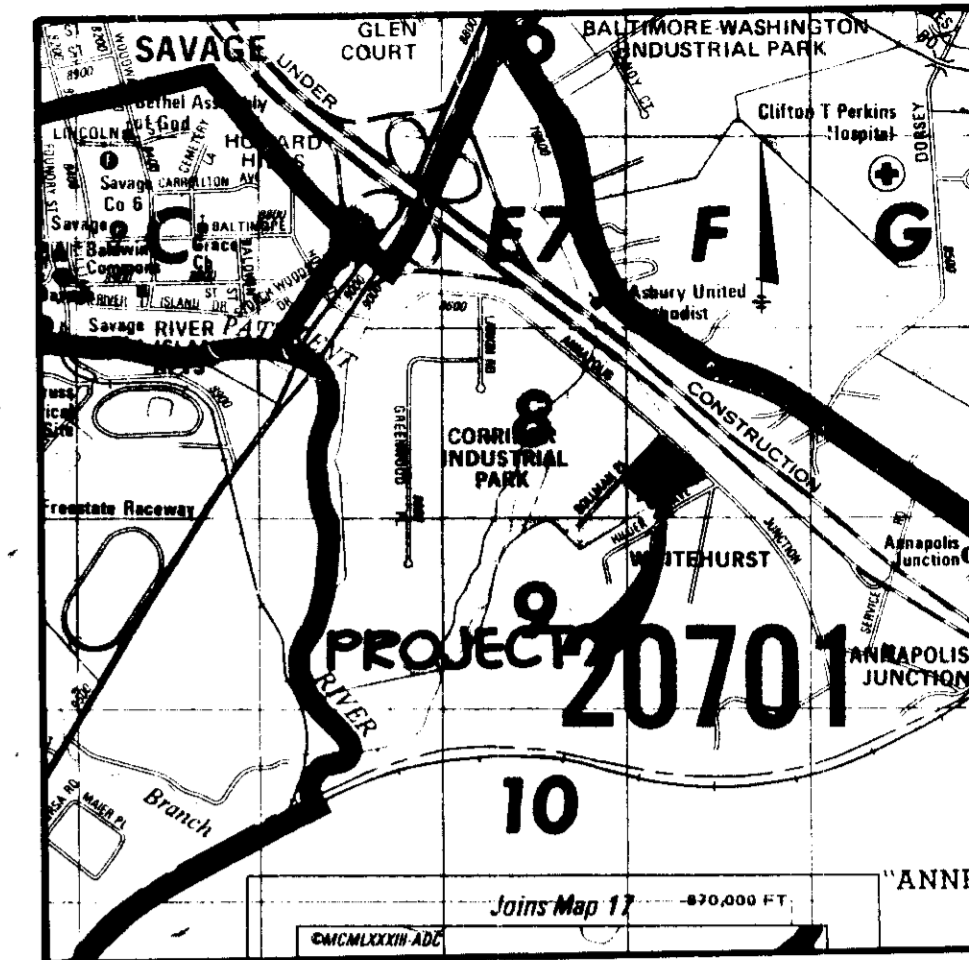


SHEET INDEX

NO.	DESCRIPTION
1	TITLE SHEET
2	SITE DEVELOPMENT PLAN
3	PROFILES AND DETAILS
4	SEDIMENT CONTROL PLAN AND DRAINAGE AREA MAP
5	SEDIMENT CONTROL DETAILS
6	PLANTING PLAN

SITE DEVELOPMENT PLAN PARCEL E-1 CORRIDOR INDUSTRIAL PARK SECTION TWO 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND



VICINITY MAP
SCALE 1" = 2000'

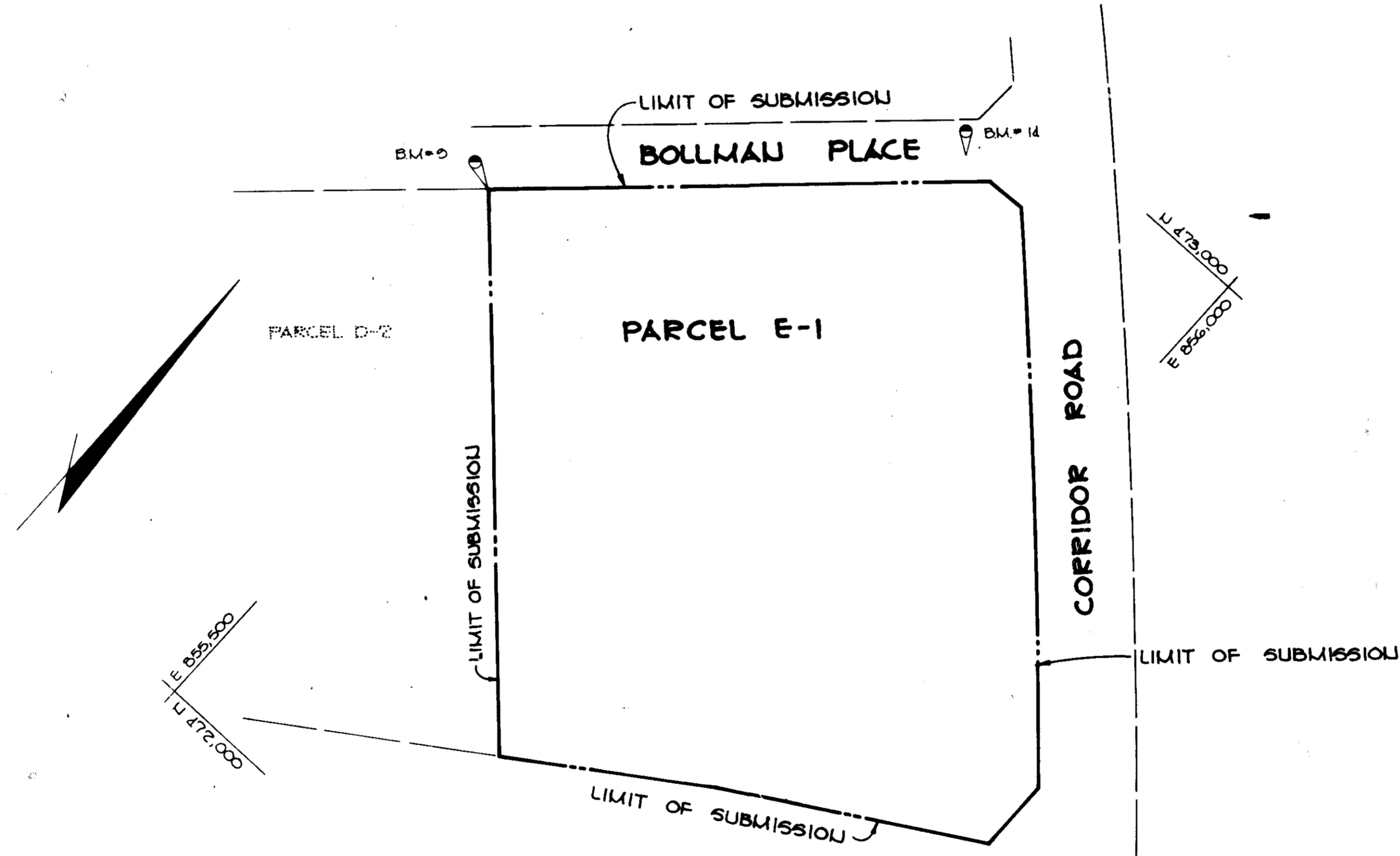
GENERAL NOTES

- 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. DIPLE 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 & 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 \bigcirc 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 MARCH 1985 BY THE RIEMER GROUP, INC.
- ALL PLAN DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
- ALL STORM DRAIN PIPE BEDDING SHALL BE AS SHOWN IN DETAIL G2.01 (TRENCH IN ROCK OR TRENCH IN EARTH AS DETERMINED BY FIELD CONDITIONS) IN VOL. IV OF HOWARD COUNTY DESIGN MANUAL UNLESS OTHERWISE DIRECTED BY THE ENGINEER OR AS SHOWN ON THE DRAWINGS.
- 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 GRADING AND/OR WORK ON ADJACENT PROPERTIES INCLUDED IN THIS PLAN PRIOR TO CONSTRUCTION.
- THE STORM WATER MANAGEMENT FOR THIS PROJECT WAS PROVIDED FOR UNDER CONTRACT F-75-57.

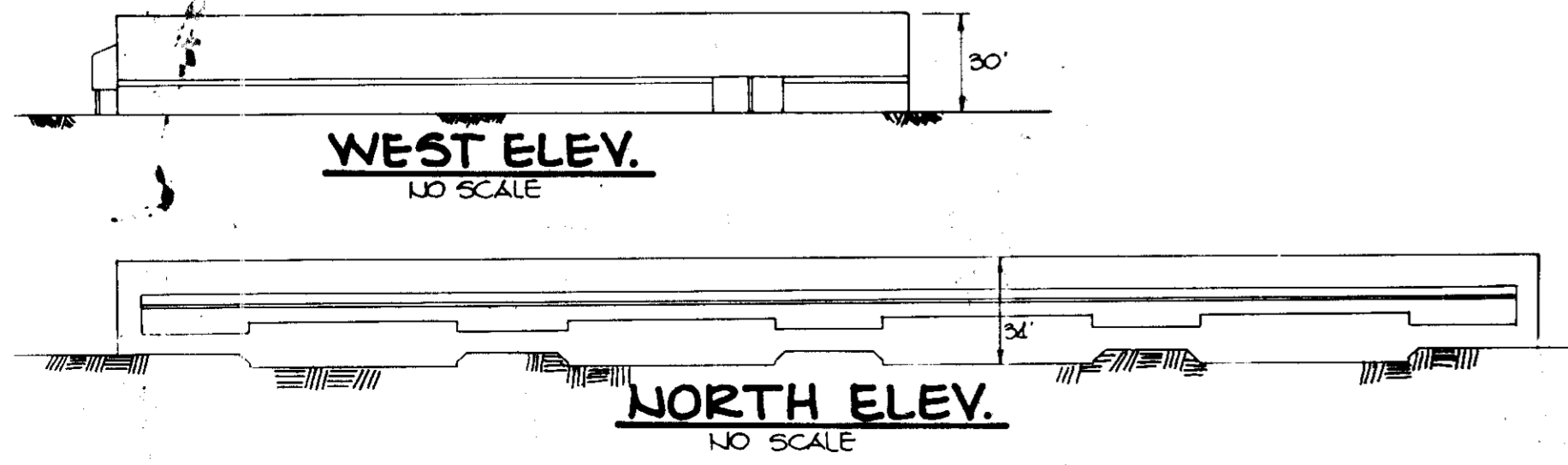
SITE TABULATION

Total area of submission	7.399 Ac.
Existing zoning	M-2
Building coverage (ONE STORY BUILDING)	104,607.0 SF (2.39 Ac.)
Proposed use	Office and warehouse
Open space required (20%)	1,480 Ac. (64,469 SF)
Open space proposed (41.9%)	3,099 Ac. (134,992 SF)
Parking	
15% of building = office use (15,691 SF)	
Office employees = 75	
1 space/10 employees = 55 spaces required	
85% of building = warehouse (88,916 SF)	
Warehouse employees = 89	
1 space/2 employees = 45 spaces required	
TOTAL REQUIRED PARKING = 100 spaces	
PARKING PROVIDED 121 spaces (including 5 handicapped spaces)	



