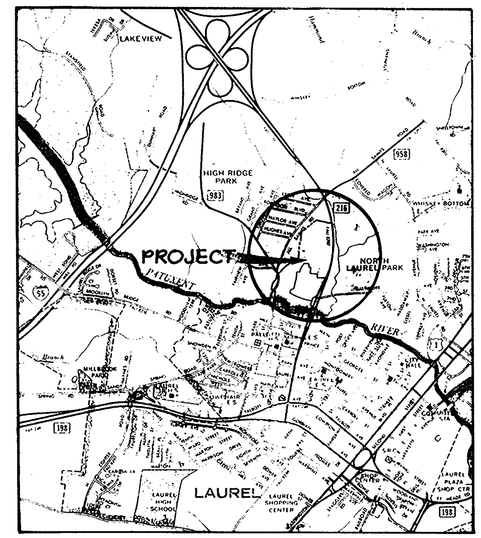
SHEET INDEX	
NO.	DESCRIPTION
1	TITLE SHEET
2	SITE DEVELOPMENT PLAN
3	DETAILS
4	PLANTING PLAN
5	SEDIMENT CONTROL PLAN
6	SEDIMENT CONTROL DETAILS

SITE DEVELOPMENT PLAN

SETTLER'S LANDING

6TH ELECTION DISTRICT

HOWARD COUNTY, MARYLAND



VICINITY MAP
Scale: 1" = 2000'

GENERAL NOTES

1. TOPOGRAPHY IS BASED ON USC & GS MEAN SEA LEVEL DATUM 1929.
2. PUBLIC WATER AND SEWER FACILITIES ARE TO BE PROVIDED.
3. COMMUNITY OWNED PARCELS WHICH INCLUDE PARKING SPACES AND SIDEWALKS SHALL BE OWNED AND MAINTAINED BY A HOME OWNERS ASSOCIATION.
4. THE DWELLINGS SHOWN HEREON ARE 2 NAD 3 STORY GROUP DWELLINGS WITH FULL BASEMENT AND SINGLE FAMILY ATTACHED UNIT.
5. THE MINIMUM SETBACK FROM ALL PUBLIC STREETS SHALL BE 30' UNLESS OTHERWISE APPROVED BY THE HOWARD COUNTY PLANNING BOARD.
6. ALL FILL OPERATIONS ARE TO BE DONE IN ACCORDANCE WITH H.U.D. DATA SHEET 79G, CONTROLLED FILL UNDER SUPERVISION OF A REGISTERED SOILS ENGINEER.
7. CONTRACTOR TO NOTIFY THE FOLLOWING UTILITIES AT LEAST THREE (3) DAYS BEFORE STARTING WORK SHOWN ON THIS/THESE DRAWINGS:

C & P TELEPHONE COMPANY	725-9976
HOWARD COUNTY BUREAU OF UTILITIES	992-2366
AT&T CABLE LOCATION DIVISION	393-3553
BALTIMORE GAS AND ELECTRIC COMPANY	685-0123
HOWARD COUNTY CONSTRUCTION/INSPECTION SURVEY DIVISION (TO BE NOTIFIED 24 HOURS IN ADVANCE OF COMMENCEMENT OF WORK)	992-2417/ 2418

8. TOPO TAKEN FROM FIELD RUN SURVEY DATED JUNE, 1980 BY: CLARK, FINEFROCK AND SACKETT.

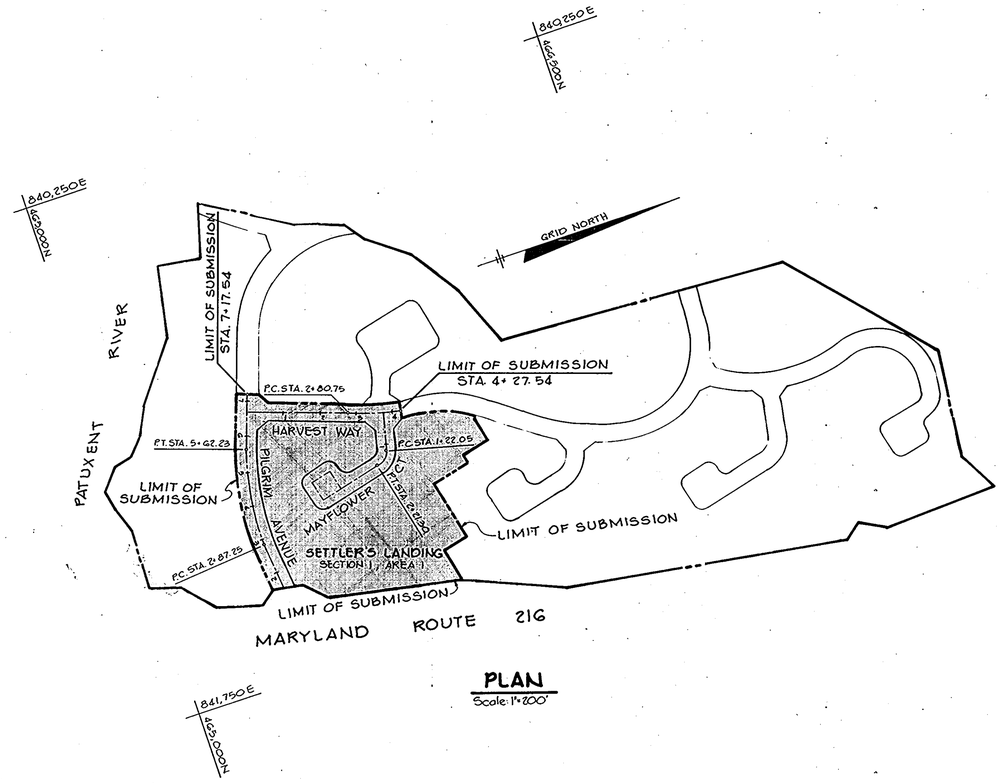
SITE TABULATION

EXISTING ZONING: R-SA
LAND USE TABULATION:

	AREA	DWELLING UNITS PERMITTED	DWELLING UNITS PROPOSED	PARKING REQUIRED	PARKING PROVIDED
Settler's Landing	42.676 Acres	341	-	682	-
Section I	7.076 Acres	56	48	96	97

AREA OF RESIDENTIAL LOTS: 1.966 Acres
AREA OF COMMUNITY OWNED LOTS: 3.196 Acres
AREA OF RIGHT-OF-WAY FOR ROADWAYS: 1.914 Acres
TOTAL AREA: 7.076 Acres

TOTAL RESIDENTIAL LOTS: 48
TOTAL COMMUNITY OWNED LOTS: 2
TOTAL LOTS (INCLUDING COMMUNITY OWNED PARCELS) 50



PLAN
Scale: 1" = 200'

APPROVED
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 1-16-81

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.

PLANNING DIRECTOR — DATE 5-4-81

CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION — DATE 5-4-81

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.

