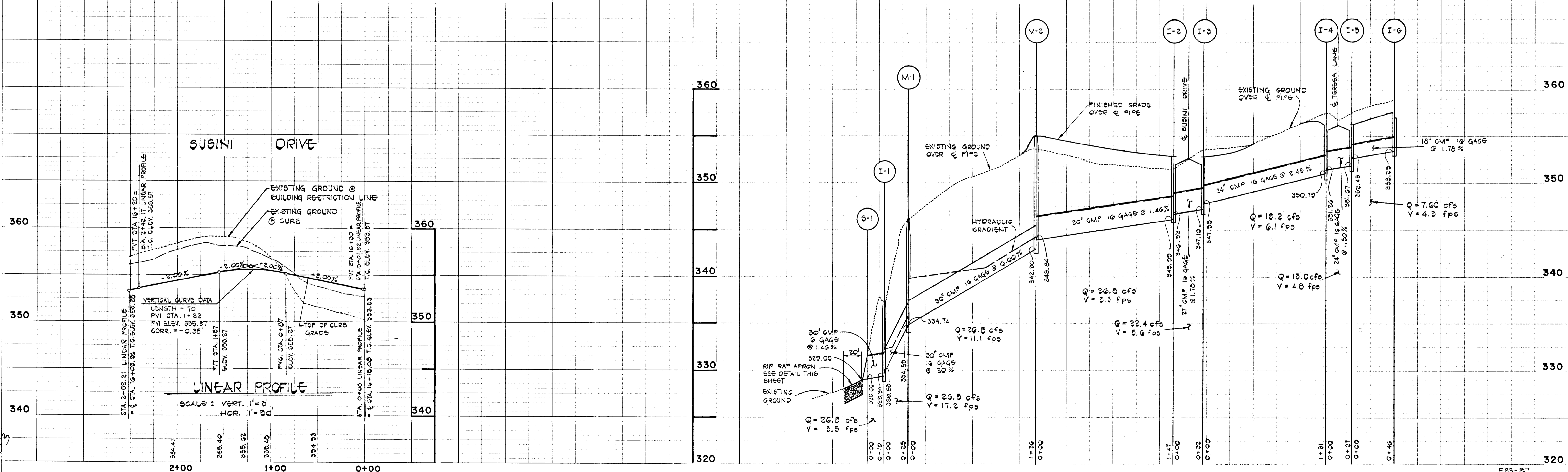
LAKEVIEW
SECTION 4, AREA 2
6 TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

