

16-OCTOBER-2016

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 44240, EXP. DATE AUGUST 14, 2017.

ANDREW FERRARI, P.E.
 C.S. DAVIDSON, INC.
 717-846-4805

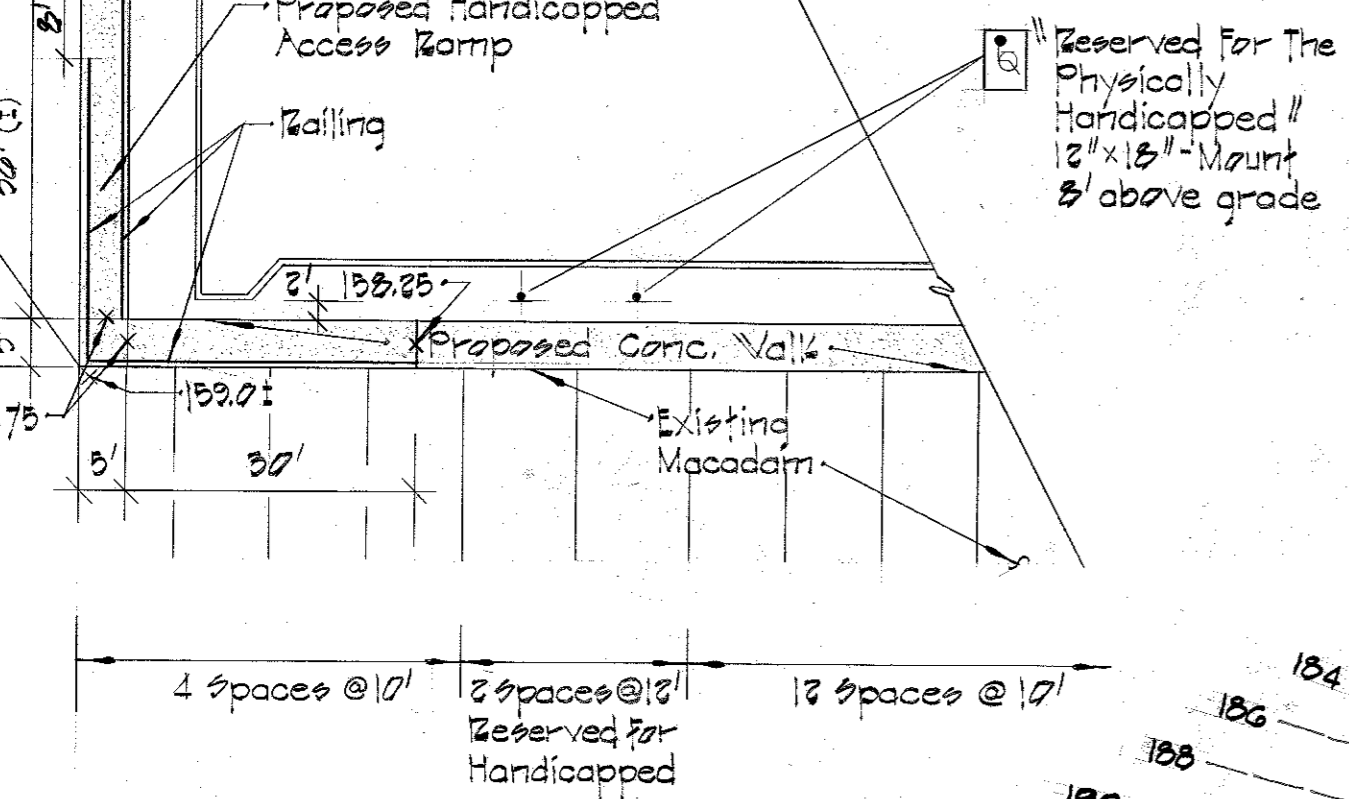
- GENERAL NOTES:**
- Total area of property - 2.875 Ac.±
 - Area within limits of submission - 2.875 Ac.±
 - Present zoning - M-1
 - Drawing and page numbers shown hereon are referenced to the Howard County Zoning Construction Code and Standard Specifications dated Aug. 1988.
 - The location of existing utilities shown hereon is based on the latest available information. The contractor shall determine the exact location before making any connections.
 - The contractor shall notify "Miss Utility" (1-800-998-2648) at least 3 days prior to beginning and work shown hereon.
 - All workmanship shall be in accordance with the Howard County Zoning Construction Code unless otherwise indicated.

- SITE ANALYSIS:**
- Total area within limits of submission - 2.875 Ac.± (includes future expansion)
 - Total disturbed area - 5.02 Ac.± (includes future expansion)
 - Total paved area - 2.24 Ac.±
 - Total area to be revegetated - 0.72 Ac.±
 - Street parking data: (includes future expansion)
 - Existing warehouse area - 71,000 sq. ft.
 - Proposed warehouse area - 59,400 sq. ft.
 - Total warehouse area - 130,400 sq. ft.
 - Warehouse parking required 1/500 sq. ft. = 261 spaces
 - Existing office area - 9,000 sq. ft.
 - Proposed office area - 18,200 sq. ft.
 - No. of office employees - 40
 - Office parking required 7/10 employees = 28 spaces
 - Total spaces required - 289 spaces
 - Total spaces provided - 282 spaces
 - Deed references - 453/193
 - Open space - 39%
 - Handicapped parking provided for office only
 - No. of spaces required - 2
 - No. of spaces provided - 2

APPROVED
 DIVISION OF LAND DEVELOPMENT
 HOWARD COUNTY, MARYLAND
 DATE 12-6-79

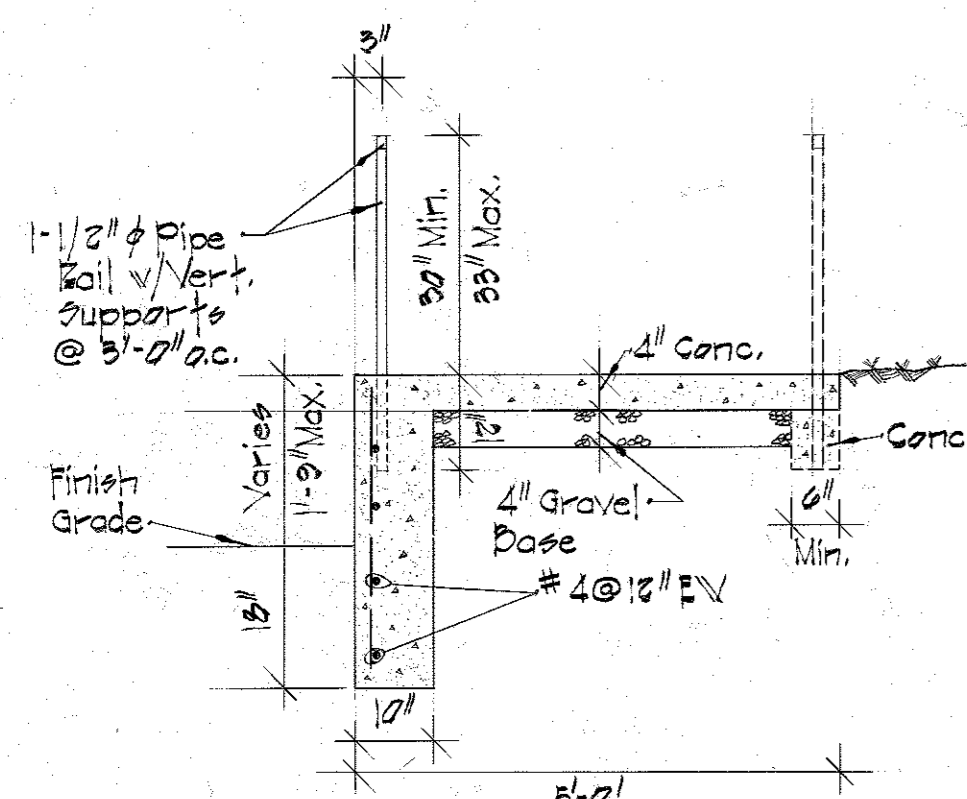
OWNER & DEVELOPER:
 Tate Architectural Products, Inc.
 7510 Montevideo Rd.
 Jessup, Maryland 20794

