

SHEET INDEX

No.	DESCRIPTION
1	TITLE SHEET
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7	PLANTING PLAN

GENERAL NOTES

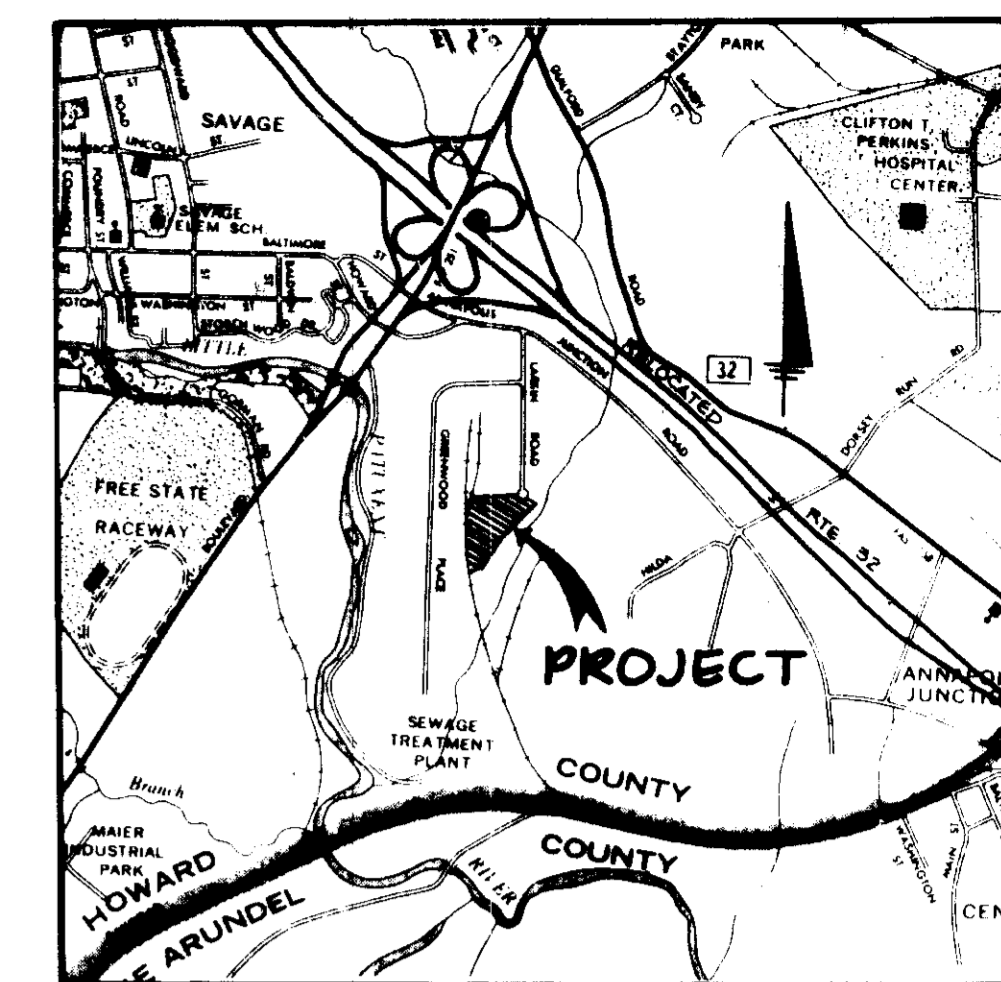
- ALL WATER LINES SHALL BE CONSTRUCTED A MINIMUM OF 42" COVER BELOW FINISHED GRADE.
- CORRUGATED STEEL PIPE SECTIONS WILL BE JOINED WITH A SINGLE OR TWO PIECE CORRUGATED BAND WITH A WATERTIGHT NEOPRENE GASKET. DIMPLE BAND CONNECTORS WILL NOT BE PERMITTED.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, I.E., STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION.
- APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED DUE TO CONTRACTOR'S OPERATION SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL TEST PIT EXISTING UTILITIES, WHERE DIRECTED BY THE ENGINEER, A MINIMUM OF TWO WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS.
- CONTRACTOR TO NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS:

MISS UTILITY	559-0100
C & P TELEPHONE COMPANY	725-9976
HOWARD COUNTY BUREAU OF UTILITIES	992-2366
AT&T CABLE LOCATION DIVISION	393-3553
BALTIMORE GAS AND ELECTRIC COMPANY	685-0123
STATE HIGHWAY ADMINISTRATION	531-5533
HOWARD COUNTY CONSTRUCTION/INSPECTION SURVEY DIVISION (24 HOURS NOTICE PRIOR TO COMMENCEMENT OF WORK)	792-7272
- ALL INLETS SHALL BE CONSTRUCTED IN ACCORDANCE WITH HOWARD COUNTY STANDARDS.
- ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
- THE CONTRACTOR SHALL PROVIDE A JOINT IN ALL SEWER MAINS WITHIN 2'-0" OF EXTERIOR MANHOLE WALLS.
- PROFILE STATIONS SHALL BE ADJUSTED AS NECESSARY TO CONFORM TO PLAN DIMENSIONS.
- NO PIPE SHALL BE LAID UNTIL LINES OF EXCAVATION HAVE BEEN BROUGHT TO SUBGRADE.
- TOPO TAKEN FROM FIELD RUN SURVEY DATED JANUARY, 1985 BY TOM TYDINGS & ASSOC.
- ALL PLAN DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
- ALL STORM DRAIN PIPE BEDDING SHALL BE CLASS 'C' AS SHOWN IN FIG. 11.4 IN VOLUME I OF HOWARD COUNTY DESIGN MANUAL UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- THE DEVELOPER IS RESPONSIBLE FOR THE ACQUISITION OF ALL EASEMENTS, RIGHTS AND/OR RIGHTS-OF-WAY THAT MAY BE REQUIRED FOR THE SEDIMENT AND EROSION CONTROL PRACTICES, STORM WATER MANAGEMENT PRACTICES AND THE DISCHARGE OF STORM WATER ONTO OR ACROSS ADJACENT OR DOWNSTREAM PROPERTIES INCLUDED IN THIS PLAN. HE IS ALSO RESPONSIBLE FOR THE ACQUISITION OF ALL EASEMENTS, RIGHTS AND/OR RIGHTS-OF-WAY THAT MAY BE REQUIRED FOR GARDING AND/OR WORK ON ADJACENT PROPERTIES INCLUDED IN THIS PLAN.
- THE STORM WATER MANAGEMENT FOR THIS PROJECT WAS PROVIDED UNDER CONTRACT F 75-57

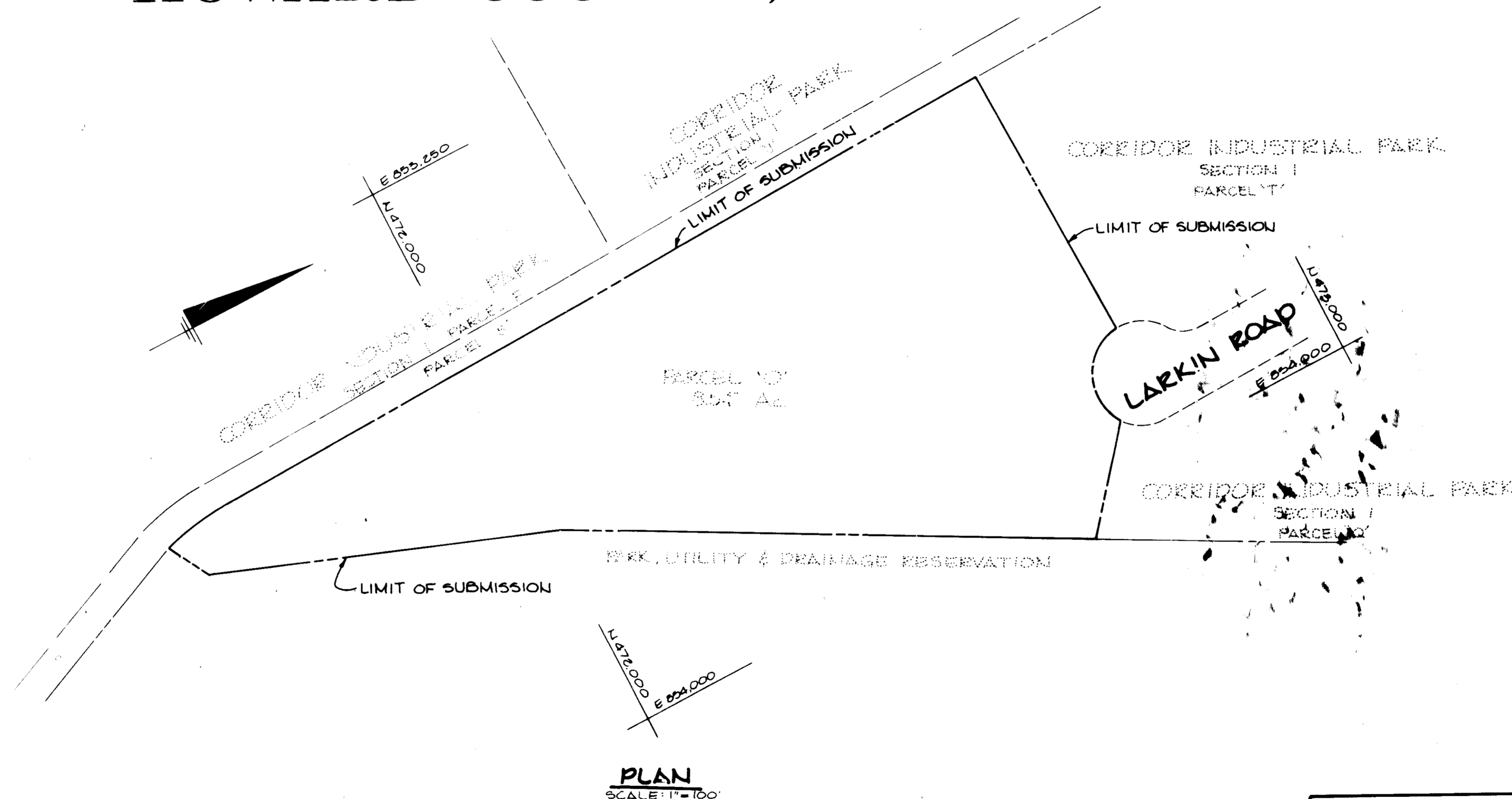
SITE TABULATION

Zoning	M-2
Total Area	8.547 Acres (372,307 sf)
Building Coverage	150,000 sf (40.3%)
Parking:	
Building = 150,000 sf gross area	
15% Office = 22,500 sf + 150 sf/employee = 130 employees	
@ 7 spaces/10 employees	= 105 spaces
Warehouse Use = 5 tenants/25 employees per tenant = 125 employees	
@ 1 space/2 employees	= 63 spaces
Total Required Parking	170 spaces
Total Parking Provided (includes 7 handicapped spaces)	193 spaces
Open Space Required (20%)	74,462 sf
Open Space Provided (23.2%)	86,416 sf
Proposed Building will be a Single-Story Structure.	

