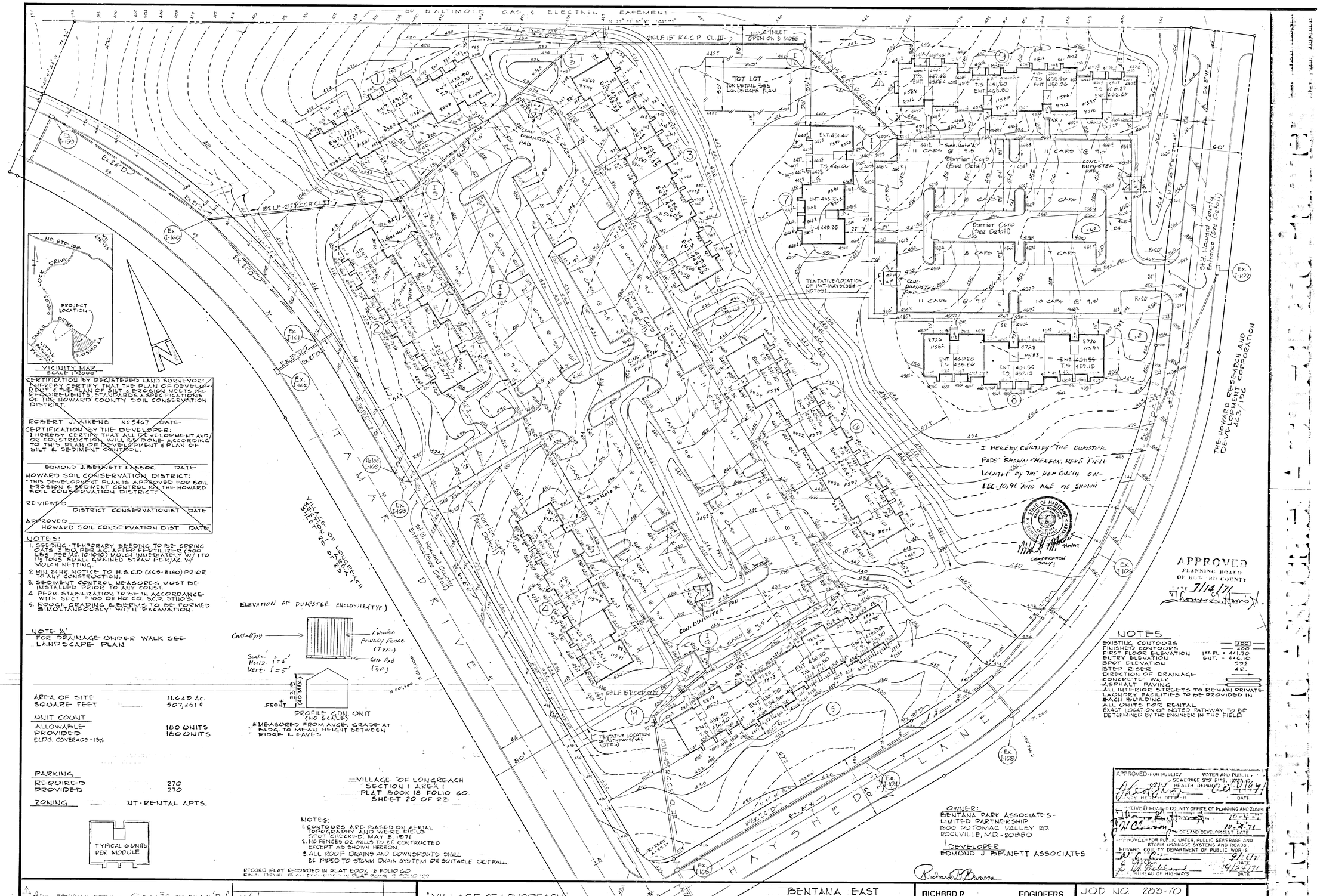


CERTIFICATION BY REGISTERED LAND SURVEYOR:
I HEREBY CERTIFY THAT THE PLAN OF DEVELOPMENT & THE PLAN OF SILT & EROSION MEETS THE REQUIREMENTS, STANDARDS & SPECIFICATIONS OF THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.

ROBERT J. AIKENS No 5467 DATE

CERTIFICATION BY THE DEVELOPER:
I HEREBY CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT & PLAN OF SILT & SEDIMENT CONTROL.