STORM DRAIN PROFILES
AND DETAILS

OWNER AND DEVELOPER
LAKEVIEW JOINT VENTURE
SUITE 103, 5501 TWIN KNOLLS ROAD
COLUMBIA, MARYLAND 21045

SCALE AS SHOWN MARCH 2, 1983 DWG. NO. 2 OF 3
DES. C. CROVO DES. A. BOGDAN CHK. R. CARTER

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



PLAN
NO. DATE
BY
CHECKED
DATE

PROFILE
NO. DATE
BY
CHECKED
DATE

APPROVED
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
DATE 5-11-83

APPROVED
OFFICE OF PLANNING AND ZONING
DATE 5-10-83

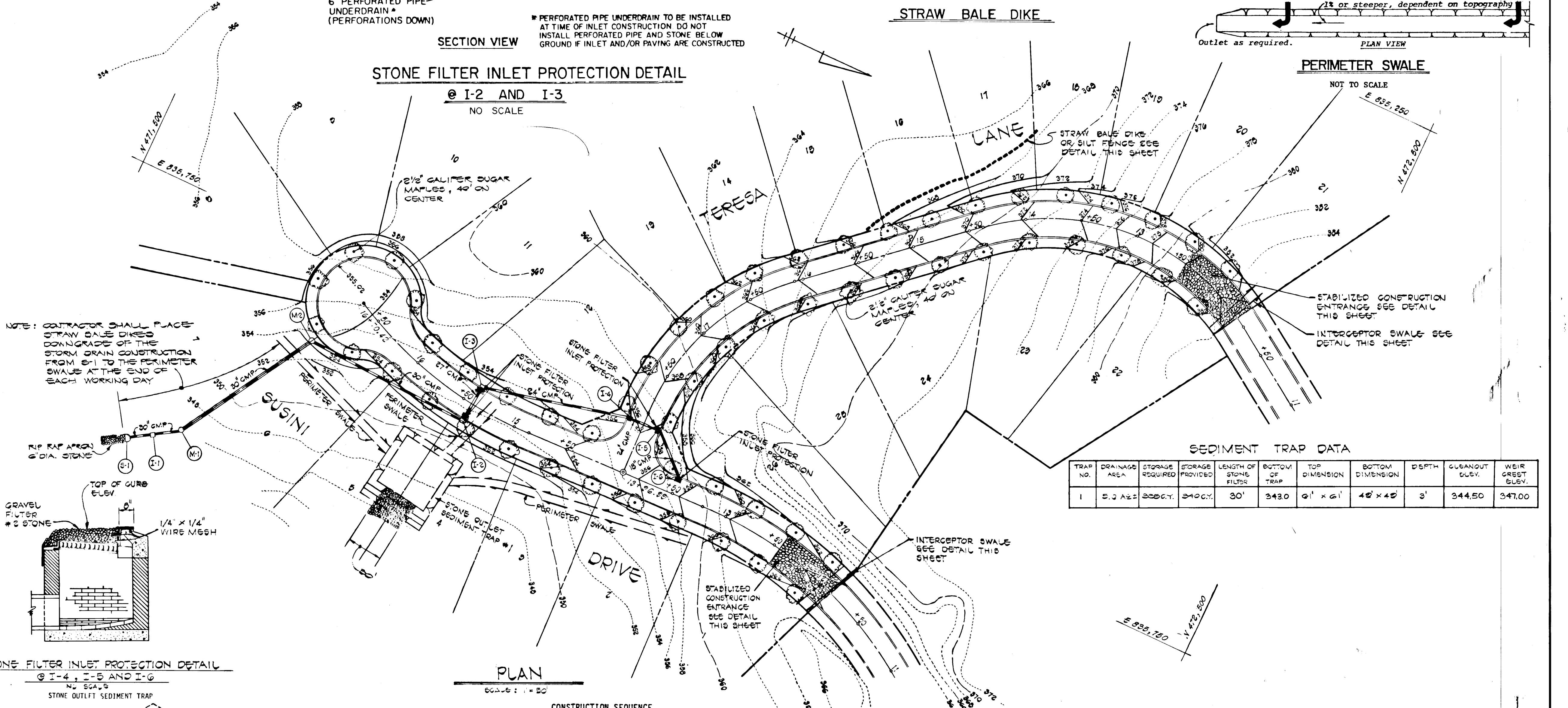
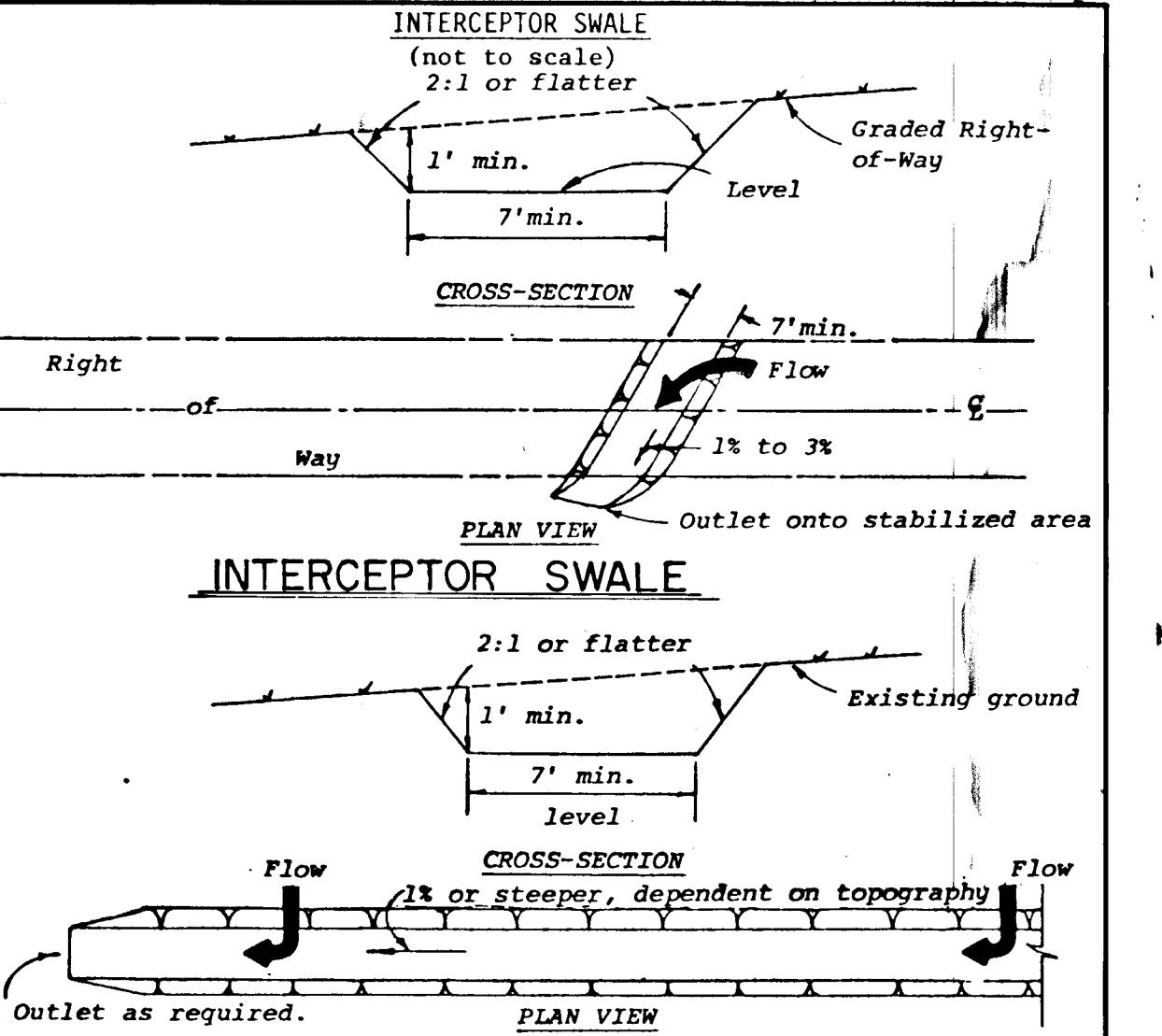
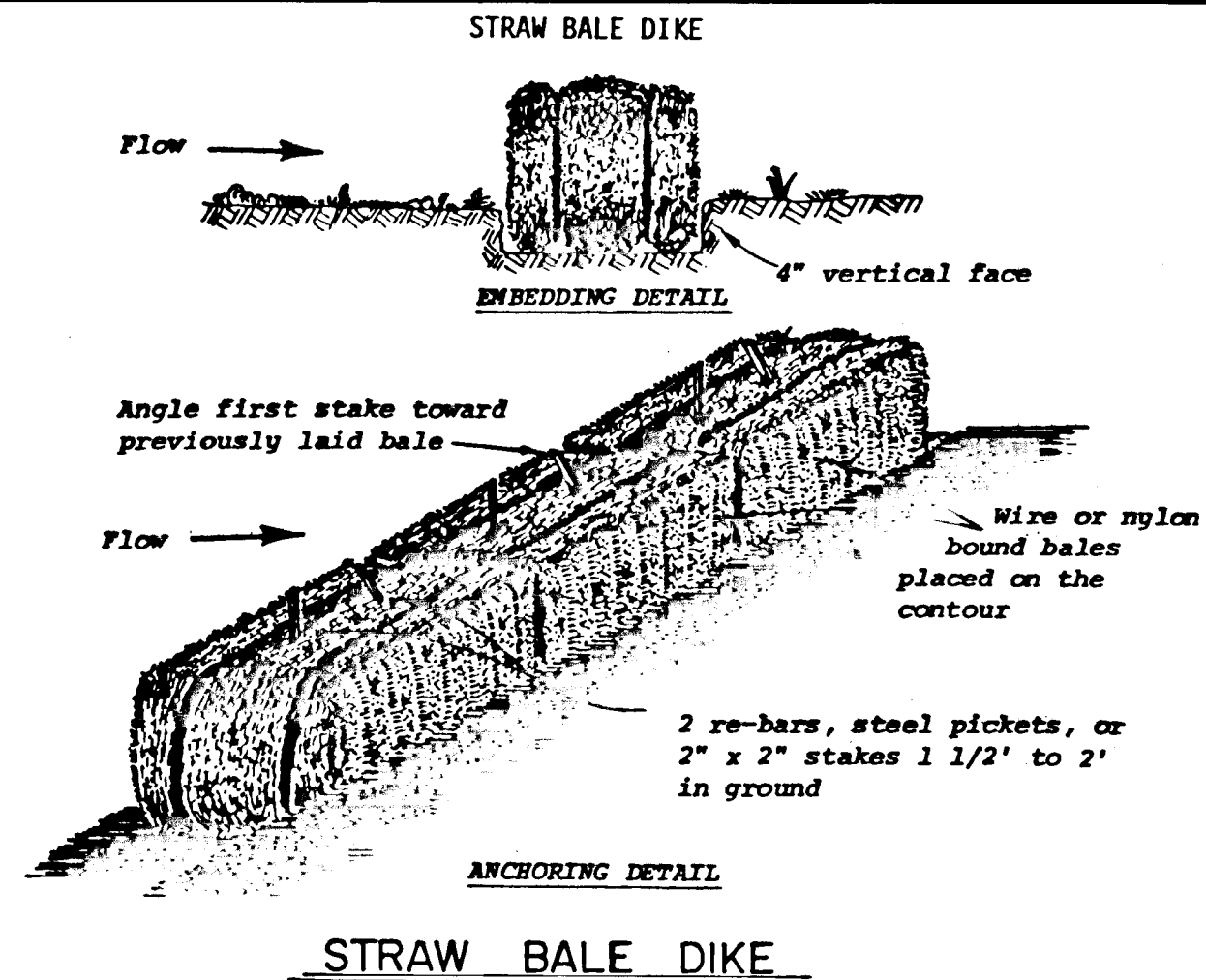
