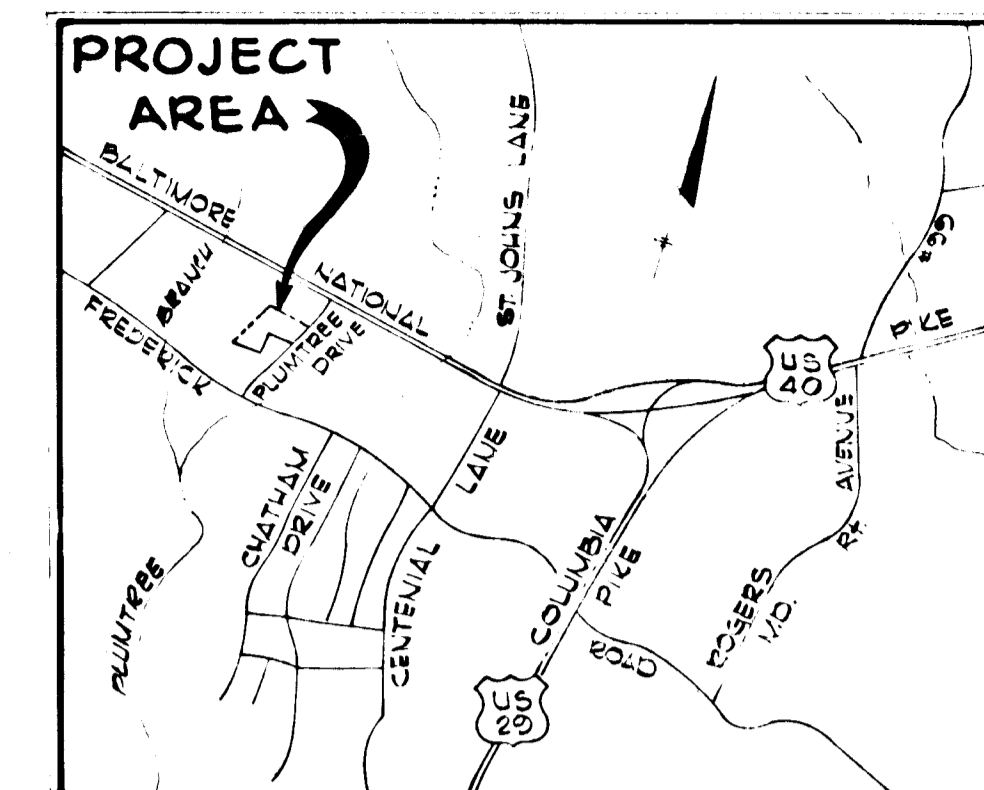


SHEET INDEX	
NO.	DESCRIPTION
1	TITLE SHEET
2	DETAIL SHEET
3	PLAN AND PROFILE - ROAD 'A' STA. 0+00 TO STA. 7+50.58
4	PLAN AND PROFILE - ROAD 'B' STA. 0+00 TO STA. 5+03.89
5	GRADING PLAN AND DRAINAGE AREA MAP
6	S.W.M. AND SEDIMENT CONTROL PLAN
7	S.W.M. AND SEDIMENT CONTROL NOTES AND DETAILS

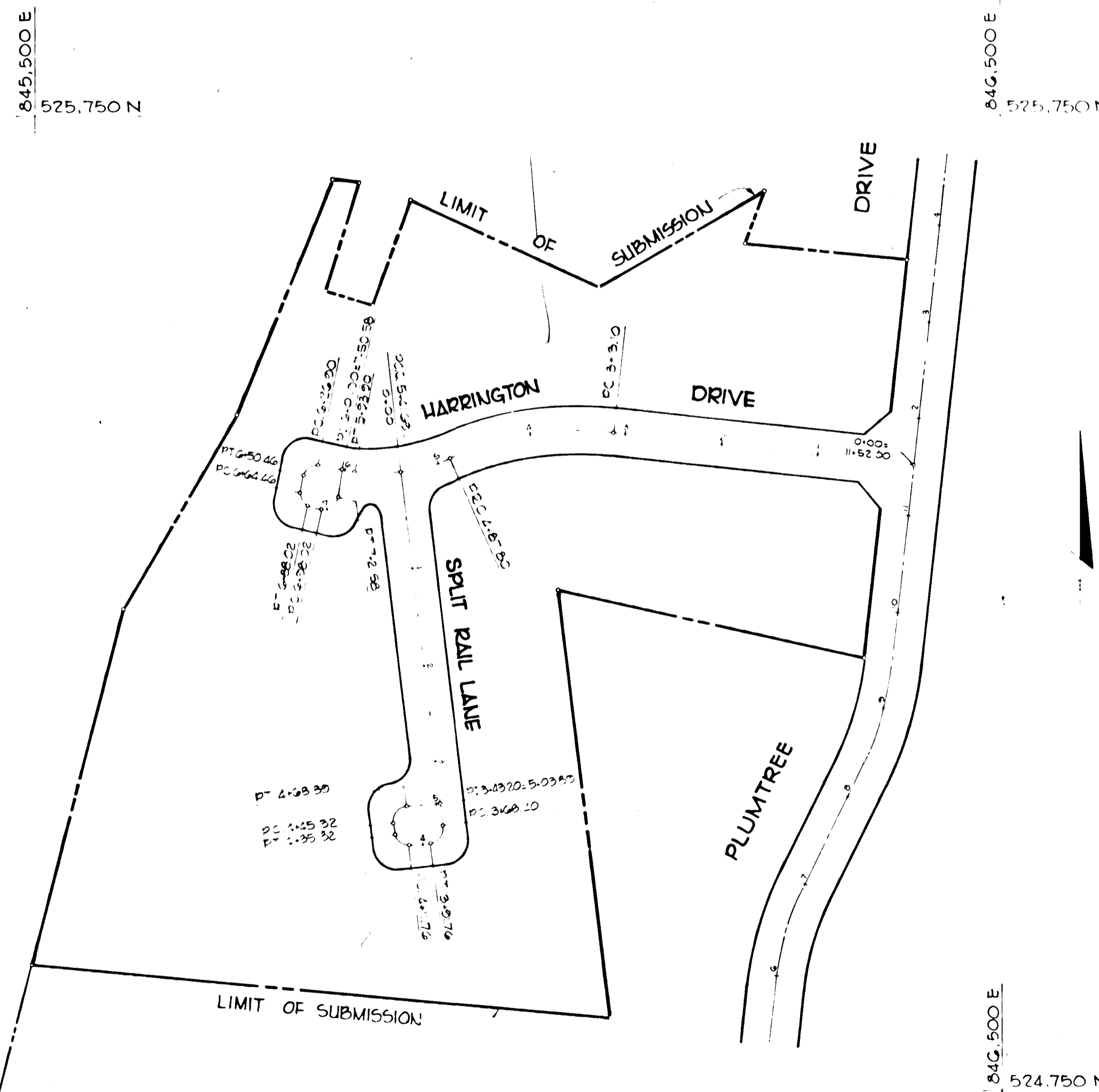
GOVERNOR'S LANDING

2ND ELECTION DISTRICT

HOWARD COUNTY, MARYLAND



VICINITY MAP
Scale: 1" = 2000'



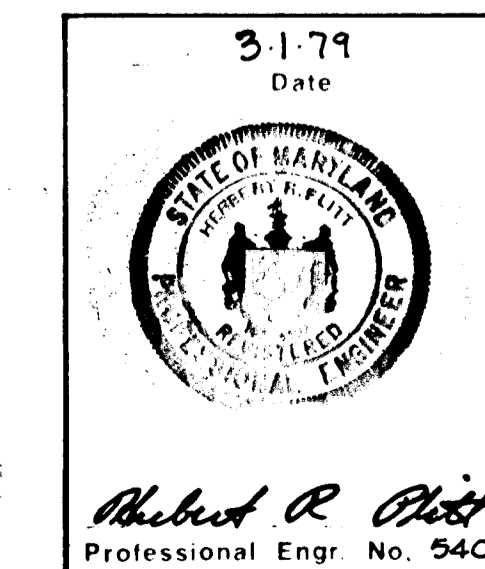
LOCATION MAP
Scale: 1" = 100'

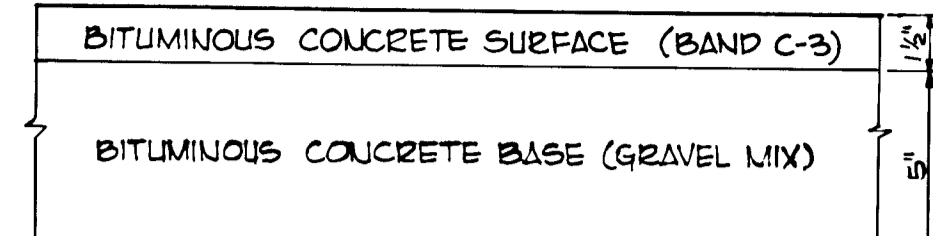
GENERAL NOTES

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE HOWARD COUNTY ROAD CONSTRUCTION CODE AND STANDARD SPECIFICATIONS.
- APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED DUE TO CONTRACTOR'S OPERATION SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL TEST PIT EXISTING UTILITIES, WHERE DIRECTED BY THE ENGINEER, A MINIMUM OF TWO WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS.
- CONTRACTOR TO NOTIFY THE FOLLOWING UTILITIES AT LEAST THREE DAYS BEFORE STARTING WORK SHOWN ON THIS THESE DRAWINGS:

BELL TELEPHONE SYSTEM	393 3649
LONG DISTANCE CABLE DIVISION	393 3553 - 3554
BALTO. GAS AND ELECTRIC COMPANY	539 8000 EXT. 691
- ALL INLETS SHALL BE CONSTRUCTED IN ACCORDANCE WITH HOWARD COUNTY STANDARDS.
- ALL STREET CURB RETURNS SHALL HAVE 35.0' RADII UNLESS OTHERWISE NOTED.
- STORM DRAIN TRENCHES WITHIN ROAD RIGHT OF WAY SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH HOWARD COUNTY ROAD CODE.
- INSTALLATION OF TRAFFIC CONTROL DEVICES, MARKING, AND SIGNING SHALL BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES 1971 EDITION.
- PIPE SHALL NOT BE INSTALLED BY THE CONTRACTOR UNTIL THE LENGTH CALLED FOR AT EACH STATION HAS BEEN APPROVED BY THE ENGINEER IN THE FIELD.
- DESIGNED TRAFFIC SPEED IN ACCORDANCE WITH THE AMERICAN ASSOC. OF STATE HIGHWAY OFFICIAL STANDARDS:
ALL 50' R.W.'S 25 M.P.H.
- ALL ELEVATIONS SHOWN ARE BASED ON U.S.C. AND G.S. MEAN SEA LEVEL DATUM 1929.
- ALL FILL AREAS TO BE COMPACTED TO A MINIMUM 95% COMPACTION.
- SITE HAS BEEN PREVIOUSLY APPROVED FOR GRADING BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT, OCTOBER 18, 1978. REF.: P 78 44

