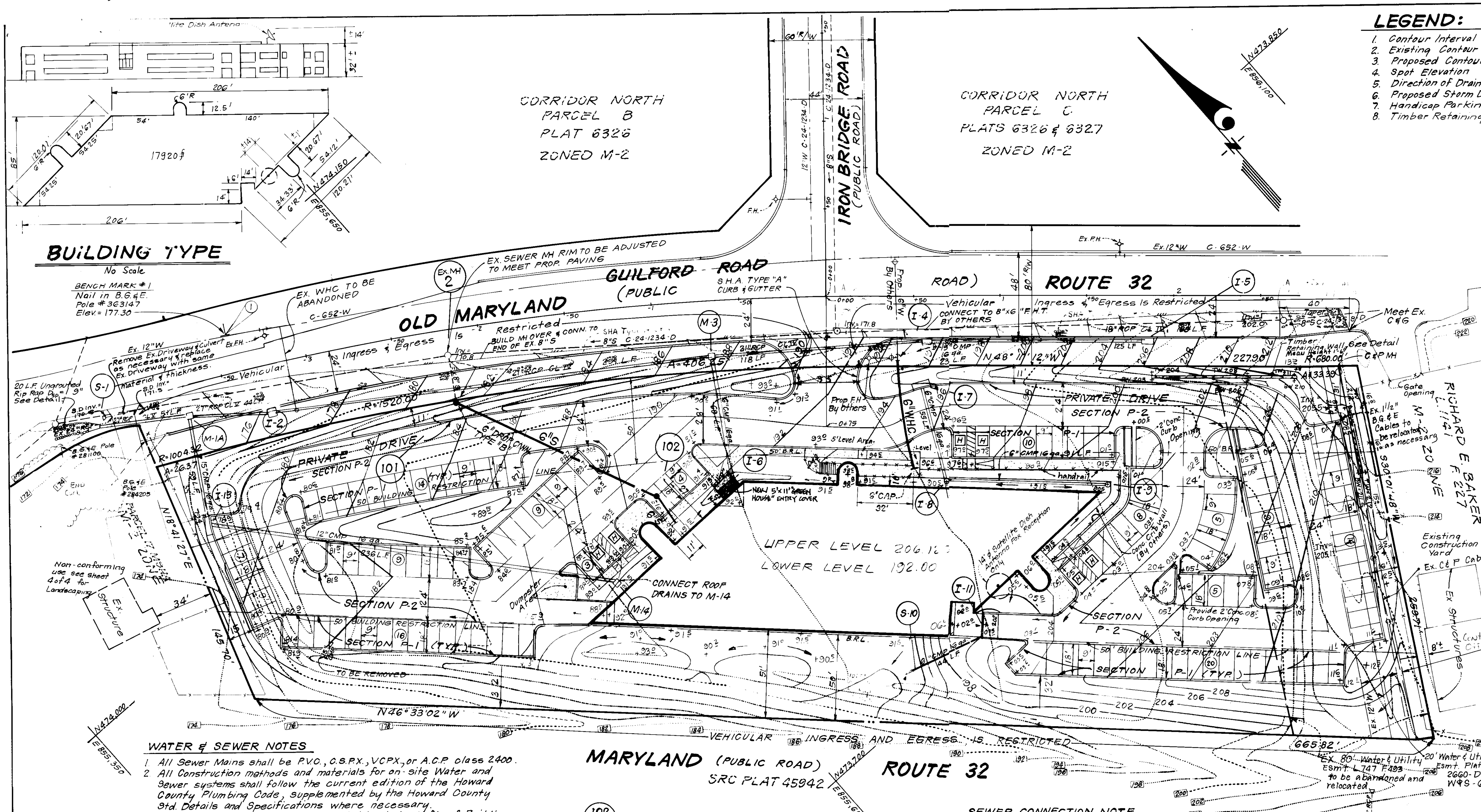
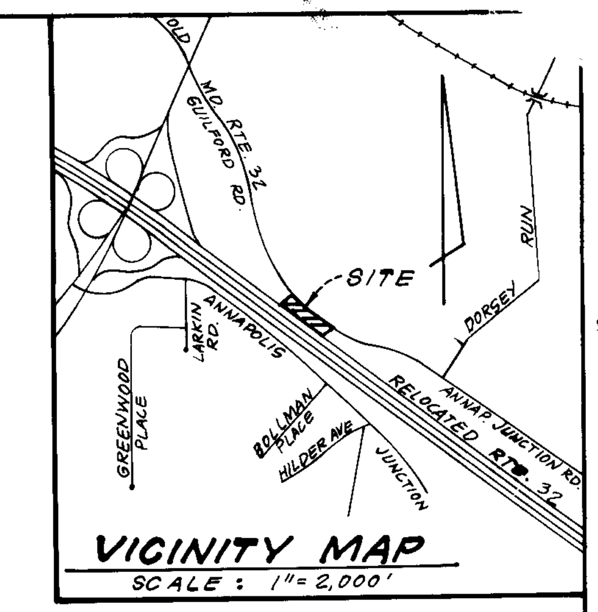


LEGEND:

1. Contour Interval — 2 Ft.
2. Existing Contour — 190
3. Proposed Contour — 190
4. Spot Elevation — +90.5
5. Direction of Drainage
6. Proposed Storm Drain
7. Handicap Parking Spaces — H
8. Timber Retaining Wall



GENERAL NOTES:

1. All materials and construction to be in accordance with Howard County Road Construction Code and Specifications.
2. Trench bedding for storm drainage to be in accordance with Ho. Co. Std. G 2.01.
3. Any damage to county owned rights of way shall be corrected at the developers expense.
4. Installation of Traffic Control Devices shall be in accordance with the latest edition of "The Manual of Uniform Traffic Controls."
5. Topography was compiled from field survey.
6. All driveways to be privately owned and maintained.
7. All coordinates are based on Howard County Geodetic Control Traverse which is based on the Maryland State Plane Coordinate System.
8. Information concerning underground utilities was obtained from available records, but the contractor must determine the exact location and elevation of the mains by digging test pits, by hand, at all utility crossings, well in advance of construction.
9. The contractor or developer shall contact the Construction Inspection / Survey Division 24 hrs. in advance of commencement of work at 992-2417 or 792-7272.
10. The developer agrees to work with the Department of Licenses and Inspections to resolve any problems caused by roof water discharge.
11. All roof drains to be connected to storm drain as shown on plan.
12. Storm Water Management provided in a Central Facility. See previously Approved Plans F-84-179.
13. Handicap parking signs shall be placed in approximate locations shown in plan in accordance with the "Maryland Building Code for the Handicapped" Section 5.01 to 7.05.
14. See Office of Planning & Zoning Files S 83-19, F84-179, VP 84-11 & VP 85-107.