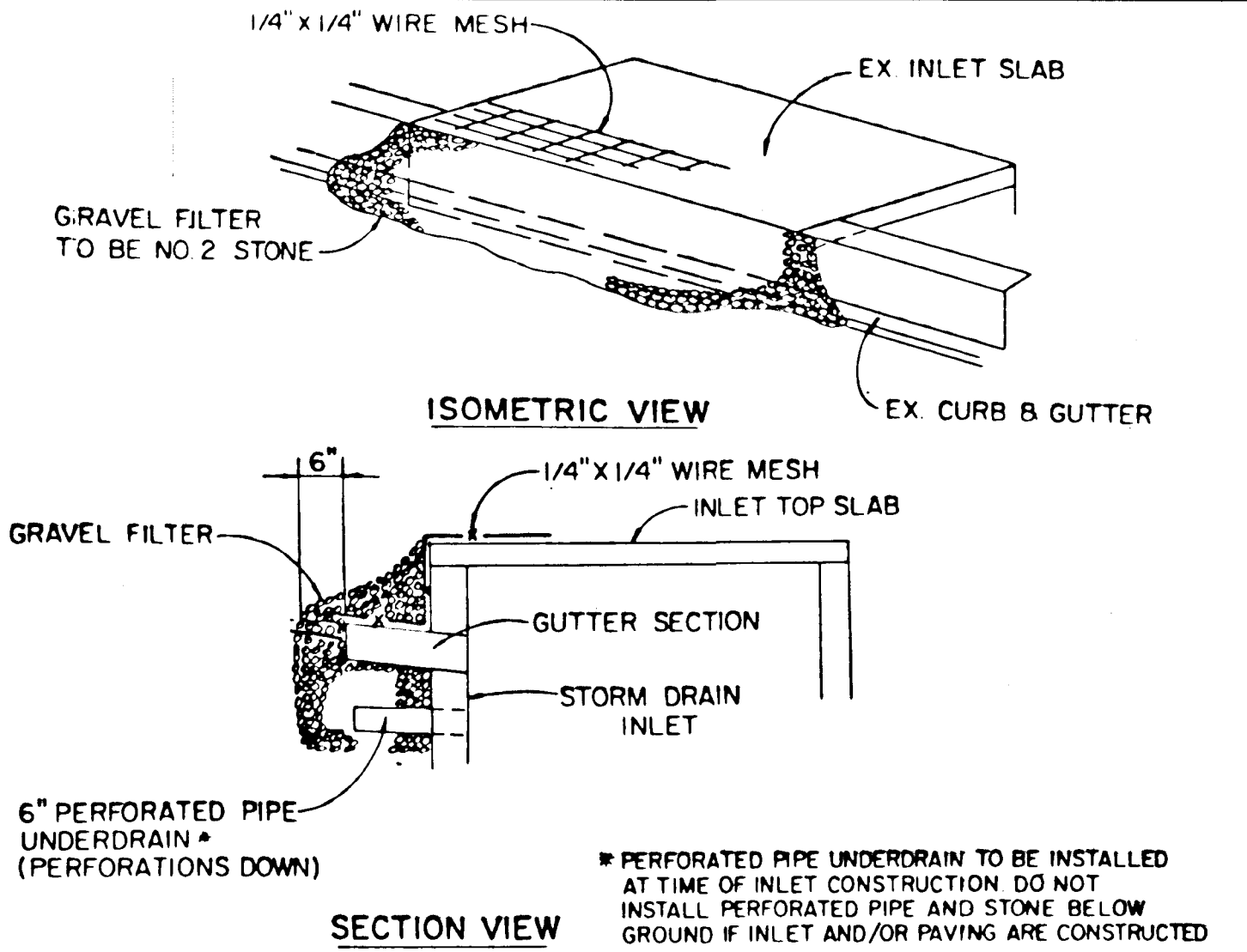
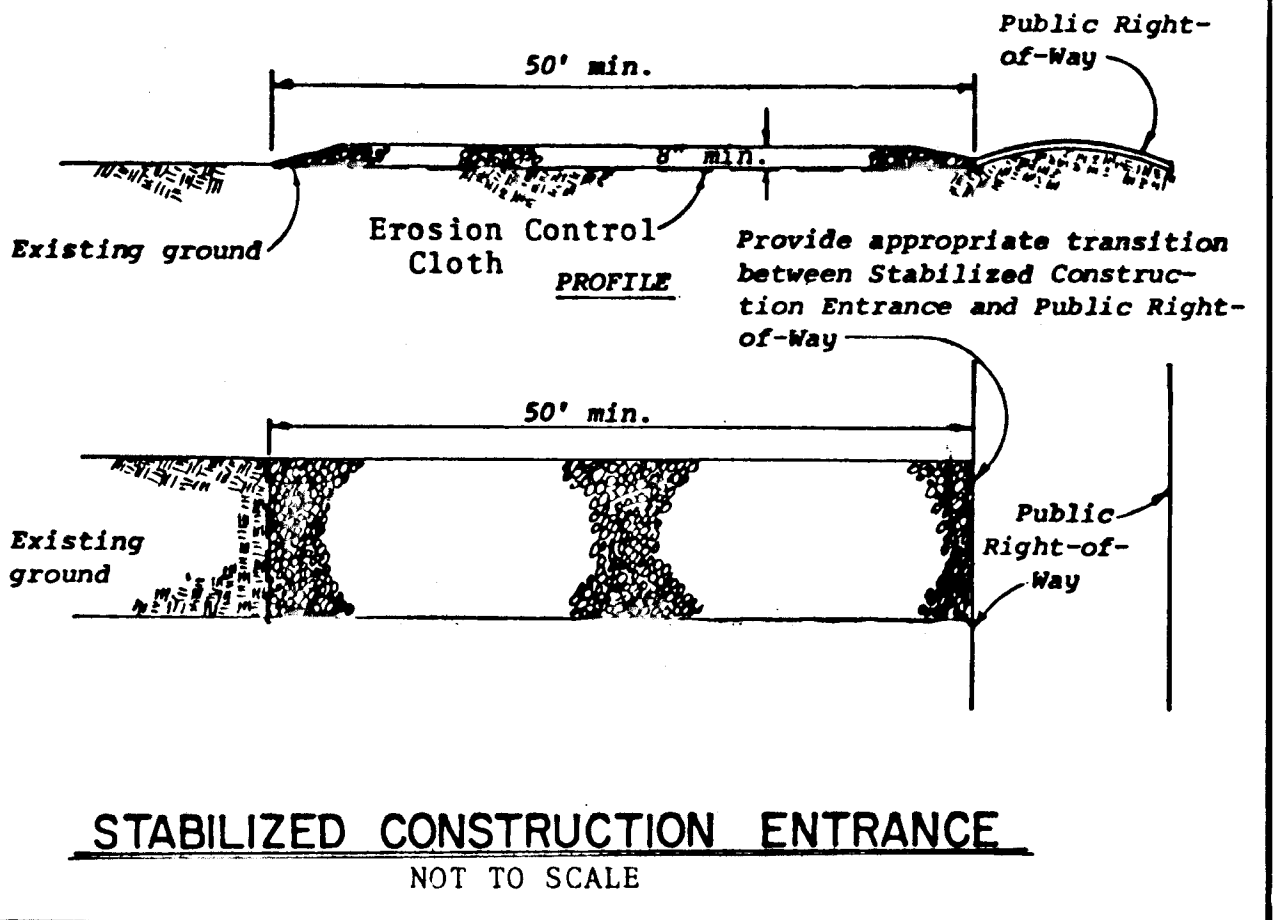
ENGINEER'S CERTIFICATE
 I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.
 Signature of Engineer: *Charles J. Durr* DATE: 5/4/83

