

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.

James M. Helmer 7/25/86
 DATE

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 DEEMED NECESSARY. DEVIATION FROM THIS PLAN WILL NOT BE MADE UNLESS AUTHORIZED BY THE HOWARD SOIL CONSERVATION DISTRICT.

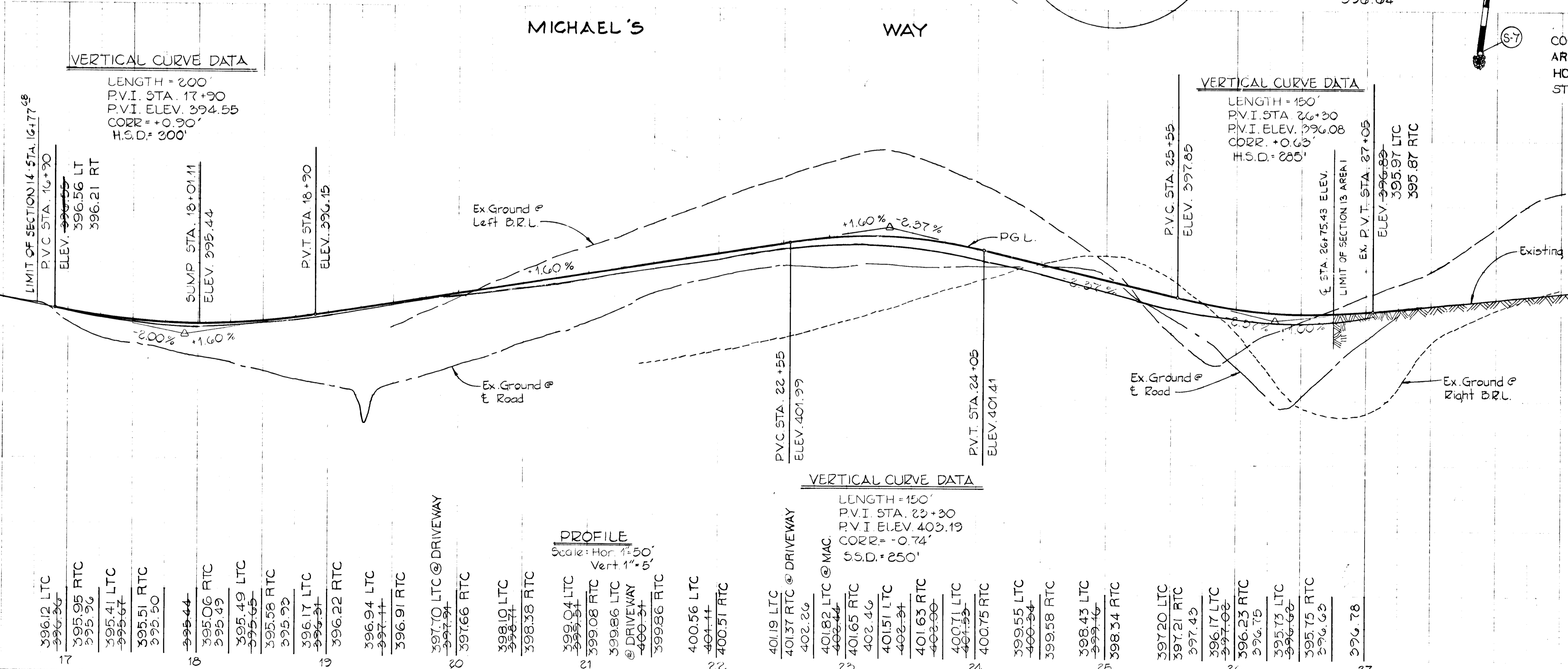
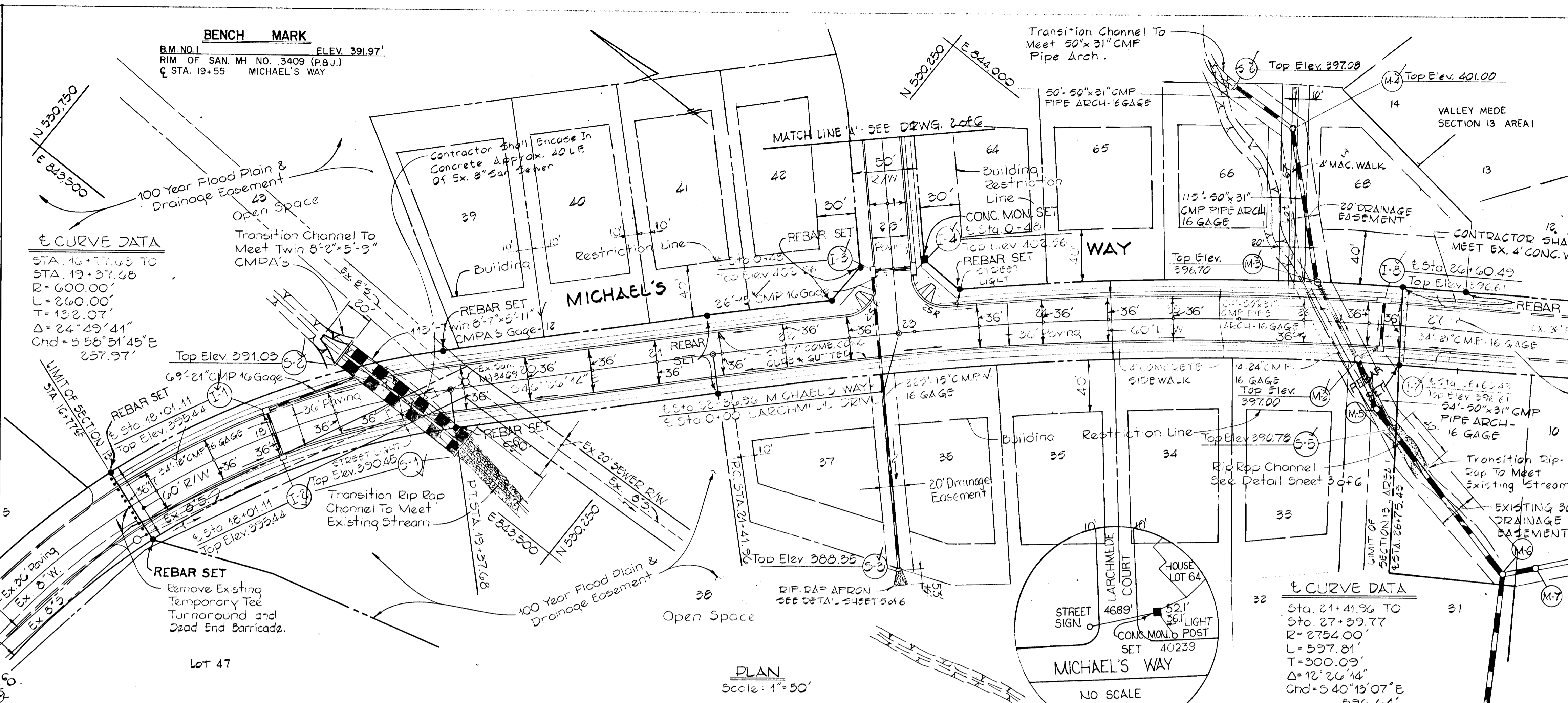
James M. Helmer 7/25/86
 DATE

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.
James M. Helmer 7/25/86
 DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
Stephen L. Hahn 7/24/86
 DATE

APPROVED: DEPARTMENT OF PUBLIC WORKS
James M. Helmer 7-26-86
 DATE

APPROVED: OFFICE OF PLANNING AND ZONING
James M. Helmer 7-25-86
 DATE



VALLEY MEDE SECTION 13 AREA 2
 2ND ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

MICHAEL'S WAY
 PLAN AND PROFILE

OWNER AND DEVELOPER
 TARTAN DEVELOPMENT OF MARYLAND, INC.
 1120 NEW HAMPSHIRE AVENUE, SUITE 402
 SILVER SPRING, MARYLAND 20904

SCALE: As Shown DATE: July 1, 1986 DWG. NO. 1 OF 6
 DES. C.C. DRN. D.S. CHK. R.C.

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

COORDINATES SHOWN HEREON ARE BASED ON THE FOLLOWING HOWARD COUNTY TRAVERSE STATIONS.

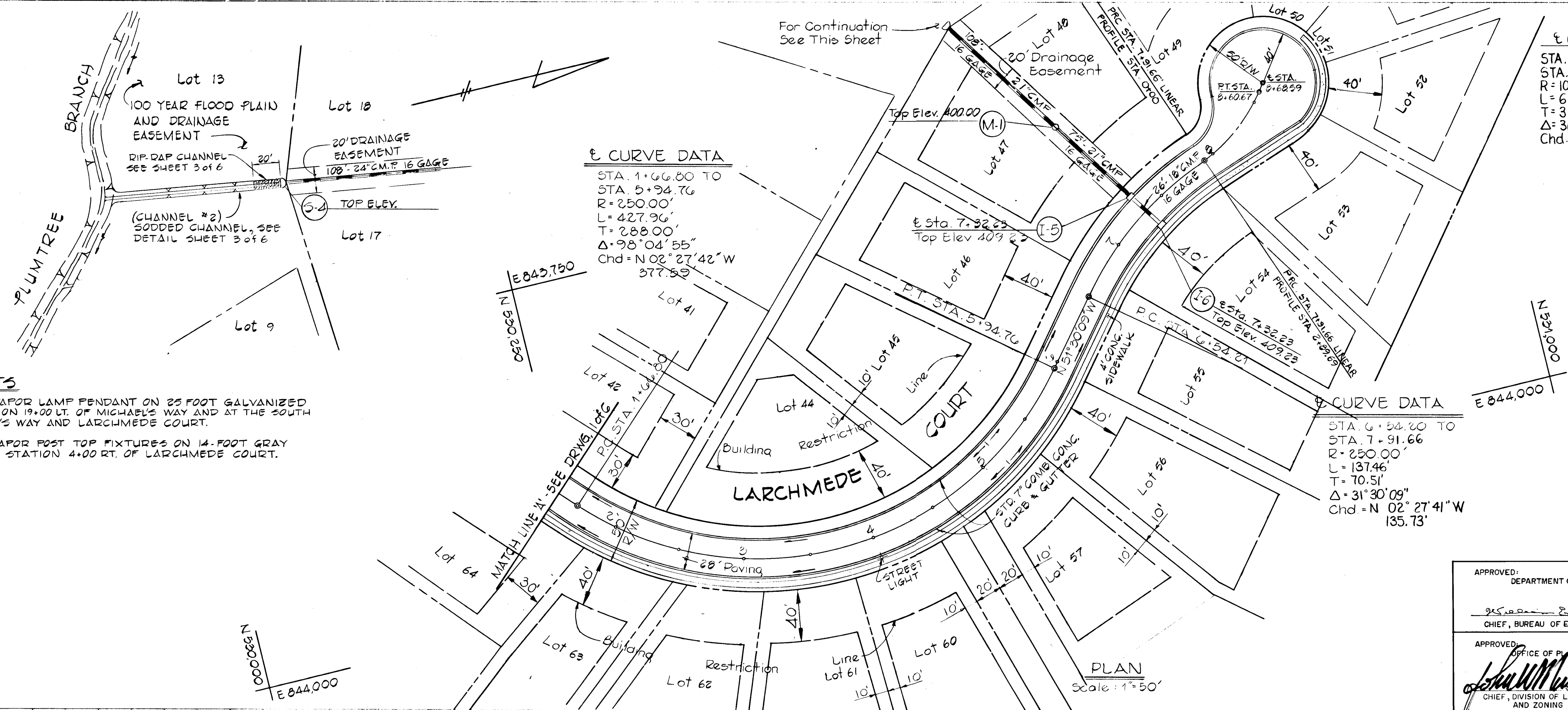
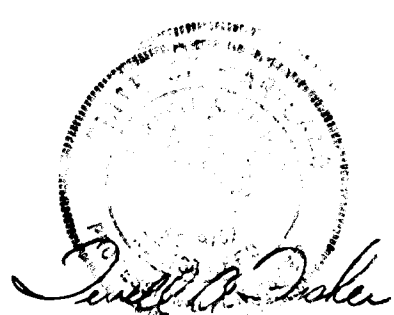
STA. 3241001	N526573.744
	E840096.686
STA. 3241002	N526397.261
	E841575.709

PLAN
 DATE
 BY
 CHECKED
 NOTED
 REVISIONS
 NO.