BENCH MARKS
 B.M. #14 ELEV. 71.077
 X-CUT IN RM. OF AIR RELEASE MANHOLE TOP OF C. STA. 0+50.5 OF BOLLMAN PLACE
 B.M. #5 ELEV. 70.113
 IRON PIPE @ THE WEST MOST PROPERTY CORNER

PLAN
SCALE 1" = 100'

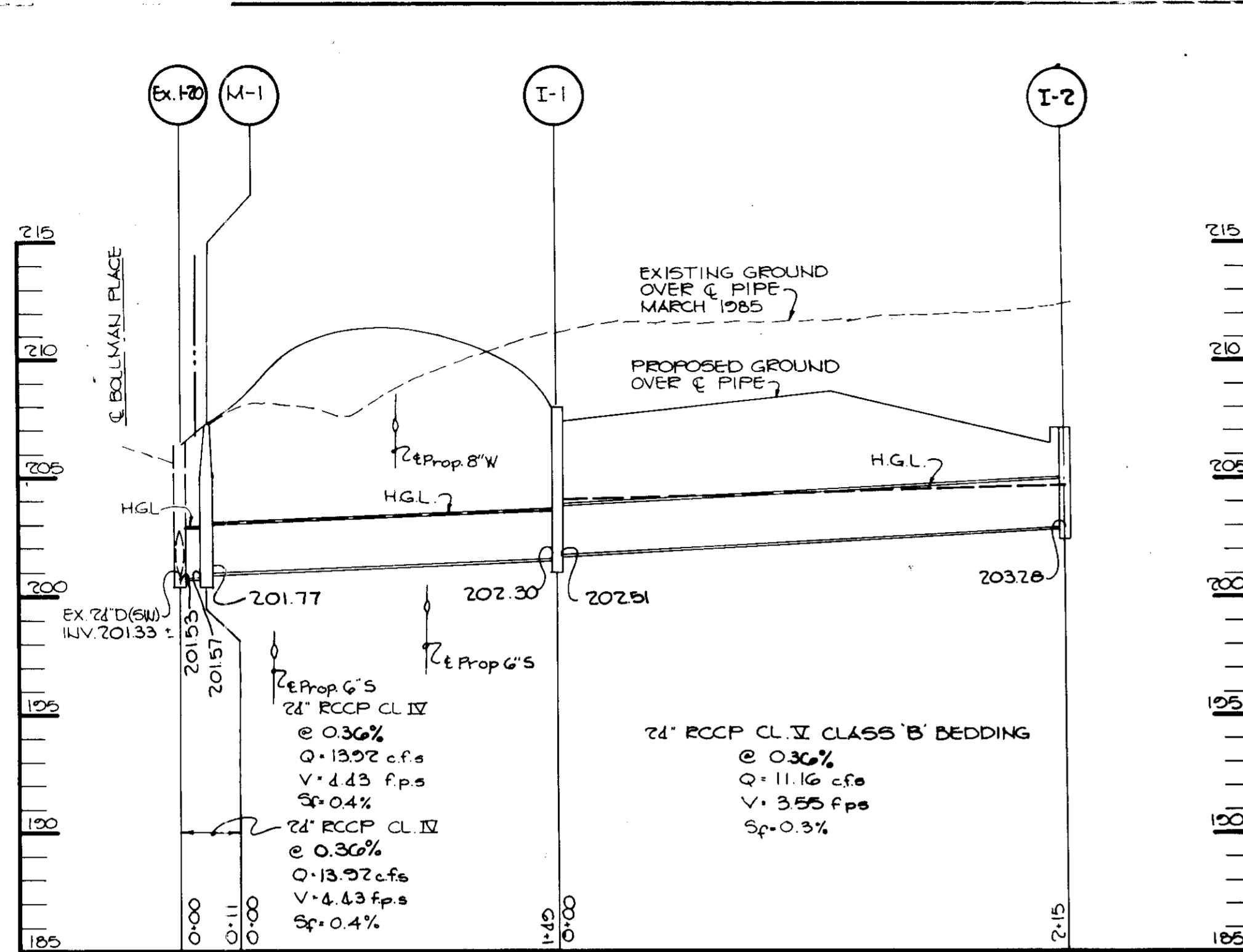


ADDRESS CHART	
LOT NUMBER	STREET ADDRESS
E-1	8705 BOLLMAN PLACE

SUBDIVISION NAME	SECT./AREA	LOT/PARCEL #
CORRIDOR INDUSTRIAL PARK	SECTION 2	PARCEL E-1
PLAT # OR L.P. BLOCK #	ZONE	TAX/ZONE MAP
PLAT 5088	M-2	48
WATER CODE	SEWER CODE	

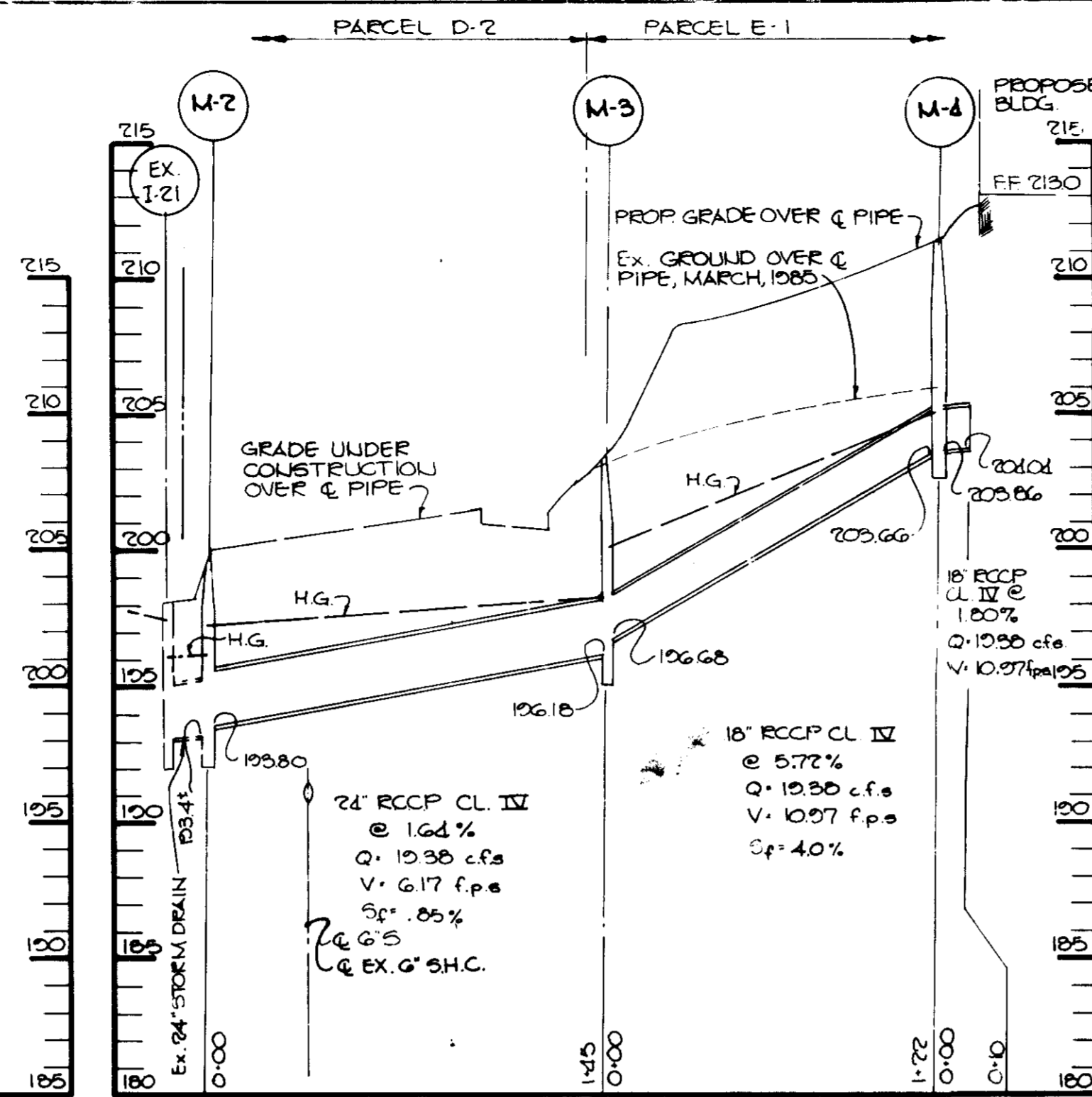
APPROVED
 DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE **5-29-85**

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.	<i>John Boyer</i> 7-12-85 COUNTY HEALTH OFFICER DATE
APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.	<i>Thomas A. Smith</i> 7-15-85 PLANNING DIRECTOR DATE
APPROVED: DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION.	<i>John M. ...</i> 7-15-85 CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE
APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.	<i>Henry E. ...</i> 7-10-85 DIRECTOR DATE
APPROVED: CHIEF, BUREAU OF ENGINEERING.	<i>...</i> 7-9-85 CHIEF, BUREAU OF ENGINEERING DATE
OWNER/DEVELOPER	ROWE DEVELOPMENT COMPANY P.O. BOX 1555 SUITE 020 1001 E MAIN STREET RICHMOND, VIRGINIA 23210
PROJECT	CORRIDOR INDUSTRIAL PARK SECTION 2, PARCEL E-1 RESUBDIVISION OF PARCELS D & E
AREA	TAX MAP # 48 PARCEL E-1 CORRIDOR INDUSTRIAL PARK 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
TITLE	TITLE SHEET
THE RIEMER GROUP, INC.	A LAND PLANNING, DESIGN & CIVIL ENGINEERING FIRM 2105 HEALTH PARK DRIVE, ELLICOTT CITY, MD. 21043 301-61-2690
CHECKED BY	WCV
DESIGNED BY	LJD
DRAWN BY	JCJ
PROJECT NO.	17500
DATE	4-26-85
SCALE	AS SHOWN
DRAWING NO.	1 OF 6



