

NOTES:
 1. SEE SHEET 1 OF 4 FOR TYPICAL PAVING SECTION & CROSS SECTION
 2. SEE SHEET 1 OF 4 FOR DETAIL OF STANDARD 7" COMBINATION CURB & GUTTER.

GENERAL NOTES

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH HOWARD COUNTY STANDARDS, SPECIFICATIONS AND DETAILS FOR CONSTRUCTION.
2. ALL UTILITY COMPANIES SHALL BE NOTIFIED 24 HOURS IN ADVANCE OF CONSTRUCTION.
3. ALL INLETS SHALL BE HOWARD COUNTY STANDARD UNLESS OTHERWISE NOTED.
4. ALL STREET CURB RETURNS SHALL HAVE 30 FT. RADII UNLESS OTHERWISE NOTED.
5. STORM DRAIN TRENCHES WITHIN ROAD RIGHTS-OF-WAY SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH HOWARD COUNTY ROAD CODE.
6. APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND TO MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED DUE TO CONTRACTOR'S OPERATIONS SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
7. THE CONTRACTOR SHALL TEST PIT EXISTING UTILITIES WHERE DIRECTED BY THE ENGINEER A MINIMUM OF TWO WEEKS IN ADVANCE OF ANY CONSTRUCTION.
8. TEMPORARY COMPACTED 18" HIGH EARTH FILL DIVERSION Dikes SHALL BE CONSTRUCTED ABOVE THE LPS OF FILL SLOPES ON THE R.O.W. CONCURRENTLY WITH THE INITIAL GRADING AND DIRECTED TO UNDISTURBED SOD AREAS AT THE END OF EACH DAY.
9. CONTRACTOR TO NOTIFY THE HOWARD COUNTY DEPT. OF INSPECTIONS AND PERMITS AT LEAST 3 DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS. PHONE # 992-2436.
10. ALL DISTURBED SLOPE AREAS TO BE STABILIZED AS SOON AS GRADING IS COMPLETED.
11. ALL REINFORCED CONCRETE FOR STORM DRAIN STRUCTURES SHALL HAVE A MIN. OF 28 DAYS STRENGTH OF 3500 P.S.I.
12. ALL SWALES AND SLOPES SHALL BE PERMANENTLY SEEDED.
13. TRAFFIC CONTROL DEVICES AND THEIR INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES 1973, REVISED EDITION.
14. STABLEMENA (FILTER CLOTH T-100) OR EQUAL SHALL BE PLACED UNDER ALL STONE R.P.-RAP (FULL WIDTH AND LENGTH OF STONE 1

STREET TREES

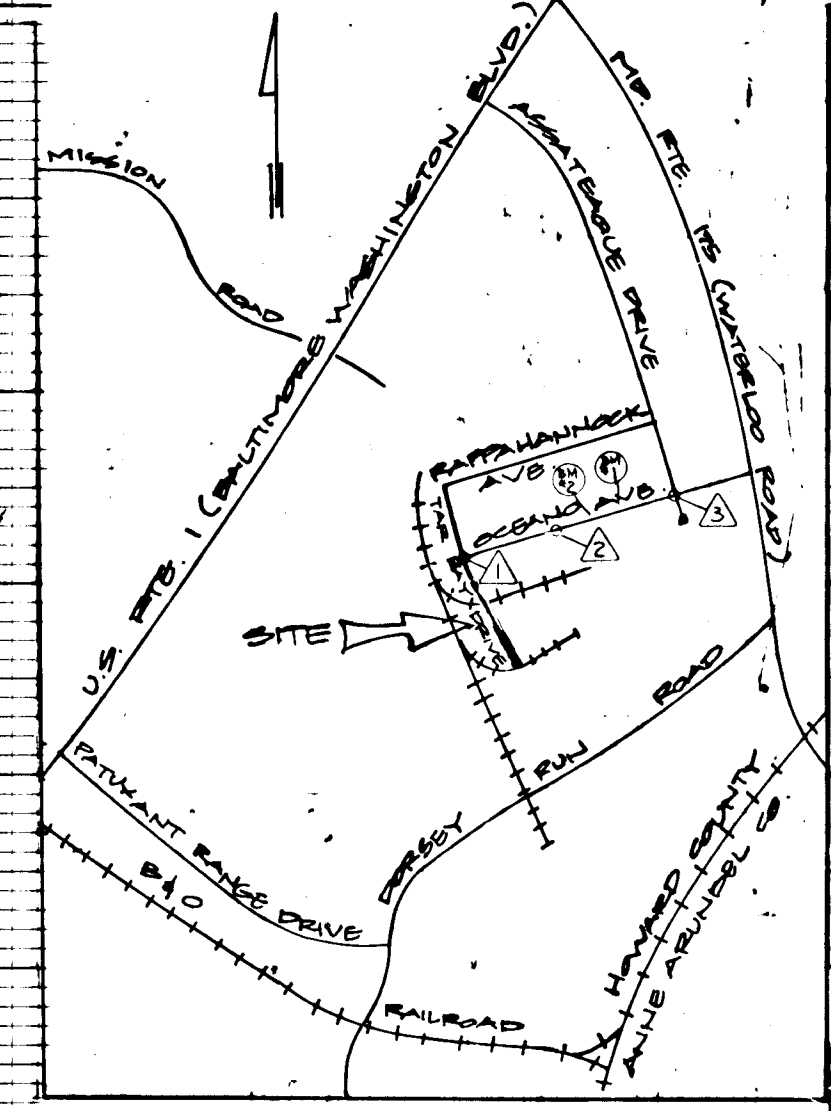
SHOWN THUS:

Qty	BOTANICAL/COMMON NAME	SIZE	REMARKS
32	ACER SACCHARUM	13'-15" H.	BIB FULL
	SUGAR MAPLE	24'-3" Cal.	

TREES SHALL BE PLANTED 3' INSIDE RAW LINE AND NO CLOSER THAN 5' FROM UNDERGROUND UTILITY.

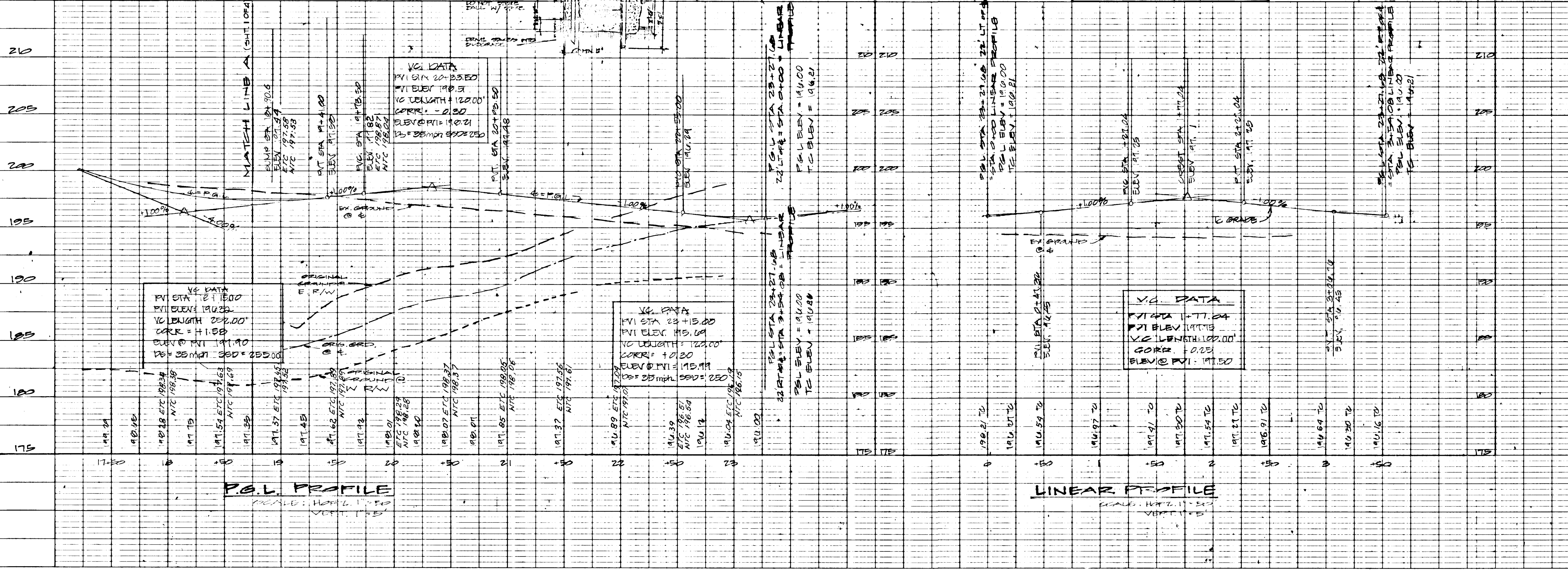
OFFICE OF PLANNING & ZONING
Joseph R. Ruff 5/16/88
 PLANNING AND LAND DEVELOPMENT

RECOVERY SKETCH



VICINITY MAP
SCALE: 1" = 2000'

- BENCH MARK LOCATIONS**
1. X-CUT IN HYDRANT HOLD-DOWN BOLT 15'-00" OCEANO AVE. ELEV. 232.53
 2. X-CUT @ 24'-25" LT. E 19'-00" OCEANO AVE. ELEV. 218.75
- HORIZONTAL CONTROL**
1. NAIL CAP SET @ INTERSECTION OF OCEANO AVE AND TARBAY DRIVE (OCEANO AVE @ STA 28+80.50) (N481 895.06Z E853 736.718)
 2. NAIL CAP SET @ OCEANO AVE 530.58' EAST OF OCEANO AVE. @ STA 19+00.00 (N482 129.817, E 860.638.784)
 3. NAIL CAP SET @ INTERSECTION OF OCEANO AVE AND ASSATEAGUE DR. (OCEANO AVE @ STA 5+20.58) (482 460.055, E 862 028.031)



DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY
 PLANNING, LAND DEVELOPMENT DIVISION
 JOHN E. BUREAU, CHIEF ENGINEER
 FRANCIS W. WELLS, CHIEF BUREAU OF HIGHWAYS