STREET LIGHTS

220-WATT MERCURY VAPOR LAMP PENDANT ON 25 FOOT GALVANIZED STEEL POLE AT STATION 19+00 LT. OF MICHAEL'S WAY AND AT THE SOUTH CORNER OF MICHAEL'S WAY AND LARCHMEDE COURT.

175-WATT MERCURY VAPOR POST TOP FIXTURES ON 14-FOOT GRAY FIBERGLASS POLE AT STATION 4+00 RT. OF LARCHMEDE COURT.



¢ CURVE DATA
 STA. 7+91.66 TO
 STA. 8+60.67
 R = 109.62'
 L = 69.01'
 T = 35.69"
 $\Delta = 36^\circ 04' 15''$
 Chd. = N 38° 02' 08" W
 67.88'

¢ CURVE DATA
 STA. 1+00.80 TO
 STA. 5+94.76
 R = 250.00'
 L = 427.96'
 T = 288.00"
 $\Delta = 98^\circ 04' 55''$
 Chd. = N 02° 27' 42" W
 377.59'

¢ CURVE DATA
 STA. 6+54.20 TO
 STA. 7+91.66
 R = 250.00'
 L = 137.46'
 T = 70.51"
 $\Delta = 31^\circ 30' 09''$
 Chd. = N 02° 27' 41" W
 135.73'

Property of
 MARY F. BLANTON
 220/761

VALLEY MEDE
 SECTION 13 AREA 2
 2ND ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

LARCHMEDE COURT
 PLAN AND PROFILE

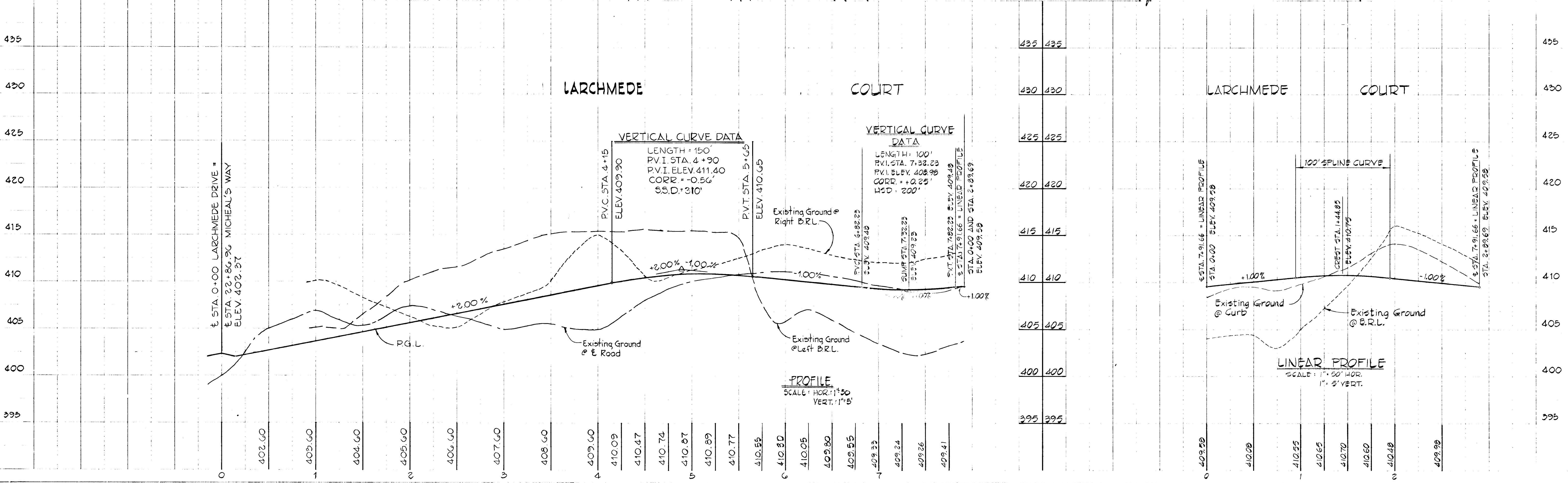
OWNER AND DEVELOPER
 TARTAN DEVELOPMENT OF MARYLAND, INC.
 1120 NEW HAMPSHIRE AVENUE, SUITE 402
 SILVER SPRING, MARYLAND 20904

APPROVED: DEPARTMENT OF PUBLIC WORKS
 DATE: 7-26-86

APPROVED: OFFICE OF PLANNING AND ZONING
 DATE: 7-25-86

SCALE: As Shown
 DATE: July 1, 1985
 DES. C.C. DRN. J.S. CHK. R.C.
 DWS. NO. 2 OF 6

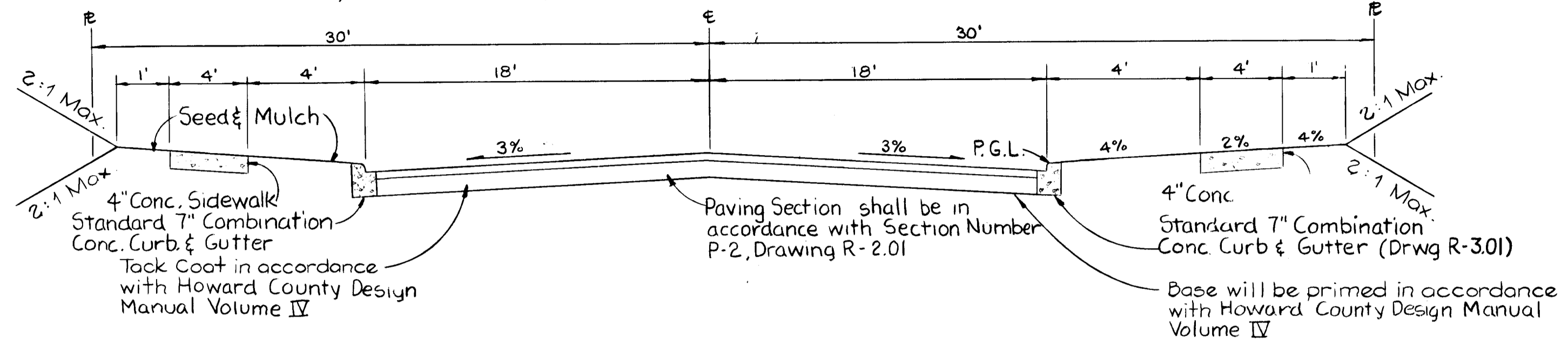
FISHER, COLLINS AND CARTER, INC.
 CONSULTING ENGINEERS AND LAND SURVEYORS
 8388 COURT AVE. ELLICOTT CITY, MARYLAND 21043



#42

MICHAEL'S WAY ±Sta. 16+77.68 to ±Sta. 26+75.43

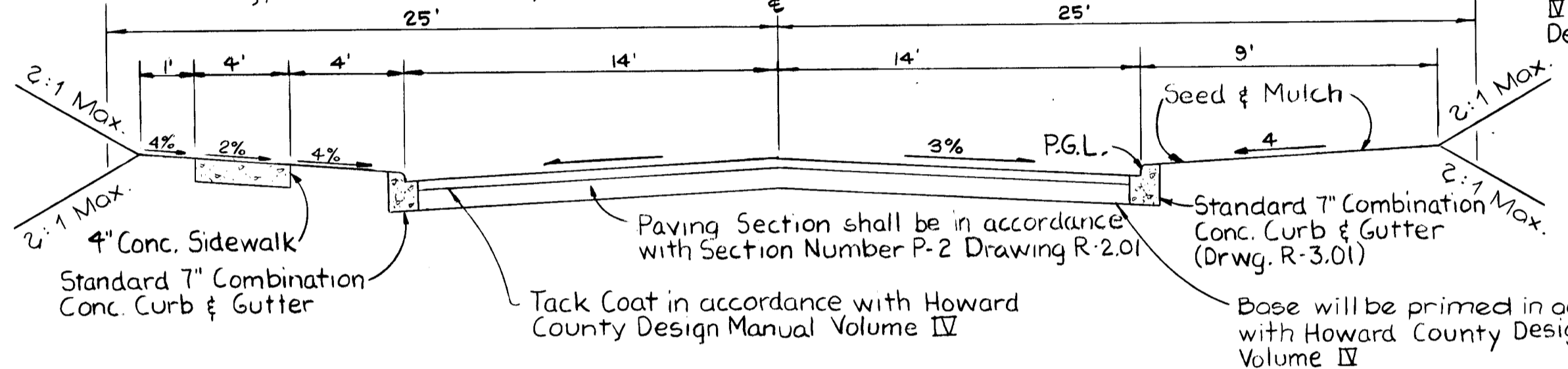
Type of Trafficway - Collector Residential Zoned R-20 Designed Speed 35 MPH



TYPICAL ROADWAY SECTION
No Scale

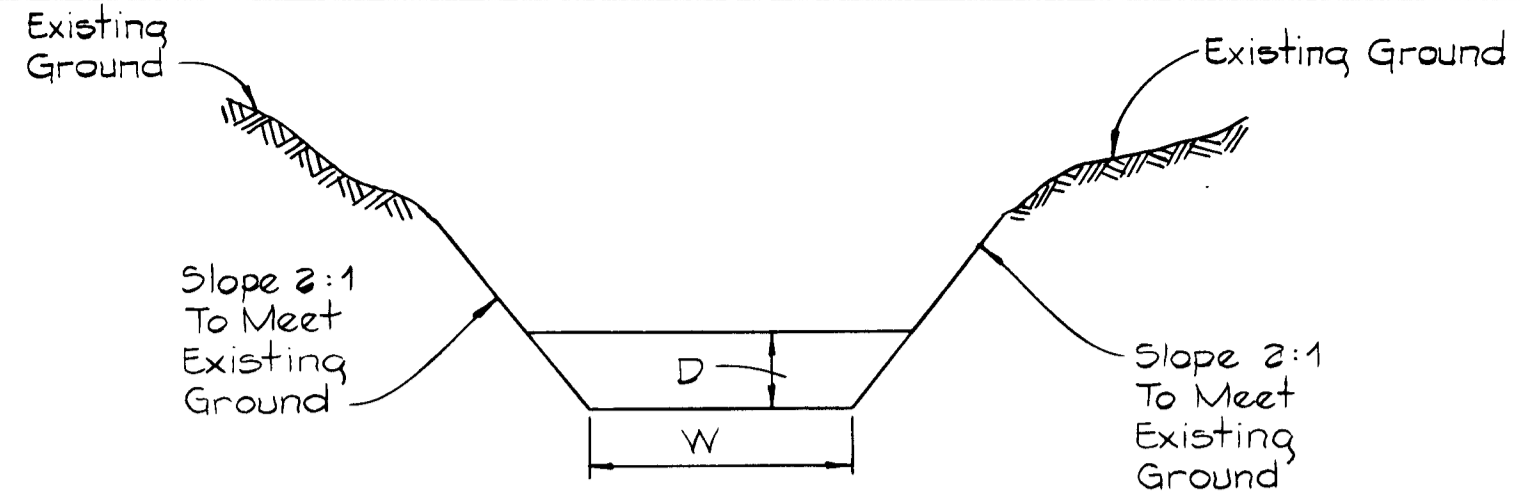
LARCHMEDE COURT

Type of Trafficway - Local Residential Zoned R-20 Design Speed 30 MPH



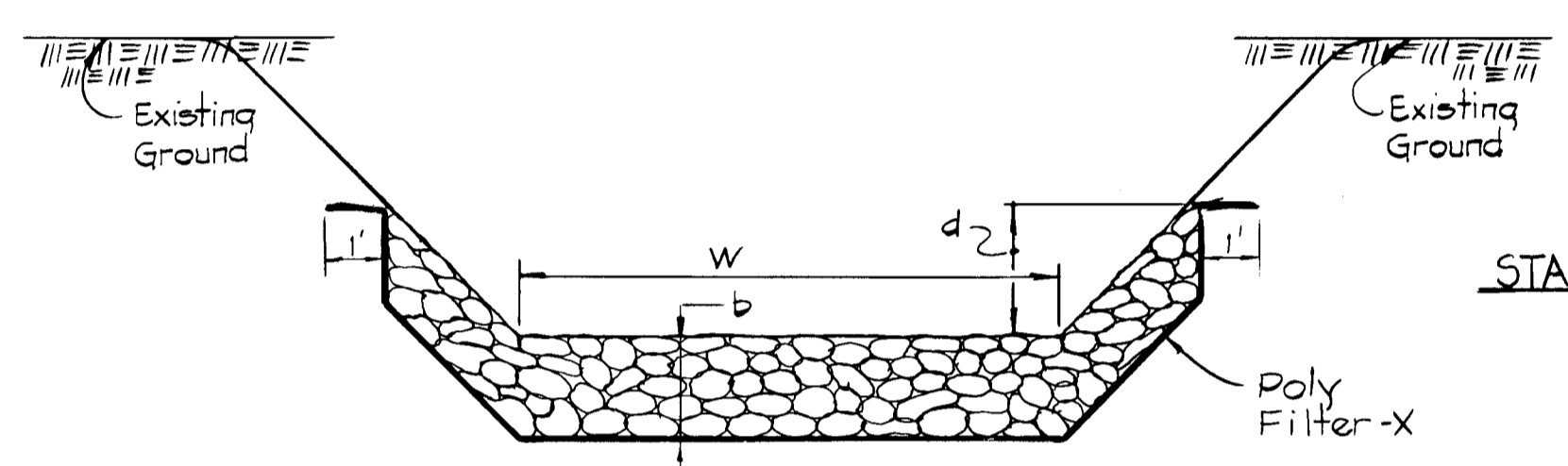
TYPICAL ROADWAY SECTION
No Scale

NOTE:
All materials and construction shall be in accordance with the Howard County Design Manual Volume IV Standard Specifications and Details for Construction.