SITE DEVELOPMENT PLAN PARCEL 0 CORRIDOR INDUSTRIAL PARK SECTION ONE 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND



VICINITY MAP
SCALE: 1" = 2000'



PLAN
SCALE: 1" = 100'

NORTHWEST ELEVATION

SCALE: 1" = 40'

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.
James M. Boyd, M.D., F.E.C. 7/12/85
 COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.
Donald J. Harty 7-19-85
 PLANNING DIRECTOR DATE

Robert M. Hershman 7-19-85
 CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Don F. Nemy 7-19-85
 DIRECTOR DATE

Robert E. Quinn 7-19-85
 CHIEF, BUREAU OF ENGINEERING DATE

DATE	NO.	REVISION

OWNER/DEVELOPER
 CRYSEN CORRIDOR LIMITED PARTNERSHIP
 710 AMERICAN CITY BUILDING
 COLUMBIA, MARYLAND 21045

PROJECT
CORRIDOR INDUSTRIAL PARK SECTION I PARCEL 0

AREA TAX MAP NO. 47 PARCEL 0
 CORRIDOR INDUSTRIAL PARK
 6TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

TITLE
TITLE SHEET

THE RIEMER GROUP, INC.
 The Riemer Group, Inc. A Land Planning, Design & Civil Engineering Firm
 3105 Health Park Drive, Ellicott City, Maryland 21043 (301) 461-2690

7-9-85
 DATE

DESIGNED BY: J.D.
 DRAWN BY: P.E.P.
 PROJECT NO: 15500
 DATE: 3/26/85
 SCALE: AS SHOWN
 DRAWING NO. 1 OF 7

Arthur E. Muegge
 ARTHUR E. MUEGGE 7/2/85

ADDRESS CHART	
LOT NUMBER	STREET ADDRESS
PARCEL 0	8750 LARKIN ROAD

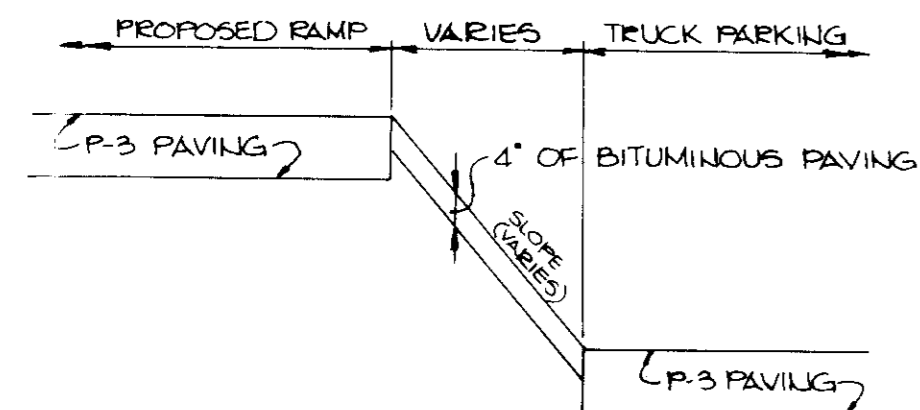
SUBDIVISION NAME	BLK.	AREA	LOT/Parcel
CORRIDOR INDUSTRIAL PARK	SECTION I	PARCEL 0	
PLAT BOOK 31	18	47	6
PLAT NO. 12	M-2	47	6
WATER CODE			

APPROVED
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
 DATE **5-26-85**

STRUCTURE SCHEDULE

NO.	TYPE	LOCATION	INV./IN	INV./OUT	ELEV.	REMARKS
I-1	15" CORR. INLET	SEE PLAN	145.60	144.44	158.6	Ho. Co. Std. SD 4.12
I-2	"K" INLET	SEE PLAN	147.84	147.64	156.0	Ho. Co. Std. SD 4.12
I-3	"K" INLET	SEE PLAN	152.00	151.80	156.0	Ho. Co. Std. SD 4.12
I-4	"A-10" INLET	SEE PLAN	---	147.68	154.6	Ho. Co. Std. SD 4.02
E-1	30" CONCRETE END SECTION	SEE PLAN	---	135.90	---	Ho. Co. Std. SD 5.51
E-2	15" CONCRETE END SECTION	SEE PLAN	---	136.50	---	Ho. Co. Std. SD 5.51
M-1	5'-0" DIAMETER MANHOLE	SEE PLAN	136.28	136.08	*141.8	Ho. Co. Std. G 5.13
M-2	5'-0" DIAMETER MANHOLE	SEE PLAN	146.98	146.78	*160.36	Ho. Co. Std. G 5.13
M-3	5'-0" DIAMETER MANHOLE	SEE PLAN	150.08	150.18	*158.0	Ho. Co. Std. G 5.13
I-5	"K" INLET	SEE PLAN	---	152.62	*157.65	Ho. Co. Std. SD 4.12
M-5	4'-0" DIAMETER MANHOLE	SEE PLAN	139.46	139.21	*145.5	Ho. Co. Std. G 5.12

* ELEVATIONS AT RIM OR TOP OF GRATE.
 ** ELEVATIONS AT SWALE INVERT



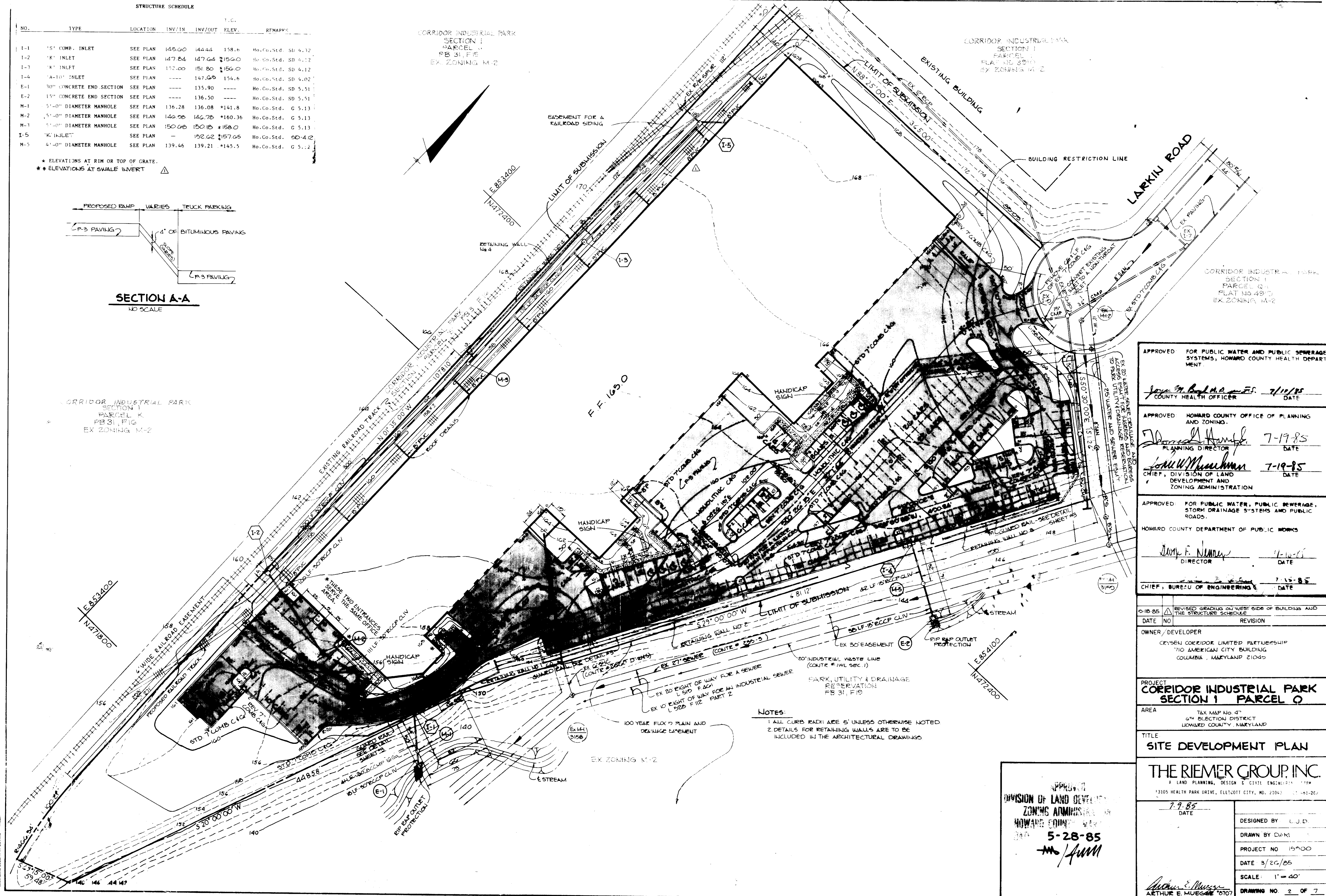
SECTION A-A
NO SCALE

CORRIDOR INDUSTRIAL PARK
SECTION 1
PARCEL K
PB 31, FIG
EX ZONING M-2

CORRIDOR INDUSTRIAL PARK
SECTION 1
PARCEL J
PB 31, FIG
EX ZONING M-2

CORRIDOR INDUSTRIAL PARK
SECTION 1
PARCEL Q
PLAT NO 8910
EX ZONING M-2

CORRIDOR INDUSTRIAL PARK
SECTION 1
PARCEL Q
PLAT NO 4910
EX ZONING M-2



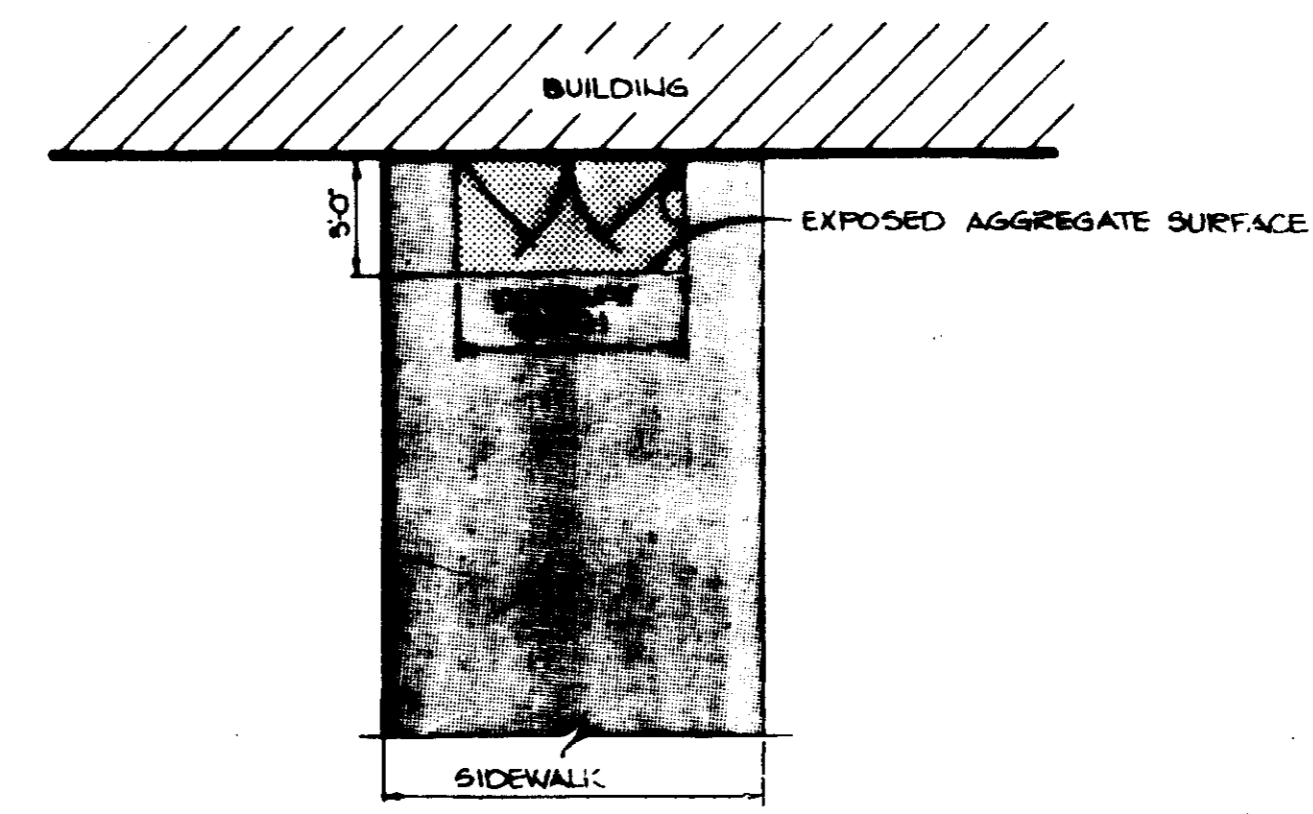
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.	<i>Joyce M. Boyd, M.D.</i>	7-19-85
COUNTY HEALTH OFFICER		DATE
APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING.	<i>Donald Rumpf</i>	7-19-85
PLANNING DIRECTOR		DATE
APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.	<i>John W. Muehlen</i>	7-19-85
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION		DATE
APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.	<i>John F. Nunn</i>	7-19-85
DIRECTOR		DATE
CHIEF, BUREAU OF ENGINEERING		DATE

0-18-85	REVISOR	REVISION
DATE	NO.	
OWNER/DEVELOPER		
CRYSEN CORRIDOR LIMITED PARTNERSHIP 710 AMERICAN CITY BUILDING COLUMBIA, MARYLAND 21045		
PROJECT		
CORRIDOR INDUSTRIAL PARK SECTION 1 PARCEL Q		
AREA		
TAX MAP NO. 47 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND		
TITLE		
SITE DEVELOPMENT PLAN		

THE RIEMER GROUP, INC.	
A LAND PLANNING, DESIGN & CIVIL ENGINEERING FIRM	
13105 HEALTH PARK DRIVE, ELLICOTT CITY, MD. 21043 (301) 481-2600	
DATE	7-9-85
DESIGNED BY	C.J.D.
DRAWN BY	D.A.K.
PROJECT NO.	15900
DATE	3/20/85
SCALE	1" = 40'
DRAWING NO.	2 OF 7