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 ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY.
 Signature of Developer: *James J. Ventura* DATE: 5-6-83

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.
 Signature of Reviewer: *James M. Noh* DATE: 5-10-83
 U.S. SOIL CONSERVATION SERVICE
 THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 Signature of District Chief: *James M. Noh* DATE: 5-10-83
 HOWARD SOIL CONSERVATION DISTRICT

APPROVED: DEPARTMENT OF PUBLIC WORKS.
 Signature: *William J. Poirer* DATE: 5-11-83
 CHIEF, BUREAU OF ENGINEERING

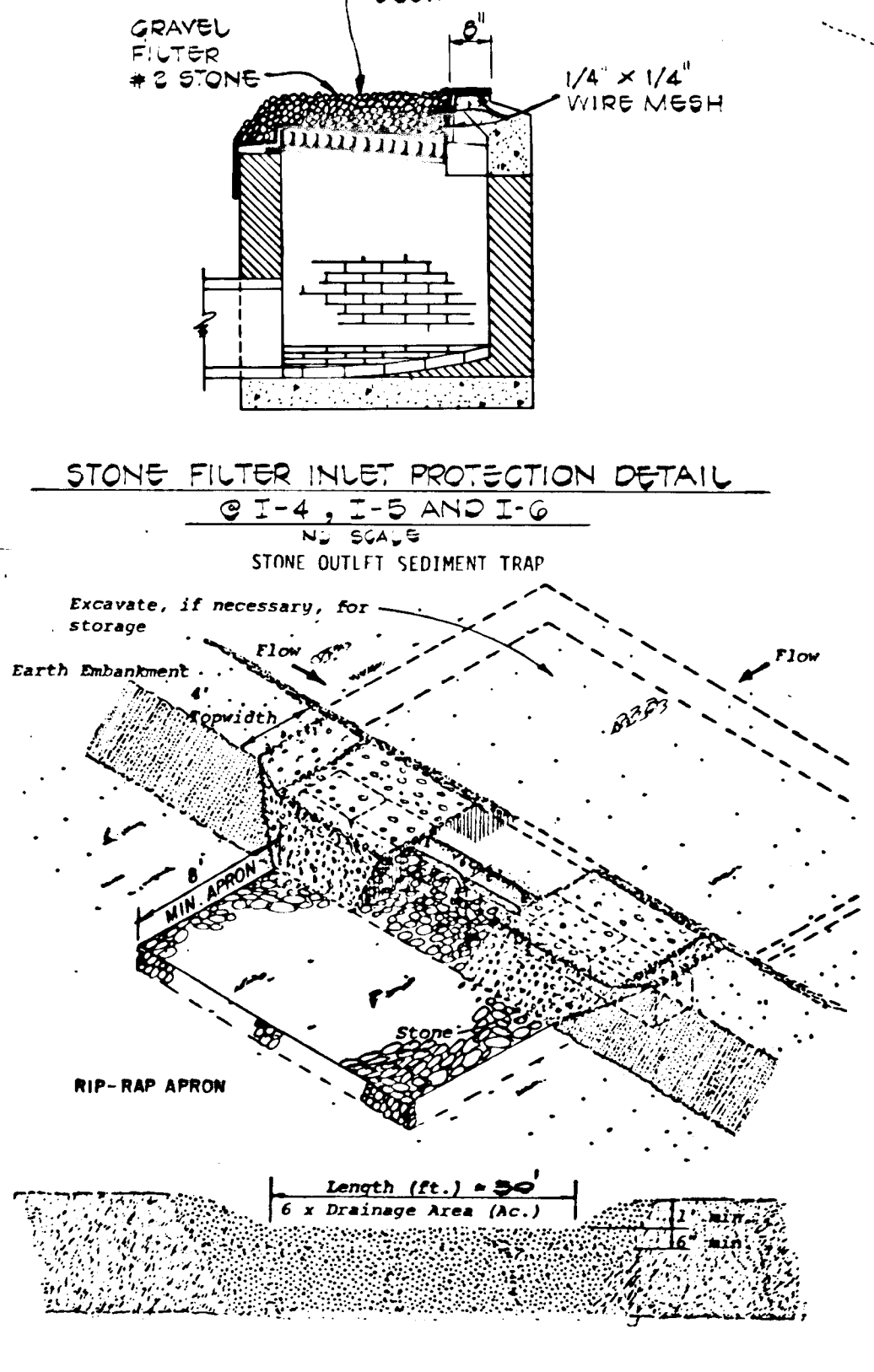
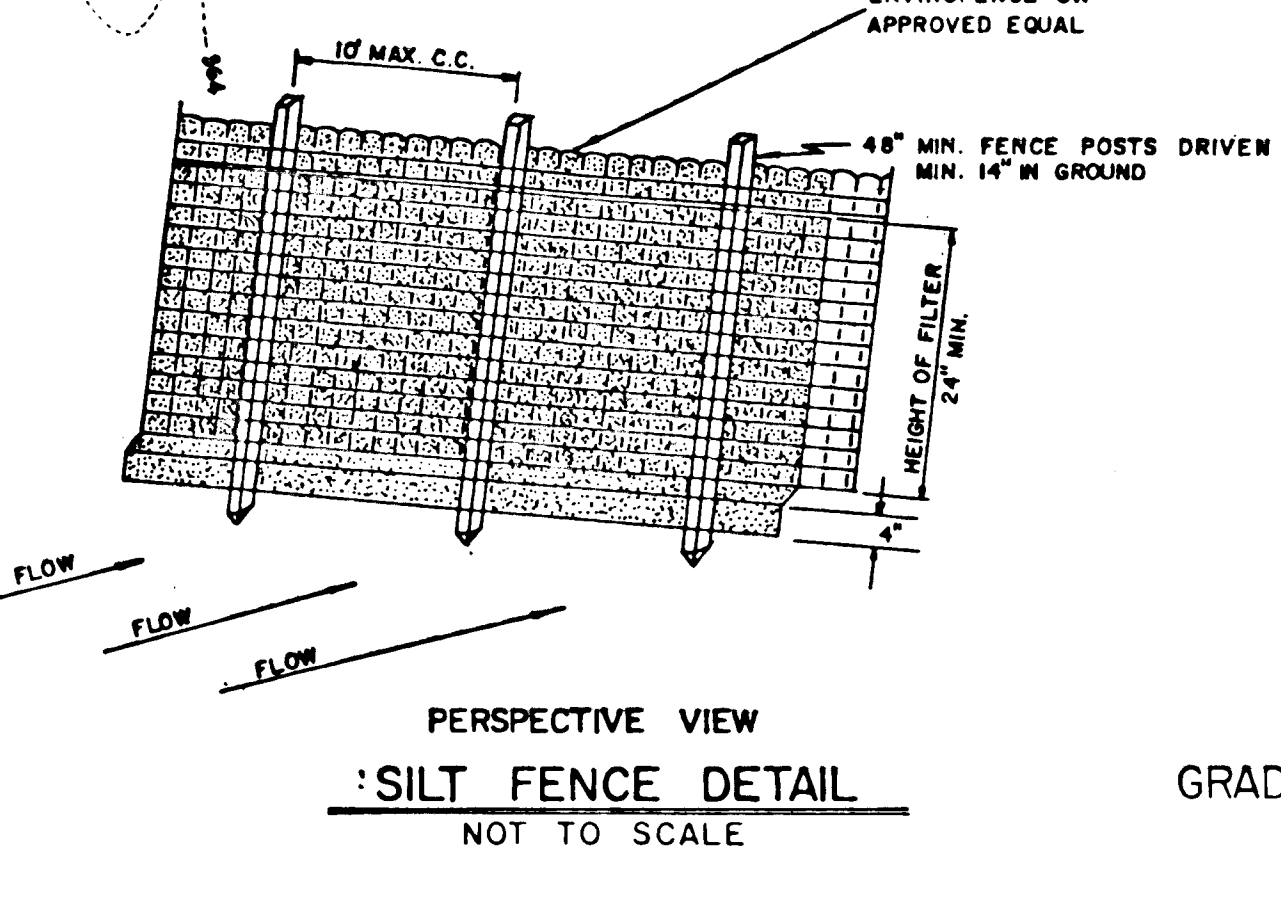
APPROVED: OFFICE OF PLANNING AND ZONING
 Signature: *William J. Poirer* DATE: 5-10-83
 CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION



SEDIMENT TRAP DATA

TRAP NO.	DRAINAGE AREA	STORAGE REQUIRED	STORAGE PROVIDED	LENGTH OF STONE FILTER	BOTTOM OF TRAP	TOP DIMENSION	BOTTOM DIMENSION	DEPTH	CLEANOUT ELEV.	WEIR GREST ELEV.
1	0.9 AC ±	300 CY	300 CY	30'	343.0	6' x 6'	46' x 46'	3'	344.50	347.00