Channel
A = 3.75'
P = 6.22
R = 0.603
R% = 0.713
S = 0.010
S% = 0.100
D = 1.0
W = 1.75
n = 0.02
V = 1.485 * R% * S%
Q = A * V
Q = 3.19 * 4.03 = 12.84 cfs

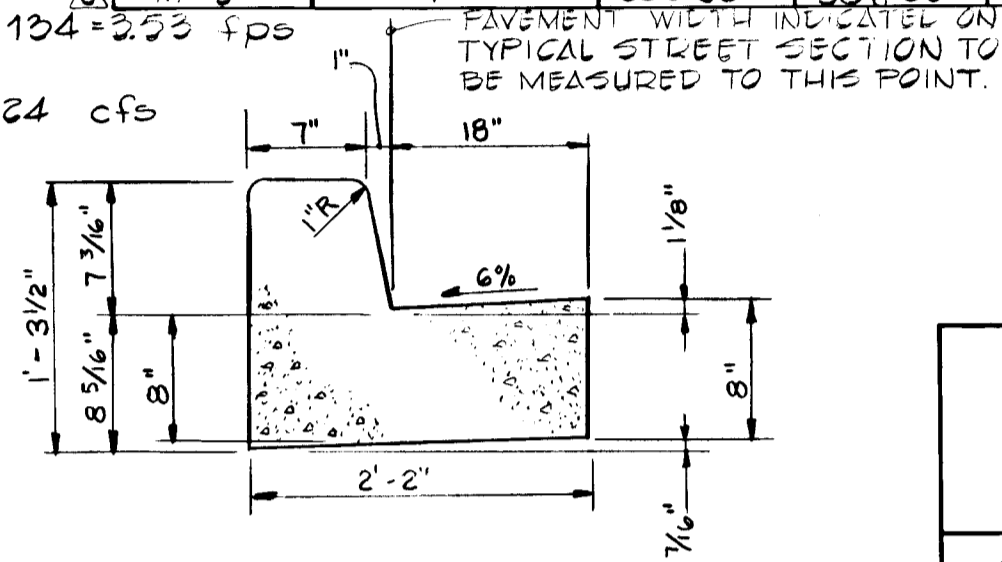
SODDED CHANNEL DETAIL
No Scale



RIP-RAP CHANNEL DETAIL
NOT TO SCALE

Structure	A	P	R	R%	S	S%	n	Q	V	d	W	d50	dmax	b
S-1	12.263	33.33	3.20	0.61	0.004	0.063	0.04	6209	2.13	2.0'	17.33	24"	36"	42"
S-4	3.75	6.22	0.60	0.71	0.010	0.100	0.04	9.94	2.65	1.5'	1.75'	6"	9"	14"
S-5	1.99	1.21	1.25	1.12	0.008	0.085	0.04	6570	3.24	2.1'	4.17'	9"	14"	20"

STRUCTURE		SCHEDULE				REMARKS
NO.	TYPE	INV. IN	INV. OUT	TOP ELEV.	± LOC.	
I-1	A-5	391.10	390.88	395.48	18+01.11	DWRG. S.D. 4.01
I-2	A-5		391.85	395.48	18+01.11	
I-3	A-5 WITH DEFLECTORS	396.63	396.38	402.56	0+48	DWRG. S.D. 4.01 & 4.02
I-4	A-5 WITH DEFLECTORS		399.03	402.56	0+48	
I-5	A-5	403.17	402.92	409.23	7+32.23	DWRG. S.D. 4.01
I-6	A-10		404.37	409.23	7+32.23	DWRG. S.D. 4.02
I-7	A-5	390.39	390.14	396.61	26+60.49	DWRG. S.D. 4.01
I-8	A-10		391.83	396.61	26+60.49	DWRG. S.D. 4.02
S-1	CUT OFF WALL		387.45	390.45		See Sheet 5 of 6
S-2	CUT OFF WALL	388.03		391.03		
S-3	METAL END SECTION		388.50	390.00		DWRG. S.D. 5.61
S-4			392.00	393.75		
S-5			385.56	388.64		
S-6		394.50		397.08		
M-1	STD. MANHOLE	394.45	394.20	400.00		DWRG. G. 5.01
M-2		389.50	389.25	397.00		DWRG. G. 5.03
M-3		391.94	391.69	396.70		
M-4		394.00	393.75	401.00		
M-5		388.50	387.50	392.50		



STANDARD SLOPE 7" COMB. CONC. CURB & GUTTER
No Scale

VALLEY MEDE SECTION 13 AREA 2
2ND ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

OWNER AND DEVELOPER
TARTAN DEVELOPMENT OF MARYLAND, INC.
1120 NEW HAMPSHIRE AVENUE, SUITE 402
SILVER SPRING, MARYLAND 20904

SCALE: As Shown **DATE:** July 1, 1985 **DWG. NO. 3 OF 6**

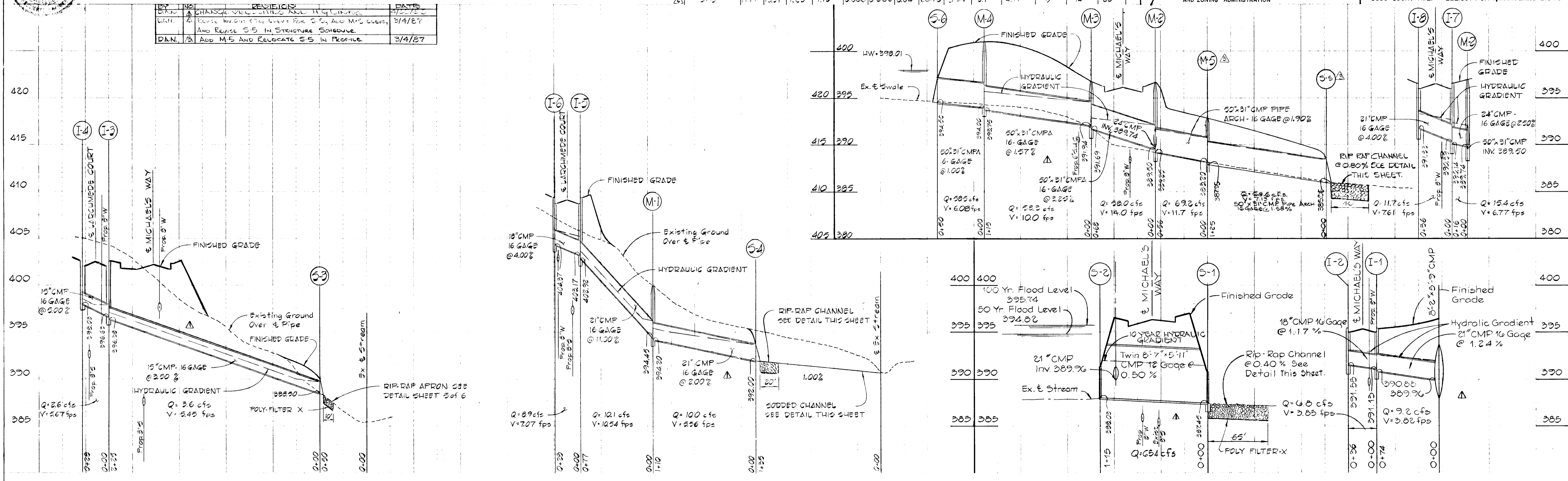
DES.: C.G. **DRN.:** D.S. **CHK.:** R.C.

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

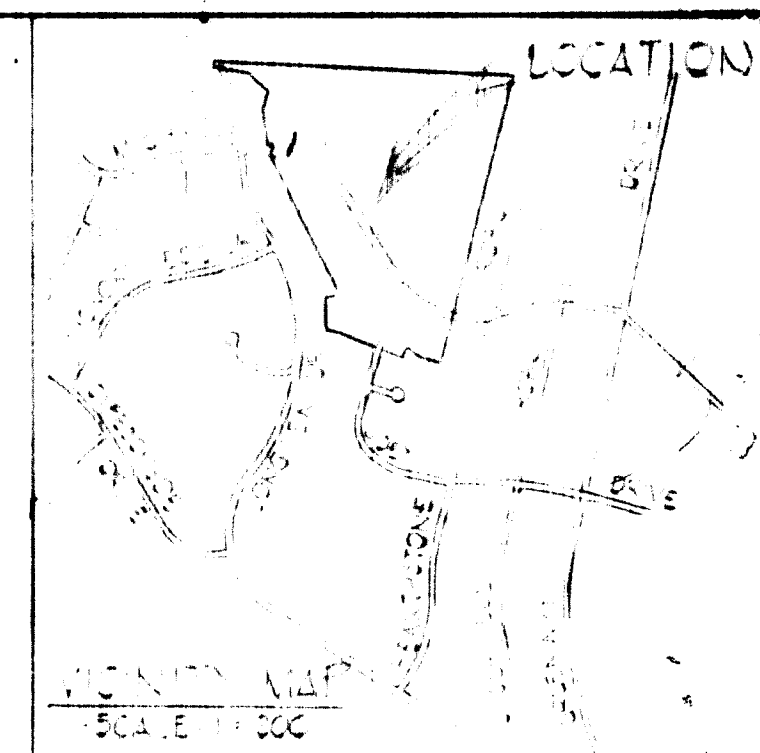
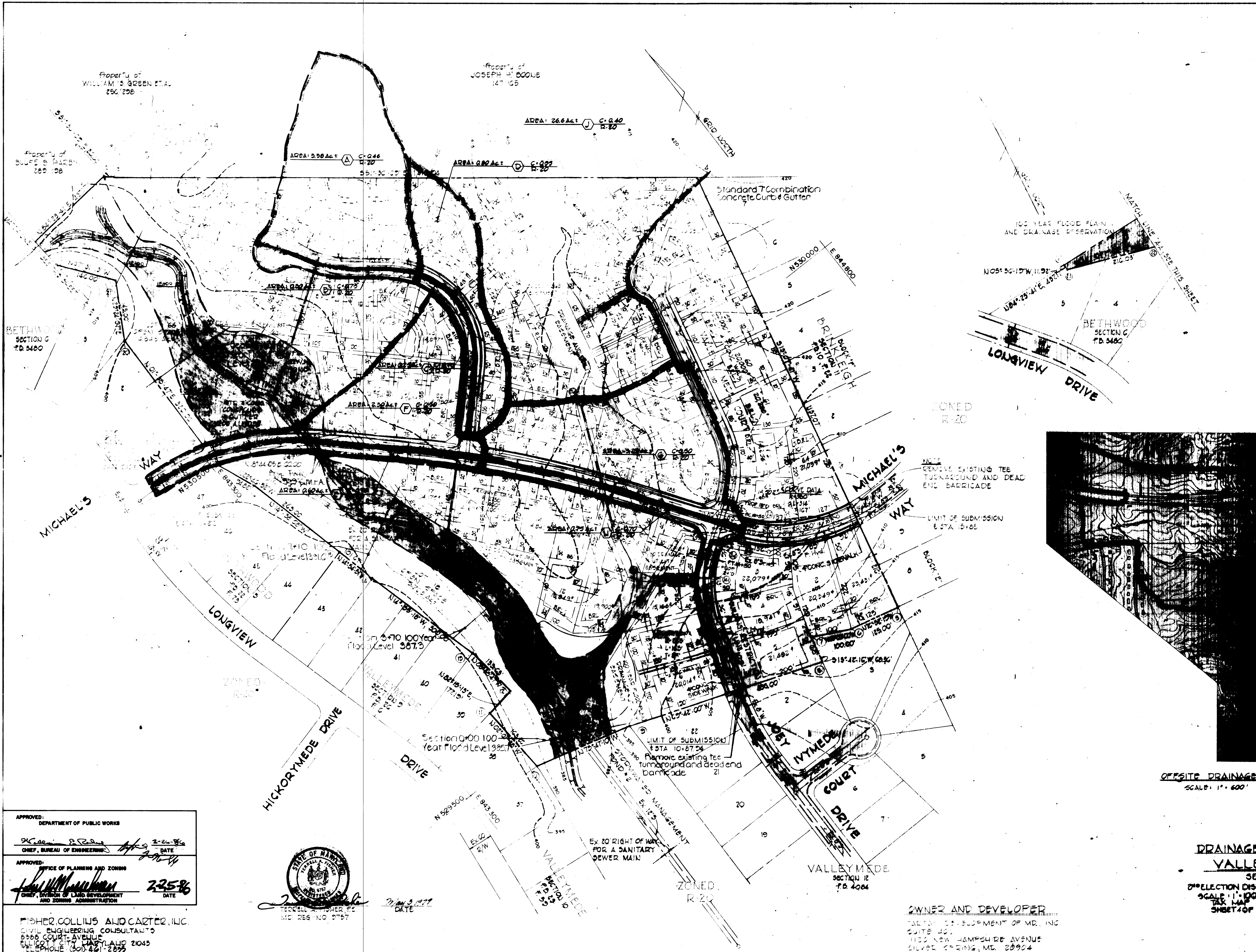
APPROVED: DEPARTMENT OF PUBLIC WORKS
[Signature] 7-26-85
CHIEF, BUREAU OF ENGINEERING

