

VICINITY MAP
SCALE: 1" = 2000'

APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT

James M. Bond 11/15/89
COUNTY HEALTH OFFICER DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE,
STORM DRAINAGE SYSTEMS & PUBLIC ROADS
HOWARD CO. DEPT. OF PUBLIC WORKS

James M. Bond 11/15/89
DIRECTOR DATE
James M. Bond 11-15-89
CHIEF, BUREAU OF ENGINEERING DATE

APPROVED: HOWARD COUNTY DEPT. OF
PLANNING & ZONING

Joseph S. Smith 12/3/89
PLANNING DIRECTOR DATE
Joseph S. Smith 12/3/89
CHIEF, DIV. OF COMMUNITY PLANNING & LAND DEVELOPMENT DATE

SEDIMENT CONTROL

BY THE DEVELOPER:
I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN AND THAT MANY 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.
I ALSO AUTHORIZE THE PERIODIC ON SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT.

SIGNATURE OF DEVELOPER _____ 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.

SIGNATURE OF ENGINEER _____ DATE _____

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

U.S. SOIL CONSERVATION SERVICE _____ DATE _____

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

HOWARD S.C.D. _____ DATE _____

APPROVED
DIVISION OF
COMMUNITY PLANNING
& LAND DEVELOPMENT
HOWARD COUNTY
MARYLAND
DATE 8-9-89

BEFORE BEGINNING CONSTRUCTION, CONTACT
MISS UTILITY AT 1-800-257-7777 AT LEAST
48 HOURS PRIOR TO CONSTRUCTION

B.M. 2444007 ELEV 252.125
N 493871.217 E 863850.985
1 MILE NORTHEAST OF ACCESS
RTE. 175 AND 0.50 MILE
SOUTHWEST OF RTE. 100 EXIT
ABOUT 4.75' SOUTH OF THE
NORTHBOUND LANES OF I-95
(A REBAR MONUMENT APPROX.
0.10' BELOW GROUND).

B.M. 2444008 ELEV 245.81
N 493163.007 E 863337.082
0.80 MILE NORTHEAST OF
ACCESS RTE. 175 ABOUT 7.70'
SOUTH OF THE NORTHBOUND
LANES OF I-95 (A REBAR
MONUMENT APPROXIMATE 0.6'
BELOW GROUND).

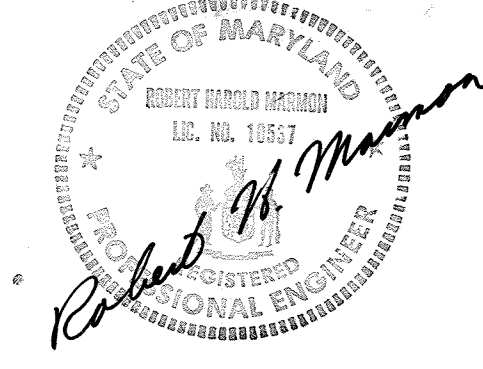
Meadowridge Memorial Park, Inc.
151/32

LAND DEDICATED TO PUBLIC
USE FOR PURPOSE OF A
PUBLIC ROAD.

MEADOWRIDGE ROAD (MD. RTE. 103)
VEHICULAR INGRESS AND
EGRESS IS RESTRICTED.

NOTE: EXISTING TOPOGRAPHY FROM
GREENHORNE & O'MARA
ON MAY, 1988

TEMPORARY ACCESS LOCATION
UNTIL BUSINESS PARKWAY IS
GRADED AND ACCESS CAN
BE PROVIDED.



10-22-20
PROFESSIONAL ENGINEER
No. 18558
STATE OF MARYLAND

10/28/20
FOR REVISION #3 ONLY
NJB ENGINEERING, INC.

REDLINE DESIGN PROFESSIONAL
(3/28/20 REVISIONS)
NJB ENGINEERING, INC.
BIO GLENAGLES COURT, SUITE 311
TOWSON, MARYLAND 21286
(410) 852-7621

NICHOLAS J. BRADER III
PROFESSIONAL ENGINEER
MD LICENSE # 18558

Blue Stream Partnership
994-547

INDEX

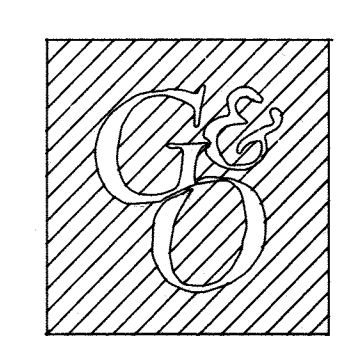
SHEET NUMBER	TITLE
1.	Site Plan Index: 1"=100'
2.	Site Plan: Buildings A, B1 & B2: 1"=50'
3.	Site Plan: Buildings A, B1 & B2: 1"=50'
4.	Site Details
5.	Site Details
6.	Storm Drain Profiles
7.	Storm Drain Profiles
8.	Storm Drain Details
9.	Sediment Control Plan
10.	Sediment Control Plan
11.	Sediment Control Details
12.	Drainage Area Map: 1"=100'
13.	Planting and Lighting Plan
14.	Planting and Lighting Plan

* NOTE: The wetland buffer indicated on this SDP does not affect the initial construction of the grading, buildings, parking, and utilities on a lot or parcel. It does prohibit subsequent clearing, grading, or construction in the buffer area. Maintenance of buildings, parking, landscaping, and utilities is permitted.

PARCEL #	STREET ADDRESS	SUBDIVISION NAME	SECT./AREA	LOT/PARCEL
A	6745 BUSINESS PARKWAY	MEADOWRIDGE BUSINESS PARK		
B - BLDG. B-1	6725 BUSINESS PARKWAY	PLAT NO. OR LVP/BLOCK NO./ZONE/TAX/ZONING MAP/ELEC. DIST./CENSUS TR.	9045 + 9046 22 M1 37	1st 6012
B - BLDG. B-2	6735 BUSINESS PARKWAY	WATER CODE		SEWER CODE

Owner/Developer
MEADOWRIDGE INDUSTRIAL PARTNERSHIP
10005 Old Columbia Road
Columbia, MD 21046
(301) 381-4444

No.	REVISION	DATE	BY
1	ADD EXTERIOR DOOR & TIE-IN CONCRETE SIDEWALK, ADD 1 EXTERIOR DOOR, REMOVE & REPLACE CURB W/IN CURB AND CONC. APPROX	9/28/20	NJB



ENGINEERS ARCHITECTS PLANNERS SCIENTISTS SURVEYORS PHOTOGRAMMETRISTS
GREENHORNE & O'MARA, INC.
113 WEST ROAD, SUITE 208
BALTIMORE, MD. 21204
(301) 296-4100
ANNAPOLIS, MD ATLANTA, GA AURORA, CO CULPEPER, VA EXPORT, PA FAIRFAX, VA
GREENBELT, MD MANASSAS, VA ROCKVILLE, MD RALEIGH, NC TAMPA, FL

SITE PLAN INDEX: PARCELS A & B
MEADOWRIDGE BUSINESS PARK
Liber 1419, FOLIO 500 Tax Map 37
ZONE: M-1
1st ELECTION DISTRICT

SVP DESIGN SCALE 1"=100'
MFF DRAWN
RHM CHECKED SHEET
OCT. 1988 DATE
JOB No. B-1101-X
FILE No.

SITE DATA

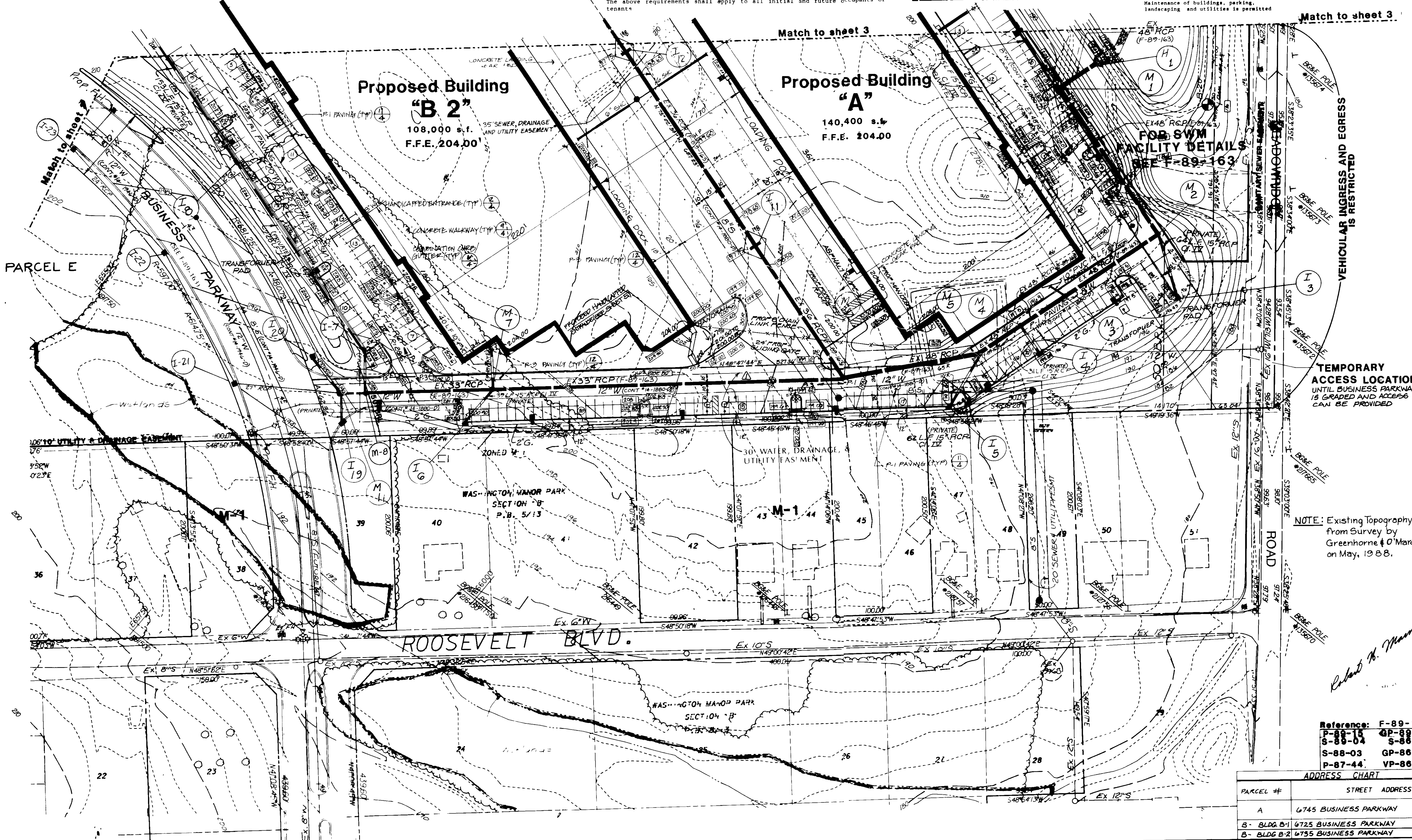
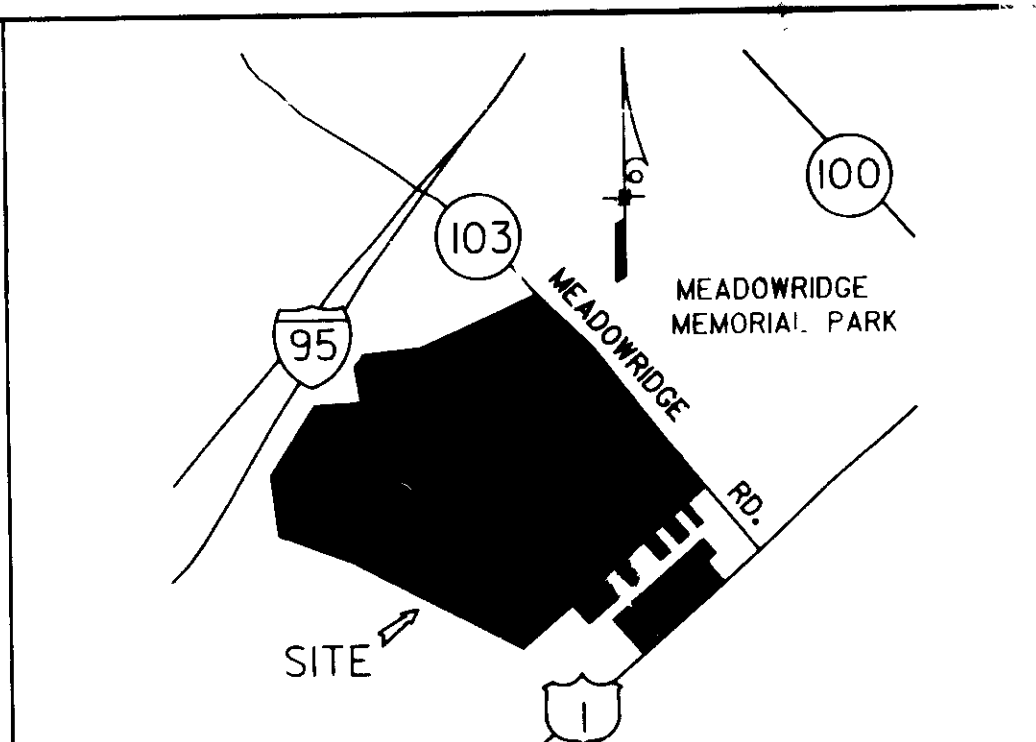
	PARCEL A	PARCEL B	REQUIRED	PROVIDED
TOTAL AREA	365,422 SF	453,679 SF		
TOTAL FLOOR AREA	340,400 SF	192,000 SF		
BUILDING COVERAGE	58.42%	42.32%		
OFFICE	101	101		
WAREHOUSE	901	901		
TOTAL OFFICE AREA	34,040 SF	19,200 SF		
EMPLOYEES @ 1 EMPLOYEE/200 SF	71	96		
PARKING REQUIRED @ 7 SPACES/10 EMPLOYEES	50	68		
TOTAL WAREHOUSE AREA	324,360 SF	172,800 SF		
EMPLOYEES @ 1 EMPLOYEE/1000 SF	127	173		
PARKING REQUIRED @ 1 SPACE/2 EMPLOYEES	64	87		
TOTAL PARKING REQUIRED	114	155		
TOTAL PARKING PROVIDED	207	215		

GENERAL NOTES

- Existing Zoning M-1
 - Final Development Plan Reference F-89 163
 - Tax Map 37
 - Total Area of Parcel A 8.3881 Ac (365,422 SF)
 - Total Area of Parcel B 10.4152 Ac (453,679 SF)
- The owner shall provide a separate 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 18.122A of the Howard County Code, each separate and independent sewer connection shall include 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.

LEGEND

- Proposed Building Setbacks
- Existing Contour
- Proposed Contour
- Field Located Wetlands
- Existing Sanitary Line
- Proposed Sanitary Line
- Existing Storm Drainage Line (S11 F 89 163)
- Proposed Storm Drainage Line (Private)
- Existing Water Line
- Proposed Water Line
- Wetland Buffer
- Proposed Fire Hydrant
- Proposed Catch Basin
- Existing Tree Line
- Dumpster and Dumpster Pad
- Type 1 Light (see Sheet 13)
- PROPOSED GAS MAIN
- Number of Parking Spaces in Area
- TRANSFORMER PAD



APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT

James M. Boyd 11/15/89
COUNTY HEALTH OFFICER DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS & PUBLIC ROADS
HOWARD CO. DEPT. OF PUBLIC WORKS

James J. ... 11/14/89
DIRECTOR DATE

... 11/22/89
CHIEF, BUREAU OF ENGINEERING DATE

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING

... 12/8/89
PLANNING DIRECTOR DATE

... 12/2/89
CHIEF, DIV. OF COMMUNITY PLANNING & LAND DEVELOPMENT DATE

SEDIMENT CONTROL

BY THE DEVELOPER:

I, THE DEVELOPER, CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT MANY 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.

I ALSO AUTHORIZE THE PERIODIC ON SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT.

SIGNATURE OF DEVELOPER _____ DATE _____

TEMPORARY ACCESS LOCATION UNTIL BUSINESS PARKWAY IS GRADED AND ACCESS CAN BE PROVIDED

BY THE ENGINEER:

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

SIGNATURE OF ENGINEER _____ DATE _____

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

U.S. SOIL CONSERVATION SERVICE DATE _____

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

HOWARD S.C.D. DATE _____

NOTE: Existing Topography from Survey by Greenhome & O'Mara on May, 1988.

APPROVED

DIVISION OF COMMUNITY PLANNING & LAND DEVELOPMENT

HOWARD COUNTY, MARYLAND

DATE 8-9-87

J.B.