ENGINEER
GEORGE W. STEPHENS JR. & ASSOCIATES
 303 AUBURN AVE.
 TOWSON, MARYLAND 21286
 301-225-0120

DES: W.Z.	DATE: 7-20-87
DRN: J.B./D.L.	BY: NO
CHK: J.S./W.Z.	NO
DATE: 7-20-87	REVISION

PLAN & PROFILE

DATE: 600 SCALE MAP NO. 43 BLOCK NO. 20 & 21

MARYLAND WHOLESALE FOOD CENTER
 (FROM STA. 10+15.00 SOUTHERLY)
TARBAY DRIVE

HOWARD COUNTY, MD ELECTION DISTRICT # C
 SCALE: AS SHOWN JULY, 20 1987

SCALE AS SHOWN
 SHEET 1 OF 5

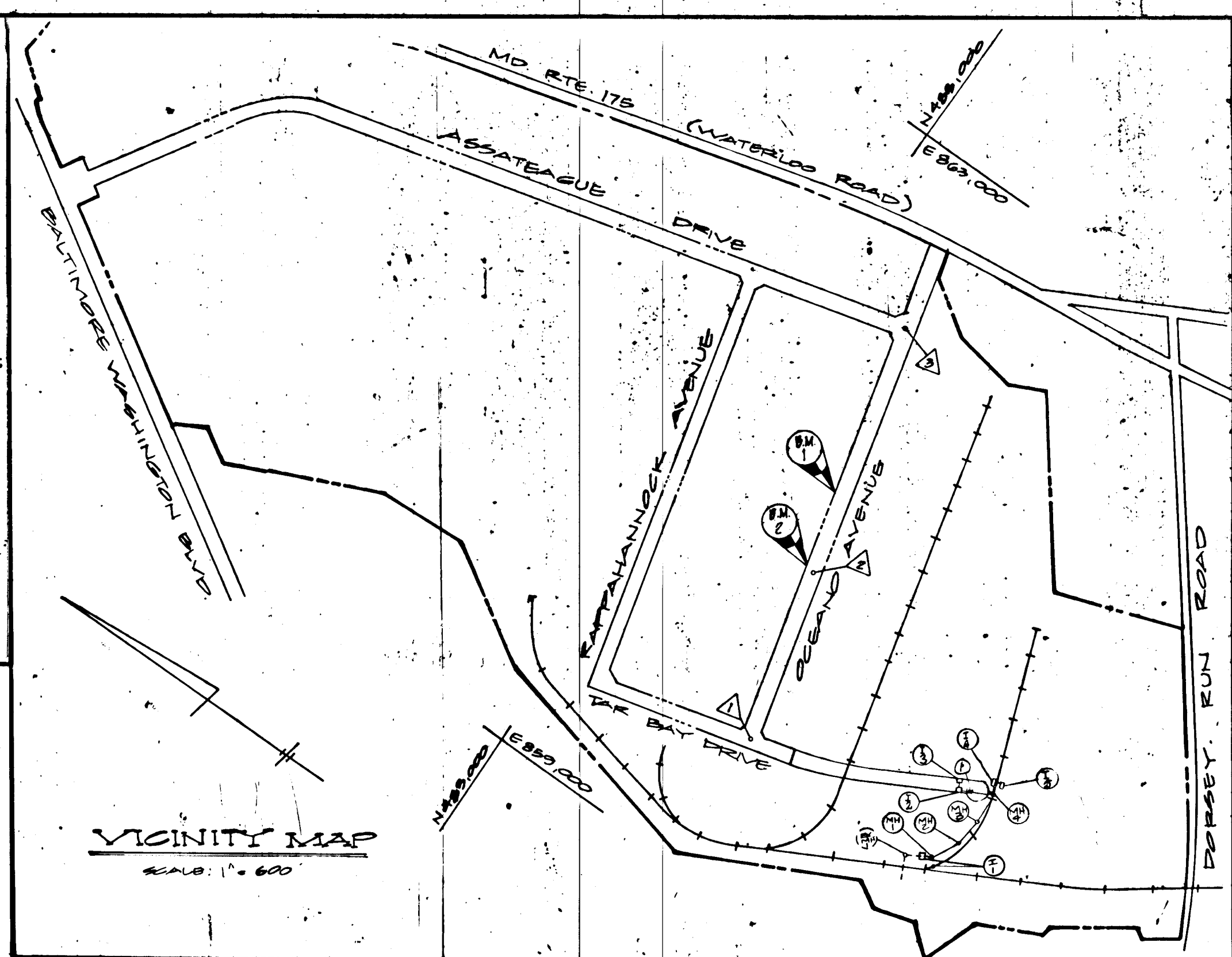
WATER QUALITY STRUCTURES

DESIGN AND GENERAL NOTES

- Use poured-in place concrete for the entire structure.
 - Refer to Maryland State Highway Administration for materials and methods of construction.
 - Wall thickness shall be as follows:
Minimum 6 inches thick for the first 8'-0" of depth, 12 inch thick walls between 8'-0" and 12'-0" of depth and 16 inch thick walls for depth greater than 12'-0". Depth to be measured from top of top slab to crown of outgoing pipe.
 - $f'c = 3,500$ psi at 28 days.
 - All reinforcing steel to be ASTM A615, GR.60.
 - For details concerning throat openings, refer to MCDOT Standard No. 55.
- | Throat Length | No. of Pipe Supports |
|---------------|----------------------|
| 5' | 0 |
| 10' | 1 |
| 15' | 2 |
| 20' | 3 |
- pipe supports to be spaced at 5'-0" O.C.
- For details not noted in this standard, refer to MCDOT Standard No. 55.
 - The top 4 inches of walls may be brick masonry for leveling, if required. Brick masonry shall comply with the latest SHA Specification.
 - When grate opening is used, refer to the appropriate SHA Standard for details. Details shall be shown on the plans.
 - When inside width of structure is greater than 4'-0", reinforcing shall be revised as needed.
 - When structure is subject to traffic loading, reinforcing shall be designed for the appropriate traffic loads. Design loads shall be indicated on the plan.
 - All inlets and incoming pipes shall be checked for possible backwater or tailwater problems.

CONSTRUCTION NOTES

- Silt and debris shall not be allowed to enter the structures until contributing drainage areas have been permanently stabilized.
 - All openings to structures shall be protected with the appropriate sediment control measures during construction.
- MAINTENANCE NOTES (WATER QUALITY STRUCTURE WASTE)**
- Water Quality Structures will require periodic cleaning. Owners of these facilities will have to clean them as needed or on a frequency that the County determines is appropriate. Owners of Water Quality Structures will be notified by the County of the frequency of maintenance.
 - Maintenance of these facilities will consist of cleaning out the Separator and disposal of the waste and the repair of the facility as needed. Periodic inspections of these facilities will be made by the County Stormwater Management group.
 - The disposal of the liquid and solid matter should be as follows:
 - All liquid material in the Separator inlet shall be pumped into a suitable tank truck and disposed of at an approved Sanitary District discharge manhole or be taken to an approved sewage treatment plant for discharge.
 - The solid material shall be landfilled in an approved Sanitary Landfill.
 - The inlet pipes, trash racks, grates, and structural parts shall be repaired as needed.

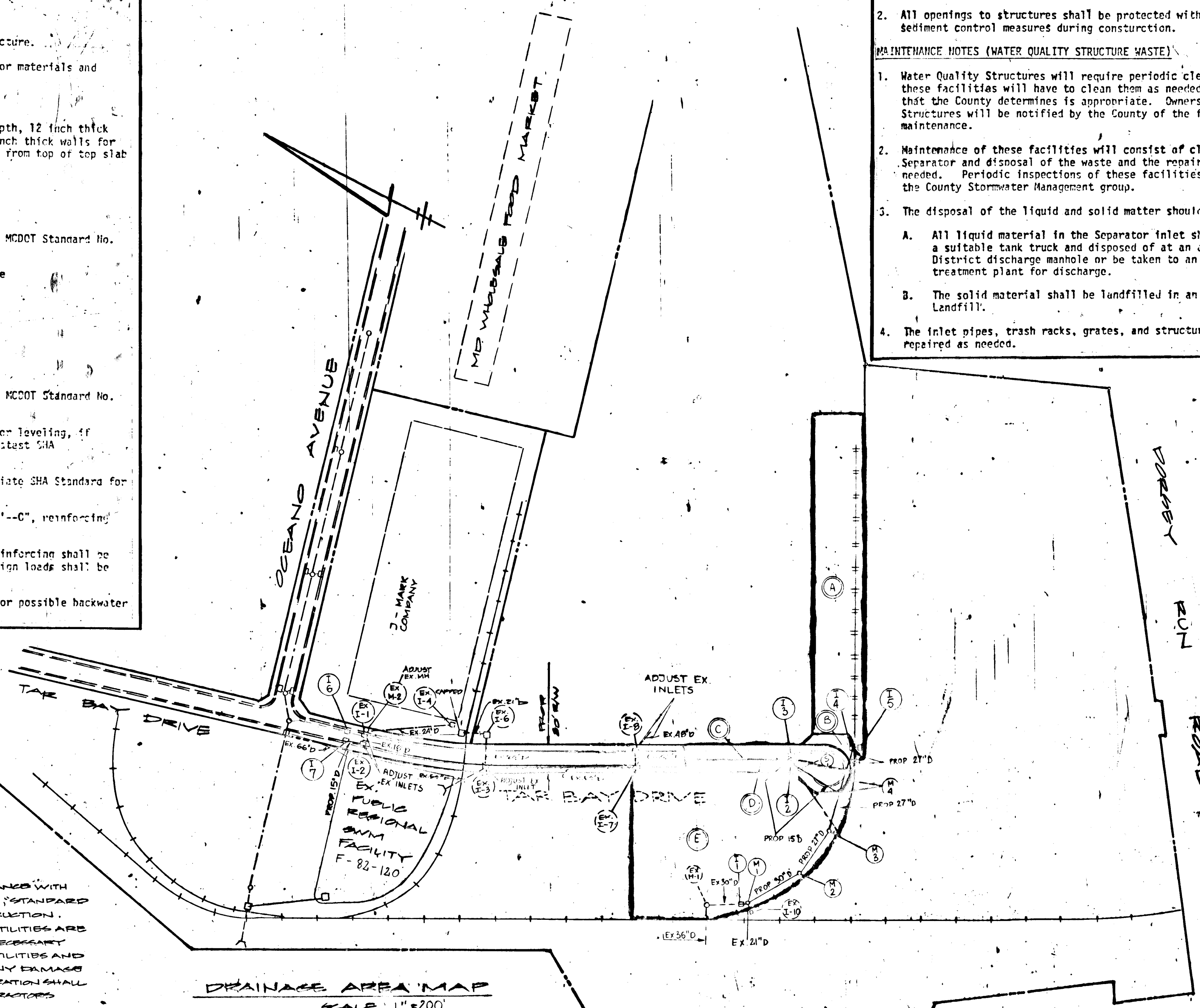


BENCH MARK LOCATIONS

- X - CUT IN HYDRANT HOLD-DOWN BOLT @ 15+00 OCEANO AVE. ELEV. 232.53
- X - CUT @ 24.25' LT. @ 19+00 OCEANO AVE. ELEV. 218.75

HORIZONTAL CONTROL

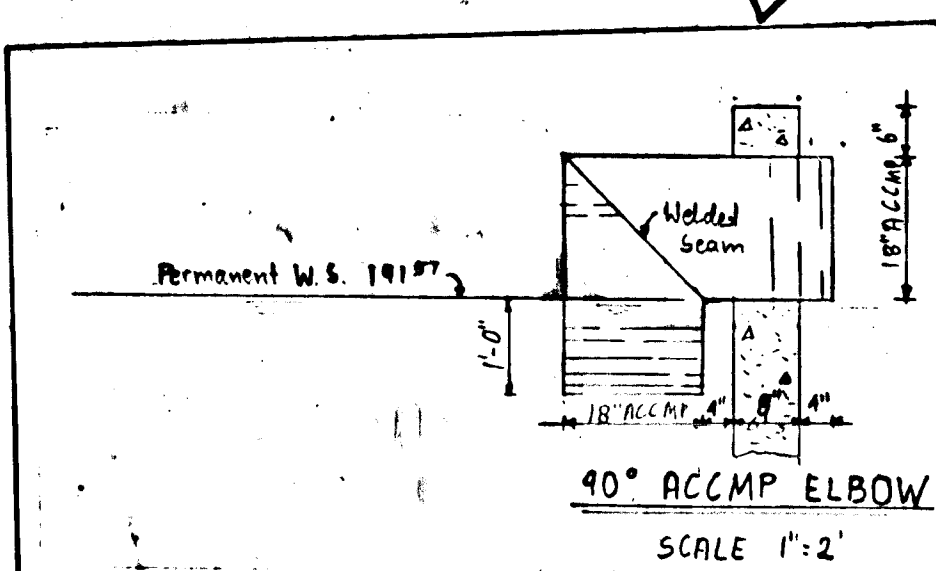
- NAIL & CAP SET @ E INTERSECTION OF OCEANO AVE. AND TAR BAY DRIVE (OCEANO AVE. @ STA. 20+20.50) (N 401, 095.062, E 859, 736.719)
- NAIL & CAP SET @ E OCEANO AVE. 980.50' EAST OF (OCEANO AVE. @ STA. 19+00.00) (N 402, 128.817, E 860, 688.704)
- NAIL & CAP SET @ E INTERSECTION OF OCEANO AVE. AND ASSATEAGUE DR. (OCEANO AVE. @ STA. 5+20.50) (N 402, 460.055, E 862, 028.091)