APPROVED: OFFICE OF PLANNING AND ZONING
[Signature] 2-25-86
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

BY	NO.	REVISIONS	DATE
DAN	1	CHANGE VELOCITIES AND HGT. LIMITS	3/15/85
DAN	2	REVISE INV. OF 10' DEEP FOR S-5, AND M-5, AND REVISE S-5 IN STRUCTURE SCHEDULE.	3/14/87
DAN	3	ADD M-5 AND RELOCATE S-5 IN PROFILE.	3/14/87

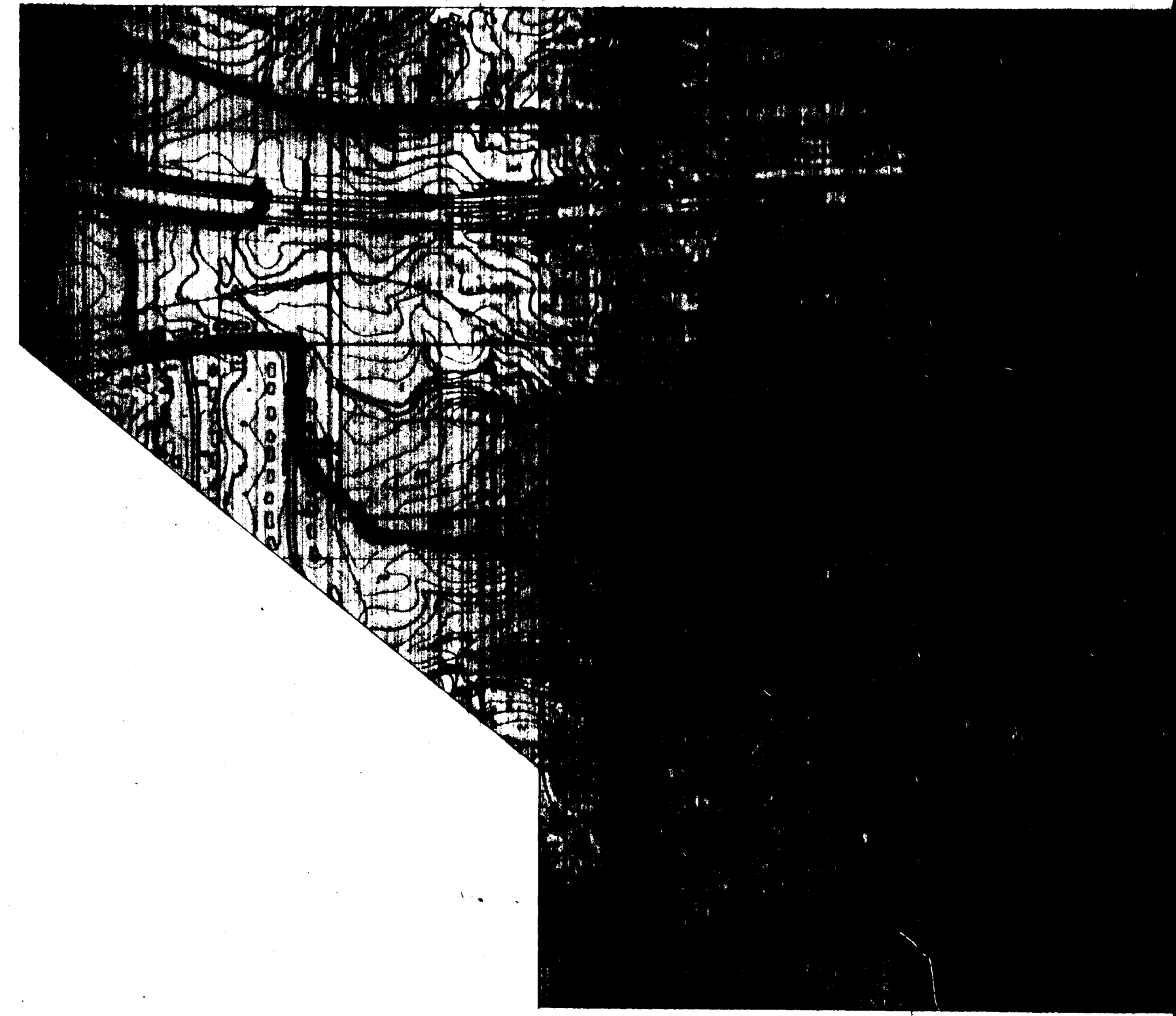


#12



COORDINATE TABLE

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99	830 987.7	843 981.1
100	830 987.7	843 981.1



APPROVED: DEPARTMENT OF PUBLIC WORKS
 [Signature] DATE 2-24-86
 CHIEF, BUREAU OF ENGINEERING

APPROVED: OFFICE OF PLANNING AND ZONING
 [Signature] DATE 2-25-86
 CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION



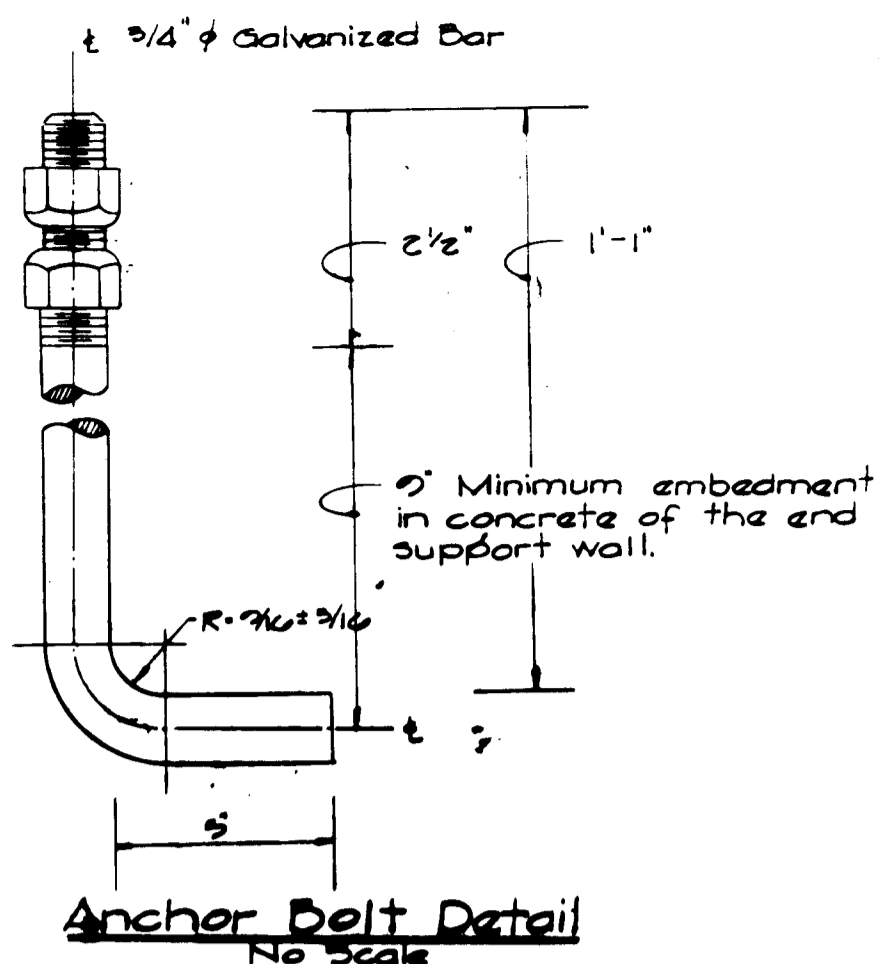
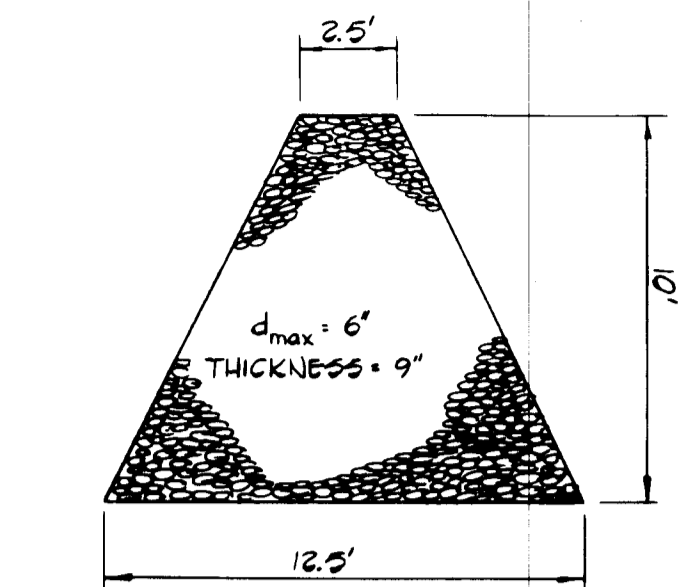
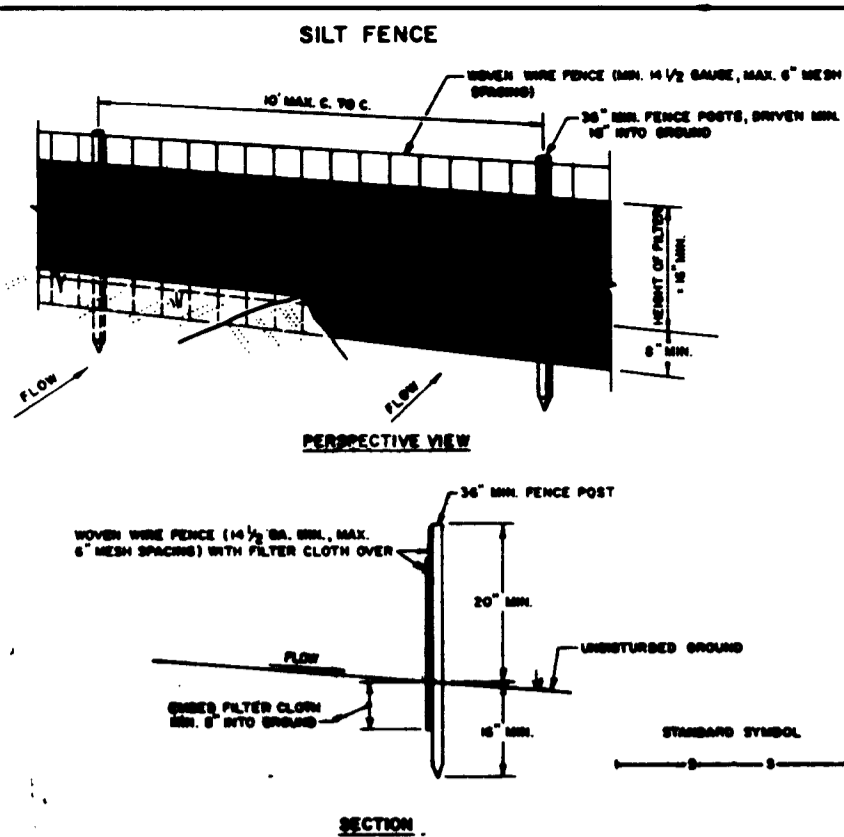
FISHER COLLINS AND CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS
 6200 COURT AVENUE
 BELLEVILLE, MISSOURI 63103
 TELEPHONE (314) 221-2875