BEFORE BEGINNING CONSTRUCTION, CONTACT MISS UTILITY AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION

Reference: F-89-163
P-88-18 GP-89-14
S-88-04 S-88-11
S-88-03 GP-86-46
P-87-44 VP-86-83

PARCEL #	STREET ADDRESS	PLAT NO. OR L.P. BLOCK NO. ZONE	TAX/ZONE MAP ELEC. DIST.	CENSUS TR.
A	6745 BUSINESS PARKWAY	9045 + 9046 22 M-1 37	1st	6012
B - BLDG B-1	6725 BUSINESS PARKWAY			
B - BLDG B-2	6735 BUSINESS PARKWAY			

Owner/Developer

MEADOWRIDGE INDUSTRIAL PARTNERSHIP
10005 Old Columbia Road
Columbia, Md. 21046
(301) 381-4444

No.	REVISION	DATE	BY
1	REVISED MAN-DOOR & RAMP TO HO WALK	1-3-91	KPM
2	ADDED 5' WALK & FORKLIFT RAMP	10-16-90	KPM

ENGINEERS ARCHITECTS PLANNERS SCIENTISTS SURVEYORS PHOTOGRAMMETRISTS

GREENHORNE & O'MARA, INC.
113 WEST ROAD, SUITE 200
BALTIMORE, MD. 21204
(301) 296-4100

ANNAPOLIS, MD ATLANTA, GA AURORA, CO CULPEPER, VA EXPORT, PA FAIRFAX, VA
GREENBELT, MD MANASSAS, VA ROCKVILLE, MD RALEIGH, NC TAMPA, FL

SITE PLAN: PARCELS A & B

MEADOWRIDGE BUSINESS PARK

Liber 1419, FOLIO 500 Tax Map 37

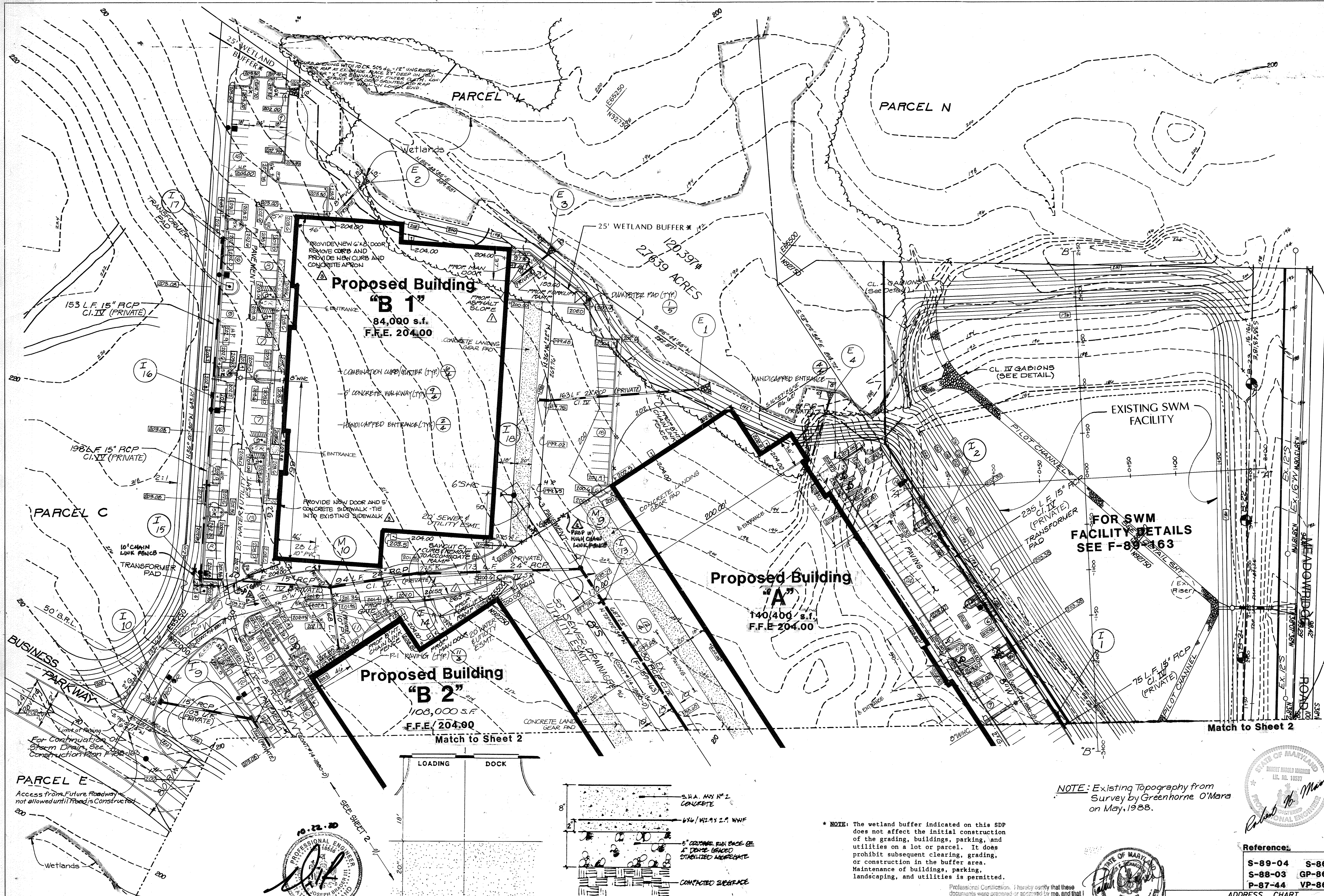
ZONE: M-1
1st ELECTION DISTRICT

DM DESIGN SCALE 1" = 50'

DRAWN RHM SHEET 2 OF 14
CHECKED RHM
DATE OCT, 1988

ZONING MAPS 37-43
HOWARD CO., MARYLAND

JOB No. B-1101-X
FILE No. SDP 87-09



APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT

James M. Boardman 11/15/89
COUNTY HEALTH OFFICER DATE

APPROVED: FOR PUBLIC WATER/PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS & PUBLIC ROADS
DATE: HOWARD CO. DEPT. OF PUBLIC WORKS
James M. Boardman 11/14/89
DIRECTOR DATE
James M. Boardman 11-14-89
CHIEF, BUREAU OF ENGINEERING DATE

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
James M. Boardman 12/8/89
PLANNING DIRECTOR DATE
James M. Boardman 12/7/89
CHIEF, DIV. OF COMMUNITY PLANNING & LAND DEVELOPMENT DATE

SEDIMENT CONTROL
BY THE DEVELOPER:
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SIGNATURE OF ENGINEER _____ DATE _____
REVIEWED FOR HOWARD S.C.D.
AND MEETS TECHNICAL REQUIREMENTS.

U.S. SOIL CONSERVATION SERVICE DATE _____
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
HOWARD S.C.D. DATE _____

APPROVED
DIVISION OF COMMUNITY PLANNING & LAND DEVELOPMENT
HOWARD COUNTY, MARYLAND
DATE: 8-9-89
J.B.

BEFORE BEGINNING CONSTRUCTION, CONTACT MISS UTILITY AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION

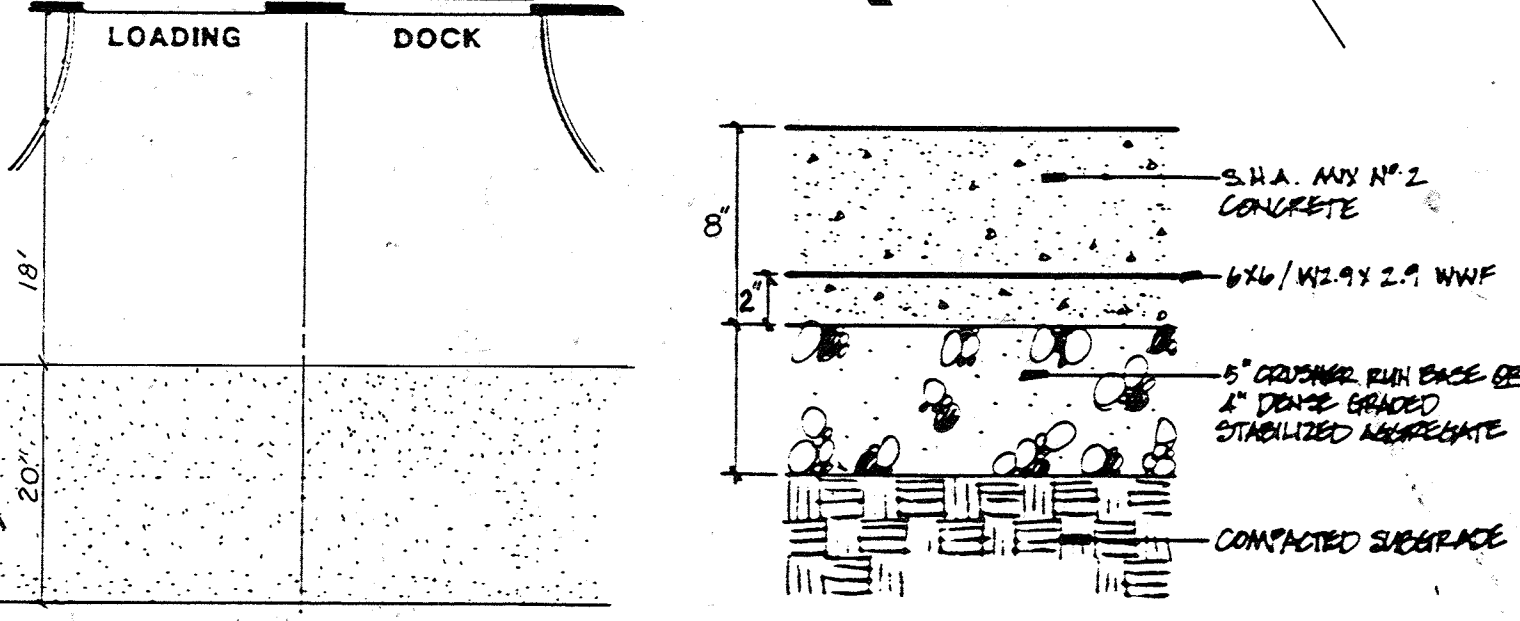
ADDRESS CHART	SUBDIVISION NAME MEADOWRIDGE BUSINESS PARK	SECT./AREA A+B	LOT/PARCEL A+B
PARCEL #	STREET ADDRESS	PLAT NO. OR L/F/BLOCK NO./ZONE	TAX/ZONE MAP ELEC. DIST./LEGIS. TR.
A	6745 BUSINESS PARKWAY	9045-9046	22 M1 37 1st U012
B - BLDG. B-1	6725 BUSINESS PARKWAY	WATER CODE	SEWER CODE
B - BLDG. B-2	6735 BUSINESS PARKWAY		

DESIGN	SCALE	1" = 50'
DRAWN	3 OF 14	
CHECKED	RHM	
SHEET	OCT. 1988	
DATE	JOB No.	B-1101-X
		FILE No.

VEHICULAR INGRESS AND EGRESS IS RESTRICTED

NOTE: Existing Topography from Survey by Greenhorne O'Mara on May, 1988.

* NOTE: The wetland buffer indicated on this SDP does not affect the initial construction of the grading, buildings, parking, and utilities on a lot or parcel. It does prohibit subsequent clearing, grading, or construction in the buffer area. Maintenance of buildings, parking, landscaping, and utilities is permitted.



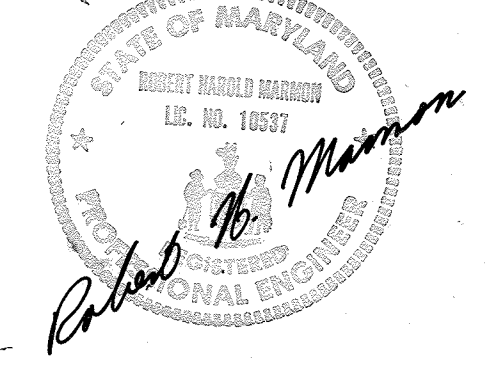
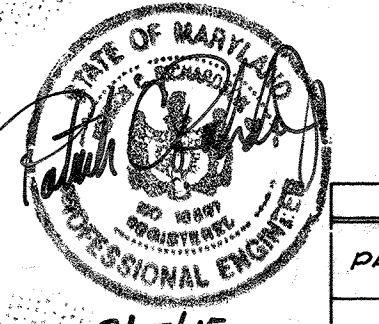
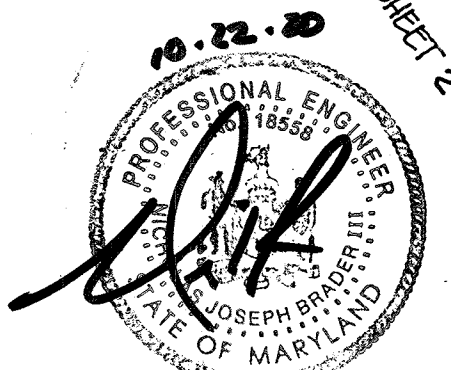
PLAN NO SCALE
SECTION SCALE: 1/2" = 1'-0"
12 Concrete Landing Gear Pad
SCALE AS INDICATED

Owner/Developer
MEADOWRIDGE INDUSTRIAL PARTNERSHIP
10005 Old Columbia Road
Columbia, MD 21046
(301) 381-4444

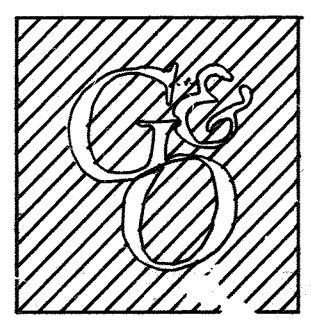
No.	REVISION	DATE	BY
1	ADD 1 EXTERIOR DOOR & TIE-IN CONCRETE SIDEWALK, ADD 1 EXTERIOR DOOR, REMOVE & REPLACE CURB W/NEW CURB AND CONC. APRON	9/28/20	NJB
2	10' CHAIN LINK FENCE & GATES	3/17/15	PCR
3	ADDED FORK LIFT RAMPS TO BLDGS. B1 & B2	10-16-20	KRM

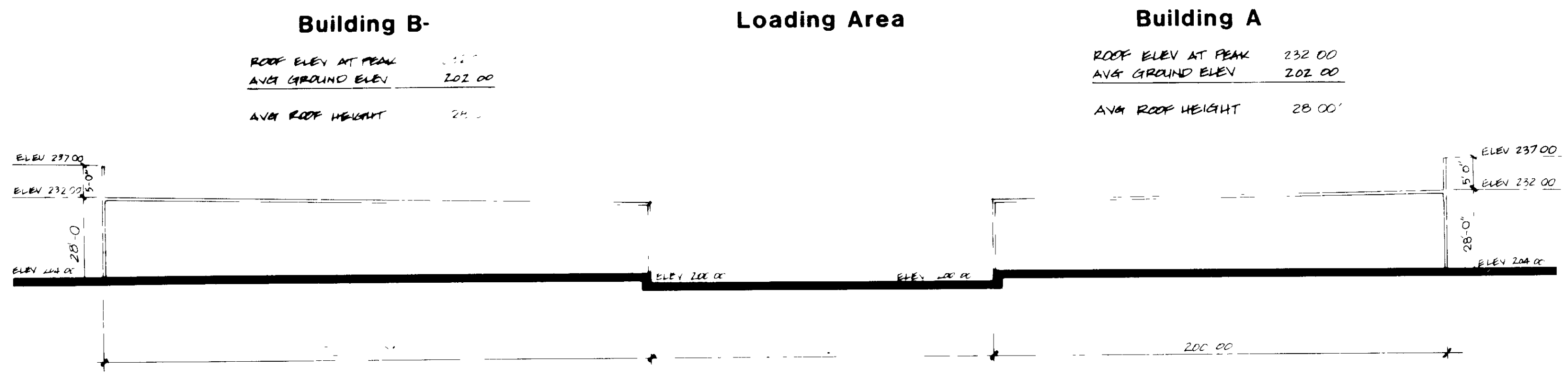
ENGINEERS ARCHITECTS PLANNERS SCIENTISTS SURVEYORS PHOTOGRAMMETRISTS
GREENHORNE & O'MARA, INC.
113 WEST ROAD, SUITE 206
BALTIMORE, MD. 21204
(301) 296-4100
ANNAPOLIS, MD ATLANTA, GA AURORA, CO CULPEPER, VA EXPORT, PA FAIRFAX, VA GREENBELT, MD MANASSAS, VA ROCKVILLE, MD RALEIGH, NC TAMPA, FL

SITE PLAN: PARCELS A & B
MEADOWRIDGE BUSINESS PARK
Liber 1419, FOLIO 500 Tax Map 37
ZONE: M-1
1st ELECTION DISTRICT
P.362
P.178
ZONING MAPS 37-43
HOWARD CO., MARYLAND