BLDG. ADDITIONS TO APPROVED SDP 73-71



PLAN - HANDICAPPED ACCESS RAMP
 Scale: 1" = 20'

BALTIMORE AIRCOIL COMPANY, INC.
 533 / 444



TYPICAL SECTION HANDICAPPED ACCESS RAMP
 Not to scale

SEDIMENT AND SOIL EROSION CONTROL
 REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.
 J. Helm 12-31-79
 SIGNATURE - U.S. SOIL CONSERVATION SERVICE DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 APPROVED: Robert W. Zehn 12-31-79
 HOWARD SOIL CONSERVATION DISTRICT DATE

DEVELOPER
 THIS IS TO CERTIFY THAT ALL DEVELOPMENT AND OR CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND TO 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] 10/31/1979
 SIGNATURE DATE

REVISION Δ - 10/16/16 - County Comments

SEDIMENT TRAP #1 DATA
 Drainage Area = 2.72 Ac.
 Trap Dimensions = 26'5" x 26'5" x 4'
 Storage Required = 4896 c.f.
 Storage Provided = 5017 c.f.
 Cleanout Elev. = 160.00
 Top Embankment = 163.00
 Bottom Elev. = 158.00

Vehicular ingress & egress along Montevideo Road restricted except at existing entrances

PURDUM & JESCHKE
 CONSULTING ENGINEERS
 LAND SURVEYORS
 1023 North Calvert Street
 Baltimore, Maryland 21202 301/837-0194

APPROVED FOR PUBLIC WATER, PUBLIC ROADS, STORM DRAINAGE SYSTEMS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 [Signature] 1-21-80
 DIRECTOR DATE

[Signature] 1-21-81
 CHIEF, BUREAU OF ENGINEERING DATE

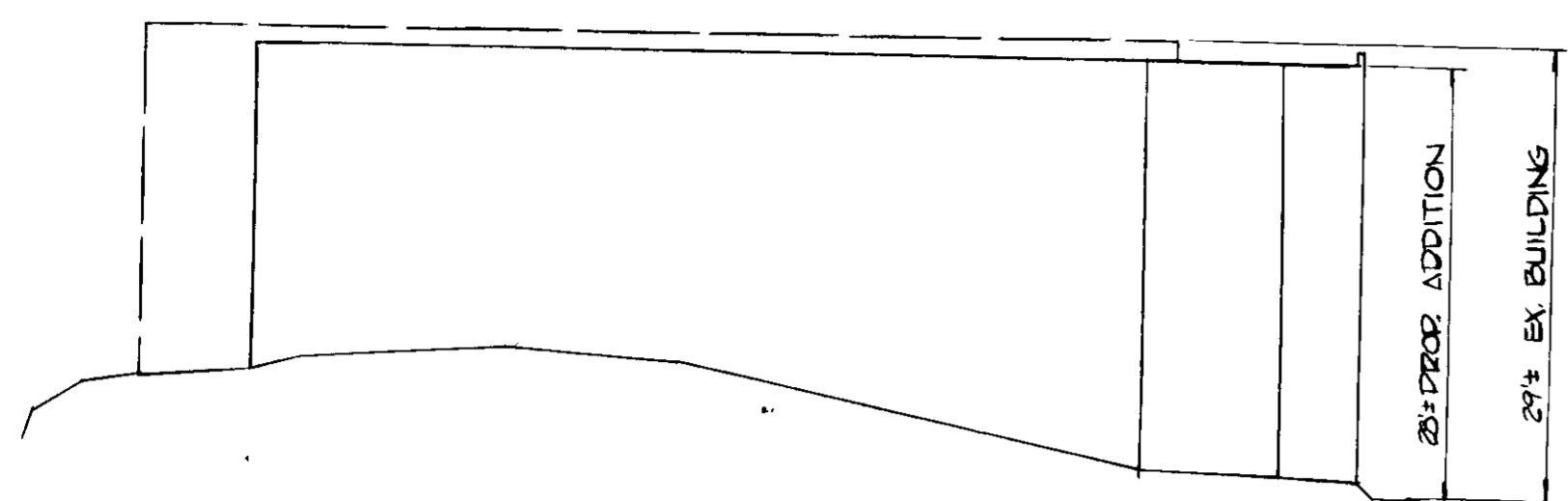
APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING
 [Signature] 1-22-80
 PLANNING DIRECTOR DATE

[Signature] 1-22-80
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE

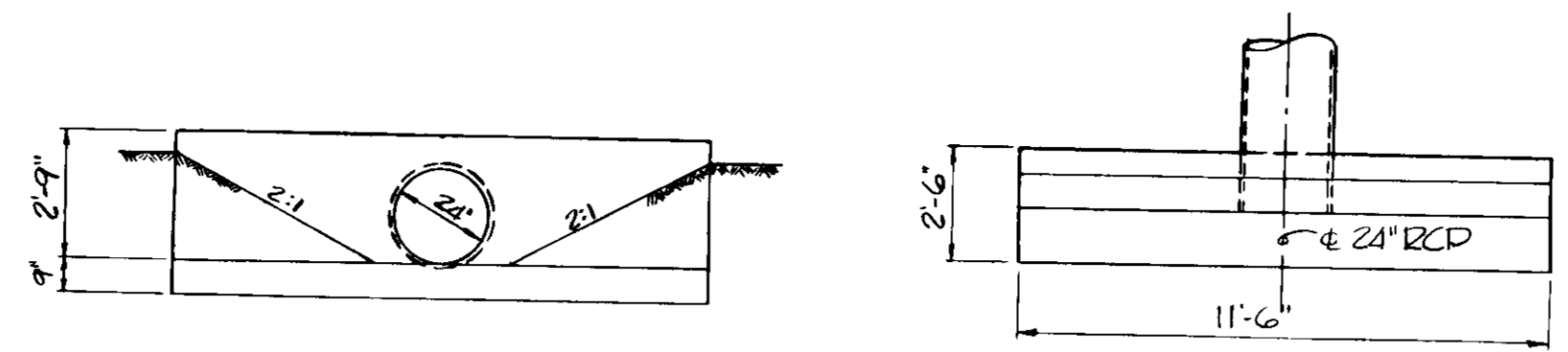
APPROVED FOR PUBLIC WATER AND PRIVATE SEWERAGE SYSTEMS,
 HOWARD COUNTY HEALTH DEPARTMENT
 [Signature] 1-7-80
 COUNTY HEALTH OFFICER DATE

PROFESSIONAL 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] 9/4/79
 WILLIAM G. RASCH REG. NO. 4575 DATE

SITE DEVELOPMENT PLAN
 TATE ARCHITECTURAL PRODUCTS
 1ST ELECTION DISTRICT HOWARD CO. MD
 PARCEL G26 TAX MAP 43
 AUG. 27, 1979 SCALE: AS SHOWN SHEET 1 OF 3
 SDP-79-164