OWNER AND DEVELOPER
 [Signature] DEVELOPMENT OF MD, INC
 SUITE 201
 7155 NEW HAMPSHIRE AVENUE
 SILVER SPRING, MD. 20904

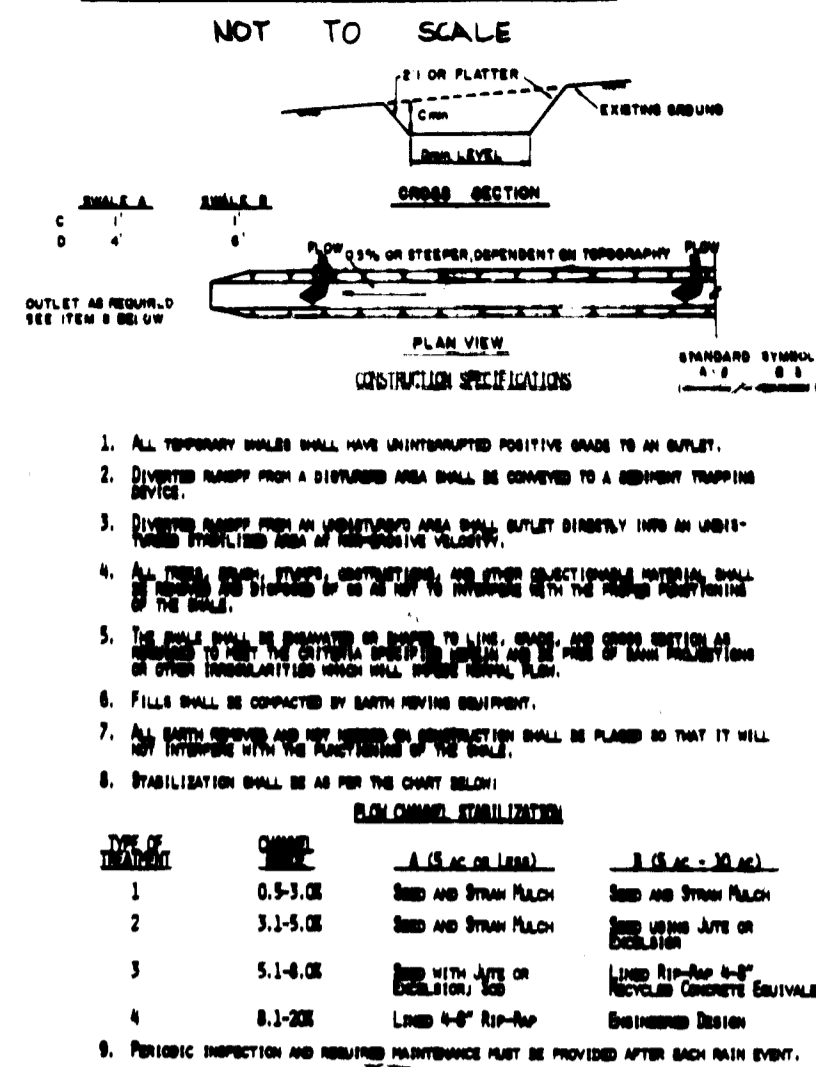
DRAINAGE AREA MAP
 VALLEY MEDE
 SECTION 13, AREA 2
 2ND ELECTION DISTRICT HOWARD COUNTY, MD.
 SCALE: 1" = 100' DATE: OCTOBER 2, 1985
 TAX MAP #7 PARCEL 199 SHEET 10F 6

F-84-36

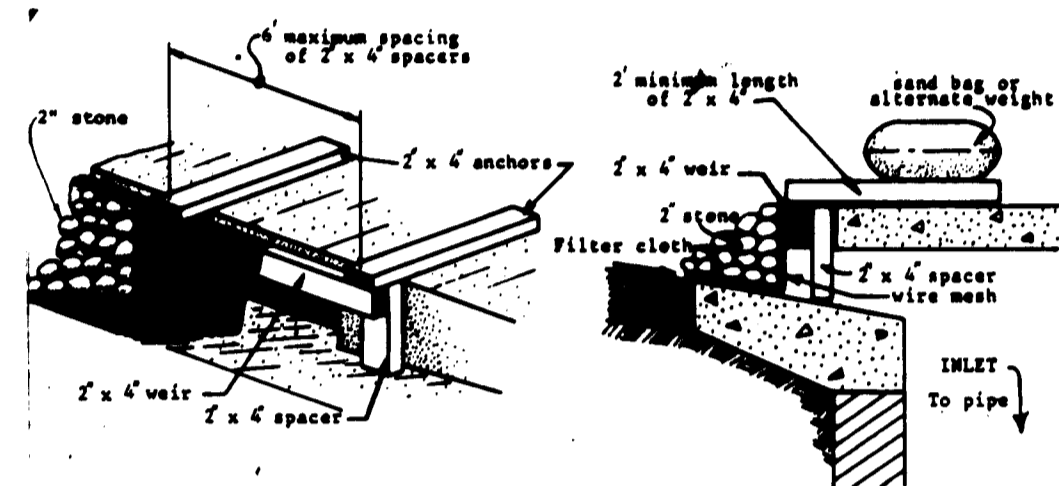
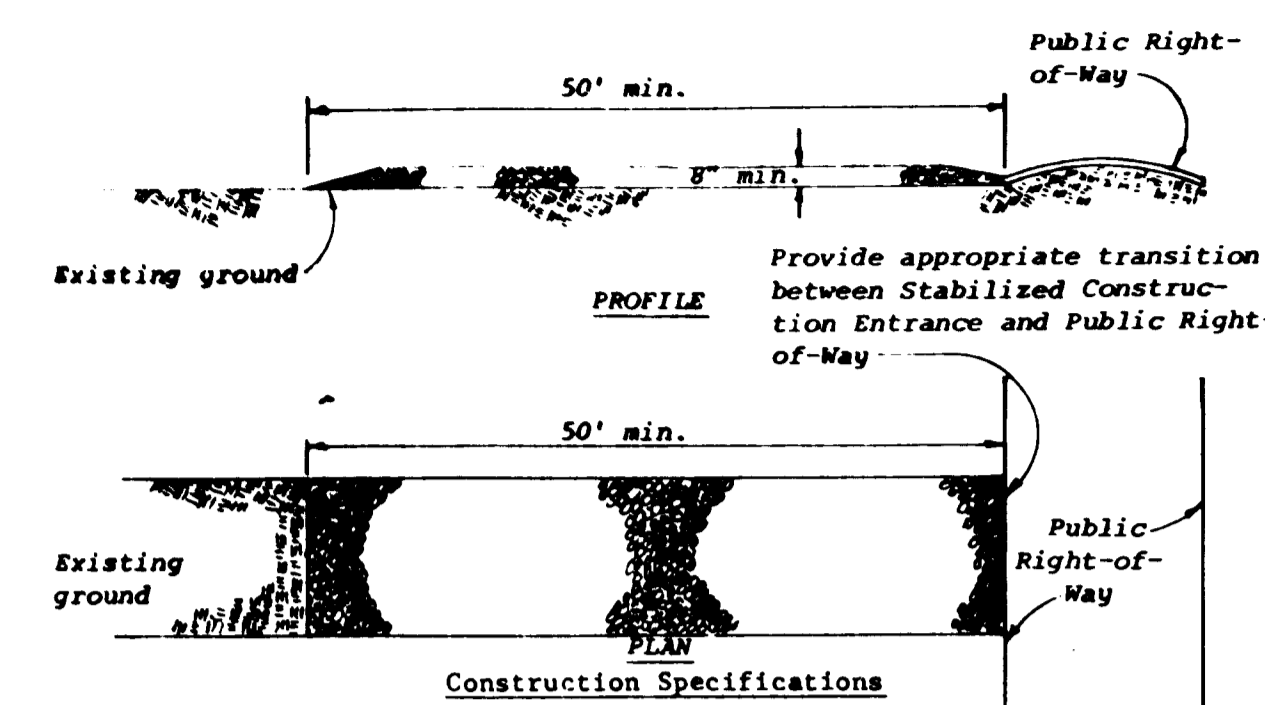
BY	NO.	REVISION	DATE
D.A.N.	1	ADD DOWELL 12" MIN.	3-3-87
D.A.N.	2	ADD PROP. HEADWALL EXTENSION	3-3-87