EDMOND J. BENNETT ASSOC. DATE

HOWARD SOIL CONSERVATION DISTRICT:
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION & SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

REVIEWED
DISTRICT CONSERVATIONIST DATE

APPROVED
HOWARD SOIL CONSERVATION DIST DATE

NOTES:
1. SEEDING - TEMPORARY SEEDING TO BE SPRING OATS 3 BU. PER AC. AFTER FERTILIZER (500 LBS. PER AC. 10-10-10) MULCH IMMEDIATELY W/ 1½ TONS SMALL GRAINED STRAW PER/AC. W/ MULCH NETTING.
2. MIN. 24 HR. NOTICE TO H.S.C.D. (465-3160) PRIOR TO ANY CONSTRUCTION.
3. SEDIMENT CONTROL MEASURES MUST BE INSTALLED PRIOR TO ANY CONST.
4. PERM. STABILIZATION TO BE IN ACCORDANCE WITH SECT. 2.100 OF HO. CO. S.C.D. STD'S.
5. ROUGH GRADING & PERM. TO BE FORMED SIMULTANEOUSLY WITH EXCAVATION.

NOTE 'A'
FOR DRAINAGE UNDER WALK SEE LANDSCAPE PLAN

AREA OF SITE	11.649 Ac.
SQUARE FEET	507,451 ±
UNIT COUNT	
ALLOWABLE	180 UNITS
PROVIDED	180 UNITS
BLDG. COVERAGE - 18%	
PARKING	
REQUIRED	270
PROVIDED	270
ZONING	NT - RENTAL APTS.

NOTES:
1. CONTOURS ARE BASED ON AERIAL TOPOGRAPHY AND WERE FIELD SPOT CHECKED MAY 3, 1971
2. NO FENCES OR WALLS TO BE CONTRUCTED EXCEPT AS SHOWN HEREON.
3. ALL ROOF DRAINS AND DOWNSPOUTS SHALL BE PIPED TO STORM DRAIN SYSTEM OR SUITABLE OUTFALL.

RECORD PLAT RECORDED IN PLAT BOOK 18 FOLIO 60
FINAL DEVELOPMENT PLAN RECORDED IN PLAT BOOK 8 FOLIO 129

NOTES
EXISTING CONTOURS — 400 —
FINISHED CONTOURS — 400 —
FIRST FLOOR ELEVATION 1ST FL. = 441.70
ENTRY ELEVATION ENT. = 446.10
SPOT ELEVATION 523
STEP RISER 12.
DIRECTION OF DRAINAGE
CONCRETE WALK
ASPHALT PAVING
ALL INTERIOR STREETS TO REMAIN PRIVATE
LAUNDRY FACILITIES TO BE PROVIDED IN EACH BUILDING
ALL UNITS FOR RENTAL
EXACT LOCATION OF NOTED PATHWAY TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
COUNTY HEALTH OFFICER DATE 6-14-71

APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING
DIRECTOR 10-4-71
CHIEF, DIVISION OF LAND DEVELOPMENT 10-8-71
DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DIRECTOR 9/1/71 DATE
CHIEF, BUREAU OF HIGHWAYS 9/22/71 DATE

1. ADD BATHROOM EXTENSION @ BLDG #9 PER DRAWING 'R-1'	10/14/91	

"VILLAGE OF LONGREACH
SECTION 1 AREA 1
PARCEL "C"
TAX MAP NO. 36

BENTANA EAST
IN THE VILLAGE OF LONGREACH
COLUMBIA, MD.
STORM DRAIN AND SITE DEVELOPMENT PLAN
6TH ELECTION DISTRICT
SCALE 1" = 80'
REVISED 6-14-71