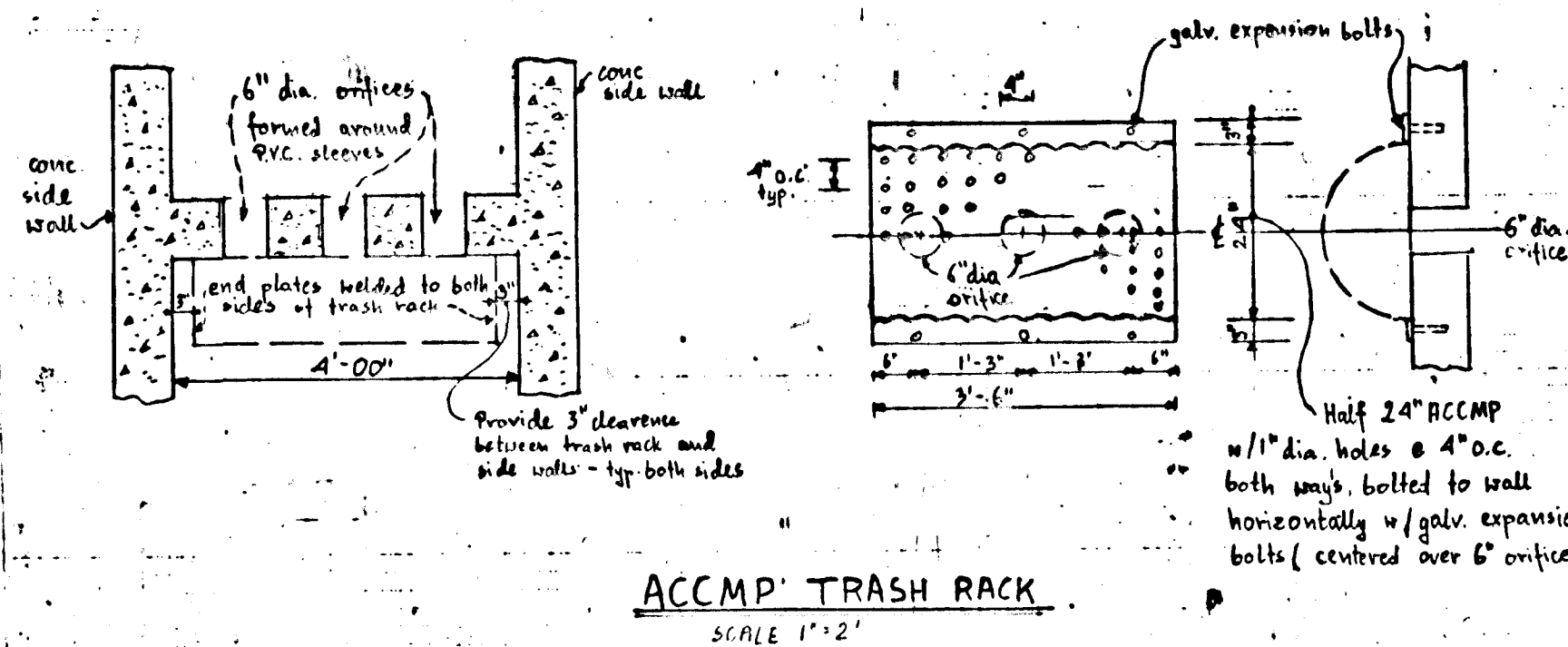
GENERAL NOTES

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH HOWARD COUNTY DESIGN MANUAL VOL. II STANDARD DETAILS AND SPECIFICATIONS FOR CONSTRUCTION.
- APPROXIMATE LOCATION OF ALL 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 THE CONTRACTOR'S OPERATION SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL TEST-FIT EXISTING UTILITIES, WHERE DIRECTED BY THE ENGINEER AT A MINIMUM OF TWO WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS.
- CONTRACTOR TO NOTIFY MISS UTILITY, PHONE (410) 530-0100 AT LEAST THREE (3) DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS.
- ALL ELEVATIONS SHOWN ARE BASED ON U.S. AND C.E. MEAN SEA LEVEL DATUM 1929.
- ALL COORDINATES BASED ON MARYLAND STATE GRID SYSTEM.
- PIPE SHALL NOT BE INSTALLED BY THE CONTRACTOR UNTIL THE LENGTH CALLED FOR EACH STATION HAS BEEN APPROVED BY THE ENGINEER IN THE FIELD.
- ALL STORM DRAIN BEING TO BE CLASS C, EXCEPT WHERE OTHERWISE NOTED.

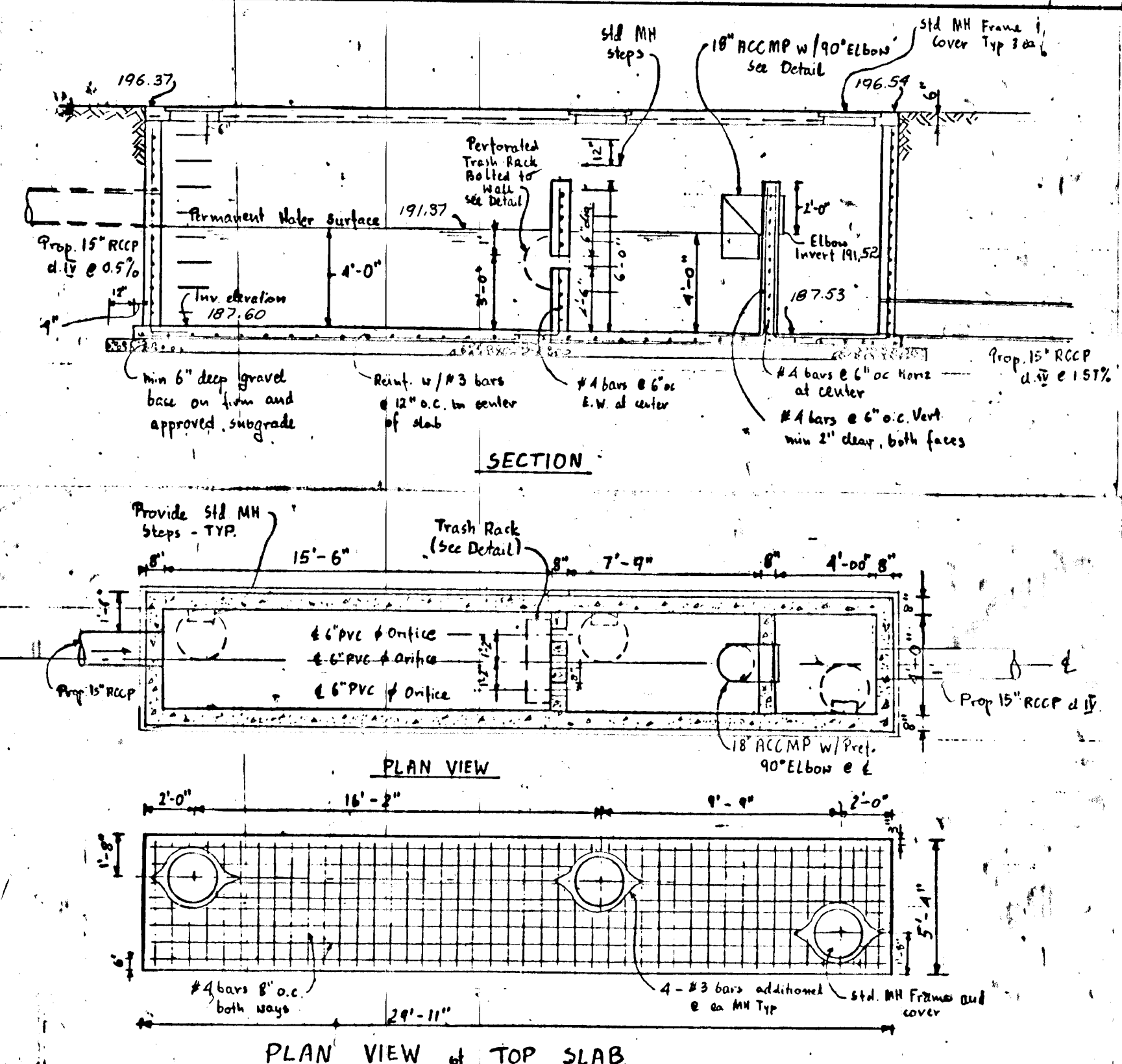
DRAINAGE AREA MAP
SCALE: 1" = 200'



90° ACCMP ELBOW
SCALE: 1" = 2'



ACCMP TRASH RACK
SCALE: 1" = 2'



WATER QUALITY CONTROL STRUCTURE S-1
SCALE: 1" = 5'

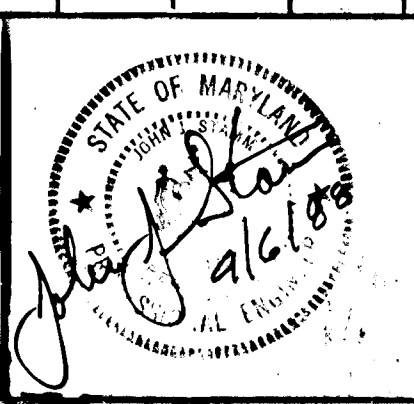
STRUCTURE DATA											
STRUCT. NUMBER	DRAIN AREA (Ac)	VOL. REQ'D (CF)	VOL. PROV (CF)	DIMENSIONS						FLOOR SLAB ELEV	TOP SLAB ELEV
				A	B	C	D	E	F		
#1	0.92	368	372	29'-11"	5'-4"	15'-6"	7'-9"	16'-2"	6'-0"	187.57	196.57

- CONSTRUCTION NOTES**
- Silt and debris shall not be allowed to enter the structures until contributing drainage areas have been permanently stabilized.
 - All openings to structures shall be protected with the appropriate sediment control measures during construction.

OFFICE OF PLANNING & ZONING
Joseph Kautz 5/5/88
 CHIEF, LAND DEVELOPMENT DIVISION
 DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Michael R. Kelly 5-2-88
 CHIEF, BUREAU OF ENGINEERING
 DATE
Branville W. Wickland 4/28/88
 CHIEF, BUREAU OF HIGHWAYS
 DATE