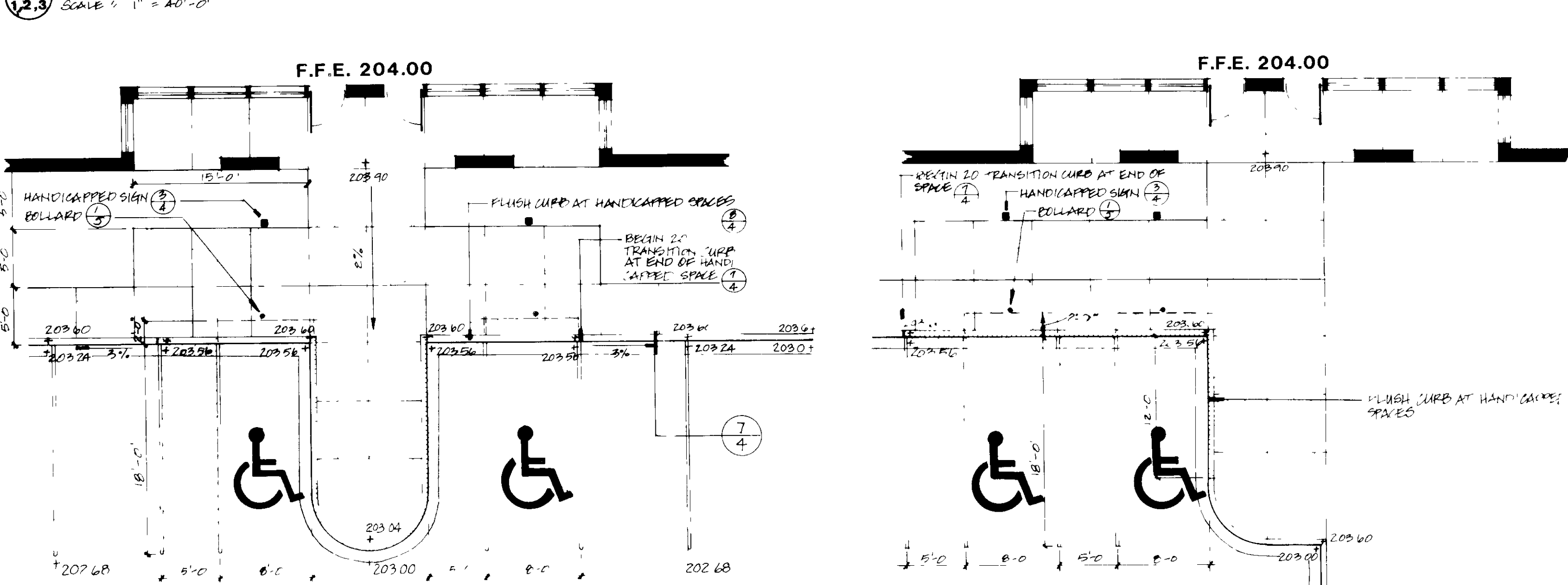


Reference:
S-89-04 S-86-11
S-88-03 GP-86-46
P-87-44 VP-86-83

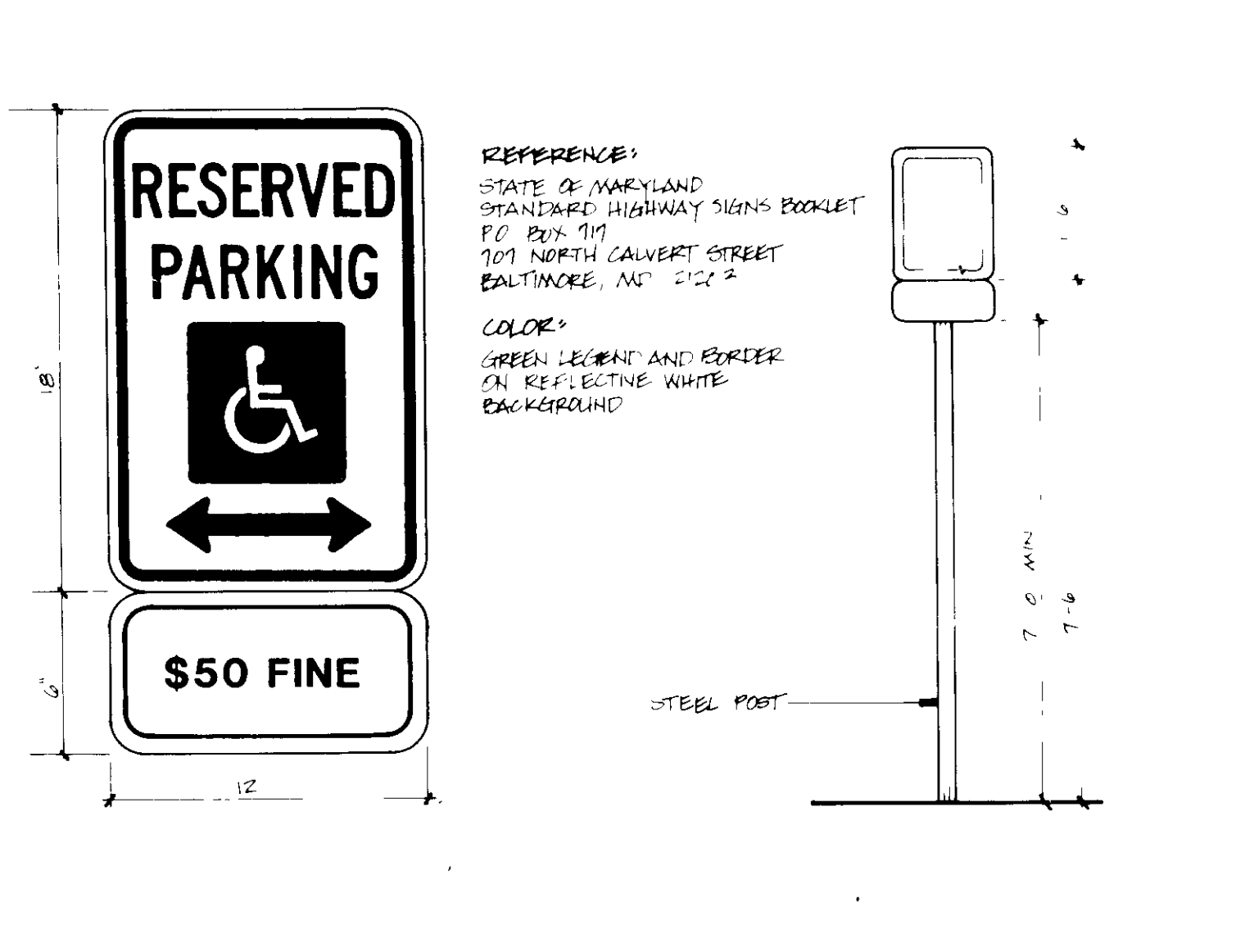




1 Building Heights: Typical X-Section Looking West

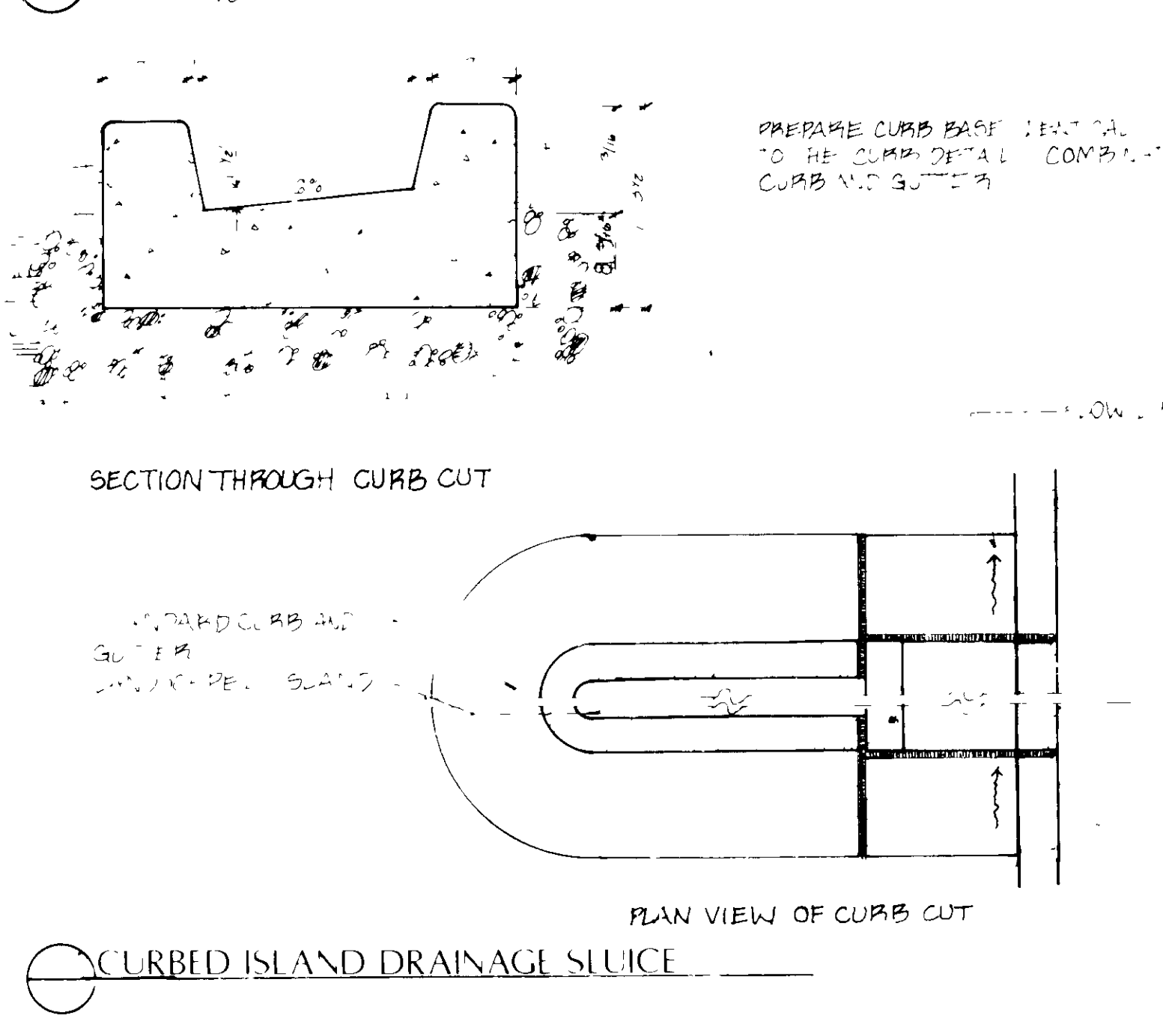


2 Handicapped Parking at Building Entrance (typ.)

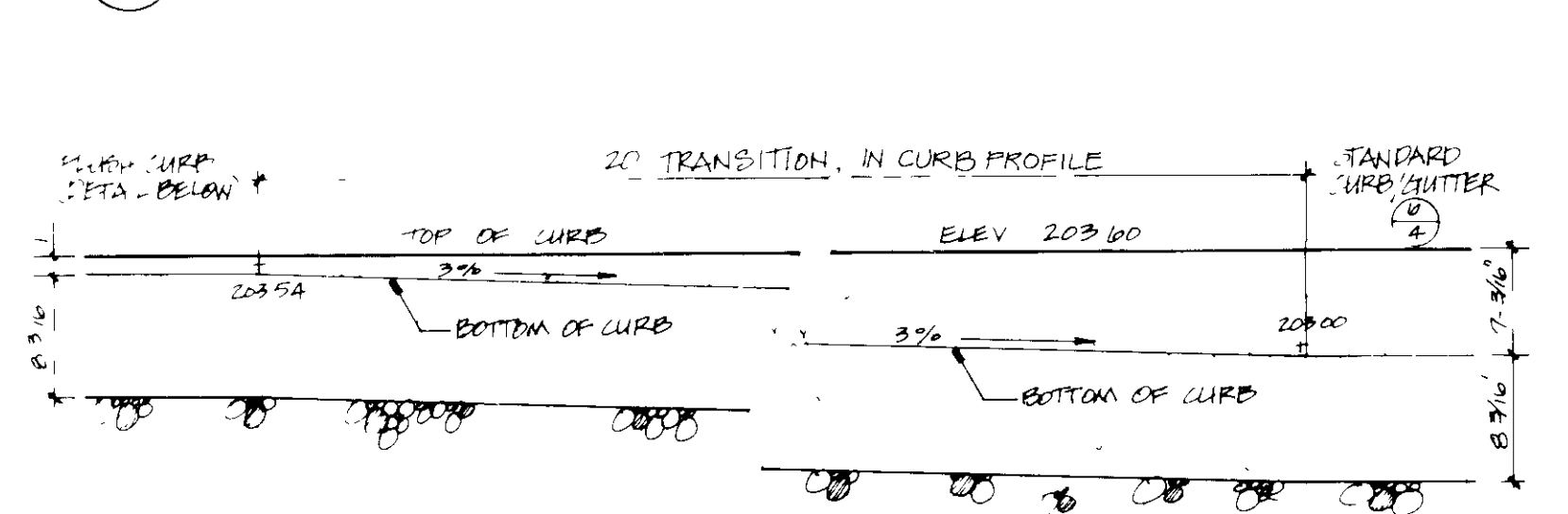


3 Handicapped Parking Sign

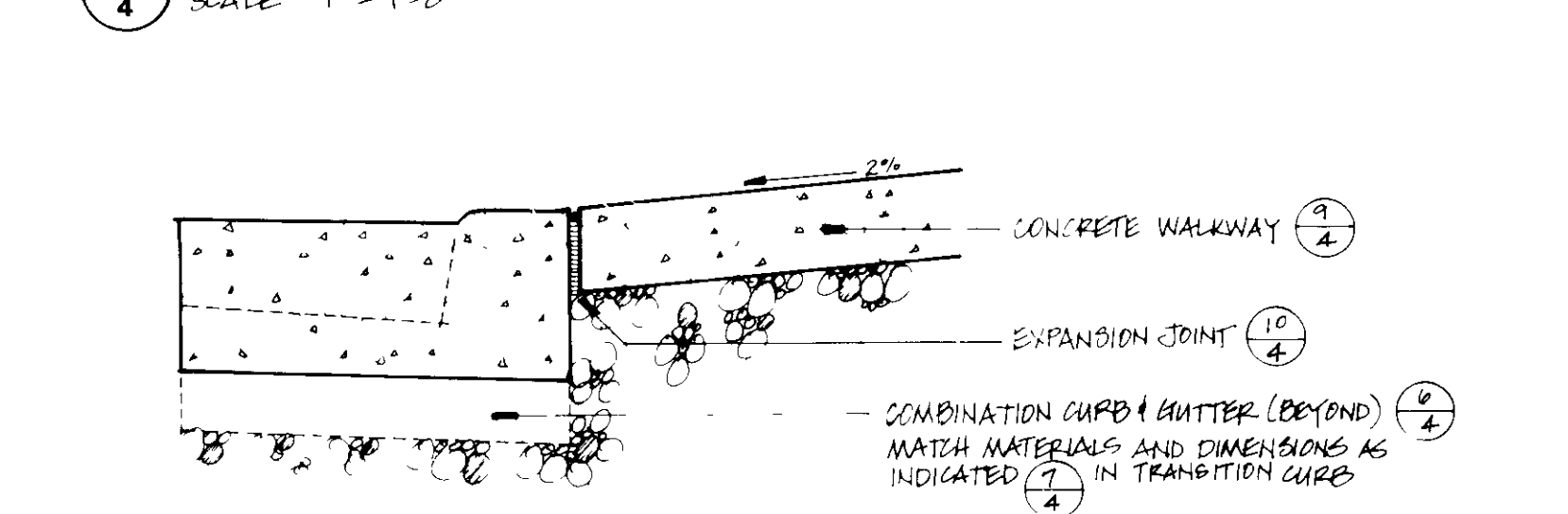
4 Building A: West Entrance



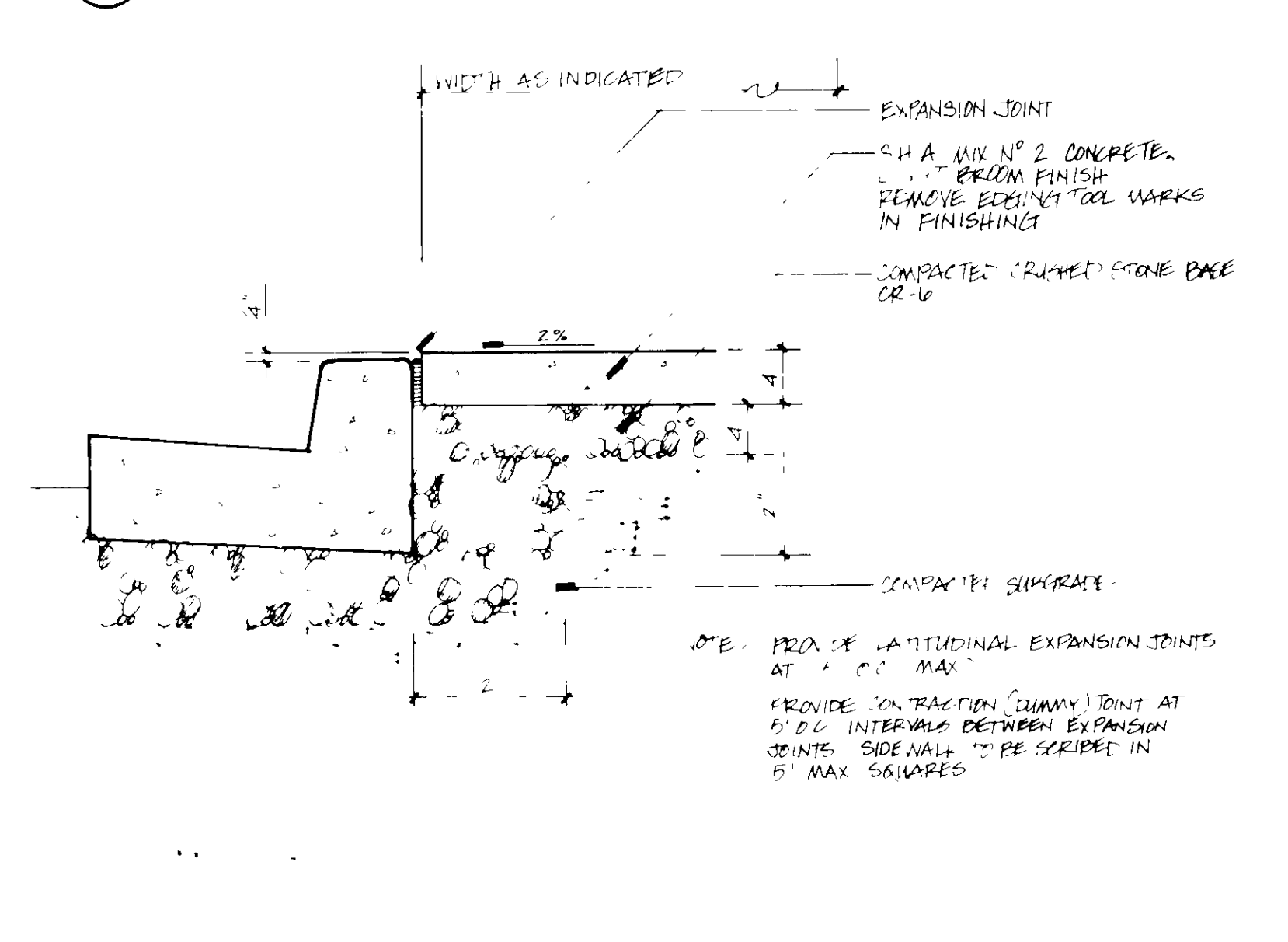
6 Combination Curb and Gutter



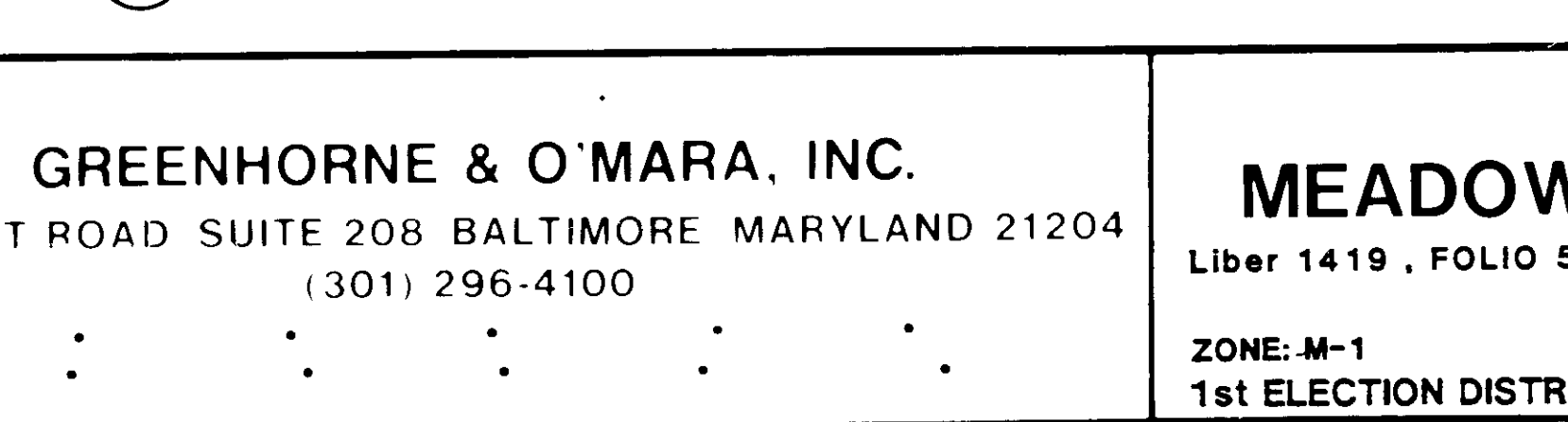
7 Transition Curb Elevation



8 Flush Curb (Handicapped Access)



9 Concrete Walkway



HOWARD COUNTY HEALTH DEPARTMENT
 APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
 JAMES M. BOND...
 11/15/89

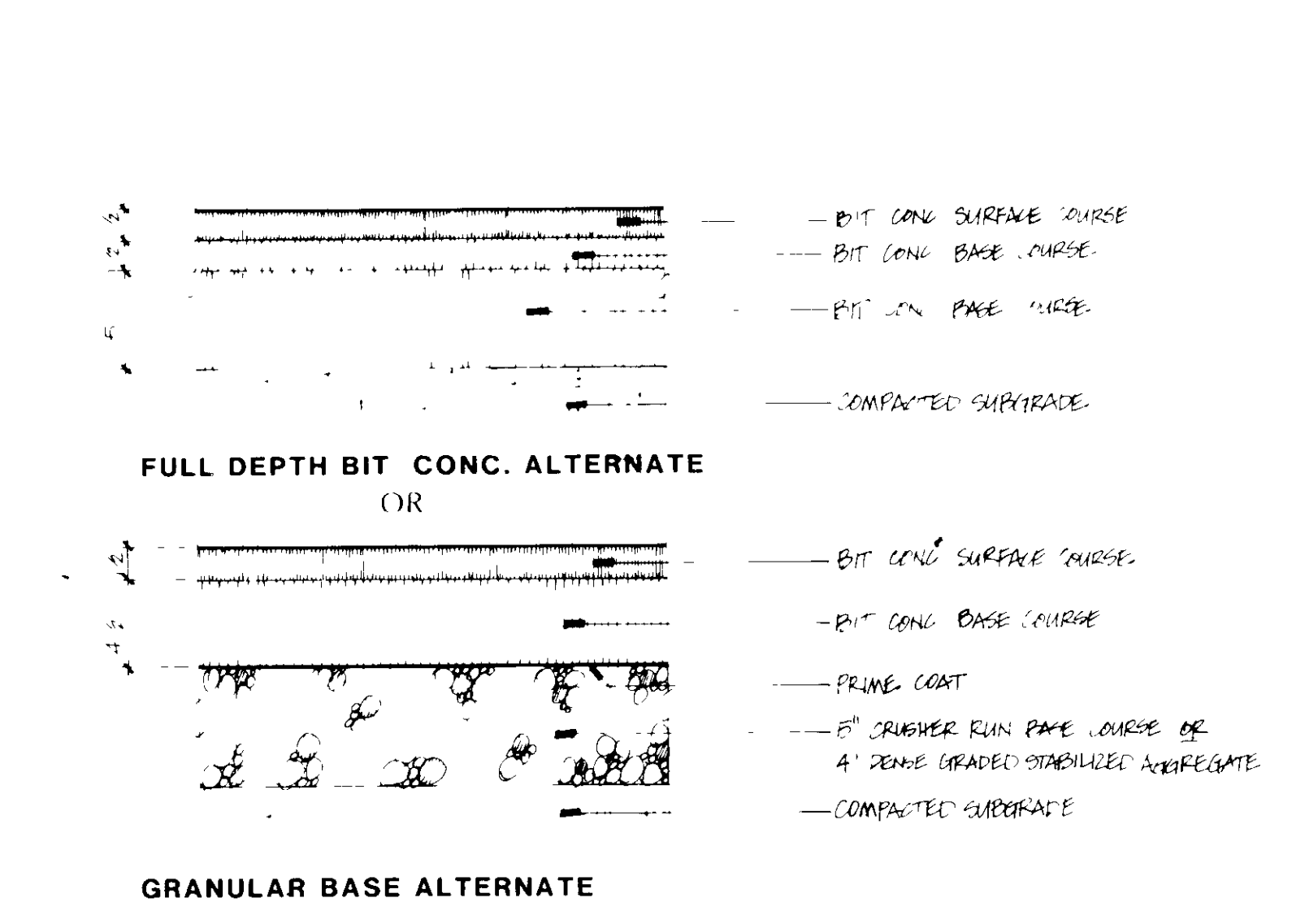
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE & PUBLIC ROADS
 JAMES M. BOND...
 11/14/89

HOWARD COUNTY DEPT. OF PLANNING AND ZONING