RICHARD P. BROWNE ASSOCIATES
Columbia, Maryland
1983

ENGINEERS PLANNERS ARCHITECTS
Wayne, New Jersey

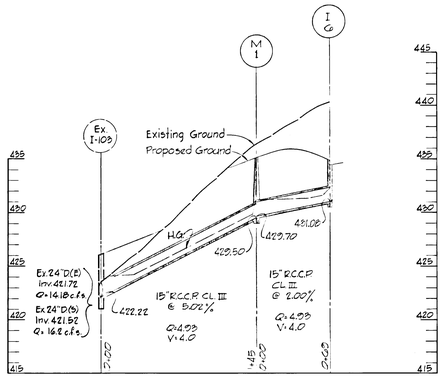
JOB NO. 283-70
DATE 6-14-71

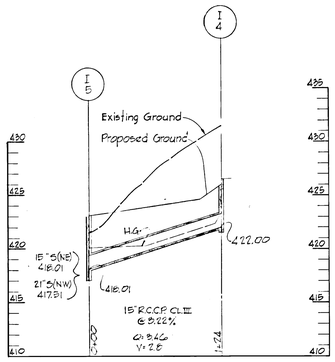
S-1
S.D.P. 71-103-C

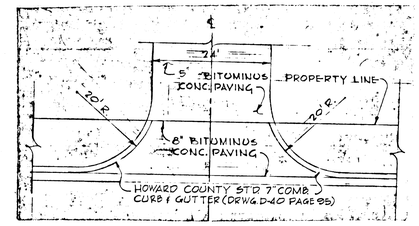
STORM DRAINAGE STRUCTURE SCHEDULE

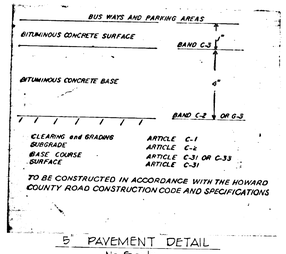
NO.	TYPE	LOCATION	INV. IN	INV. OUT	TOP ELEV.	REMARKS
M-1	Ho. Co. Std. M-4	See Plan	429.70	429.50	435.00	Ho. Co. Std. Dwg.
I-1	A-5 Inlet	See Plan	—	444.51	449.0	Ho. Co. Std. Dwg.
						D-64-A Page 113-A
I-2	C-Inlet	See Plan	437.59	437.19	441.0 *	Ho. Co. Std. Dwg.
						D-64-C Page 113-C
I-3	C-Inlet	See Plan	426.99	426.79	431.0 *	Ho. Co. Std. Dwg.
						D-64-C Page 113-C
I-4	A-5 Inlet	See Plan	—	422.00	426.65	Ho. Co. Std. Dwg.
						D-64-A Page 113-A
I-5	A-5 Inlet	See Plan	418.01	417.51	423.5	Ho. Co. Std. Dwg.
						D-64-A Page 113-A
I-6	A-5 Inlet	See Plan		[illegible]	[illegible]	Ho. Co. Std. Dwg.
						D-64-A Page 113-A