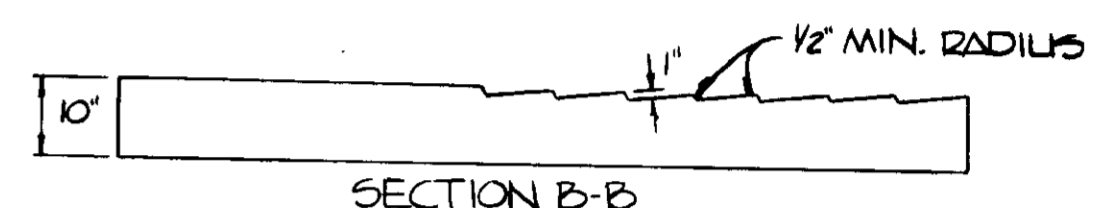
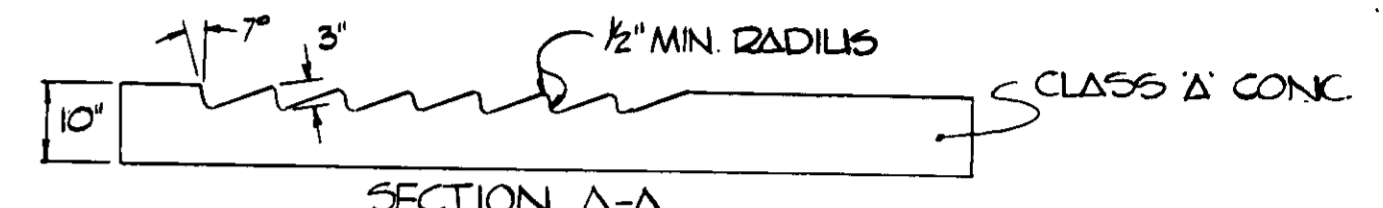
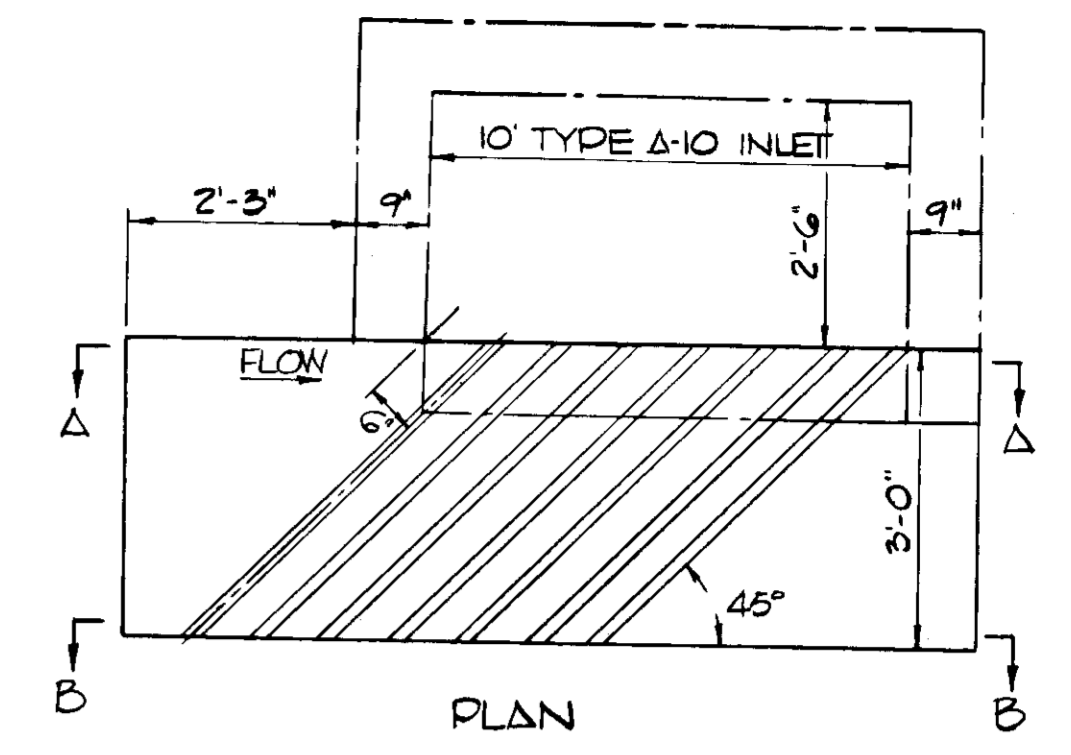
SCHEMATIC BUILDING PROFILE
NO SCALE