NOTES:
 1 ALL CURB RADI ARE 6' UNLESS OTHERWISE NOTED
 2 DETAILS FOR RETAINING WALLS ARE TO BE INCLUDED IN THE ARCHITECTURAL DRAWINGS

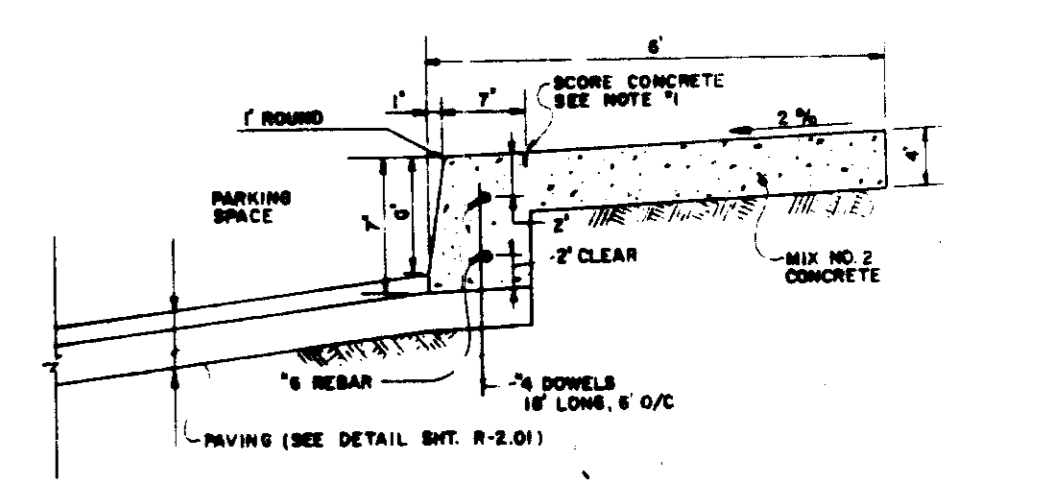
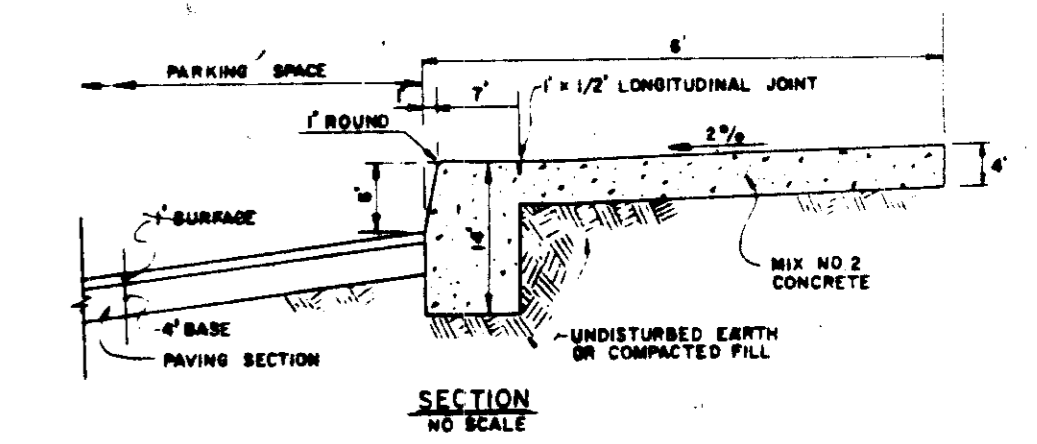
APPROVED
 DIVISION OF LAND DEVELOPMENT
 ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 5-28-85
[Signature]



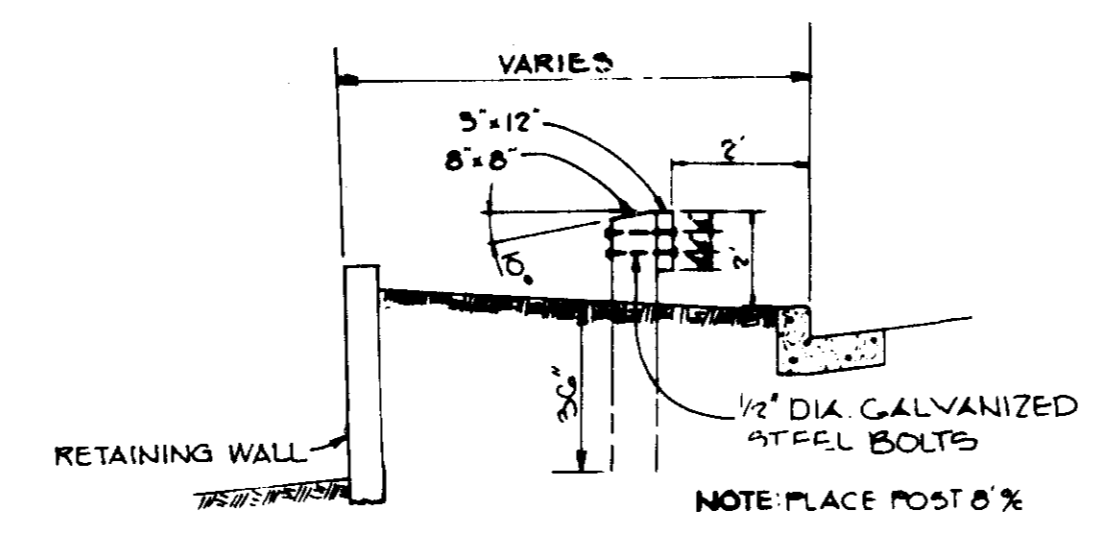
DETAIL BUILDING ENTRANCE TEXTURAL IDENTIFICATION FOR THE BLIND
NO SCALE

NOTE TO BE USED FOR ALL BUILDING ENTRANCES EXCEPT THOSE THAT ARE EXCLUSIVELY FIRE EXITS

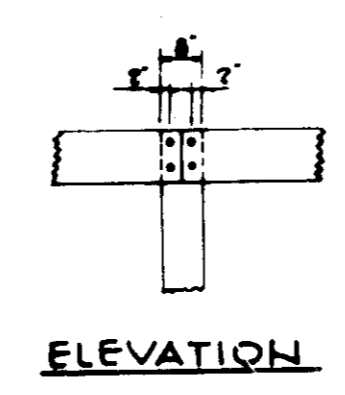
NOTES
1. LONGITUDINAL JOINT BETWEEN SIDEWALK AND CURB SHALL BE CONTINUOUS AND TO A DEPTH OF 1/4 THE SIDEWALK THICKNESS OR 1" MAX. LATITUDINAL JOINTS SHALL RUN FROM BACK EDGE OF SIDEWALK, CONTINUOUS TO THE BOTTOM FACE OF CURB TO A DEPTH OF 1/4" AND SPACED 5' APART.
2. PROVIDE 1/2" EXPANSION JOINTS AT 15' INTERVALS IN LATITUDINAL JOINTS TO FULL CROSS-SECTION



ALTERNATE SECTION
MONOLITHIC CURB & SIDEWALK
NO SCALE



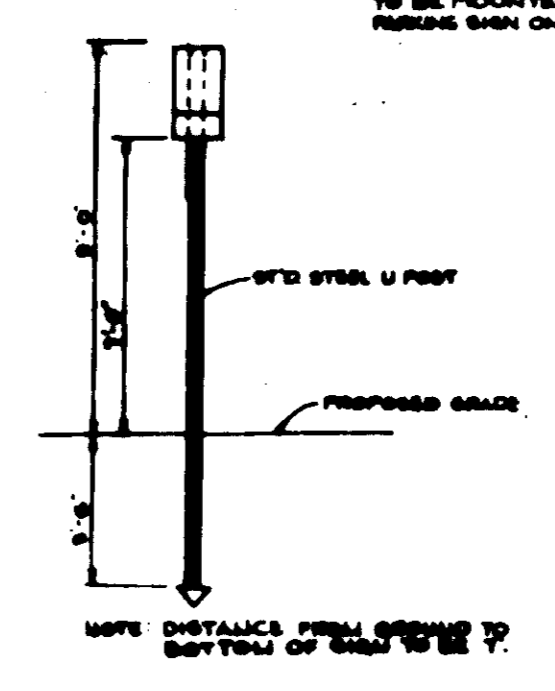
SECTION
GUARDRAIL DETAIL
NO SCALE



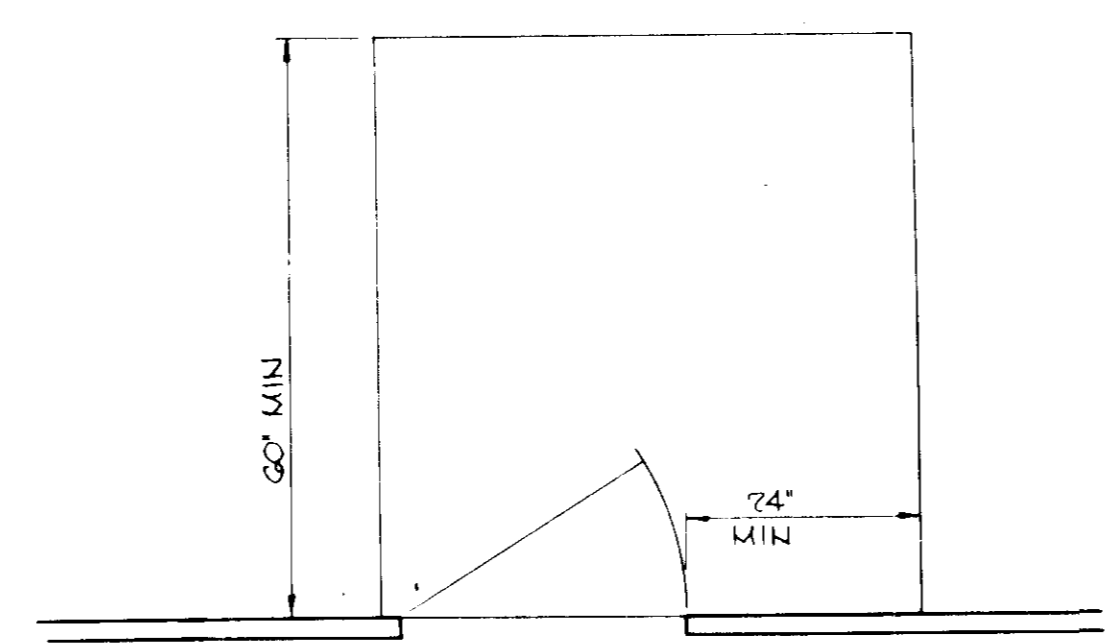
ELEVATION



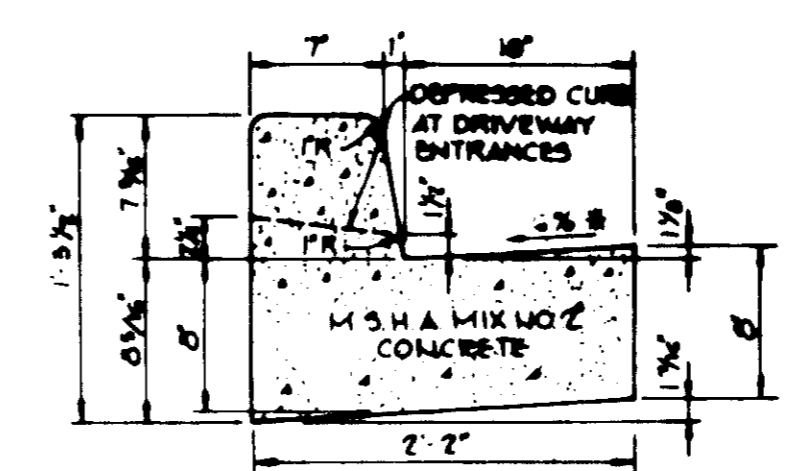
HANDICAP SIGN
NO SCALE



NOTE: DISTANCE FROM GRADE TO BOTTOM OF SIGN TO BE 7"