APPROVED:	
DEPARTMENT OF PUBLIC WORKS.	
<i>W. P. Pitt</i>	4-8-79
Planning Director	Date
APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING	
<i>John Messinger</i>	5-20-79
Planning Director	Date
Date	Revision Description
GOVERNOR'S LANDING	
OWNER AND DEVELOPER PLUMTREE ASSOCIATES c/o Jacyn Development Group 12400 Clarksville Pike CLARKSVILLE, MARYLAND 21029	
CENTURY ENGINEERING, INC. CONSULTING ENGINEERS - PLANNERS TOWSON, MARYLAND 21284	
AREA PARCEL 82, TAX MAP 24, LIBER 0900, FOLIO 367 2nd Election District - Howard County, Maryland	
TITLE SHEET	
Des By L.J.D.	Scale AS SHOWN
Drn By P.S.	Date 11/15/78
Proj No 6677	Drawing No
Chk By J.K.T.	Approved
	1 OF 1





HOWARD COUNTY STANDARD (DRAWING D-5, PAGE 60)

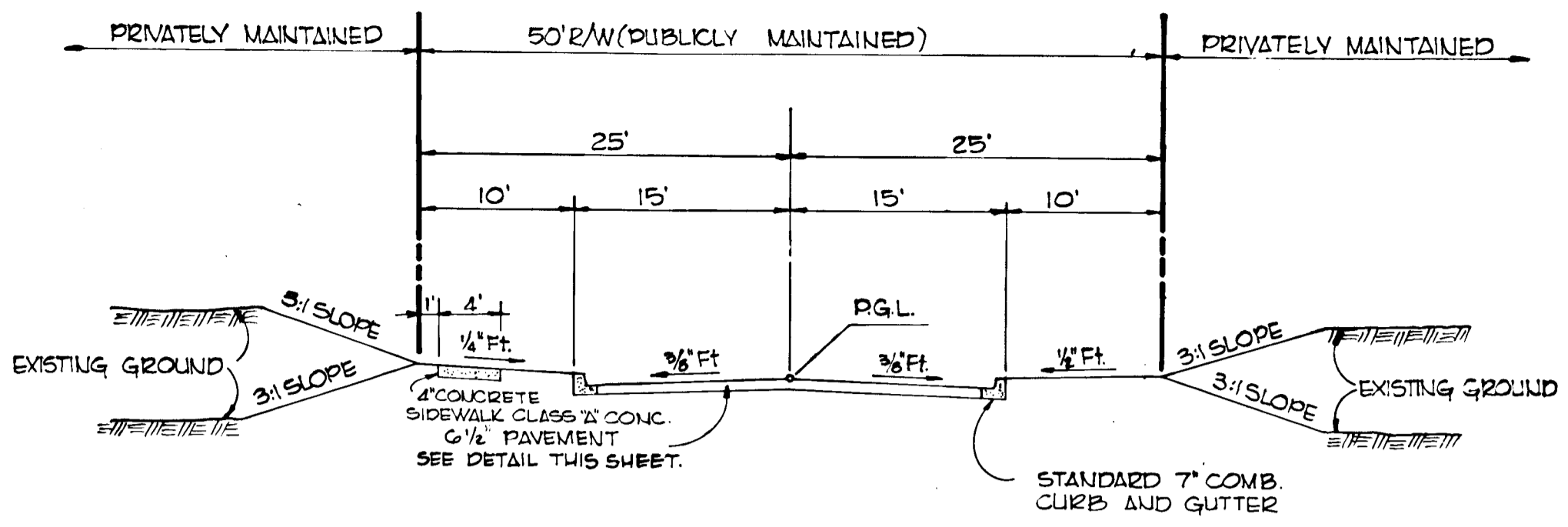
CLEARING AND GRADING SUBGRADE BASE COURSE SURFACE COURSE

6 1/2\"/>

- NOTES:
1. A TACK COAT IS REQUIRED IN ACCORDANCE WITH SECTION C-3-1.4 OF THE HOWARD COUNTY ROAD CONSTRUCTION CODE AND SPECIFICATIONS.
 2. BASE WILL BE PRIMED IN ACCORDANCE WITH SECTION C-3-0-3 OF THE HOWARD COUNTY ROAD CONSTRUCTION CODE AND SPECIFICATIONS.
 3. TO BE CONSTRUCTED IN ACCORDANCE WITH THE HOWARD COUNTY ROAD CONSTRUCTION CODE AND SPECIFICATIONS.

TYPICAL PAVING SECTION

NO SCALE

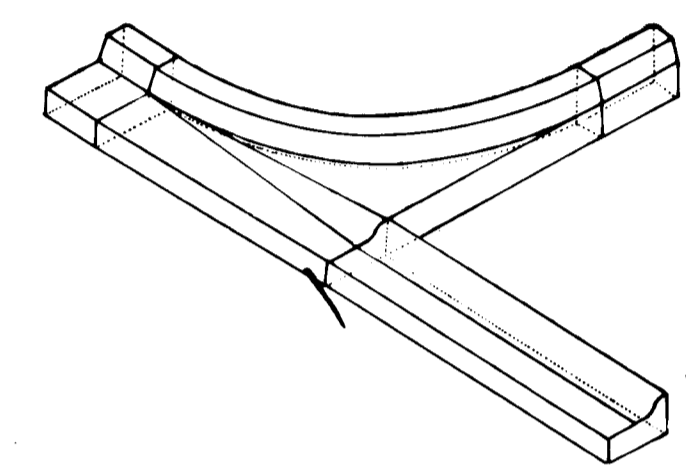


DESIGN SPEED 25 M.P.H.
LIMITS OF SIDEWALK STA. 0+25 TO STA. 2+15
HARRINGTON DR.: STA. 0+00 TO STA. 7+50.58
SPLIT RAIL LA.: STA. 0+00 TO STA. 5+03.89

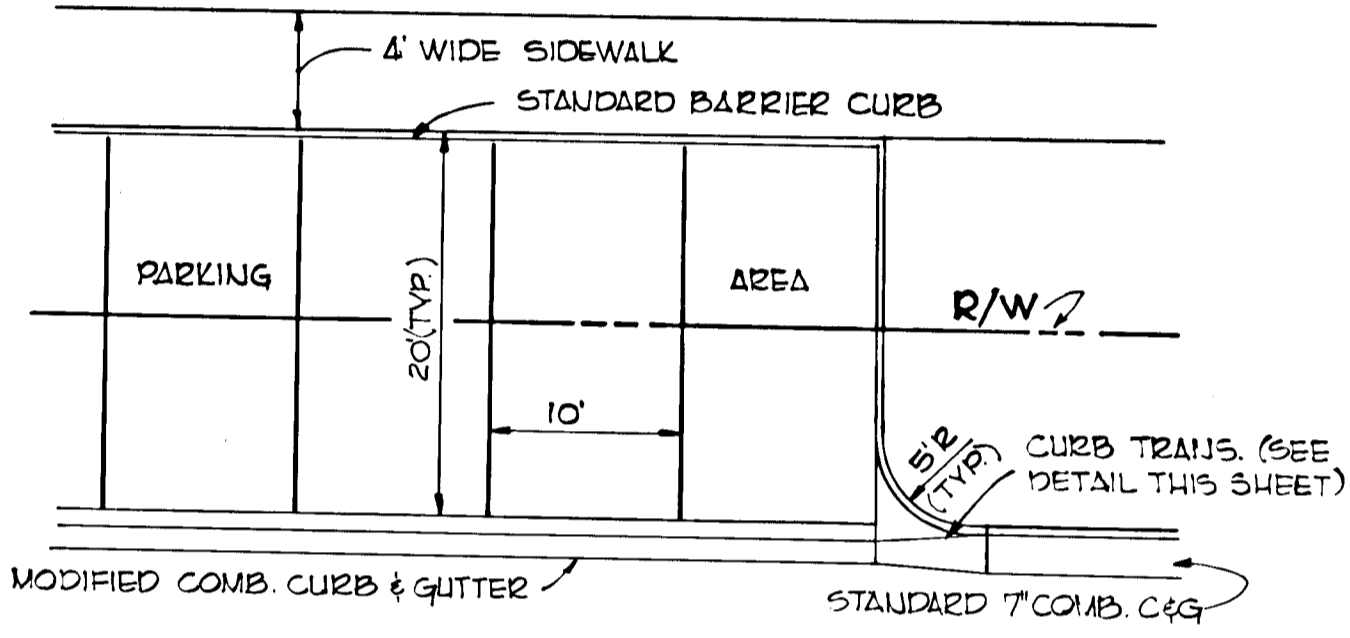
TYPICAL SECTION (50' R/W)

SCALE: 1"=10'