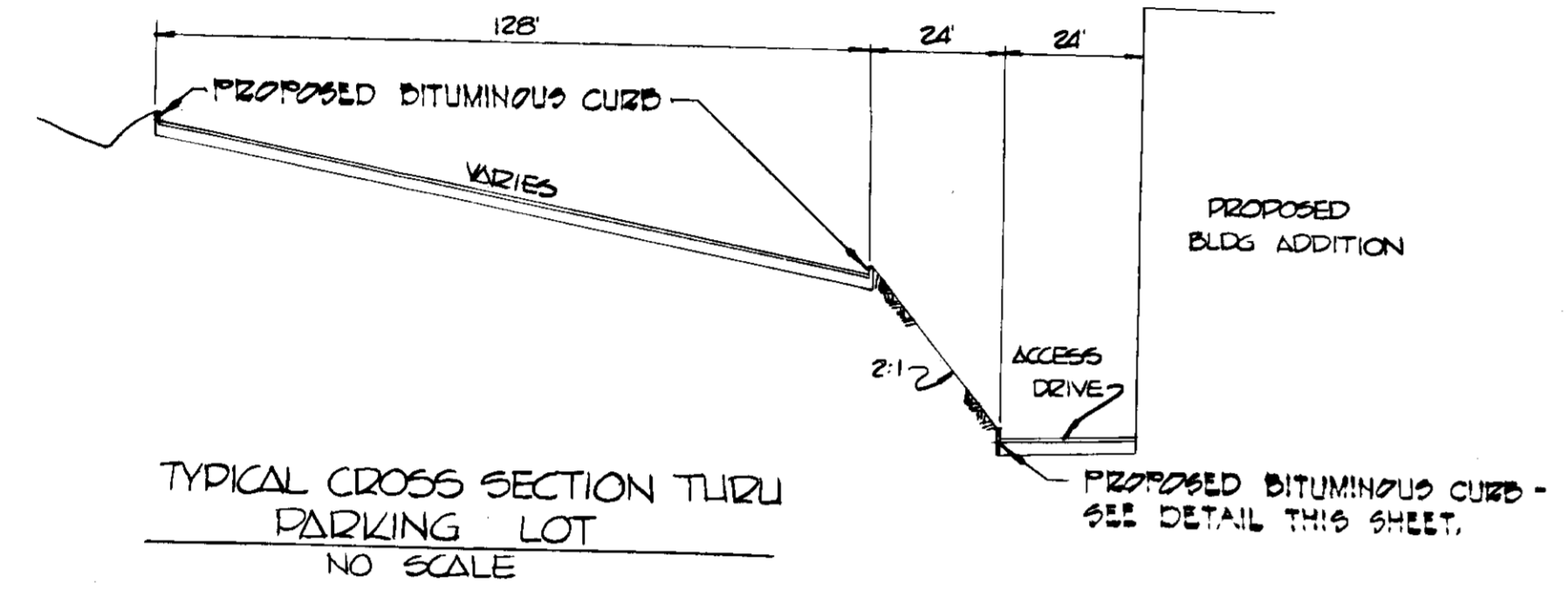
ELEVATION PLAN

STANDARD TYPE 'C' ENDWALL
NO SCALE

APPROVED
DIVISION OF LAND DEVELOPMENT
HOWARD COUNTY, MARYLAND
DATE 12-6-79
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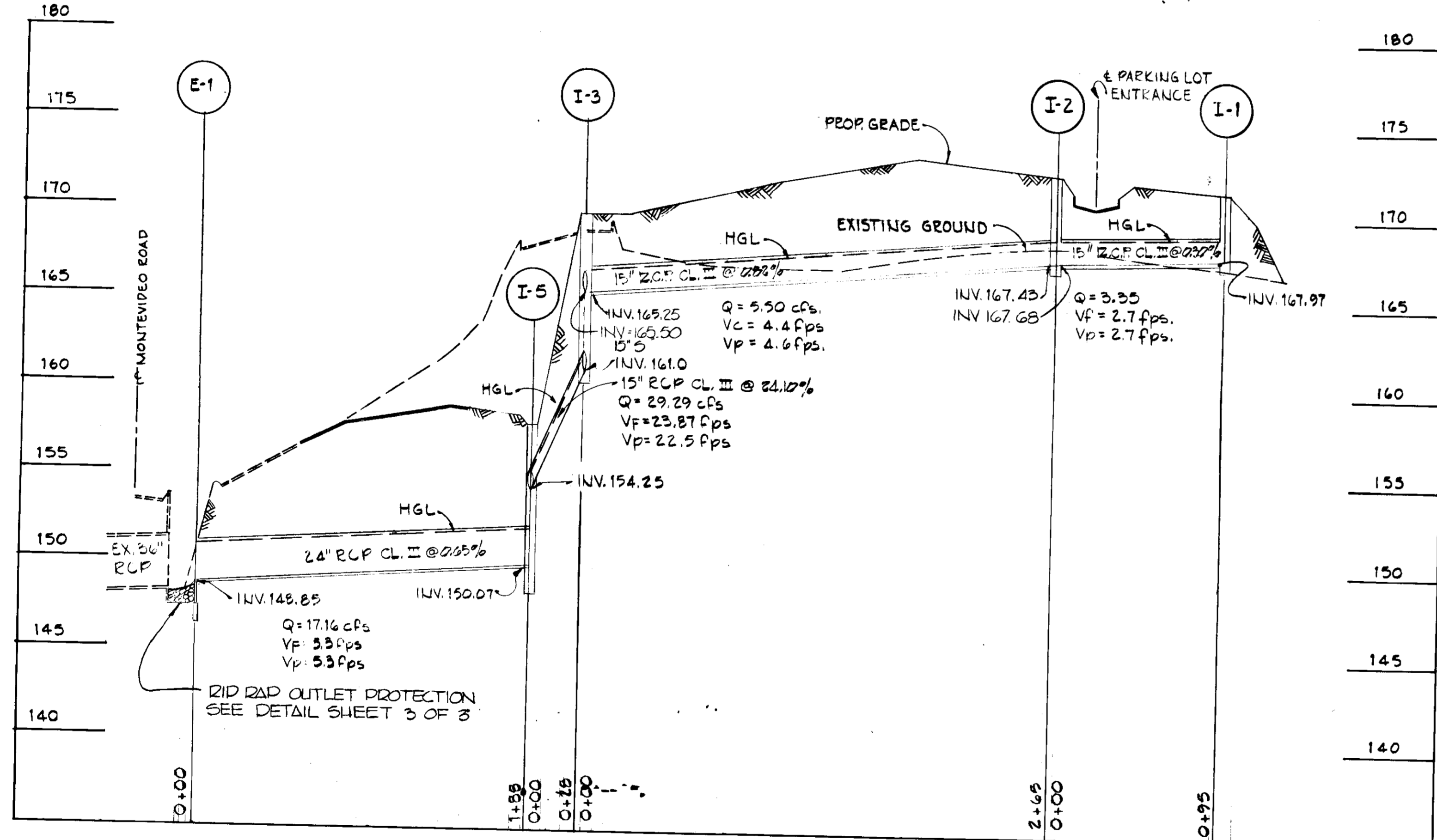
CURB TYPE A-10 INLET WITH DEFLECTOR
NO SCALE



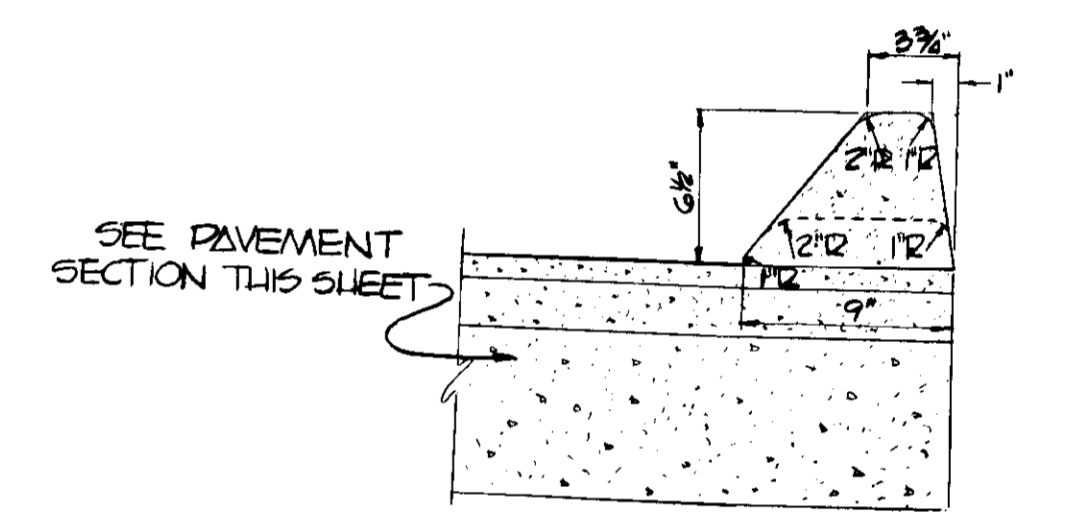
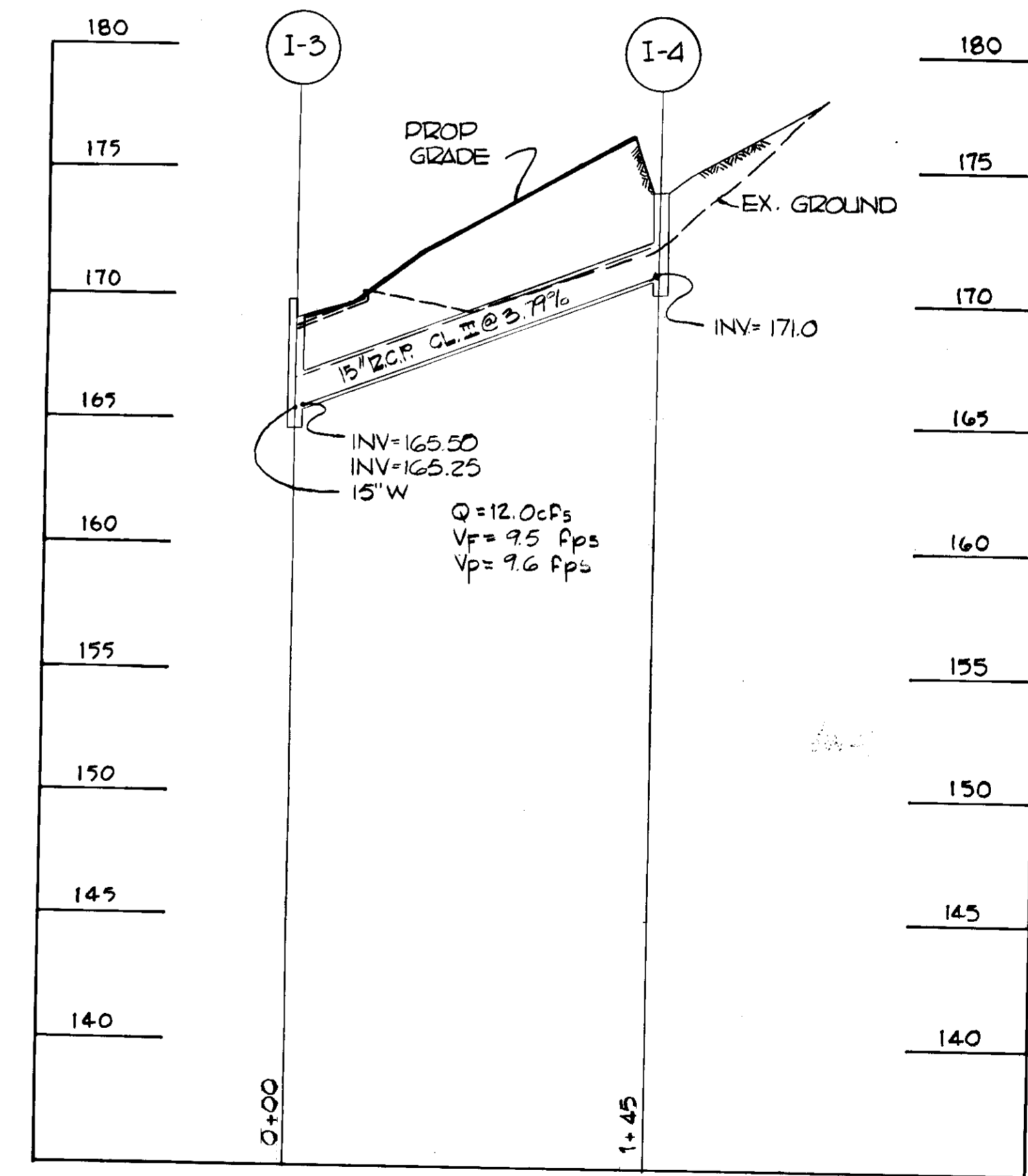
TYPICAL CROSS SECTION THRU
PARKING LOT
NO SCALE