 APPROVED
 JAMES M. BOND...
 12/2/89

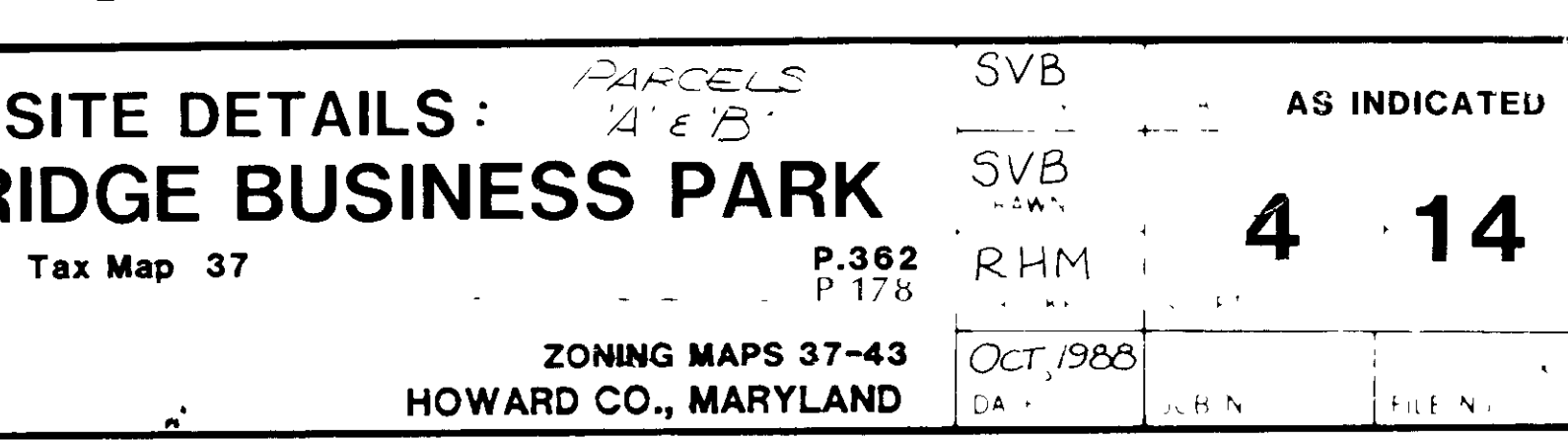
HOWARD COUNTY DEPT. OF PLANNING AND ZONING
 APPROVED
 JAMES M. BOND...
 12/2/89

APPROVED
 DIVISION OF
 COMMUNITY PLANNING
 & LAND DEVELOPMENT
 HOWARD COUNTY,
 MARYLAND
 DATE 8-9-89
 RB

11 Paving Sections: P-1 PARKING AREAS



12 Paving Sections: P-3 LOADING, ACCESS DRIVES



Owner/Developer
MEADOWRIDGE INDUSTRIAL PARTNERSHIP
 10005 Old Columbia Road
 Columbia, MD 21046
 (301) 381-4444

NO.	REVISION

GREENHORNE & O'MARA, INC.
 113 WEST ROAD SUITE 208 BALTIMORE MARYLAND 21204
 (301) 296-4100

SITE DETAILS: PARCELS 2' & 1/8"

MEADOWRIDGE BUSINESS PARK

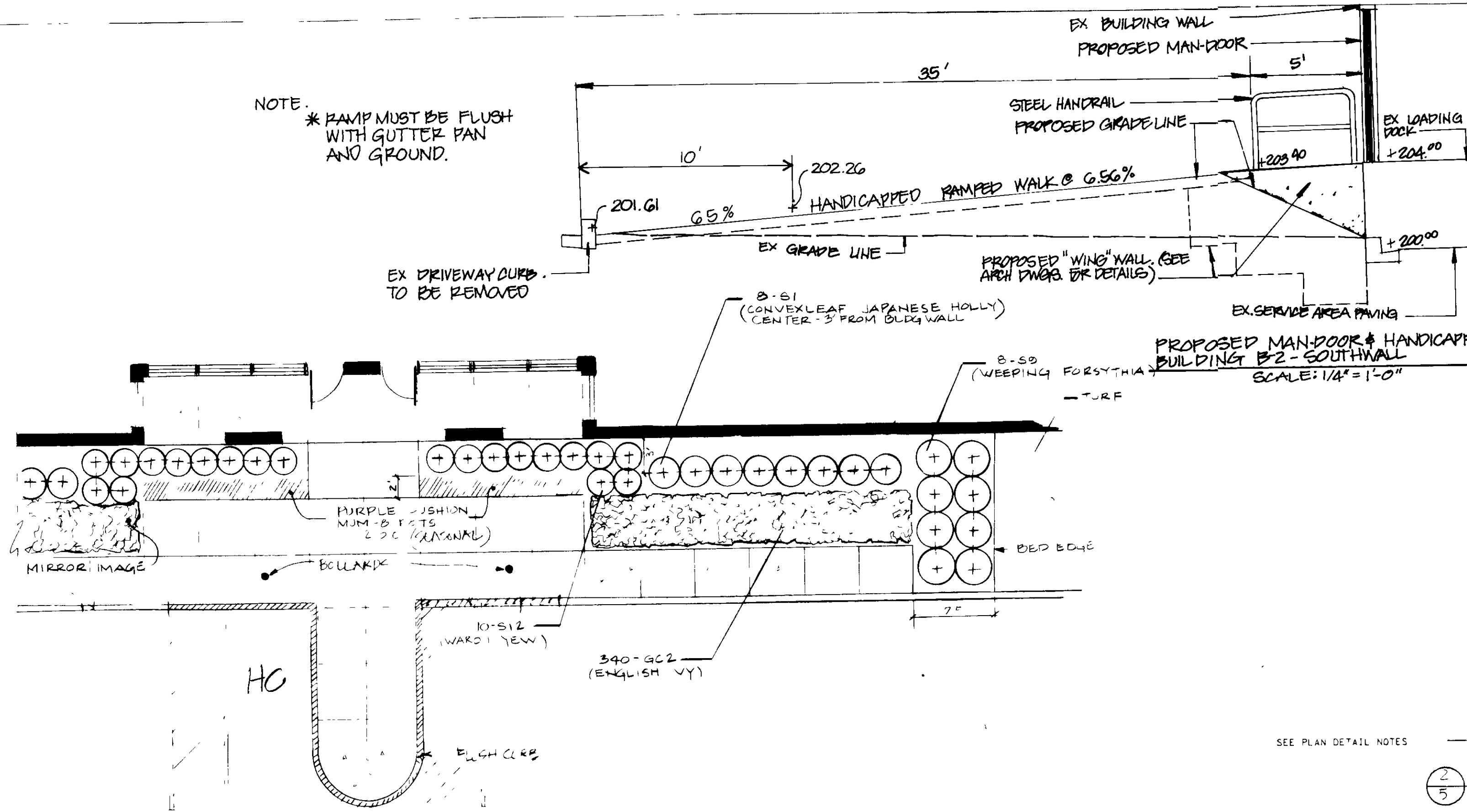
Liber 1419, FOLIO 500 Tax Map 37

ZONE: M-1
 1st ELECTION DISTRICT

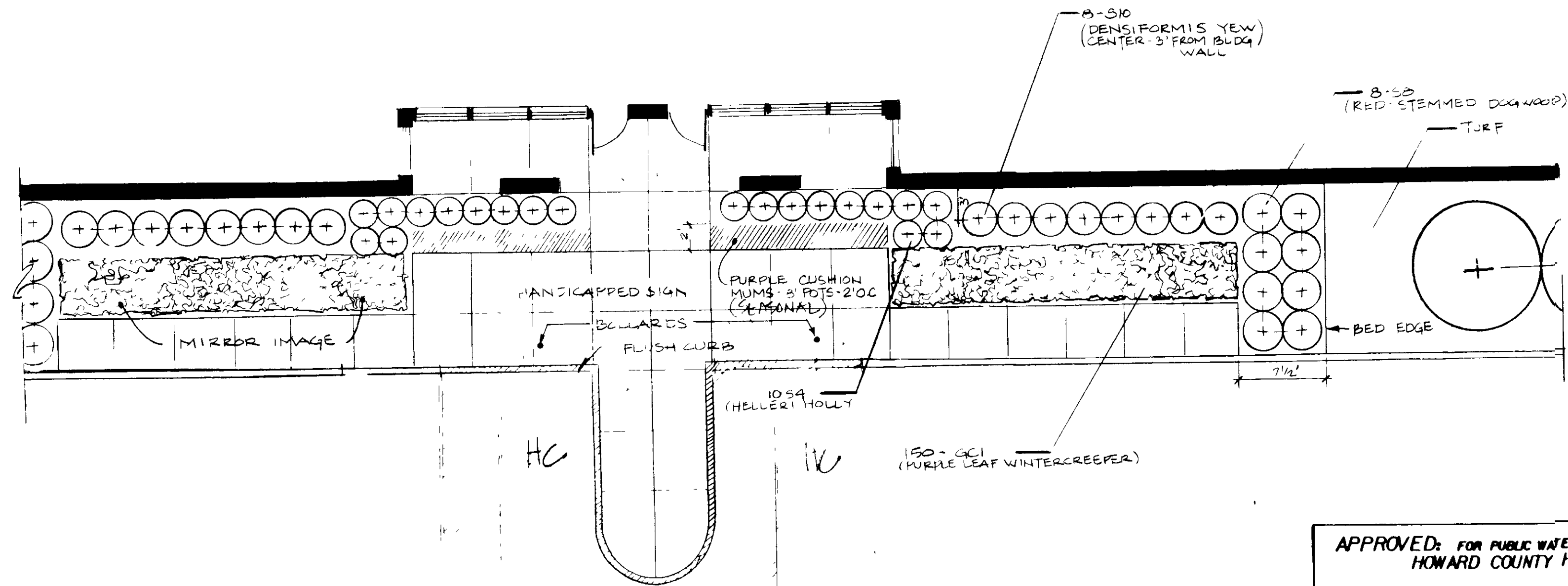
ZONING MAPS 37-43
 HOWARD CO., MARYLAND

SVB AS INDICATED
 SVB
 RHM
 OCT 1988
 SDP-87-69

NOTE: * RAMP MUST BE FLUSH WITH GUTTER PAN AND GROUND.