RESIDENTIAL - ZONED R-1, R5A # R5C

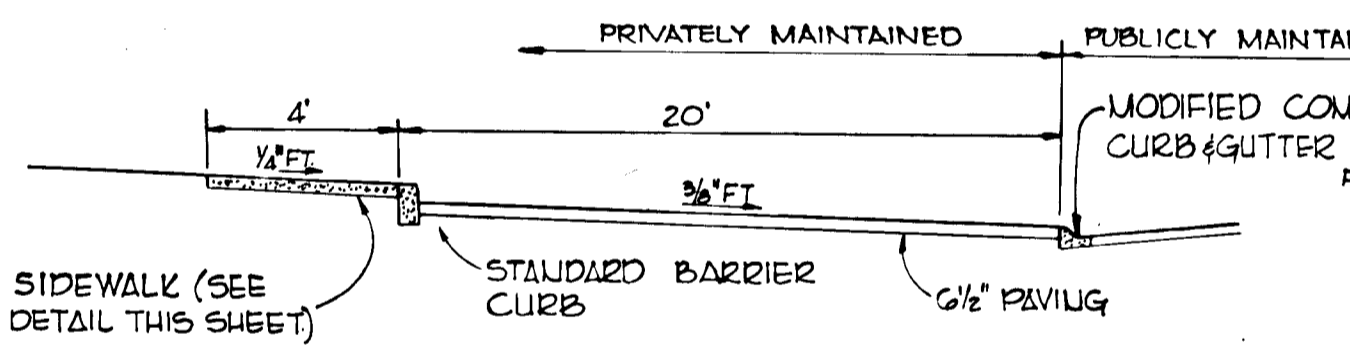


ISOMETRIC



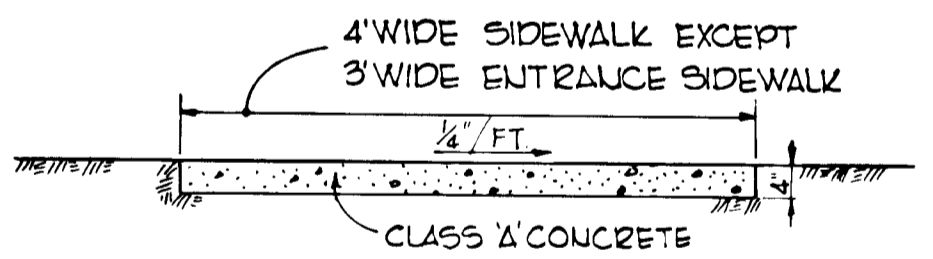
TYPICAL PARKING PLAN

NO SCALE



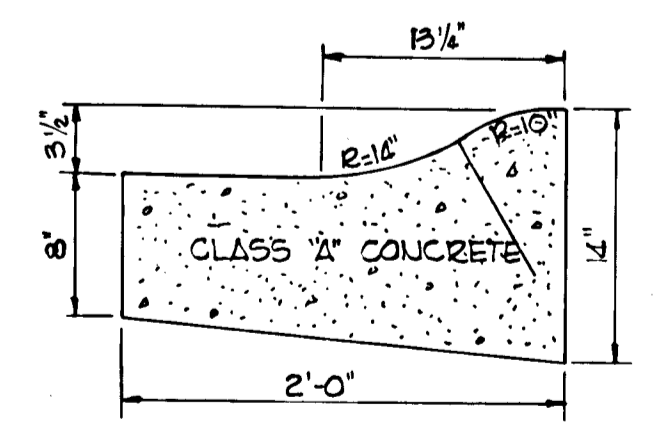
SECTION THROUGH PARKING

NO SCALE



SIDEWALK DETAIL

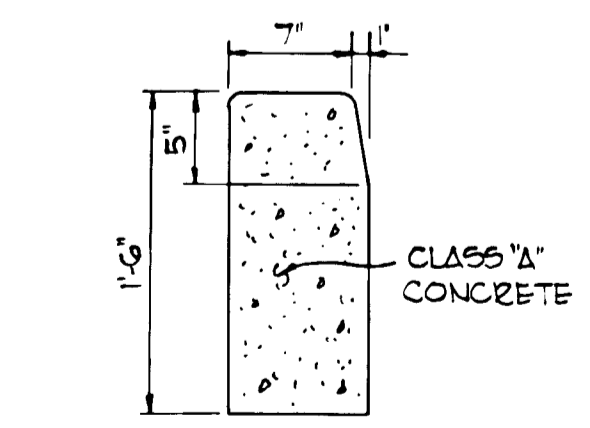
NO SCALE



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

MODIFIED COMB. CURB AND GUTTER

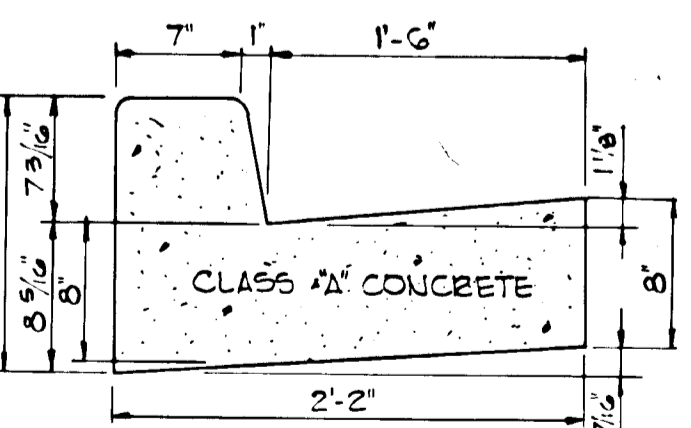
NO SCALE



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

STANDARD BARRIER CURB

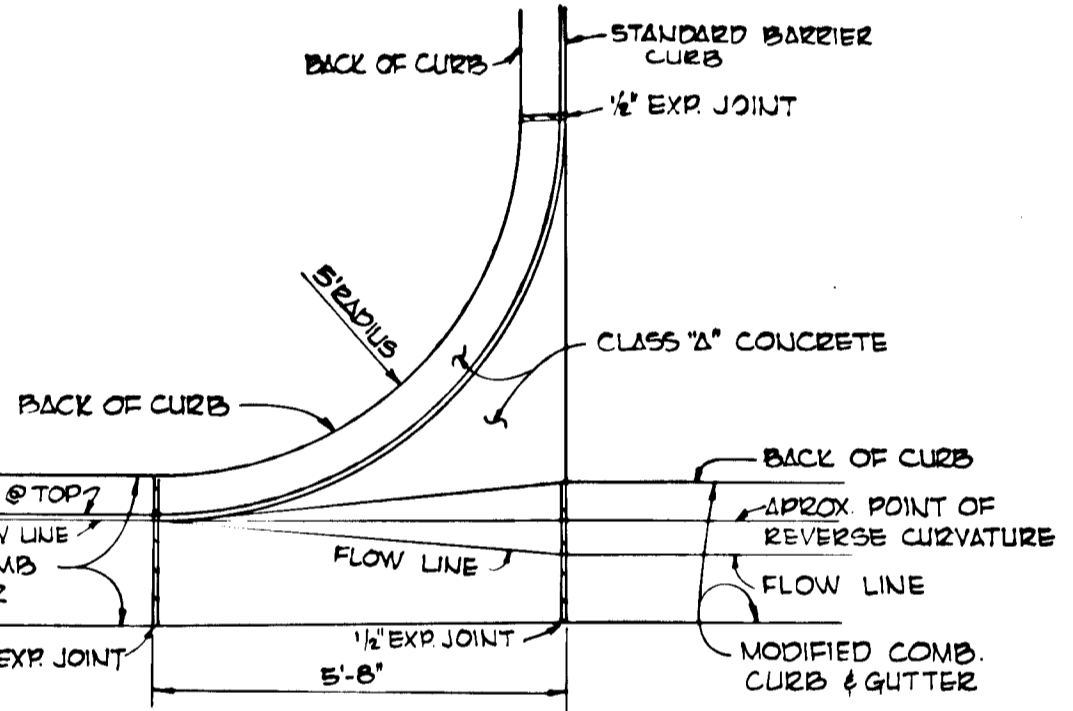
NO SCALE



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

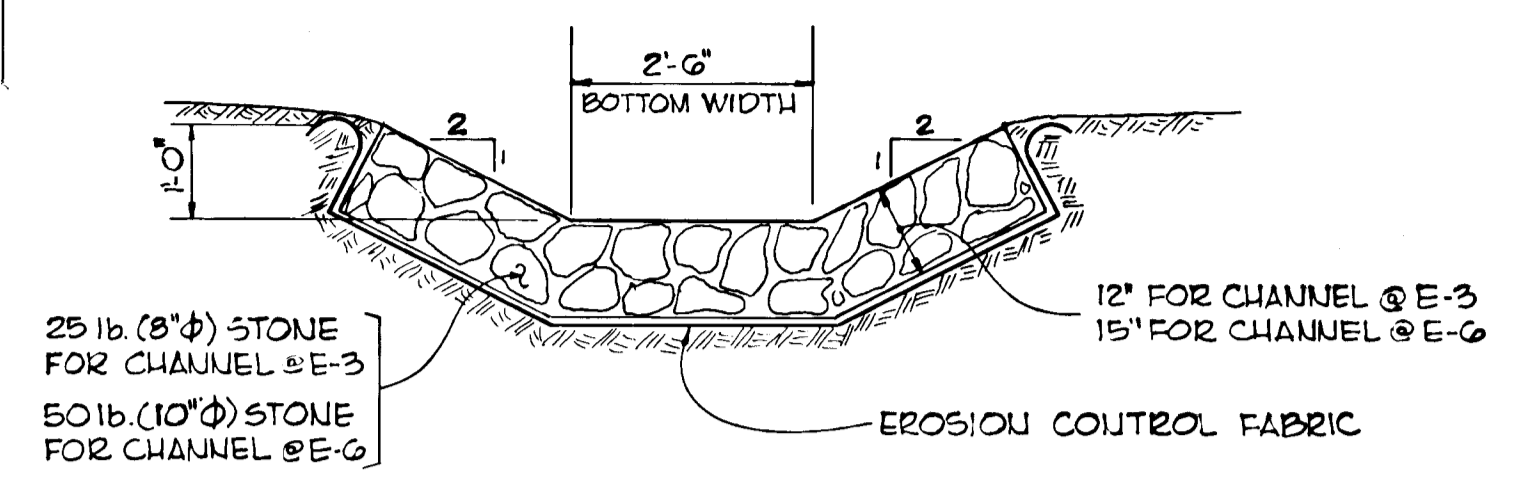
STANDARD 7\"/>

NO SCALE



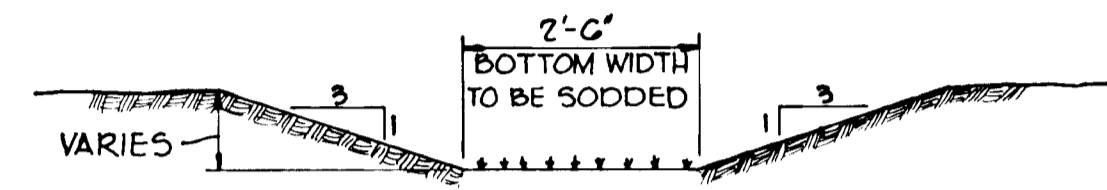
CURB INTERSECTION TRANSITION DETAIL

NO SCALE



RIP-RAP CHANNEL

NO SCALE



NOTE: SOD SWALES AS INDICATED ON SHEET 5 OF 7 ALL OTHER SWALES ARE TO BE SEEDED AND MULCHED

GRASSED SWALE

NO SCALE

SOD NOTES

SPECIFICATIONS

1. Class of turfgrass sod shall be Maryland or Virginia State Certified, or Maryland or Virginia State approved sod.
2. Sod shall be machine cut at a uniform soil thickness of 3/4 inch, plus or minus 1/4 inch, at the time of cutting. Measurement for thickness shall exclude top growth and thatch.
3. Standard size sections of sod shall be strong enough to support their own weight and retain their size and shape when suspended vertically from a firm grasp on the upper 10% of the section.
4. Individual pieces of sod shall be cut to the suppliers width and length. Maximum allowable deviation from standard widths and lengths shall be 5%. Broken pads and torn or uneven ends will not be acceptable.
5. Sod shall not be harvested or transplanted when moisture content (excessively dry or wet) may adversely affect its survival.
6. Sod shall be harvested, delivered and installed within a period of 36 hours. Sod not transplanted within this period shall be inspected and approved by the contracting officer or his designated representative prior to its installation.

Site Preparation

Fertilizer and lime application rates shall be determined by soil tests. Under unusual circumstances where there is insufficient time for a complete soil test and the contracting officer agrees, fertilizer and lime materials may be applied in amounts shown under B. and C., below.

- A. Prior to sodding, the surface shall be cleared of all trash, debris, and of all roots, brush, wire, grade stakes and other objects that would interfere with planting, fertilizing or maintenance operations.
- B. Where the soil is acid or composed of heavy clays, ground limestone shall be spread at the rate of 100 pounds per 1,000 square feet. In all soils 30 pounds of 5-10-5, or equivalent, per 1,000 square feet shall be uniformly applied and mixed into the top 3 inches of soil with the required lime.
- C. Slow release nitrogen at the rate of 3.5 lbs. N/1000 square feet shall be applied to the prepared soil just prior to sod installation. This material shall be approximately 1/3 immediately available and 2/3 water insoluble nitrogen. Urea formaldehyde (UF) and isobutylidene urea (IBDU) meet these standards.