- 1" BITUMINOUS CONC. SURFACE BAND C-3
- 2 1/2" BIT. CONC. BINDER BAND C-2
- 7" CRUSHER RUN BASE 1 COURSE
- 1 1/2" BITUMINOUS CONC. SURFACE BAND C-3
- 3" BITUMINOUS CONC. BINDER BAND C-2
- 9" CRUSHER RUN BASE - 2 COURSE

PAVING SECTION FOR PARKING LOT AREA PAVING SECTION FOR ENTRANCE AND ACCESS DRIVE



STORM DRAIN PROFILE
Scale: Horiz. 1"=50'
Vert. 1"=5'



MOUNTABLE CURB DETAIL
NO SCALE

STRUCTURE SCHEDULE					
NO.	TYPE	INV. IN	INV. OUT	TOP EL.	REMARKS
I-1	A-5	-	167.97	171.60	STD. DWG. GA-A, PG. 119-A
I-2	A-5	167.68	167.43	172.50	STD. DWG. GA-A, PG. 119-A
I-3	A-10*	165.50	161.0	169.80	STD. DWG. GA-A, PG. 119-A
I-4	S	-	171.0	174.50	STD. DWG. D-98, PG. 159
I-5	A-5	154.25	150.07	158.0	STD. DWG. GA-A, PG. 119-A
E-1	STD. TYPE 'C' ENDWALL	-	148.85	151.60	STD. DWG. D-98, PG. 107

* WITH DEFLECTORS

OWNER & DEVELOPER:
TATE ARCHITECTURAL PRODUCTS
7910 MONTEVIDEO ROAD
JESSUP MARYLAND 20794

PURDUM & JESCHKE
CONSULTING ENGINEERS
LAND SURVEYORS
1023 North Calvert Street
Baltimore, Maryland 21202 301/837-0194

APPROVED: FOR PUBLIC WATER, PUBLIC ROADS
STORM DRAINAGE SYSTEMS
HOWARD COUNTY DEPARTMENT OF
PUBLIC WORKS.
John F. Neumeier 1-21-80
DIRECTOR DATE
W.D. Lohr 1-21-80
CHIEF, BUREAU OF ENGINEERING DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING
AND ZONING.
Thomas J. Amist 1-22-80
PLANNING DIRECTOR DATE
William H. ... 1-22-80
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

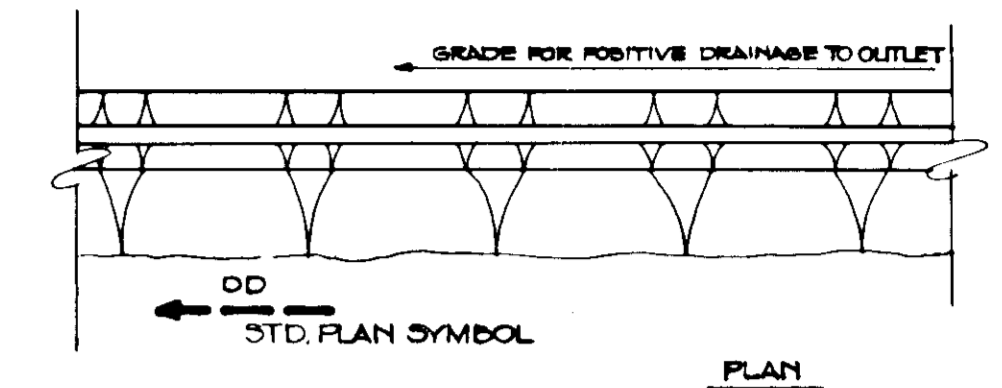
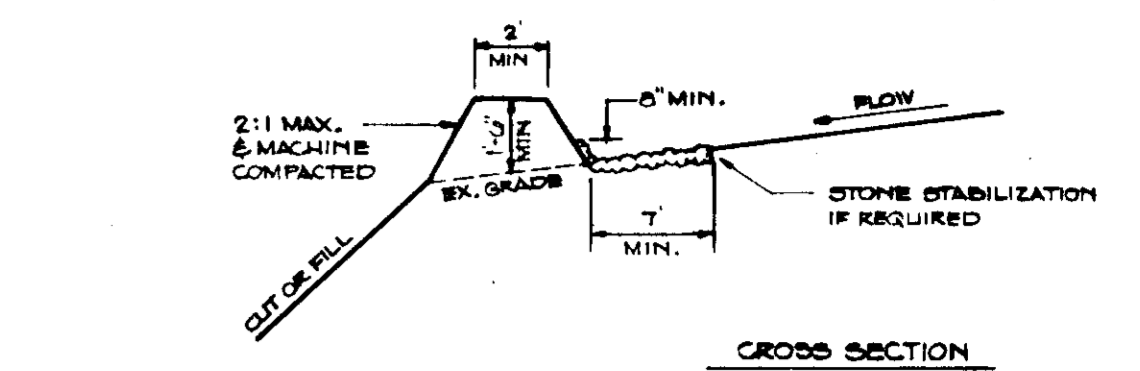
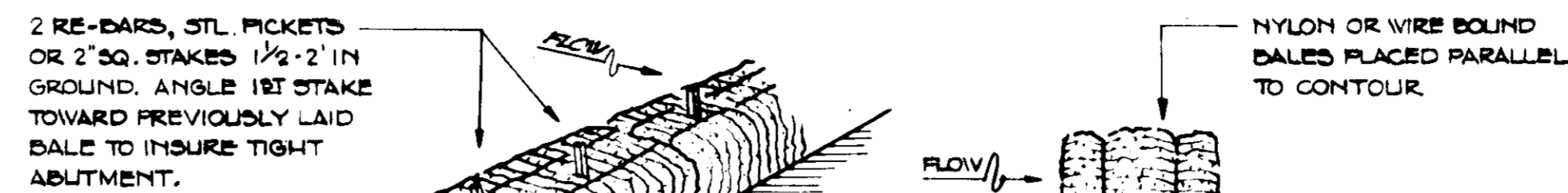
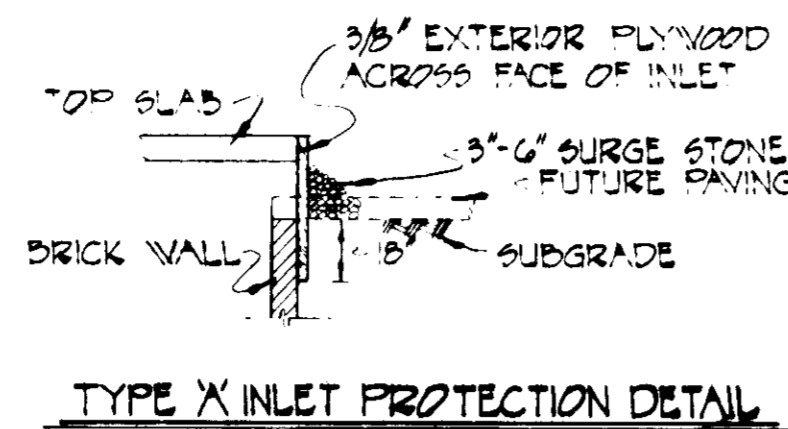
APPROVED: FOR PUBLIC WATER AND PRIVATE
SEWERAGE SYSTEMS, HOWARD COUNTY
HEALTH DEPARTMENT.
Joseph ... 1-9-80
COUNTY HEALTH OFFICER DATE

