STABILIZATION SPECIFICATION
PERMANENT SEEDING NOTES

ALL DISTURBED AREAS SHALL BE STABILIZED AS FOLLOWS:

SEEDBED PREPARATION: LOOSEN UPPER 3 INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.

SOIL AMENDMENTS - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS./1,000 SQ.FT.) AND 600 LBS. PER ACRE 6-20-20 FERTILIZER (14 LBS./1,000 SQ.FT.). HARROW OR DISC LIME AND FERTILIZER INTO UPPER THREE INCHES OF SOIL. AT TIME OF SEEDING, APPLY 400 LBS. PER ACRE (9.2 LBS./1,000 SQ.FT.) OF 30-0-0 UREAFORM FERTILIZER AND 900 LBS. PER ACRE (11.5 LBS./1,000 SQ.FT.) OF 10-20-20 FERTILIZER.

SEEDING - FOR THE PERIODS MARCH 1 THRU APRIL 30, AND AUGUST 1 THRU OCTOBER 15, SEED WITH 60 LBS. PER ACRE (1.4 LBS./1,000 SQ.FT.) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 THRU JULY 31, SEED WITH 40 LBS. KENTUCKY 31 TALL FESCUE PER ACRE AND 2 LBS. PER ACRE (.05 LBS./1,000 SQ.FT.) OF WEEPING 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 SOD. OPTION (3) - SEED WITH 60 LBS./ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TONS/ACRE WELL ANCHORED STRAW.

MULCHING - APPLY 1½ TO 2 TONS PER ACRE (70 TO 90 LBS./1,000 SQ. FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING 200 GALLONS PER ACRE (5 GALLONS/1,000 SQ. FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 8 FEET OR HIGHER, USE 348 GALLONS PER ACRE (8 GALLONS/1,000 SQ.FT.) FOR ANCHORING.

MAINTENANCE - INSPECT ALL SEEDED AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS, AND RESEEDINGS.

TEMPORARY SEEDING NOTES

SEEDBED PREPARATION - LOOSEN UPPER 3 INCHES BY DISCING, RAKING, OR OTHER ACCEPTABLE MEANS.

SOIL AMENDMENTS - APPLY 600 LBS. PER ACRE (15 LBS./1,000 SQ.FT.) OF 10-20-10 FERTILIZER.

SEEDING - FOR PERIODS MARCH 1 THRU APRIL 30, AND FROM AUGUST 15 THRU NOVEMBER 15. STIR WITH 2½ BUSHELS PER ACRE (3.2 LBS./1,000 SQ.FT.) OF ANNUAL RYE. FOR THE PERIOD MAY 1 THRU AUGUST 14 SEED WITH 3 LBS./ACRE (0.07 LBS./1,000 SQ.FT.) OF WEEPING LOVEGRASS.

MULCHING - APPLY 1½ TO 2 TONS PER ACRE (70 TO 90 LBS./1,000 SQ.FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING 200 GALLONS PER ACRE (5 GALLONS/1,000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 8 FEET OR HIGHER USE 348 GALLONS PER ACRE (8 GALLONS/1,000 SQ.FT.) FOR ANCHORING.

By the Developer:

"I/We certify that all development and construction will be done according to this plan, and that any 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."

Marc Z Elrich — 11/9/84
Signature of Developer — Date

By the Engineer:

"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."

John W. Schneider — 11/5/84
Signature of Engineer — Date

STATE OF MARYLAND — JOHN WILLIAM SCHNEIDER — No. 9912 — REGISTERED PROFESSIONAL ENGINEER

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT

Stephen K. Ahalt — 3/1/85
Chairman, H.S.C.D. — Date

Reviewed for HOWARD S.C.D. and meets Technical Requirements.