PLANTING DETAIL AT BUILDING ENTRANCE - TYPE A
SCALE: 1/8" = 1'-0"



PLANTING DETAIL AT BUILDING ENTRANCE - TYPE B
SCALE: 1/8" = 1'-0"

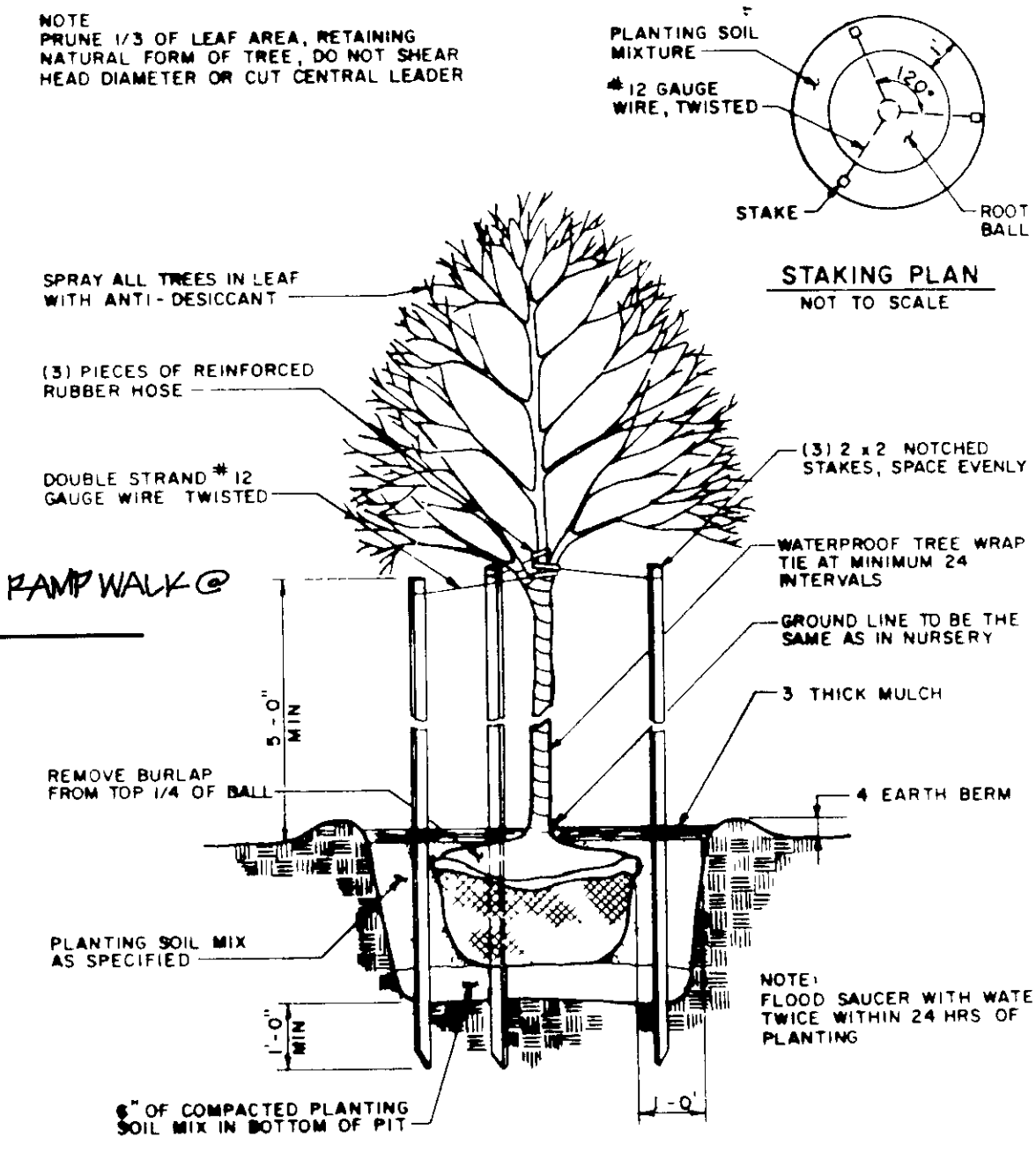
NOTE: * PLANT TYPES AT BUILDING ENTRANCES MAY VARY FROM THE ABOVE DETAIL BUT THE PLANTING PATTERN WILL REMAIN THE SAME. REFER TO SHEETS 13 OF 14 & 15 OF 14 FOR PLANT TYPES.

APPROVED
DIVISION OF COMMUNITY PLANNING & LAND DEVELOPMENT
HOWARD COUNTY MARYLAND
DATE 8-7-89

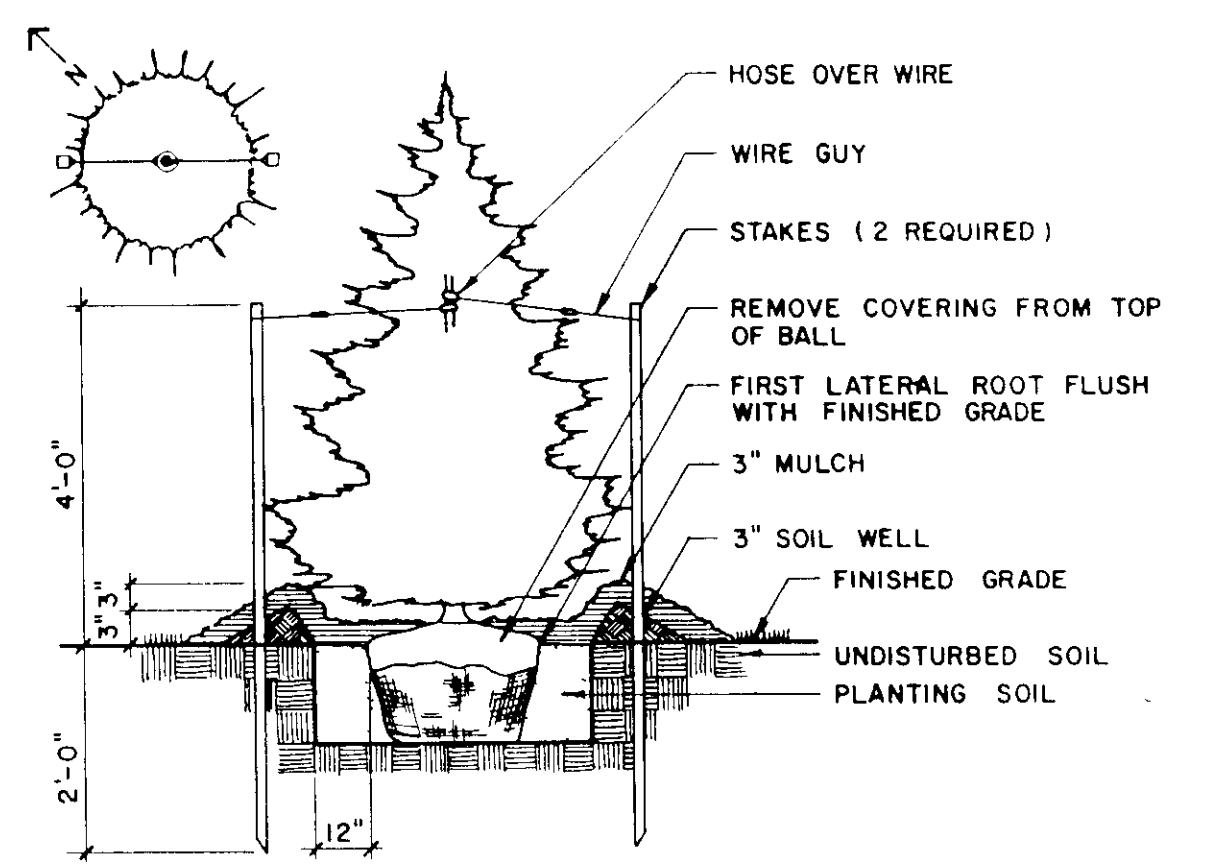
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HOWARD COUNTY HEALTH DEPARTMENT
DATE 11/15/89

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS & PUBLIC ROADS
HOWARD CO. DEPT. OF PUBLIC WORKS
DATE 11/14/89

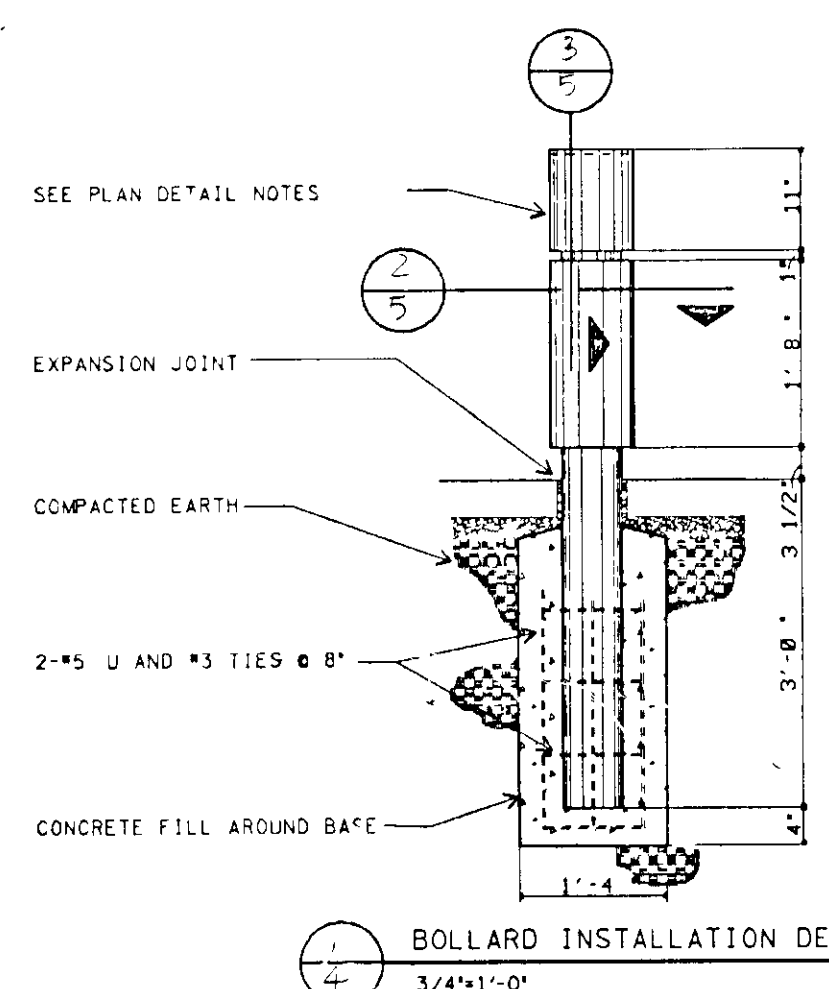
APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
DATE 12/8/89



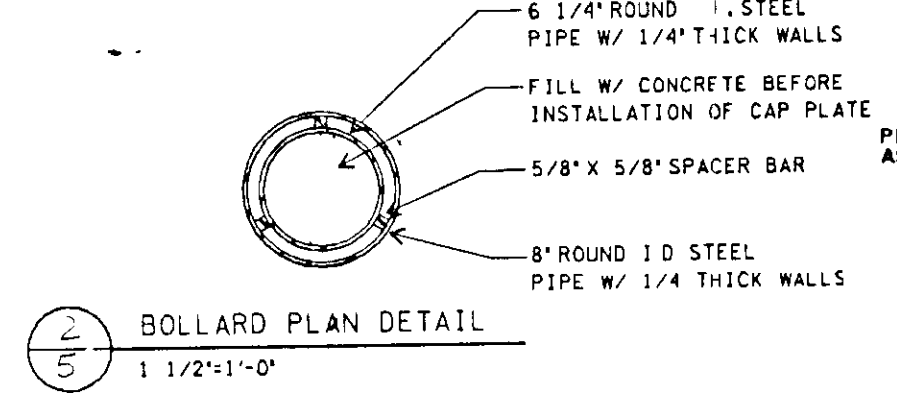
TREE PLANTING DETAIL
NOT TO SCALE



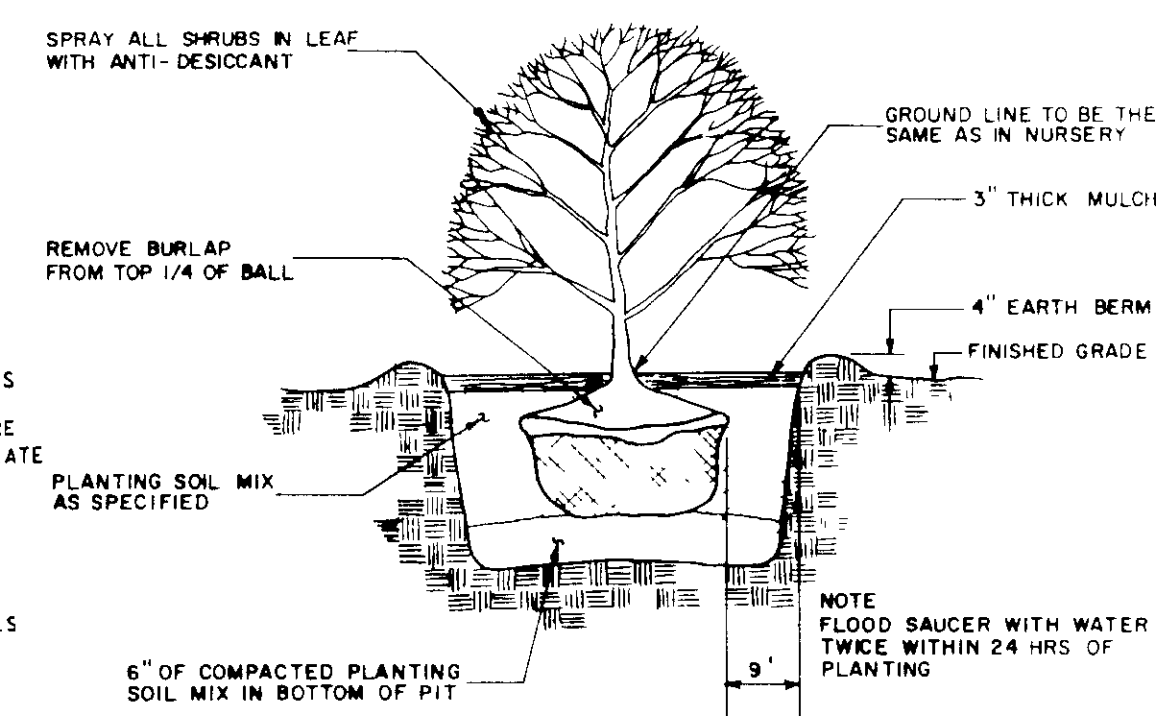
EVERGREEN TREE DETAIL
NTS



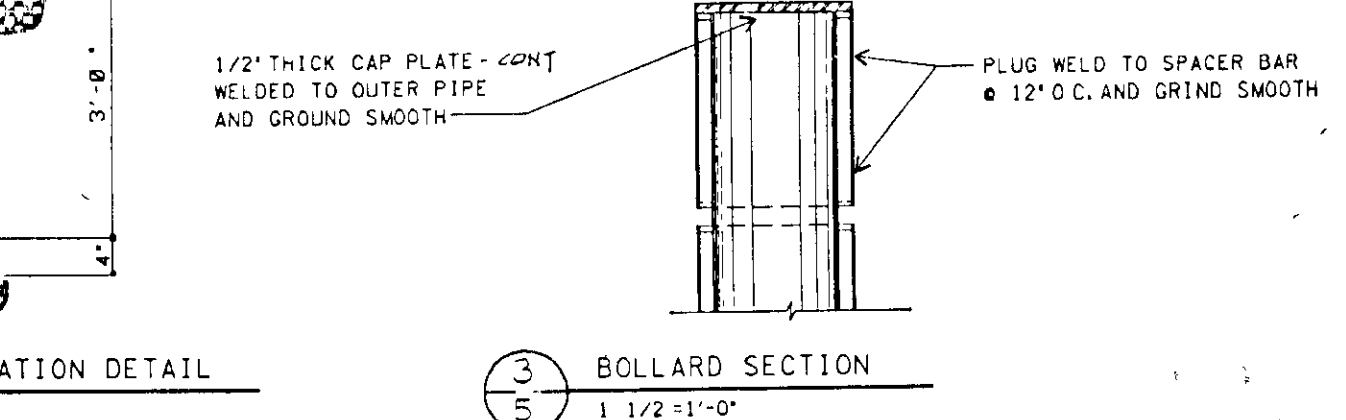
BOLLARD INSTALLATION DETAIL
3/4" = 1'-0"