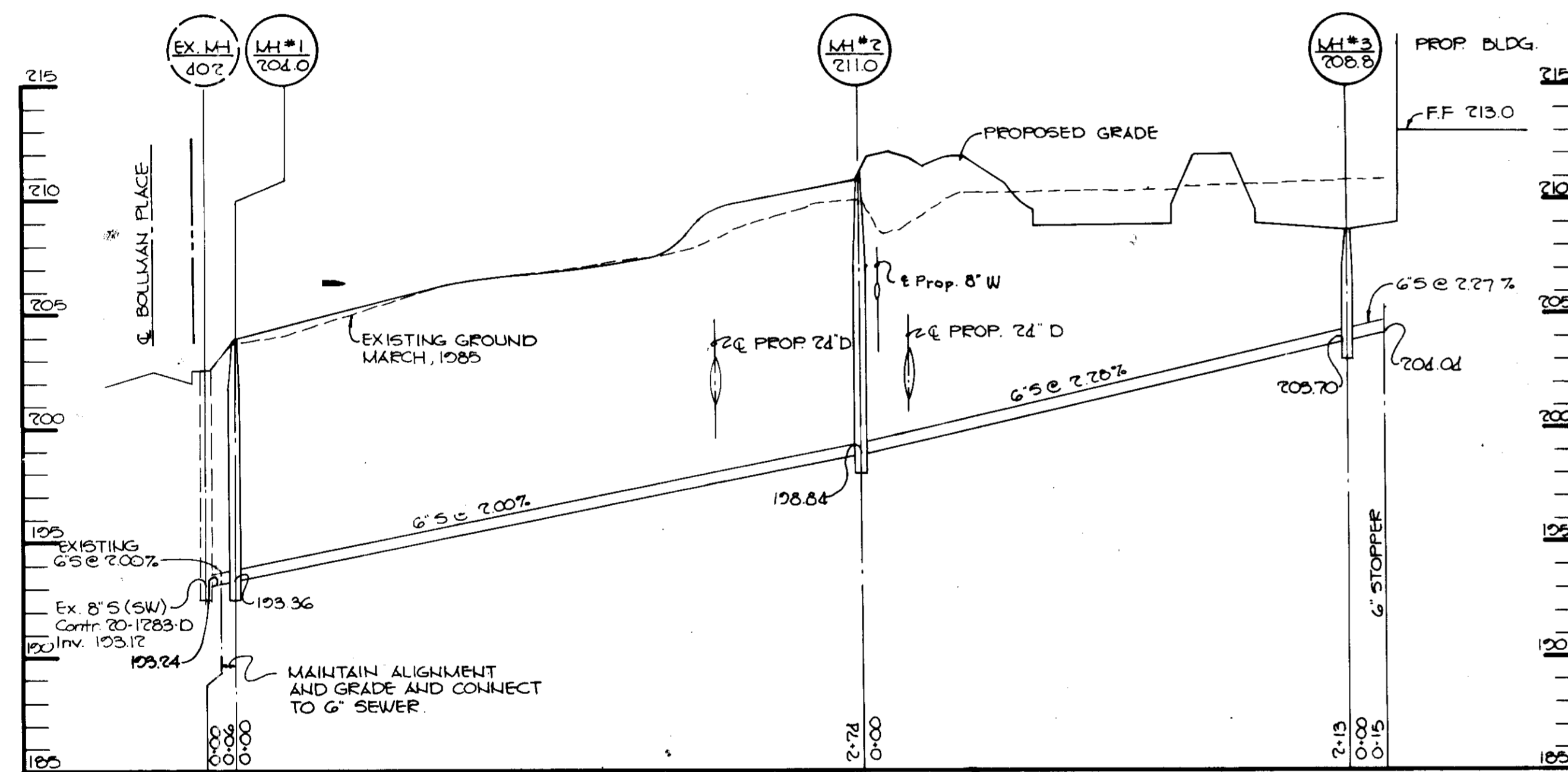
PROFILE

SCALE: HORIZ. 1"=50'
VERT. 1"=5'



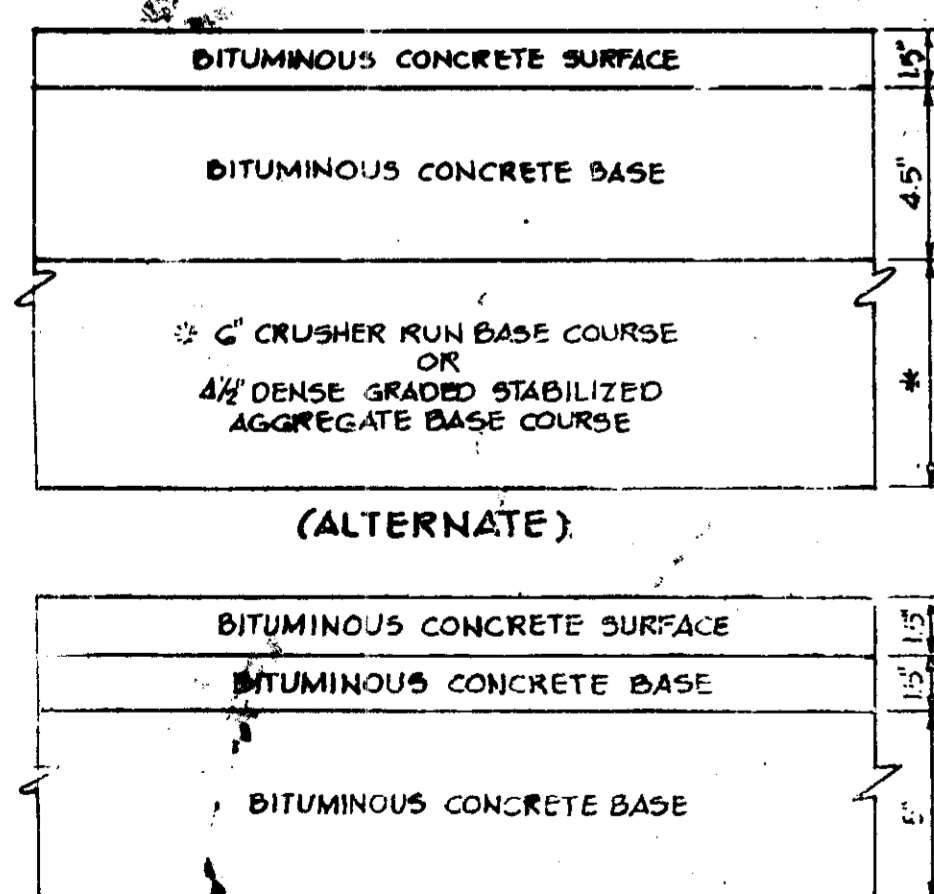
PROFILE

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VERT. 1"=5'



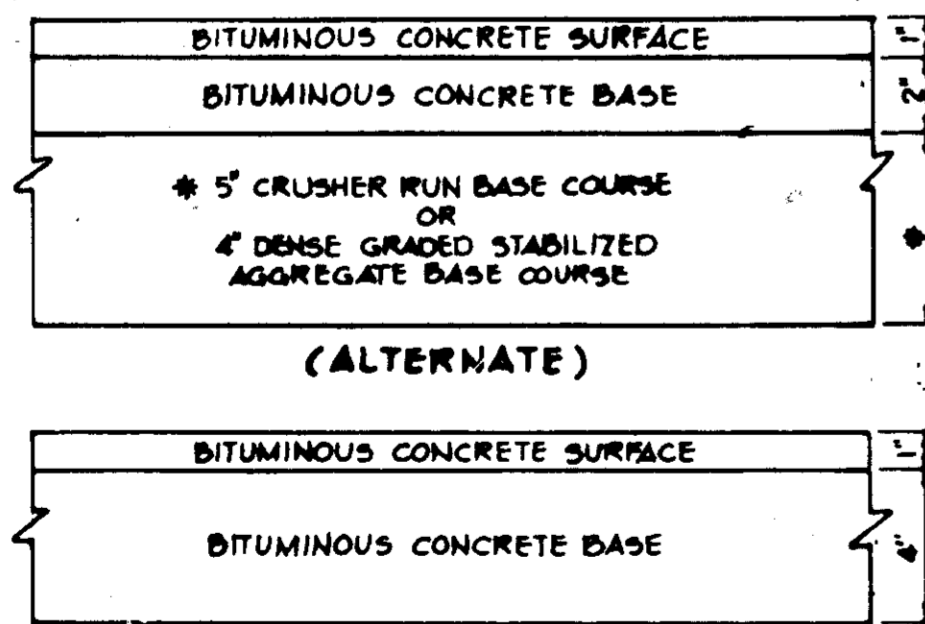
SANITARY SEWER PROFILE

SCALE: HORIZ. 1"=50'
VERT. 1"=5'