ENGINEER
GEORGE W. STEPHENS JR.
 AND ASSOCIATES INC.
 203 ALLEGHENY AVENUE
 TOWSON, MARYLAND 21284
 410-225-0120

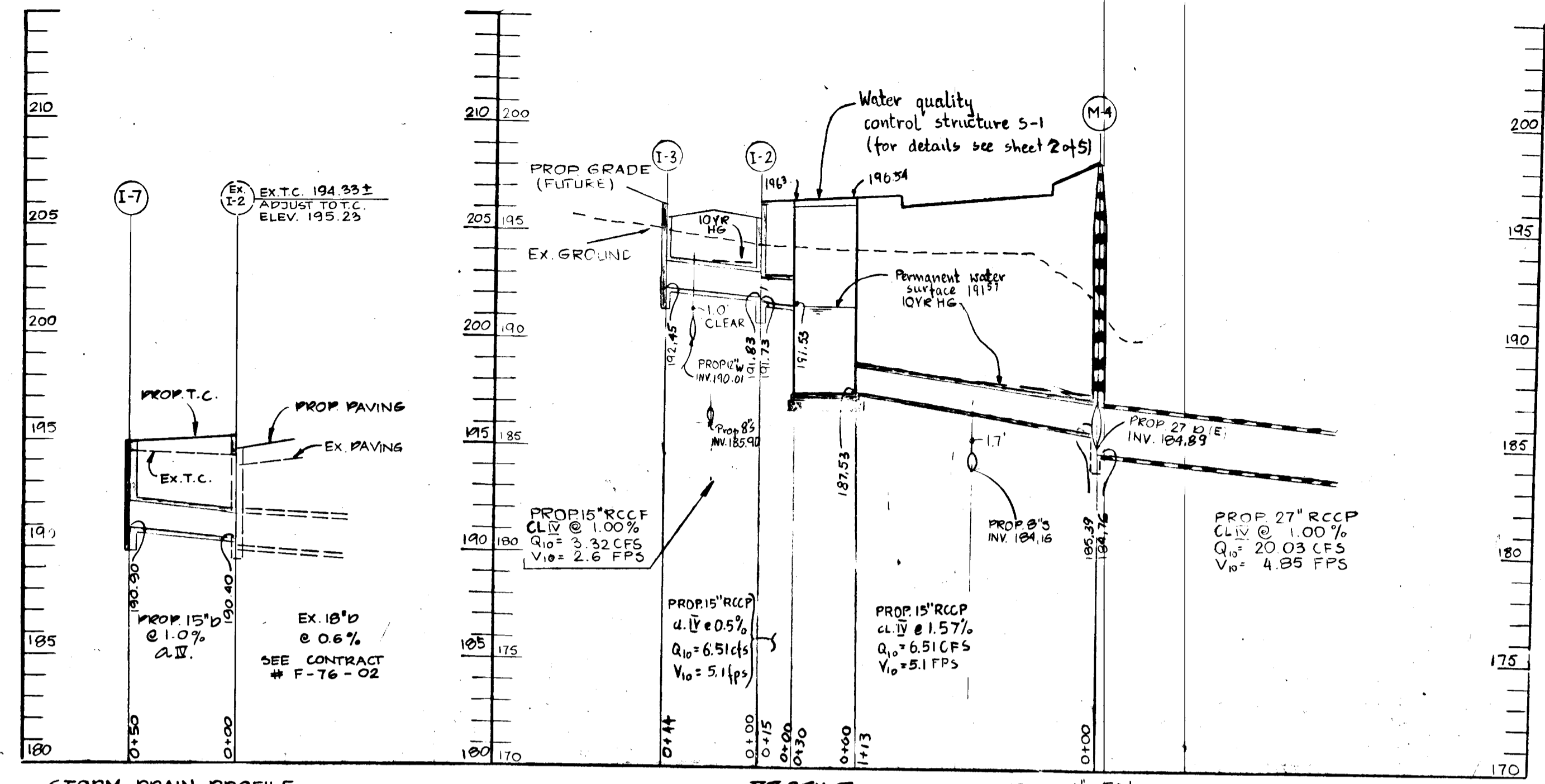
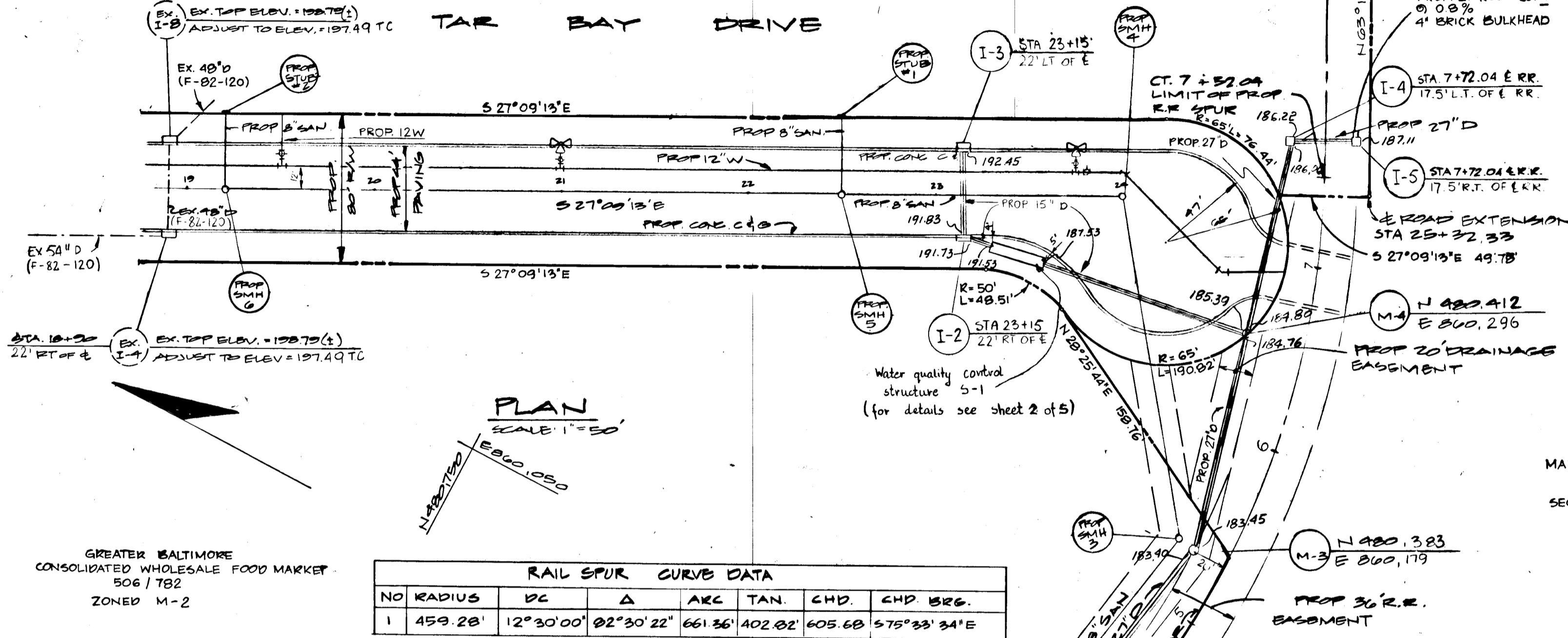


BY NO.	REVISION	DATE

MARYLAND WHOLESALE FOOD CENTER
STORM DRAIN
DRAINAGE AREA MAP
 HOWARD COUNTY MD SECTION DISTRICT #6
 SCALE: AS SHOWN JUNE 10, 1987
 SHEET 2 OF 5
 PUC-01376

GREATER BALTIMORE
CONSOLIDATED WHOLESALE
FOOD MARKET
523 / 323
ZONED M-2

NOTE: CONTRACTOR TO TEST FIT
EXISTING UTILITIES PRIOR
TO LAYING OF PIPE TO DETERMINE
EXACT LOCATION AND ELEVATION.

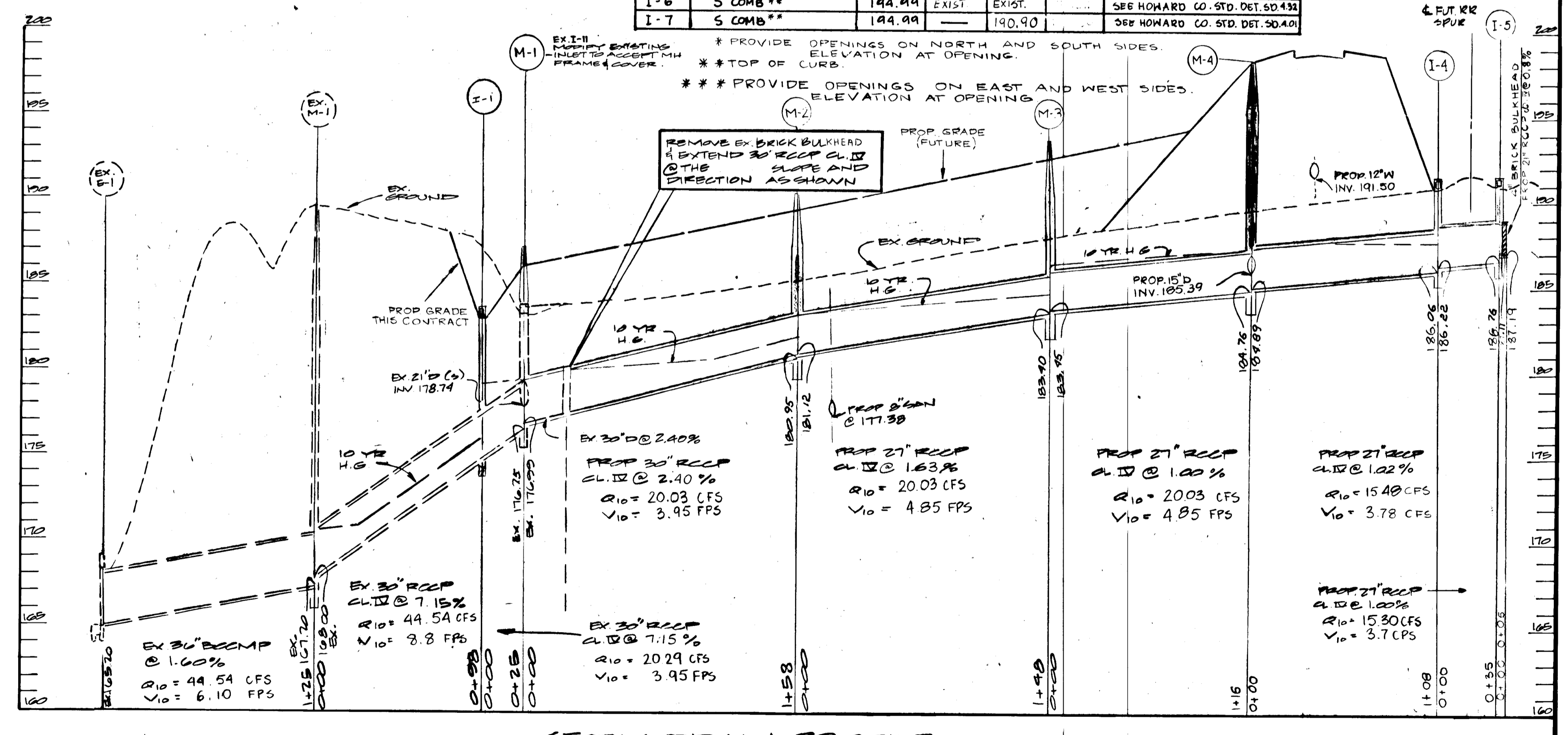


NO.	TYPE	ELEVATION		REMARKS	
		TOP	INV. IN		
M-1*	STD BRICK MANHOLE	187.28	EXIST. EXIST.	SEE HOWARD CO. STD. DET. 50-4.1	
M-2	STD BRICK MANHOLE	190.67	181.12	182.99	SEE HOWARD CO. STD. DET. 50-4.1
M-3	STD BRICK MANHOLE	193.62	183.49	183.40	SEE HOWARD CO. STD. DET. 50-4.1
M-4	STD BRICK MANHOLE	198.19	185.0	184.76	SEE HOWARD CO. STD. DET. 50-4.1

* TYPE 'D' INLET (EXISTING) EXTEND EX TYPE 'D' INLET TO PROPOSED GRADE. TRANSITION TO ACCEPT HEAVY DUTY TRAFFIC MANHOLE FRAME & COVER.

NO.	TYPE	ELEVATION			REMARKS
		TOP	INV. IN	INV. OUT	
I-1	D*	192.69	EXIST.	EXIST.	SEE HOWARD CO. STD. DET. 50-4.1
I-2	A-5**	196.18	191.03	191.73	SEE HOWARD CO. STD. DET. 50-4.1
I-3	A-5**	196.15	---	192.45	SEE HOWARD CO. STD. DET. 50-4.1
I-4	D***	191.01	186.25	186.45	SEE HOWARD CO. STD. DET. 50-4.1
I-5	D***	190.95	187.14	186.25	SEE HOWARD CO. STD. DET. 50-4.1
I-6	S COMB**	194.49	EXIST.	EXIST.	SEE HOWARD CO. STD. DET. 50-4.1
I-7	S COMB**	194.49	---	190.90	SEE HOWARD CO. STD. DET. 50-4.1

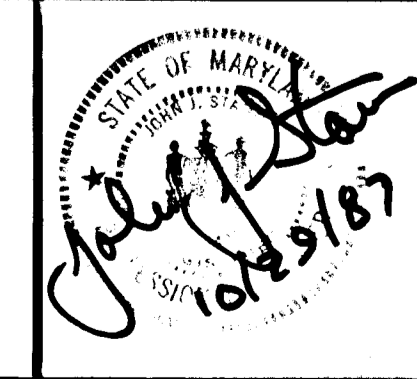
* PROVIDE OPENINGS ON NORTH AND SOUTH SIDES. ELEVATION AT OPENING. ** TOP OF CURB. *** PROVIDE OPENINGS ON EAST AND WEST SIDES. ELEVATION AT OPENING.