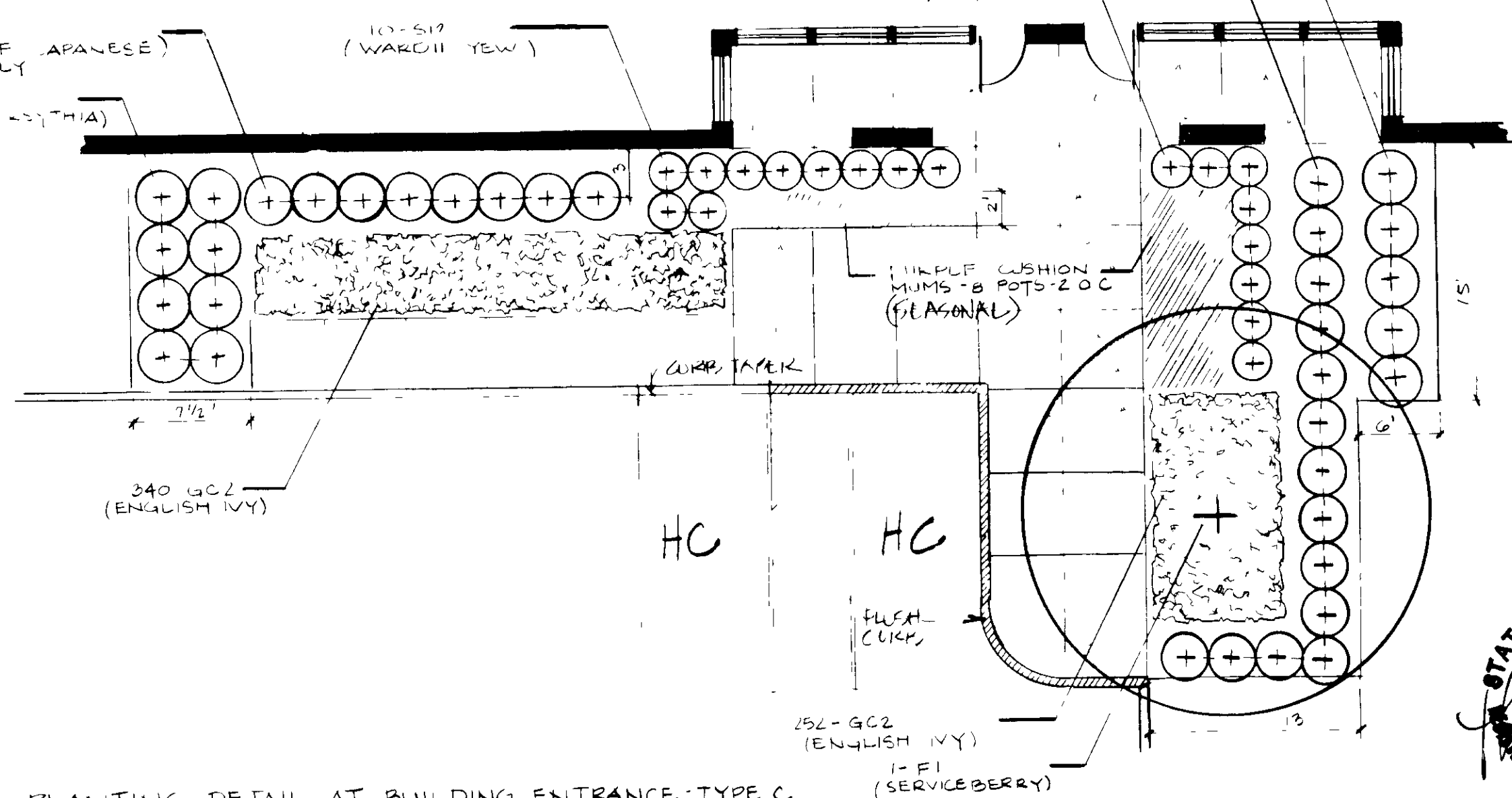
BOLLARD PLAN DETAIL
1 1/2" = 1'-0"



SHRUB PLANTING DETAIL
NOT TO SCALE



BOLLARD SECTION
1 1/2" = 1'-0"



PLANTING DETAIL AT BUILDING ENTRANCE - TYPE C
SCALE: 1/8" = 1'-0"



DAFT McCUNE WALKER INC
LAND PLANNING CONSULTANTS
LANDSCAPE ARCHITECTS
ENGINEERS & SURVEYORS
200 E PENNSYLVANIA AVE
TOWSON, MD 21284
TELEPHONE (301) 286-3333

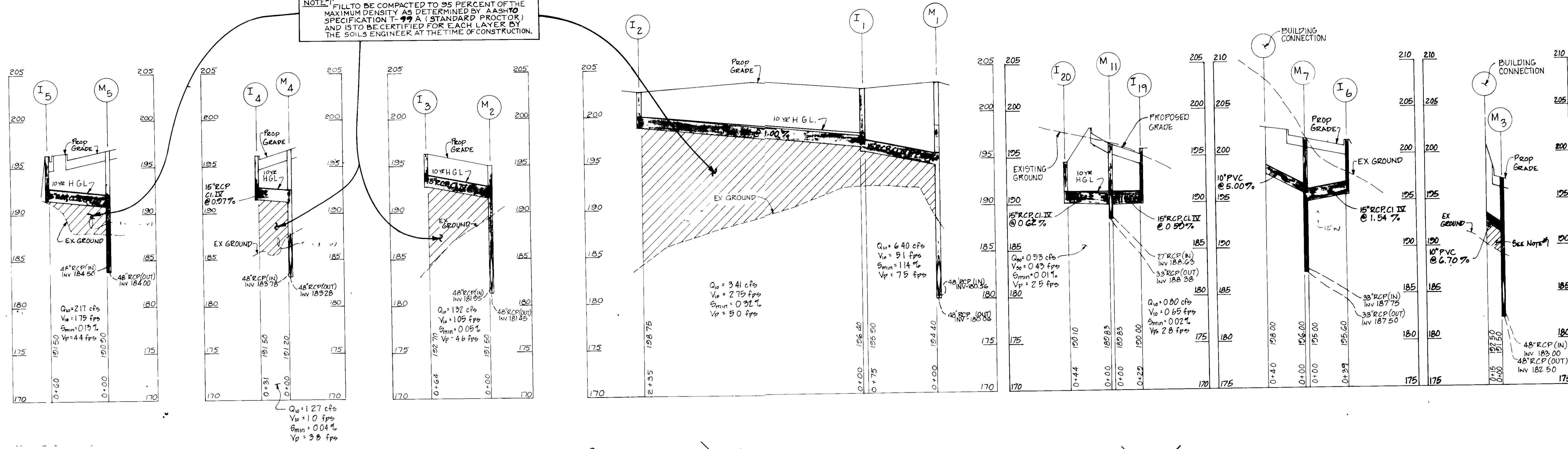
Owner/Developer
MEADOWRIDGE INDUSTRIAL PARTNERSHIP
10005 Old Columbia Road
Columbia, Md. 21046
(301) 381-4444

NO.	REVISION	DATE
4689	LIGHTING REVISION ISSUED FOR BID	4-28-89
	BUILDING PLANTING AND RAMP LIST	8-8-89
	TITLE BLOCK SHEET NO. SIGNATURE BLOCK	8-8-89
	REVISED MAN-DOOR & RAMPED WALK DETAIL	10-16-90 KRM
	REVISED MAN-DOOR & RAMP WALK DETAIL	

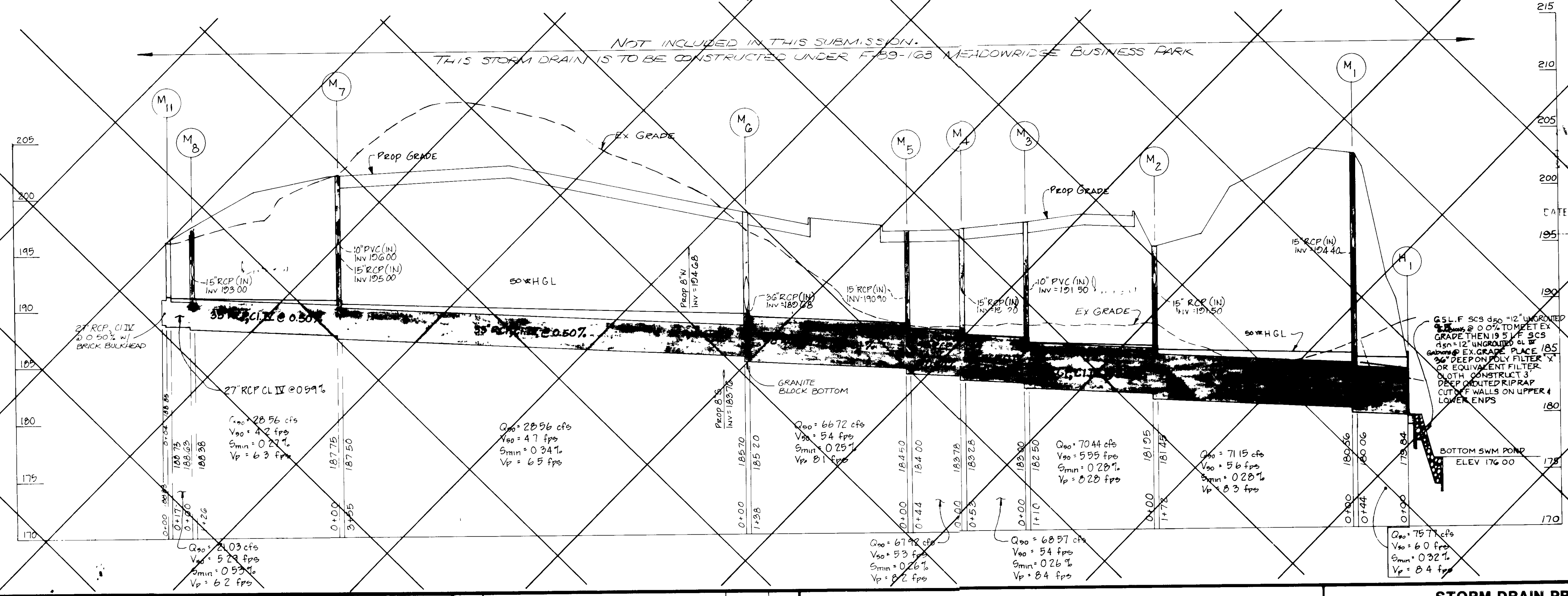
ENGINEERS ARCHITECTS PLANNERS SURVEILLORS
GREENHORNE & O'NEILL
118 WEST ROAD, SUITE 200
BALTIMORE, MD 21204
(301) 208-4500

PLANTING DETAILS
MEADOWRIDGE BUSINESS PARK
PARCELS A & B
ZONING MAPS 378 & 43
HOWARD COUNTY, MARYLAND
OCT/88 88034
5 OF 14
SDP 87-09

NOTE: FILL TO BE COMPACTED TO 95 PERCENT OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO SPECIFICATION T-99 A (STANDARD PROCTOR) AND IS TO BE CERTIFIED FOR EACH LAYER BY THE SOILS ENGINEER AT THE TIME OF CONSTRUCTION.



NOT INCLUDED IN THIS SUBMISSION. THIS STORM DRAIN IS TO BE CONSTRUCTED UNDER F19-163 MEADOWRIDGE BUSINESS PARK



Note Building Connections are 5' from proposed Building

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS & PUBLIC ROADS HOWARD CO. DEPT. OF PUBLIC WORKS
 James B. Howard, Director, 2/14/89

APPROVED: VISITING PLANNING AND DEVELOPMENT HOWARD COUNTY MARYLAND
 Joyce M. Borden, Planning Officer, 1/15/89

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
 William S. Smith, Planning Director, 12/8/88

SEDIMENT CONTROL

By the developer: I certify that all developments and construction will be done according to this plan, and that every responsible person involved in the construction project will have a Certificate of Approval or Department of Natural Resources Approved Training Program for the control of Sediment and Erosion before beginning the project.

Signature of Developer: _____ 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.

Signature of Engineer: _____ Date: _____

Reviewed for: _____ S.C.D. on meet technical requirements.