BLDG. ADDITION TO APPROVED SDF 73-71

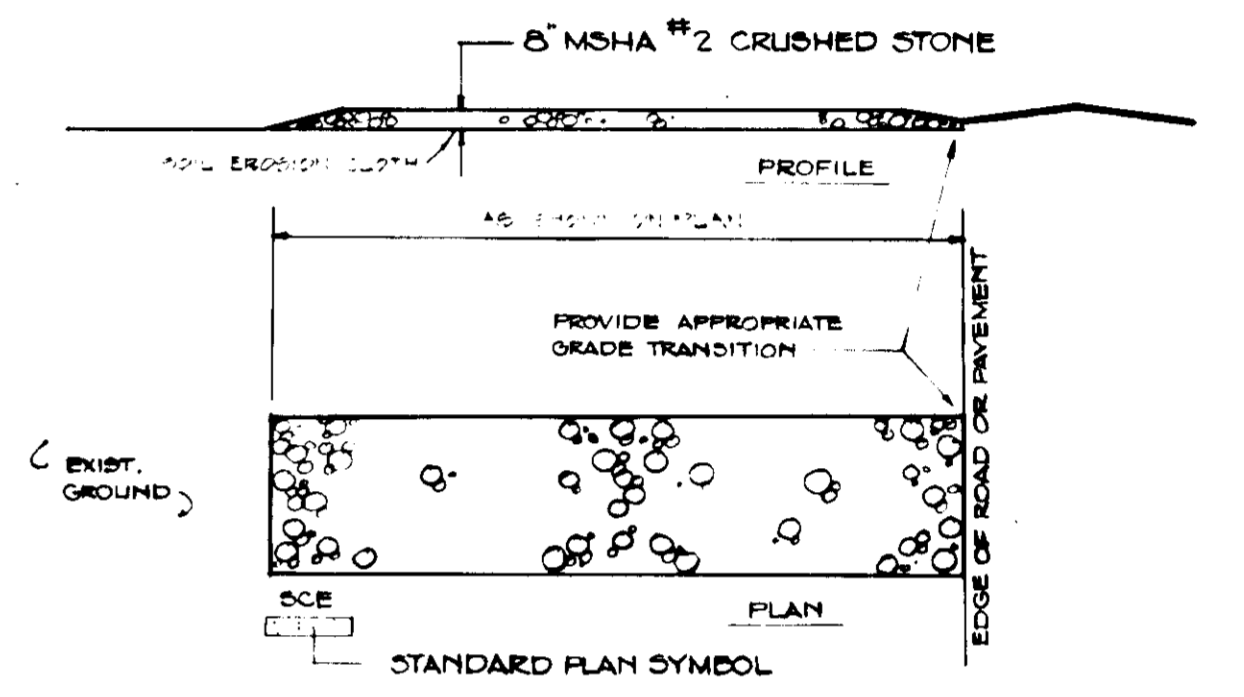
STORM DRAIN PROFILES
AND DETAILS
TATE ARCHITECTURAL PRODUCTS
1ST ELECTION DISTRICT
PARCEL 626
AUG. 30, 1979
HOWARD CO., MD
TAX MAP 45
SCALE: AS SHOWN

SEDIMENT CONTROL NOTES

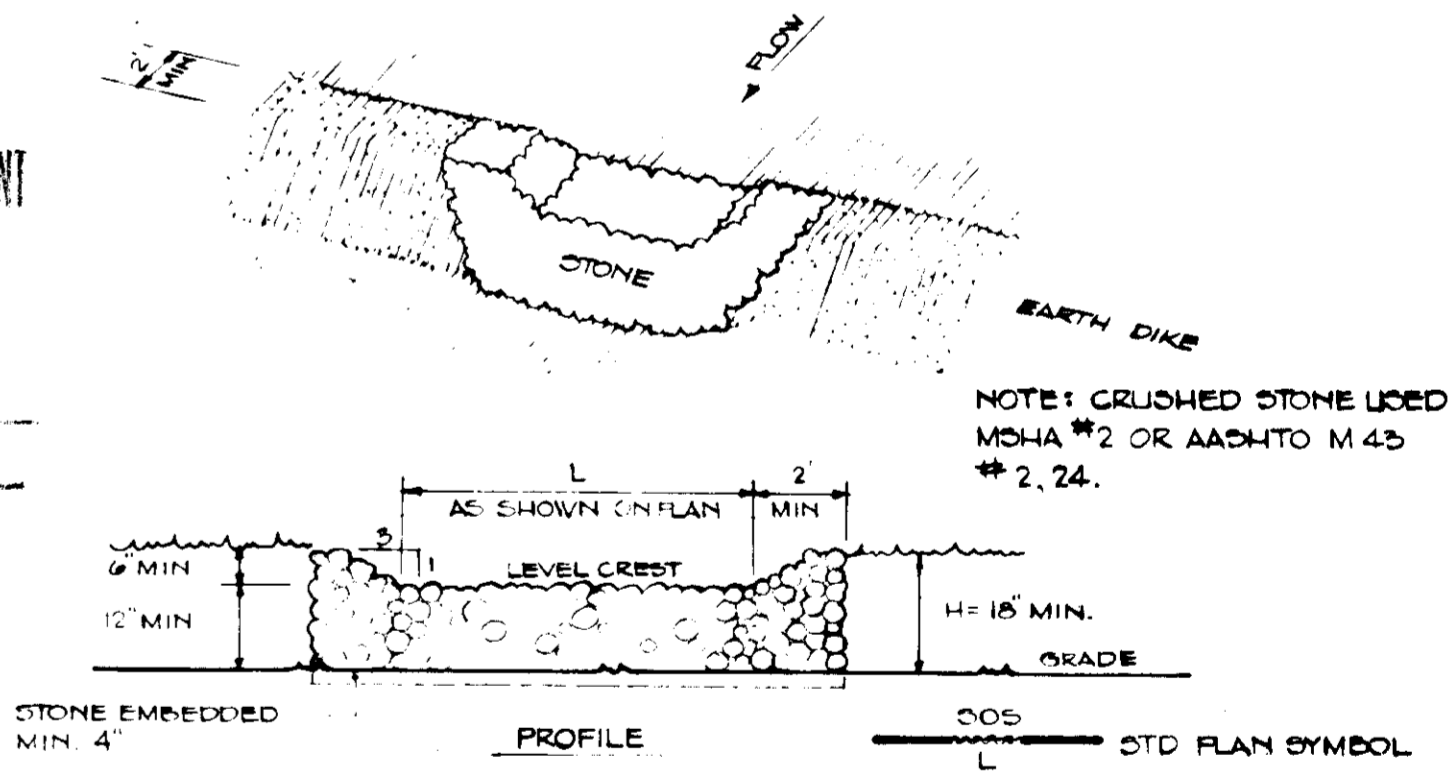
- Specifications for the Sediment Control Details shown hereon are included in the U.S.D.A. Soil Conservation Service "Standards and Specifications for soil erosion and sediment control in developing areas."
- The developer shall notify the Howard County Office of Inspection and Permits at least 24 hours prior to beginning any construction shown hereon (992-2435 or 992-2436).
- All sediment control structures to remain in place until permission for their removal has been obtained from the Howard County Office of Inspection and Permits (992-2435 or 992-2436).
- All graded areas shall be stabilized in accordance with the following requirements:
 - Site Preparation:
 - Harrow or disc the areas to be seeded with the following materials at the specified rate to a depth of 3":
 - Pulverized limestone at 1 1/2 tons/acre.
 - Commercial fertilizer 10-10-10 at 3/4 tons/acre.
 - Super phosphate at 600 lbs./acre.
 - Seeding:
 - Sow the following seed mixture at the specified rate with a mechanical spreader:
 - Temporary - Italian or Perennial Ryegrass. (1lb/1000 sq. ft.)
 - Permanent - (Slopes flatter than 3:1) - Common Kentucky Bluegrass 40%
 Merion Bluegrass 40%
 Red Fescue 20% (3 lb/1000 sq. ft.)
 Slopes steeper than 3:1 - Ground Cover
 - The seeded area shall be raked with a York Rake (minimum of 2 passes), covered and compacted with a cultipacker or other approved method.
 - Mulching:
 - Seeded areas shall be uniformly mulched immediately after seeding with unweathered small grain straw at the rate of 1 1/2 to 2 tons/acre.
 - Tie mulch down with liquid asphalt at 0.1 gal./s.y. or emulsified asphalt at 0.04 gal./s.y.
 - Soeding:
 - Apply 10-10-10 fertilizer at 1000 lbs./acre. (25 lbs./1000 s.f.)
 - Apply ground agricultural limestone at 2000 lbs./acre. (50 lbs./1000 s.f.)
 - Incorporate both lime and fertilizer into soil by discing. Firm up after incorporation.
 - Lay sod to a tight fit. Roll to insure contact with underlying soil. Water as necessary for first two weeks (in summer) to insure establishment.
 - Ground Cover:
 - Crown vetch (innoculated) at 15 lbs./acre, and Kentucky 31 Tall Fescue (certified) at 40 lbs./acre. (2:1 maximum slope)
 - The contractor shall place plywood braced with sand bags at the inlet end of unfinished drain pipes at the end of each work day.
 - All stockpiles shall be protected with straw bale dikes, silt fences, or other approved sediment control devices.