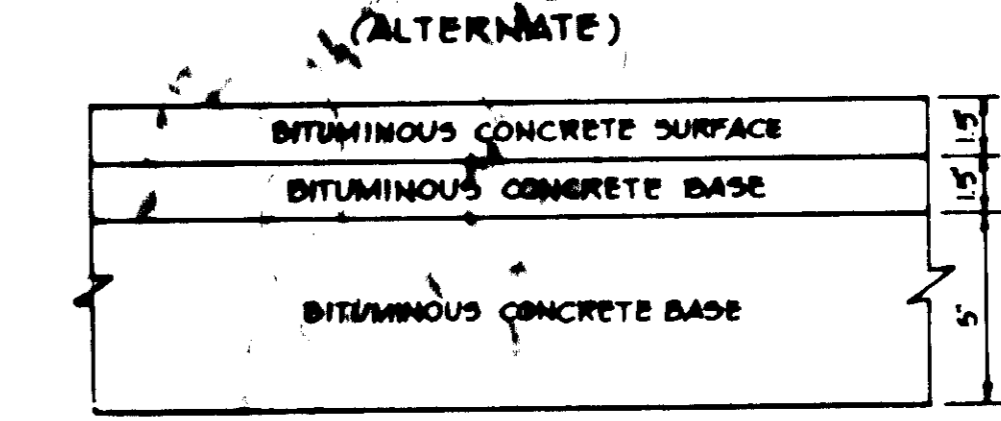
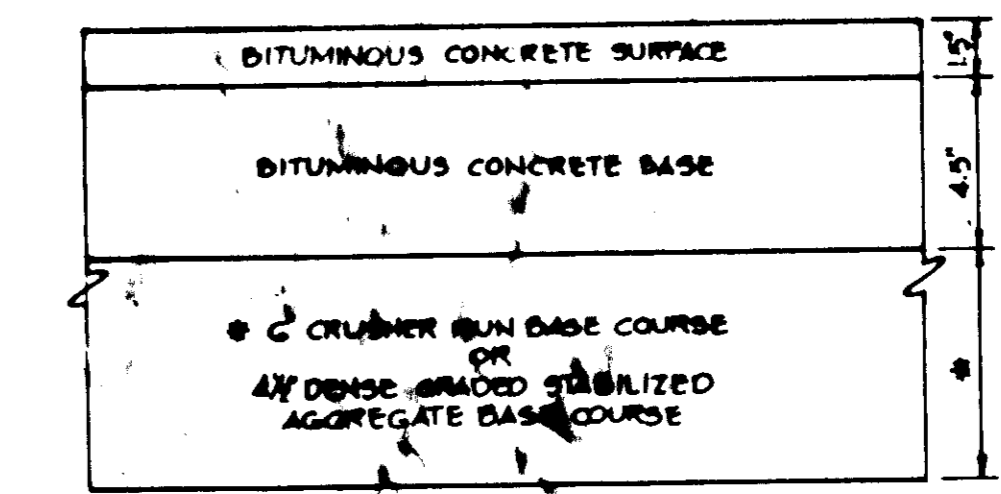


TYPICAL ENTRANCE DETAIL
NO SCALE



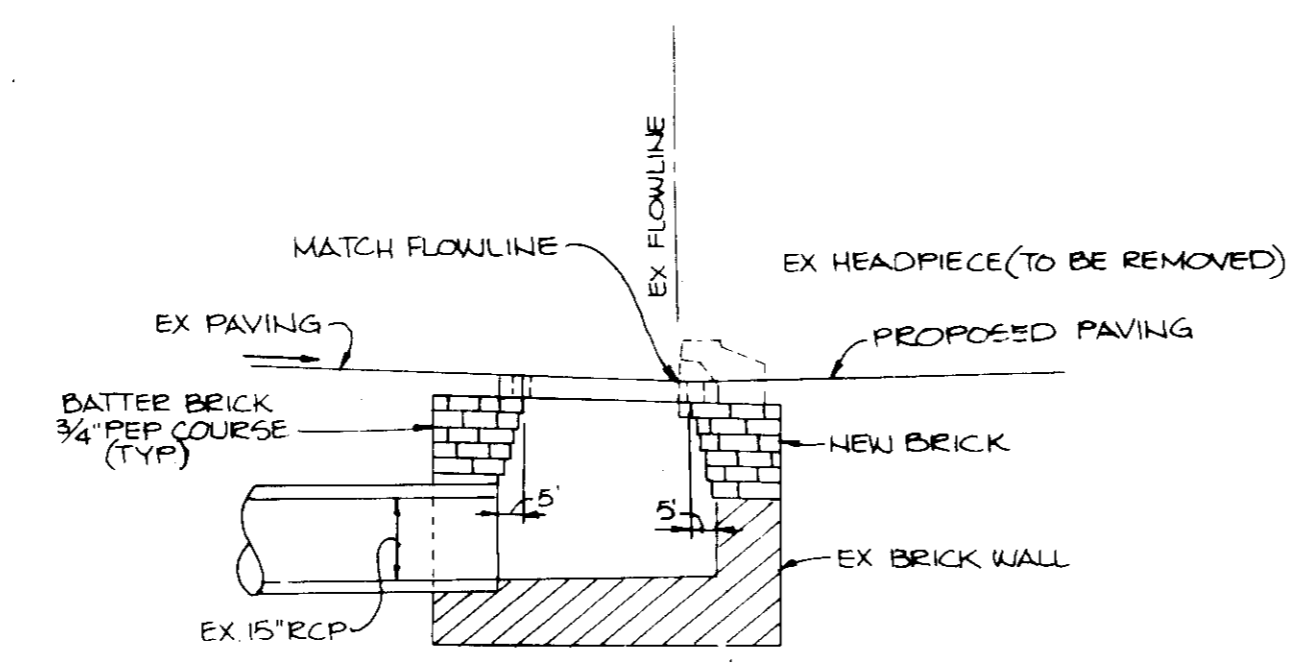
STANDARD 7" COMBINATION CURB AND GUTTER
NO SCALE

HOWARD COUNTY DESIGN MANUAL VOLUME III - STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION (DRAWING R-8.01)
* GUTTER PAN AT THE MEDIAN EDGE OF INTERMEDIATE ARTERIALS OR THE HIGH SIDE OF SUPERELEVATED SECTIONS SHALL BE SLOPED AT THE SAME RATE AS THE PAVEMENT.

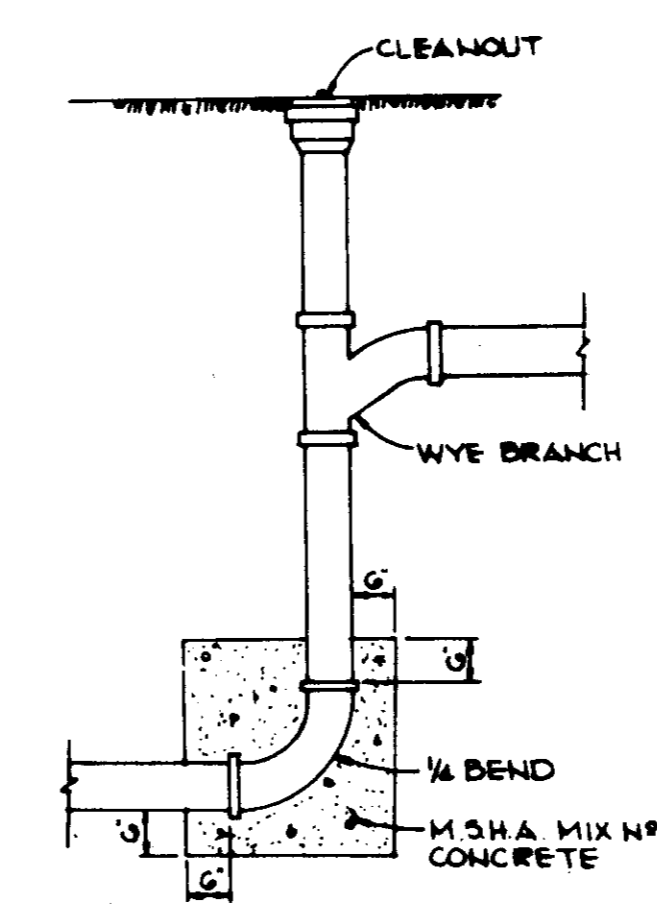


8" P-3 PAVING
NO SCALE

HOWARD COUNTY DESIGN MANUAL VOLUME III - STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION (DRAWING R-2.01)



MODIFICATION DETAIL FOR EXISTING I-O
NO SCALE



DROP CLEANOUT DETAIL
NO SCALE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.
James M. Boyd, M.D., M.P.H. 7/17/85
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.
John A. Smith 7-19-85
PLANNING DIRECTOR DATE

John A. Smith 7-19-85
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
John F. Nummy 7-16-85
DIRECTOR DATE

John F. Nummy 7-15-85
CHIEF, BUREAU OF ENGINEERING DATE

DATE	NO.	REVISION
OWNER / DEVELOPER		
CORRIDOR INDUSTRIAL PARK LIMITED PARTNERSHIP 710 AMERICAN CITY BUILDING COLUMBIA, MARYLAND 21045		
PROJECT		
CORRIDOR INDUSTRIAL PARK SECTION 1 PARCEL 0		
AREA TAX MAP #17 CORRIDOR INDUSTRIAL PARK 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND		
TITLE		
DETAILS		

APPROVED:
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE: 5-28-85
Arthur E. Muegge

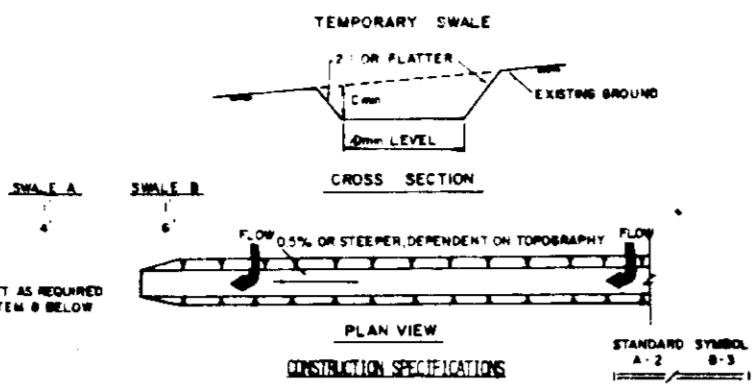
THE RIEMER GROUP, INC.
A LAND PLANNING, DESIGN & CIVIL ENGINEERING FIRM
3105 HEALTH PARK DRIVE, ELLICOTT CITY, MD. 21043 301-461-2697

DATE	DESIGNED BY LJD
	DRAWN BY DAM
	PROJECT NO 015000
	DATE 2/20/85
	SCALE AS SHOWN
	DRAWING NO. 3 OF 7

Arthur E. Muegge
ARTHUR E. MUEGGE 8107

SEQUENCE OF CONSTRUCTION

- OBTAIN A GRADING PERMIT AND A VEDA PERMIT
- INSTALL STABILIZED CONSTRUCTION ENTRANCE AND SILT FENCE.
- OBTAIN OUR PERMIT FOR STORM DRAINS AND CONSTRUCT STORM DRAIN FROM E-1 TO E-2.
- INSTALL TRAP NO. 1, TRAP NO. 2 AND EARTH DIKES.
- ROUGH GRADE SITE, REBUILDING EARTH DIKES TO PROVIDE POSITIVE DRAINAGE TO TRAP NO. 1 OR TRAP NO. 2.
- INSTALL REMAINING UTILITIES, STORM DRAINS AND STORM FILTER INLET PROTECTION.
- FINISH REMAINING CONSTRUCTION EXCEPT IN AREA OF TRAP NO. 1 AND TRAP NO. 2.
- STABILIZE ALL UPSTREAM AREAS IN ACCORDANCE WITH PERMANENT SEEDING NOTES SO THAT APPROVAL MAY BE GIVEN BY THE COUNTY REPRESENTATIVE TO REMOVE TRAP NO. 1 AND TRAP NO. 2 AND COMPLETE CONSTRUCTION IN THESE AREAS.
- UPON APPROVAL OF THE SEDIMENT CONTROL INSPECTOR, REMOVE ALL REMAINING SEDIMENT CONTROL DEVICES AND STABILIZE IN ACCORDANCE WITH PERMANENT SEEDING NOTES.