* ELEV. GIVEN AT THROAT

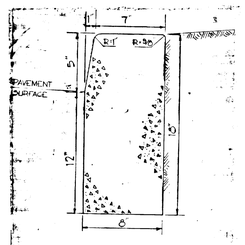




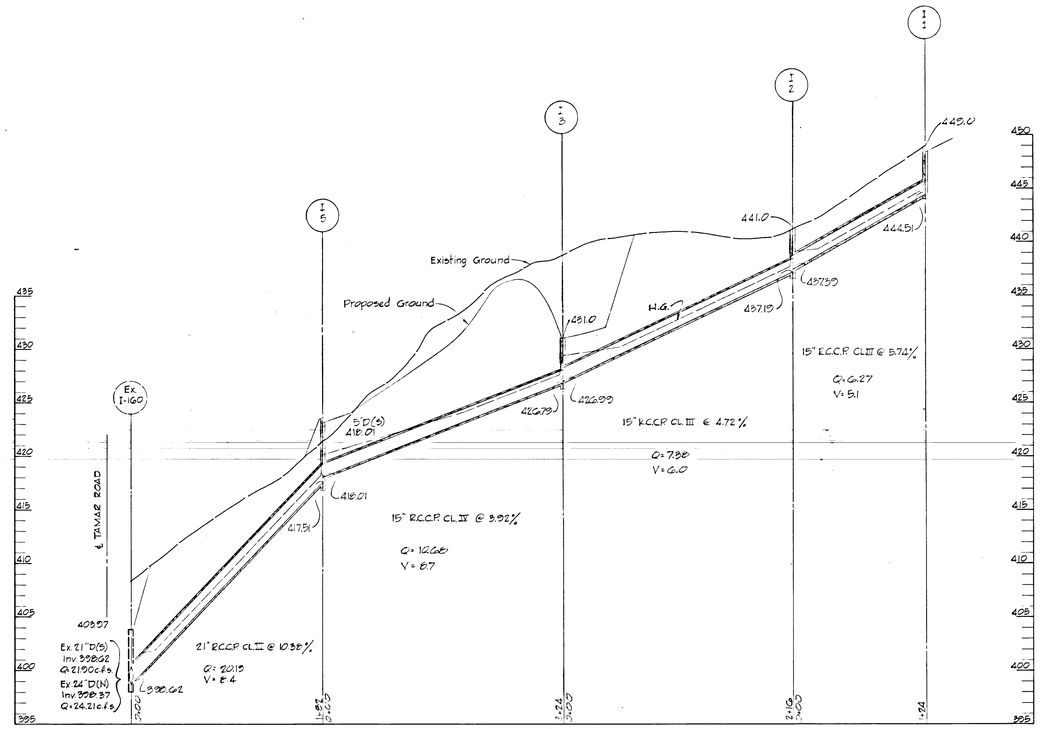




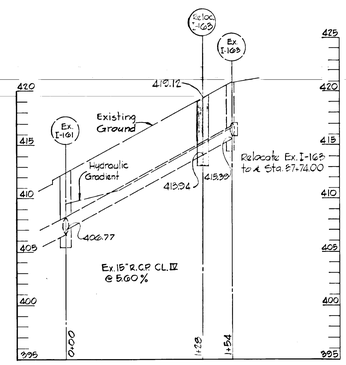
5' PAVEMENT DETAIL
No Scale
HO. CO. STD. D-18 PAGE 68



BARRIER CONCRETE CURB
NO SCALE



PROFILES
Scale: Hor. 1"=50' Vert. 1"=5'



APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE 7/14/71

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT	
HEALTH OFFICER	DATE 6-4-71
APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING	
	DATE 10-4-71
LAND DEVELOPMENT	DATE 10-4-71
APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS	
CHIEF	DATE 9/29/71
CHIEF, BUREAU OF HIGHWAYS	DATE 9/29/71

"VILLAGE OF LONGREACH"
SECTION 1 AREA 1
PARCEL "C"

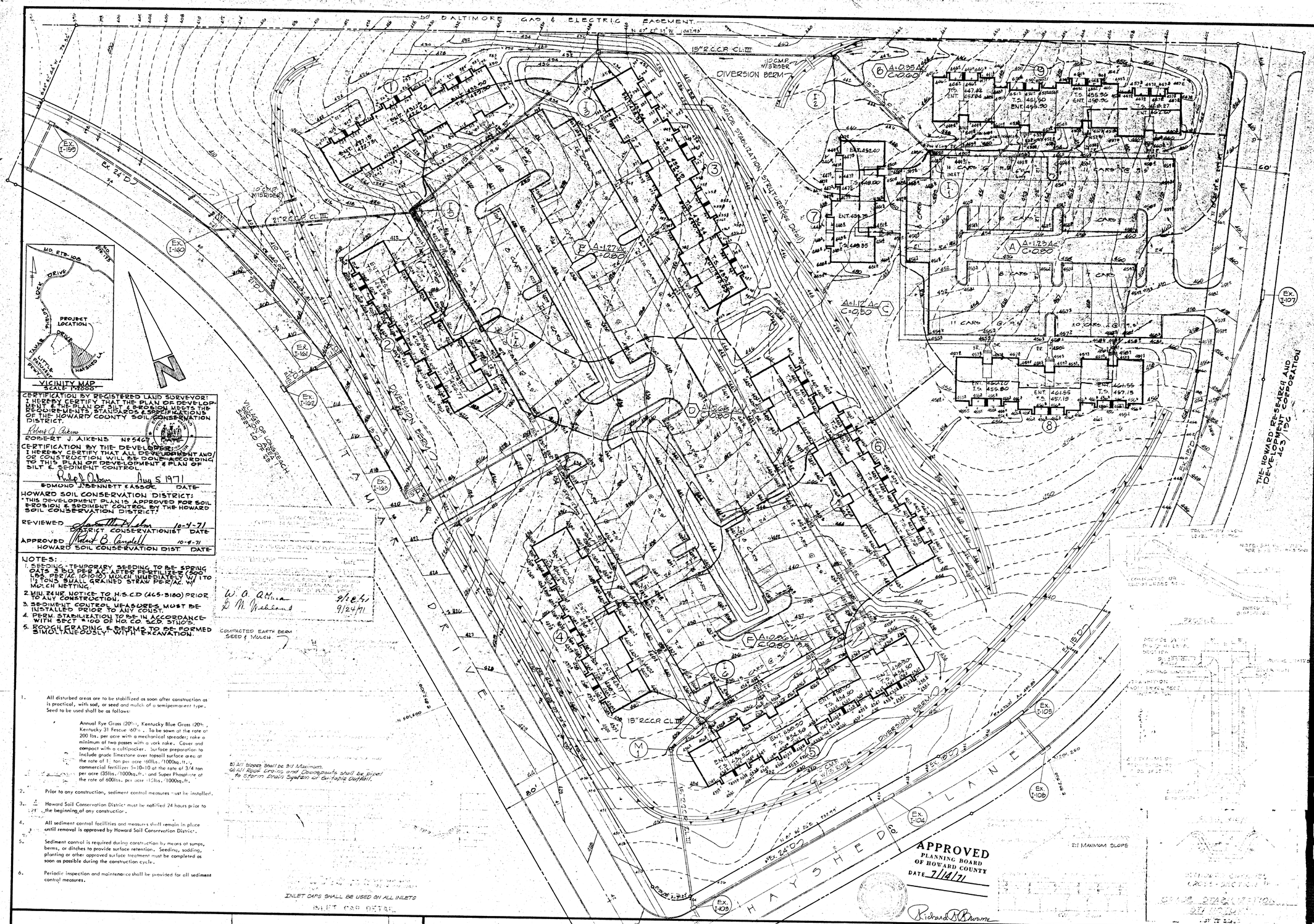
BENTANA EAST
IN THE VILLAGE OF LONGREACH
COLUMBIA, MD.
STORM DRAIN PROFILES AND DETAILS
5th ELECTION DIST. Scale 1"=30'