COUNTY HEALTH OFFICER — DATE 4-25-81

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

DIRECTOR — DATE 4/29/81

CHIEF, BUREAU OF ENGINEERING — DATE 4/29/81

DATE	NO.	REVISION
4-15-81	1	REVISED AS PER H.C. COMMENTS DATED 1-16-81

OWNER: EASTON ASSOCIATES
12400 CLARKSVILLE PIKE
CLARKSVILLE, MARYLAND 21029

DEVELOPER: EASTON ASSOCIATES
12400 CLARKSVILLE PIKE
CLARKSVILLE, MARYLAND 21029

PROJECT: SETTLER'S LANDING
SECTION I, AREA I LOTS 1 THRU 48

AREA RECORD PLAT RECORDING REFERENCE Nº 4846
ELECTION DISTRICT Nº6 HOWARD COUNTY, MARYLAND
TAX MAP Nº50 PARCEL 346

TITLE: TITLE SHEET

Riemer · Tracy & Associates, Inc.
8659 Baltimore National Pike
Ellicott City, Maryland 21043
(301) 461-2690
Land Planning, Design & Civil Engineering

8-29-80 — DATE

STATE OF MARYLAND — JAMES KENNETH TRACY — NO. 9566 — REGISTERED PROFESSIONAL ENGINEER

PROFESSIONAL ENGR. NO. 9566

FORMERLY	EASTON (P-80-20)
DESIGNED BY:	L.J.D.
DRAWN BY:	T.E.S.
PROJECT NO:	1880
DATE:	8-29-80
SCALE:	AS SHOWN
DRAWING NO.	1 OF 6

APRIL 15, 1981

SDP-81-40

NOTE: WATER AND SEWER SERVICE TO THESE LOTS WILL BE GRANTED UNDER THE PROVISIONS OF SECTION 18.122.B OF THE HOWARD COUNTY CODE.

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.

PLANNING DIRECTOR — DATE 5-4-81

CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION — DATE 5-4-81

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.

COUNTY HEALTH OFFICER — DATE 5-1-81

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

DIRECTOR — DATE 4/29/81

CHIEF, BUREAU OF ENGINEERING — DATE 4/30/81

DATE	NO.	REVISION
4-15-81	1	REVISED PER H.C. COMMENTS DATED 1-19-81

OWNER
EASTON ASSOCIATES
12400 CLARKSVILLE PIKE
CLARKSVILLE, MARYLAND 21029

DEVELOPER:
EASTON ASSOCIATES
12400 CLARKSVILLE PIKE
CLARKSVILLE, MARYLAND 21029

PROJECT:
SETTLER'S LANDING
SECTION 1, AREA 1 LOTS 1 THRU 49

AREA: RECORD PLAT RECORDING REFERENCE No 4846
ELECTION DISTRICT No 6 HOWARD COUNTY, MARYLAND
TAX MAP No 30 PARCEL 346

TITLE:
SITE DEVELOPMENT PLAN

Riemer · Tracy & Associates, Inc.
8659 Baltimore National Pike
Ellicott City, Maryland 21043
(301) 461-2690
Land Planning, Design & Civil Engineering

8-29-80 DATE

FORMERLY EASTON (P-80-20)

DESIGNED BY: L.J.D.

DRAWN BY: T.E.S.

PROJECT NO: 1880

DATE: 8-29-80

SCALE: 1"=30'

DRAWING NO. 2 OF 6

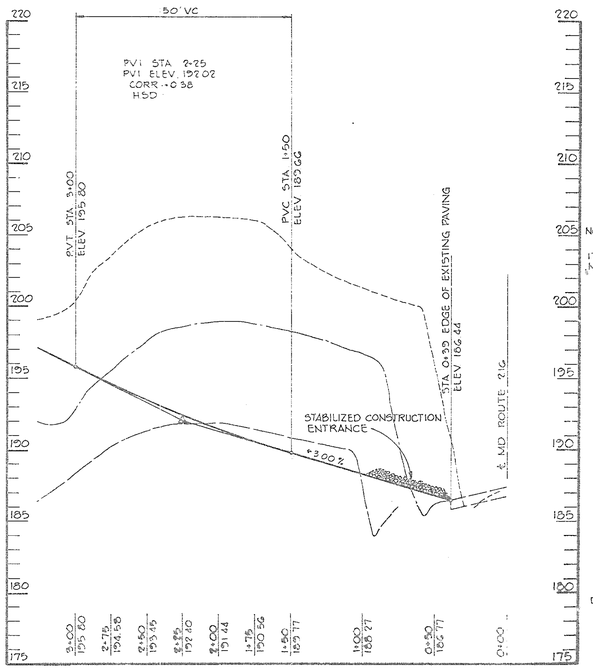
PROFESSIONAL ENGR. NO. 9566

1-16-81

SDP-81-40

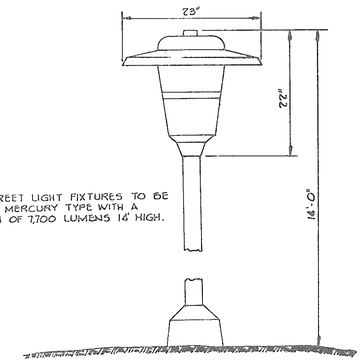
APRIL 15, 1981

MARYLAND BLUEPRINT CO., INC.



PROFILE - PILGRIM AVENUE ENTRANCE TO SITE

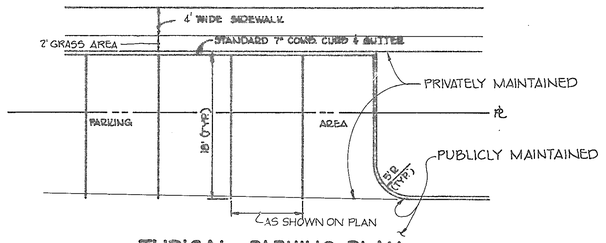
SCALE: H: 1"=50'
V: 1"= 5'



NOTE:
ALL STREET LIGHT FIXTURES TO BE 175 WATT MERCURY TYPE WITH A MINIMUM OF 7,700 LUMENS 14' HIGH.