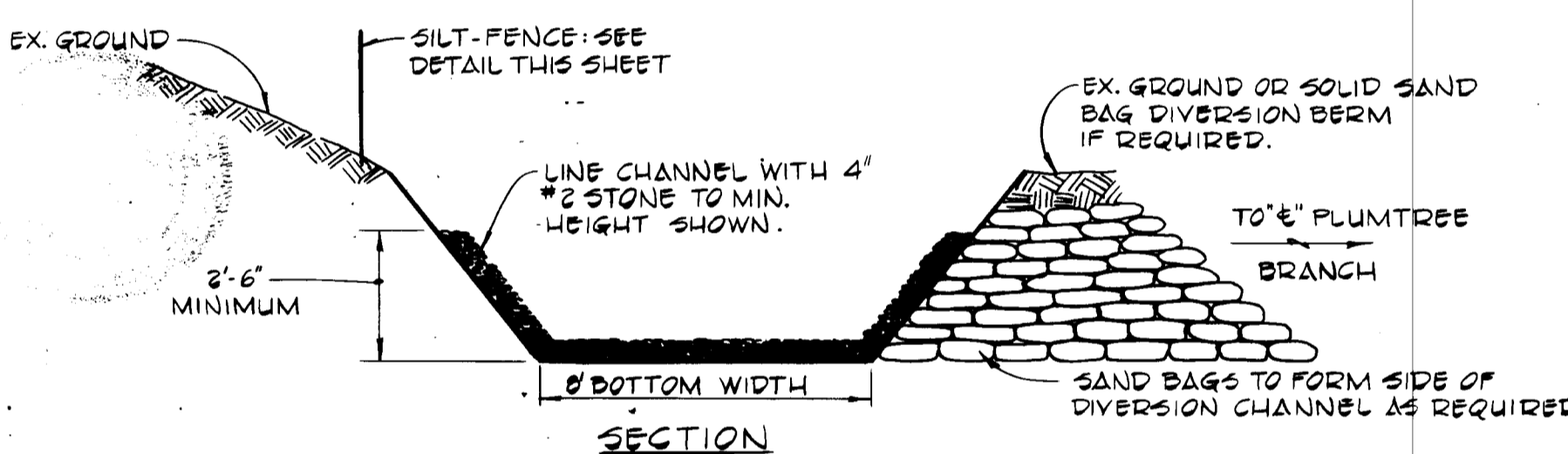
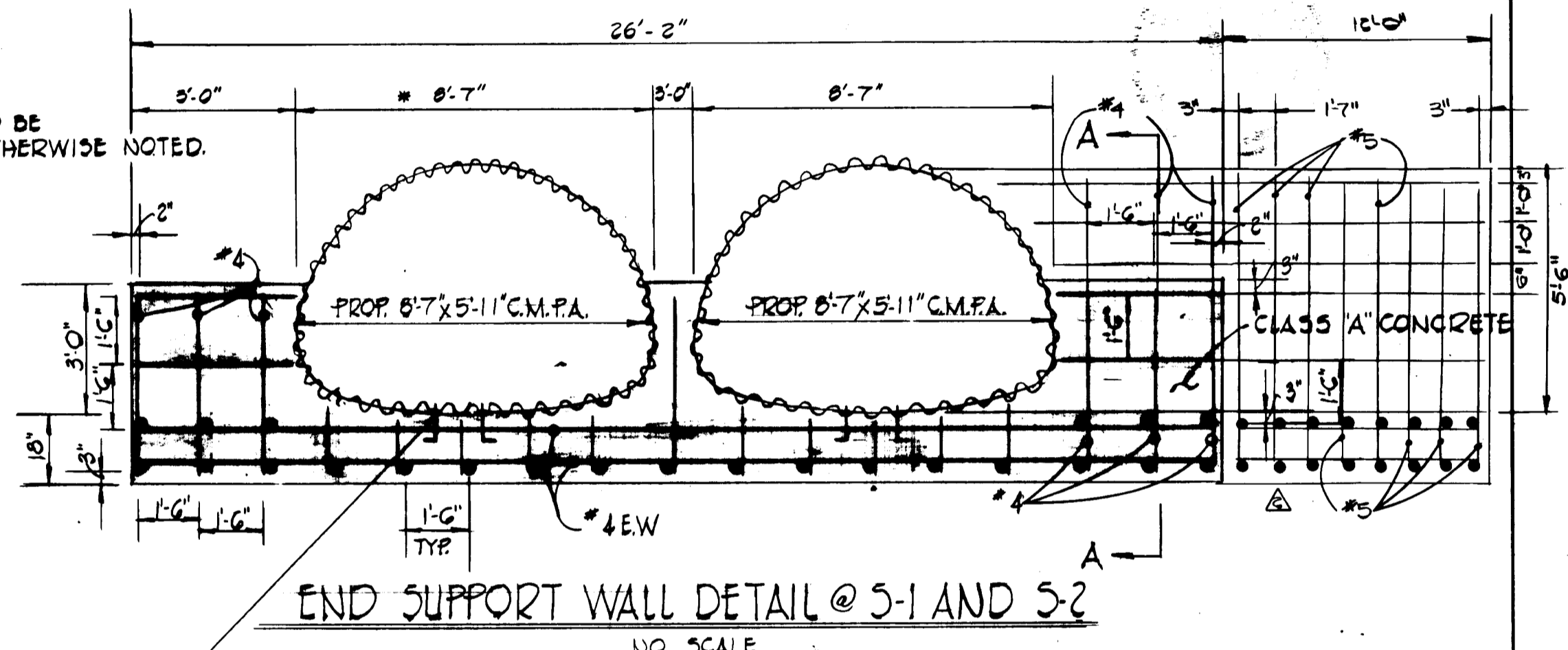
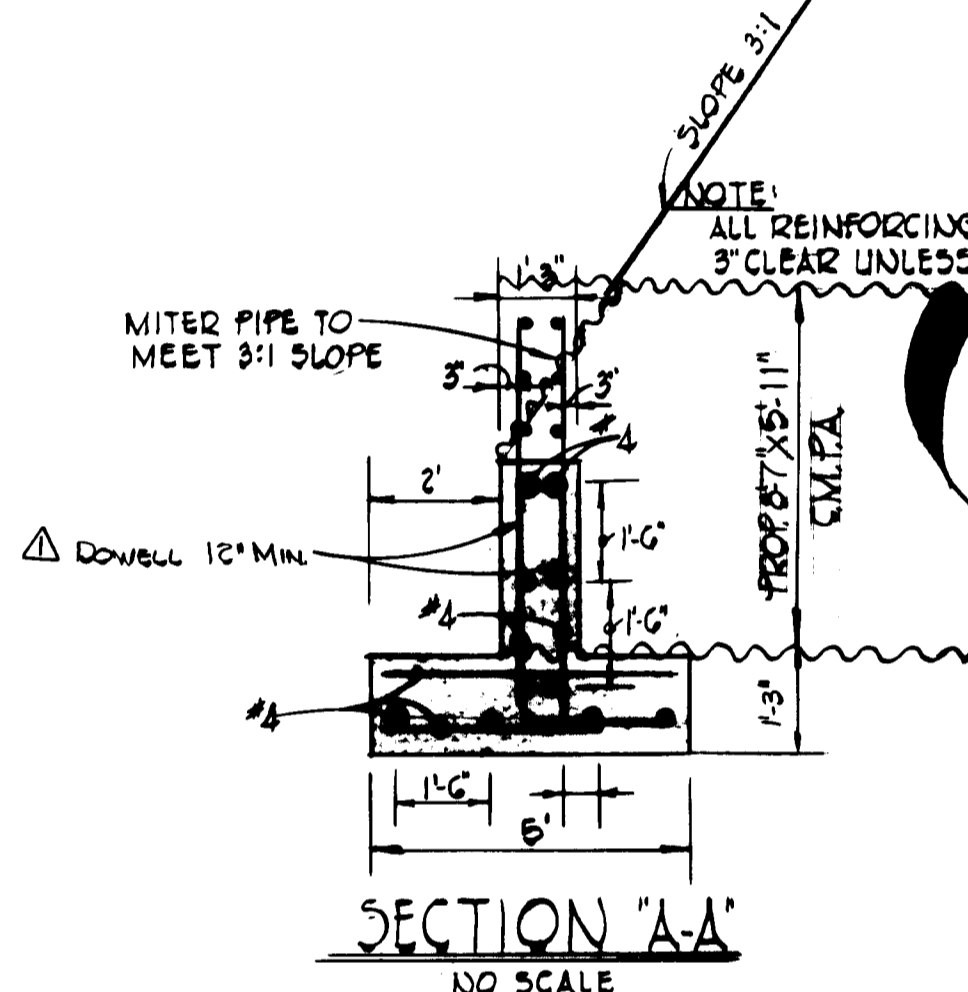
TEMPORARY SWALE



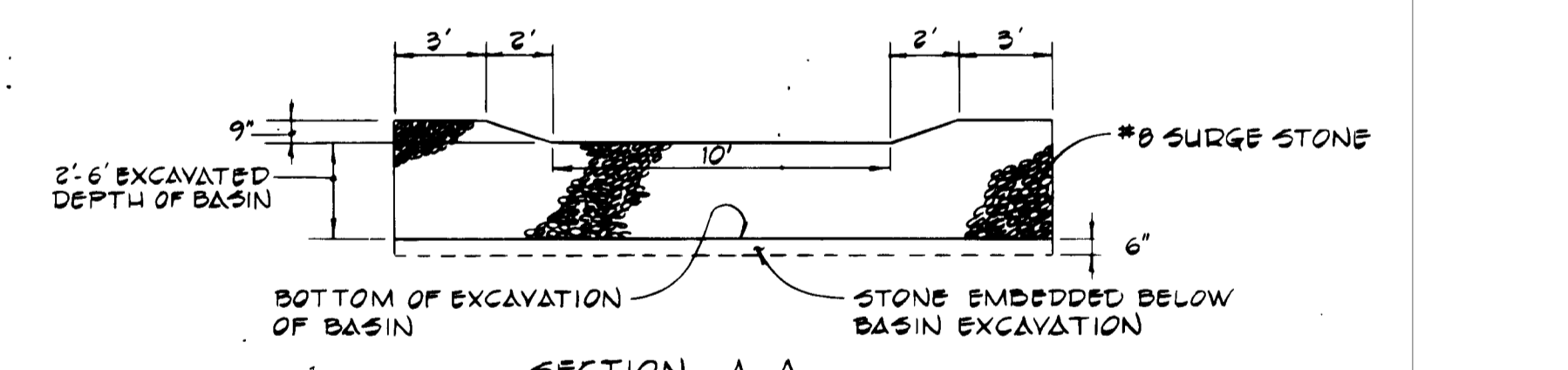
STABILIZED CONSTRUCTION ENTRANCE
(not to scale)



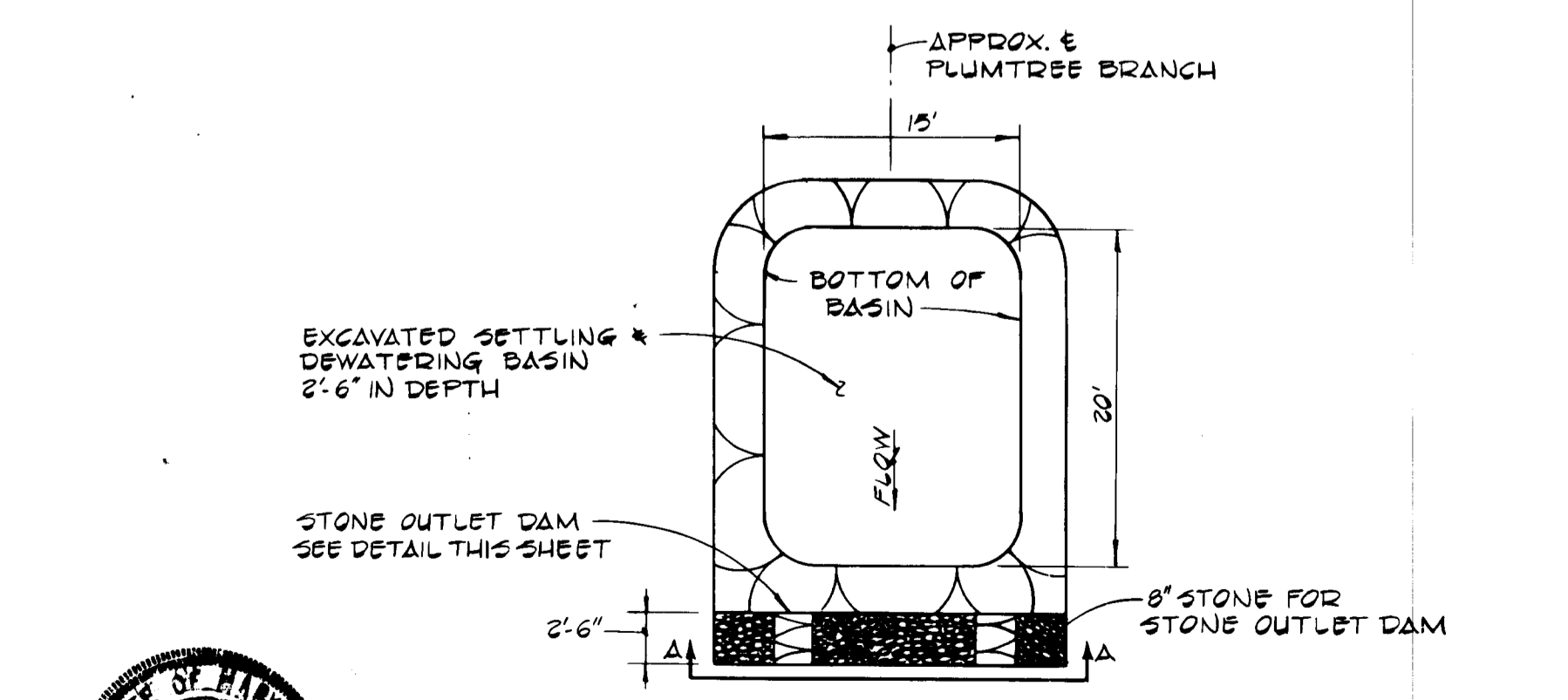
1. Attach a continuous piece of wire mesh (30" min. width by throat length plus 4") to the 2" x 4" weir (measuring throat length plus 4") as shown on the standard drawing.
2. Place a piece of approved filter cloth (40-85 gsm) of the same dimensions as the wire mesh over the wire mesh and securely attach to the 2" x 4" weir.
3. Securely nail the 2" x 4" weir to 8" long vertical spacers to be located between the weir and inlet face (max. 6' apart).
4. Place the assembly against the inlet throat and nail (minimum 2" lengths of 2" x 4" to the top of the weir at spacer locations). These 2" x 4" anchors shall extend across the inlet top and be held in place by sandbags or alternate weight.
5. The assembly shall be placed so that the end spacers are a minimum 1' beyond both ends of the throat opening.
6. Form the wire mesh and filter cloth to the concrete gutter and against the face of curb on both sides of the inlet. Place clean 2" stone over the wire mesh and filter fabric in such a manner as to prevent water from entering the inlet under or around the filter cloth.
7. This type of protection must be inspected frequently and the filter cloth and stone replaced when clogged with sediment.
8. Assure that storm flow does not bypass inlet by installing temporary earth or asphalt dikes directing flow into inlet.