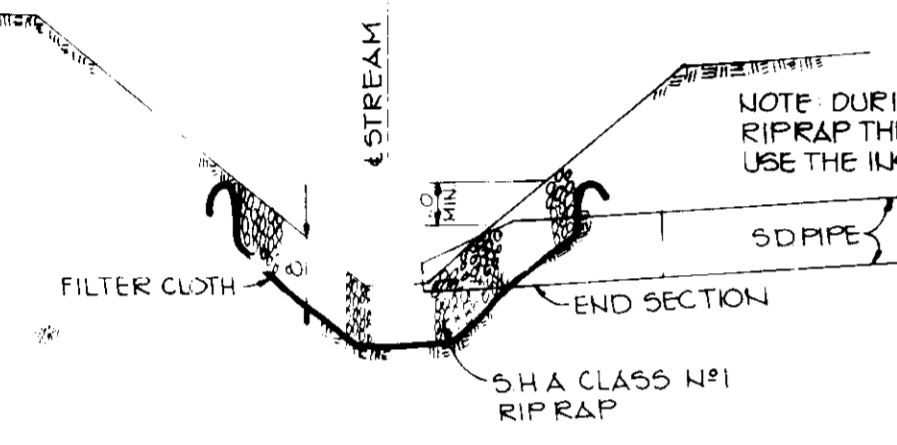
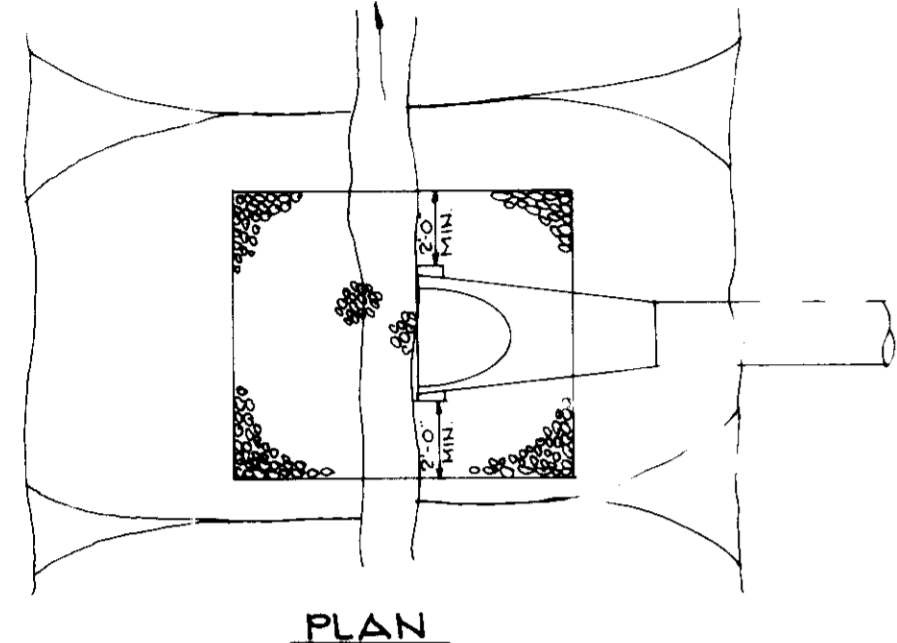


- ALL TEMPORARY SWALES SHALL HAVE UNIMPROVED POSITIVE GRADE TO AN OUTLET.
- EXCEPT RAINOFF FROM A DISTURBED AREA SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE.
- DIVERTED RAINOFF FROM AN UNDISTURBED AREA SHALL BE CONVEYED TO AN UNDISTURBED STABILIZED AREA AT APPROPRIATE VELOCITY.
- ALL TREES, BRUSH, STUMP OBSTRUCTIONS, AND OTHER UNDESIRABLE MATERIAL SHALL BE REMOVED AND DISPOSED OF SO AS NOT TO INTERFERE WITH THE PROPER FUNCTIONING OF THE SWALE.
- THE SWALE SHALL BE EXCAVATED TO SHOWN TO LINE, GRADE, AND CROSS SECTION AS REQUIRED TO MEET THE 5' TYPICAL SLOPE. THERE SHALL BE NO PROJECTIONS OR OTHER IRREGULARITIES WHICH WILL IMPED NORMAL FLOW.
- FILLS SHALL BE COMPACTED BY EARTH MOVING EQUIPMENT.
- ALL EARTH REMOVAL AND CUT NECESSARY IN CONSTRUCTION SHALL BE PLACED SO THAT IT WILL NOT INTERFERE WITH THE FUNCTIONING OF THE SWALE.
- STABILIZATION SHALL BE AS PER THE CHART BELOW:

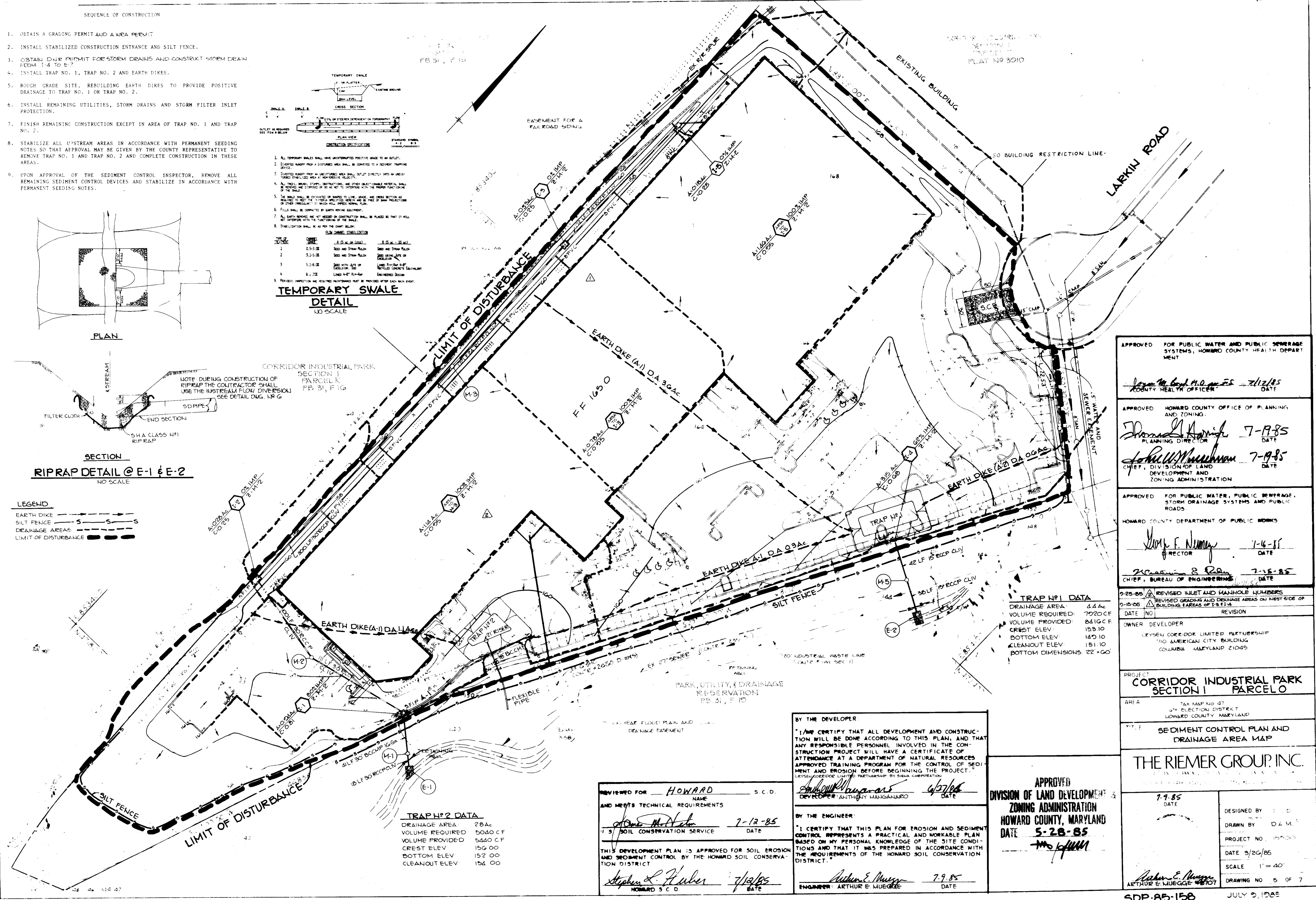
TEMPORARY SWALE
DETAIL
1/8" SCALE

TIME PERIOD	SEED	A (S AC OR LESS)	B (S AC - 30 AC)
1	0.5-3.00	SEED AND STRAW PULCH	SEED AND STRAW PULCH
2	3.1-5.00	SEED AND STRAW PULCH	SEED AND STRAW PULCH
3	5.1-8.00	SEED WITH LIME OR	LIME WITH STRAW PULCH
4	8.1-12.00	LIME WITH 1/2" RIF-RAIP	SEED WITH STRAW PULCH

PERIODIC INSPECTION AND MAINTENANCE MUST BE PROVIDED AFTER EACH RAIN EVENT.



- LEGEND
- EARTH DIKE
 - SILT FENCE
 - DRAINAGE AREAS
 - LIMIT OF DISTURBANCE



TRAP NO. 1 DATA

DRAINAGE AREA	4.4 AC
VOLUME REQUIRED	7920 CF
VOLUME PROVIDED	8416 CF
CREST ELEV.	153.10
BOTTOM ELEV.	149.10
CLEANOUT ELEV.	151.10
BOTTOM DIMENSIONS	22' x 60'

TRAP NO. 2 DATA

DRAINAGE AREA	2.8 AC
VOLUME REQUIRED	5040 CF
VOLUME PROVIDED	5440 CF
CREST ELEV.	156.00
BOTTOM ELEV.	152.00
CLEANOUT ELEV.	154.00

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER
 DATE 7/17/85

APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING.
 PLANNING DIRECTOR
 DATE 7-19-85
 CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION
 DATE 7-19-85

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR
 DATE 7-16-85
 CHIEF, BUREAU OF ENGINEERING
 DATE 7-16-85

REVISOR INLET AND MANHOLE NUMBERS
 REVISOR GRADING AND DRAINAGE AREAS ON WEST SIDE OF BUILDING (AREAS OF 1.5 AC)
 DATE (NO) REVISION
 OWNER DEVELOPER
 CRYSTAL CORRIDOR LIMITED PARTNERSHIP
 710 AMERICAN CITY BUILDING
 COLUMBIA MARYLAND 21045

PROJECT
 CORRIDOR INDUSTRIAL PARK SECTION I PARCEL K
 AREA
 TAX MAP NO. 37
 6TH ELECTIONAL DISTRICT
 HOWARD COUNTY MARYLAND
 TITLE
 SEDIMENT CONTROL PLAN AND DRAINAGE AREA MAP

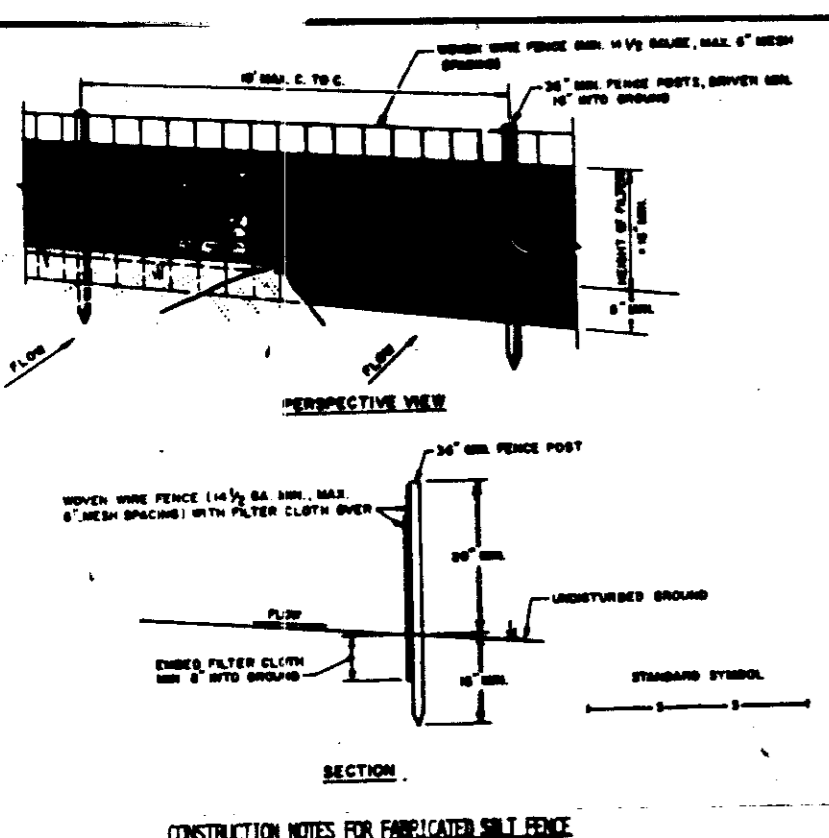
THE RIEMER GROUP, INC.
 7-9-85
 DATE
 DESIGNED BY
 DRAWN BY
 PROJECT NO. 15000
 DATE 3/20/85
 SCALE 1" = 40'
 DRAWING NO. 5 OF 7

REVIEWED FOR HOWARD S.C.D.
 AND MEETS TECHNICAL REQUIREMENTS
 NAME
 DATE 7-12-85
 1/3 SOIL CONSERVATION SERVICE
 THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
 NAME
 DATE 7/13/85
 HOWARD S.C.D.