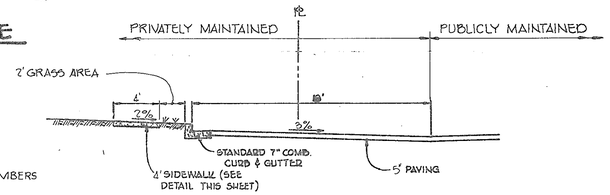
DETAIL - LIGHTING FIXTURE

NO SCALE



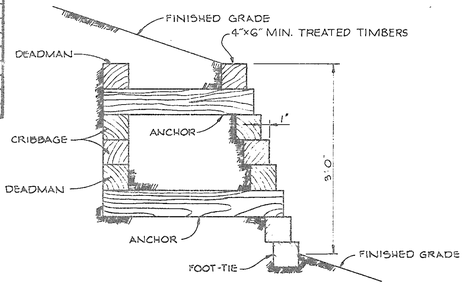
TYPICAL PARKING PLAN

NO SCALE



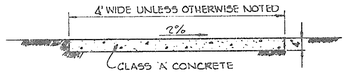
SECTION THROUGH PARKING

NO SCALE



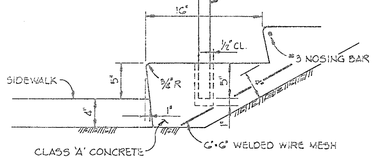
TIMBER RETAINING WALL

No Scale



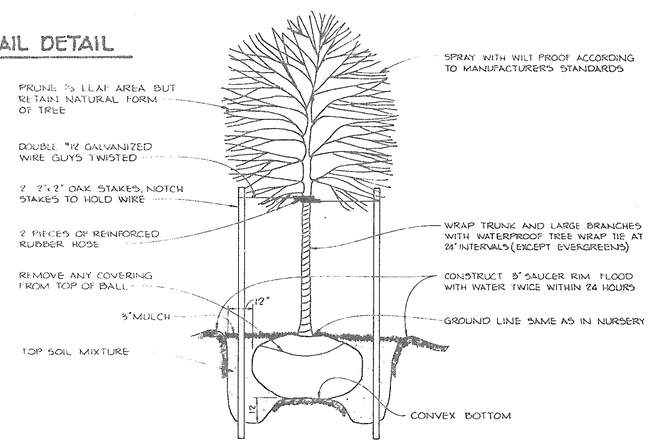
SIDEWALK DETAIL

No Scale



TYPICAL CONCRETE STEP W/RAIL DETAIL

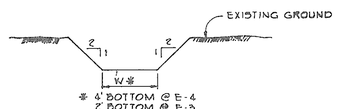
SCALE: 1"=10"



TREE PLANTING DETAIL

No Scale

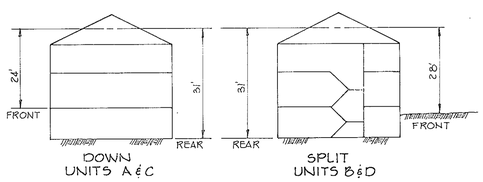
NOTE: SEED AND MULCH SWALE AFTER CONSTRUCTION



GRASSED CHANNEL

NO SCALE

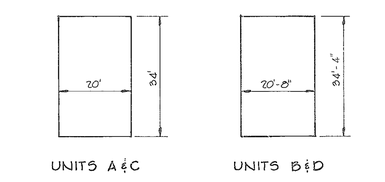
APPROVED
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 1-16-81



SINGLE FAMILY ATTACHED

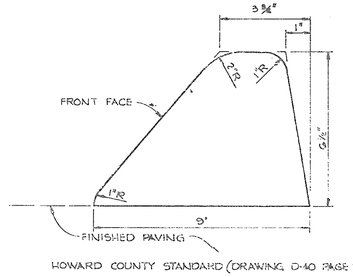
TYPICAL SCHEMATIC BLDG. SECTION

No Scale



TYPICAL SCHEMATIC BLDG. PLAN

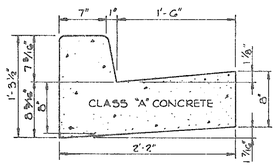
No Scale



HOWARD COUNTY STANDARD (DRAWING D-40 PAGE 5)

BITUMINOUS CURB

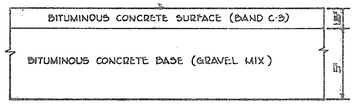
NO SCALE



HOWARD COUNTY STANDARD
(DRAWING D-40, PAGE 95)

STANDARD 7" COMBINATION CURB AND GUTTER

NO SCALE



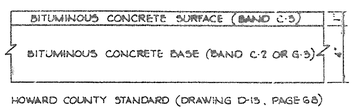
HOWARD COUNTY STANDARD (DRAWING D-15, PAGE 90)

CLEARING AND GRADING	ARTICLE C-1
SUBGRADE	ARTICLE C-2
BASE COURSE	ARTICLE C-51
SURFACE COURSE	ARTICLE C-51

6½" PAVEMENT

NOTES:
1. A TACK COAT IS REQUIRED IN ACCORDANCE WITH SECTION C-31-4 OF THE HOWARD COUNTY ROAD CONSTRUCTION CODE AND SPECIFICATIONS.
2. BASE WILL BE PRIMED IN ACCORDANCE WITH SECTION C-30-5 OF THE HOWARD COUNTY ROAD CONSTRUCTION CODE AND SPECIFICATIONS.
3. TO BE CONSTRUCTED IN ACCORDANCE WITH THE HOWARD COUNTY ROAD CONSTRUCTION CODE AND SPECIFICATIONS.

PUBLICLY MAINTAINED AREAS



HOWARD COUNTY STANDARD (DRAWING D-15, PAGE 98)

CLEARING AND GRADING	ARTICLE C-1
SUBGRADE	ARTICLE C-2
BASE COURSE	ARTICLE C-51 OR C-55
SURFACE COURSE	ARTICLE C-51

(5" PAVING)

NOTES:
1. A TACK COAT IS REQUIRED IN ACCORDANCE WITH SECTION C-31-4 OF THE HOWARD COUNTY ROAD CONSTRUCTION CODE AND SPECIFICATIONS.
2. BASE WILL BE PRIMED IN ACCORDANCE WITH SECTION C-30-5 OF THE HOWARD COUNTY ROAD CONSTRUCTION CODE AND SPECIFICATIONS.
3. TO BE CONSTRUCTED IN ACCORDANCE WITH THE HOWARD COUNTY ROAD CONSTRUCTION CODE AND SPECIFICATIONS

PRIVATELY MAINTAINED PARKING AREAS

TYPICAL PAVING SECTIONS

SCALE: 1"=5'

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.

Thomas H. Harris 5-4-81
PLANNING DIRECTOR — DATE

5-4-81
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION — DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.

5-1-81
COUNTY HEALTH OFFICER — DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

4/29/81
DIRECTOR — DATE

4/29/81
CHIEF, BUREAU OF ENGINEERING — DATE

DATE	NO.	REVISION
1-15-81	1	REVISED PER H.C. COMMENTS DATED 1-15-81

OWNER: EASTON ASSOCIATES
12400 CLARKSVILLE PIKE
CLARKSVILLE, MARYLAND 21029

DEVELOPER: EASTON ASSOCIATES
12400 CLARKSVILLE PIKE
CLARKSVILLE, MARYLAND 21029

PROJECT: **SETTLER'S LANDING**
SECTION 1, AREA 1 LOTS 1 THRU 49

AREA: RECORD PLAT RECORDING REFERENCE Nº 4846
ELECTION DISTRICT Nº 6 HOWARD COUNTY, MARYLAND
TAX MAP Nº 50 PARCEL 346

TITLE: DETAILS

Riemer-Tracy & Associates, Inc.
8659 Baltimore National Pike
Ellicott City, Maryland 21043
(301) 461-2690
Land Planning, Design & Civil Engineering

8-29-80
DATE

James K. Tracy
PROFESSIONAL ENGR. NO. 9566

FORMERLY EASTON (P-80-20)	
DESIGNED BY: R.J.W.	
DRAWN BY: T.E.S.	
PROJECT NO: 1880	
DATE: 8-29-80	
SCALE: AS SHOWN	
DRAWING NO. 5 OF 6	

SDP-81-40

APRIL 15, 1981

PLANT LIST			
SYMBOL	TYPE	SIZE	QUANTITY
⊙	ACER saccharum Sugar Maple	2-2½" Cal. B&B 12'-14' Hgt.	18
◎	QUERCUS palustris Pin Oak	2-2½" Cal. B&B 12'-14' Hgt.	24
⊙	PINUS nigra Austrian Pines	6'-7' B&B	58