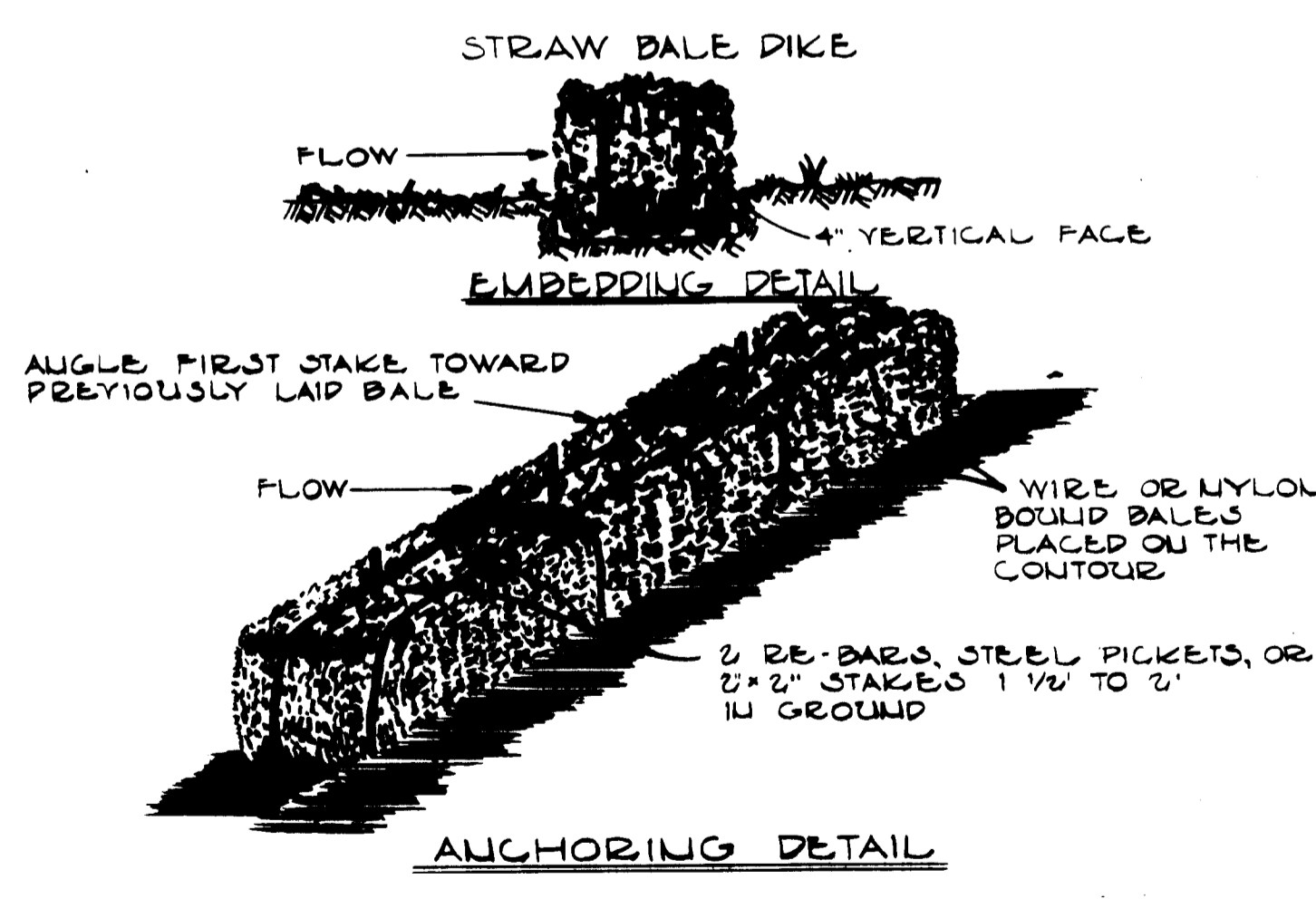
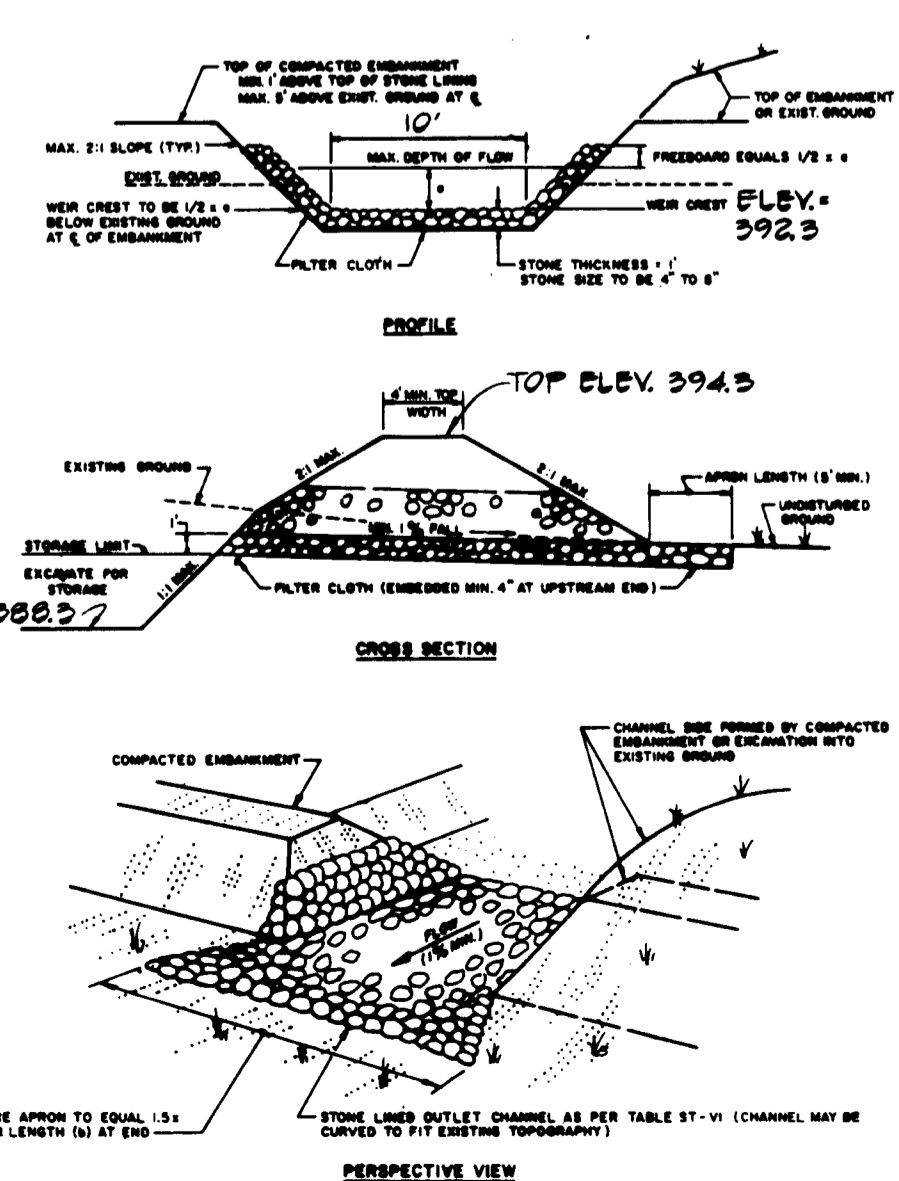
STONE FILTER INLET PROTECTION NO SCALE



DETAIL: STONE OUTLET DAM NO SCALE



RIPRAP OUTLET SEDIMENT TRAP ST-VI



- CONSTRUCTION SPECIFICATIONS:**
1. Bales shall be placed at the toe of a slope or on the contour and in a row with ends tightly abutting the adjacent bales.
 2. Each bale shall be embedded in the soil a minimum of (4) inches, and placed so the bindings are horizontal.
 3. Bales shall be securely anchored in place by either two stakes or re-bars driven through the bale. The first stake in each bale shall be driven toward the previously laid bale at an angle to force the bales together. Stakes shall be driven flush with the bale.
 4. Inspection shall be present and repair replacement shall be made promptly as needed.
 5. Bales shall be removed when they have served their usefulness so as not to block or impede storm flow or drainage.

APPROVED: DEPARTMENT OF PUBLIC WORKS
[Signature] 2-26-86
 CHIEF, BUREAU OF ENGINEERING

APPROVED: OFFICE OF PLANNING AND ZONING
[Signature] 2-27-86
 CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

VALLEY MEDE SECTION 13 AREA 2
 2ND ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

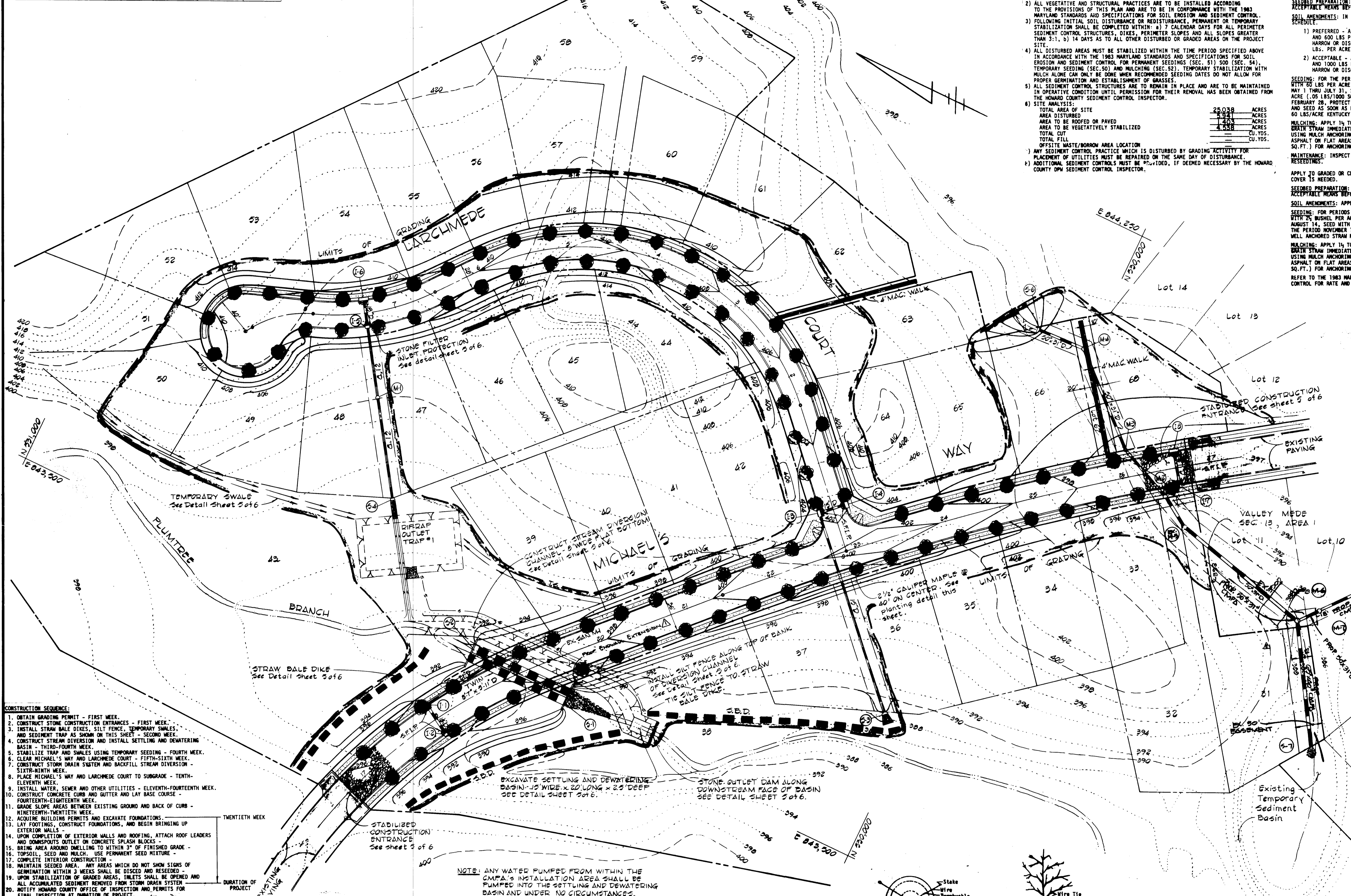
SEDIMENT CONTROL AND END WALL DETAILS

OWNER AND DEVELOPER
 TARTAN DEVELOPMENT OF MARYLAND, INC.
 1120 NEW HAMPSHIRE, SUITE 402
 SILVER SPRING, MARYLAND 20904

SCALE: NONE DATE: JULY 1, 1985 DWG. NO. 5 OF 6
 DES. C.C. DRN. T.A.P. CHK. R.D.G.