Right-of-way Agreement to Baltimore Gas & Electric Co. L. 1027 F. 539

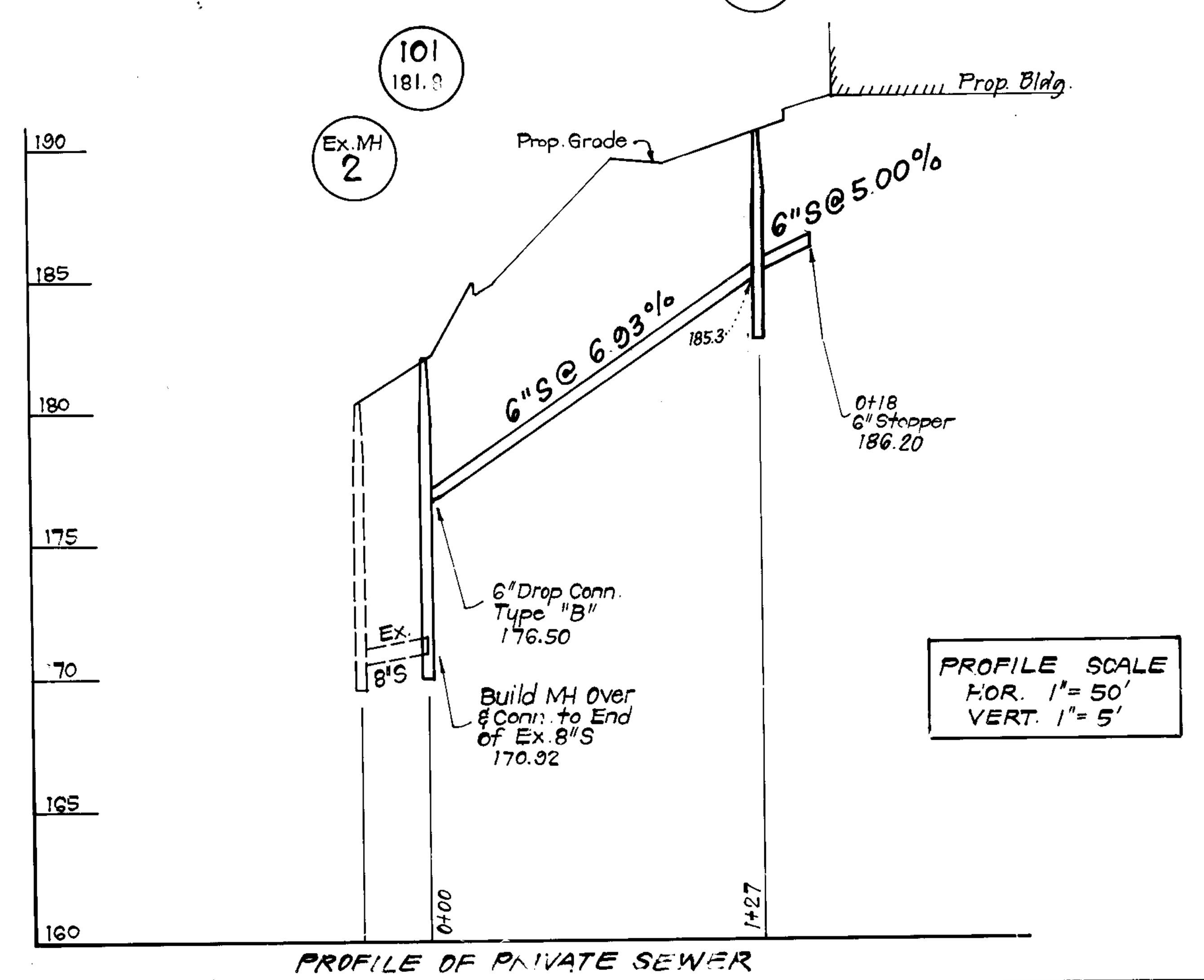
SITE ANALYSIS:

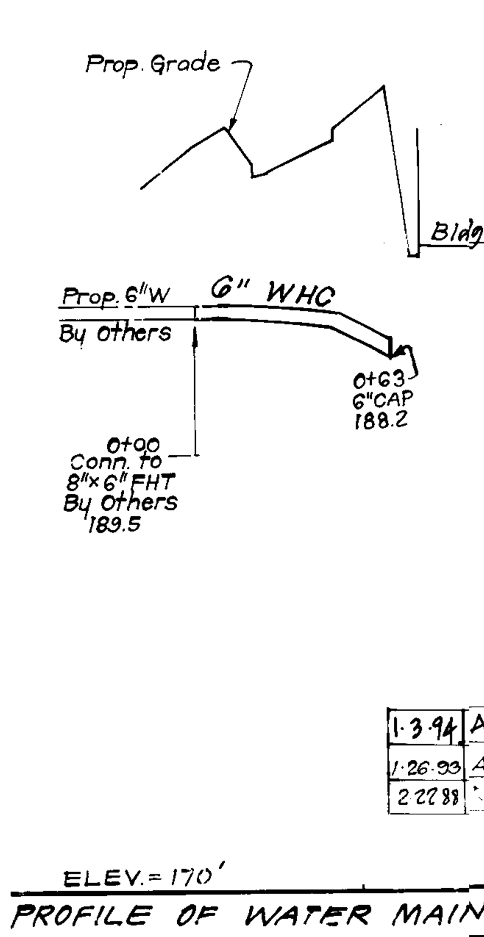
1. Zoning : M-2
2. Area : 3.029 Ac.
3. No. of Parking Spaces Required : 133*
4. No. of Parking Spaces Provided : 133
5. No. of Handicap Parking Required : 6
6. No. of Handicap Provided : 6
7. Use : 50% Office & 50% Manufacturing (Per Each Floor)
8. Building Coverage : 0.413 Ac. = 13.6%
9. Paved Area : 1.286 Ac. = 42.4%
10. Green Area : 1.330 Ac. = 44%
11. All parking and drives are private ; Old Maryland Rte. 32 is public and existing.
12. Net leasable area 32,100 sf (2 Story Building 16,050 sf Each Floor)
13. Maximum number of Office Employees : 142
*14. No. of Parking Spaces Required : Office : 142 x .07 = 100; Manufacturing : 16050 sf x 1/500 sf = 33
15. Area of Parking Lots : 1.286 Ac.
16. Area of Landscaped Islands : 0.14 Ac (10.8%)

WATER & SEWER NOTES

1. All Sewer Mains shall be P.V.C., C.S.P.X., VCPX., or A.C.P. class 2400.
2. All Construction methods and materials for on-site Water and Sewer systems shall follow the current edition of the Howard County Plumbing Code, supplemented by the Howard County Std. Details and Specifications where necessary.
3. Sewer House Connection shall be built within 5 ft. of Building.

9-30-87





PROFILE SCALE
HOR. 1"= 50'
VERT. 1"= 5'

SEWER CONNECTION NOTE

The owner shall provide a seperate and independent sewer connection for each tenant or occupant of any building, shown on this site development plan, who will discharge non-domestic waste to the public sewerage system if this waste is regulated under Section 18.122 A of the Howard County Code. Each separate and independent sewer connection shall included a standard manhole and other waste pretreatment devices as required and approved by Howard County. Waste lines on the interior of the building shall be designed, constructed or modified such that non-domestic waste will be discharged to the separate and independent sewer connection. No tenant or occupant of any building shown on this site development plan shall discharge regulated non-domestic waste to the public sewerage system prior to installation of the separate and independent sewer connection and related interior waste lines. The above requirements shall apply to all initial and future occupants or tenants.

Reviewed for HOWARD S.C.D. and meets Technical Requirements
Signature: [signature] Date: 10/15/87
U.S. Soil Conservation Service

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

Approved ______ Date ______

ENGINEER'S CERTIFICATE

I hereby 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.

Jeffrey L. Schwab — Date 6/10/87

DEVELOPER'S/BUILDER'S CERTIFICATE

"I/We certify that all development and construction will be done according to this plan of development and plan for erosion and sediment control and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Dept. of Natural Resources Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents, as are deemed necessary."

M.V. Dommer III — Signature of Developer/Builder — Date 6-9-87

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT	
COUNTY HEALTH OFFICER	DATE 10-26-87
APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING	
PLANNING DIRECTOR	DATE 11-3-87
CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION	DATE 10-28-87
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS	
DIRECTOR	DATE
CHIEF BUREAU OF ENGINEERING	DATE 10-20-87

Date	REVISION
1-3-94	ADD "GREEN HOUSE" ENTRY COVER
1-26-93	Add Satellite Dish
2-22-88	Rev grading, add ex. esmts, rev Storm drainage
1-11-88	Rev. sidewalk @ front of bldg.
9-87	Raised Bldg. 1'

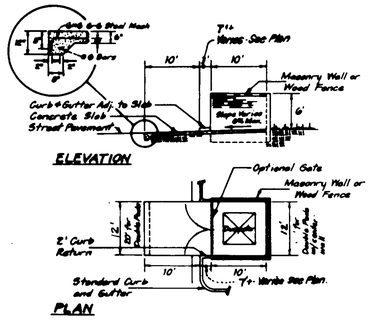
ADDRESS CHART

LOT NUMBER	STREET ADDRESS					
Parcel A	10620 Guilford Road					
SUBDIVISION NAME				SECT/AREA	PARCEL #	
CORRIDOR NORTH				—	A	
PLAT	BLOCK #	ZONE	TAX/ZONE MAP	ELEC. DIST.	CENSUS TR.	
6326	13	M-2	48 P.18	6TH	6064	
WATER CODE			SEWER CODE			
B02			4150000			

CLARK · FINEFROCK & SACKETT
ENGINEERS · PLANNERS · SURVEYORS
7135 MINSTREL WAY, COLUMBIA, MARYLAND 21045 — (301) 381-7500 BALTO. (301) 621-8100 WASH.