* FOR TREE PLANTING DETAIL SEE DRAWING NO. 3

HARVEST WAY

LIMIT OF SUBMISSION

FUTURE HARVEST WAY EXTENSION

PILGRIM AVENUE

MAYFLOWER BUILDING

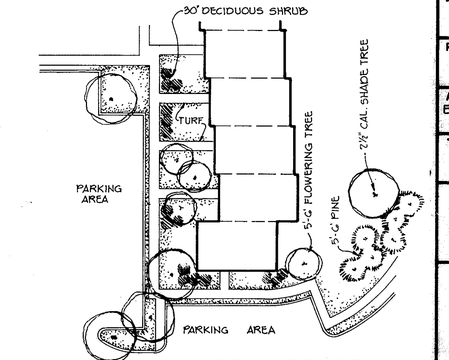
MARYLAND ROUTE 216

PROPERTY OF EASTON ASSOCIATES L. 983 F. 743

PROPERTY OF EASTON ASSOCIATES L. 983 F. 743

EXISTING WOODS TO REMAIN IN THIS AREA

APPROVED
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 1-16-81



TYPICAL LANDSCAPED AREA BETWEEN COMMON PARKING AREAS AND FRONT OR END OF A BUILDING

SCALE: 1"=30'

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.

PLANNING DIRECTOR — DATE 5-4-81

CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION — DATE 5-4-81

APPROVED: HOWARD COUNTY HEALTH DEPARTMENT. Public water & Public sewer

COUNTY HEALTH OFFICER — DATE 5-1-81

APPROVED:

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

DIRECTOR — DATE 4/29/81

CHIEF, BUREAU OF ENGINEERING — DATE 4/29/81

DATE	NO.	REVISION
4-15-81	1	REVISED PER H.C. COMMENTS DATED 4-13-81

OWNER: EASTON ASSOCIATES, 12400 CLARKSVILLE PIKE, CLARKSVILLE, MARYLAND 21029

DEVELOPER: EASTON ASSOCIATES, 12400 CLARKSVILLE PIKE, CLARKSVILLE, MARYLAND 21029

PROJECT: **SETTLER'S LANDING**
SECTION 1, AREA 1 LOTS 1 THRU 49

AREA: RECORD PLAT RECORDING REFERENCE Nº 4846
ELECTION DISTRICT 1ST & HOWARD COUNTY, MARYLAND
TAX MAP Nº50 — PARCEL 346

TITLE: PLANTING PLAN

Riemer · Tracy & Associates, Inc.
8659 Baltimore National Pike
Ellicott City, Maryland 21043
(301) 461-2690
Land Planning, Design & Civil Engineering

11-21-80 — DATE

STATE OF MARYLAND — MICHAEL G. RIEMER — REGISTERED LANDSCAPE ARCHITECT — NO. 201

FORMERLY EASTON (P-80-20)

DESIGNED BY: L.J.D.

DRAWN BY: T.E.S.

PROJECT NO: 1880

DATE: 9-29-80

SCALE: 1"=30'

DRAWING NO. 4 OF 6

SDP-81-40

APRIL 15, 1981

MARYLAND BLUEPRINT CO., INC.

LIMIT OF GRADING

841,000 E
465,250 N

SEDIMENT TRAP w/ SOS NO.2

SEDIMENT TRAP w/ SOS NO.1

SEDIMENT TRAP NO.3
0.34 Ac

841,500 E
465,250 N

841,500 E
465,300 N

LIMIT OF GRADING

LIMIT OF GRADING

NOTE: ALL DRAINAGE DIKES AND SWALES SHALL BE REPAIRED AT THE END OF EACH WORK DAY.

MD. STATE ROUTE #216

INV. 184.50

INV. 184.80

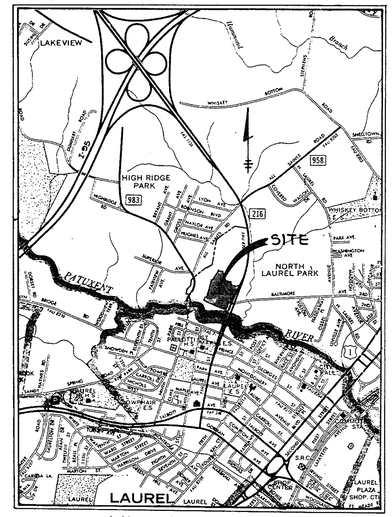
45 L.F. TEMPORARY 18" C.M.P. 14 Ga. @ 0.52%

PUMP OUT WATER @ ELEV. 183.5

APPROVED
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 1-16-81

SEDIMENT TRAP DATA

	NO.1	NO.2	NO.3
DRAINAGE AREA	4.23 Ac	2.94 Ac	0.43 Ac
DISTURBED AREA	3.94 Ac	2.80 Ac	0.43 Ac
VOLUME:			
REQUIRED	7,614.00 C.F	5,292.00 C.F	288.0 C.F
AVAILABLE	7,700.00 C.F	7,020.00 C.F	624.00 C.F
CREST ELEVATION	187.00	177.00	184.50
BOTTOM ELEVATION	183.00	173.00	182.00
CLEAN OUT ELEVATION	185.00	175.00	183.20
BOTTOM DIMENSIONS	30'X50'	27'X46'	80'X100'



VICINITY MAP
Scale: 1"=2000'

BY THE DEVELOPER:

"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 ARE DEEMED NECESSARY."

DEVELOPER, MICHAEL D. GLICK — 9-18-80 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."

ENGINEER, JAMES K. TRACY — 9-18-80 DATE

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SOIL EROSION AND SEDIMENT CONTROL.

U.S. SOIL CONSERVATION SERVICE — 4-21-81 DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

DIRECTOR — 4/29/81 DATE

CHIEF, BUREAU OF ENGINEERING — 4/29/81 DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.

PLANNING DIRECTOR — 5-4-81 DATE

CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION — 5-4-81 DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.

COUNTY HEALTH OFFICER — 5-1-81 DATE

THESE PLANS FOR SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

APPROVED — HOWARD S.C.D. — 4-21-81 DATE

PLAN NUMBER

DATE	NO.	REVISION
4-15-81	1	REVISED PER H.C. COMMENTS DATED 1-19-81

OWNER: EASTON ASSOCIATES
12400 CLARKSVILLE PIKE
CLARKSVILLE, MARYLAND 21029

DEVELOPER: EASTON ASSOCIATES
12400 CLARKSVILLE PIKE
CLARKSVILLE, MARYLAND 21029

PROJECT: **SETTLER'S LANDING**
SECTION 1, AREA 1 LOTS 1 THRU 49

AREA: RECORD PLAT RECORDING REFERENCE No 4846
ELECTION DISTRICT No 6 HOWARD COUNTY, MARYLAND
TAX MAP No 50 PARCEL 346

TITLE: SEDIMENT CONTROL PLAN

Riemer · Tracy & Associates, Inc.
8659 Baltimore National Pike
Ellicott City, Maryland 21043
(301) 461-2690
Land Planning, Design & Civil Engineering