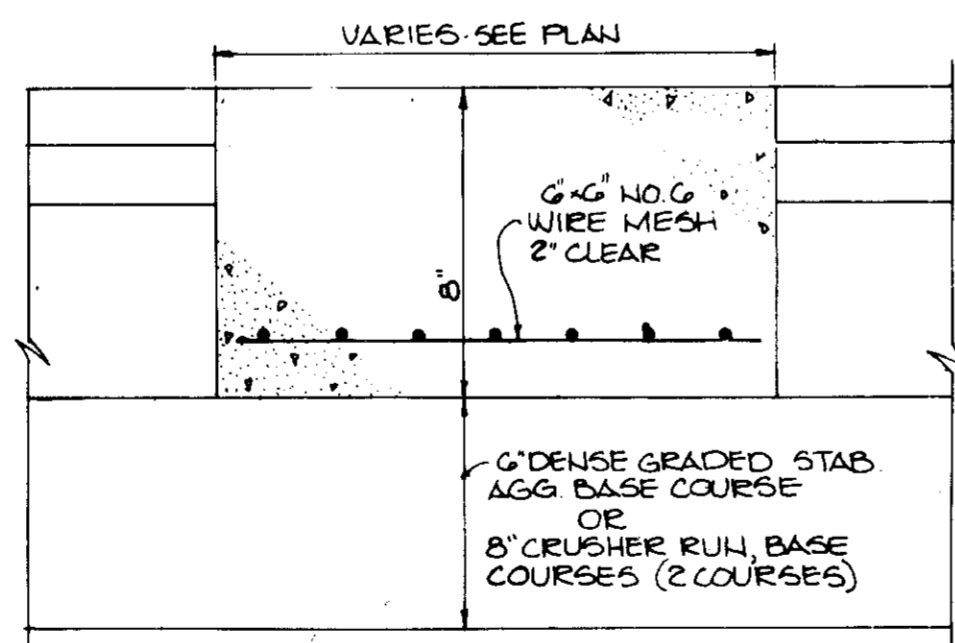
8" P-3 PAVING

NO SCALE



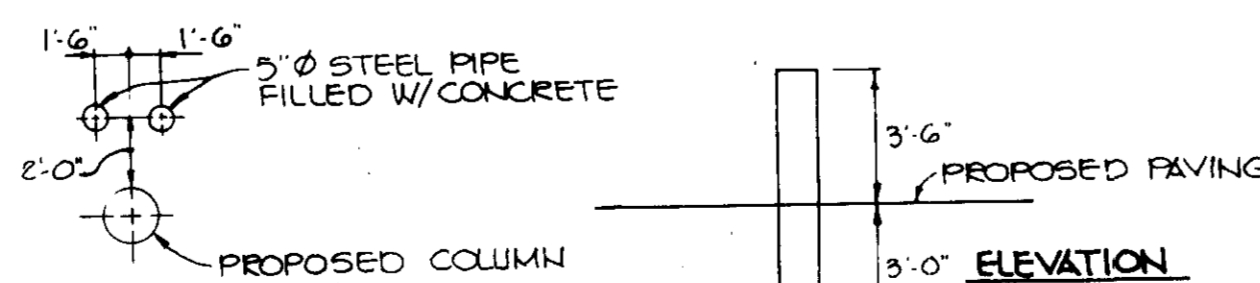
5" P-1 PAVING

NO SCALE



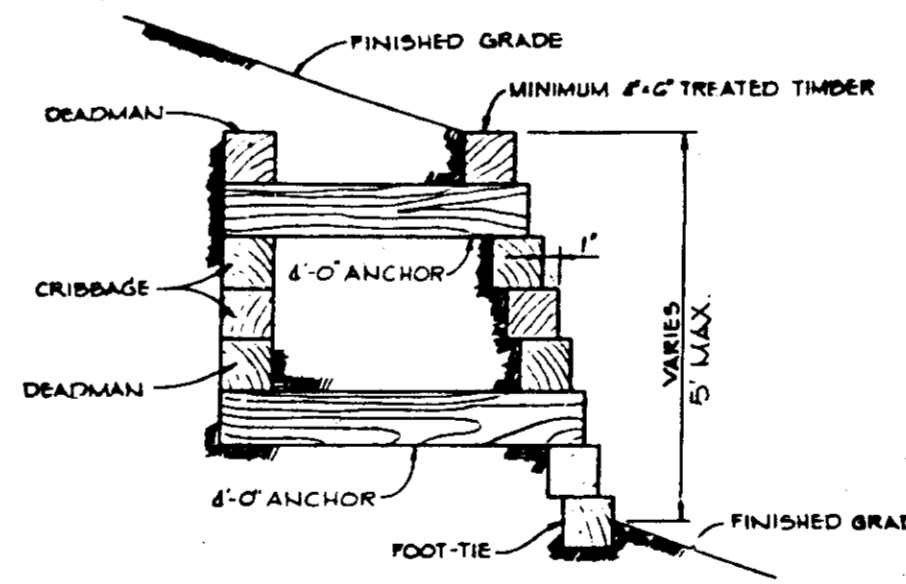
CONCRETE PAVING SECTION

NO SCALE



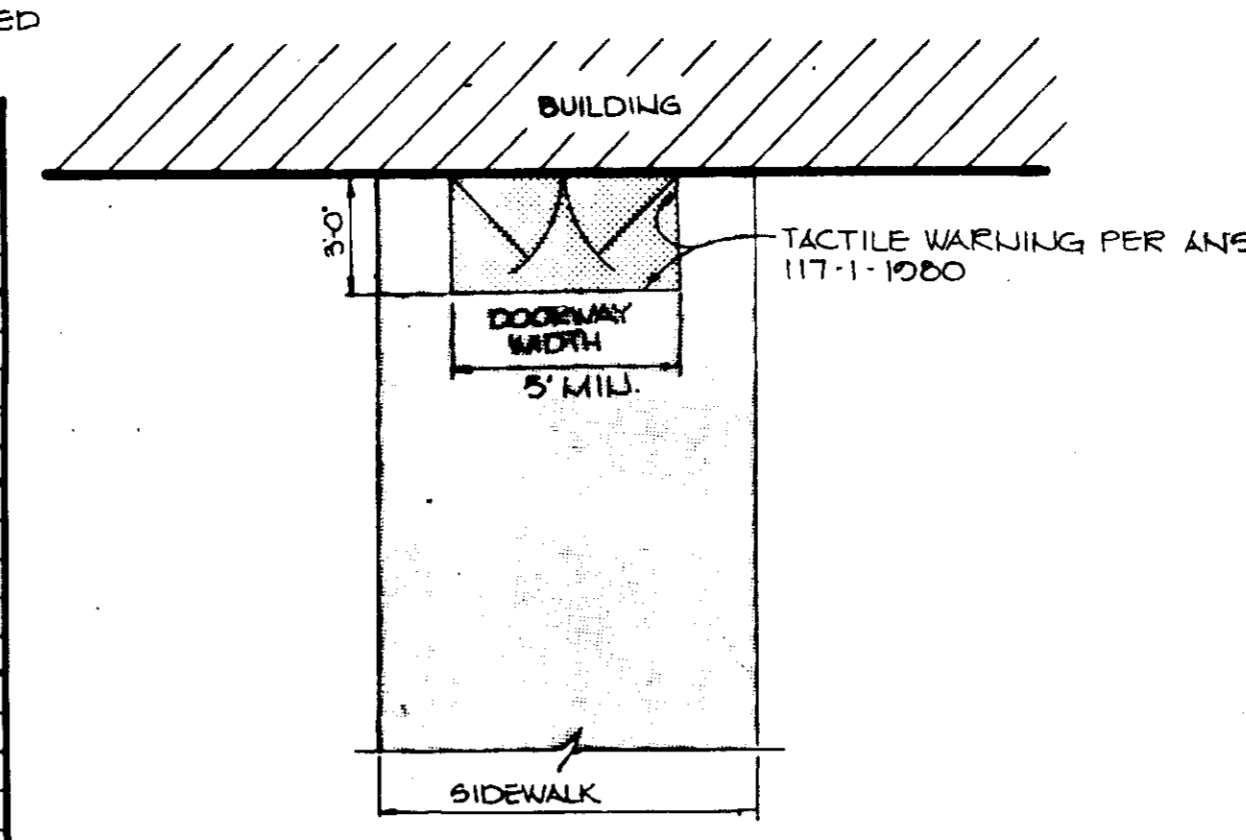
BOLLARD DETAIL

NO SCALE



TIMBER RETAINING WALL

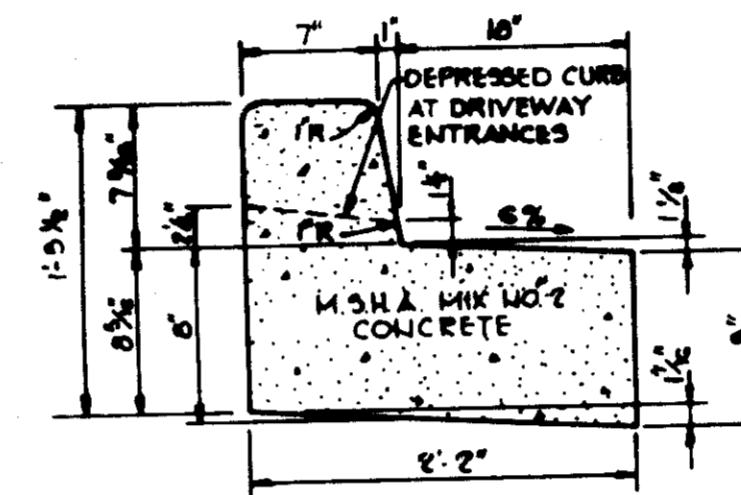
NO SCALE



DETAIL BUILDING ENTRANCE TEXTURAL IDENTIFICATION FOR THE BLIND

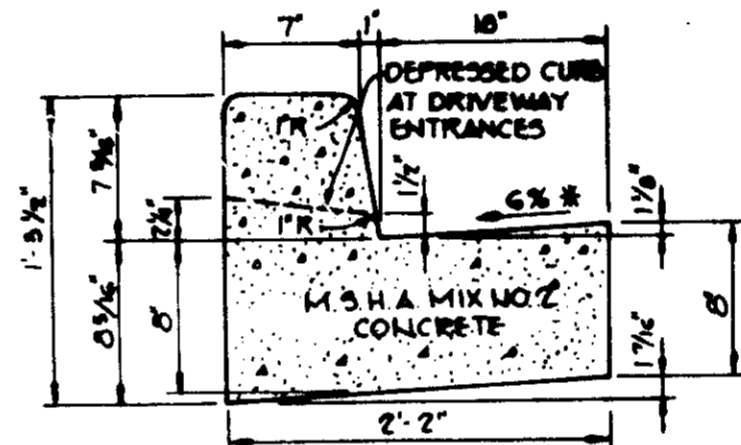
NO SCALE

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



REVERSE 7" COMBINATION CURB AND GUTTER

NO SCALE



STANDARD 7" COMBINATION CURB AND GUTTER

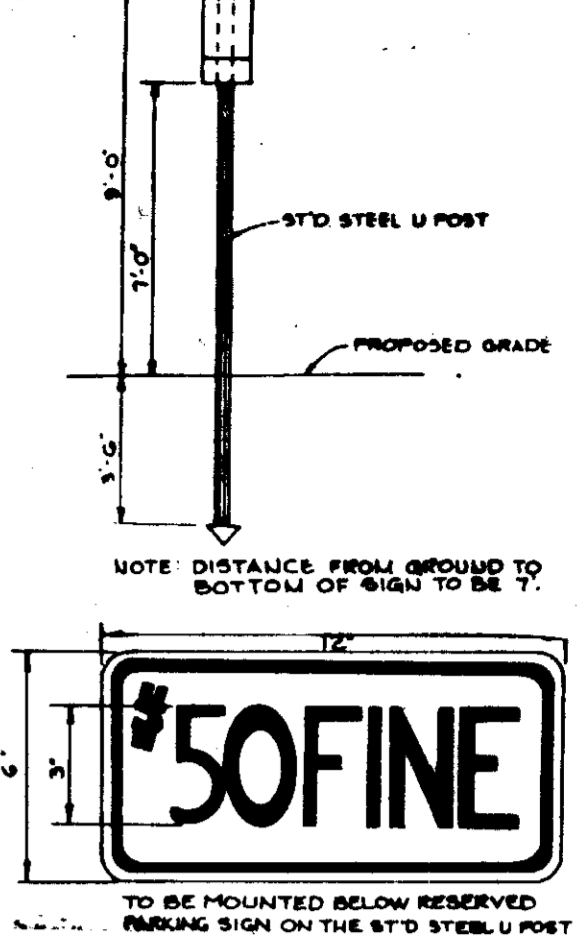
NO SCALE

HOWARD COUNTY DESIGN MANUAL VOLUME II - STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION (DRAWING R-801)
* 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.