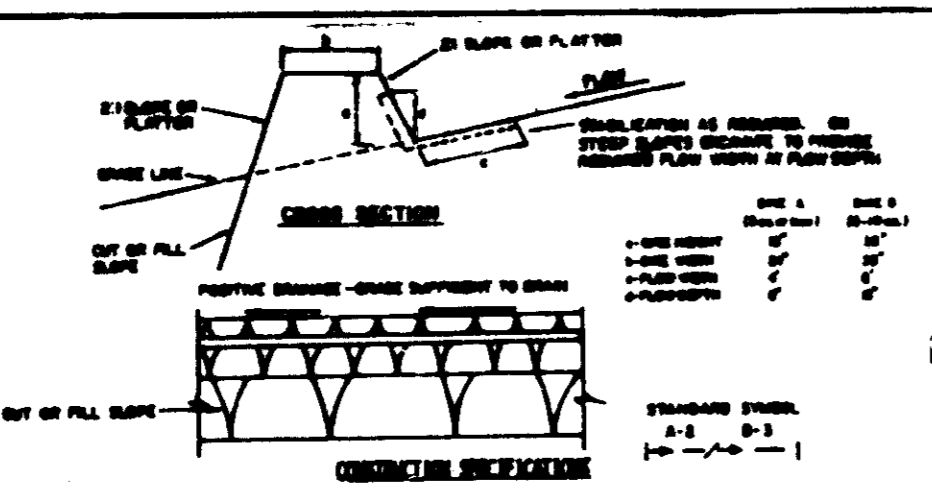
BY THE DEVELOPER
 "I, ANTE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT."
 DEVELOPER: ANTHONY MANGIARAO
 DATE 6/27/85

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."
 ENGINEER: ARTHUR E. MUEGGE
 DATE 7-9-85

APPROVED
 DIVISION OF LAND DEVELOPMENT
 ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE 5-28-85



SILT FENCE
NO SCALE



EARTH DIKE
NO SCALE

CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

- When wire fence is fastened regularly to fence posts with wire ties of staples.
- Filter cloth to be fastened regularly to wire fence with ties spaced every 24" at top and mid section.
- When the sections of filter cloth align back-to-back they shall be overlapped by six inches and pulled.
- Maintenance shall be performed as needed and material removed when filter cloth is clogged.

POSTS: STEEL EITHER 1" OR 1 1/2" TYPE OR 2" HARDWOOD

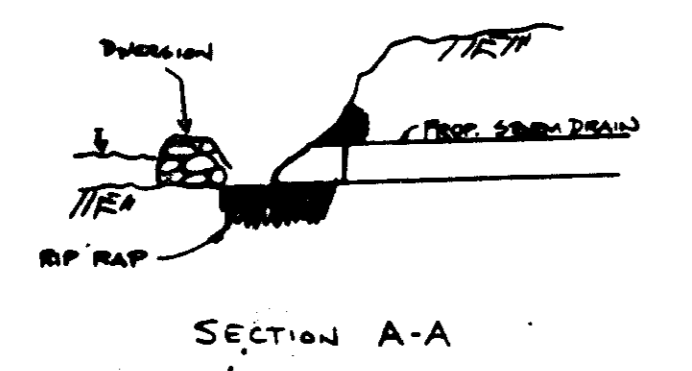
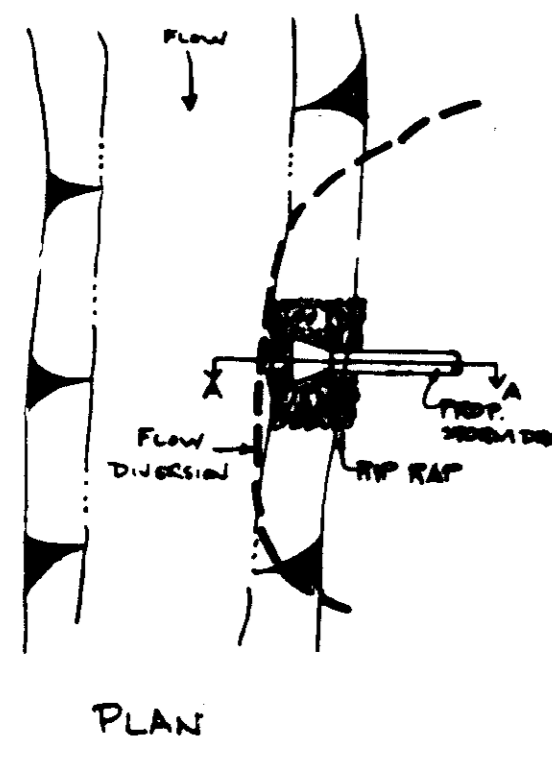
WIRE: WIRE MESH 36 GA. 2" X 4" OR 3" X 6" OR 4" X 8"

FILTER CLOTH: FILTER CLOTH SHALL BE 100% POLYPROPYLENE OR APPROVED EQUIVALENT

PREPARED UNIT: GEOTEX, GEOWEB, OR APPROVED EQUIVALENT

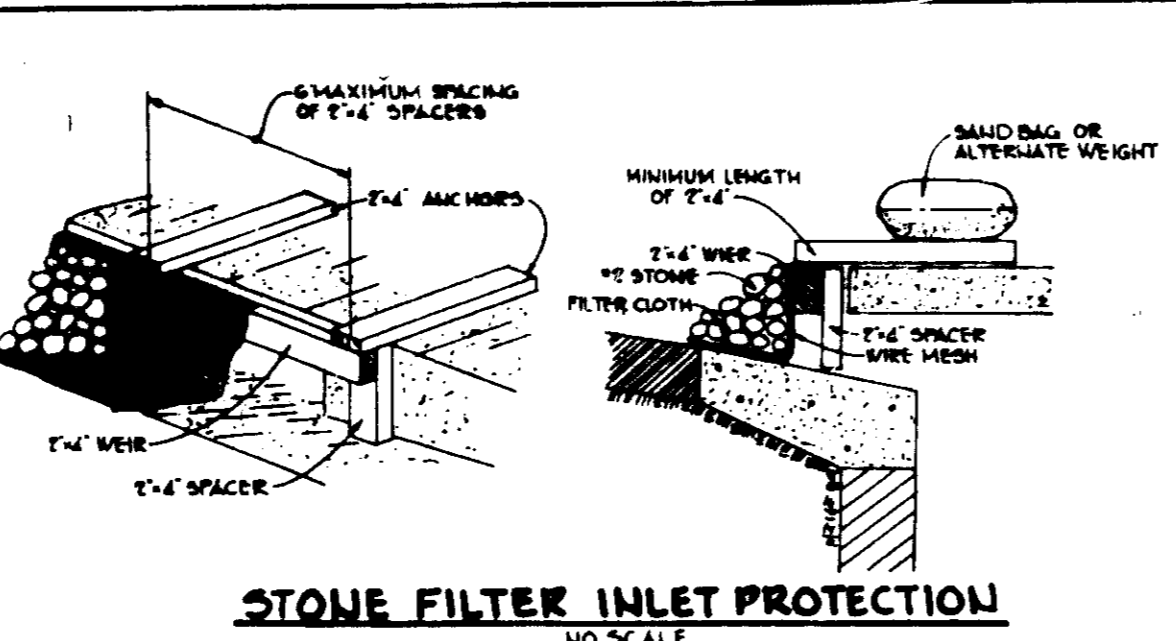
- Sediment shall be removed and the trap restored to its original dimensions when the sediment has accumulated to 1/2 the design depth of the trap. Removed sediment shall be deposited in a suitable area and in such a manner that it will not erode.
- The structure shall be inspected after each rain and repairs made as needed.
- Construction operations shall be carried out in such a manner that erosion and water pollution shall be minimized.
- The sediment trap shall be removed and the area stabilized when the constructed drainage area has been properly stabilized.
- All cut slopes shall be 1:1 or flatter.

INLET SEDIMENT TRAP NO 1
NO SCALE



IN-STREAM FLOW DIVERSION DETAIL
NO SCALE

- Description**
The work shall consist of installing flow diversions for the purpose of erosion control where construction activities take place within the stream channel such as bank stabilization or channel relocation.
- Material Specifications**
 - Sandbags: Sandbags shall consist of materials which are resistant to ultraviolet radiation, tearing and puncture and woven tightly enough to prevent leakage of fill material (i.e., sand, fine gravel, etc.).
 - Stone: Stone shall be washed and have a minimum diameter of 6 inches.
 - Sheeting: Sheeting shall consist of polyethylene or other material which is impervious and resistant to puncture and tearing.
- Construction Requirements**
 - All erosion and sediment control devices shall be installed as the first order of work.
 - The diversion structure shall be installed from upstream to downstream.
 - The diversion structure shall be a minimum of two feet high or one foot higher than the depth of water, whichever is greater.
 - All excavated materials shall be disposed of in an SCD approved disposal area outside the 100-year floodplain unless otherwise approved on the plans by the WRA.
 - All dewatering of the construction area shall be pumped to a dewatering basin or otherwise filtered prior to re-entering the stream.
 - Sheeting shall be overlapped such that the stream portion covers the downstream portion with at least an 18-inch overlap.
 - Sediment control devices are to remain in place until all disturbed areas are stabilized and the inspecting authority approves their removal.

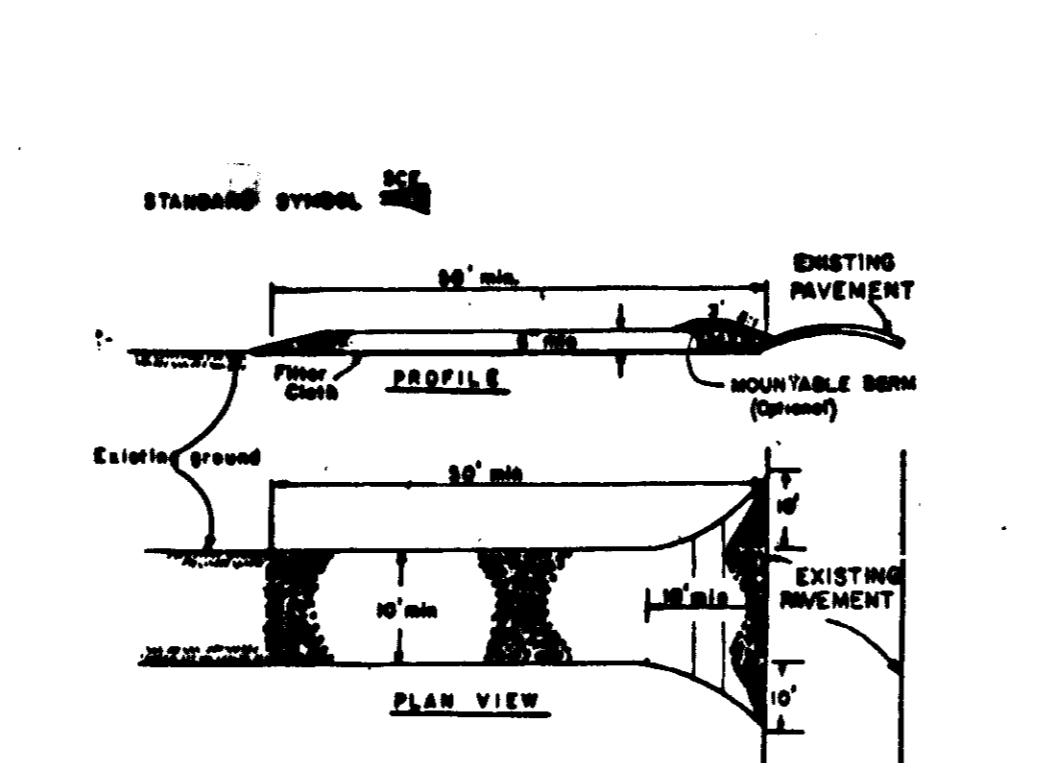


STONE FILTER INLET PROTECTION
NO SCALE

- Construction Specifications**
- Materials**
 - Wooden frame is to be constructed of 2" x 4" construction grade lumber.
 - Wire mesh must be of sufficient strength to support filter fabric, and stems for each inlet, with water fully impounded against it.
 - Filter cloth must be of a type approved for this purpose; resistant to sunlight with a tensile strength of 100, 40-85, to allow sufficient passage of water and removal of sediment.
 - Stone is to be 2" in size and clean, since fines would clog the inlet.
 - Procedure**
 - A 6" wide, 18" high or yard inlet protection.
 - Excavate completely around inlet to a depth of 18" below notch elevation.
 - Drive 2 x 4 post 1' into ground at four corners of inlet. Place soil strip between posts at ends of inlet. Assemble top portion of 2 x 4 frame using overlap joint shown. Top of frame (soil) must be 6" below edge of roadway adjacent to inlet.
 - Stretch wire mesh tightly around frame and fasten securely. Hole must meet at post.
 - Stretch filter cloth tightly over wire mesh, the cloth must extend from top of frame to 18" below inlet notch elev. Fasten securely to frame. Hole must meet at post, be overlapped and folded, then fastened down.
 - Backfill around inlet in compacted 6" layers until layer of earth is even with notch elevation on ends and top elevation on sides.
 - If the inlet is not in a low point, construct a compacted earth dike in the ditchline below it. The top of this dike is to be at least 6" higher than the top of frame (soil).
 - This structure must be inspected frequently and the filter fabric replaced when clogged.