DESIGNED JLS	SITE DEVELOPMENT PLAN	SCALE 1" = 30'
DRAWN VLM	PARCEL "A" CORRIDOR NORTH	DRAWING 1 OF 4
CHECKED JLS	6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	JOB NO. 87-037
DATE 6-3-87	FOR: BRITAM 9030 Red Branch Rd., Suite 250 Columbia, Maryland 21045	FILE NO. 87-037-X

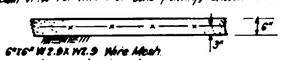
SDP 87-246



DUMPSTER PAD & ENCLOSURE

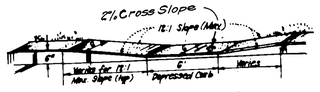
No Scale

Notes:
1. Materials and Construction to be in accordance with Ho. Co. Stds & Specs
2. See plan view for limits of conc. paving, shown thus:



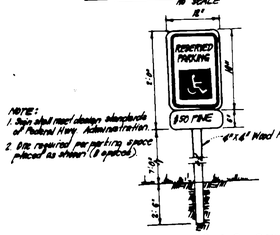
CONCRETE PAVING DETAIL - DUMPSTER AREA

NO SCALE



HANDICAP RAMP DETAILS

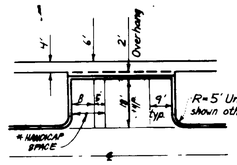
NO SCALE



NOTE:
1. Sign shall meet design standards of Federal Hwy. Administration.
2. Dim. required for parking space placed as shown (if applicable).

HANDICAP PARKING SIGN DETAIL

NO SCALE

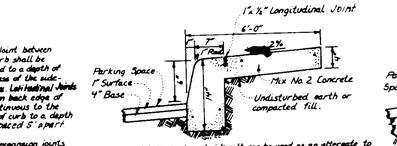


TYPICAL PARKING

NO SCALE

* Two 8' Handicap Spaces may share one 5' Aisle

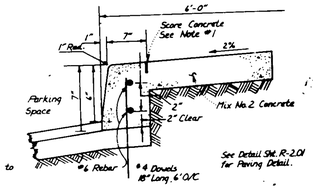
Notes:
1. Longitudinal joint between sidewalk & curb shall be continuous and to a depth of 1/4 the thickness of the sidewalk or 1". Note: Lateral joints shall run from back edge of sidewalk continuous to the bottom face of curb to a depth of 1/4" and spaced 5' apart.
2. Provide 1/4" expansion joints at 15' intervals, in lateral joints to full cross-section.



Note: Monolithic curb and sidewalk can be used as an alternate to reverse 6" curb & gutter where curb is adjacent to sidewalk.

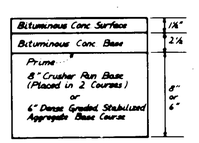
MONOLITHIC CURB & SIDEWALK - PRIVATE PARKING AREA

NO SCALE



ALTERNATE SECTION

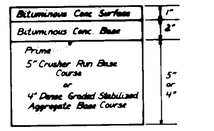
NO SCALE



ALTERNATE PAVING SECTION FOR PUBLIC ROADS

AS REQUIRED

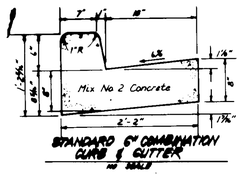
(SECTION P-2)



ALTERNATE PAVING SECTION FOR PARKING AREAS

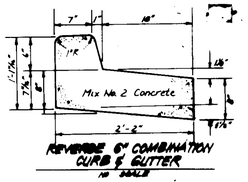
AS REQUIRED

(SECTION P-1)



STANDARD 6" COMBINATION CURB & GUTTER

NO SCALE



REVERSE 6" COMBINATION CURB & GUTTER

NO SCALE

PIPE SCHEDULE

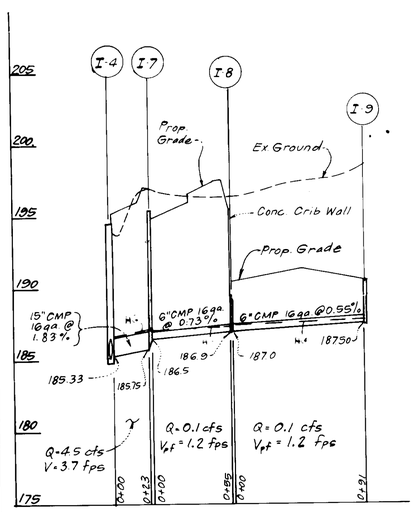
	SIZE	TYPE	LENGTH
*	6"	CMP 16 ga.	259 L.F.
*	12"	CMP 16 ga.	236 L.F.
*	15"	CMP 16 ga.	84 L.F.
	18"	RCP CL IV	188 L.F.
	21*	RCP CL IV	364 L.F.
	27"	RCP CL V	95* L.F.

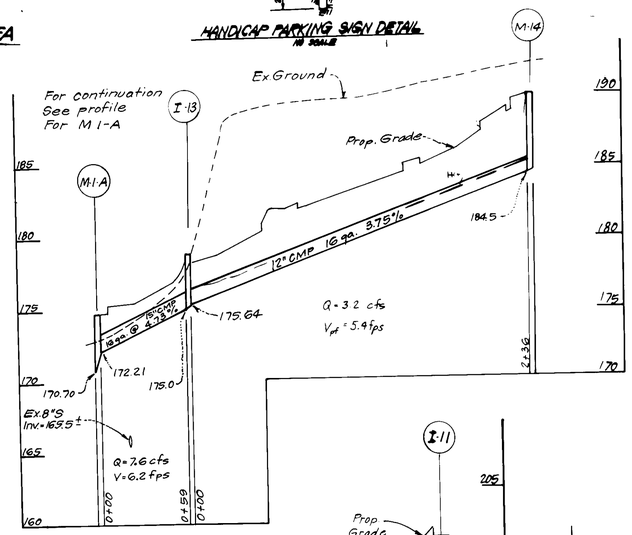
* 2 2/3" x 1/2" Corr.