Karen M. Hahn — 3-1-85
U.S. Soil Conservation Service — Date

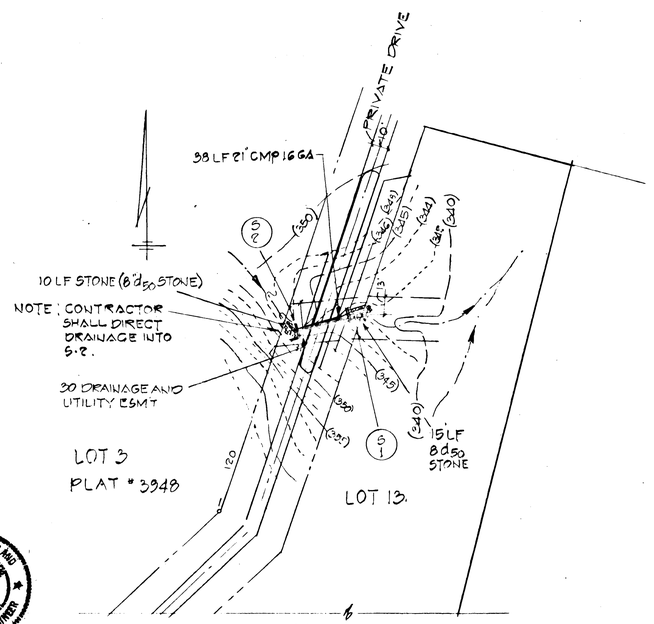
APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

3-1-85
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION — DATE

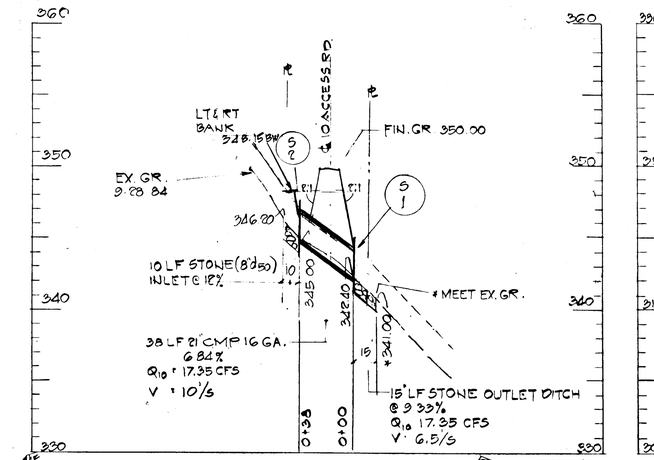
APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

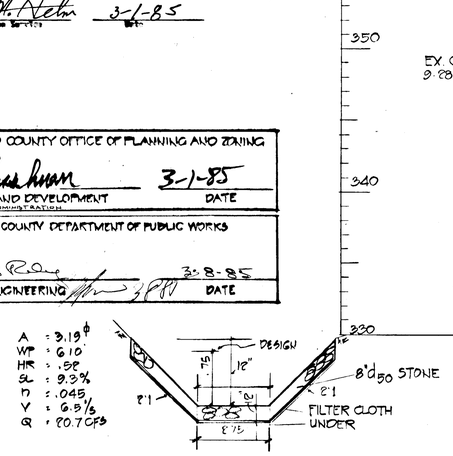
3-8-85
CHIEF, BUREAU OF ENGINEERING — DATE

#624

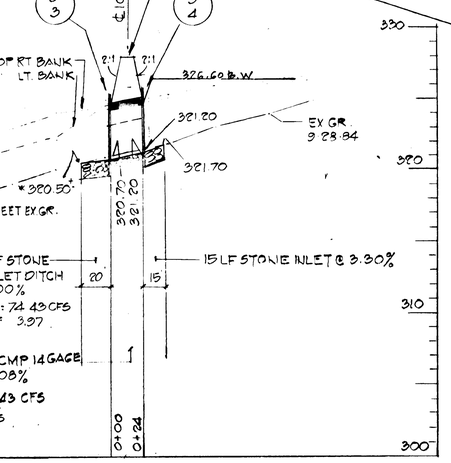


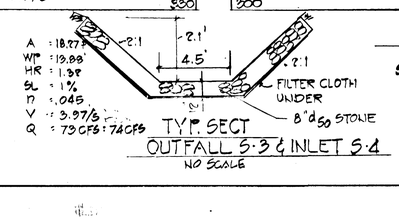
PLAN
SCALE 1" = 50'