Sod Installation

- A. During periods of excessively high temperature the soil shall be lightly irrigated immediately prior to laying the sod.
- B. The first row of sod shall be laid in a straight line with subsequent rows placed parallel to and tightly wedged against each other. Lateral joints shall be staggered to promote more uniform growth and strength. Insure that sod is not stretched or overlapped and that all joints are butted tight in order to prevent voids which would cause air drying of the roots.
- C. On sloping areas where erosion may be a problem, sod shall be laid with the long edges parallel to the contour and with staggered joints. Secure the sod by tamping and pegging or other approved methods.
- D. As sodding is completed in any one section, the entire area shall be rolled or tamped to insure solid contact of roots with the soil surface. Sod shall be watered immediately after rolling or tamping until the underside of the new sod pad and soil surface below the sod are thoroughly wet. The operations of laying, tamping and irrigating for any piece of sod shall be completed within eight hours.

CERTIFICATION BY THE DEVELOPER:
"I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS OF DEVELOPMENT AND 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". DEVIATION FROM THIS PLAN WILL NOT BE MADE UNLESS AUTHORIZED BY THE HOWARD SOIL CONSERVATION DISTRICT

Michael B. Glick
Signature of Developer, Michael B. Glick
1-12-79
Date

CERTIFICATION 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".

Herbert R. Plitt
Signature - HERBERT R. PLITT
3-1-79
Date

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

C. Wayne Ray
Signature
3/29/79
Date
U.S. Soil Conservation Service

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

APPROVED: *Howard S.C.D.*
Howard S.C.D.
3-29-79
Date

APPROVED: DEPARTMENT OF PUBLIC WORKS.

W.O. L. Hest
Chief, Bureau of Engineering
4-6-79
Date

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

Planning Director
William M. Schuman
Chief, Division of Land Development
3-30-79
Date

Date	No	Revision	Description

GOVERNOR'S LANDING

OWNER AND DEVELOPER
PLUMTREE ASSOCIATES
c/o Jacyn Development Group
12400 Clarksville Pike
CLARKSVILLE, MARYLAND 21029

CENTURY ENGINEERING, INC.
CONSULTING ENGINEERS - PLANNERS
TOWSON, MARYLAND 21204

AREA
PARCEL 82, TAX MAP 24, LIBER 0900, FOLIO 367
2nd Election District - Howard County, Maryland

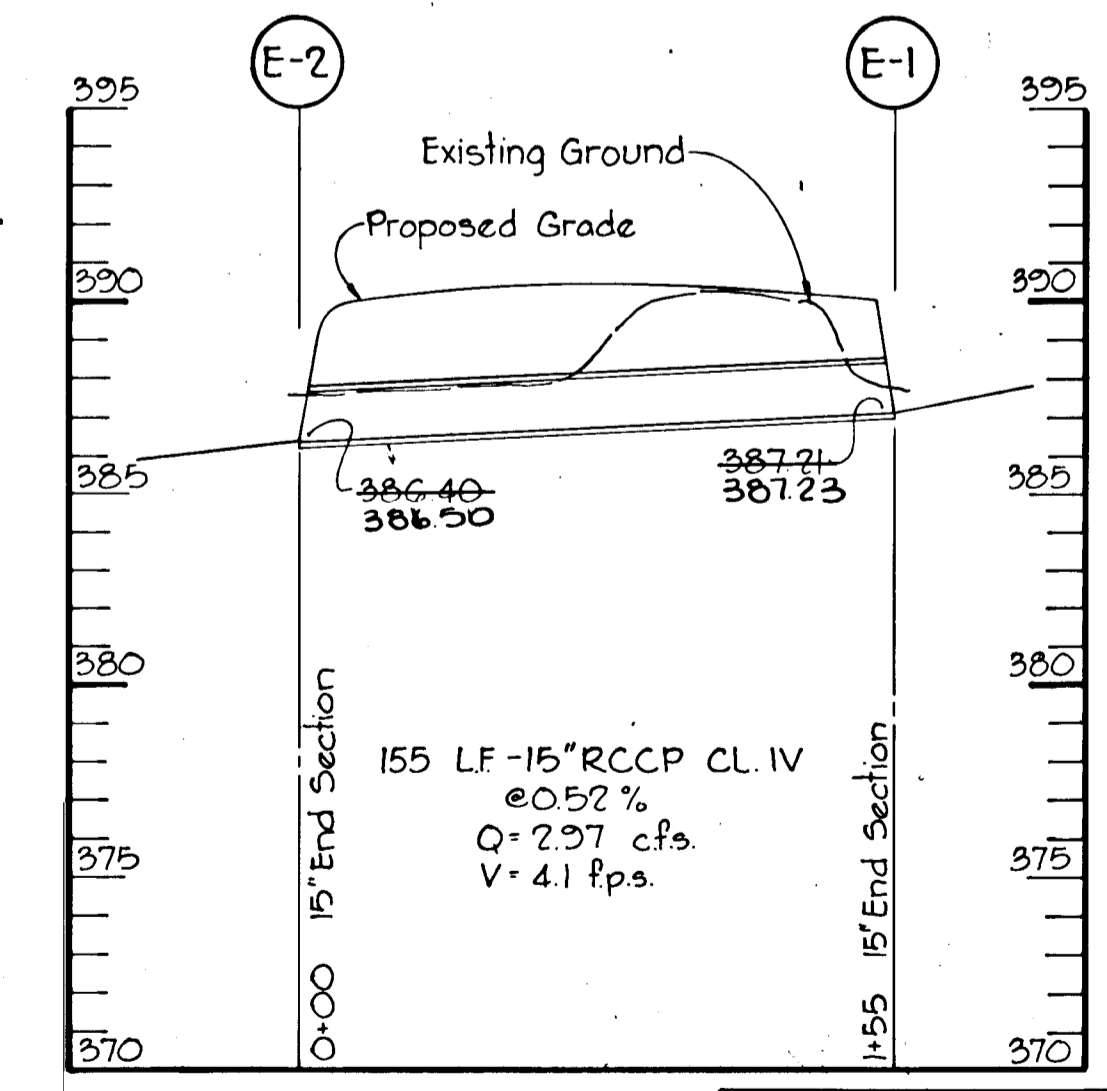
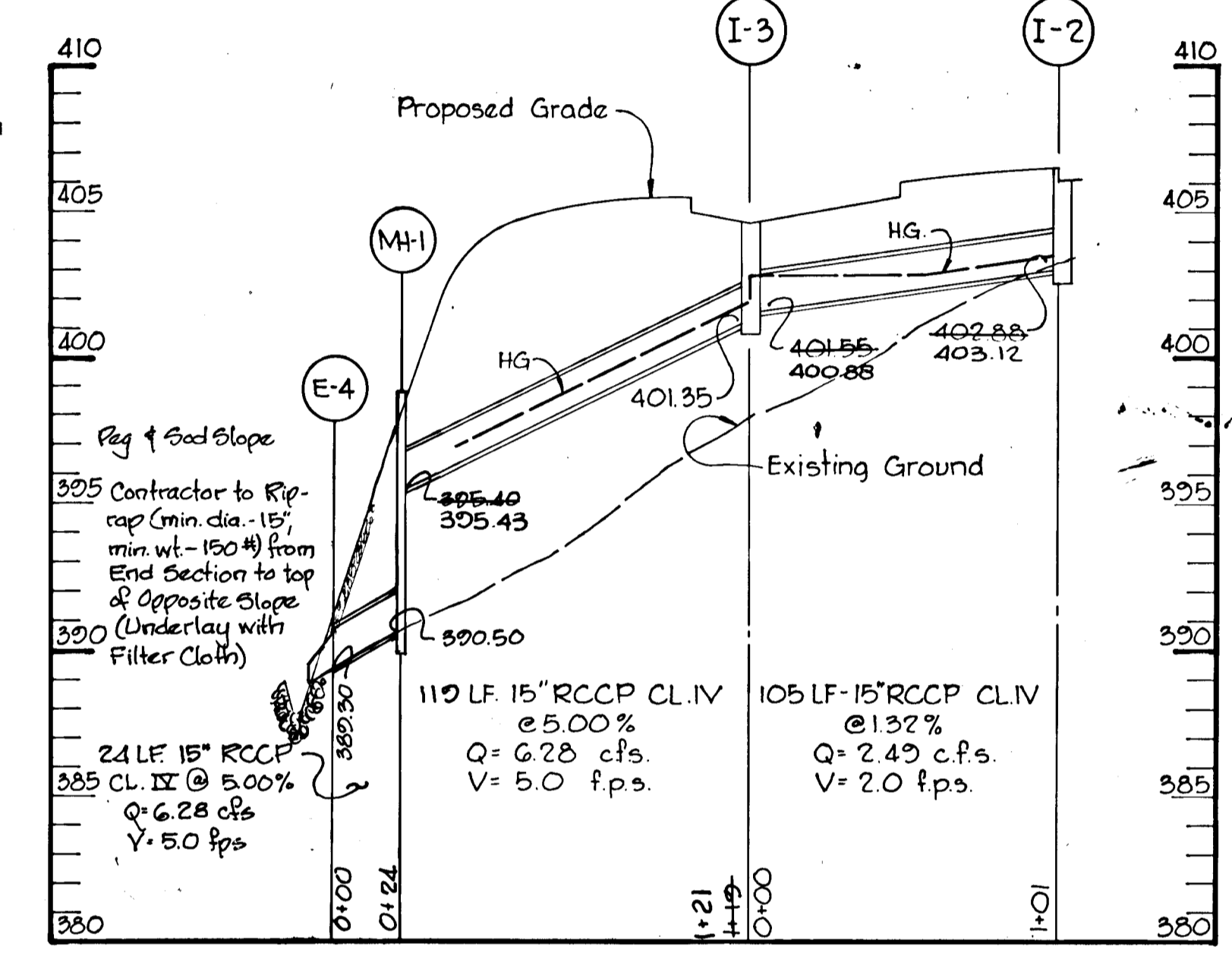
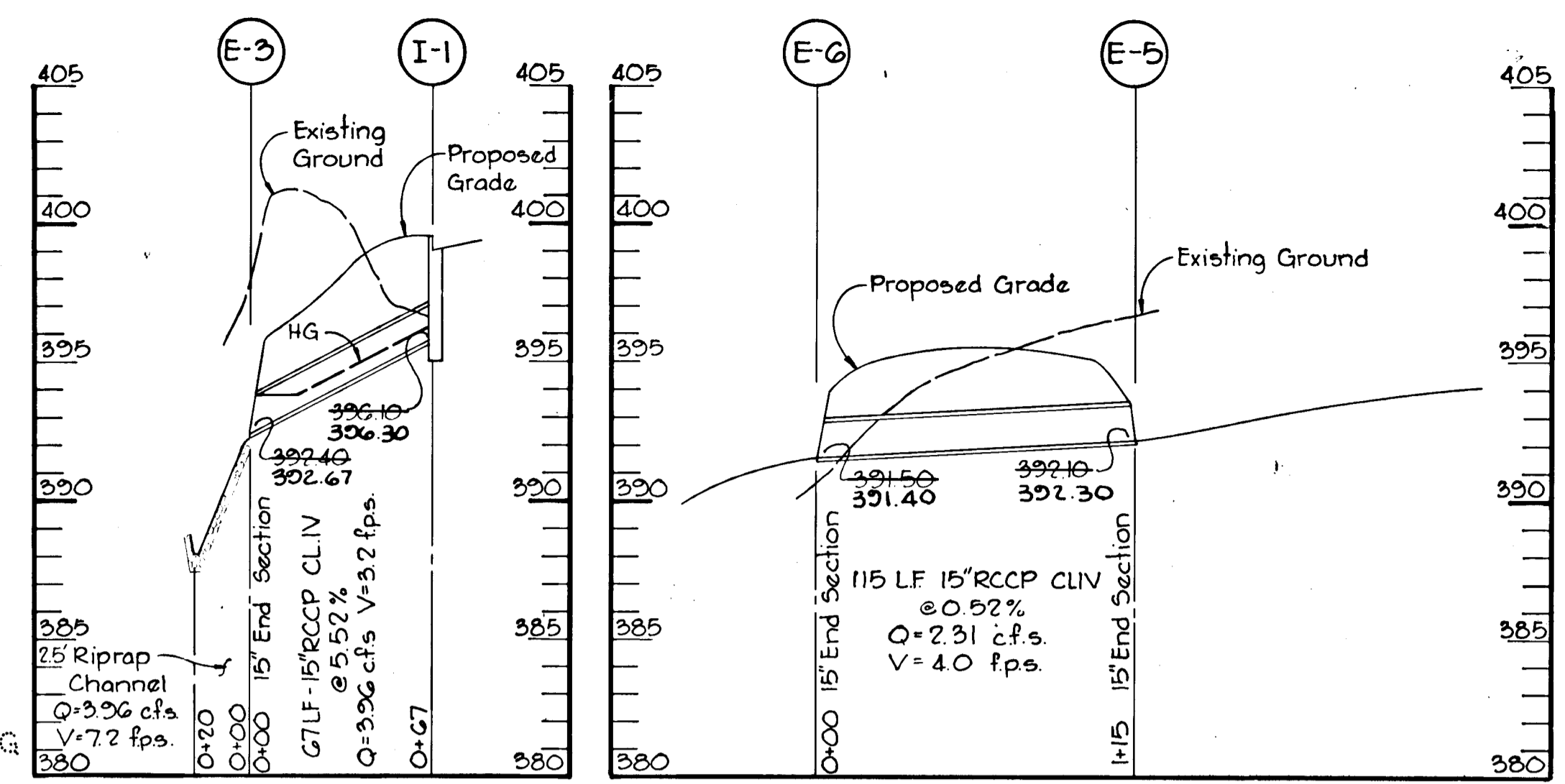
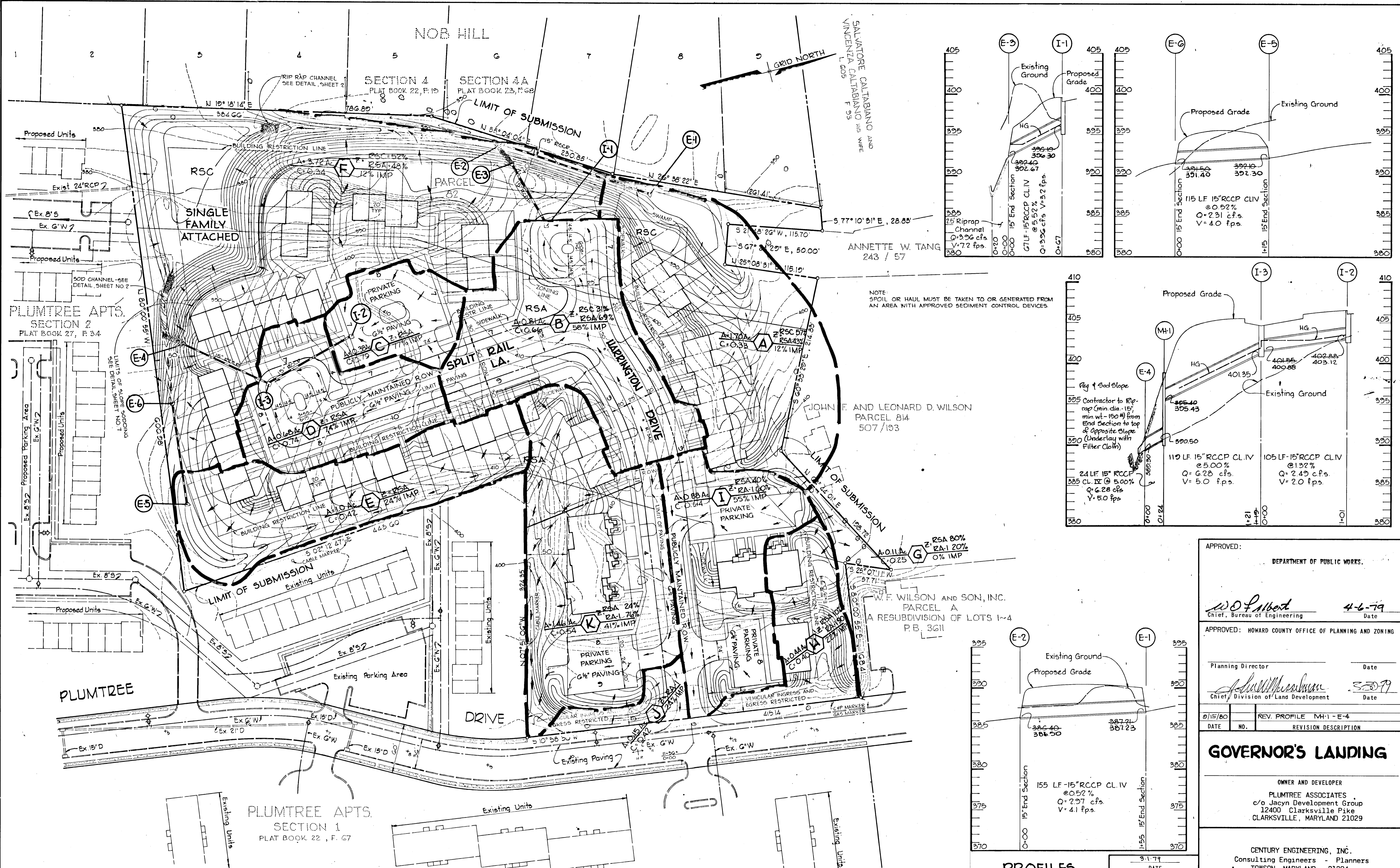
TITLE
DETAIL SHEET