- CONSTRUCTION SEQUENCE**
- OBTAIN GRADING PERMIT.
 - CONSTRUCT INTERCEPTOR SWALES AND STONE CONSTRUCTION ENTRANCES AS SHOWN ON PLAN.
 - CONSTRUCT PERIMETER SWALES AND STONE OUTLET SEDIMENT TRAP. STABILIZE WITH TEMPORARY SEEDING.
 - INSTALL STRAW BALE DIKE OR SILT FENCE AS SHOWN ON PLAN.
 - PLACE TERESA LANE AND SUSINI DRIVE TO SUBGRADE. CONSTRUCT STORM DRAIN SYSTEM AND INSTALL STONE FILTER PROTECTION DEVICES AT INLETS 1-2 TO 1-6.
 - CONSTRUCT CONCRETE CURB AND STABILIZE SLOPE AREAS BETWEEN EXISTING GROUND AND BACK OF CURB WITH PERMANENT SEEDING.
 - INSTALL UTILITIES.
 - LAY BASE COURSE.
 - UPON STABILIZATION OF GRADED AREAS, INLETS SHALL BE OPENED AND ALL ACCUMULATED SEDIMENT SHALL BE REMOVED FROM THE STORM DRAIN SYSTEM. INSTALL RIP RAP APRON.
 - DURING CONSTRUCTION, SEDIMENT SHALL BE REMOVED FROM THE TRAP WHEN THE CLEANOUT ELEVATION HAS BEEN REACHED.
 - DURING CONSTRUCTION AND AFTER EACH RAINFALL, THE CONTRACTOR SHALL INSPECT AND PROVIDE NECESSARY MAINTENANCE ON THE SEDIMENT AND EROSION CONTROL STRUCTURES SHOWN HEREON.
 - CLEAN BASE COURSE, APPLY TACK COAT TO BASE COURSE, LAY SURFACE COURSE, AND STABILIZE SHOULDERS USING PERMANENT SEEDING.
 - THE SEDIMENT TRAP SHALL BE BACKFILLED, GRADED AND STABILIZED WITH THE PERMANENT SEEDING SPECIFICATIONS.
 - ALL DISTURBED AREAS DUE TO REMOVAL OF SEDIMENT CONTROL MEASURES SHALL BE GRADED AND STABILIZED BY PERMANENT SEEDING.



- SEDIMENT CONTROL NOTES**
- Specifications for the Sediment Control Details shown hereon are included in the U.S.D.A. Soil Conservation Service "Standards and Specifications for Soil Erosion and Sediment Control in Developing Areas."
 - The developer shall notify the Howard County Office of Inspection and Permits at least 24 hours prior to beginning any construction shown hereon (992-2433).
 - Sediment control structures to be constructed prior to any on-site grading or disturbance to an 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 Office of Inspection and Permits. (992-2433).
 - 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:
 - Pulverized limestone at 2 tons/acre.
 - Commercial fertilizer 10-10-10 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.
 - Temporary: Italian or Perennial Rye Grass
 - Permanent: 40% Marion Blue Grass, 40% South Dakota Blue Grass and 20% Penn Lawm Creeping Fescue.
 - The seeded area shall then be raked with a York Rake (a minimum of 2 passes) covered and compacted with Cultipacker or other approved method.
 - Mulching
 - Seeded areas shall be uniformly mulched immediately after seeding with unweathered small grain straw at the rate of 1 1/2 - 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 netting.
 - A grading plan must be developed by the builder and approved before beginning construction of dwellings.

SITE ANALYSIS

TOTAL AREA OF SECTION 4 AREA 2	10.7 AC ±
IMPERVIOUS AREA	0.0 AC ±
AREA TO BE VEGETATED	1.0 AC ±
UNDISTURBED AREA	0.0 AC ±

FISHER, COLLINS AND CARTER, INC.
 CONSULTING ENGINEERS AND LAND SURVEYORS
 8388 COURT AVENUE
 ELLICOTT CITY, MARYLAND 21043
 TELEPHONE (301) 461-2855

GRADING & SEDIMENT CONTROL PLAN
LAKEVIEW
 SECTION FOUR AREA TWO
 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE: 1" = 50' SHEET 3 OF 3 MARCH 2, 1983

#283