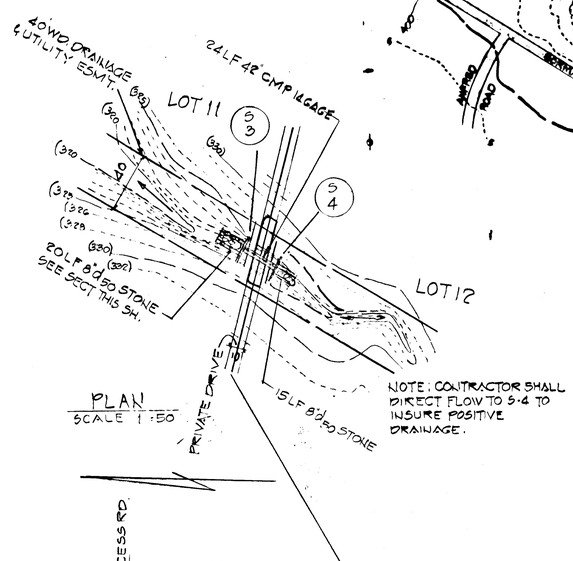


TYP. SECT.
OUTFALL S-1 & INLET S-2
NO SCALE

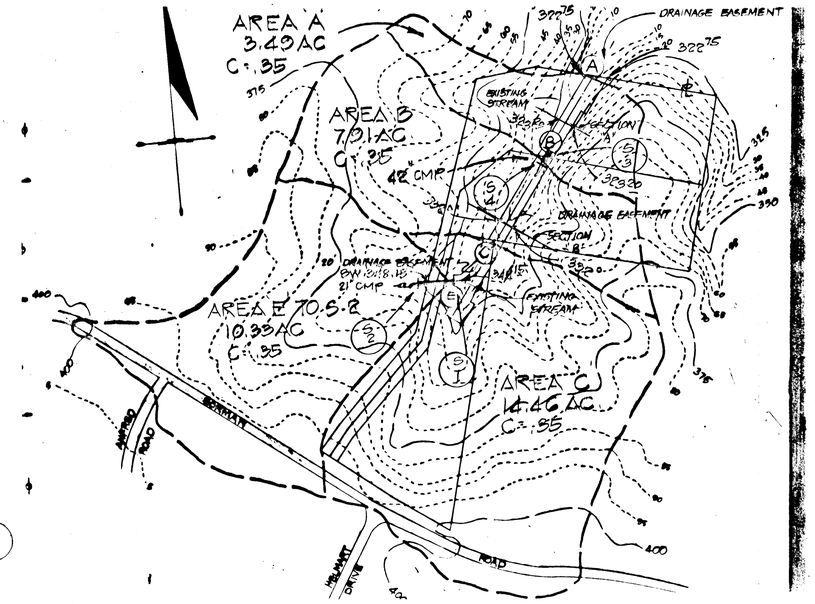




TYP. SECT
OUTFALL S-3 & INLET S-4
NO SCALE



PLAN
SCALE 1" = 50'



DRAINAGE AREA MAP
1" = 200'

STRUCTURE SCHEDULE					
NO	TYPE	INV. IN	INV OUT	TOP EL	REMARKS
S-1	METAL END SECTION	-	342.40	SET IN FIELD	SEE HO CO DESIGN MANUAL VOL IV - SD 5.61
S-2	TYPE E ENDWALL	345.00	-	347.75	" " " " " " " " - SD 5.31
S-3	METAL END SECTION	-	320.70	SET IN FIELD	" " " " " " " " - SD 5.61
S-4	METAL END SECTION	321.70	-	"	" " " " " " " " - SD 5.61

NOTE: ALL CONSTRUCTION METHODS AND MATERIALS SHALL BE IN ACCORDANCE WITH HOWARD COUNTY SPECIFICATIONS AND DETAILS.

CULVERT CROSSINGS
PRIVATE DRIVEWAYS LOTS 11, 12, & 13
KINDLER ESTATES

6TH. DISTR.
OCT. 22, 1984

HO CO MD
SCALE:
AS SHOWN

OWNER: MARC ELRICH
7800 CARROLL AVE.
TAKOMA PARK MD. 20912
301-270-4583

SURVEYOR:
JOHN C. MELLEMA SR. INC.
6100 BALTO. NATIONAL PIKE
BALTO. MD. 21228
301-744-8880

SH. 1 OF 2

REVISIONS: 1. CHANGE PIPE TYPE FROM RCP TO CMP - 8-5-85
2. CHANGE HEADWALLS S-1, S-3, S-4 TO METAL END SECTIONS - 8-5-85

F-84-191

STABILIZATION SPECIFICATION
PERMANENT SEEDING NOTES

ALL DISTURBED AREAS SHALL BE STABILIZED AS FOLLOWS:

SEEDBED PREPARATION: LOOSEN UPPER 3 INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.