- Attach a continuous piece of wire mesh (30" x 12" min. with 3/16" mesh) to the 2" x 4" frame (soil) using throat length plus 2" of overlap on the wire mesh (soil) to the 2" x 4" frame.
- Securely nail the 2" x 4" wire to 9" long vertical spacers to be located between the wire and inlet face (min. 6" apart).
- Place the assembly against the inlet throat and nail (minimum 2" lengths of 2" x 4" to the top of the wire at spacer locations). These 2" x 4" members shall extend across the inlet top and be held in place by sandbags or alternate weight.
- The assembly shall be placed so that the end spacers are a minimum 1' beyond each end of the throat opening.
- 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 2" stone over the wire mesh and filter fabric to such a number as to prevent water from entering the inlet under or around the filter cloth.
- This type of protection must be inspected frequently and the filter cloth and stone replaced when clogged with sediment.
- Assure that storm flow does not bypass inlet by installing temporary earth or asphalt dike directing flow into inlet.

- Area under embankment shall be cleared, grubbed and stripped of any vegetation and root mat. The pool area shall be cleared.
- The fill material for the embankment shall be free of roots or other woody vegetation as well as oversized stones, rocks, organic material, or other objectionable material. The embankment shall be compacted by traversing with equipment while it is being constructed.
- Volume of sediment storage shall be 1800 cubic feet per acre of contributory drainage.
- 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.
- The structure shall be inspected after each rain and repairs made as needed.
- Construction operations shall be carried out in such a manner that erosion and water pollution are minimized.
- The structure shall be removed and area stabilized when the drainage area has been properly stabilized.
- All fill slopes shall be 2:1 or flatter; cut slopes 1:1 or flatter.
- All pipe connections shall be watertight.
- The top 2/3 of the riser shall be perforated with one (1) inch diameter holes or slits spaced six (6) inches vertically and horizontally and placed in the concave portion of pipe. No holes will be allowed within six (6) inches of the horizontal barrel.
- The riser shall be wrapped with 1/4 to 1/2 inch hardware cloth wire then wrapped with filter cloth (having an equivalent sieve size of 40 - 80). The filter cloth shall extend six (6) inches above the highest hole and six (6) inches below the lowest hole. Where ends of filter cloth come together, they shall be overlapped, folded and stapled to prevent bypass.
- Straps or connecting bands shall be used to hold the filter cloth and wire fabric in place. They shall be placed at the top and bottom of the cloth.
- Fill material around the pipe spillway shall be hand compacted in four (4) inch layers. A minimum of two (2) feet of hand-compacted backfill shall be placed over the pipe spillway before crossing it with construction equipment.
- The riser shall be anchored with either a concrete base or steel plate base to prevent flotation. For concrete bases the depth shall be 12 inches with the riser embedded nine (9) inches. A 1/4 inch minimum thickness steel plate shall be attached to the riser by a continuous weld around the bottom to form a weather connection and then place two (2) feet of stone, gravel, or tamped earth on the plate.



STABILIZED CONSTRUCTION ENTRANCE
NO SCALE

- Construction Specifications**
- Stone size - 2" to 3" stone, or recycled or crushed concrete equivalent.
 - Length - As required, but not less than 50 feet (except on a single road-way less than a 20 foot minimum length would apply).
 - Thickness - Not less than six (6) inches.
 - Width - The (6) inch depth shall not be less than the full width of the stone where impact or spread occurs.
 - Filter Cloth - Will be placed over the entire area prior to placing of stone. Filter will not be required on a single family residential lot.
 - Surface Water - All surface water flowing or directed toward construction activities shall be piped across the entrance. If piping is impractical, a removable boom with 1/2 inch mesh will be permitted.
 - Access - The entrance shall be maintained in a condition which will prevent trapping or closing of sediment onto public rights-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleaning of any structure used to trap sediment. All sediment shall be piled, dumped, washed or treated onto public rights-of-way must be removed immediately.
 - Maintenance - Structure 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.
 - Periodic inspection and needed maintenance shall be provided after each rain.

PIPE OUTLET SEDIMENT TRAP #2
NO SCALE

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

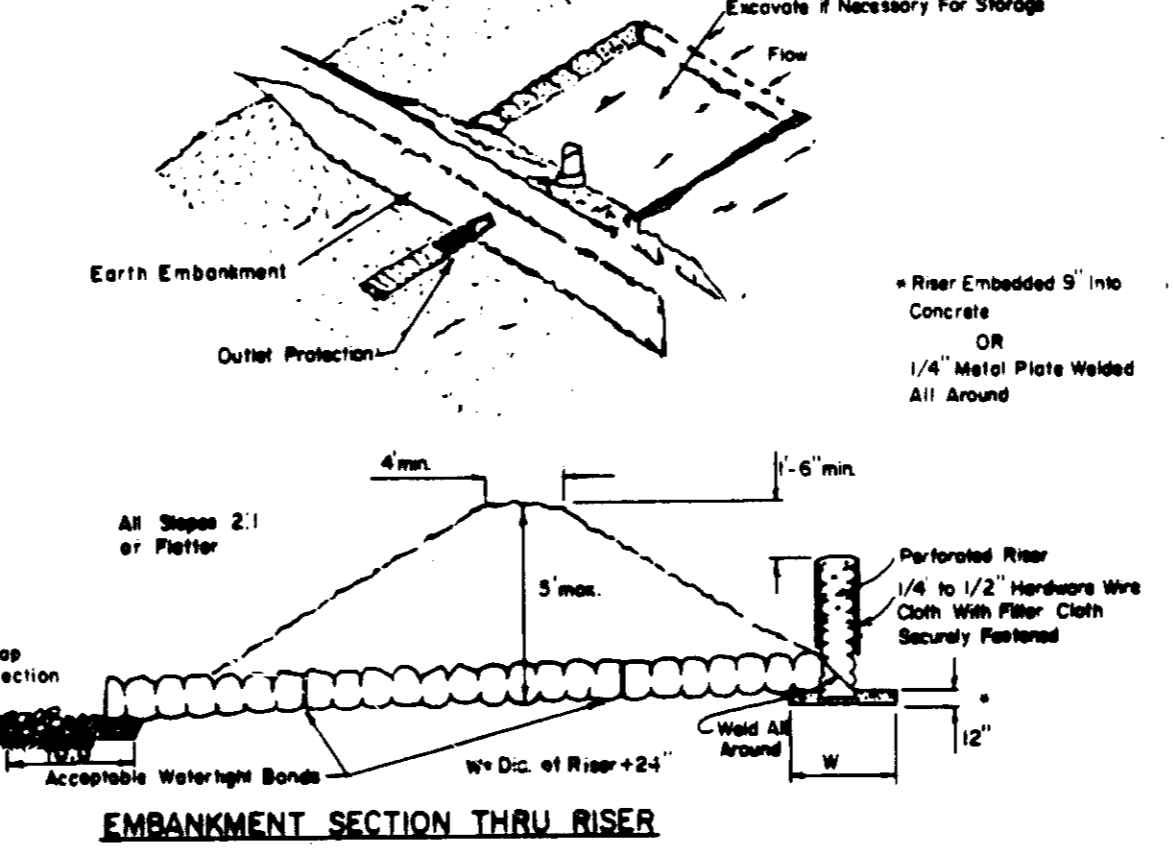
Seedbed Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding.

Soil Amendments: Apply 0-20-20 fertilizer at the rate of 600 lbs. per acre. Harrow or disc line and 0-20-20 fertilizer into the soil to a minimum depth of 2". Lawns or high maintenance areas will be dragged and leveled with a York rake. At the time of seeding, apply 400 lbs. of 30-0-0 ureaform fertilizer and 500 lbs. of 10-20-20 or equivalent fertilizer per acre.

Seeding: For the periods March 1 thru April 30, and August 1 thru October 15, seed with 40 lbs. per acre (1 lb./1000 sq.ft.) of a mixture of certified Merion Kentucky bluegrass; common Kentucky bluegrass @ 40 lbs. per acre (1 lb./1000 sq.ft.) and Red Fescue, Pennlawn or Jamestown @ 20 lbs. per acre (0.5 lb./1000 sq.ft.) for the period May 1 thru July 31, seed with 40-40-20 mix as specified above and 2 lbs. per acre (0.05 lb./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 40-40-20 mix specified above and mulch with 2 tons/acre well-anchored straw.

Mulching: Apply 1 1/2 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.



EMBRANKMENT SECTION THRU RISER
SIZES OF PIPE NEEDED
Barrel Diameter 18"
Riser Diameter 2"
PIPE OUTLET TRAP CONSTRUCTION SPECIFICATION FOR ST-1

- Area under embankment shall be cleared, grubbed and stripped of any vegetation and root mat. The pool area shall be cleared.
- The fill material for the embankment shall be free of roots or other woody vegetation as well as oversized stones, rocks, organic material, or other objectionable material. The embankment shall be compacted by traversing with equipment while it is being constructed.
- Volume of sediment storage shall be 1800 cubic feet per acre of contributory drainage.
- 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.
- The structure shall be inspected after each rain and repairs made as needed.
- Construction operations shall be carried out in such a manner that erosion and water pollution are minimized.
- The structure shall be removed and area stabilized when the drainage area has been properly stabilized.
- All fill slopes shall be 2:1 or flatter; cut slopes 1:1 or flatter.
- All pipe connections shall be watertight.
- The top 2/3 of the riser shall be perforated with one (1) inch diameter holes or slits spaced six (6) inches vertically and horizontally and placed in the concave portion of pipe. No holes will be allowed within six (6) inches of the horizontal barrel.
- The riser shall be wrapped with 1/4 to 1/2 inch hardware cloth wire then wrapped with filter cloth (having an equivalent sieve size of 40 - 80). The filter cloth shall extend six (6) inches above the highest hole and six (6) inches below the lowest hole. Where ends of filter cloth come together, they shall be overlapped, folded and stapled to prevent bypass.
- Straps or connecting bands shall be used to hold the filter cloth and wire fabric in place. They shall be placed at the top and bottom of the cloth.
- Fill material around the pipe spillway shall be hand compacted in four (4) inch layers. A minimum of two (2) feet of hand-compacted backfill shall be placed over the pipe spillway before crossing it with construction equipment.
- The riser shall be anchored with either a concrete base or steel plate base to prevent flotation. For concrete bases the depth shall be 12 inches with the riser embedded nine (9) inches. A 1/4 inch minimum thickness steel plate shall be attached to the riser by a continuous weld around the bottom to form a weather connection and then place two (2) feet of stone, gravel, or tamped earth on the plate.

SEDIMENT CONTROL NOTES

- A minimum of 24 hours notice must be given to the Howard County Office of Inspections and Permits prior to the start of any construction (992-2477)
- 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.
- Following initial soil disturbance or redistribution, 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.
- 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 DESIGN MANUAL, Storm Drainage.
- 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.
- 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.
- Site Analysis:

Total Area of Site	855 acres
Area Disturbed	6.5 acres
Area to be roofed or paved	0.2 acres
Area to be vegetatively stabilized	2.1 acres
Total Cut	10036 Cu. yds.
Total Fill	21222 Cu. yds.
TOTAL SOIL	31258 Cu. yds.
- Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
- Additional sediment controls must be provided, if deemed necessary by the Howard County DPW sediment control inspector.
- Site grading will begin only after all perimeter sediment control measures have been installed and are in a functioning condition.
- Sediment will be removed from traps when its depth reaches the clean out elevation shown on the plans.

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.) Where soil is highly acidic, apply dolomitic limestone at the rate of 1 ton per acre.