OFFICE OF PLANNING & ZONING
Howard Antle 5/5/88
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

APPROVED: DEPARTMENT OF PUBLIC WORKS
Joseph A. Riley
CHIEF, LAND DEVELOPMENT DIVISION
5-2-88
4/28/88

ENGINEER
GEORGE W. STEPHENS JR.
AND ASSOCIATES, INC.
303 ALEXANDRIA AVENUE
DOWSON MARYLAND 21024
(301) 822-9120

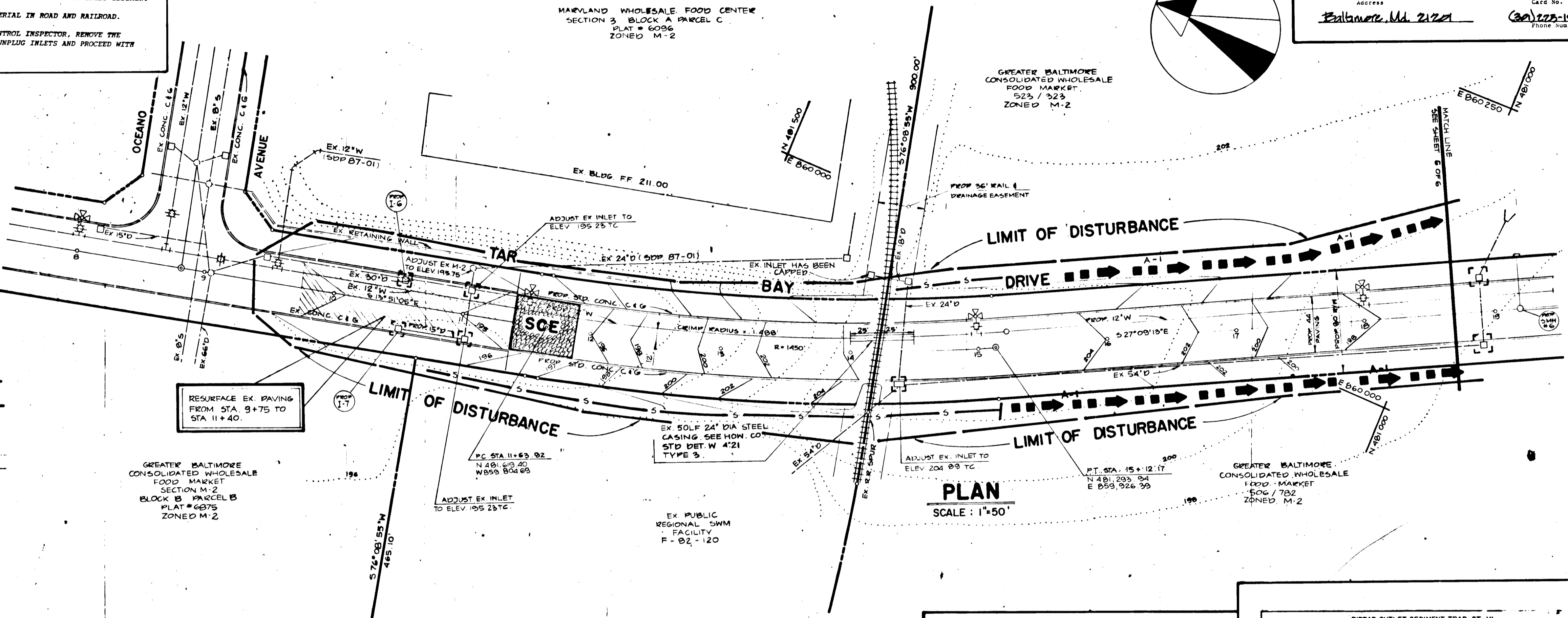
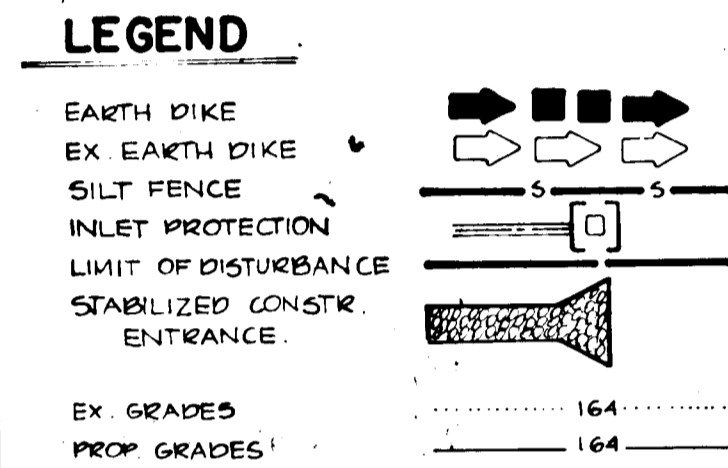


DES: WZ
BY NO.
REVISION
DATE
MARYLAND WHOLESALE FOOD CENTER
STORM DRAIN PROFILE
HOWARD COUNTY MD ELECTION DISTRICT #6
SCALE: AS SHOWN SHEET 3 OF 5
JUNE 10 1987
RN-21376
AS-BUILT 1/3/92 F-88-148

DES:	BY NO.	REVISION	DATE
WZ			
J.B./D.L.			
J.S./W.Z.			

HOWARD COUNTY MD ELECTION DISTRICT #6
SCALE: AS SHOWN SHEET 3 OF 5
JUNE 10 1987
RN-21376
AS-BUILT 1/3/92 F-88-148

- SEQUENCE OF OPERATIONS**
1. NOTIFICATION OF MDE ENFORCEMENT DIVISION (301) 974-2641, AT LEAST FIVE (5) DAYS PRIOR TO THE START OF WORK.
 2. NOTIFY HOWARD COUNTY DEPARTMENT OF INSPECTIONS, PERMITS INSPECTOR, 48 HOURS PRIOR TO BEGINNING ANY WORK.
 3. INSTALL STABILIZED CONSTRUCTION ENTRANCE.
 4. CLEAR AND GRUB FOR AREA NECESSARY TO EXTEND 48" D AND CONCRETE END SECTION.
 5. EXTEND 48" D AND INSTALL CONCRETE END SECTION ONLY DURING A DRY WEATHER FORECAST SUFFICIENT TO COMPLETE ALL WORK WITHIN THE EXCAVATED AREA. REPAIR EXISTING EARTH DIKE AND MAINTAIN POSITIVE DRAINAGE TO CONCRETE END SECTION AT ALL TIMES.
 6. IMMEDIATELY STABILIZE DISTURBED SIDE SLOPES WITH PERMANENT SEED AND MULCH.
 7. CLEAR AND GRUB FOR SEDIMENT AND EROSION CONTROL DEVICES ONLY.
 8. INSTALL ALL SEDIMENT CONTROL MEASURES AND DEVICES INCLUDING INLET PROTECTION FOR EXISTING INLETS.
 9. INSTALL PROPOSED INLET (1-1) WITH 18" x 18" OUTLET SEDIMENT TRAP #1. IMMEDIATELY STABILIZE DISTURBED AREA WITH PERMANENT SEED & MULCH AND R.P.P. SHOWN.
 10. MODIFY EXISTING INLET (1-11) TO ACCEPT NH FRAME AND COVER. ABANDON EXISTING INLET (1-10).
 11. BEGIN MAJOR GRADING, INSTALL STORM DRAIN SYSTEM AND PROVIDE STORM INLET SEDIMENT TRAP.
 12. INSTALL CURB AND GUTTER AND INSTALL SUBBASE MATERIAL IN ROAD AND RAILROAD.
 13. FINE GRADE ANY REMAINING AREAS OF SITE.
 14. AFTER OBTAINING PERMISSION FROM THE SEDIMENT CONTROL INSPECTOR, REMOVE THE REMAINING SEDIMENT CONTROL DEVICES, STABILIZE, UNPLUG INLETS AND PROCEED WITH PAVING OPERATIONS.



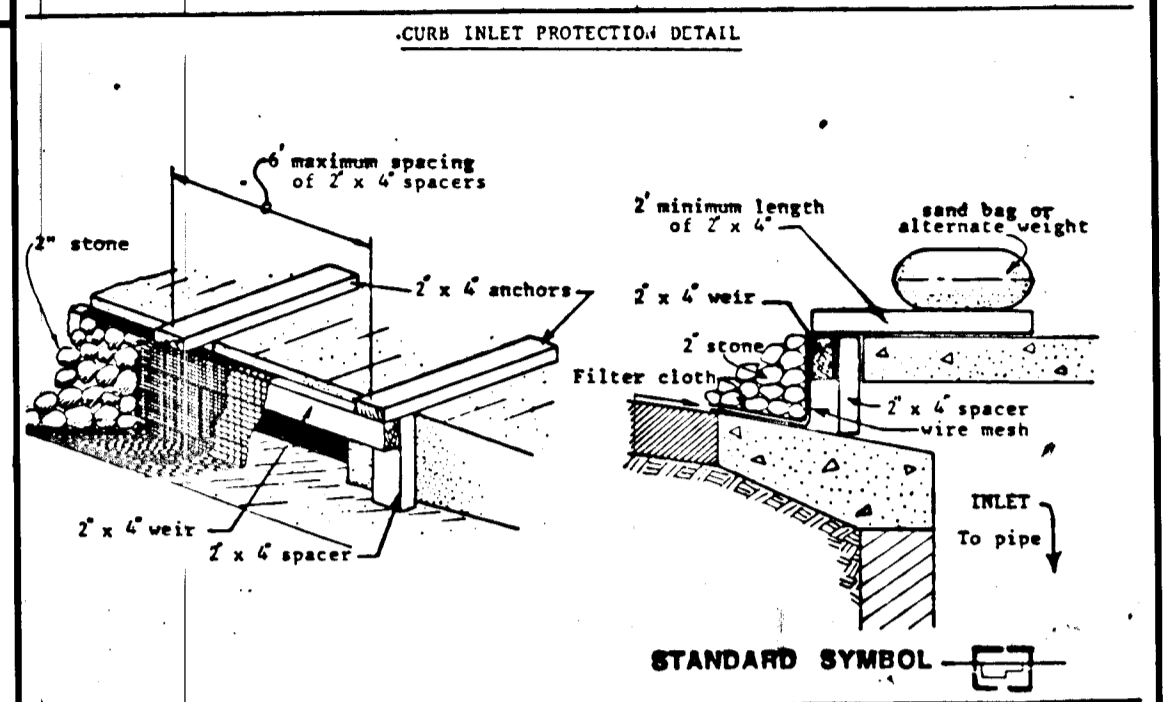
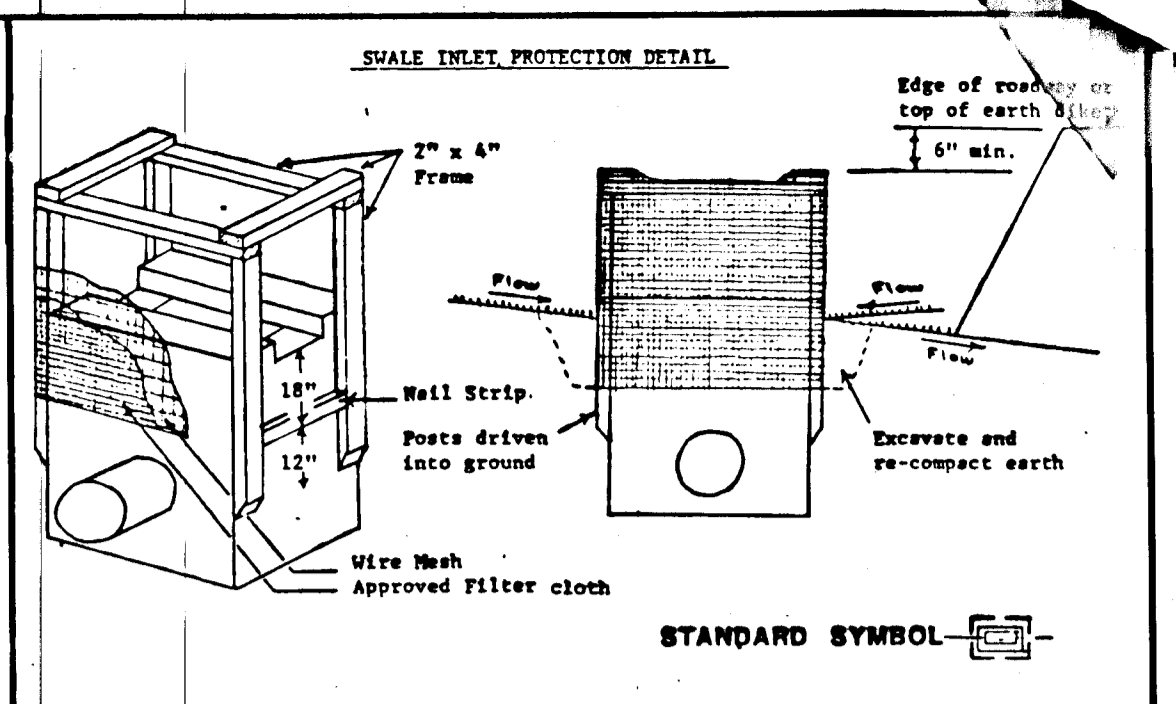
DEVELOPER'S CERTIFICATION:

(USE CERTIFY THAT:

1. All development and construction will be done in accordance with this Sediment and Erosion Control Plan, and further, authorize the right of entry for periodic on-site evaluation by the State of Maryland, Department of the Environment, Enforcement Inspectors.
2. Any responsible Personnel involved in the construction project will have a Certificate of Attendance at a Department of the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project.

[Signature]
 Md. Food Center Authority
 20 West Preston St.
 Baltimore, Md. 21201

DATE: 2/22/88
 CARD NO. 6011225-1000
 PHONE NUMBER



U.S. DEPARTMENT OF AGRICULTURE
 SOIL CONSERVATION SERVICE
 COLLEGE PARK, MARYLAND

INLET PROTECTION
 DETAIL

STANDARD DRAWING
 IPD-1

Construction Specifications

- I. Materials**
 - A. Wooden frame is to be constructed of 2" x 4" construction grade lumber.
 - B. Wire mesh must be of sufficient strength to support filter fabric, and stone for curb inlets, with water fully impounded against it.
 - C. Filter cloth must be of a type approved for this purpose; resistant to sunlight with sieve size, 60S, 40-85, to allow sufficient passage of water and removal of sediment.
 - D. Stone is to be 2" in size and clean, since fines would clog the cloth.
- II. Procedure**
 - A swale, ditchline or yard inlet protection.
 1. Excavate completely around inlet to a depth of 18" below notch elevation.
 2. Drive 2 x 4 post 1' into ground at four corners of inlet. Place nail string between posts on ends of inlet. Assemble top portion of 2 x 4 frame using overlap joint method. Top of frame (weir) must be 6" below edge of roadway adjacent to inlet.
 3. Stretch wire mesh tightly around frame and fasten securely. Ends must meet at post.
 4. Stretch filter cloth tightly over wire mesh, the cloth must extend from top of frame to 18" below inlet notch level. Fasten securely to frame. Ends must meet at post, be overlapped and folded, then fastened down.
 5. Backfill around inlet in compacted 6" layers until layer of earth is even with notch elevation on ends and top elevation on sides.
 6. If the inlet is not in a low point, construct a connected earth dike in the ditchline below it. The top of this dike is to be at least 6" higher than the top of frame (weir).
 7. This structure must be inspected frequently and the filter fabric replaced when clogged.
 - Curb Inlet Protection.
 1. Attach a continuous piece of wire mesh (30" min. width by throat length plus 4") to the 2" x 4" weir (measuring throat length plus 2") as shown on the standard drawing.
 2. Place a piece of approved filter cloth (40-85 sieve) of the same dimensions as the wire mesh over the weir and secure it to the 2" x 4" weir.
 3. Securely nail the 2" x 4" weir to 9" long vertical spacers to be located between the weir and inlet face (max. 6" apart).
 4. Place the assembly against the inlet throat and nail (minimum 2" lengths of 2" x 4" to the top of the weir at spacer locations. These 2" x 4" anchors shall extend across the inlet top and be held in place by sandbags or alternate weight.
 5. The assembly shall be placed so that the end spacers are a minimum 1' beyond both ends of the throat opening.
 6. Form the wire mesh and filter cloth to the concrete gutter and against the face of curb on both sides of the inlet. Place clean 1/2" stone over the wire mesh and filter fabric in such a manner as to prevent water from entering the inlet under or around the filter cloth.
 7. This type of protection must be inspected frequently and the filter cloth and stone replaced when clogged with sediment.
 8. Assure that storm flow does not bypass inlet by installing temporary earth or asphalt dikes directing flow into inlet.

SEDIMENT CONTROL 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. (992-7437)
- 2) All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- 3) Following initial soil disturbance or redisturbance, portions of temporary stabilization shall be completed within 47 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1, b) 14 days as to all other structures or ground areas on the project site.
- 4) All sediment traps/basins shown must be fenced and warning signs posted around their perimeter in accordance with Vol. 1, Chapter 12, of the HOWARD COUNTY HEALTH MANUAL, Storm Drainage.
- 5) All disturbed areas must be stabilized within the time periods specified above in accordance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seedings (Sec. 51) and (Sec. 54), temporary seedings (Sec. 50) and mulching (Sec. 52). Temporary stabilization which which alone can only be done when recommended seedings dates do not allow for proper germination and establishment of grasses.
- 6) All sediment control structures are to remain in place and are to be maintained in operative condition until permanent stabilization has been obtained from the Howard County Sediment Control Inspector.
- 7) Site Analysis:
 Total Area of Site: 5.82 Acres
 Area to be graded or paved: 1.70 Acres
 Area to be vegetatively stabilized: 3.12 Acres
 Total Cut: 0.78 Cu. Yds
 Total Fill: 14.70 Cu. Yds
 Estimate of Stormwater Runoff: 1.00 CFS
- 8) Any sediment control practices which is disturbed by storm activity for placement of sediments must be repaired on the same day of disturbance.
- 9) Additional sediment controls must be provided, if deemed necessary by the Howard County DPW sediment control inspector.
- 10) On all sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be requested upon completion of installation of perimeter erosion and sediment controls, but before disturbance which occurs outside of disturbance of grading. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.
- 11) Material Will Be Obtained From A Site With An Approved Sediment Control Plan.

PERMANENT SEEDING NOTES

Apply to graded or cleared areas not subject to immediate further disturbance where a permanent long-term vegetative cover is needed.

Seeding Practices: Loosen upper three inches of soil by raking, disking or other suitable means before seeding.

Soil Requirements: In lieu of soil test recommendations, use one of the following seedings:

- 1) Pasture - Apply 2 tons per acre legume (80 lbs/1000 sq ft) and 100 lbs per acre 10-10-10 fertilizer (15 lbs/1000 sq ft) before seeding. Narrow or disc land under open areas of soil. At time of seeding, apply 100 lbs per acre 10-10-10 fertilizer (15 lbs/1000 sq ft).
- 2) Accessory - Apply 1 ton per acre legume (80 lbs/1000 sq ft) and 100 lbs per acre 10-10-10 fertilizer (15 lbs/1000 sq ft) before seeding. Narrow or disc land under three inches of soil.

Seeding: For periods March 1 thru April 30, and August 1 thru November 15, seed with 40 lbs per acre (14 lbs/1000 sq ft) of Kentucky 31 tall fescue. For the period May 1 thru July 31, seed with 40 lbs per acre (14 lbs/1000 sq ft) of tall fescue per acre and 2 lbs per acre (0.7 lbs/1000 sq ft) of overseeding. During the period of October 1 thru February 28, plant rye by Option (1) 5 tons per acre of well aerated rye straw and use as much as available in the spring. Option (2) 1 ton per acre (0.3 lbs/1000 sq ft) of tall fescue and 2 tons of well aerated straw.

Mulching: Apply 1/4 to 1 ton per acre (70 to 90 lbs/1000 sq ft) of overhead mulch straw (immediately after seeding). Incorporate mulch immediately after application using mulch harrows (100 lbs per acre) or 200 gal/acre (20 gal/1000 sq ft) of mulch harrows on flat areas. On slopes 3 feet or higher, use 300 gal/acre (30 gal/1000 sq ft) for mulching.

Watering: Irrigate all seeded areas and make needed repairs, replacements and adjustments.

Apply to graded or cleared areas likely to be redisturbed where a short-term vegetative cover is needed.

Soil Requirements: Loosen upper three inches of soil by raking, disking or other suitable means before seeding.

Soil Requirements: Apply 400 lbs per acre 10-10-10 fertilizer (15 lbs/1000 sq ft).

Seeding: For periods March 1 thru April 30, and August 1 thru November 15, seed with 40 lbs per acre (14 lbs/1000 sq ft) of Kentucky 31 tall fescue. For the period May 1 thru July 31, seed with 40 lbs per acre (14 lbs/1000 sq ft) of tall fescue per acre and 2 lbs per acre (0.7 lbs/1000 sq ft) of overseeding. During the period of October 1 thru February 28, plant rye by Option (1) 5 tons per acre of well aerated rye straw and use as much as available in the spring. Option (2) 1 ton per acre (0.3 lbs/1000 sq ft) of tall fescue and 2 tons of well aerated straw.

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Watering: Irrigate all seeded areas and make needed repairs, replacements and adjustments.

Refer to the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for rate and methods of seeding.