SOIL AMENDMENTS - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS./1,000 SQ.FT.) IF 400 LBS. PER ACRE 0-20-20 FERTILIZER (34 LBS./1,000 SQ.FT.). HARROW OR DISC LIME AND FERTILIZER INTO UPPER THREE INCHES OF SOIL. AT TIME OF SEEDING, APPLY 600 LBS. PER ACRE (9.2 LBS./1,000 SQ.FT.) OF 30-0-0 UREAFORM FERTILIZER AND 900 LBS. PER ACRE (11.5 LBS./1,000 SQ.FT.) OF 10-20-20 FERTILIZER.

SEEDING - FOR THE PERIODS MARCH 1 THRU APRIL 30, AND AUGUST 1 THRU OCTOBER 15, SEED WITH 60 LBS. PER ACRE (1.4 LBS./1,000 SQ.FT.) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 THRU JULY 31, SEED WITH 50 LBS. KENTUCKY 31 TALL FESCUE PER ACRE AND 2 LBS. PER ACRE (.05 LBS./1,000 SQ.FT.) OF WEEPING LOVEGRASS. DURING THE PERIOD OF OCTOBER 16 THRU FEBRUARY 28, PROTECT SITE BY: OPTION (1) - 2 TONS PER ACRE OF WELL ANCHORED STRAW AND SEED AS SOON AS POSSIBLE IN THE SPRING. OPTION (2) - 6 - 5TH OPTION (3) - SEED WITH 60 LBS./ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TONS/ACRE WELL ANCHORED STRAW.

MULCHING - APPLY 1½ TO 2 TONS PER ACRE (70 TO 90 LBS./1,000 SQ. FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION WITH 200 GALLONS PER ACRE (5 GALLONS/1,000 SQ. FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 8 FEET OR HIGHER, USE 348 GALLONS PER ACRE (8 GALLONS/1,000 SQ.FT.) FOR ANCHORING.

MAINTENANCE - INSPECT ALL SEEDED AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS, AND RESEEDINGS.

TEMPORARY SEEDING NOTES

SEEDBED PREPARATION - LOOSEN UPPER 3 INCHES BY DISCING, RAKING, OR OTHER ACCEPTABLE MEANS.

SOIL AMENDMENTS - APPLY 600 LBS. PER ACRE (25 LBS./1,000 SQ.FT.) OF 10-20-10 FERTILIZER.

SEEDING - FOR PERIODS MARCH 1 THRU APRIL 30, AND FROM AUGUST 15 THRU NOVEMBER 15, SEED WITH 2½ BUSHELS PER ACRE (3.2 LBS./1,000 SQ.FT.) OF ANNUAL RYE. FOR THE PERIOD MAY 1 THRU AUGUST 14 SEED WITH 3 LBS./ACRE (0.07 LBS./1,000 SQ.FT.) OF WEEPING LOVEGRASS.

MULCHING - APPLY 1½ TO 2 TONS PER ACRE (70 TO 90 LBS./1,000 SQ.FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING 200 GALLONS PER ACRE (5 GALLONS/1,000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 8 FEET OR HIGHER USE 348 GALLONS PER ACRE (8 GALLONS/1,000 SQ.FT.) FOR ANCHORING.

By the Developer:

"I/We certify that all development and construction will be done according to this plan, and that any 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."

Marc B. Elrich — 11/9/84
Signature of Developer — Date

By the Engineer:

"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."

John L. Schneider — 11/5/84
Signature of Engineer — Date

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT

Stephen L. Hahn — 3/6/85
Date

Reviewed for HOWARD S.C.D. and meets

Technical Requirements.

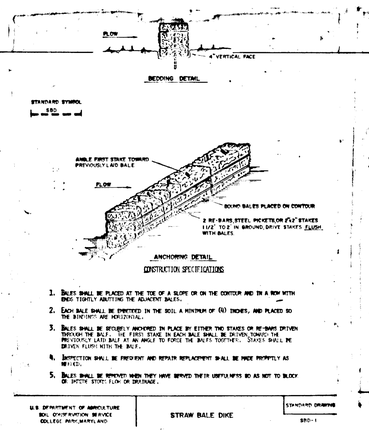
[illegible] — 3-1-85
Date

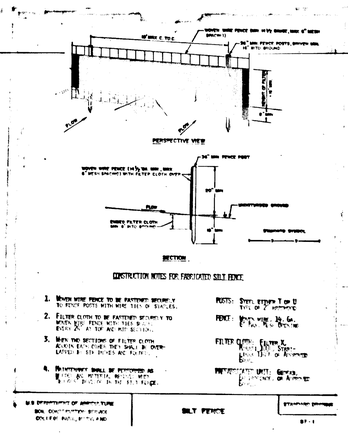
APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