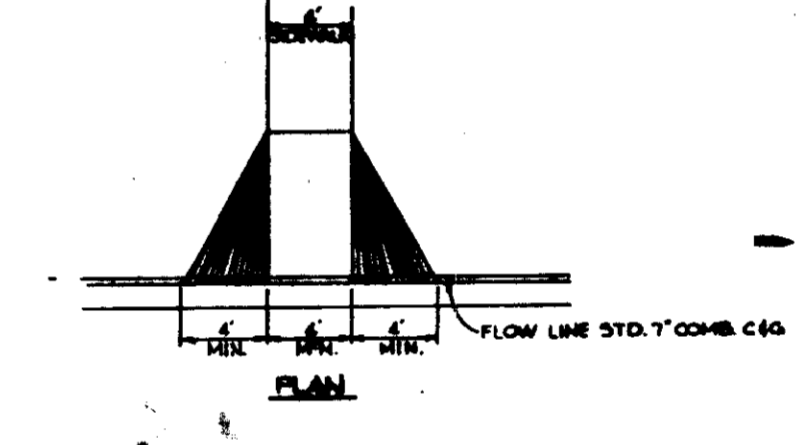
HANDICAP SIGN DETAIL

NO SCALE



SIDEWALK DETAIL

NO SCALE



SIDEWALK RAMP

NO SCALE

MINIMUM CURB HEIGHT SHALL BE 4" UNLESS OTHERWISE SPECIFIED.
* SURFACE FINISH OF CONCRETE RAMP SHALL BE FINISH SPECIFIED IN SECTION OR CURB HIGH-SEED TYPE FINISH.
* STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION (DRAWING R-801)
* 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.

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

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.
James J. Arnold 7-15-85
PLANNING DIRECTOR DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.
James J. Arnold 7-15-85
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.
James F. Neuman 7-18-85
DIRECTOR DATE

Robert E. Ryan 7-18-85
CHIEF, BUREAU OF ENGINEERING DATE

DATE	NO	REVISION

OWNER/DEVELOPER
ROWE DEVELOPMENT COMPANY
PO BOX 1555 SUITE 920
1001 E MAIN STREET
RICHMOND, VIRGINIA 23219

PROJECT **CORRIDOR INDUSTRIAL PARK PARCEL E-1 SECTION 2**

TITLE **PROFILES AND DETAILS**

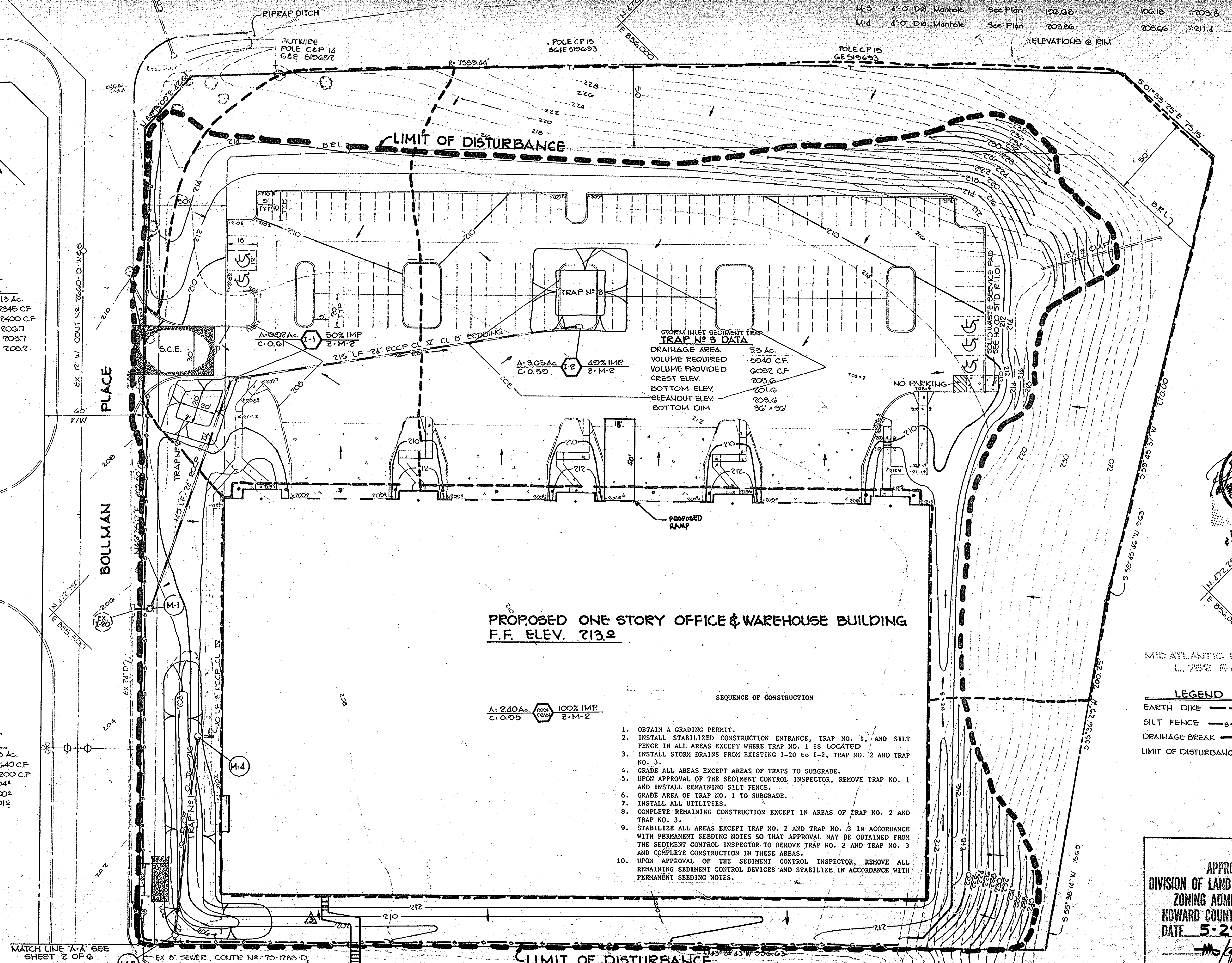
THE RIEMER GROUP, INC.
A LAND PLANNING, DESIGN & CIVIL ENGINEERING FIRM
3105 HEALTH PARK DRIVE, ELLICOTT CITY, MD. 21043 301-461-2690

DATE	CHECKED BY WGW
	DESIGNED BY LJD
	DRAWN BY JGJ
	PROJECT NO 17500
	DATE 4-26-85
	SCALE AS SHOWN
	DRAWING NO 3 OF 6

JUNE 28, 1985 SDP-85-195

NO.	TYPE	LOCATION	INV. IN	INV. OUT	TOP OF CURB ELEVATION	REMARKS
I-1	A-5 Inlet	17' FT. OF STA. 0+85	202.51	202.40	208.0	Ho. Co. Std. 4.01
I-2	A-10 Inlet	17' FT. OF STA. 2+00		203.28	207.1	Ho. Co. Std. SD 4.02
M-1	4'-0" Dia. Manhole	See Plan	201.77 (2" Drain)	201.47	*207.0	Ho. Co. Std. G 5.12
M-2	4'-0" Dia. Manhole	See Plan	102.80	102.50	*200.0	Ho. Co. Std. G 5.12
M-3	4'-0" Dia. Manhole	See Plan	100.68	100.18	*203.8	Ho. Co. Std. G 5.12
M-4	4'-0" Dia. Manhole	See Plan	203.86	203.46	*211.4	Ho. Co. Std. G 5.12

CORRIDOR ROAD



STORM INLET SEDIMENT TRAP- TRAP NO. 2 DATA
 DRAINAGE AREA 13 Ac.
 VOLUME REQUIRED 2345 CF
 VOLUME PROVIDED 2400 CF
 CREST ELEV. 203.7
 BOTTOM ELEV. 203.7
 CLEANOUT ELEV. 203.2

STORM OUTLET SEDIMENT TRAP- TRAP NO. 1 DATA
 DRAINAGE AREA 4.8 Ac.
 VOLUME REQUIRED 8240 CF
 VOLUME PROVIDED 9200 CF
 CREST ELEV. 204.8
 BOTTOM ELEV. 200.8
 CLEANOUT ELEV. 201.8

STORM INLET SEDIMENT TRAP- TRAP NO. 3 DATA
 DRAINAGE AREA 3.3 Ac.
 VOLUME REQUIRED 6240 CF
 VOLUME PROVIDED 6032 CF
 CREST ELEV. 205.6
 BOTTOM ELEV. 201.6
 CLEANOUT ELEV. 203.6
 BOTTOM DIM. 36" x 36"

PROPOSED ONE STORY OFFICE & WAREHOUSE BUILDING
 F.F. ELEV. 213.0

A: 2.40 Ac. 100% IMP
 C.O. 0.05 2:1 M-2

- SEQUENCE OF CONSTRUCTION**
- OBTAIN A GRADING PERMIT.
 - INSTALL STABILIZED CONSTRUCTION ENTRANCE, TRAP NO. 1, AND SILT FENCE IN ALL AREAS EXCEPT WHERE TRAP NO. 1 IS LOCATED.
 - INSTALL STORM DRAINS FROM EXISTING I-20 TO I-2, TRAP NO. 2 AND TRAP NO. 3.
 - GRADE ALL AREAS EXCEPT AREAS OF TRAPS TO SUBGRADE.
 - UPON APPROVAL OF THE SEDIMENT CONTROL INSPECTOR, REMOVE TRAP NO. 1 AND INSTALL REMAINING SILT FENCE.
 - GRADE AREA OF TRAP NO. 1 TO SUBGRADE.
 - INSTALL ALL UTILITIES.
 - COMPLETE REMAINING CONSTRUCTION EXCEPT IN AREAS OF TRAP NO. 2 AND TRAP NO. 3.
 - STABILIZE ALL AREAS EXCEPT TRAP NO. 2 AND TRAP NO. 3 IN ACCORDANCE WITH PERMANENT SEEDING NOTES SO THAT APPROVAL MAY BE OBTAINED FROM THE SEDIMENT CONTROL INSPECTOR TO REMOVE TRAP NO. 2 AND TRAP NO. 3 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.