9-19-80 DATE

STATE OF MARYLAND — JAMES KENNETH TRACY — No. 9566 — REGISTERED PROFESSIONAL ENGINEER

PROFESSIONAL ENGR. NO. 9566

DESIGNED BY:	J.K.T.
DRAWN BY:	D.A.M., L.S.T.
PROJECT NO:	1880
DATE:	8-8-80
SCALE:	1"=30'
DRAWING NO.	5 OF 6

SDP-81-40

APRIL 15, 1981

SEDIMENT CONTROL CONSTRUCTION NOTES
GENERAL NOTES

1. A MINIMUM OF 24 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY OFFICE OF INSPECTION AND PERMITS PRIOR TO THE START OF ANY CONSTRUCTION (922-2070).
2. ALL SEDIMENT CONTROL STRUCTURES WILL BE INSTALLED IN ACCORDANCE WITH "THE STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL IN DEVELOPING AREAS" AS PREPARED BY THE U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE.
3. SITE GRADING WILL BEGIN ONLY AFTER ALL PERIMETER SEDIMENT CONTROL MEASURES HAVE BEEN INSTALLED AND ARE IN A FUNCTIONING CONDITION.
4. ALL DISTURBED AREAS ARE TO BE DRESSED AND STABILIZED ACCORDING TO THE TEMPORARY OR PERMANENT SEEDING SCHEDULES AS SOON AS PROPER WEATHER CONDITIONS EXIST FOR THE ESTABLISHMENT OF A PERMANENT VEGETATIVE COVER.
5. SEDIMENT WILL BE REMOVED FROM TRAPS WHEN THE DEPTH REACHES THE CLEAN OUT ELEVATION SHOWN ON THE PLANS.
6. FERTILIZER AND LIME RATES MAY BE CHANGED THROUGH AUTHORIZATION BY THE HOWARD SOIL CONSERVATION DISTRICT IF SOIL TESTS DETERMINE A REDUCTION IN THE SPECIFIED RATES IS JUSTIFIED.
7. 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.
8. REFERENCES CALLED FOR ON THE SEDIMENT CONTROL CONSTRUCTION PLAN AND DETAILS ARE MADE TO "THE STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL IN DEVELOPING AREAS".
9. SEDIMENT CONTROL WILL BE INSTALLED BEFORE CLEARING AND GRUBBING REMAINDER OF SITE.

TEMPORARY SEEDING

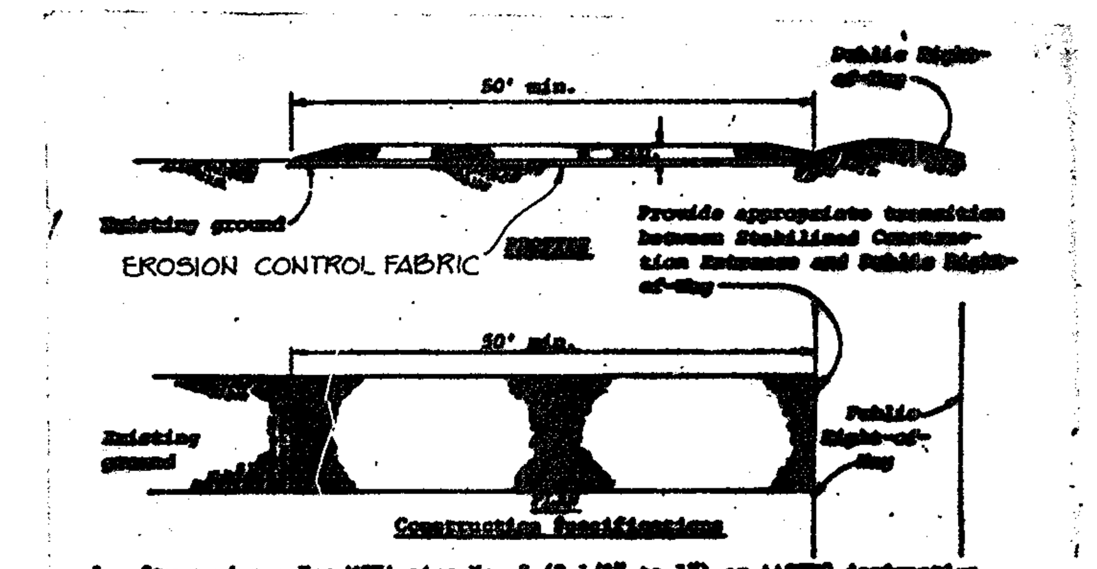
AREA TO BE SEEDED SHALL BE RECENTLY LOOSENED. IF THE GROUND IS PACKED, CRUSTED OR HARD, THE TOP LAYER OF SOIL SHALL BE LOOSENED BY DISCING, RACKING OR OTHER ACCEPTABLE MEANS.

A. APPLY 10-20-10 FERTILIZER (OR EQUIVALENT) AT THE RATE OF 600 LBS. PER ACRE OR 15 LBS. PER 1000 SQ. FT.
B. WHERE SOIL IS KNOWN TO BE HIGHLY ACID, APPLY DOLOMITIC LIMESTONE AT THE RATE OF 1 TON PER ACRE.
C. WORK BOTH INTO SOIL AND SEED WITH CYCLONE SEEDER, DRILL, CULTIPAKER SEEDER OR HYDROSEEDER (SLURRY WILL INCLUDE SEED AND FERTILIZER) AT THE RATE OF 40 LBS. PER ACRE OF ITALIAN OR PERENNIAL RYEGRASS.
D. MULCH WITH UNWEATHERED SMALL GRAIN STRAW AT THE RATE OF 1 1/2 TO 2 TONS. PER ACRE AND ANCHOR WITH A CUTBACK ASPHALT OR EMULSIFIED ASPHALT AT THE RATE OF 5 GAL. PER 1000 SQ. FT.

PERMANENT SEEDING

FINAL STABILIZATION WILL TAKE PLACE AS SOON AS POSSIBLE AS WEATHER CONDITIONS PERMIT, AS FOLLOWS:

A. APPLY DOLOMITIC LIMESTONE AT THE RATE OF 2 TONS PER ACRE (ONE TONE PER ACRE IF APPLICATION OF TON PER ACRE WAS MADE FOR TEMPORARY SEEDING).
B. APPLY 0-20-20 FERTILIZER AT THE RATE OF 600 LBS. PER ACRE HARROW OR DISC LIME AND 0-20-20 FERTILIZER INTO THE SOIL TO A MINIMUM DEPTH OF 3" LAWNS OR HIGH MAINTENANCE AREAS WILL BE DRAGGED AND LEVELED WITH A YORK RAKE. AT THE TIME OF SEEDING APPLY 400 POUNDS OF 38-0-0 UREAFORM FERTILIZER AND 500 LBS. OF 10-20-20 OR EQUIVALENT FERTILIZER PER ACRE.
C. SEED WITH A MIXTURE OF CERTIFIED "MERION" KENTUCKY BLUEGRASS - 40 LBS. PER ACRE; COMMON KENTUCKY BLUEGRASS @ 40 LBS. PER ACRE; RED FESCUE, PENNLAWN OR JAMESTOWN @ 20 LBS. PER ACRE.
D. MULCH WITH UNWEATHERED SMALL GRAIN STRAW AT THE RATE OF 1 1/2 TO 2 TONS PER ACRE AND ANCHOR WITH A CUTBACK ASPHALT OR EMULSIFIED ASPHALT AT THE RATE OF 5 GAL. PER 1000 SQ. FT.
E. SEED ALL SLOPES WITH A MIXTURE OF CERTIFIED KENTUCKY 31 TALL FESCUE @ 50 LBS. PER ACRE AND INOCULATED KOREAN LESPEDEZA @ 15 LBS. PER ACRE.