[illegible] — 3-1-85
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION — DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

[illegible] — 3-8-85
CHIEF, BUREAU OF ENGINEERING — DATE



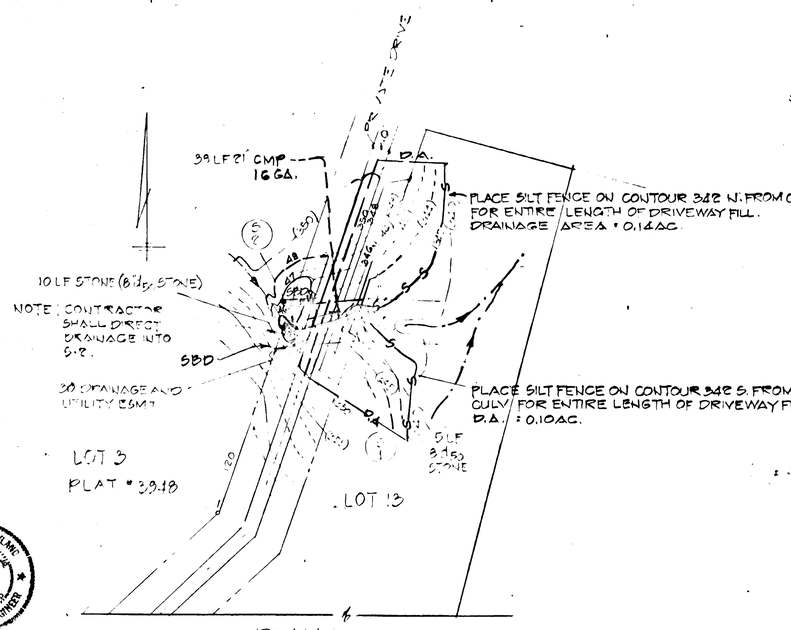


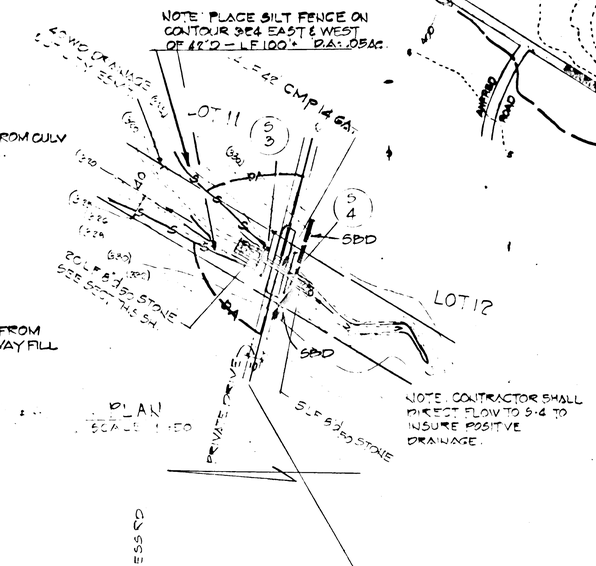
SEDIMENT CONTROL NOTES:

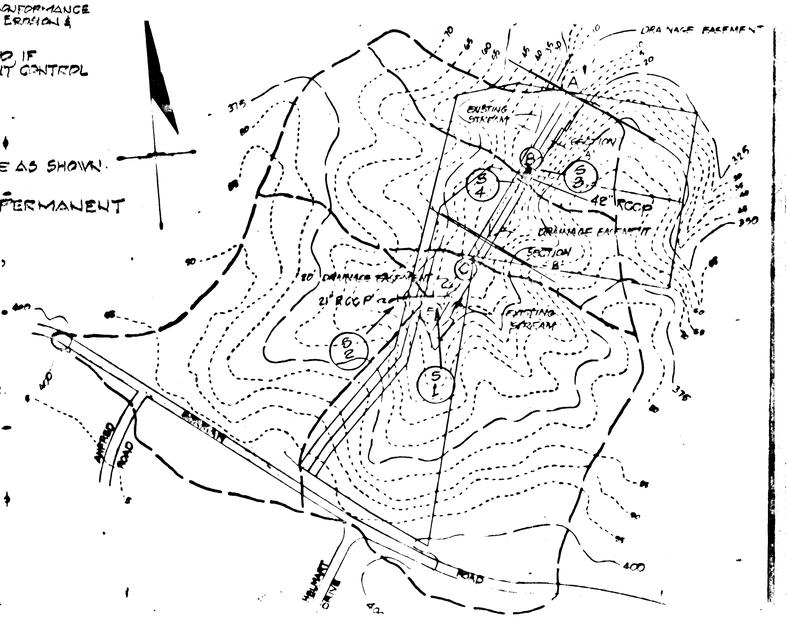
1. A MIN. OF 24 HRS. NOTICE MUST BE GIVEN TO THE HO. CO. OFFICE OF INSPECTIONS & PERMITS PRIOR TO THE START OF ANY CONSTRUCTION (992-8437)
2. ALL VEGETATIVE & STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN & ARE TO BE IN CONFORMANCE WITH THE 1983 MD. STANDARDS & SPECIFICATIONS FOR SOIL EROSION & SEDIMENT CONTROL.
3. ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED IF DEEMED NECESSARY BY THE HO. CO. DPW SEDIMENT CONTROL INSPECTOR.