Des By L.J.D. Scale AS SHOWN Proj No 6677
Drn By P.S. Date 11/15/78 Drawing No.
Chk By J.K.T. Approved 2 OF 7

3-1-79
Date

Albert R. Plitt
Professional Engr. No. 5407

F-79-83



PROFILES
Scale: H=1"=50'
V=1"=5'

APPROVED: *W.O. Albert* 4-6-79
Chief, Bureau of Engineering Date

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
Planning Director Date
Herbert R. Plitt 3-29-79
Chief, Division of Land Development Date

01/15/80	REV. PROFILE MH-1-E-4
DATE	NO. REVISION DESCRIPTION

GOVERNOR'S LANDING

OWNER AND DEVELOPER
PLUMTREE ASSOCIATES
c/o Jacyn Development Group
12400 Clarksville Pike
CLARKSVILLE, MARYLAND 21029

CENTURY ENGINEERING, INC.
Consulting Engineers - Planners
TOWSON, MARYLAND 21204

AREA: PARCEL 82, TAX MAP 24, LIBER 090, FOLIO 367
2nd Election District - Howard County, Maryland

TITLE: GRADING PLAN AND DRAINAGE AREA MAP

DES. BY: L.J.D.	SCALE: 1" = 50'	PROJ. NO. 6677
DRAWN BY: J.H.	DATE: 11/15/78	DRAWING NO. 5 OF 7
CHK. BY: J.K.T.		

CERTIFICATION BY THE DEVELOPER:
"I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS OF DEVELOPMENT AND 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". DEVIATION FROM THIS PLAN WILL NOT BE MADE UNLESS AUTHORIZED BY THE HOWARD SOIL CONSERVATION DISTRICT."

Michael B. Glick
SIGNATURE OF DEVELOPER, MICHAEL B. GLICK
1-12-79
DATE

CERTIFICATION 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."

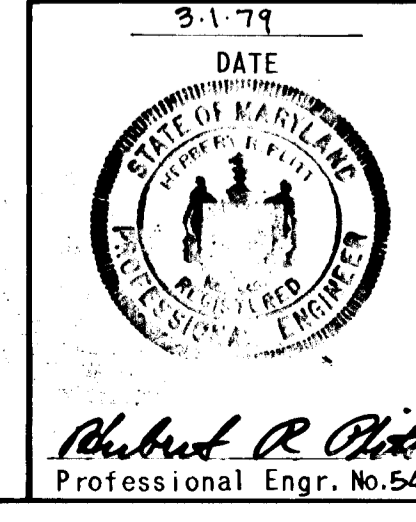
Herbert R. Plitt
SIGNATURE - HERBERT R. PLITT
3-1-79
DATE