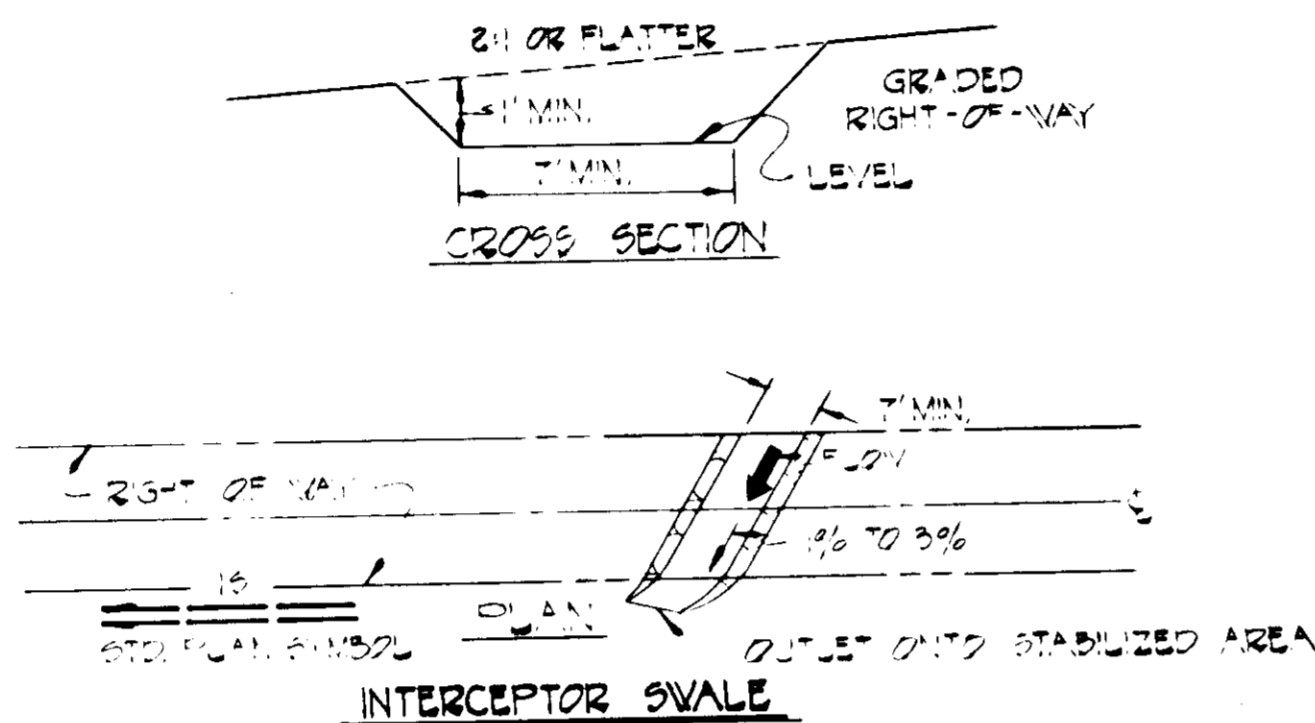
- All dikes shall be machine compacted and shall have positive drainage to an outlet.
- Diverted runoff from an undisturbed or stabilized area shall outlet to an undisturbed or stabilized area.
- Diverted runoff from a disturbed area shall outfall into an area protected by a sediment control device.
- Stabilization shall be as specified in Sediment Control Notes.
- Stone if required as shown on the plan shall have MSHA No. 2 placed in a 3" thick layer and pressed into the soil.



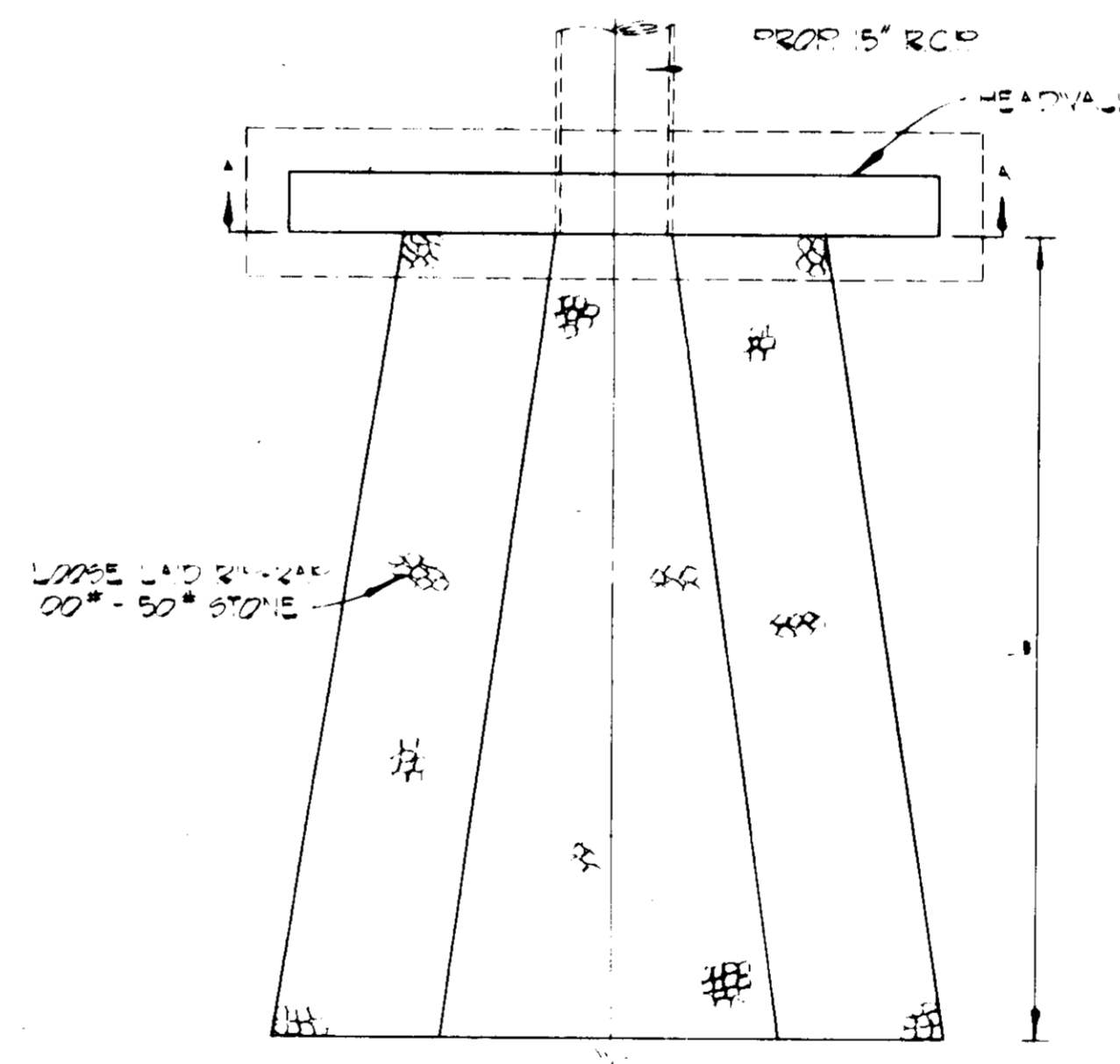
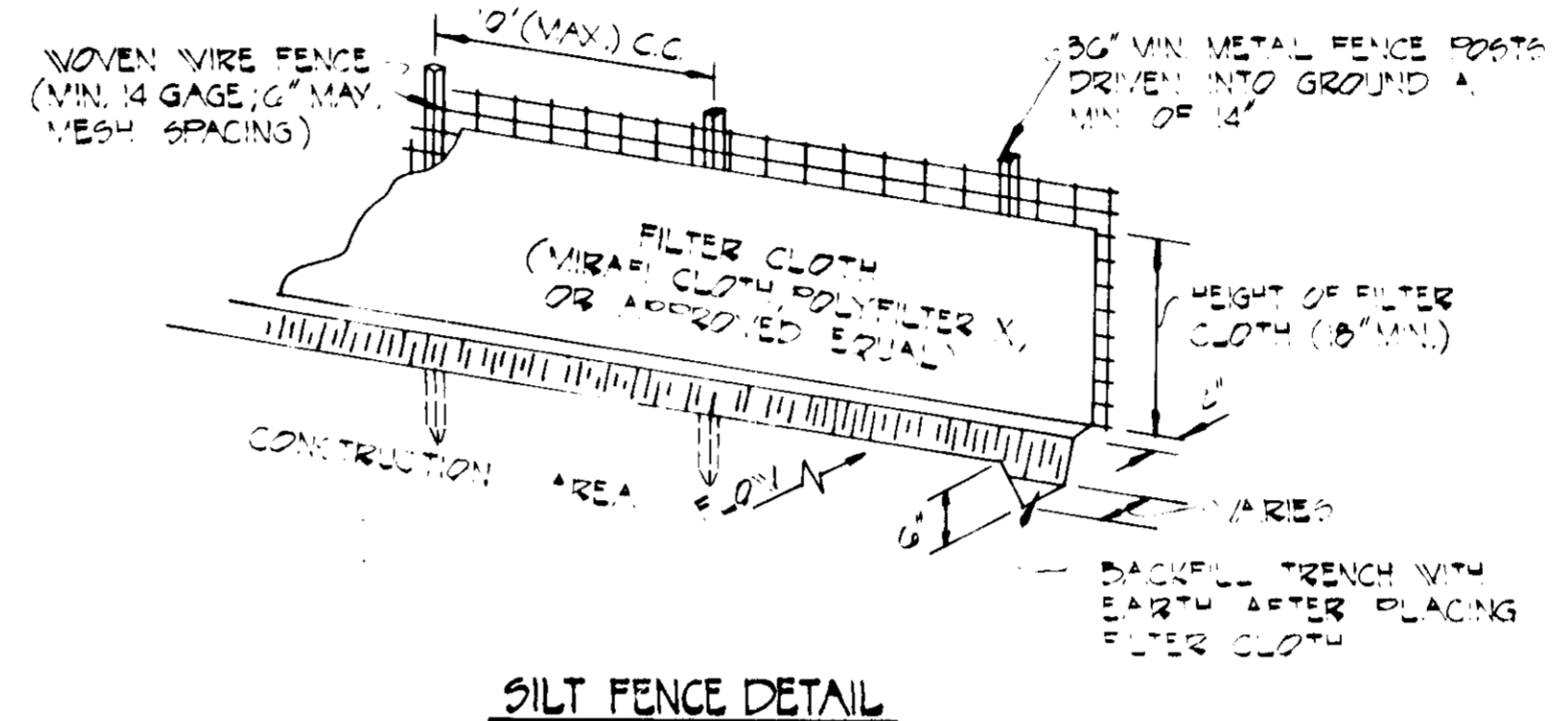
- Stone size - MSHA No. 2 or AASHTO designation M43 size No. 2.
- Place stone on soil erosion cloth for its entire width and length.
- When necessary, wheels shall be washed to remove sediment prior to entering public road.