CONSTRUCTION SEQUENCE:

1. INSTALL SILT FENCE AND STRAWBALE DIKE AS SHOWN.
2. INSTALL CULVERTS AND BACK FILL.
3. SEED & MULCH DISTURBED GROUND WITH PERMANENT SEEDINGS.

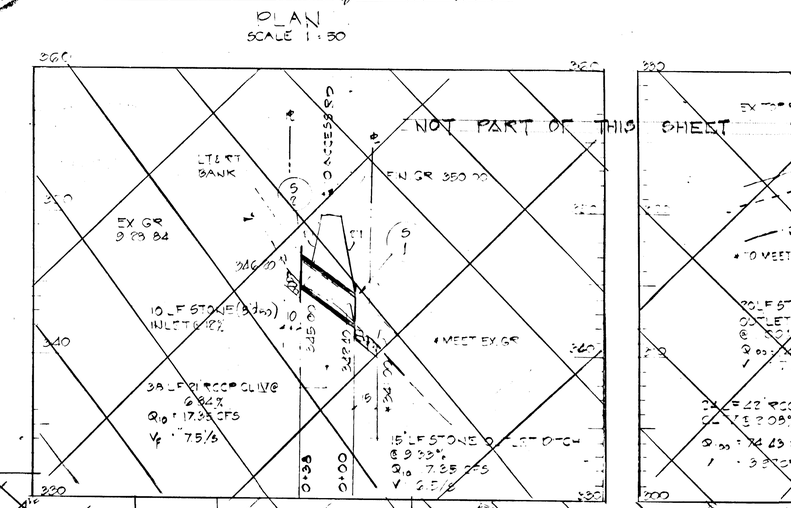






SITE ANALYSIS

1. CONSTRUCT CULVERTS AS SHOWN.
2. PROP. CULVERTS TO BE CONSTRUCTED ON EXIST. GROUND.
3. CUT = 4.0 C.Y.
4. FILL = 800 C.Y.±



STRUCTURE SCHEDULE			
NO	TYPE	INV. IN	INV. OUT REMARKS
S-1	TYPE C ENDWALL	-	349.40 24" RCCP TO DESIGN MANUAL VOL IV - SDS 5.81
S-2	TYPE E ENDWALL	345.00	- SDS 5.31
S-3	TYPE C ENDWALL	-	380.70 24" RCCP SDS 5.21
S-4	TYPE C ENDWALL	381.70	NOT PART OF SHEET SDS 5.21

NOTE: ALL CONSTRUCTION METHODS AND MATERIALS SHALL BE IN ACCORDANCE WITH HOWARD COUNTY SPECIFICATIONS AND DETAILS.

NOTE: FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN:
1) SEVEN CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES, AND ALL SLOPES GREATER THAN 3:1.
2) FOURTEEN DAYS FOR ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.

SEDIMENT CONTROL PLAN
CULVERT CROSSINGS
PRIVATE DRIVEWAYS LOTS 11, 12, & 13
KINDLER ESTATES

6TH DISTR.
OCT. 22, 1984

HO. CO. MD.
SCALE: AS SHOWN

OWNER: MARC ELRICH
7800 CARROLL AVE.
TAKOMA PARK MD. 20912
301-270-4583

SURVEYOR: JOHN C. MELLEMA SR. INC.
6100 BALTO. NATIONAL PIKE
BALTO. MD. 21228
301-744-8880

SH 2 OF 2

F84-191

624

F-84-191 SH. 2 OF 2