OFFICE OF PLANNING AND ZONING

[Signature] 5/15/88

CERTIFICATION BY THE ENGINEER

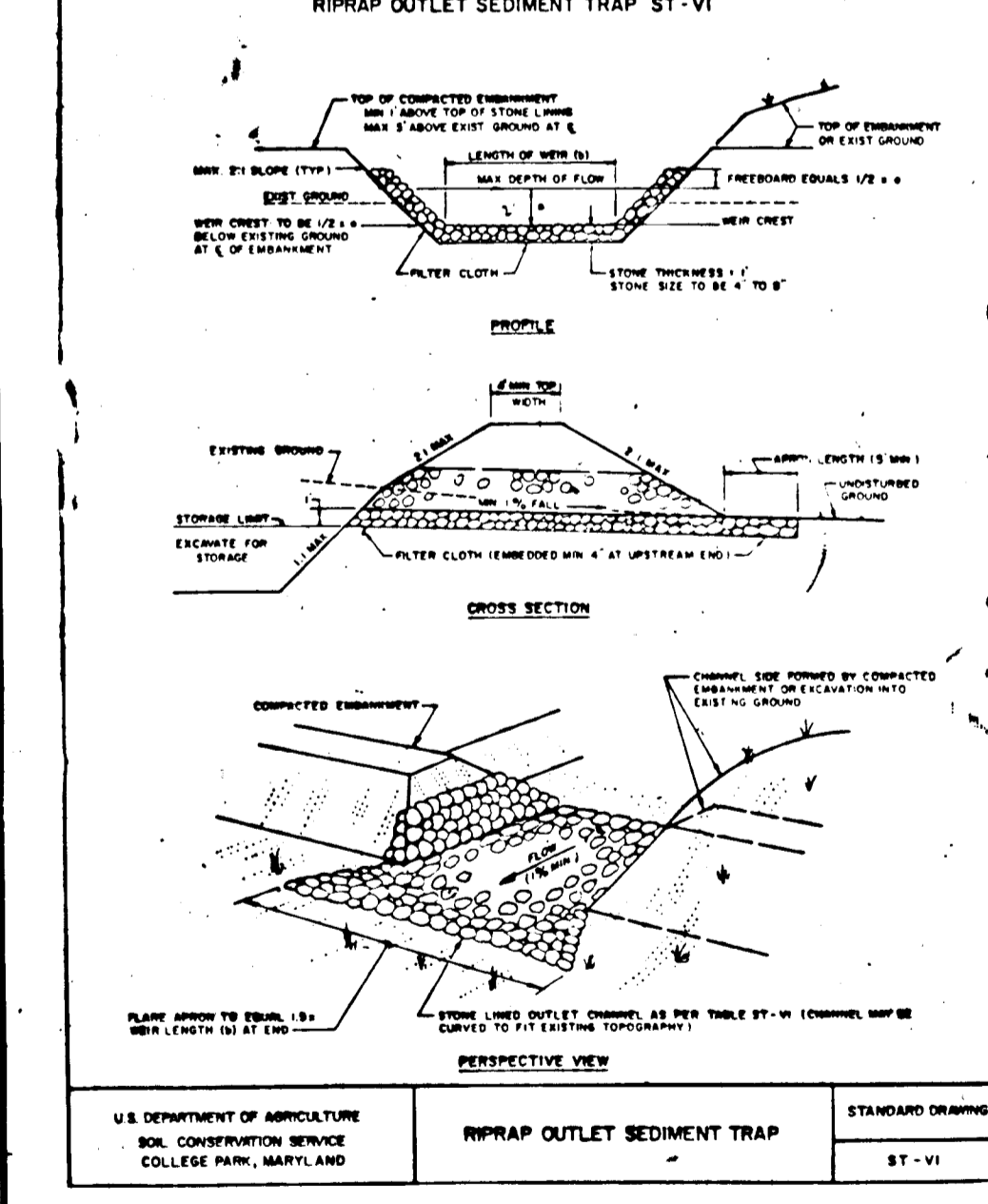
I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

[Signature] 4/28/88

REG NO. 4732 DATE 2-28-88

CONSTRUCTION SPECIFICATIONS FOR ST-VI

1. The area under construction shall be cleared, grubbed and stripped of any vegetation and root mat. The pool area shall be cleared.
2. The fill material for the embankment shall be free of rocks or other woody vegetation as well as oversized stones, logs, organic material or other objectionable material. The embankment shall be constructed by spreading with equipment while it is being constructed. Maximum height of embankment shall be (15) feet, measured at crestline of embankment.
3. All fill slopes shall be 2:1 or flatter; cut slopes 1:1 or flatter.
4. Elevation of the top of any slope directing water into trap must equal or exceed the height of embankment.
5. Storage area provided shall be figured by computing the volume available behind the outlet channel up to an elevation of one (1) foot below the least weir crest.
6. Filter cloth shall be placed over the bottom and sides of the outlet channel prior to placement of stone. Sections of fabric must overlap at least one (1) foot with section nearest the entrance placed on top. Fabric shall be overlapped at least six (6) inches into existing ground at entrance of outlet channel.
7. Stone used in the outlet channel shall be four (4) or eight (8) inches (topsize). To provide a filtering effect, a layer of filter cloth shall be embedded one (1) foot back into the upstream face of the outlet stone or a one (1) foot thick layer of two (2) inch or finer aggregate shall be placed on the upstream face of the outlet.
8. Sediment shall be removed and trap restored to its original dimensions when the sediment has accumulated to 1/2 the design depth of the trap. Removed sediment shall be deposited in a suitable area and in such a manner that it will not erode.
9. The structure shall be inspected after each rain and repaired as needed.
10. Construction operations shall be carried out in such a manner that erosion and water pollution are minimized.
11. The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.
12. Drainage area for this practice is limited to 15 acres or less.



REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS.

APPROVED: *[Signature]* 4/28/88

DATE: 4-26-88

U.S. SOIL CONSERVATION SERVICE

GEORGE W. STEPHENS JR. AND ASSOCIATES INC. CIVIL ENGINEERS & LAND SURVEYORS 303. Allegheny Avenue TOWSON, MARYLAND 21204 (301) 825 8120	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND PERMITS DIVISION CHIEF, BUREAU OF ENGINEERING	DESIGNED: V.Z. DRAWN: J.W. CHECKED: J.J.S.	BY. NO. _____ DATE _____	REVISIONS _____ _____	OWNER / DEVELOPER MARYLAND FOOD CENTER AUTHORITY 201 WEST PRESTON STREET BALTIMORE, MARYLAND 21201 (301) 225-1900	SCALE AS SHOWN SHEET 4 OF 5	MARYLAND WHOLESALE FOOD CENTER TAR BAY DRIVE SEDIMENT & EROSION CONTROL PLAN HOWARD CO. MD. ELECTION DISTRICT No. 6 DECEMBER 29, 1988.

GREATER BALTIMORE CONSOLIDATED WHOLESALE FOOD MARKET
523 S. S. ST.
ZONED M-2

DRAINAGE AREA TO PROP CONCRETE END SECTION = 34 Ac²

NOTE:
REPAIR EX. EARTH DIKE MAINTAIN POSITIVE DRAINAGE TO PROP CONCRETE END SECTION.

REMOVE EX. BRICK BULKHEAD & EXTEND TO THE SLOPE AND DIRECTION AS SHOWN.

Temporary slope protection on filter cloth 14' wide, 4 1/2' high.

LIMIT OF DISTURBANCE

LIMIT OF DISTURBANCE

GREATER BALTIMORE CONSOLIDATED WHOLESALE FOOD MARKET
506/782
ZONED M-2

Water quality control structure 5-1 (for detail see sheet 804)

STORM INLET SEDIMENT TRAP ST III 11' x 2'

DRAINAGE AREA - 0.65 Ac²
STORAGE REQUIRED - 0.65 x 27 x 60 = 1193 CF
STORAGE PROVIDED - 1252 CF
BOTTOM OF TRAP - 195.90
BOTTOM DIMENSION - 24' x 46'
SIDE SLOPES - 2:1
CLEANOUT ELEV. - 196.32

STORM INLET SEDIMENT TRAP ST III 3' x 4'

DRAINAGE AREA - 0.56 Ac²
STORAGE REQUIRED - 0.56 x 27 x 60 = 1026 CF
STORAGE PROVIDED - 1109 CF
BOTTOM OF TRAP - 194.50
BOTTOM DIMENSION - 22' x 44'
SIDE SLOPES - 2:1
CLEANOUT ELEV. - 195.10

RIP-RAP OUTLET SEDIMENT TRAP ST VI 1'

DRAINAGE AREA - 5.8 Ac²
STORAGE REQUIRED - 5.8 x 27 x 60 = 10500 CF
STORAGE PROVIDED - 11110 CF (TO ELEV 184)
BOTTOM OF TRAP - 181.42
TOP OF EMBANKMENT - 186.32
LENGTH OF WEIR - 14'
WEIR CREST ELEV. - 185.11
CLEANOUT ELEV. - 182.15
SIDE SLOPES - 2:1

1. DEVELOPER'S CERTIFICATION:
I (WE) CERTIFY THAT:
A. All development and construction will be done in accordance with this Sediment and Erosion Control Plan, and further, authorize the right of entry for periodic review and evaluation by the State of Maryland, Department of the Environment, Enforcement Inspectors.
B. Any responsible Personnel involved in the construction project will have a Certificate of Attendance at a Department of the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project.

[Signature]
Md. Food Center Authority
201 West Preston St.
Baltimore, Md. 21201
Date: 2/26/88
Crd. No. COE 225-1900
Phone Number

CERTIFICATION BY THE ENGINEER
I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A FEASIBLE 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]
REG. NO. 4732 DATE 2-26-88

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

REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS.

[Signature] 4/26/88
[Signature] 4/26/88

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

[Signature]
CHIEF, LAND DEVELOPMENT DIVISION

[Signature]
CHIEF, BUREAU OF HIGHWAYS

[Signature]
CHIEF, BUREAU OF ENGINEERING



GEORGE W. STEPHENS AND ASSOCIATES INC.
CIVIL ENGINEERS & LAND SURVEYORS

303 Allegheny Avenue
TOWSON MARYLAND 21204
(301) 825 8120



DESIGNED: V.Z.
DRAWN: J.W.
CHECKED: J.S.V.Z.