MID ATLANTIC PAVING CO.
 L. 752 8-220

LEGEND
 EARTH DIKE
 SILT FENCE
 DRAINAGE BREAK
 LIMIT OF DISTURBANCE

APPROVED
 DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE 5-29-85

BY THE DEVELOPER:
 I/WE 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.
 ROWE DEVELOPMENT COMPANY
A Kemp Rowe
 DEVELOPER: A. KEMP ROWE/PRESIDENT DATE 6/1/85

BY THE ENGINEER:
 I/WE 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.
 THE ENGINEER:
Patrick C. Jennings, II
 ENGINEER: PATRICK JENNINGS, II DATE 4/12/85

REVIEWED FOR: HOWARD S.C.D.
 NAME: HOWARD
 AND MEETS TECHNICAL REQUIREMENTS
James M. Helm
 U.S. SOIL CONSERVATION SERVICE DATE 7/3/85

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
Stephen J. Shuler
 HOWARD S.C.D. DATE 7/3/85

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

Joan Boyler
 COUNTY HEALTH OFFICER DATE 7-12-81

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
Thomas L. Armitage
 PLANNING DIRECTOR DATE 7-15-85

William M. Newman
 CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE 7-15-85

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

Steve Neumy
 DIRECTOR DATE 7-10-81

William B. Ryan
 CHIEF, BUREAU OF ENGINEERING DATE 7-9-85

10/8/84 3 STAIRS AND WALKWAY TO 816 BOLLARD PLACE
 10/2/98 A ADDED 18x50 RAMP
 DATE NO REVISION

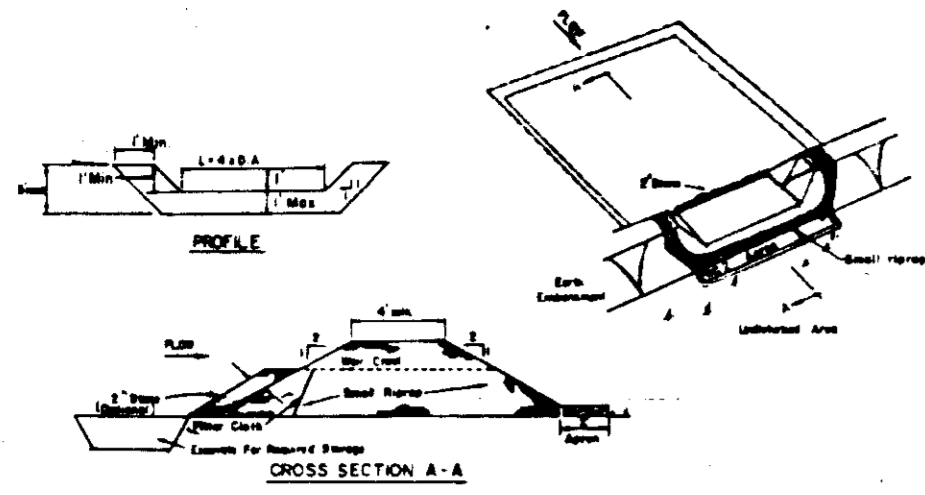
OWNER/DEVELOPER
 ROWE DEVELOPMENT COMPANY
 P.O. BOX 1555 SUITE 02C
 701 E MAIN STREET
 RICHMOND, VIRGINIA 23210

PROJECT **CORRIDOR INDUSTRIAL PARK - PARCEL E-1 SECTION 2**
 AREA TAX MAP LJO 48 PARCEL E-1
 CORRIDOR INDUSTRIAL PARK
 6" ELECTRICAL DISTRICT
 HOWARD COUNTY, MARYLAND

TITLE **SEDIMENT CONTROL PLAN AND DRAINAGE AREA MAP**

THE RIEMER GROUP, INC.
 A LAND PLANNING, DESIGN & CIVIL ENGINEERING FIRM
 3105 HEALTH PARK DRIVE, ELLICOTT CITY, MD. 21043 301 461 2620

6/10/85 DATE
 CHECKED BY WCW
 DESIGNED BY LJD
 DRAWN BY JCD
 PROJECT NO 17900
 DATE 4-26-85
 SCALE 1"=30'
 DRAWING NO. 4 OF 6

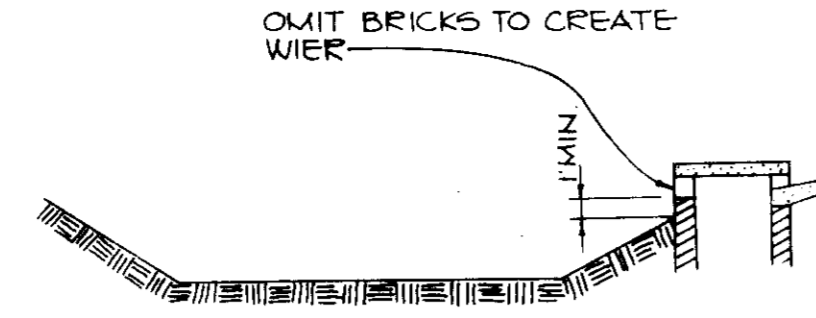


STONE OUTLET SEDIMENT TRAP
NO SCALE

OPTION: A one foot layer of 2" stone may be placed on the upstream side of the riprap in place of the embedded filter cloth.

CONSTRUCTION SPECIFICATIONS FOR STONE

- Area under sedimentation shall be cleared, graded and stripped of any vegetation and roots. The soil area shall be cleared.
- The fill material for the sedimentation shall be free of roots and other woody vegetation as well as over-sized stones, rocks, organic material or other objectionable material. The sedimentation shall be compacted by tamping with equipment while it is being constructed.
- All cut and fill slopes shall be 2:1 or flatter.
- The stone used in the outlet shall be small riprap 4"-6" along with a 1" thickness of 2" aggregate placed on the upstream side on the small riprap embedded filter cloth in the riprap.
- 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.
- 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 structure shall be removed and the area stabilized when the drainage area has been properly stabilized.
- All cut slopes shall be 1:1 or flatter.



STORM INLET SEDIMENT TRAP
NO SCALE

- 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 volume of sediment storage shall be 1800 cubic feet per acre of contributory drainage.
- 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.

Maximum Drainage Area: 3 Acres

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 (992-2437)
- 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	7.4 acres
Area Disturbed	5.8 acres
Area to be roofed or paved	1.5 acres
Area to be vegetatively stabilized	1.5 acres
Total Cut	17000 Cu. yds.
Total Fill	10000 Cu. yds.
Soil Types	Cut & Fill Land
- 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 DPM 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.

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 lime and 0-20-20 fertilizer into the soil to a minimum depth of 3". 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 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 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 reseeding.

TEMPORARY SEEDING NOTES

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

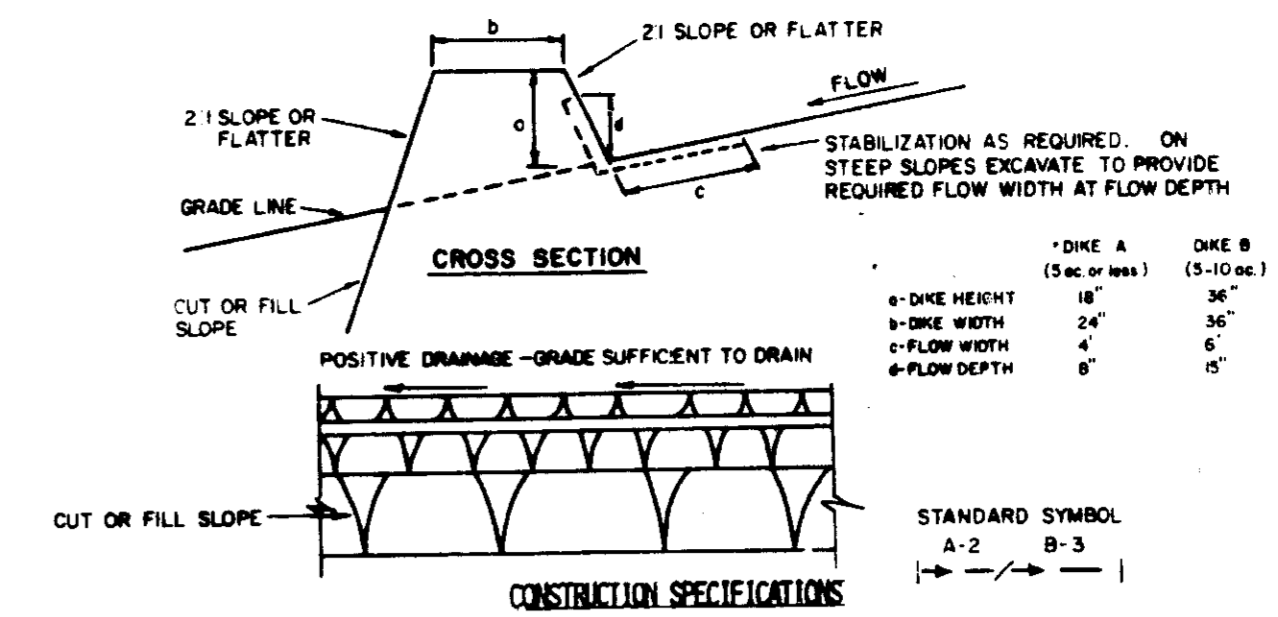
Seedbed Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding.

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 rate and methods not covered.



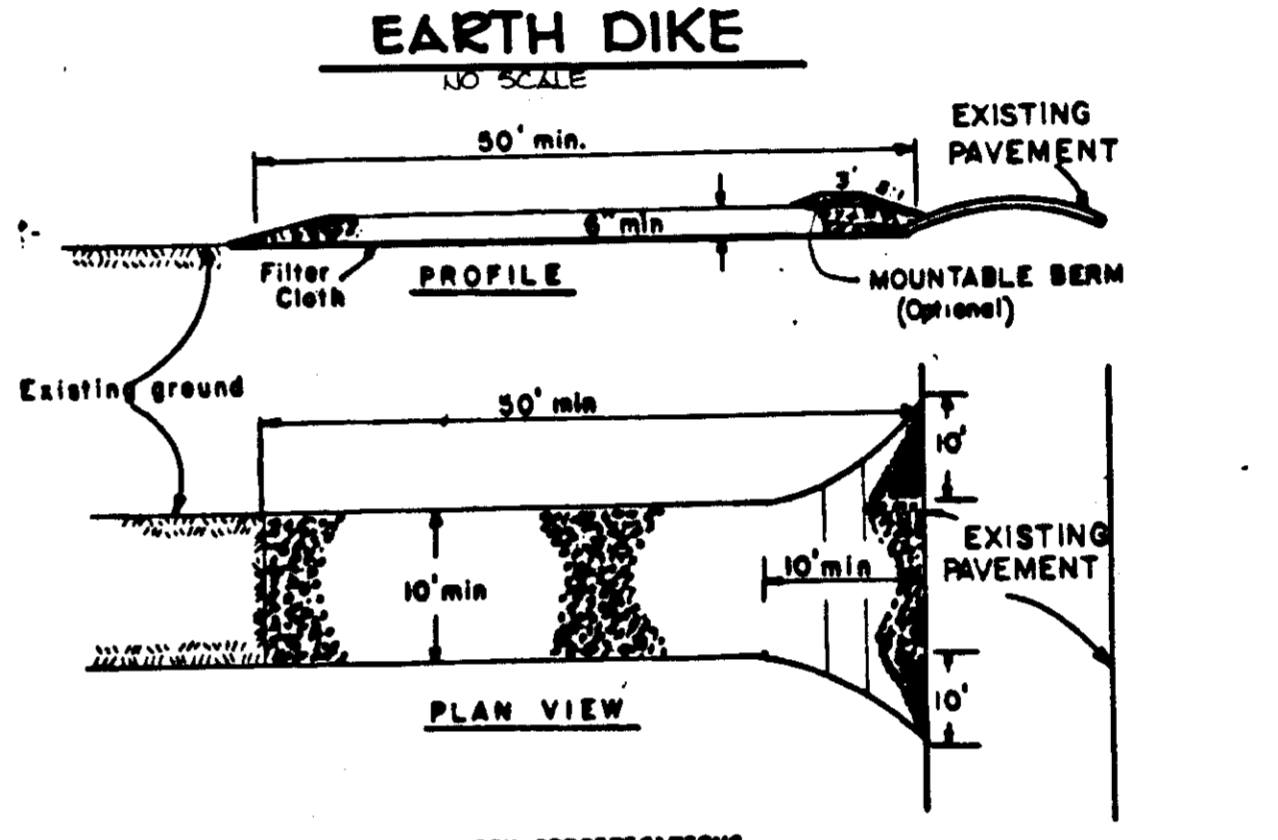
EARTH DIKE
NO SCALE

CONSTRUCTION SPECIFICATIONS

- All dikes shall be compacted by earth-moving equipment.
- Dikes shall have positive drainage to an outlet.
- Field location shall be adjusted as needed to utilize a stabilized safe outlet.
- Earth dikes shall have an outlet that functions with a minimum of erosion. Runoff basins where either the dike channel or the drainage area above the dike are not adequately stabilized.
- 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 the chart below.