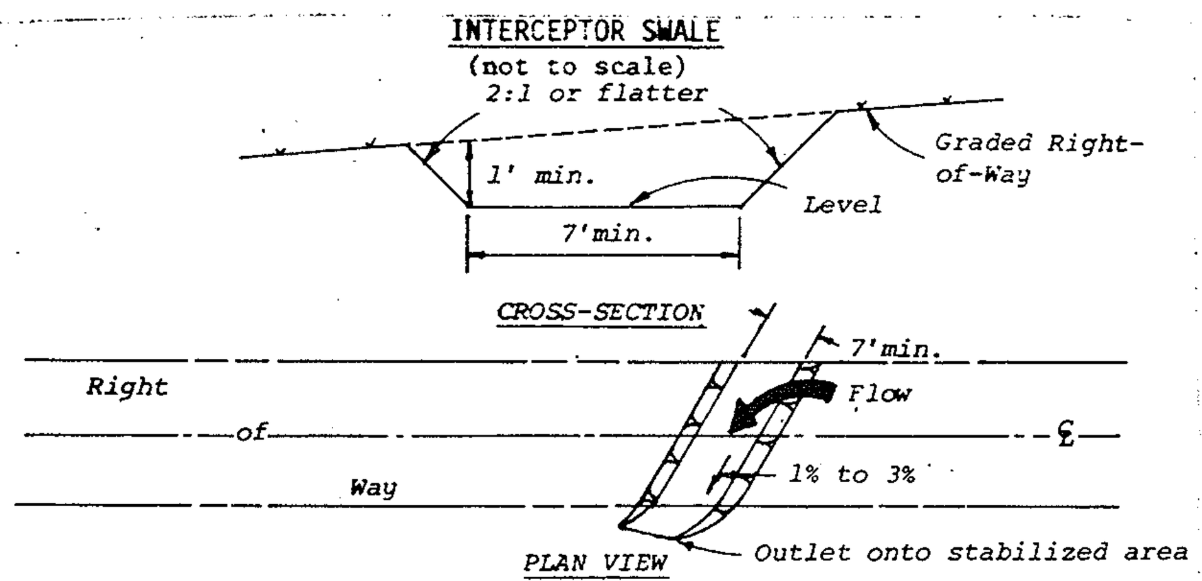


Construction Specifications

1. Stone size - Use MSHA size No. 2 (2-1/2" to 1") or AASHTO designation M43, size No. 2 (2-1/2" to 1-1/2"). Use crushed stone.
2. Length - As effective, but not less than 50 feet.
3. Thickness - Not less than eight (8) inches.
4. Width - Not less than full width of all points of ingress or egress.
5. Washing - When necessary, wheels shall be cleaned to remove sediment prior to entrance onto public right-of-way. When washing is required, it shall be done on an area stabilized with crushed stone which drains into an approved sediment trap or sediment basin. All sediment shall be prevented from entering any storm drain, ditch, or watercourse through use of sand bags, gravel, boards or other approved methods.
6. Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public rights-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleanout of any measures used to trap sediment. All sediment spilled, dropped, washed or tracked onto public rights-of-way must be removed immediately.

Standard Symbol SCE

STABILIZED CONSTRUCTION ENTRANCE
NO SCALE

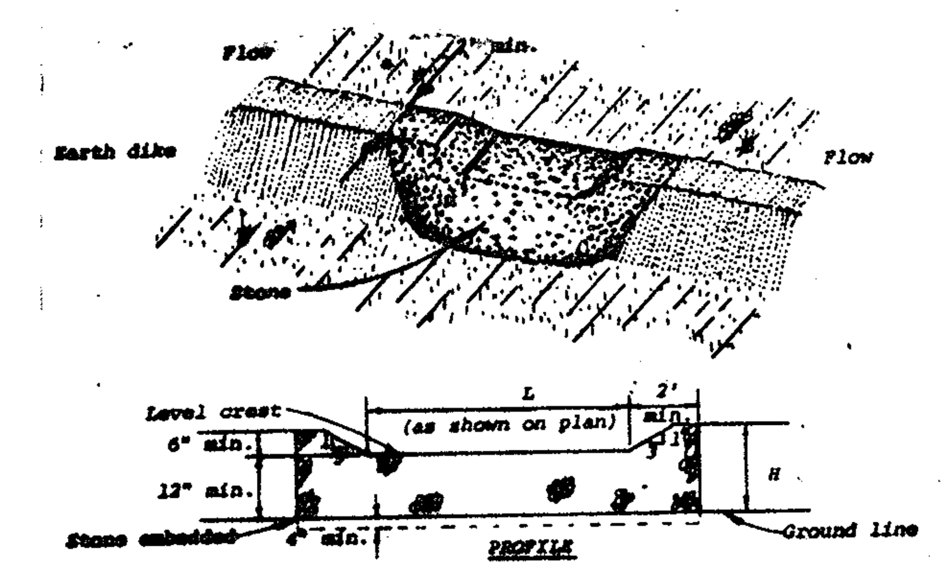


Construction Specifications

1. All trees, brush, stumps, obstructions, and other objectionable material shall be removed and disposed of so as not to interfere with the proper functioning of the swale.
2. The swale shall be excavated or shaped to line, grade, and cross section as required to meet the criteria specified herein and be free of bank projections or other irregularities which will impede normal flow.
3. Fills shall be compacted as needed to prevent unequal settlement that would cause damage in the complete swale.
4. All earth removed and not needed in construction shall be spread or disposed of so that it will not interfere with the functioning of the swale.
5. Interceptor swales shall have a minimum grade of one percent and the bottom shall be level.
6. An interceptor swale shall have an outlet that functions with a minimum of erosion.
7. Runoff shall be conveyed to a sediment trapping device such as a sediment trap or sediment basin.
8. The on-site location may need to be adjusted to meet field conditions in order to utilize the most suitable outlet.
9. Stabilization shall be: (1) in accordance with the Standard and Specifications for Grassed Waterway; or (2) by lining the flow area with stone that meets MSHA size No. 2 or AASHTO M43 size No. 2 or 24 in a layer at least 3 inches in thickness and pressed into the soil. The lining shall extend across the bottom and up both sides of the channel a height of at least 8 inches vertically above the bottom.
10. Periodic inspection and required maintenance shall be provided.