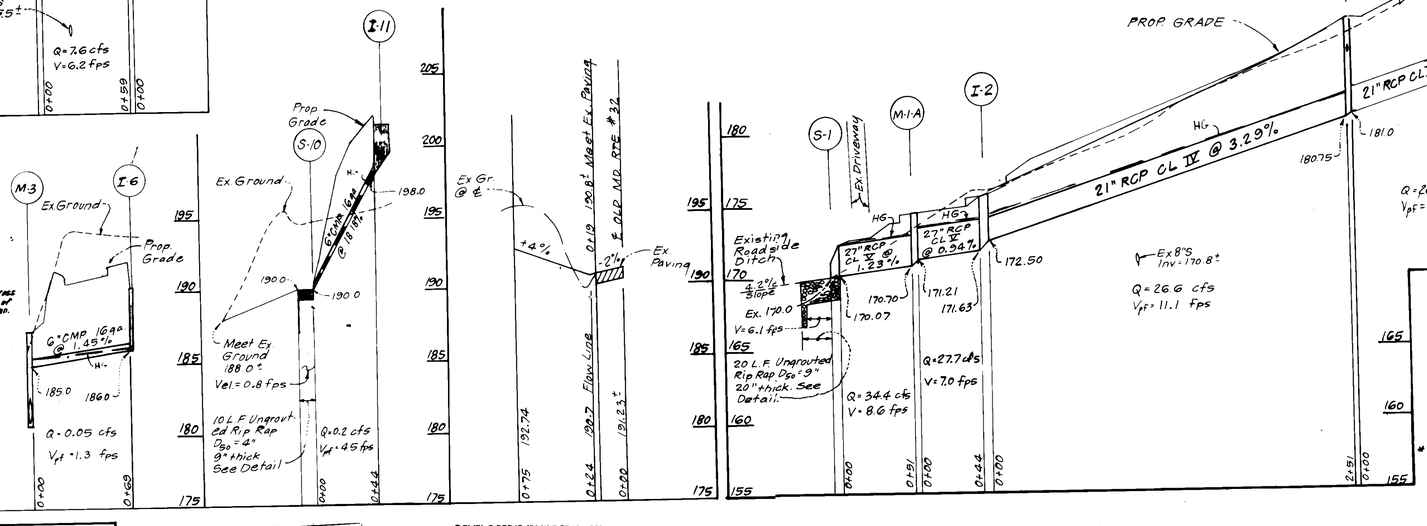
STRUCTURE SCHEDULE Δ

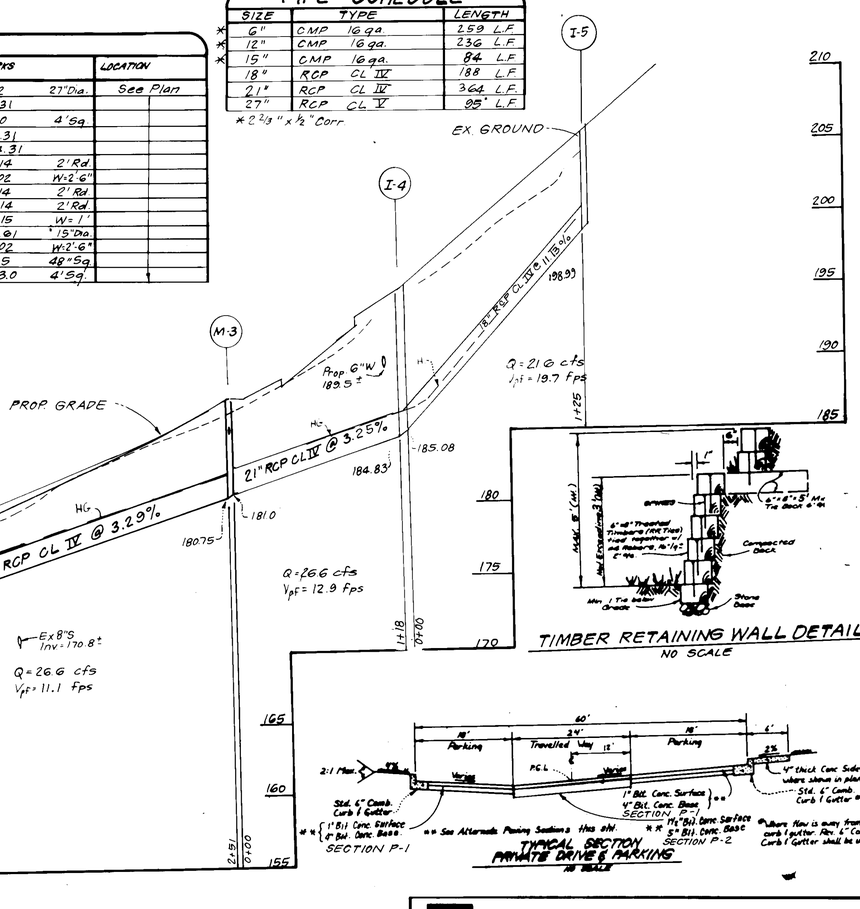
	No.	TYPE	INV. IN	INV. OUT	TOP ELEVATION UPPER	TOP ELEVATION LOWER	REMARKS		LOCATION
	S-1	Conc. End Section	170.07	170.00	—		SHA Std. Md. 368.02	27" Dia.	See Plan
	I-2	Sha. 5' COG	172.50	172.00	—	176.03	SHA Std. Md. 374.31		
	M-3	Std. Shallow Manhole	181.0/180.0	180.75	187.4		SHA Std. Md. 383.0	4' Sq.	
	I-4	SHA 5' COG	185.08/185.33	184.83	195.52	195.18	SHA Std. Md. 374.31		
	I-5	SHA 5' COG	198.99	206.00	206.14	205.68	SHA Std. Md. 374.31		
	I-6	Yard Inlet	—	186.00	190.3		Ho. Co. Std. SD 4.14	2' Rd.	
*	I-7	A-10 W/Deflectors	186.50	185.75	195.84	195.17	Ho. Co. Std. SD 4.02	W=2'6"	
	I-8	Yard Inlet	187.00	186.50	190.5		Ho. Co. Std. SD 4.14	2' Rd.	
	I-9	Yard Inlet	—	187.50	190.5		Ho. Co. Std. SD 4.14	2' Rd.	
	I-11	C-Inlet	—	198.00	201.5		Ho. Co. Std. SD 4.15	W=1'	
	S-12	Metal End Section	171.77	171.65	—		Ho. Co. Std. SD 5.01	15" Dia.	
	I-13	A-10 Inlet	175.64	175.00	179.40	179.56	Ho. Co. Std. SD 4.02	W=2'6"	
	M-14	Shallow Brick Manhole	—	184.50	190.0		Ho. Co. Std. GS 0.5	48" Sq.	
	M-1A	Shallow Brick Manhole	171.21/171.21	170.70	174.8		SHA Std. Md. 383.0	4' Sq.	

Δ All inverts to be fully developed
* See Ho. Co. Std. SD 4.83 for Inlet Deflectors.







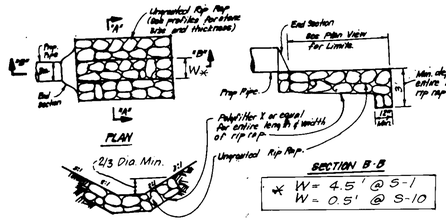


TIMBER RETAINING WALL DETAIL

NO SCALE

TYPICAL SECTION PRIVATE DRIVE & PARKING

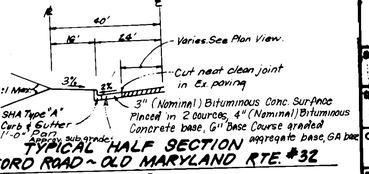
NO SCALE



* W = 4.5' @ S-1
W = 0.5' @ S-10

UNGROUTED RIPRAP PAVING DETAILS

NO SCALE



TYPICAL HALF SECTION GUILFORD ROAD ~ OLD MARYLAND RTE. #32

NO SCALE

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

COUNTY HEALTH OFFICER — DATE 10-26-87

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING

PLANNING DIRECTOR — DATE 11-3-87

CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION — DATE 10-29-87

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

DIRECTOR — DATE 10-30-87

CHIEF BUREAU OF ENGINEERING — DATE 10-29-87

APPROVED
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 9-30-87

Reviewed for HOWARD S.C.D. and meets Technical Requirements
Name
10-15-87
Signature — Date
U.S. Soil Conservation Service

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

Approved — Date

DEVELOPER'S/BUILDER'S CERTIFICATE

"I/We certify that all development and construction will be done according to this plan of development and plan for erosion and sediment control and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Dept. of Natural Resources Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents, as are deemed necessary."

Signature of Developer/Builder — Date

ENGINEER'S CERTIFICATE

I hereby 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.

Jeffrey L. Schwab — 8/21/87
Date

2-22-88	Rev. storm drainage & paving for Rte. 32 per SHA
11-9-87	Rev. Prop. Grade on S.D. profiles
Date	REVISION

CLARK • FINEFROCK & SACKETT
ENGINEERS • PLANNERS • SURVEYORS
7135 MINSTREL WAY, COLUMBIA, MD. 21045 (301) 381-7500 BALTO. (301) 621-8100 WASH.