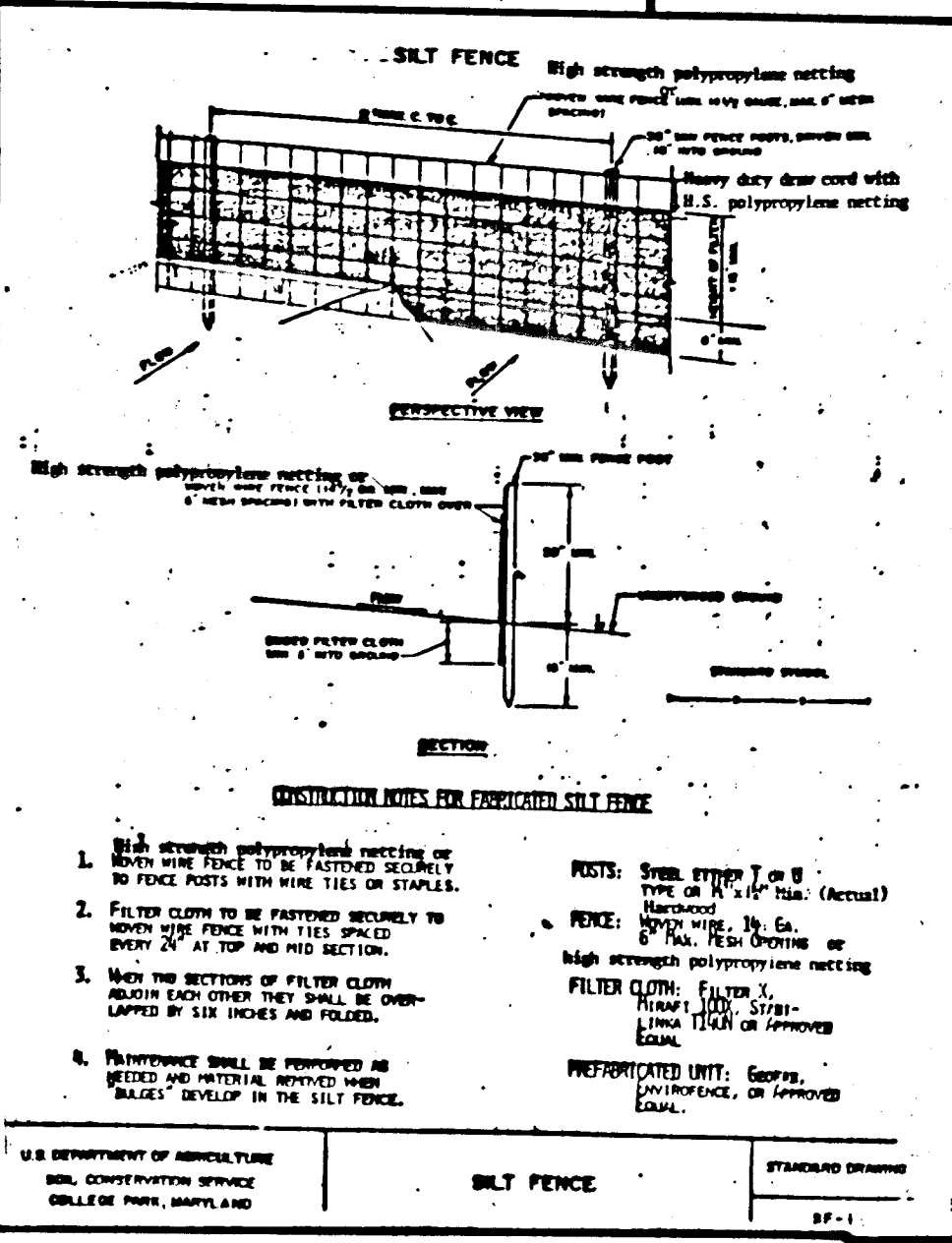
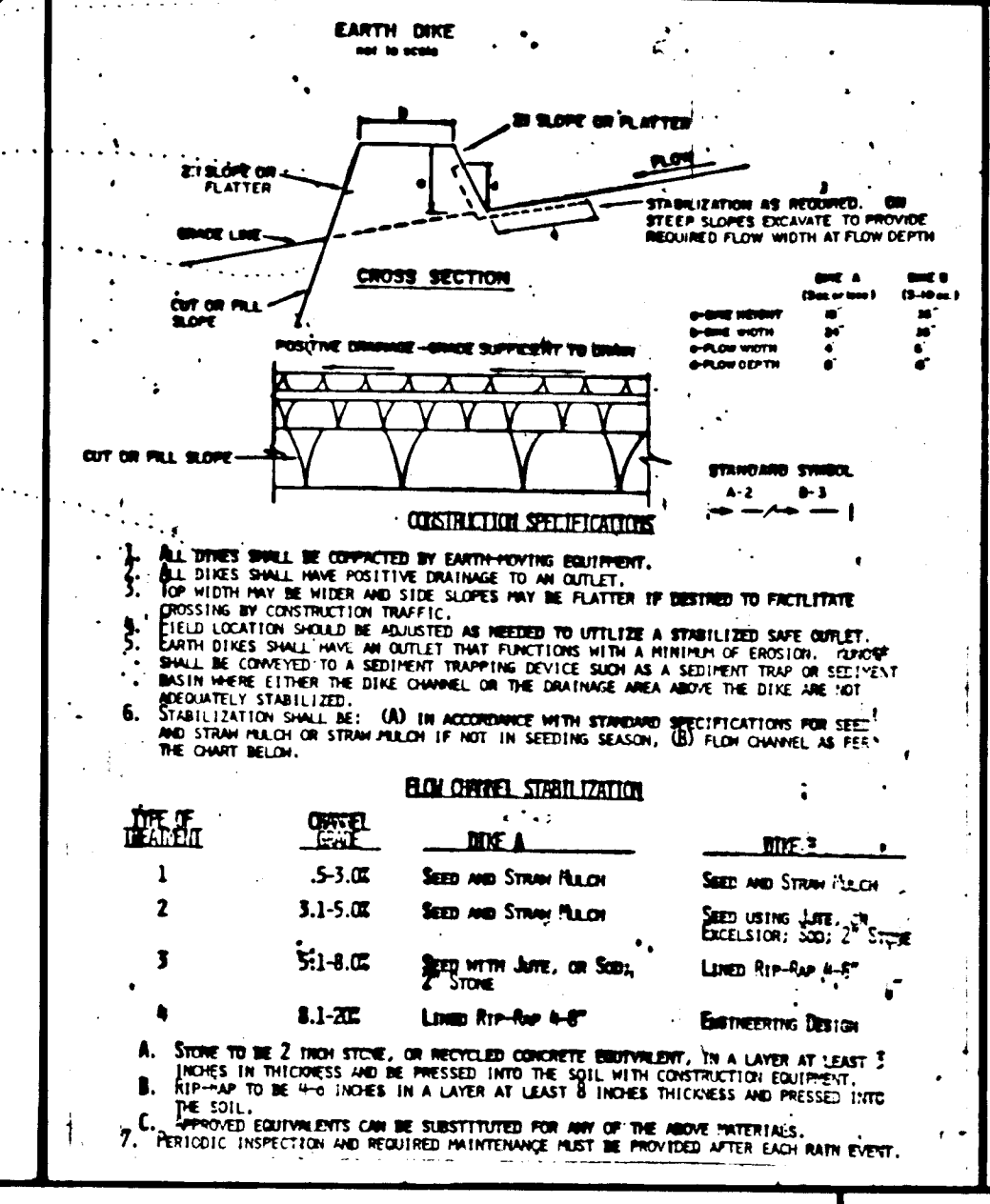
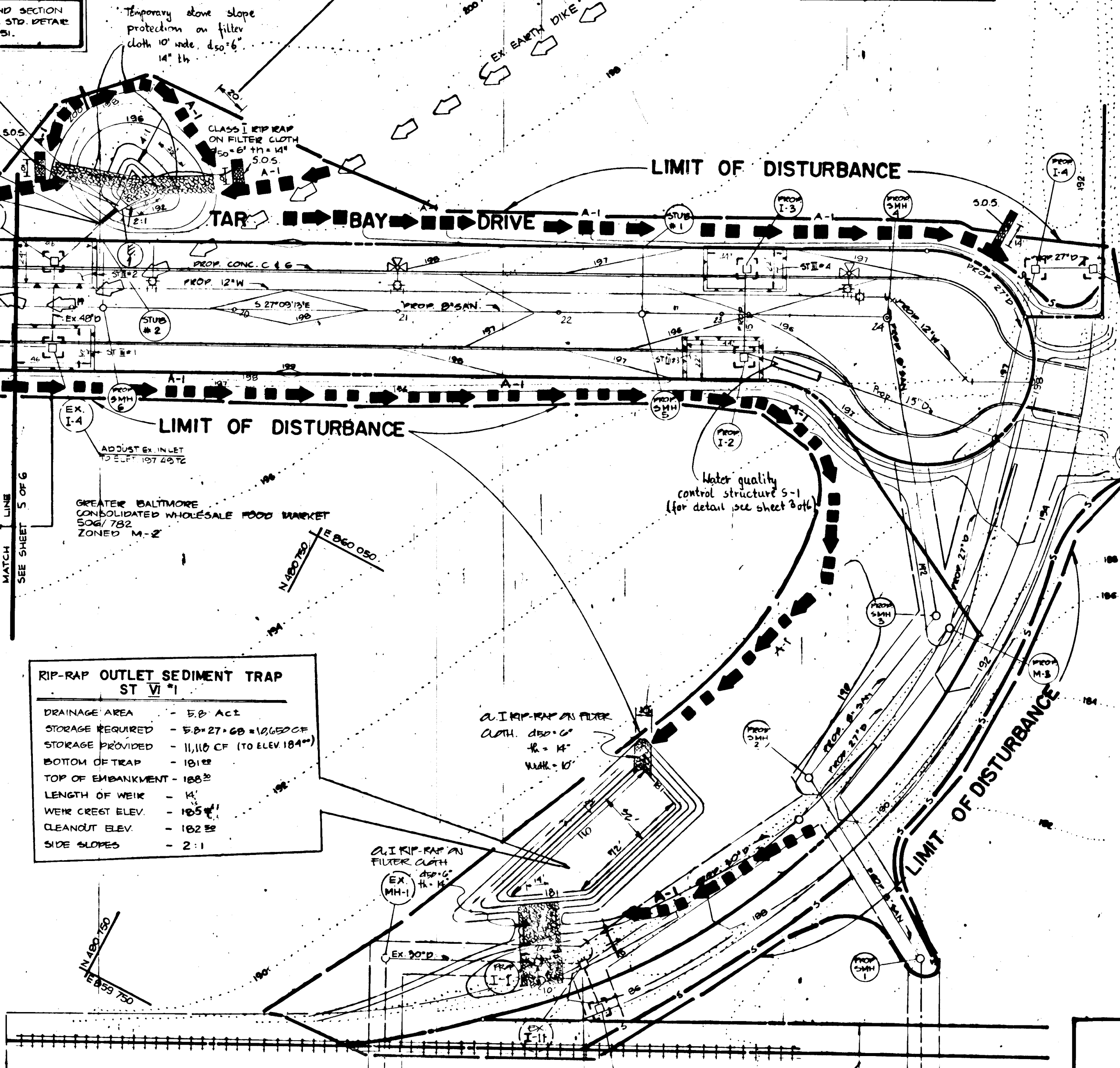
BY	NO.	REVISIONS	DATE

OWNER / DEVELOPER
MARYLAND FOOD CENTER AUTHORITY
201 WEST PRESTON STREET
BALTIMORE, MARYLAND 21201
(301) 225 - 1900

SCALE AS SHOWN
SHEET 5 OF 5

MARYLAND WHOLESALE FOOD CENTER
TAR BAY DRIVE
SEDIMENT & EROSION CONTROL PLAN

HOWARD CO. MD. ELECTION DISTRICT NO. 6
DECEMBER 29, 1988



- MARYLAND DEPARTMENT OF THE ENVIRONMENT
- General notes to be included on all sediment and erosion control plans
- Notification of MDE Enforcement Division (301) 974-2641, at least five (5) days prior to the start of work.
 - Prior to the start of work, the Contractor is to obtain MDE approval of any proposed plan changes and sequence of construction, specifically relating to installation, inspection, maintenance and removal of erosion and sediment control measures.
 - Sediment control measures are not to be removed until the areas served have established vegetative cover, or with the permission of the MDE Enforcement Inspector.
 - When pumping sediment-laden water, the discharge must be directed to an approved sediment trapping measure prior to release from the site.
 - All temporary stockpiles are to be located within areas protected by sediment control measures, and are to be temporarily stabilized.
 - All sediment control dikes, swales, basins and flow lines to basins will be temporarily needed immediately upon installation to reduce the contribution to sediment loading.
 - Disposal of excess earth materials on State or Federal property requires MDE approval, otherwise materials are to be disposed of at a location approved by the local authority.
 - Temporary soil erosion control and sediment control measures are to be provided as per the approved plan prior to grading operations. Location adjustments are to be made in the field as necessary. The minimum area practical shall be disturbed for the minimum possible time.
 - If grading is completed out of a seeding season, graded areas are to be temporarily stabilized by mulch and mulch anchoring. Mulch material shall be unweathered, unchopped small grain straw spread at the rate of 1 1/2 to 2 tons per acre. Mulch anchoring to be accomplished by an approved method, use of a mulch anchoring tool is recommended where possible.
 - Implementation of the sediment control plan shall be in accordance with the "1983 Maryland Standards and Specifications for Soil Erosion and Sediment Control", of the Department.
 - The Contractor is responsible for implementation and maintenance of the approved plan, and all other measures necessary to control, filter, or prevent sediment from leaving the site.
 - In cases where stormwater management structures are a part of site development, removal of sediment control structures may not be accomplished before the contributing drainage area to the stormwater management structure is stabilized. Also, proper diverting of the sediment basin must be accomplished to prevent loss of sediment from the site.
 - On sites where infiltration techniques are utilized for the control of stormwater, extreme care must be taken to prevent all runoff from entering the structure during construction.
 - Sediment control for utility construction:
 - Excavated trench material shall be placed on the high side of the trench.
 - Immediately following pipe installation the trench shall be backfilled, compacted and stabilized at the end of each working day.
 - Temporary silt fence or straw bale dikes shall be placed immediately downstream of any disturbed area intended to remain disturbed longer than one working day.

STANDARD STABILIZATION NOTE:
Following initial soil disturbance or redistribution, permanent or temporary stabilization shall be completed within seven calendar days as to the surface of all perimeter controls, dikes, swales, ditches, perimeter slopes, and all slopes greater than 3 horizontal to 1 vertical (3:1); and fourteen days as to all other disturbed or graded areas on the project site.