TYPE OF TREATMENT	CHANNEL SIZE	DIKE A	DIKE B
1	5-3.0X	SEED AND STRAW MULCH	SEED AND STRAW MULCH
2	3.1-5.0X	SEED AND STRAW MULCH	SEED USING JUTE, OR EXCELSTOR; SOD; 2" STONE
3	5.1-8.0X	SEED WITH JUTE, OR SOD; 2" STONE	LINED RIP-RAP 4-8"
4	8.1-20X	LINED RIP-RAP 4-8"	ENGINEERING DESIGN

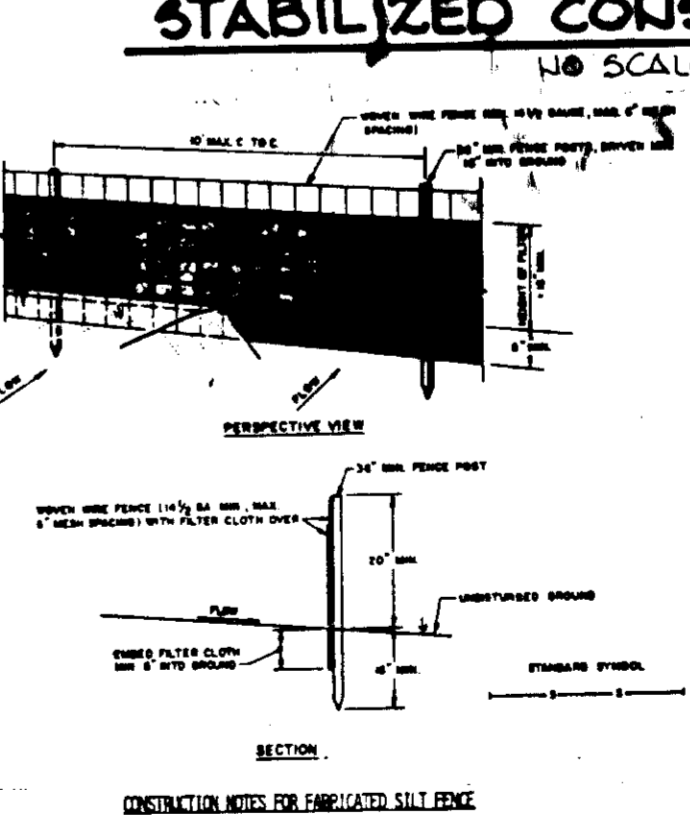
A. Stone to be 2 inch stone, or recycled concrete equivalent, in a layer at least 3 inches in thickness and be pressed into the soil with construction equipment.
B. Rip-rap to be 4-8 inches in a layer at least 8 inches thickness and pressed into the soil.
C. Approved equivalents can be substituted for any of the above materials.
7. Periodic inspection and required maintenance must be provided after each rain event.



STABILIZED CONSTRUCTION ENTRANCE
NO SCALE

CONSTRUCTION SPECIFICATIONS

- Stone Size - Use 2" stone, or reclaimed or recycled concrete equivalent.
- Length - As required, but not less than 50 feet (except on a single residential lot where a 30 foot minimum length would apply).
- Thickness - Not less than six (6) inches.
- Width - Ten (10) feet minimum, but not less than the full width at points where ingress or egress 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 to or from the entrance shall be piped across the entrance. If piping is impractical, a mountable beam with 5:1 slopes will be permitted.
- Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediments onto public rights-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or placement of any materials used to trap sediment. All sediment spilled, dropped, washed or tracked onto public rights-of-way must be removed immediately.
- 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 where drainage into an approved sediment trapping device.
- Periodic inspection and needed maintenance shall be provided after each rain.



SILT FENCE
NO SCALE

CONSTRUCTION NOTES FOR IMPROVED SILT FENCE

- MONITOR WIRE FENCE TO BE FASTENED REGULARLY TO WOOD POSTS WITH WIRE TIES OF STAPLES.
- FILTER CLOTH TO BE FASTENED REGULARLY TO WOOD POSTS WITH WIRE TIES OF STAPLES. POSTS TO BE AT 10' AND 20' INTERVALS.
- MONITOR SECTIONS OF FILTER CLOTH WHICH ARE DAMAGED OR WEAR AND REPLACE WITH NEW FILTER CLOTH OF APPROVED QUALITY.
- MAINTENANCE SHALL BE PROVIDED AS NEEDED TO MAINTAIN PROPER AND EFFECTIVE OPERATION OF THE FENCE.

POSTS: STEEL STAPLES TO WIRE TIES OF STAPLES.
FENCE: MONITOR WIRE, 1/2" GAL. 18 GA. WIRE.
FILTER CLOTH: FILTER CLOTH SHALL BE FASTENED TO WOOD POSTS WITH WIRE TIES OF STAPLES.
PREPARATION: (SEE) GENERAL SPECIFICATIONS OF APPROVED QUALITY.

APPROVED
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 5-29-85

BY THE DEVELOPER:

I/WE 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.

ROUVE DEVELOPMENT COMPANY
Al Kemp 6/7/85
DEVELOPER: A. KEMP ROUVE-PRESIDENT DATE

BY THE ENGINEER:

I/WE 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.

THE ENGINEER:
Patrick C. Jennings II 6/10/85
ENGINEER: PATRICK C. JENNINGS II DATE

REVIEWED FOR: HOWARD S.C.D.
NAME: *Howard*
AND MEETS TECHNICAL REQUIREMENTS

James M. Hahn 7/3/85
U.S. SOIL CONSERVATION SERVICE DATE

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

Stephen L. Huber 7/3/85
HOWARD S.C.D. DATE

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

Joan P. Hahn 7-12-85
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.

Thomas J. Hamig 7-15-85
PLANNING DIRECTOR DATE

William M. Schuman 7-15-85
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

Henry F. Neumeier 7-10-85
DIRECTOR DATE

William E. Rahn 7-9-85
CHIEF, BUREAU OF ENGINEERING DATE

DATE	NO.	REVISION

OWNER/DEVELOPER
ROUVE DEVELOPMENT COMPANY
P.O. BOX 1555 SUITE 020
1001 E. MAIN STREET
RICHMOND, VIRGINIA 23210

PROJECT
CORRIDOR INDUSTRIAL PARK
PARCEL E-1 SECTION 2

AREA TAX MAP 10-04B
CORRIDOR INDUSTRIAL PARK
6TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