Seeding: For periods March 1 thru April 30 and from August 15 thru November 15, seed with 140 lbs. 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 1 1/2 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 rates and methods not covered.

APPROVED
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 5-20-85
M.E. MUGGE

BY THE DEVELOPER
I HEREBY CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SOIL EROSION AND SEDIMENT CONTROL BEFORE BEGINNING THE PROJECT.
CRYSEL CORRIDOR LIMITED PARTNERSHIP BY SENA CORPORATION
ARTHUR E. MUGGE 5/20/85
DEVELOPER: ARTHUR E. MUGGE DATE

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.
ARTHUR E. MUGGE 7-9-85
ENGINEER: ARTHUR E. MUGGE DATE

REVIEWED FOR HOWARD S.C.D.
AND METS TECHNICAL REQUIREMENTS
JAMES M. MATHIAS 7-12-85
HOWARD COUNTY SOIL CONSERVATION SERVICE DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
STEPHEN L. HUBER 7/12/85
HOWARD S.C.D. DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.
JAMES M. MATHIAS 7-12-85
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.
DANIEL L. HANIFF 7-19-85
PLANNING DIRECTOR DATE
JOHN W. MATHIAS 7-19-85
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.
JAMES F. NEUMY 7-16-85
DIRECTOR DATE

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
JAMES F. NEUMY 7-16-85
DIRECTOR DATE
JAMES M. MATHIAS 7-12-85
CHIEF, BUREAU OF ENGINEERING DATE

DATE	NO.	REVISION

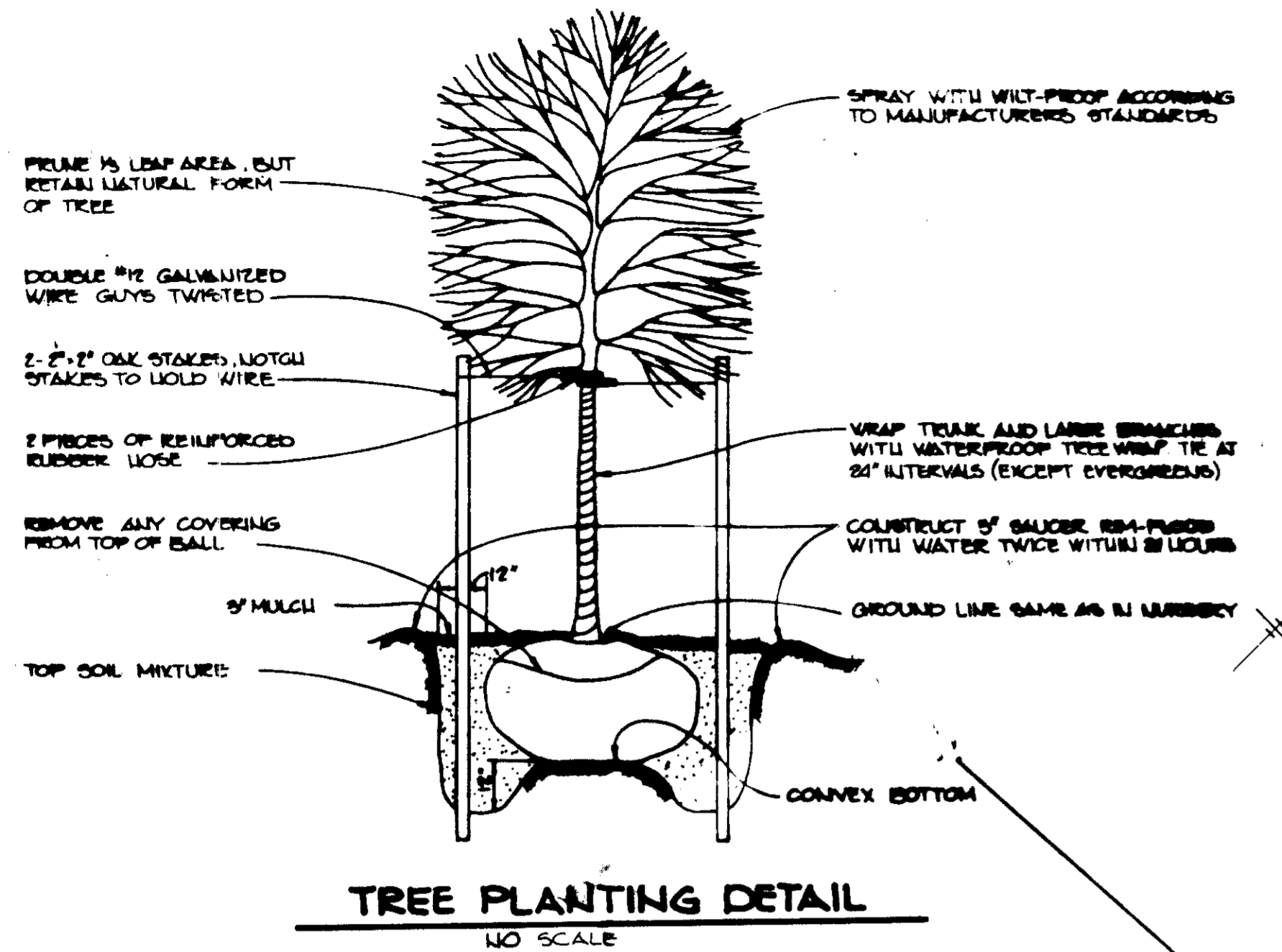
OWNER/DEVELOPER
CRYSEL CORRIDOR LIMITED PARTNERSHIP
710 AMERICAN CITY BUILDING
COLUMBIA, MARYLAND 21045

PROJECT
CORRIDOR INDUSTRIAL PARK SECTION I PARCEL O
AREA TAX MAP NO 47 PARCEL O
CORRIDOR INDUSTRIAL PARK SECTION I PARCEL O
HOWARD COUNTY, MARYLAND

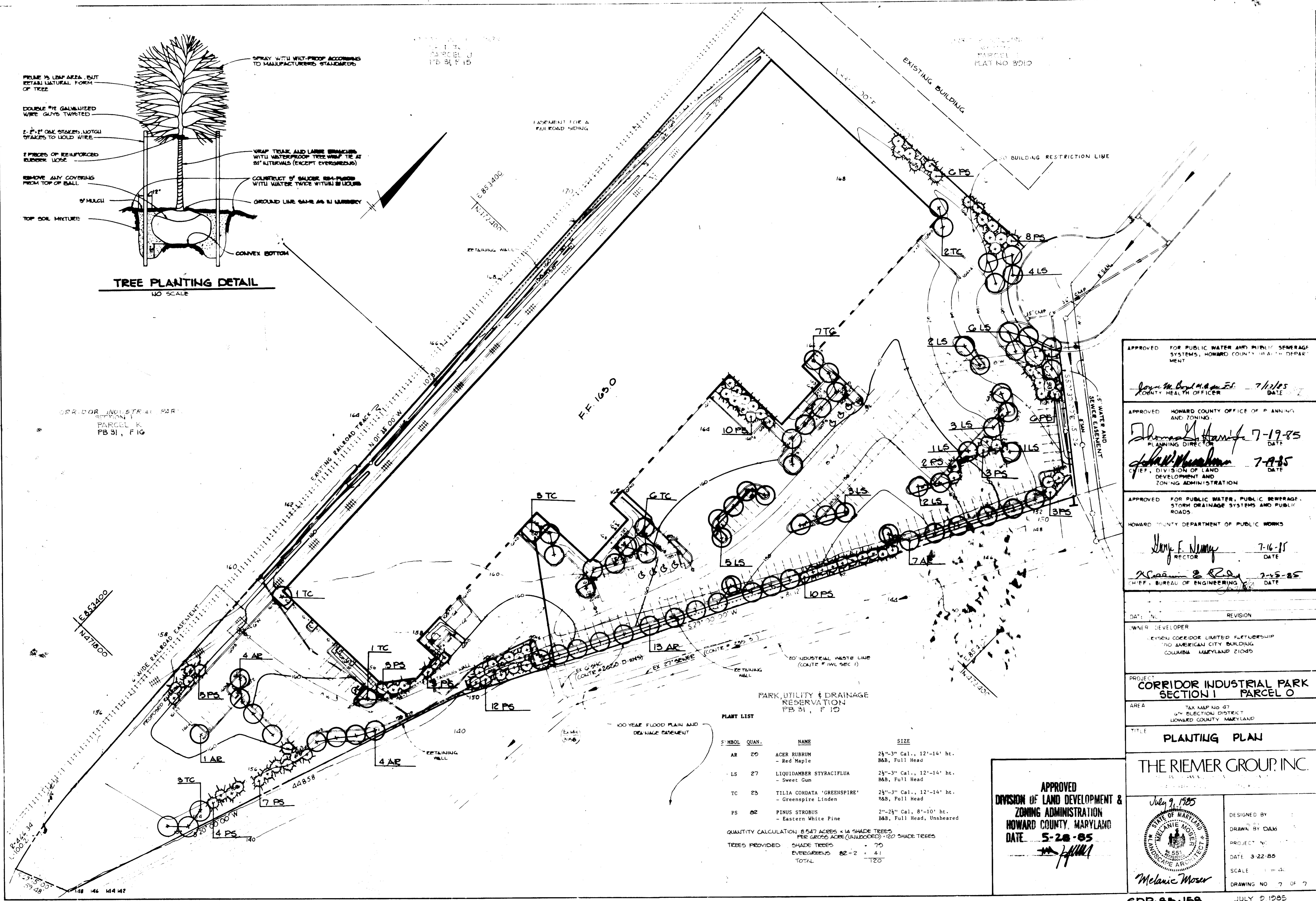
TITLE
SEDIMENT CONTROL NOTES & DETAILS

THE RIEMER GROUP, INC.
A LAND PLANNING, DESIGN & CIVIL ENGINEERING FIRM
3105 HEALTH PARK DRIVE, ELLICOTT CITY, MD. 21043 301 461-2690

2-7-85 DATE
DESIGNED BY L.J.D.
DRAWN BY D.A.M.
PROJECT NO. 015000
DATE 3/20/85
SCALE AS SHOWN
DRAWING NO. 6 OF 7
ARTHUR E. MUGGE 5/20/85



TREE PLANTING DETAIL
NO SCALE



PARK, UTILITY & DRAINAGE RESERVATION
PB 31, F 10

PLANT LIST

SYMBOL	QUAN.	NAME	SIZE
AR	20	ACER RUBRUM - Red Maple	2 1/2"-3" Cal., 12'-14' ht. B&B, Full Head
LS	27	LIQUIDAMBER SYRACIFLUA - Sweet Gum	2 1/2"-3" Cal., 12'-14' ht. B&B, Full Head
TC	23	TILIA CORDATA 'GREENSPIRE' - Greenspire Linden	2 1/2"-3" Cal., 12'-14' ht. B&B, Full Head
PS	82	PINUS STROBUS - Eastern White Pine	2"-2 1/2" Cal., 8'-10' ht. B&B, Full Head, Unsheared

QUANTITY CALCULATION: 8.547 ACRES x 14 SHADE TREES PER GROSS ACRE (UNWOODED) = 120 SHADE TREES

TREES PROVIDED: SHADE TREES = 70, EVERGREENS = 82 - 2 = 41, TOTAL = 120

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
Joseph M. Boyd COUNTY HEALTH OFFICER 7-12-85 DATE

APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING
Thomas A. Hantz PLANNING DIRECTOR 7-19-85 DATE
John W. McArthur CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION 7-9-85 DATE

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Joseph F. Nummy DIRECTOR 7-16-85 DATE
William E. R. R. CHIEF, BUREAU OF ENGINEERING 7-25-85 DATE

DATE: _____ REVISION: _____

OWNER DEVELOPER
 KEYSER CORRIDOR LIMITED PARTNERSHIP
 710 AMERICAN CITY BUILDING
 COLUMBIA MARYLAND 21045

PROJECT
CORRIDOR INDUSTRIAL PARK SECTION I PARCEL O

AREA
 TAX MAP NO 47
 6TH ELECTION DISTRICT
 HOWARD COUNTY MARYLAND

TITLE
PLANTING PLAN

APPROVED
 DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE **5-28-85**

THE RIEMER GROUP, INC.
 10000 RIVERCHASE DRIVE
 GREENBELT, MARYLAND 21040

July 9, 1985
 STATE OF MARYLAND
 MELANIE MOSER
 LANDSCAPE ARCHITECT

DESIGNED BY
 DRAWN BY DAK
 PROJECT NO.
 DATE 3-22-85
 SCALE 1" = 4'
 DRAWING NO 7 OF 7