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

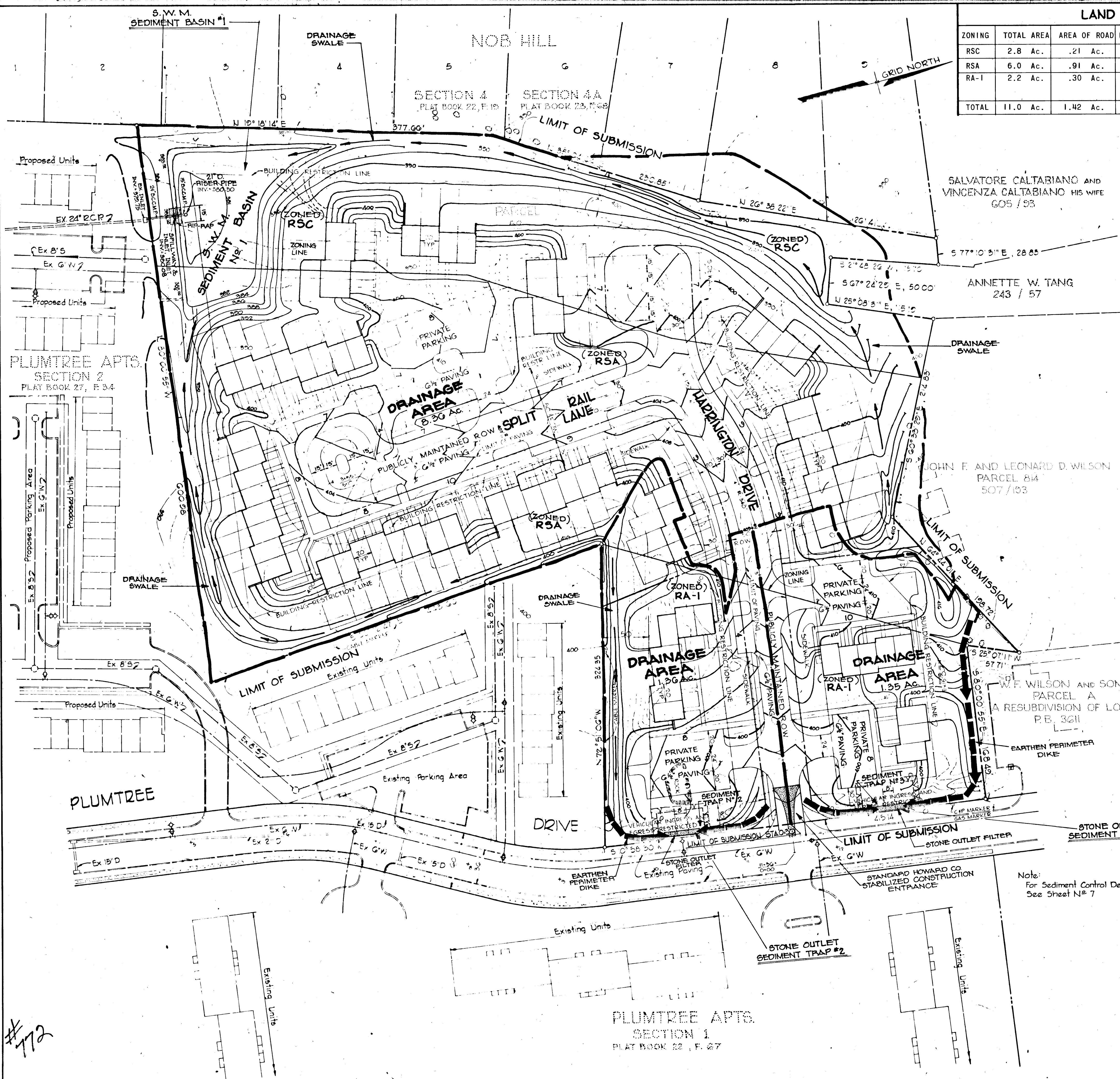
APPROVED: _____
HOWARD S.C.D. DATE

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

L. Wayne Perry
U.S. SOIL CONSERVATION SERVICE
3/29/79
DATE



#772



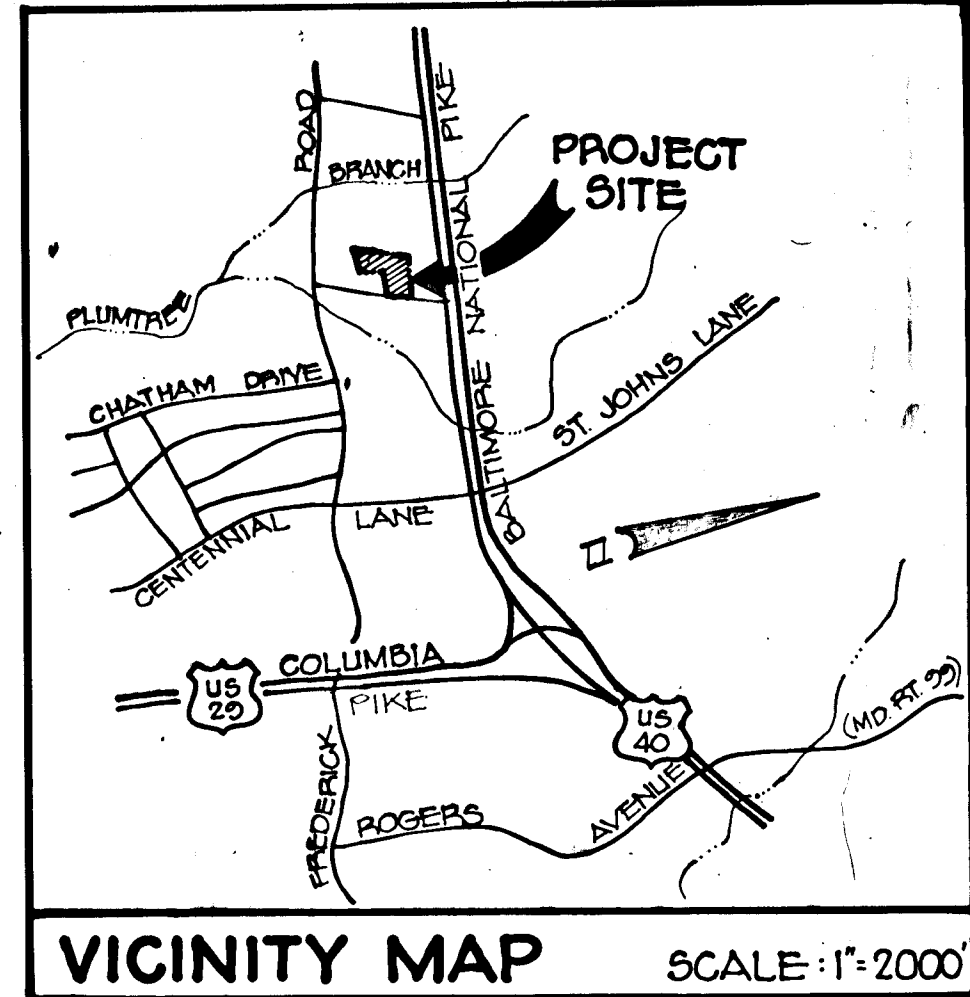
LAND USE TABULATION						
ZONING	TOTAL AREA	AREA OF ROAD	BALANCE	UNITS	PARKING	
					REQUIRED	PROVIDED
RSC	2.8 Ac.	.21 Ac.	2.59	11 TOWNHOUSES	118	134
RSA	6.0 Ac.	.91 Ac.	5.09	48 TOWNHOUSES		
RA-1	2.2 Ac.	.30 Ac.	1.90	18 3-BEDRM. APTS 6 2-BEDRM. APTS	36 9	36 9
TOTAL	11.0 Ac.	1.42 Ac.	9.58	83 TOTAL UNITS	163	179

CERTIFICATION BY THE DEVELOPER:
 "I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS OF DEVELOPMENT AND 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". DEVIATION FROM THIS PLAN WILL NOT BE MADE, UNLESS AUTHORIZED BY THE HOWARD SOIL CONSERVATION DISTRICT.
 Signature: *Michael B. Glick* Date: 10-18-78
 Signature of Developer, Michael B. Glick

CERTIFICATION 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".
 Signature: *Robert R. Platt* Date: 9-1-79
 Signature of Engineer, Robert R. Platt

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SOIL EROSION AND SEDIMENT CONTROL.
 Signature: *C. Wayne Ray* Date: 3/29/79
 Signature of U.S. Soil Conservation Service, C. Wayne Ray

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



SITE ANALYSIS

1. TOTAL SITE AREA: 10.77 Ac.±
2. DISTURBED AREA: 10.77 Ac.±
3. AREA TO BE SEEDED: ALL SWALES, PERIMETER DIKES, S.W.M. SEDIMENT BASINS AND SEDIMENT TRAPS ARE TEMPORARILY SEEDED.

APPROVED: *John Eitel* Date: 8-29-79
 Signature of Howard S.C.D., John Eitel

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

Signature: *John Marshall* Date: 5-30-79
 Chief, Division of Land Development, John Marshall

APPROVED: DEPARTMENT OF PUBLIC WORKS

Signature: *W.D. West* Date: 4-6-79
 Chief, Bureau of Engineering, W.D. West

S.W.M. SEDIMENT BASIN #1

DRAINAGE AREA: 8.30 AC.
 DISTURBED AREA: 8.30 AC.
 VOLUME REQUIRED: 13,000 C.F.
 VOLUME PROVIDED: 20,000 C.F.
 BASIN SIZE: 20,000 C.F.
 BOTTOM ELEV.: 360.50
 RISE/P. PIPE SIZE: 21" Ø
 RISE/P. PIPE ELEV.: (TOP) 362.45
 CREST OF SPILLWAY ELEV.: 362.10
 INLET INV. ELEV.: 360.60

STONE OUTLET SEDIMENT TRAP #2

DRAINAGE AREA: 1.30 AC.
 DISTURBED AREA: 1.30 AC.
 VOLUME REQUIRED: 2500 C.Y.
 VOLUME PROVIDED: 2500 C.Y.
 TRAP SIZE: 2' x 25' x 50"
 BOTTOM ELEV.: 398
 TOP ELEV.: 400
 CLEAN OUT ELEV.: 399
 8' WIDE SPILLWAY

STONE OUTLET SEDIMENT TRAP #3

DRAINAGE AREA: 1.35 AC.
 DISTURBED AREA: 1.35 AC.
 VOLUME REQUIRED: 2500 C.Y.
 VOLUME PROVIDED: 2500 C.Y.
 TRAP SIZE: 2' x 25' x 50"
 BOTTOM ELEV.: 398
 TOP ELEV.: 400
 CLEAN OUT ELEV.: 399
 8' WIDE SPILLWAY

Note:
 For Sediment Control Details
 See Sheet N# 7

DATE	NO.	REVISION DESCRIPTION

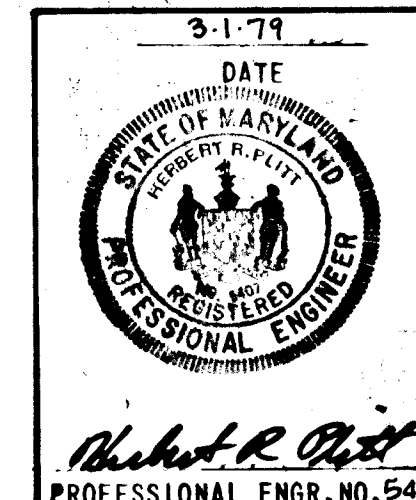
GOVERNOR'S LANDING
 OWNER AND DEVELOPER
 PLUMTREE ASSOCIATES
 c/o Jacyn Development Group
 12400 Clarksville Pike
 CLARKSVILLE, MARYLAND 21029

CENTURY ENGINEERING, INC.
 Consulting Engineers - Planners
 TOWSON, MARYLAND 21204

AREA: PARCEL 82, TAX MAP 24, LIBER 0900, FOLIO 567
 2nd Election District - Howard County, Maryland

TITLE:
 S.W.M. AND SEDIMENT CONTROL PLAN

DES. BY: E.J.T., K.L.T. SCALE: 1" = 50' PROJ. NO. 6677
 DRAWN BY: R.J.W. DATE: 10-4-78 DRAWING NO.
 CHK. BY: J.K.T. (OF)



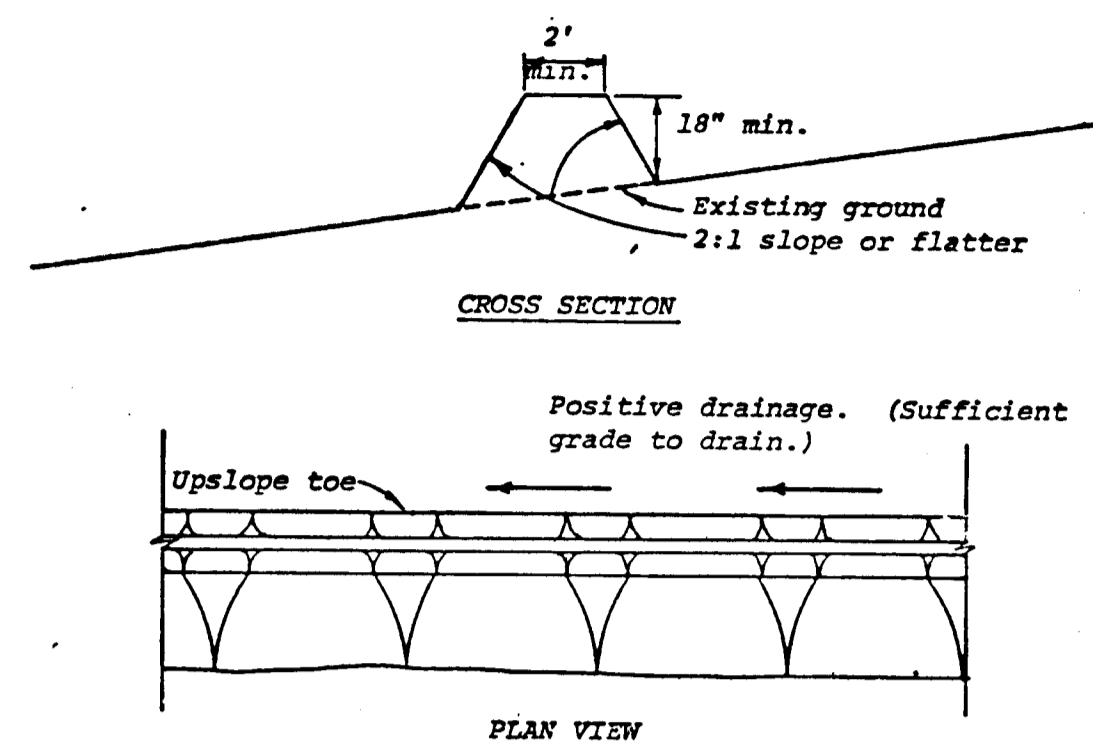
#772

F-79-83

APPROVED DEPARTMENT OF PUBLIC WORKS.