DESIGNED	JLS
DRAWN	YLM
CHECKED	JLS
DATE	6-3-87

STORM DRAIN PROFILES & PAVING DETAILS
PARCEL "A"

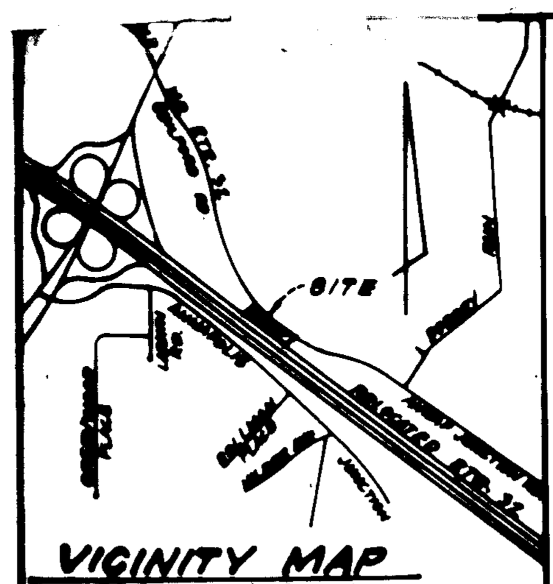
CORRIDOR NORTH

6TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

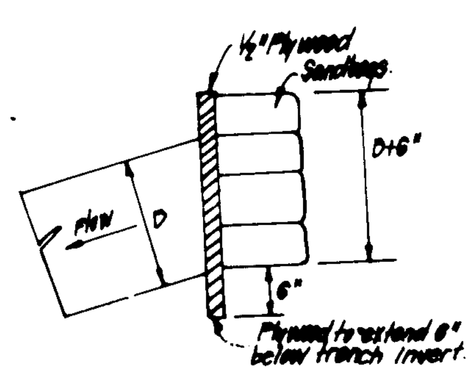
FOR: BRITAM
9030 Red Branch Rd., Suite 250
Columbia, Md. 21045

SCALE AS SHOWN
DRAWING 2 of 4
JOB NO. 87-037
FILE NO. 87-037-X

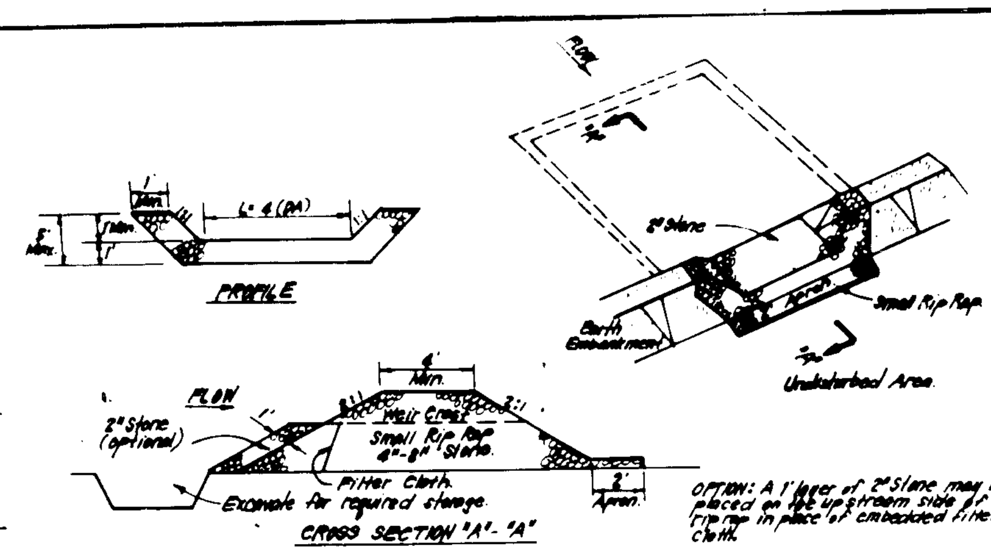
SDP-87-246



VICINITY MAP
SCALE: 1" = 2,000'



PIPE BLOCKING DETAIL
NO SCALE

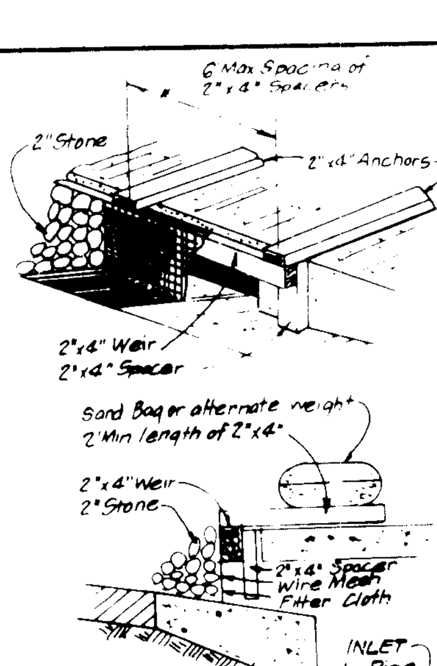


OPTION: A 1' layer of 2" Stone may be placed on the upstream side of the rip rap in place of embedded filter cloth.

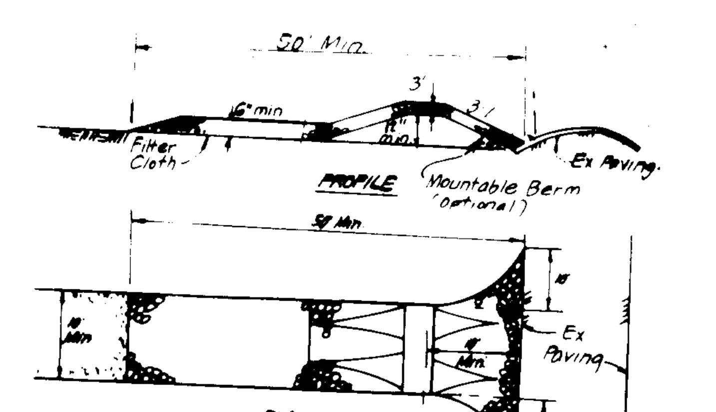
CONSTRUCTION SPECIFICATIONS:

1. Area under embankment 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 roots and other woody vegetation as well as over-sized stones, rocks, organic material or other objectionable material. The embankment shall be compacted by traversing with equipment while it is being constructed.
3. All cut and fill slopes shall be 2:1 or flatter.
4. The stone used in the outlet shall be small rip-rap 4"-8" along with 1' thickness of 2" aggregate placed on the up-grade side on the small rip rap or embedded filter cloth in the rip rap.
5. 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.
6. The structure shall be inspected after each rain and repairs made as needed.
7. Construction operations shall be carried out in such a manner that erosion and water pollution is minimized.
8. The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.

STONE OUTLET SEDIMENT TRAP (S.O.ST.) ST-V
NO SCALE



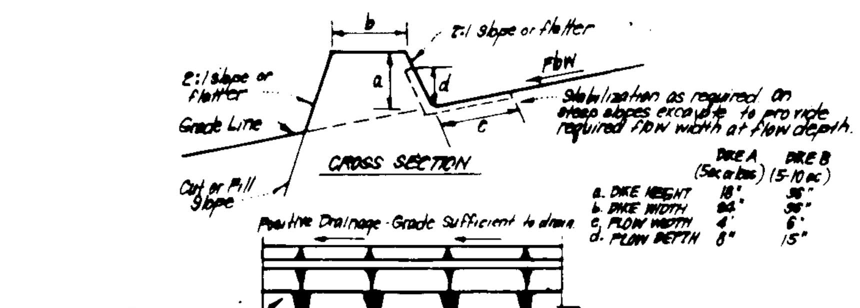
CURB INLET PROTECTION DETAIL
NO SCALE



CONSTRUCTION SPECIFICATIONS:

1. Stone Size - Use 2" stone, or reclaimed or recycled concrete equivalent.
2. Length - As required, but not less than 50 feet (except on a single residence lot where a 30' min length would apply).
3. Thickness - not less than 6".
4. Width - Ten foot min, but not less than the full width at point where ingress/egress occurs.
5. Filter Cloth - Will be placed over the entire area prior to placing of stone. Filter will not be required on a single family residence lot.
6. Surface Water - All surface water flowing or diverted toward construction entrances shall be piped across the entrance.
7. 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.
8. Washing - Wheels shall be cleaned to remove sediment prior to entrance onto public rights of way. When washing is required, it shall be done on an area stabilized with stone and which drains into an approved sediment trapping device.
9. Periodic inspection and needed maintenance shall be provided after each rain.

STABILIZED CONSTRUCTION ENTRANCE (S.C.E.)
NO SCALE



	DIKE A (5 ac or less)	DIKE B (5-10 ac)
a. DIKE HEIGHT	18"	36"
b. DIKE WIDTH	24"	36"
c. FLOW WIDTH	4'	6'
d. FLOW DEPTH	8"	15"

CONSTRUCTION SPECIFICATIONS:

1. All dikes shall be compacted by earth-moving equipment.
2. All dikes shall have positive drainage to an outlet.
3. Top width may be wider and side slopes may be flatter if desired, to facilitate crossing by construction traffic.
4. Field location should be adjusted as needed to utilize a stabilized safe outlet.
5. Earth dikes shall have an outlet that functions with a minimum of erosion. Runoff shall be conveyed to a sediment trapping device such as a sediment trap or sediment basin where either the dike channel or the drainage area above the dike are not adequately stabilized.
6. Stabilization shall be: (A) In accordance with standard specifications for seed and straw mulch or straw mulch if not in seeding season, (B) flow channel as per chart below.