- Area under embankment shall be cleared, grubbed, and stripped of vegetation and root mat. Trap area shall be cleared.
- Embankment material shall be free of roots, large stones, rocks, organic or other objectionable material. Compact with construction equipment.
- All cut or fill slopes shall be 2:1 or flatter.
- Crushed stone shall meet AASHTO designation M43, Size No. 2 or 24 (MSHA No. 2). Gravel may be used, crusher-run is unacceptable.
- Clean out when sediment has reached the elevation noted.



- All trees, brush, stumps, and other objectionable material shall be removed.
- Swale shall be excavated or shaped to line, grade and cross section.
- Swale shall have a minimum grade of 1 percent and the bottom shall be level.
- Run off shall be diverted to a sediment control device.
- Stabilization shall be in accordance with the Sediment Control Notes. Stone if required as shown on plan shall be MSHA No. 2 placed in a layer at least 3 inches in thickness. It shall extend across the bottom and up both sides of the channel at least 8 inches.



APPROVED
DIVISION OF LAND DEVELOPMENT
HOWARD COUNTY, MARYLAND
DATE 12-6-79
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CONSTRUCTION SEQUENCE

- THE DEVELOPER SHALL NOTIFY THE HOWARD CO. OFFICE OF INSPECTIONS AND PERMITS AT LEAST 24 HOURS PRIOR TO BEGINNING ANY CONSTRUCTION SHOWN HEREON. (992-2435 OR 992-2436)
- REMOVE EXISTING CURBS & PLACE 18" CAP AND TEMPORARY PARKING LOT ENTRANCE
- CONSTRUCT STORM SYSTEM AS SHOWN HEREON.
- CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE AND ALL SEDIMENT CONTROL DEVICES AS SHOWN HEREON, STABILIZING SLOPES AND DIKES IN ACCORDANCE WITH SEDIMENT CONTROL NOTES.
- GRADE CONSTRUCTION SITE. INTERCEPTOR SWALES SHALL BE ADJUSTED TO MAINTAIN POSITIVE DRAINAGE AT ALL TIMES THROUGHOUT GRADING.
- BACKFILL INLETS 1, 2 & 3 AT SUBGRADE AND PLACE STRAW BALES AROUND INLETS 2 & 3 AT SUBGRADE ELEVATIONS
- CONSTRUCT BUILDING FOUNDATION AND CONC. CURB & GUTTER.
- PAVE AREAS INDICATED.
- TOPSOIL, SEED AND MULCH ALL UNIMPROVED AREAS WITH PERMANENT SEED MIXTURE.
- FINISH BLDG. ADDITIONS.
- ALL SEDIMENT CONTROL DEVICES ARE TO REMAIN IN PLACE UNTIL PERMISSION FOR THEIR REMOVAL IS OBTAINED FROM THE OFFICE OF INSPECTIONS AND PERMITS.

DEVELOPER
THIS IS TO CERTIFY THAT ALL DEVELOPMENT AND OR CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND TO 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: [Signature] DATE: 12/31/79

SEDIMENT AND SOIL EROSION CONTROL
REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.
Signature: [Signature] DATE: 12-31-79
APPROVED: [Signature] DATE: 12-31-79
HOWARD SOIL CONSERVATION DISTRICT

PURDUM & JESCHKE
CONSULTING ENGINEERS
LAND SURVEYORS
1023 North Calvert Street
Baltimore, Maryland 21202 301/837-0194

APPROVED: FOR PUBLIC WATER, PUBLIC ROADS, STORM DRAINAGE SYSTEMS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Signature: [Signature] DATE: 1-21-80
CHIEF, BUREAU OF ENGINEERING

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
Signature: [Signature] DATE: 1-22-80
PLANNING DIRECTOR
Signature: [Signature] DATE: 1-22-80
CHIEF, OFFICE OF LAND DEVELOPMENT

APPROVED: FOR PUBLIC WATER AND PRIVATE SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
Signature: [Signature] DATE: 1-9-80
COUNTY HEALTH OFFICER

PROFESSIONAL ENGINEER
I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PROJECT, PLAN AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT IS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.
Signature: [Signature] DATE: [Blank]

SEDIMENT CONTROL DETAILS
TATE ARCHITECTURAL PRODUCTS
1ST ELECTION DISTRICT
PARCEL 626
AUG. 30, 1979
HOWARD CO., MD
TAX MAP 43
SCALE AS SHOWN

SHEET 3 OF 3
SDP-79-164

BRUNING AND IMSEZ