W. O. Plitt
Chief, Bureau of Engineering

4-6-79
Date



Construction Specifications

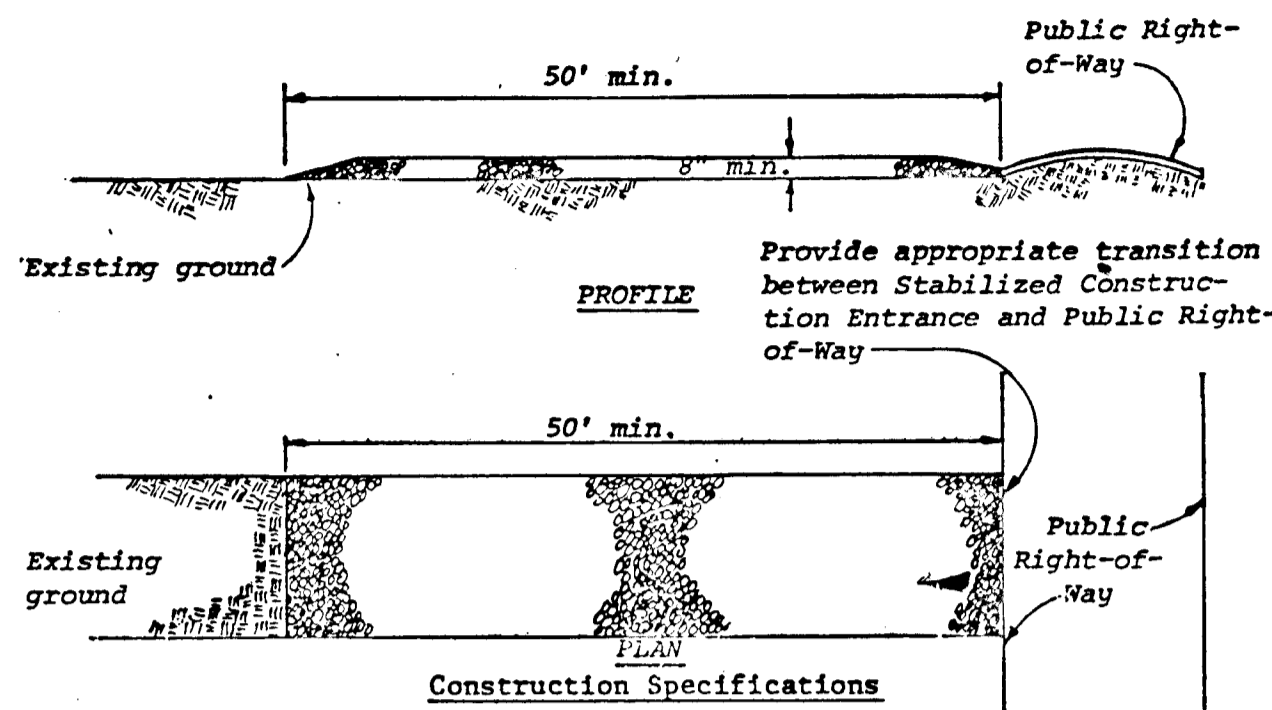
- All dikes shall be machine compacted.
- All perimeter dikes shall have positive drainage to an outlet.
- A. Diverted runoff from a protected or stabilized upland area shall outlet directly onto an undisturbed stabilized area or into a level spreader or grade stabilization structure.
- B. Diverted runoff 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.
- 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.
- Periodic inspection and required maintenance shall be provided.

Standard Symbol PD

* Drainage area less than 5 acres

PERIMETER DIKE

NO SCALE



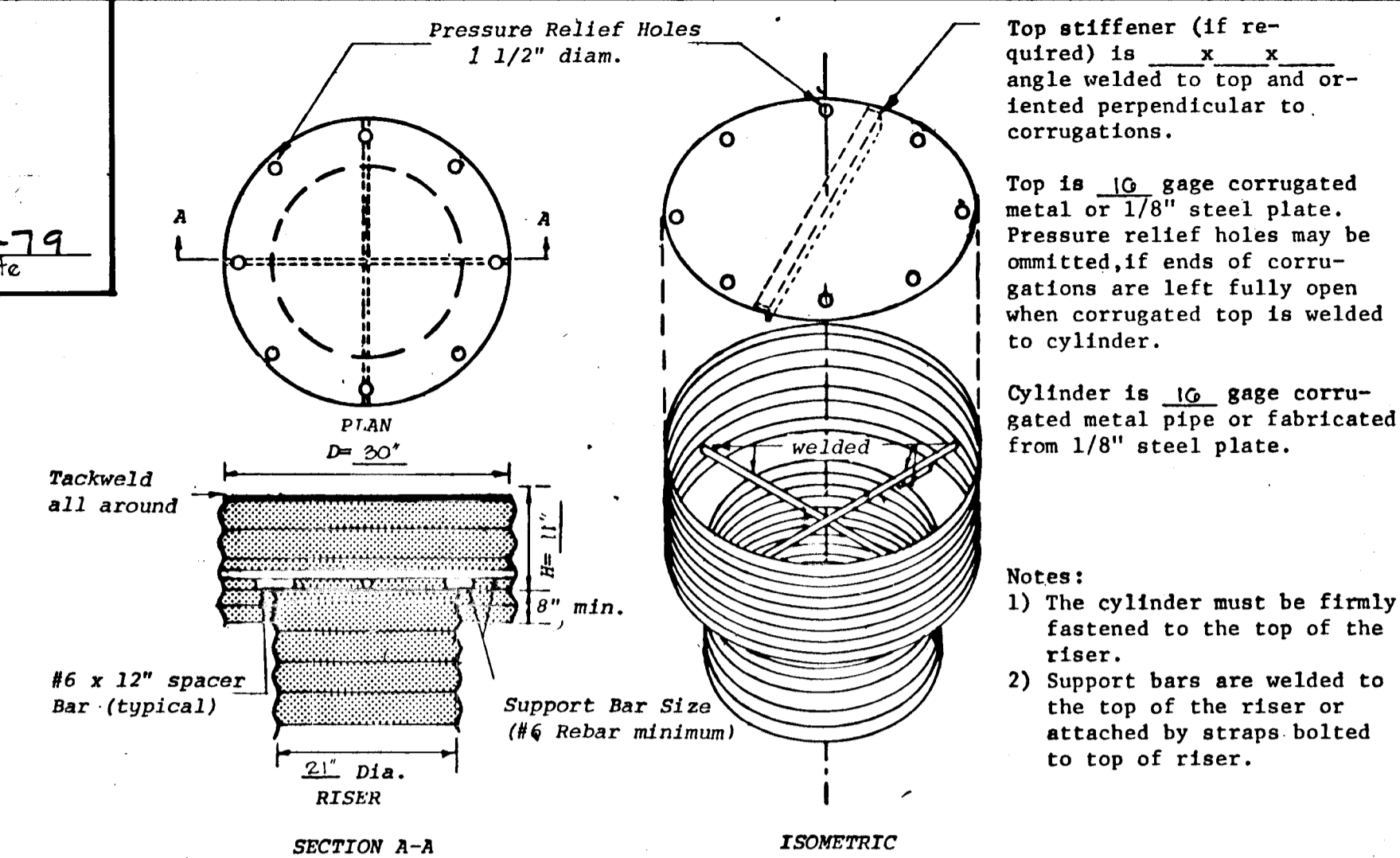
Construction Specifications

- 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.
- Length - As effective, but not less than 50 feet.
- Thickness - Not less than eight (8) inches.
- Width - Not less than full width of all points of ingress or egress.
- 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.
- 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



Top stiffener (if required) is $\frac{x}{x}$ angle welded to top and oriented perpendicular to corrugations.

Top is 10 gage corrugated metal or 1/8" steel plate. Pressure relief holes may be omitted, if ends of corrugations are left fully open when corrugated top is welded to cylinder.

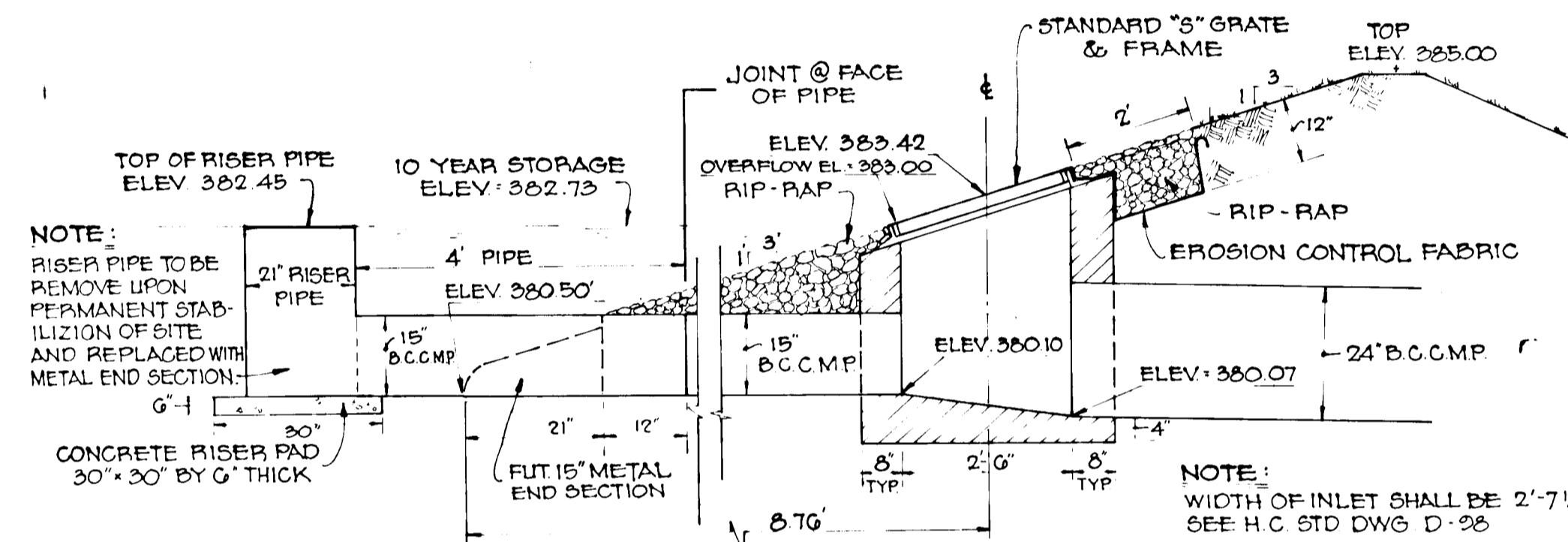
Cylinder is 10 gage corrugated metal pipe or fabricated from 1/8" steel plate.