Standard Symbol IS

INTERCEPTOR SWALE
NO SCALE



Construction Specifications

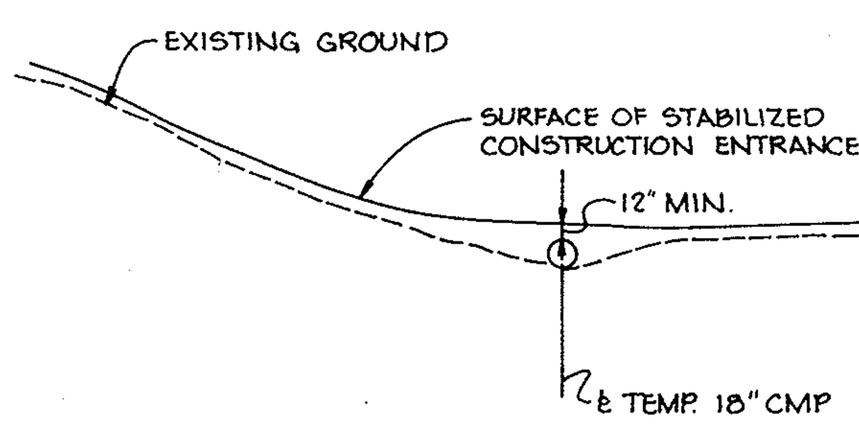
1. The stone shall be crushed stone. Gravel may be used if crushed stone is not available. The stone shall meet MSHA Size No. 2 or AASHTO designation M43 Size No. 2 or 24.
2. The crest of the stone dike shall be at least six inches lower than the lowest elevation of the top of the earth dike and shall be level.
3. The stone outlet structure shall be embedded into the soil a minimum of four inches.
4. The minimum length, in feet, of the crest of the stone outlet structure shall be equal to six times the number of acres of contributing drainage area.
5. The stone outlet structure shall be inspected after each rain, and the stone shall be replaced when the structure ceases to function as intended due to silt accumulation among the stone, washout, construction traffic damage, etc.

STONE OUTLET STRUCTURE
NO SCALE

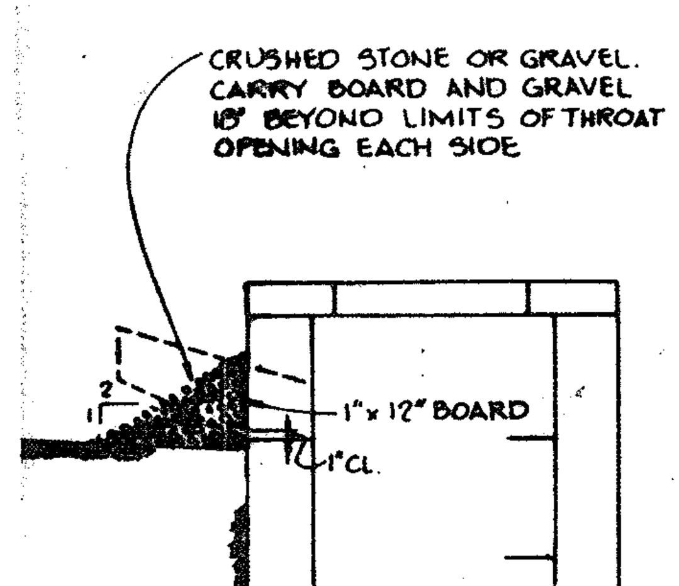
SEDIMENT CONTROL
SEQUENCE OF CONSTRUCTION

1. OBTAIN GRADING PERMIT.*
2. INSTALL STABILIZED CONSTRUCTION ENTRANCE.*
3. INSTALL PERIMETER DIKES AND SEED PER TEMPORARY SEEDING NOTES.*
4. INSTALL SILT FENCES.*
5. INSTALL SEDIMENT TRAPS WITH STONE OUTLET STRUCTURES AND SEED PER TEMPORARY SEEDING NOTES.*
6. GRADE SITE WITHIN LIMIT OF GRADING AND SEED PER PERMANENT SEEDING NOTES.*
7. CONSTRUCT WATER MAIN, SEWER, AND STROM DRAIN. ANY DAMAGE TO SEDIMENT CONTROL SERVICES SHALL BE REPAIRED AT THE END OF EACH WORK DAY.
8. INSTALL INLET PROTECTION (BOARD AND SANDBAGS AT INLET THROAT).
9. INSTALL CURB AND GUTTER AND PAVING.
10. CONSTRUCT BUILDINGS.
11. RESTABILIZE DISTURBED AREAS AS REQUIRED IN ACCORDANCE WITH PERMANENT SEEDING NOTES.
12. UPON APPROVAL BY THE SOIL CONSERVATION DISTRICT ALL SEDIMENT CONTROL FACILITIES MAY BE REMOVED.