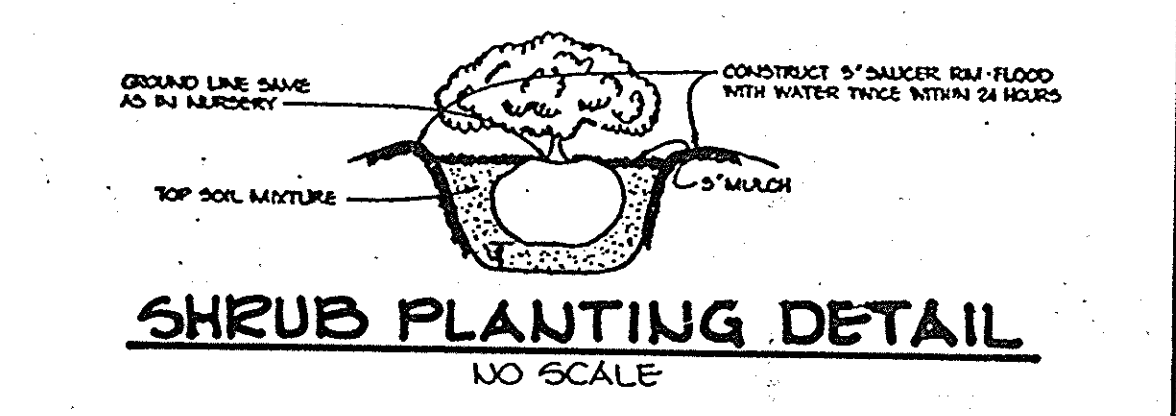
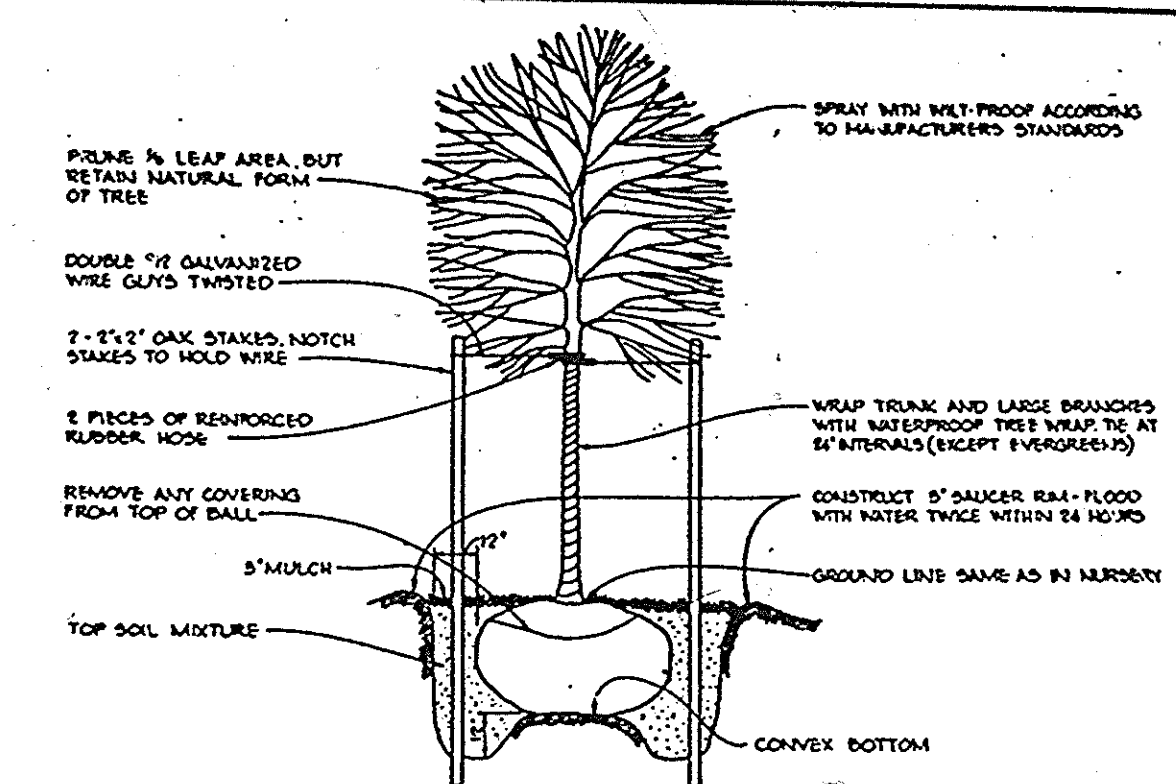
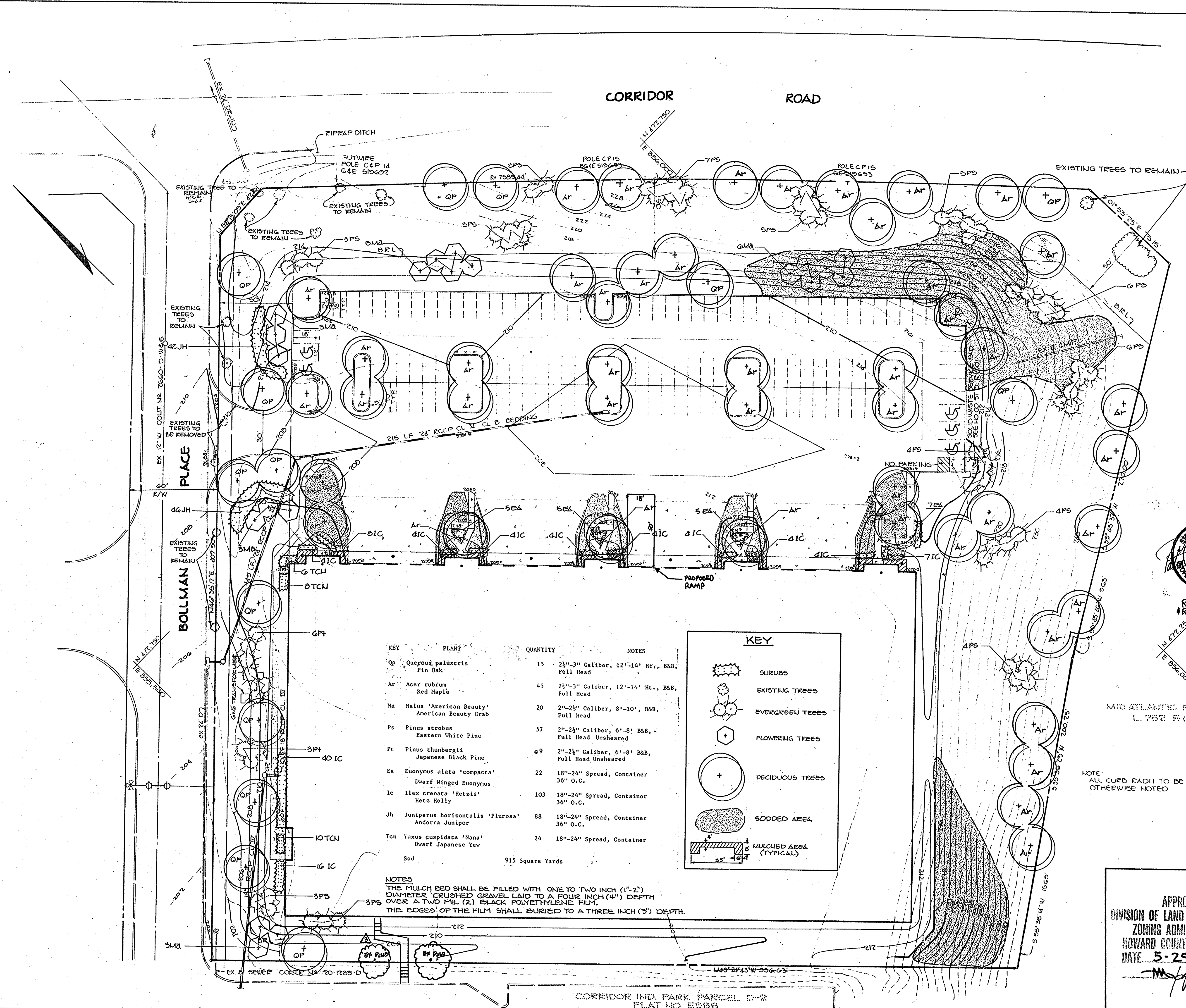
TITLE
SEDIMENT CONTROL DETAILS

THE RIEMER GROUP, INC.
A LAND PLANNING, DESIGN & CIVIL ENGINEERING FIRM
3105 HEALTH PARK DRIVE, ELLICOTT CITY, MD. 21043 301-461-2600

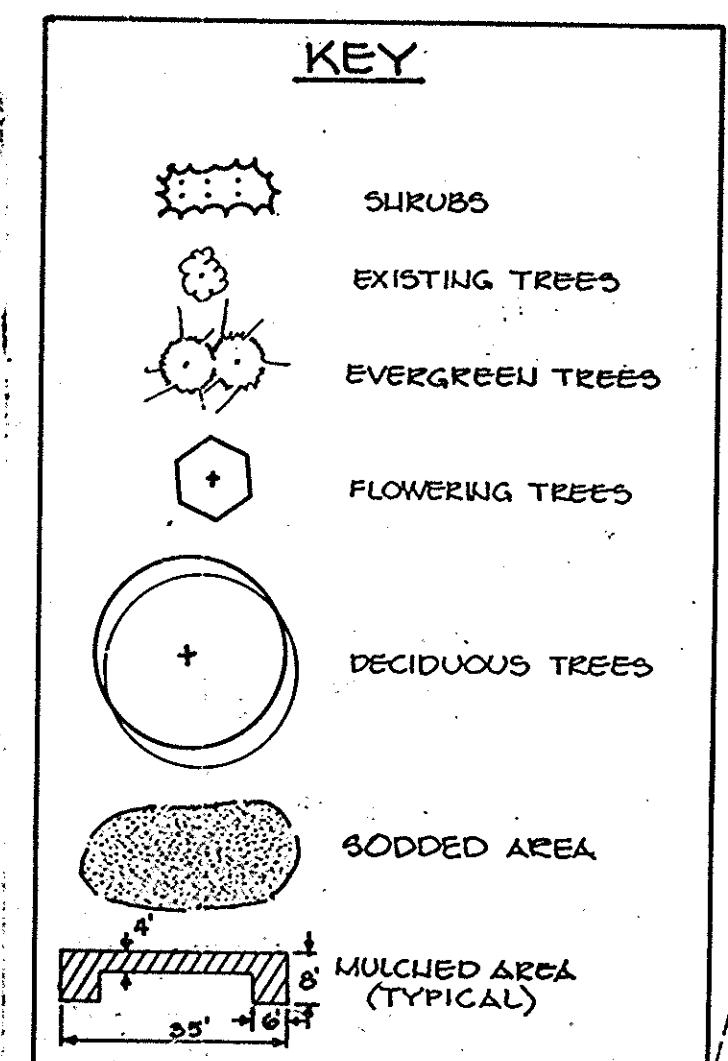
6/10/85
DATE

CHECKED BY WCW
DESIGNED BY L.J.O.
DRAWN BY DAKI
PROJECT NO. 17000
DATE 4-28-85
SCALE AS SHOWN
DRAWING NO. 5 OF 6

STATE OF MARYLAND
DEPARTMENT OF NATURAL RESOURCES
SOIL CONSERVATION DISTRICT



KEY	PLANT	QUANTITY	NOTES
Qp	Quercus palustris Pin Oak	15	2 1/2"-3" Caliber, 12'-14' Ht., B&B, Full Head
Ar	Acer rubrum Red Maple	45	2 1/2"-3" Caliber, 12'-14' Ht., B&B, Full Head
Ma	Malus 'American Beauty' American Beauty Crab	20	2"-2 1/2" Caliber, 8'-10', B&B, Full Head
Ps	Pinus strobus Eastern White Pine	57	2"-2 1/2" Caliber, 6'-8' B&B, Full Head Unsheared
Pt	Pinus thunbergii Japanese Black Pine	69	2"-2 1/2" Caliber, 6'-8' B&B, Full Head Unsheared
Ea	Euonymus alata 'compacta' Dwarf Winged Euonymus	22	18"-24" Spread, Container 36" O.C.
Ic	Ilex crenata 'Hetzii' Hetz Holly	103	18"-24" Spread, Container 36" O.C.
Jh	Juniperus horizontalis 'Plumosa' Andorra Juniper	88	18"-24" Spread, Container 36" O.C.
Ten	Taxus cuspidata 'Nana' Dwarf Japanese Yew	24	18"-24" Spread, Container 36" O.C.
Sod		915 Square Yards	



NOTES
THE MULCH BED SHALL BE FILLED WITH ONE TO TWO INCH (1"-2") DIAMETER CRUSHED GRAVEL LAID TO A FOUR INCH (4") DEPTH OVER A TWO MIL (2) BLACK POLYETHYLENE FILM. THE EDGES OF THE FILM SHALL BE BURIED TO A THREE INCH (3") DEPTH.

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.
Joseph A. ... 7-14-85
DIRECTOR

APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING.
John W. ... 7-15-85
PLANNING DIRECTOR

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.
George F. ... 7-10-85
DIRECTOR



MID ATLANTIC PAVING CO.
L. 782 F. 420

NOTE ALL CURB RADII TO BE 5' UNLESS OTHERWISE NOTED

APPROVED ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 5-29-85

10/18/84	3	STAIRS AND WALKWAY TO BT15 BOLLARD PLACE
10/2/85	2	ADDED 18'x50' RAMP
DATE	NO	REVISION
OWNER/DEVELOPER		
RCW DEVELOPMENT COMPANY P.O. BOX 1555 SUITE 202 1001 E. MAIN STREET RICHMOND, VIRGINIA 23210		
PROJECT CORRIDOR INDUSTRIAL PARK PARCEL E-1		
AREA TAX MAP NO 48 SECT. 2 PARCEL E-1 G7-ELECTRICAL DISTRICT HOWARD COUNTY, MARYLAND		
TITLE PLANTING PLAN		

THE RIEMER GROUP, INC.
A LAND PLANNING, DESIGN & CIVIL ENGINEERING FIRM
3105 HEALTH PARK DRIVE, ELLICOTT CITY, MD. 21043 301 461-2610

June 10, 1985

DESIGNED BY T.D.F.
DRAWN BY P.E.R.
PROJECT NO 17900
DATE 4-20-85
SCALE 1"=30'
DRAWING NO 6 OF 6

Melanie Moser
MELANIE MOSER, L.A.