Notes:

- The cylinder must be firmly fastened to the top of the riser.
- Support bars are welded to the top of the riser or attached by straps bolted to top of riser.

RISER PIPE DETAIL W/TRASH RACK AND ANTI-VORTEX DEVICE ON TOP

NO SCALE



PRINCIPAL & EMERGENCY SPILLWAY DETAIL

NO SCALE

- AREA TO BE SEEDED SHALL BE RECENTLY LOOSENEED. IF THE GROUND IS PACKED, CRUSTED OR HARD, THE TOP LAYER OF SOIL SHALL BE LOOSENEED BY DISCING, RACKING OR OTHER ACCEPTABLE MEANS.
- APPLY 10-20-10 FERTILIZER (OR EQUIVALENT) AT THE RATE OF 600 LBS. PER ACRE OR 15 LBS. PER 1000 SQ. FT.
 - WHERE SOIL IS KNOWN TO BE HIGHLY ACID, APPLY DOLOMITIC LIMESTONE AT THE RATE OF 1 TON PER ACRE.
 - 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.
 - 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

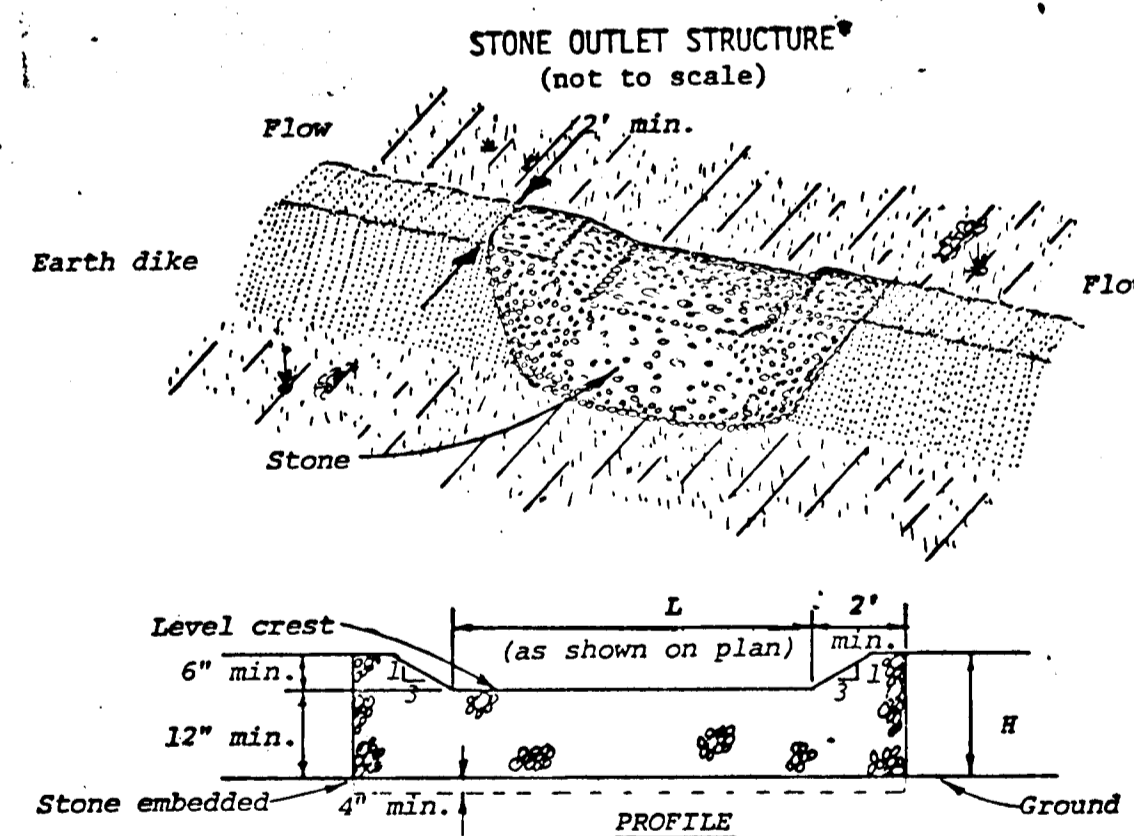
- FINAL STABILIZATION WILL TAKE PLACE AS SOON AS POSSIBLE AS WEATHER CONDITIONS PERMIT, AS FOLLOWS:
- APPLY DOLOMITIC LIMESTONE AT THE RATE OF 2 TONS. PER ACRE (ONE TON PER ACRE IF APPLICATION OF TON PER ACRE WAS MADE FOR TEMPORARY SEEDING).
 - APPLY 0-20-20 FERTILIZER AT THE RATE OF 600 LBS. PER ACRE. HARROW OR DISC LIME AND 0-20-20 FERTILIZER INTO THE SOIL TO A MINIMUM DEPTH OF 3" LAWS 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.
 - SEED WITH A MIXTURE OF CERTIFIED "MERION" KENTUCKY BLUEGRASS - 40 LBS. PER ACRE; COMMON KENTUCKY BLUEGRASS - 40 LBS. PER ACRE; RED FESCUE, PENNLANN OR JAMESTOWN - 20 LBS. PER ACRE.
 - 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.
 - SEED ALL SLOPES WITH A MIXTURE OF CERTIFIED KENTUCKY 31 TALL FESCUE - 50 LBS. PER ACRE AND INOCULATED KOREAN LESPEDEZA - 15 LBS. PER ACRE.

SEDIMENT CONTROL CONSTRUCTION NOTES

- 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).
- 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.
- SITE GRADING WILL BEGIN ONLY AFTER ALL PERIMETER SEDIMENT CONTROL MEASURES HAVE BEEN INSTALLED AND ARE IN A FUNCTIONING CONDITION.
- 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.
- SEDIMENT WILL BE REMOVED FROM TRAPS WHEN THE DEPTH REACHES THE CLEAN OUT ELEVATION SHOWN ON THE PLANS.
- 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.
- 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.
- 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".
- NO STORM DRAINS SHALL BE INSTALLED UNDER THIS CONTRACT.
- SEDIMENT CONTROL WILL BE INSTALLED BEFORE CLEARING AND GRUBBING REMAINDER OF SITE.

SEQUENCE OF CONSTRUCTION

- OBTAIN A GRADING PERMIT.
- INSTALL STABILIZED CONSTRUCTION ENTRANCE.
- INSTALL STORM WATER MANAGEMENT POND, NO. 1, SEDIMENT TRAP NO. 2 AND 3 WITH STONE OUTLET STRUCTURES AND SEED AS PER TEMPORARY SEEDING NOTES.
- INSTALL PERIMETER DIKE AND SEED PER TEMPORARY SEEDING NOTES.
- ROUGH GRADE SITE WITHIN LIMIT OF GRADING AND SEED AS PER TEMPORARY SEEDING NOTES.
- ALL SEDIMENT CONTROL STRUCTURES ARE TO BE UPGRADED TO ORIGINAL CONDITION AND ARE TO REMAIN IN PLACE THRU PHASE 2 GRADING.



Construction Specifications

- 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.
- 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.
- The stone outlet structure shall be embedded into the soil a minimum of four inches.
- 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.
- 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

CERTIFICATION BY THE DEVELOPER:

"I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS OF DEVELOPMENT AND 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. DEVIATION FROM THIS PLAN WILL NOT BE MADE UNLESS AUTHORIZED BY THE HOWARD SOIL CONSERVATION DISTRICT."

Michael B. Glick
Signature of Developer, Michael B. Glick
10-18-78
Date

CERTIFICATION 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."

Herbert R. Plitt
Signature - HERBERT R. PLITT
3-1-79
Date

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

C. Wayne Ray
Signature
3/29/79
Date
U.S. Soil Conservation Service

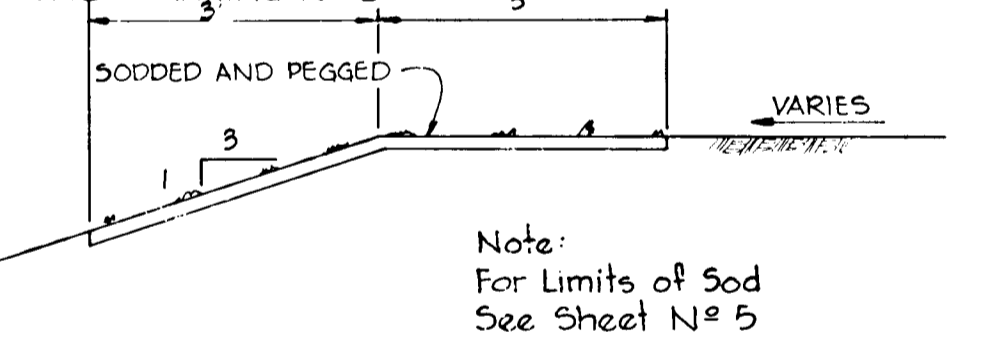
THESE PLANS FOR SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

APPROVED: *W. O. Plitt*
HOWARD S.C.D.
3-29-79
DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.

Planning Director
John W. Whelan
3-30-79
Date
Chief, Division of Land Development

NOTE: SOD SHALL BE FURNISHED AND PLACED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL IN DEVELOPING AREAS. SEE NOTES DRAWING NO. 2



SLOPE SODDING DETAIL

NO SCALE

Date	No	Revision Description

GOVERNOR'S LANDING

OWNER AND DEVELOPER

PLUMTREE ASSOCIATES
c/o Jacyn Development Group
12400 Clarksville Pike
CLARKSVILLE, MARYLAND 21029

CENTURY ENGINEERING, INC.
CONSULTING ENGINEERS - PLANNERS
TOWSON, MARYLAND 21204

AREA
PARCEL 82, TAX MAP 24, LIBER 0900, FOLIO 367
2nd Election District - Howard County, Maryland

TITLE
S.W.M. AND SEDIMENT CONTROL NOTES AND DETAILS

Des By J.K.T.	Scale NONE	Proj No 6677
Drn By K.L.T.	Date 10/4/78	Drawing No. 1 OF 1
Chk By J.K.T.	Approved	

3-1-79
Date

Herbert R. Plitt
Professional Engr. No. 5407

F-79-83