FISHER, COLLINS AND CARTER, INC.
 CONSULTING ENGINEERS AND LAND SURVEYORS
 8588 COURT AVE. ELLICOTT CITY, MARYLAND 21043

TRAP No.	LENGTH (INSIDE)	WIDTH (INSIDE)	DRAINAGE AREA	CAPACITY REQUIRED	CAPACITY PROVIDED	DEPTH
1	100'	30'	2.9 AC.	16,000 cu ft.	16,000 cu ft.	3.0'



- CONSTRUCTION SEQUENCE:**
1. OBTAIN GRADING PERMIT - FIRST WEEK.
 2. CONSTRUCT STONE CONSTRUCTION ENTRANCES - FIRST WEEK.
 3. INSTALL STRAW BALE DIKES, SILT FENCE, TEMPORARY SWALES, AND SEDIMENT TRAP AS SHOWN ON THIS SHEET - SECOND WEEK.
 4. CONSTRUCT STREAM DIVERSION AND INSTALL SETTLING AND DOWATERING BASIN - THIRD-FOURTH WEEK.
 5. STABILIZE TRAP AND SWALES USING TEMPORARY SEEDING - FOURTH WEEK.
 6. CLEAR MICHAEL'S WAY AND LARCHMEDE COURT - FIFTH-SIXTH WEEK.
 7. CONSTRUCT STORM DRAIN SYSTEM AND BACKFILL STREAM DIVERSION - SIXTH-SEVENTH WEEK.
 8. PLACE MICHAEL'S WAY AND LARCHMEDE COURT TO SUBGRADE - TENTH-ELEVENTH WEEK.
 9. INSTALL WATER, SEWER AND OTHER UTILITIES - ELEVENTH-FOURTEENTH WEEK.
 10. CONSTRUCT CONCRETE CURB AND GUTTER AND LAY BASE COURSE - FOURTEENTH-EIGHTEENTH WEEK.
 11. GRADE SLOPE AREAS BETWEEN EXISTING GROUND AND BACK OF CURB - NINETEENTH-TWENTIETH WEEK.
 12. ACQUIRE BUILDING PERMITS AND EXCAVATE FOUNDATIONS.
 13. LAY FOOTINGS, CONSTRUCT FOUNDATIONS, AND BEGIN BRINGING UP EXTERIOR WALLS.
 14. UPON COMPLETION OF EXTERIOR WALLS AND ROOFING, ATTACH ROOF LEADERS AND DOWNSPOUTS OUTLET ON CONCRETE SPLASH BLOCKS.
 15. BRING AREA AROUND DWELLING TO WITHIN 3" OF FINISHED GRADE - SIXTEENTH-SEVENTEENTH WEEK.
 16. TOPSOIL, SEED AND MULCH. USE PERMANENT SEED MIXTURE - SEVENTEENTH-EIGHTEENTH WEEK.
 17. COMPLETE INTERIOR CONSTRUCTION - EIGHTEENTH-SEVENTEENTH WEEK.
 18. MAINTAIN SEED AREA. ANY AREAS WHICH DO NOT SHOW SIGNS OF GERMINATION WITHIN 3 WEEKS SHALL BE DISCED AND RESEED.
 19. UPON STABILIZATION OF GRADED AREAS, INLETS SHALL BE OPENED AND ALL ACCUMULATED SEDIMENT REMOVED FROM STORM DRAIN SYSTEM.
 20. NOTIFY HOWARD COUNTY OFFICE OF INSPECTION AND PERMITS FOR FINAL INSPECTION AT DURATION OF PROJECT.
 21. BACKFILL TEMPORARY SWALES, SEDIMENT TRAP, AND SETTLING AND DOWATERING BASIN. TOPSOIL, SEED AND MULCH. USE PERMANENT SEED MIXTURE.
 22. REMOVE STABILIZED CONSTRUCTION ENTRANCE.
 23. CLEAN BASE COURSE, APPLY TACK COAT TO BASE COURSE AND LAY SURFACE COURSE.

NOTE: TIME FRAMES SHOWN ABOVE MAY VARY DUE TO INCLIMATE WEATHER AND MARKET CONDITIONS.

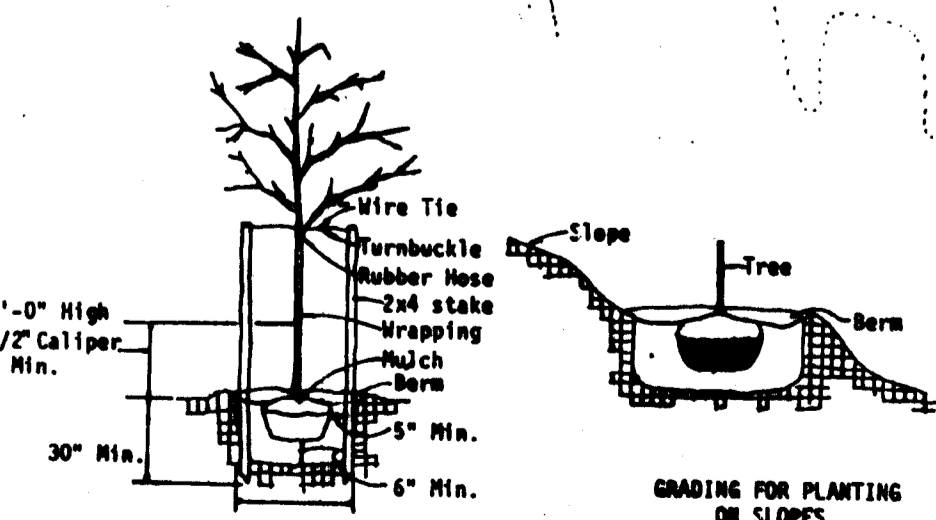
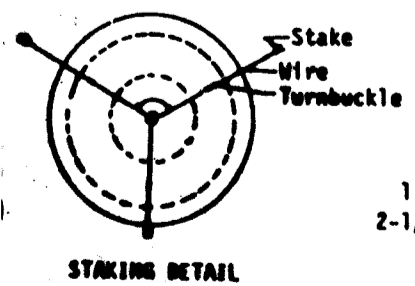
FISHER, COLLINS & CARTER, INC.
 CONSULTING ENGINEERS AND LAND SURVEYORS
 8388 COURT AVENUE
 ELLICOTT CITY, MARYLAND 21043
 W. 20166

AWB	Symbol	Description	Date
DAN	▲	Storm Drain Extension	6-22-80
DAN	▲	RELOCATE S-S AND ADD M-S	3-4-87
DAN	▲	ADD REAR EDR WALL EXTENSION	3-3-87
BY	NO.	REVISION	Date

NOTE: ANY WATER PUMPED FROM WITHIN THE C.M.P.A.'S INSTALLATION AREA SHALL BE PUMPED INTO THE SETTLING AND DOWATERING BASIN AND UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR PUMP ANY WATER DIRECTLY INTO PLUMTREE BRANCH.

PLAN SCALE: 1" = 30'

NOTE: CONTRACTOR SHALL VERIFY LOCATION OF UNDERGROUND UTILITIES PRIOR TO DIGGING. FINAL LOCATIONS OF TREES NOT BE ADJUSTED SLIGHTLY TO ACCOMMODATE FIELD CONDITIONS. PLANTING PROCEDURES SHALL COMPLY WITH "LANDSCAPE SPECIFICATIONS FOR BALTIMORE-WASHINGTON METROPOLITAN AREAS". SUBSTITUTIONS TO THE ABOVE SPECIES MAY BE PERMITTED, PROVIDED THAT THE PLANTING IS IN ACCORDANCE WITH THE STREET TREE AND LANDSCAPE REQUIREMENTS AS SPECIFIED IN SECTION 16.131 OF THE HOWARD COUNTY SUBDIVISION REGULATIONS.



Denotes Acer Saccharum (Sugar Maple)

TREE PLANTING

- SEDIMENT CONTROL NOTES:**
- 1) A MINIMUM OF 24 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY OFFICE OF INSPECTIONS AND PERMITS PRIOR TO THE START OF ANY CONSTRUCTION (992-2437).
 - 2) ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
 - 3) FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: a) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1; b) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
 - 4) ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDINGS (SEC. 51) 500 (SEC. 54) TEMPORARY SEEDING (SEC. 50) AND MULCHING (SEC. 52). TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
 - 5) ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
 - 6) SITE ANALYSIS:

TOTAL AREA OF SITE	25.038 ACRES
AREA DISTURBED	6.581 ACRES
AREA TO BE MODED OR PAVED	4.205 ACRES
AREA TO BE VEGETATIVELY STABILIZED	4.258 ACRES
TOTAL CUT	— CU. YDS.
TOTAL FILL	— CU. YDS.
- 1) ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
 2) ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY DPM SEDIMENT CONTROL INSPECTOR.

- PERMANENT SEEDING NOTES:**
- APPLY TO GRADED OR CLEARED AREA NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LOW-LIVED VEGETATIVE COVER IS NEEDED.
- SEEDING PREPARATION:** LOOSEN UPPER THREE-INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.
- SOIL AMENDMENTS:** IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF THE FOLLOWING SCHEDULE:
- 1) PREFERRED - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS/1000 SQ. FT.) AND 500 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS/1000 SQ. FT.) BEFORE SEEDING. HARROW OR DISC INTO UPPER THREE-INCHES OF SOIL AT TIME OF SEEDING. APPLY 600 LBS. PER ACRE 30-0-0 UREAFORM FERTILIZER (9 LBS/1000 SQ. FT.).
 - 2) ACCEPTABLE - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS/1000 SQ. FT.) AND 1000 LBS PER ACRE 10-10-10 FERTILIZER (23 LBS/1000 SQ. FT.) BEFORE SEEDING. HARROW OR DISC INTO UPPER THREE-INCHES OF SOIL.
- SEEDING:** FOR THE PERIODS MARCH 1 THRU APRIL 30, AND AUGUST 1 THRU OCTOBER 15, SEED WITH 60 LBS PER ACRE (1.4 LBS/1000 SQ. FT.) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 THRU JULY 31, SEED WITH 60 LBS KENTUCKY 31 TALL FESCUE PER ACRE AND 2 LBS PER ACRE (0.5 LBS/1000 SQ. FT.) OF KEEPING LOVEGRASS. DURING THE PERIOD OF OCTOBER 16 THRU FEBRUARY 28, PROTECT SITE BY: OPTION (1) 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING. OPTION (2) USE 500. OPTION (3) SEED WITH 60 LBS/ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TONS/ACRE WELL ANCHORED STRAW.
- MULCHING:** APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS/1000 SQ. FT.) OF UNROTTED SMALL BRUSH STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 2 1/2 GALLONS PER ACRE (5 GAL/1000 SQ. FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 6 FEET OR HIGHER, USE 348 GAL PER ACRE (8 GAL/1000 SQ. FT.) FOR ANCHORING.
- MAINTENANCE:** INSPECT ALL SEEDED AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.
- TEMPORARY SEEDING NOTES:**
- APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE REDISTURBED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.
- SEEDING PREPARATION:** LOOSEN UPPER THREE-INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.
- SOIL AMENDMENTS:** APPLY 600 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS/1000 SQ. FT.).
- SEEDING:** FOR PERIODS MARCH 1 THRU APRIL 30 AND FROM AUGUST 15 THRU NOVEMBER 15, SEED WITH 75 BUSHEL PER ACRE OF ANNUAL RYE (3 LBS/1000 SQ. FT.) FOR THE PERIOD MAY 1 THRU AUGUST 14, SEED WITH 3 LBS PER ACRE OF KEEPING LOVEGRASS (.07 LBS/1000 SQ. FT.). FOR THE PERIOD NOVEMBER 16 THRU FEBRUARY 28, PROTECT SITE BY APPLYING 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OR USE 500.
- MULCHING:** APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS/1000 SQ. FT.) OF UNROTTED SMALL BRUSH STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 2 1/2 GALLONS PER ACRE (5 GAL/1000 SQ. FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 6 FT. OR HIGHER, USE 348 GAL PER ACRE (8 GAL/1000 SQ. FT.) FOR ANCHORING.
- REFER TO THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

ENGINEER'S CERTIFICATE

I HEREBY CERTIFY THAT THE PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTED ON THIS PLAN AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT IS IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD COUNTY DISTRICT.

DATE: 11/16/80
 SIGNATURE OF ENGINEER: [Signature]

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 COUNTY CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY.

DATE: 11/16/80
 SIGNATURE OF DEVELOPER: [Signature]

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

DATE: 11/16/80
 SIGNATURE: [Signature]

THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY CONSERVATION DISTRICT.

DATE: 11/16/80
 SIGNATURE: [Signature]

APPROVED: DEPARTMENT OF PUBLIC WORKS.

DATE: 11/16/80
 SIGNATURE: [Signature]

DATE: 11/16/80
 SIGNATURE: [Signature]

OWNER AND DEVELOPER
 TARTAN DEVELOPMENT OF MD, INC.
 1120 NEW HAMPSHIRE AVE, SUITE 402
 SILVER SPRING, MARYLAND 20904

STREET TREE, GRADING AND SEDIMENT CONTROL PLAN
 VALLEY MEDE
 SECTION 13 AREA 2
 2ND ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 SCALE: AS SHOWN JULY 1, 1985
 SHEET 6 OF 6