RICHARD P. BROWNE ASSOCIATES
Columbia, Maryland

ENGINEERS PLANNERS ARCHITECTS
Wayne, New Jersey

JOB NO. 283-70
DATE 6-14-71

S.D.P. 71-102-C



CERTIFICATION BY REGISTERED LAND SURVEYOR:
I HEREBY CERTIFY THAT THE PLAN OF DEVELOPMENT & THE PLAN OF SILT & EROSION MEETS THE REQUIREMENTS, STANDARDS & SPECIFICATIONS OF THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.

Robert J. Aikens
ROBERT J. AIKENS No 5467 DATE

CERTIFICATION BY THE DEVELOPER:
I HEREBY CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT & PLAN OF SILT & SEDIMENT CONTROL.

Rudolph J. Arbon Aug 5 1971
EDMUND J. BENNETT & ASSOC. DATE

HOWARD SOIL CONSERVATION DISTRICT:
"THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION & SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT."

REVIEWED [signature] 10-4-71
DISTRICT CONSERVATIONIST DATE

APPROVED Robert B. Campbell 10-4-71
HOWARD SOIL CONSERVATION DIST. DATE

NOTES:
1. SEEDING - TEMPORARY SEEDING TO BE SPRING OATS 3 BU. PER AC. AFTER FERTILIZER (500 LBS. PER/AC. 10-10-10) MULCH IMMEDIATELY W/ 1 TO 1½ TONS SMALL GRAINED STRAW PER/AC. W/ MULCH NETTING.
2. MIN. 24 HR. NOTICE TO H.S.C.D (465-3180) PRIOR TO ANY CONSTRUCTION.
3. SEDIMENT CONTROL MEASURES MUST BE INSTALLED PRIOR TO ANY CONST.
4. PERM. STABILIZATION TO BE IN ACCORDANCE WITH SECT #100 OF HO. CO. SC.D. STNO'S.
5. ROUGH GRADING & BERMS TO BE FORMED SIMULTANEOUSLY WITH EXCAVATION.