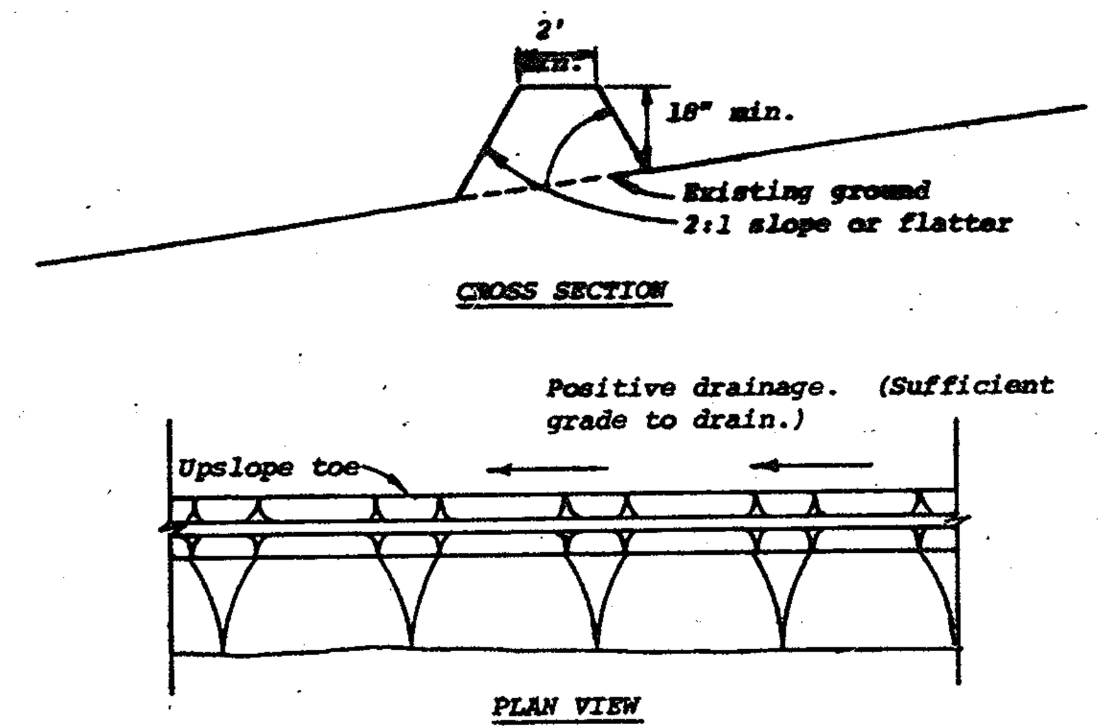
*SEE F-81-18; 12/5/80



TEMP. 18"D AT STABILIZED CONSTRUCTION ENTRANCE
No Scale



TYPICAL INLET BLOCKING DETAIL
No Scale



Construction Specifications

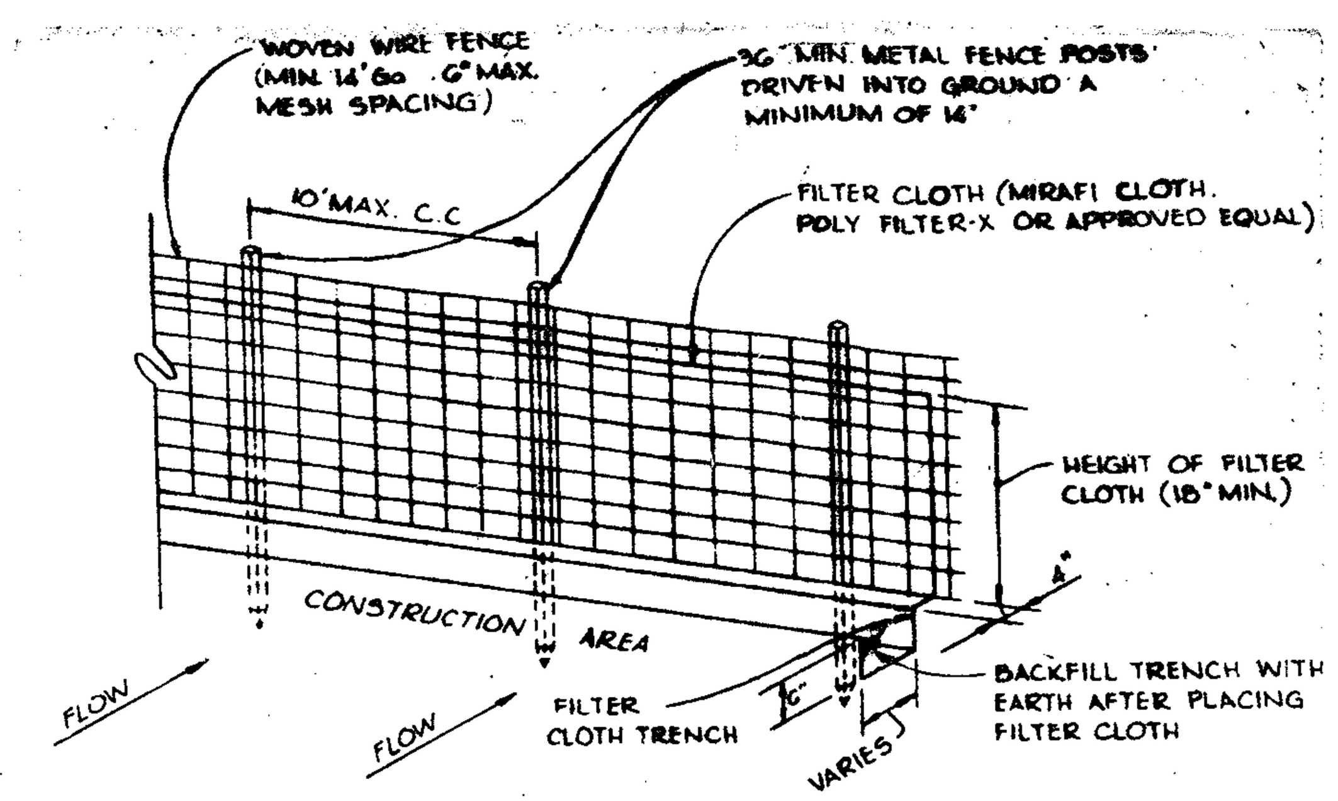
1. All dikes shall be machine compacted.
2. All perimeter dikes shall have positive drainage to an outlet.
3. A. Diverted runoff from a protected or stabilized upland area shall outlet directly onto an undisturbed stabilized area or into a level spreader or grade stabilization structure.
   B. Diverted runoff from a disturbed or exposed upland area shall be conveyed to a sediment trapping device such as sediment trap or a sediment basin or to an area protected by any of these practices.
4. Stabilization, when required, shall be done in accordance with Standard and Specifications for Grassed Waterway. The minimum area to be stabilized shall be the channel flow area.
5. Periodic inspection and required maintenance shall be provided.

Standard Symbol PD

* Drainage area less than 5 acres

PERIMETER DIKE
NO SCALE

APPROVED
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 1-16-81



NOTES:
1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS BY USE OF WIRE TIES.
2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE BY USE OF WIRE TIES SPACED EVERY 24"± 24".
3. SILT FENCE TO BE PLACED IN LIEU OF STRAW BALES AND/OR DIVERSION DIKES AT THE OPTION OF THE DEVELOPER.

SILT FENCE DETAIL
No Scale

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

James M. Irvin — DIRECTOR — DATE 4/29/81

CHIEF, BUREAU OF ENGINEERING — DATE 4/29/81

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.

PLANNING DIRECTOR — DATE 5-4-81

CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION — DATE 5-4-81

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.

COUNTY HEALTH OFFICER — DATE 5-1-81

THESE PLANS FOR SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.
APPROVED — HOWARD S.C.D. — DATE 4-21-81

PLAN NUMBER

BY THE DEVELOPER:
"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 ARE DEEMED NECESSARY."

DEVELOPER, MICHAEL B. GLICK — DATE 9.18.80

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."

ENGINEER, JAMES K. TRACY — DATE 9.18.80

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SOIL EROSION AND SEDIMENT CONTROL.

U.S. SOIL CONSERVATION SERVICE — DATE 4-21-81

DATE	NO.	REVISION
4-15-81	△	REVISED PER H.C. COMMENTS DATED 1-19-81

OWNER: EASTON ASSOCIATES, 12400 CLARKSVILLE PIKE, CLARKSVILLE, MARYLAND 21029

DEVELOPER: EASTON ASSOCIATES, 12400 CLARKSVILLE PIKE, CLARKSVILLE, MARYLAND 21029

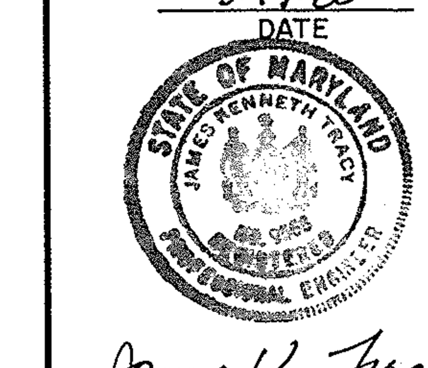
PROJECT: SETTLER'S LANDING
SECTION 1, AREA 1, LOTS 1-49

AREA: RECORD PLAT RECORDING REFERENCE Nº 4846
ELECTION DISTRICT Nº 6 HOWARD COUNTY, MARYLAND
TAX MAP Nº 50 PARCEL 346

TITLE: SEDIMENT CONTROL DETAILS

Riemer · Tracy & Associates, Inc.
8659 Baltimore National Pike
Ellicott City, Maryland 21043
(301) 461-2690
Land Planning, Design & Civil Engineering

9.19.80
DATE



PROFESSIONAL ENGR. NO. 9566

DESIGNED BY: J.K.T.
DRAWN BY: D.A.M.
PROJECT NO: 1880
DATE: SEPT. 18, 1980
SCALE: NONE
DRAWING NO. 6 OF 6

SDP-81-40

APRIL 15, 1981