U.S. Soil Conservation Service: _____ Date: _____

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
 Howard S.C.D. _____ Date: _____

OWNER/DEVELOPER:
 MEADOWRIDGE INDUSTRIAL PARTNERSHIP
 10005 OLD COLUMBIA ROAD
 COLUMBIA, MARYLAND 21046
 (301) 381-4444

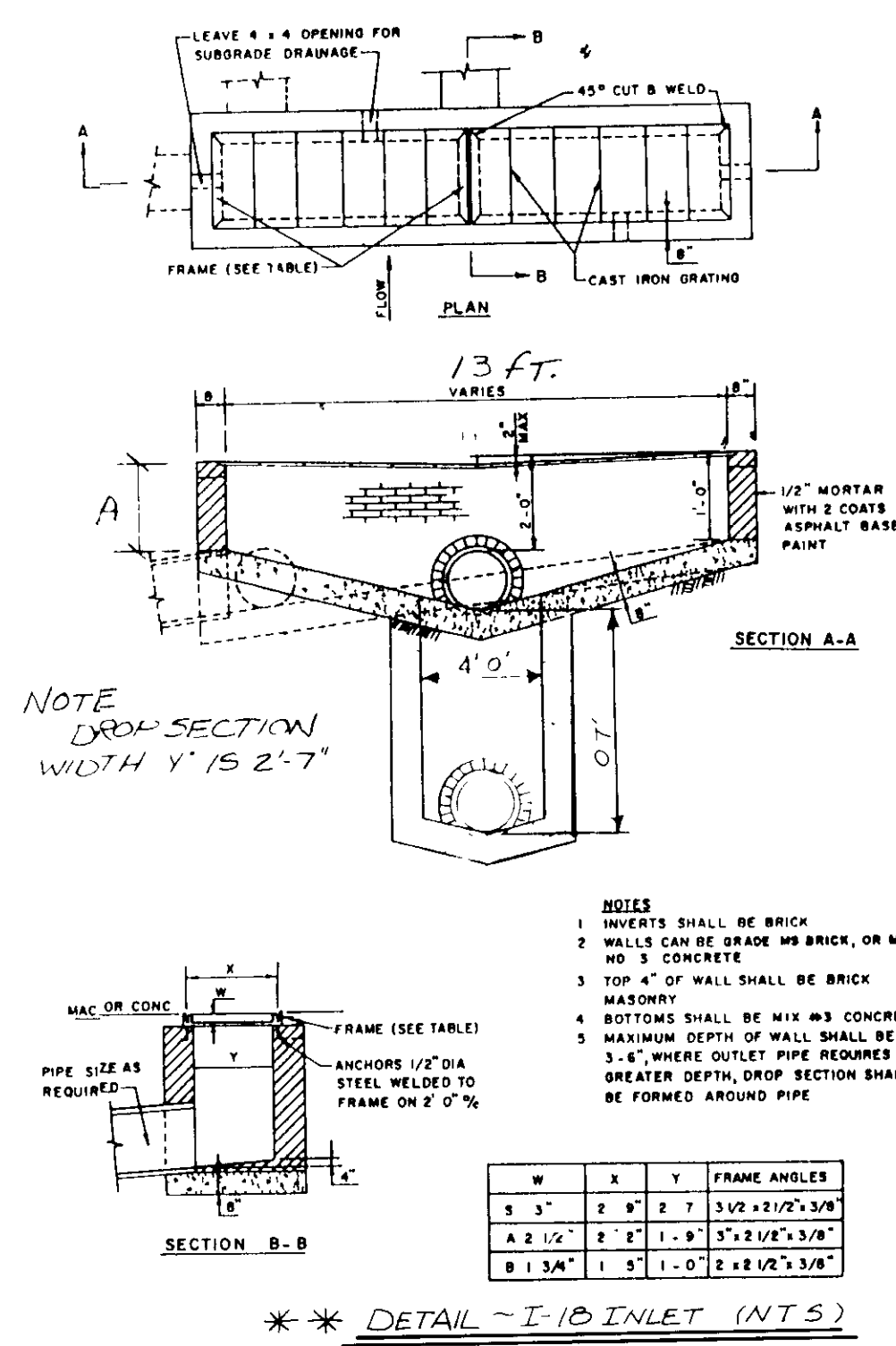
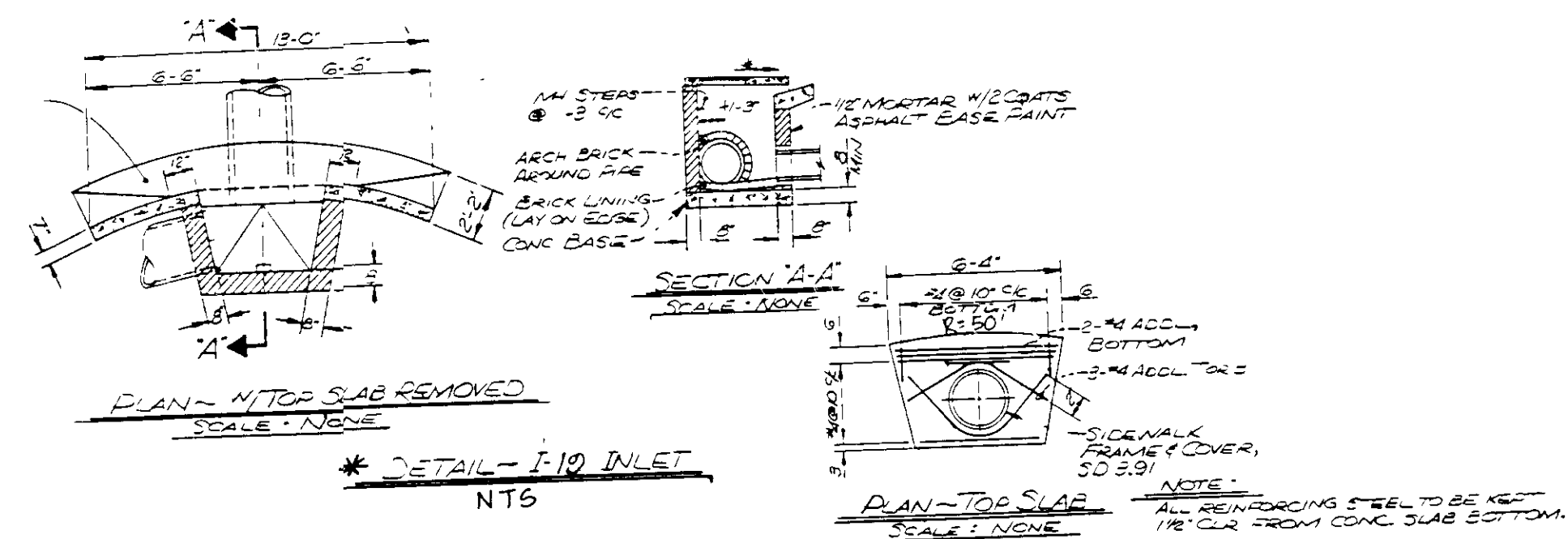
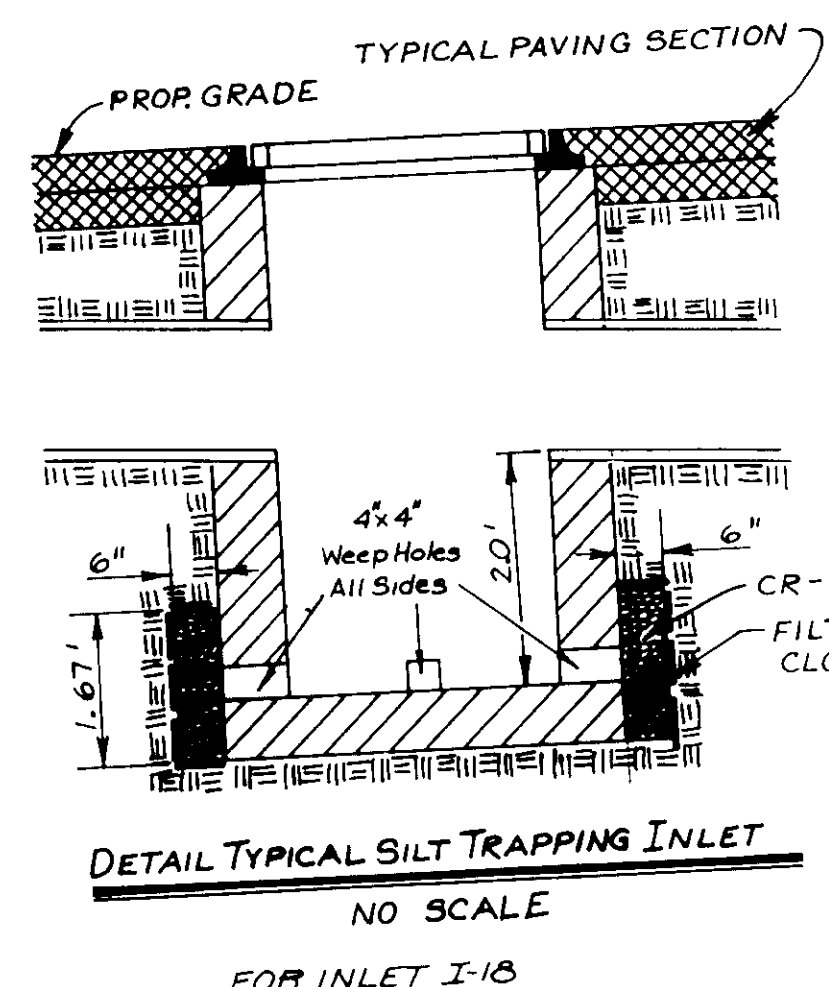
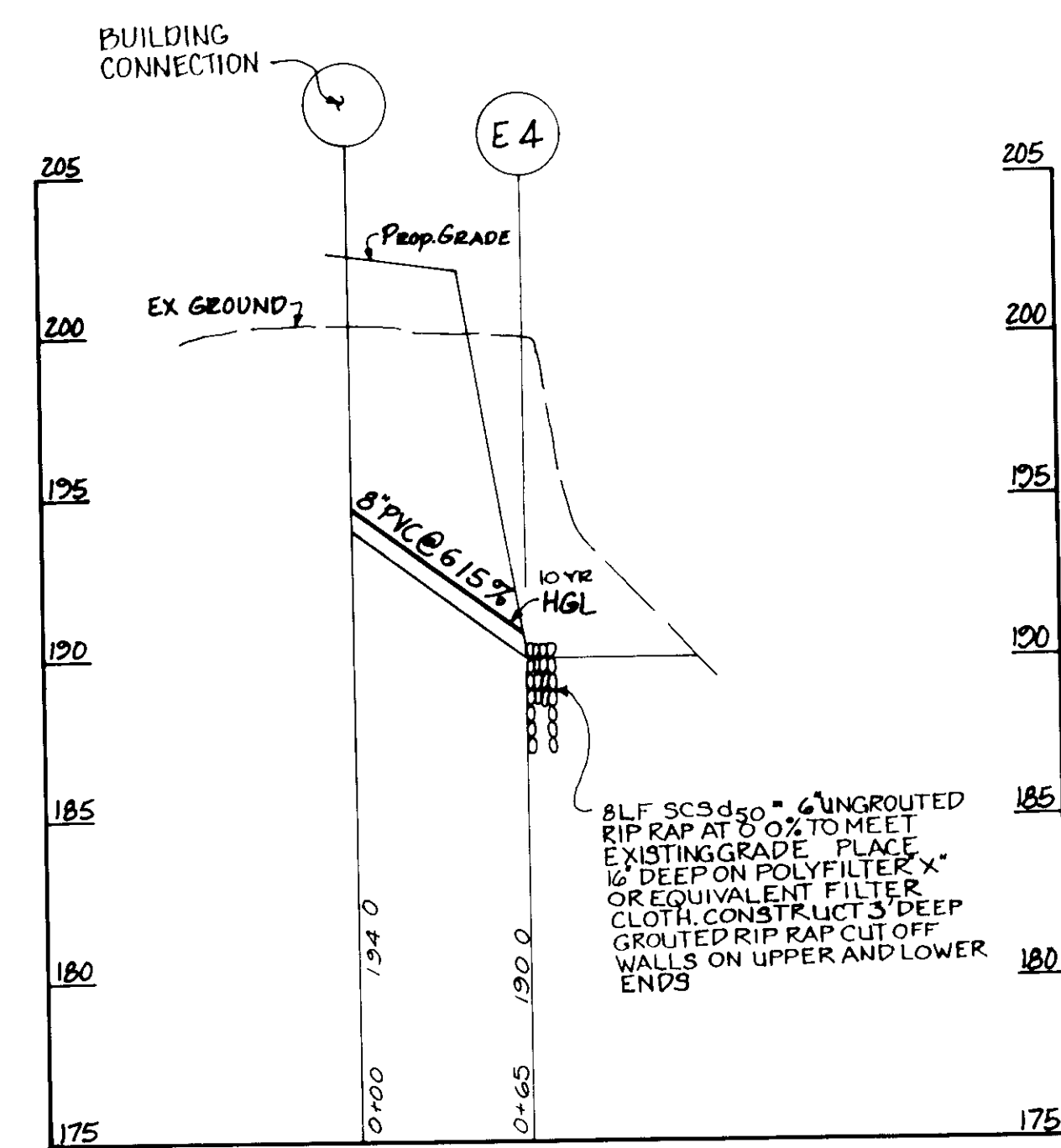
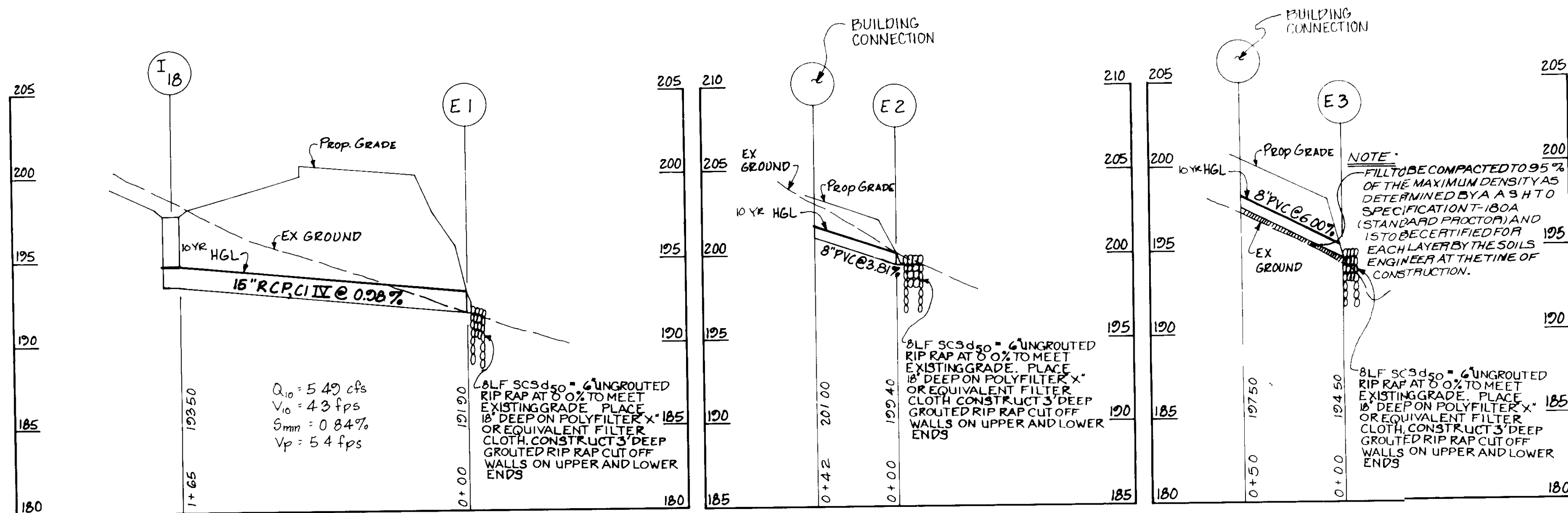
No	REVISION	DATE	BY

GREENHORNE & O'MARA, INC.
 113 WEST ROAD, SUITE 208, BALTIMORE, MARYLAND 21204
 (301) 296-4100
 ANNAPOLIS MD • ATLANTA GA • AURORA CO • CULPEPER VA • EXPORT PA • FAIRFAX VA
 GREENBELT MD • MANASSAS VA • MONROE MI • RALEIGH NC • ROCKVILLE MD • TAMPA FL

STORM DRAIN PROFILES
 PARCELS 'A' & 'B'
MEADOWRIDGE BUSINESS PARK
 LIBER 149, FOLIO 500
 ZONE: M-1
 1st ELECTION DISTRICT

G.E.G. DESIGN
 M.T.V. DRAWN
 R.H.M. CHECKED
 SHEET 6 OF 14
 DATE: FEB. 1989
 JOB No: 6-1101-X
 FILE No: _____

HOR 1"=50'
 SCALE VERT 1"=5'
 TAX MAPS 37.P.362
 ZONING MAPS 37-43
 HOWARD COUNTY, MARYLAND



PIPE SCHEDULE		
SIZE	TYPE	LENGTH
8"	PVC	157 LF
10"	PVC	151 LF
15"	RCP, C.I.V.	1757 LF
24"	"	257 LF
27"	"	105 LF

		STRUCTURE		SCHEDULE		REMARKS
		INVERT ELEVATION	TOP ELEVATION			
Nº	TYPE	IN	OUT	Upper	Lower	
I-1	A-5 INLET	196.40	195.90	202.60		HCDPW STD 5D 4.01
I-2	A-5 INLET		198.75	202.60		" " " "
I-3	A-5 INLET		192.70	196.35		" " " "
I-4	A-5 INLET		191.50	196.20		" " " "
I-5	A-5 INLET		191.50	196.20		" " " "
I-6	A-5 INLET		195.60	201.50		" " " "
I-7	A-5 INLET	194.48	194.38	201.20		" " " "
I-8	A-5 INLET	196.23	196.13	202.60		" " " "
I-9	A-5 INLET	197.46	197.36	202.60		" " " "
I-10	A-5 INLET		198.25	202.15		" " " "
I-11	A-5 INLET	190.59	190.49	197.75		HCDPW STD 5D 4.15
I-12	A-5 INLET	191.87	191.77	197.75		" " " "
I-13	A-5 INLET	193.25	192.75	197.75		" " " "
I-14	A-5 INLET	195.50	195.40	201.35		HCDPW STD 5D 4.01
I-15	A-5 INLET	196.87	196.77	202.15		" " " "
I-16	A-5 INLET	197.97	197.87	202.60		" " " "
I-17	A-5 INLET		198.75	202.60		" " " "
I-18	A-5 INLET		193.50	197.75		HCDPW STD 5D 4.15
I-19	SPECIAL DESIGN		190.00	195.94		SEE DETAIL THIS SHEET
I-20	W INLET		190.10	194.40		HCDPW STD 5D 4.13
M-1	BRICK MANHOLE W/ GRANITE BLOCK BOTTOM	188.45	180.06	202.80		HCDPW STD 6 5.05
M-2	"	181.56	181.45	195.00		" " " "
M-3	"	181.55	182.50	197.30		" " " "
M-4	"	183.78	183.28	196.75		" " " "
M-5	"	184.50	184.00	197.75		" " " "
M-6	"	185.70	185.20	198.50		" " " "
M-7	"	187.00	187.50	201.70		HCDPW STD 6 5.02
M-8	"	188.63	188.38	197.20		" " " "
M-9	BRICK MANHOLE	194.00	193.90	198.52		HCDPW STD 6 5.01
M-10	"	197.50	195.97	201.75		HCDPW STD 6 5.01
M-11	"	199.22	188.79	196.40		HCDPW STD 6 5.02
H-1	A HEADWALL	179.84		184.84		HCDPW STD 5D 5.11
E-1	CONCRETE END SECTION	191.90		193.60		HCDPW STD 5D 5.52

Note: Building Connections are 5' from proposed Building

8-9-89 JB

APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS & PUBLIC ROADS, HOWARD CO. DEPT. OF PUBLIC WORKS. *James P. ...* 11/4/89

APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT. *James M. ...* 11/15/89

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING. *James ...* 12/8/89

by the Developer: I/we certify that all development and construction will be done according to this plan, and that every responsible person involved in the construction project will have a certificate of attendance or a department of natural resources approved training program for the control of sediment and erosion before beginning the project.