W. A. Altman 9/28/71
D. M. Wehland 9/24/71

COMPACTED EARTH BERM SEED & MULCH

1. All disturbed areas are to be stabilized as soon after construction as is practical, with sod, or seed and mulch of a semipermanent type. Seed to be used shall be as follows:

   Annual Rye Grass (20%), Kentucky Blue Grass (20%), Kentucky 31 Fescue (60%). To be sown at the rate of 200 lbs. per acre with a mechanical spreader; rake a minimum of two passes with a yark rake. Cover and compact with a cultipacker. Surface preparation to include grade limestone over topsoil surface area at the rate of 1½ ton per acre (60lbs./1000sq.ft.), commercial fertilizer 5-10-10 at the rate of 3/4 ton per acre (35lbs./1000sq.ft.) and Super Phosphate at the rate of 600lbs. per acre (15lbs./1000sq.ft.

2. Prior to any construction, sediment control measures must be installed.
3. Howard Soil Conservation District must be notified 24 hours prior to the beginning of any construction.
4. All sediment control facilities and measures shall remain in place until removal is approved by Howard Soil Conservation District.
5. Sediment control is required during construction by means of sumps, berms, or ditches to provide surface retention. Seeding, sodding, planting or other approved surface treatment must be completed as soon as possible during the construction cycle.
6. Periodic inspection and maintenance shall be provided for all sediment control measures.

B) All slopes shall be 3:1 Maximum.
C) All Roof Drains and Downspouts shall be piped to Storm Drain System or Suitable Outfall.

INLET CAPS SHALL BE USED ON ALL INLETS

INLET CAP DETAIL

APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE 7/14/71

Richard P. Browne

"VILLAGE OF LONGREACH"
SECTION 1, AREA 1
PARCEL "C"

BENTALA EAST
IN THE VILLAGE OF LONGREACH
COLUMBIA, MD.
DRAINAGE AREA & SEDIMENT CONTROL PLAN
6TH ELECTION DISTRICT

RICHARD P. BROWNE ASSOCIATES
Columbia, Maryland

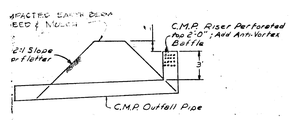
ENGINEERS PLANNERS ARCHITECTS
Wayne, New Jersey

JOB NO. 283-70
DATE 6-14-71

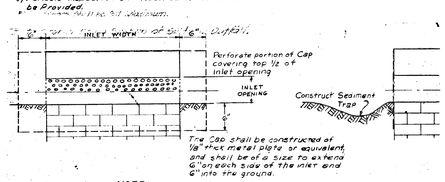
S-1
S.D.P. 71-103-C

Cohen Haft and Associates Architects and Planners
A. Holtz Associate
Silver Spring, Maryland

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT	
COUNTY HEALTH OFFICER	DATE
APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING	
PLANNING DIRECTOR	DATE
CHIEF ENGINEER, DIVISION OF LAND DEVELOPMENT	DATE
APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS	
DIRECTOR	DATE
CHIEF, BUREAU OF HIGHWAYS	DATE



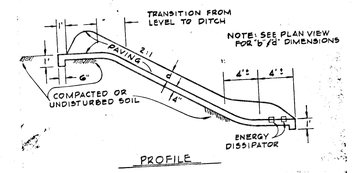
GENERAL NOTES
1) All Berms must be Machine Compacted
2) All Diversion Berms must have Positive Grades Draining to a Stabilized Outlet
3) Diverted Runoff will outlet onto a Stabilized Undisturbed Area.
4) Periodic Inspection and Required Maintenance will be Provided.



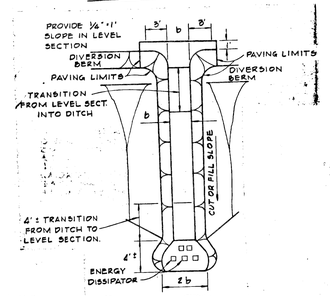
NOTE:
Sediment Trap shall be maintained and kept free of Sediment to insure efficient operation.
INLET CAPS SHALL BE USED ON ALL INLETS

INLET CAP DETAIL

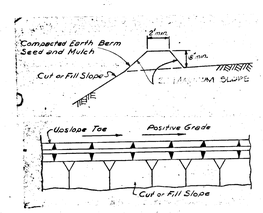
BENTANA EAST
IN THE VILLAGE OF LONGREACH
COLUMBIA, MD.
6TH ELECTION DISTRICT
SCALE 1"=50'

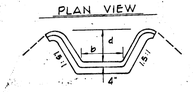


PROFILE



PLAN VIEW





STANDARD CHANNEL CROSS-SECTION

GRADE STABILIZATION STRUCTURE

NOT TO SCALE