FLOW CHANNEL STABILIZATION

TYPE OF TREATMENT	CHANNEL GRADE	DIKE A	DIKE B
1.	0.5 - 3.0%	Seed & Straw Mulch	Seed or Straw Mulch
2.	3.1 - 5.0%	Seed & Straw Mulch	Seed w/Jute, or Excelsior; Sod; 2" Stone
3.	5.1 - 8.0%	Seed w/Jute, or Sod; 2" Stone	Lined Rip Rap 4"-8" Stone
4.	8.1 - 20.0%	Lined Rip Rap 4"-8" Stone	Engineering Design

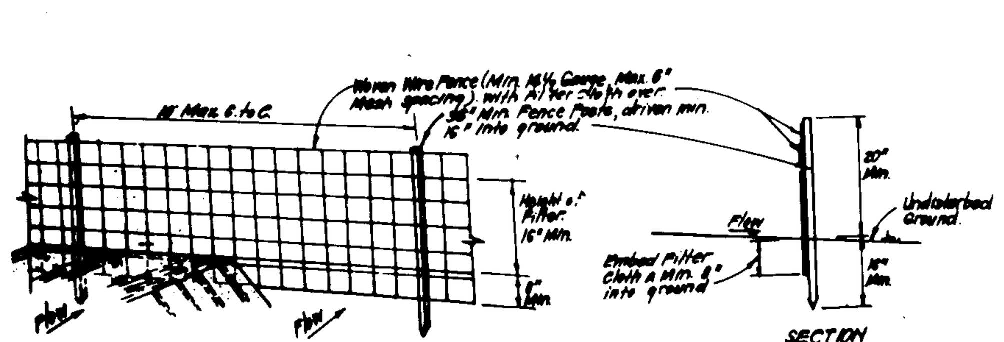
A. Stone to be 2" Stone, or recycled concrete equivalent, in a layer at least 3" thick and be pressed into soil with construction equipment.
B. Rip Rap to be 4"-8" in a layer at least 8" thick, pressed into soil.
C. Approved equivalents can be substituted for any of the above materials.

7. Periodic inspection and required maintenance must be provided after each rain.

EARTH DIKE DETAIL (E.D.)
NO SCALE

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. (992-2437)
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, permanent or temporary stabilization shall be completed within: a) 7 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 disturbed or graded 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, Chaper 12, of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
5) All disturbed areas must be stabilized within the time period specified above in accordance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seedings (Sec. 51) sod (Sec. 54), temporary seeding (Sec. 50) and mulching (Sec. 52.) Temporary stabilization with mulch alone can only be done when recommended seeding 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 permission for their removal has been obtained from the Howard County Sediment Control Inspector
7) Site Analysis:
   - Total Area of Site 3.029 Acres
   - Area Disturbed 2.909 Acres
   - Area to be roofed or paved 2.044 Acres
   - Area to be vegetatively stabilized 0.865 Acres
   - Total Cut 12730 Cu. yds
   - Total Fill 8800 Cu. yds
   - Offsite waste/borrow area location N/A
8) Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
9) Additional sediment control 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 proceeding with any other earth disturbance or grading. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.
11) If houses are to be constructed on an "As-Sold" basis, at random, Single Lot Sediment Control as shown below shall be implemented. N/A
12) All pipes to be blocked at the end of each day (see detail below).
13) The total amount of straw bale dikes/silt fence equals N/A L.F.



CONSTRUCTION SPECIFICATIONS:

1. Woven wire fence to be fastened securely to fence posts with wire ties or staples.
2. Filter Cloth to be fastened securely to woven wire fence with ties spaced every 24" at top and mid section.
3. When 2 sections of filter cloth adjoin each other they shall be overlapped by 6" and folded.
4. Maintenance shall be performed as needed and material removed when "bulges" develop in Silt Fence.

POSTS: Steel either T or U Type or 2" Hardwood.
FENCE: Woven Wire, 14½ Gage 6" Max. Mesh Opening.
FILTER CLOTH: Filter X, Mirafi 100X, Stabilinka, T140N or Approv. equal.
PREFABRICATED UNIT: Geofab, Envirofence, or Approv. equal.

SILT FENCE DETAIL (S)
NO SCALE

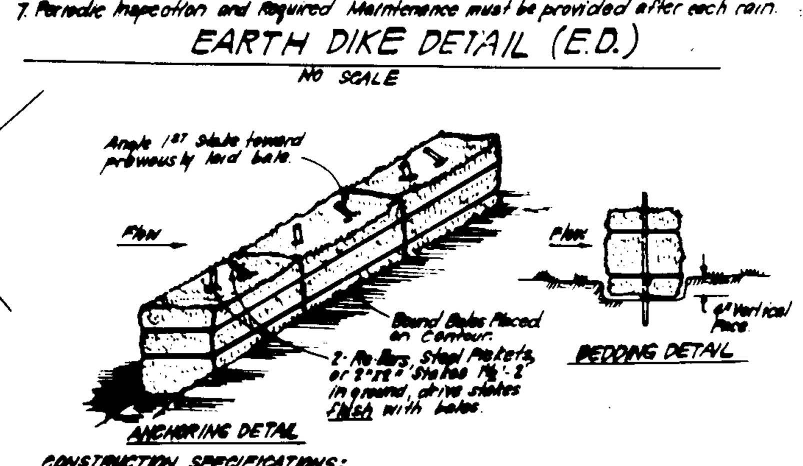
LEGEND:

1. Contour Interval 2 Ft.
2. Existing Contour (180)
3. Proposed Contour 180
4. Direction of Drainage
5. Spot Elevation +80.5
6. Inlet Protection Detail I.P.D.
7. Earth Dike E.D.
8. Stabilized Construction Entrance S.C.E.

CONSTRUCTION SEQUENCE:

1. Obtain Grading Permit ____ 2 Days
2. Construct Sediment & Erosion Control Measures ____ 14 Days
3. Rough Grade Site ____ 30 Days
*4. Construct Storm Drainage & install I.P.D.'s ____ 30 Days
5. Construct Utilities ____ 90 Days
6. Construct Buildings & Paving except paving in area of Trap #1 ____ 120 Days
7. Stabilize all other disturbed areas on site in accordance with Stds. & Specs ____ 14 Days
8. Upon approval of S&E Control Inspector, remove S&E Control and Construct remaining Paving & stabilize ____ 30 Days

* Delay construction of storm drainage between M-1A and I-13 and between I-13 and M-14 to facilitate utilization of Trap #1.

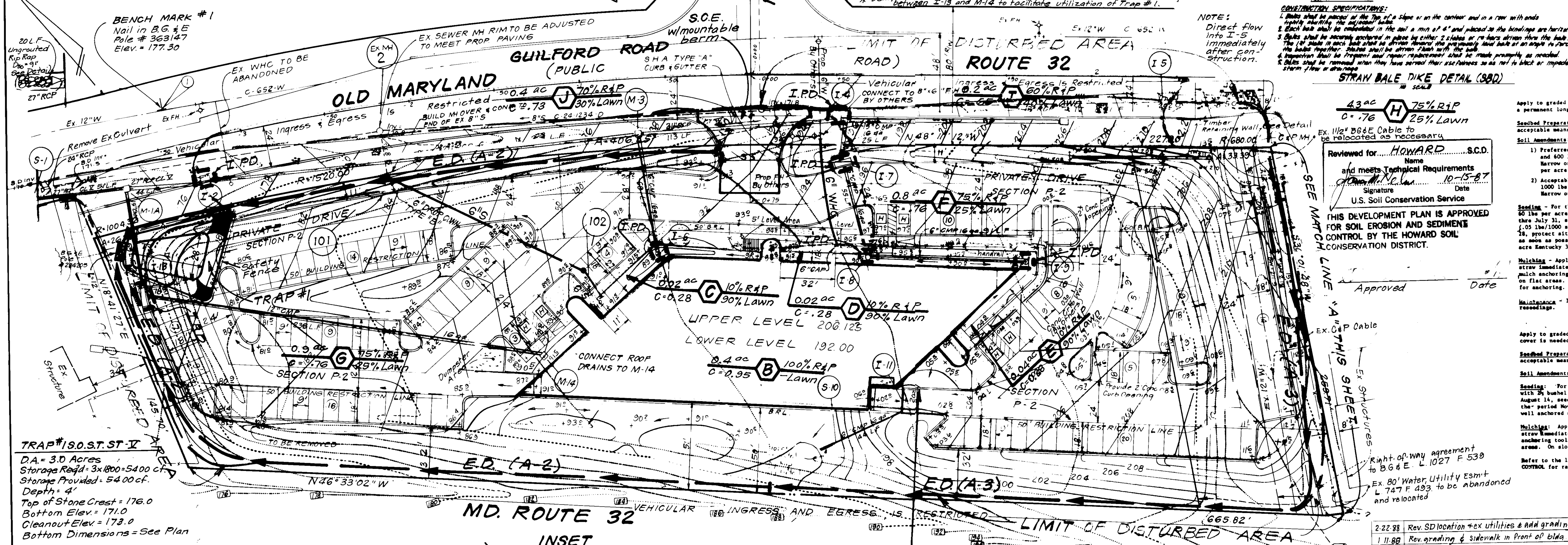


CONSTRUCTION SPECIFICATIONS:

1. Bales shall be placed at the Top of a slope or on the contour and in a row with ends tightly abutting the adjacent bales.
2. Each bale shall be embedded in the soil a min of 4" and placed so the bindings are horizontal.
3. Bales shall be securely anchored in place by either 2 stakes or re-bars driven thru the bale. The 1st stake in each bale shall be driven toward the previously laid bale at an angle to force the bales together. Stakes shall be driven flush with the bale.
4. Inspection shall be frequent and repair replacement shall be made promptly as needed.
5. Bales shall be removed when they have served their usefulness so as not to block or impede storm flow or drainage.

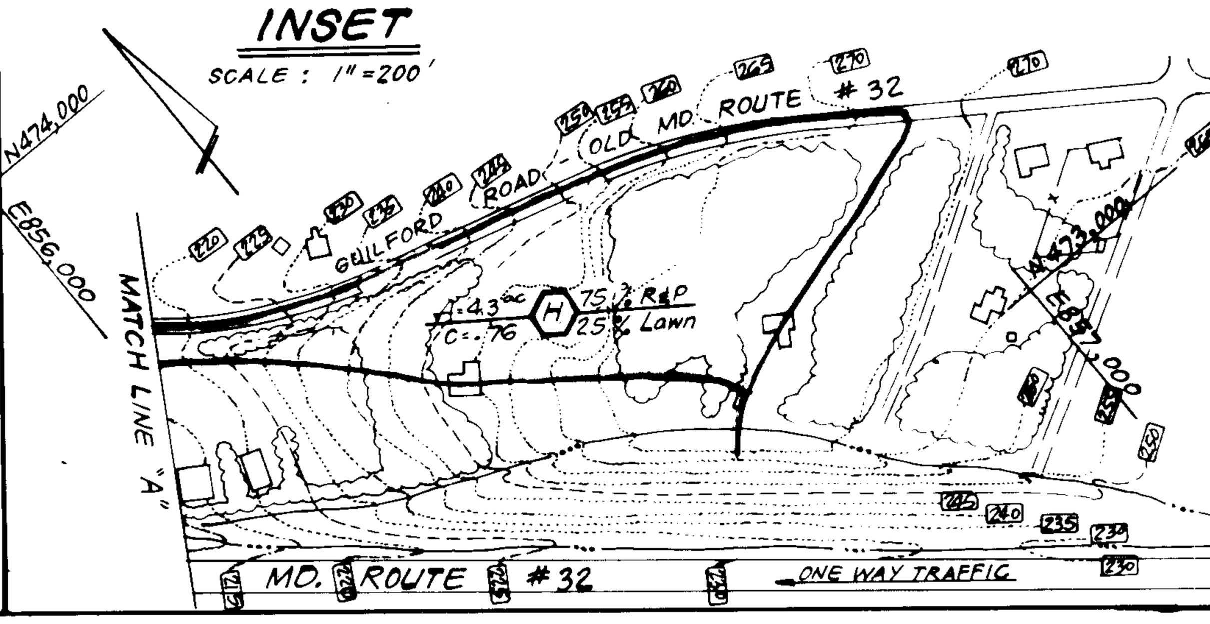
STRAW BALE DIKE DETAIL (SBD)
NO SCALE

NOTE: Direct flow into I-5 immediately after construction.



TRAP #1 S.O.S.T. ST-V
D.A. = 3.0 Acres
Storage Req'd = 3 x 1800 = 5400 cf.
Storage Provided = 5400 cf.
Depth = 4'
Top of Stone Crest = 176.0
Bottom Elev. = 171.0
Cleanout Elev. = 173.0
Bottom Dimensions = See Plan

INSET
SCALE: 1" = 200'



Reviewed for HOWARD S.C.D.
Name
and meets Technical Requirements
Signature 10-15-87 Date
U.S. Soil Conservation Service

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

Approved ____ Date ____

PERMANENT SEEDING NOTES

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

Seedbed Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding.

Soil Amendments: In lieu of soil test recommendations, use one of the following schedules:

1) Preferred - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 square ft) and 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft) before seeding. Harrow or disc into upper three inches of soil. At time of seeding, apply 400 lbs per acre 30-0-0 ureaform fertilizer (9 lbs/1000 sq ft).
2) Acceptable - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq ft) and 1000 lbs per acre 10-10-10 fertilizer (23 lbs/1000 sq ft) before seeding. Harrow or disc into upper three inches of soil.

Seeding - For the periods March 1 thru April 30, and August 1 thru October 15, seed with 60 lbs per acre (1.4 lbs/1000 sq ft) of Kentucky 31 Tall Fescue. For the period May 1 thru July 31, seed with 60 lbs Kentucky 31 Tall Fescue per acre and 2 lbs per acre (.05 lbs/1000 sq ft) of weeping lovegrass. During the period of October 16 thru February 28, protect site by: Option (1) 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring. Option (2) Use sod. Option (3) Seed with 60 lbs/acre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well anchored straw.

Mulching - Apply 1½ to 2 tons per acre (70 to 90 lbs/1000 sq ft) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal/1000 sq ft) for anchoring.

Maintenance - Inspect all seeded areas and make needed repairs, replacements and reseedings.

TEMPORARY SEEDING NOTES

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

Seedbed Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding.

Soil Amendments: Apply 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft)

Seeding: For periods March 1 thru April 30 and from August 15 thru November 15, seed with 2½ bushel per acre of annual rye (3.2 lbs/1000 sq ft). For the period May 1 thru August 14, seed with 3 lbs per acre of weeping lovegrass (.07 lbs/1000 sq ft). For the period November 16 thru February 28, protect site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring, or use sod.

Mulching: Apply 1½ to 2 tons per acre (70 to 90 lbs/1000 sq ft) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gal per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes, 8 ft or higher, use 348 gal per acre (8 gal/1000 sq ft) for anchoring.

Refer to the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for rate and methods not covered.

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT.
COUNTY HEALTH OFFICER — 10-26-87 DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
PLANNING DIRECTOR — 11-3-87 DATE
CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION — 10-28-87 DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.
DIRECTOR — 10-20-87 DATE
CHIEF BUREAU OF ENGINEERING — 10-20-87 DATE

DIVISION OF LAND DEVELOPMENT ZONING ADMINISTRATION HOWARD COUNTY MARYLAND
9-30-87

DEVELOPER'S / BUILDER'S CERTIFICATE

"I/We certify that all development and construction will be done according to this plan of development and plan for erosion and sediment control and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Dept. of Natural Resources Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents, as are deemed necessary."

Signature of Developer/Builder — 8-21-87 Date

ENGINEER'S CERTIFICATE

I hereby 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.

Jeffrey L. Schwab — 8/21/87 Date

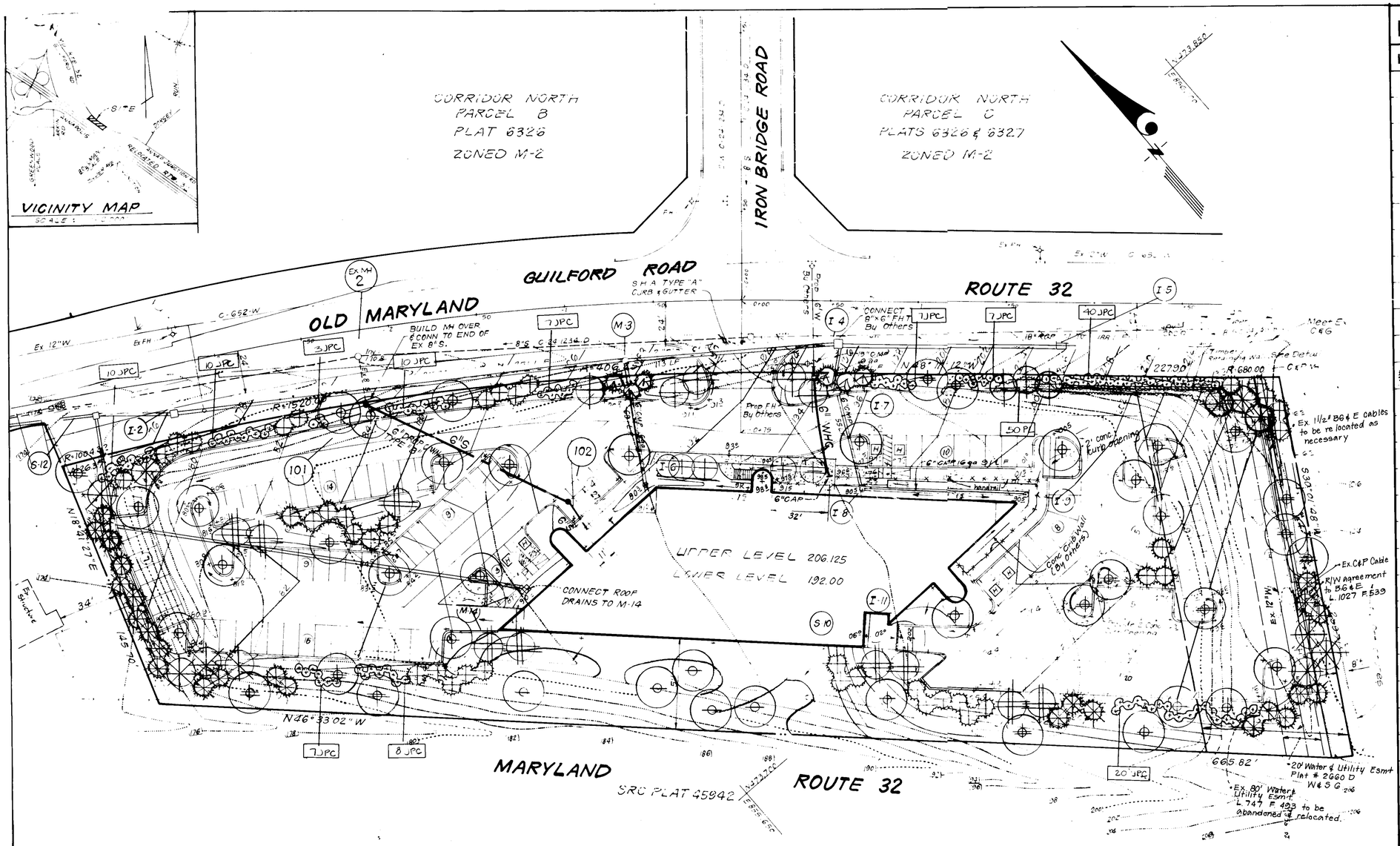
Date	REVISION
2-22-88	Rev. SD location + ex utilities & add grading.
1-11-88	Rev. grading & sidewalk in front of bldg.

SUBDIVISION NAME			SECT/AREA	PARCEL #	
CORRIDOR NORTH			—	A	
PLAT	BLOCK #	ZONE	TAX/ZONE MAP	ELEC. DIST.	CENSUS TR.
6326		M-2	48 P18	6TH	
WATER CODE			SEWER CODE		

CLARK · FINEFROCK & SACKETT
ENGINEERS · PLANNERS · SURVEYORS
7135 MINSTREL WAY, COLUMBIA, MARYLAND 21045 (301) 381-7500 BALTO (301) 621-8100 WASH

DESIGNED	SEDIMENT AND EROSION CONTROL PLAN	SCALE
JLS	PARCEL "A"	1" = 30'
DRAWN	CORRIDOR NORTH	DRAWING
VLM		3 OF 4
CHECKED	6TH ELECTION DISTRICT	JOB NO.
JLS	HOWARD COUNTY, MARYLAND	87-037
DATE	FOR: BRITAM 9030 Red Branch Rd., Suite 250 Columbia, Maryland 21045	FILE NO.
6-3-87		87-037S

SDP-87-246



PLANT SCHEDULE

KEY	PLANT NAME	SIZE	QUANT	REMARKS
	ACER RUBRUM 'RED SUNSET' RED SUNSET MAPLE	2½-3" CAL. 8-10' HT.	21	B & B HEAVY HEADS
	ACER SAC. 'GREEN MOUNTAIN' GREEN MOUNTAIN SUGAR MAPLE		18	
	QUERCUS PALUSTRIS PIN OAK		5	
	PRUNUS SERR. 'KWANZA' KWANZAN CHERRY	2-2½" CAL 8-10' HT.	12	
	ACER GINNALA AMUR MAPLE		9	
	CRATAEGUS PHAENOPYRUM WASHINGTON HAWTHORN		11	
	PINUS STROBUS EASTERN WHITE PINE	6-8' HT.	25	B & B HEAVY
	PINUS THUNBERGII JAPANESE BLACK PINE		39	
	PINUS NIGRA AUSTRIAN PINE		6	
JPC	JUNIPERUS C. PFITZERIANA COMPACTA COMPACT PFITZER JUNIPER	24-30" SP.	129	B & B HEAVY ± 4' O.C.
PL	PYRACANTHA COCCINEA 'LOWBOY' LOWBOY PYRACANTHA	18-24" SP.	50	B & B HEAVY ± 3' O.C.

NOTE:

- CONTRACTOR SHALL VERIFY LOCATION OF UNDERGROUND UTILITIES PRIOR TO DIGGING.
- ALL PLANTING SHALL BE DONE IN ACCORDANCE WITH COLUMBIA HRD. PLANTING SPECIFICATIONS.
- SUBSTITUTIONS MAY BE PERMITTED WITH THE APPROVAL OF THE LANDSCAPE ARCHITECT, (621-8100).

8-31-87 REVISED AS PER COUNTY COMMENTS (COMPATABLE ELEMENTS).
7-9-87 REVISED TO MEET H.R.D. STANDARDS.

APPROVED
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 9-30-87

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS. HOWARD COUNTY HEALTH DEPARTMENT
COUNTY HEALTH OFFICER — DATE 11-26-87

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
PLANNING DIRECTOR — DATE 11-3-87
CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION — DATE 10-28-87

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DIRECTOR — DATE 10/20/87
CHIEF BUREAU OF ENGINEERING — DATE 10-20-87

Date	REVISION
2-22-88	Rev. grading, added comm'ts. Revised storm drainage.
1-11-87	Raise bldg. 1' Rev grading, change sidewalk front of bldg.

STATE OF MARYLAND — RICHARD B. LEE — No. 2 — REGISTERED LANDSCAPE ARCHITECT

CLARK • FINEFROCK & SACKETT
ENGINEERS • PLANNERS • SURVEYORS
11315 LOCKWOOD DRIVE • SILVER SPRING, MARYLAND 20904 • 301 593-6820

DESIGNED RBN	**LANDSCAPE PLANTING PLAN** PARCEL "A" CORRIDOR NORTH 6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE 1" = 20'
DRAWN RBN		DRAWING 4 OF 4
CHECKED WHT		JOB NO. 87-037
DATE 6-2-87	FOR: BRITAM 9020 RED BRANCH ROAD SUITE 250 COLUMBIA, MD 21045	FILE NO. 87-037-LS

SDP-87-246