Signature of Developer: _____ 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.

Signature of Engineer: _____ Date: _____

Reviewed For: _____ S.C.D. _____

U.S. Soil Conservation Service: _____ Date: _____

Reference: S-89-04 S-86-11 3-88-03 GP-86-48 P-87-44 VP-86-83

OWNER/DEVELOPER:
MEADOWRIDGE INDUSTRIAL PARTNERSHIP
10005 OLD COLUMBIA ROAD
COLUMBIA, MARYLAND 21046
(301) 381-4444

No	REVISION	DATE	BY

ENGINEERS • ARCHITECTS • PLANNERS • SCIENTISTS • SURVEYORS • PHOTOGRAMMETRISTS

GREENHORNE & O'MARA, INC.
113 WEST ROAD, SUITE 208, BALTIMORE, MARYLAND 21204
(301) 296-4100

ANNAPOLIS MD • ATLANTA GA • AURORA CO • CULPEPER VA • DULUTH GA • EXPORT PA • FAIRFAX VA • GREENBELT MD
LEESBURG VA • MANASSAS VA • ORLANDO FL • RALEIGH NC • ROCKVILLE MD • TAMPA FL • WEST PALM BEACH FL

STORM DRAIN PROFILES
PARCELS "A" & "B"

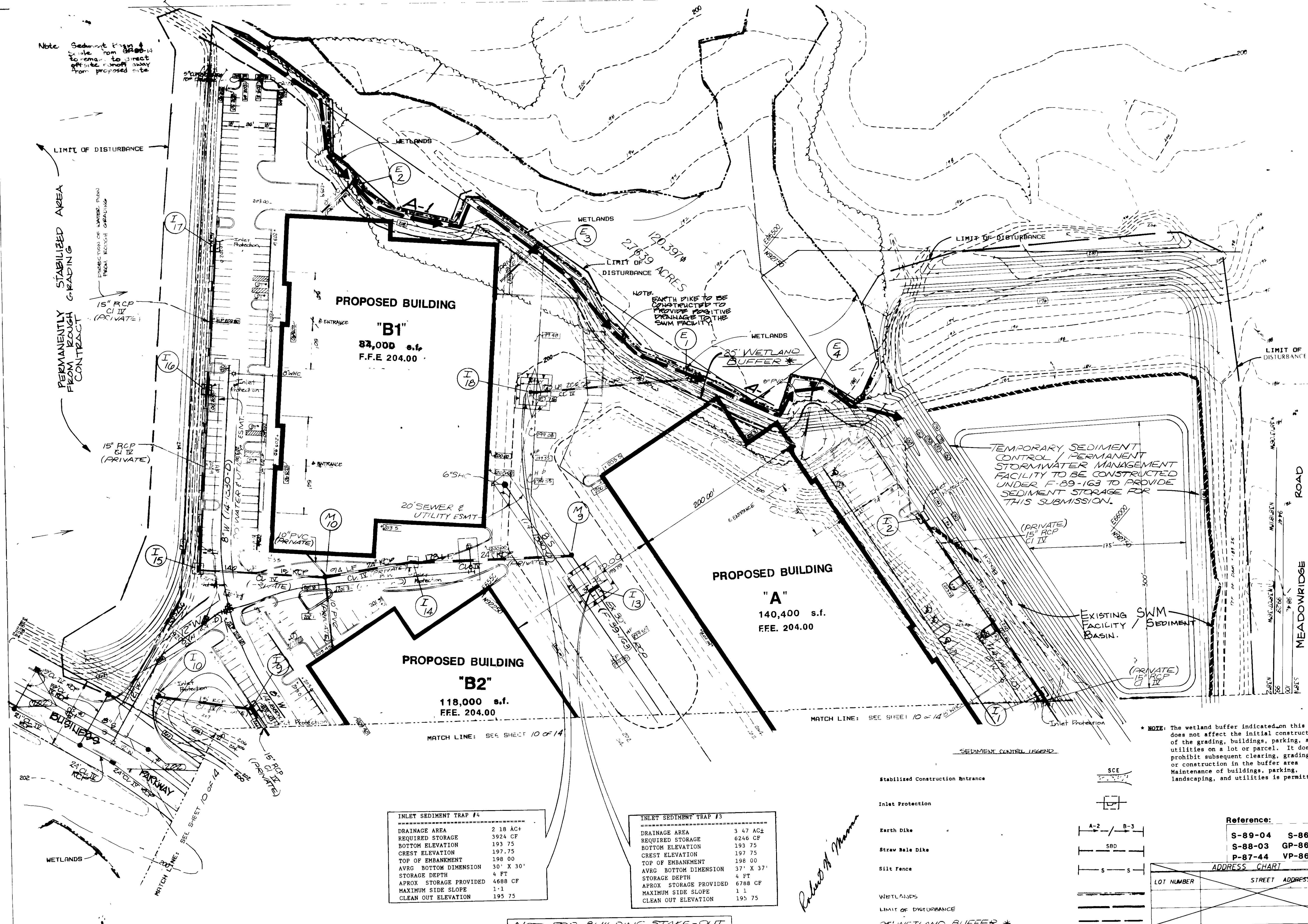
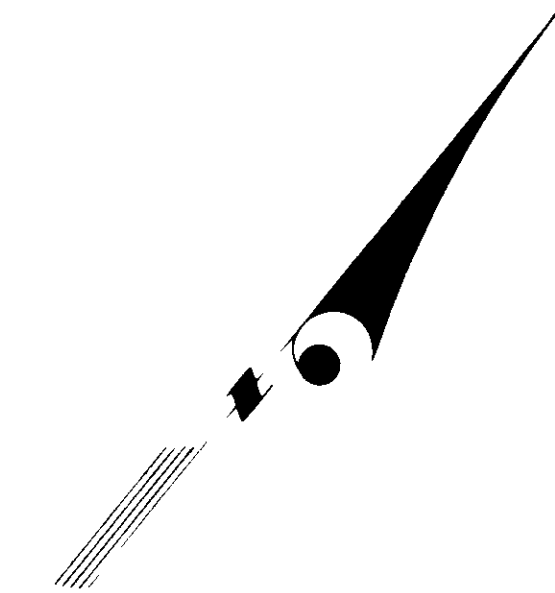
MEADOWRIDGE BUSINESS PARK
LIBER 1419, FOLIO 500
ZONE: M-1
1st ELECTION DISTRICT

G.E.G. DESIGN SCALE HOR 1"=50' VERT 1"=5'
M.T.V. DRAWN
R.H.M. CHECKED
FEB. 1989 DATE
JOB No. FILE No.

8 OF 14 SHEET

SDP 89-69

Note: Sediment traps to be installed from ground to street to prevent sediment from proposed site.



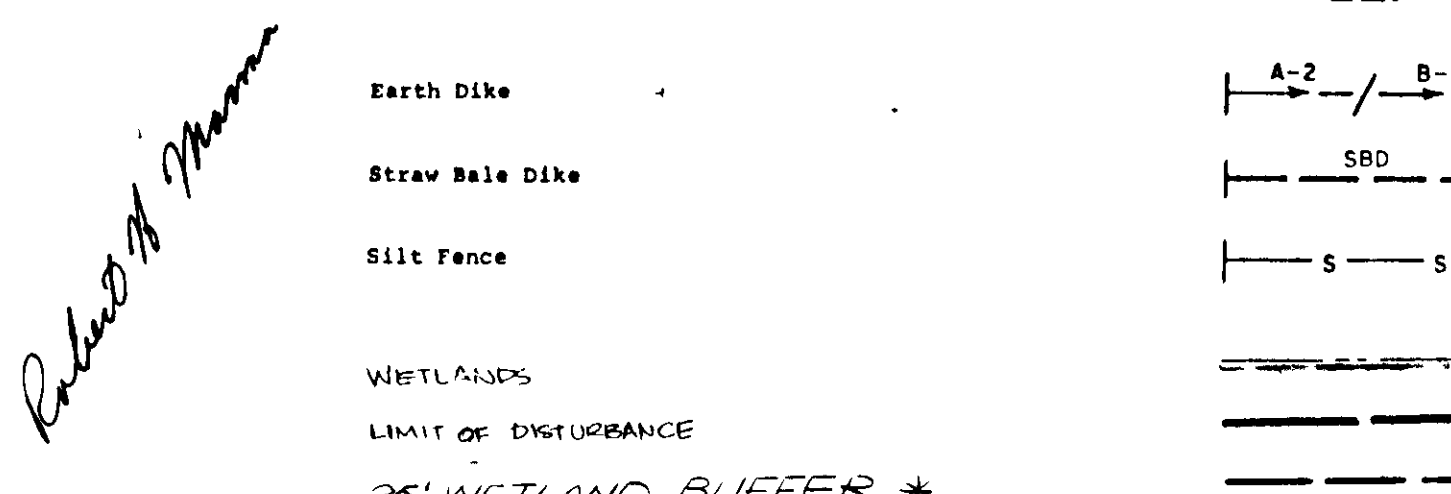
INLET SEDIMENT TRAP #4

DRAINAGE AREA	2.18 AC±
REQUIRED STORAGE	3924 CF
BOTTOM ELEVATION	193.75
CREST ELEVATION	197.75
TOP OF EMBANKMENT	198.00
AVRG. BOTTOM DIMENSION	30' X 30'
STORAGE DEPTH	4 FT
APPROX. STORAGE PROVIDED	4688 CF
MAXIMUM SIDE SLOPE	1:1
CLEAN OUT ELEVATION	195.75

INLET SEDIMENT TRAP #3

DRAINAGE AREA	3.47 AC±
REQUIRED STORAGE	6246 CF
BOTTOM ELEVATION	193.75
CREST ELEVATION	197.75
TOP OF EMBANKMENT	198.00
AVRG. BOTTOM DIMENSION	37' X 37'
STORAGE DEPTH	4 FT
APPROX. STORAGE PROVIDED	6788 CF
MAXIMUM SIDE SLOPE	1:1
CLEAN OUT ELEVATION	195.75

NOT FOR BUILDING STAKE-OUT



* NOTE: The wetland buffer indicated on this SDP does not affect the initial construction of the grading, buildings, parking, and utilities on a lot or parcel. It does prohibit subsequent clearing, grading, or construction in the buffer area. Maintenance of buildings, parking, landscaping, and utilities is permitted.

Reference:
 S-89-04 S-86-11
 S-88-03 GP-86-46
 P-87-44 VP-86-83

ADDRESS CHART

LOT NUMBER	STREET ADDRESS	PLAT NO. OR L.P.	BLOCK NO.	ZONE	TAX ZONE	APR. ELEC. DIST.	CENSUS TR.

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS & PUBLIC ROADS
 HOWARD COUNTY DEPT. OF PUBLIC WORKS

Joseph M. Bondal 11/15/89
 COUNTY HEALTH OFFICER DATE

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS & PUBLIC ROADS
 HOWARD COUNTY DEPT. OF PUBLIC WORKS

James J. ... 11/14/89
 DIRECTOR DATE

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS & PUBLIC ROADS
 HOWARD COUNTY DEPT. OF PLANNING & ZONING

James ... 12/8/89
 PLANNING DIRECTOR DATE

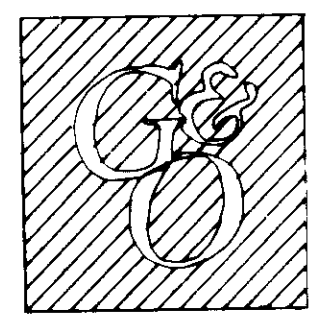
Frank J. ... 12/12/89
 CHIEF DIV. OF COMMUNITY PLANNING & LAND DEVELOPMENT DATE

BY THE DEVELOPER:
 I, *Richard W. ...*, CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT MANY 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.

BY THE ENGINEER:
 I, *Robert N. Mann*, 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.

Owner/Developer
MEADOWRIDGE INDUSTRIAL PARTNERSHIP
 10005 Old Columbia Road
 Columbia, MD 21046
 (301) 381-4444

No.	REVISION	DATE	BY



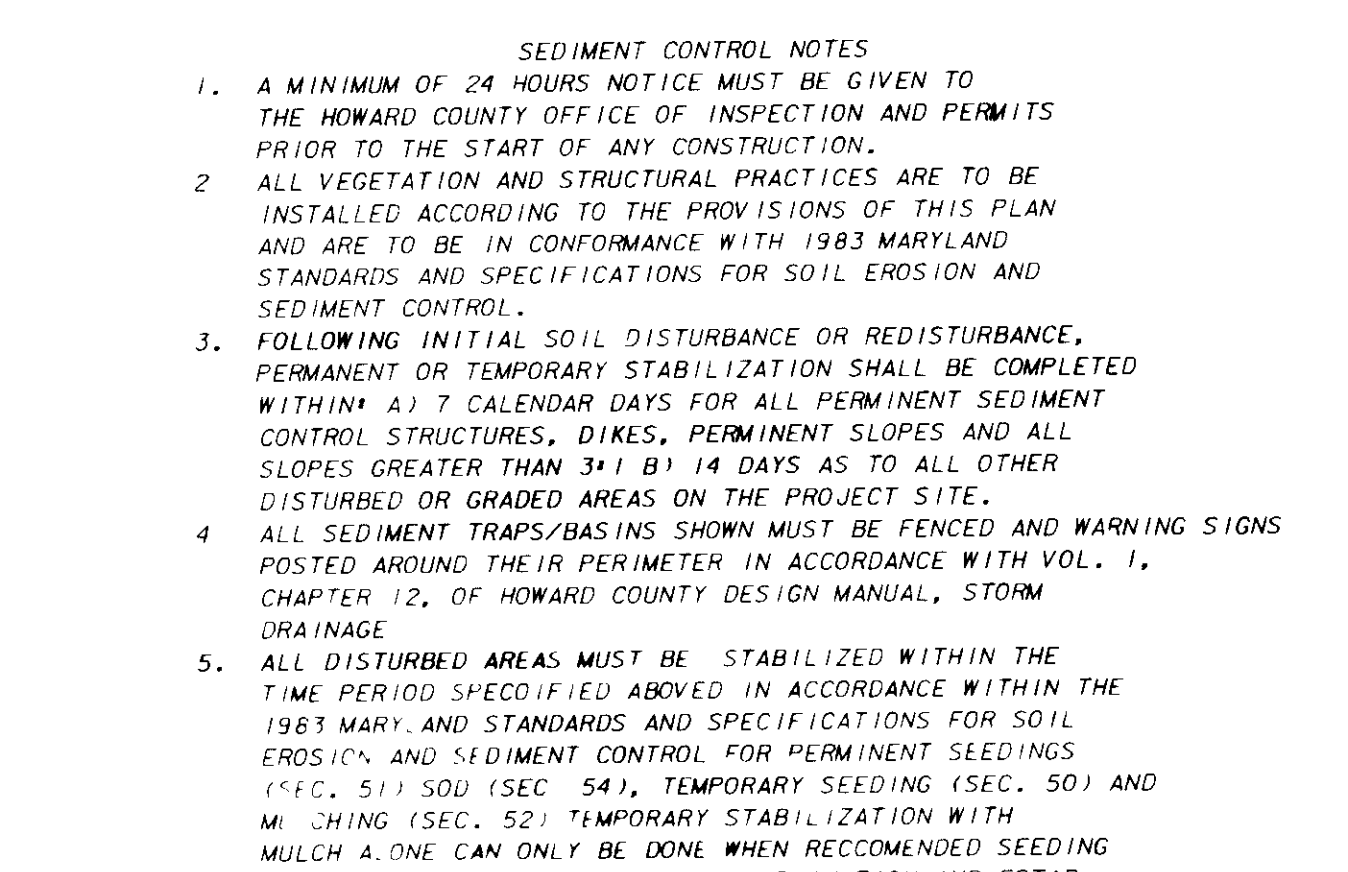
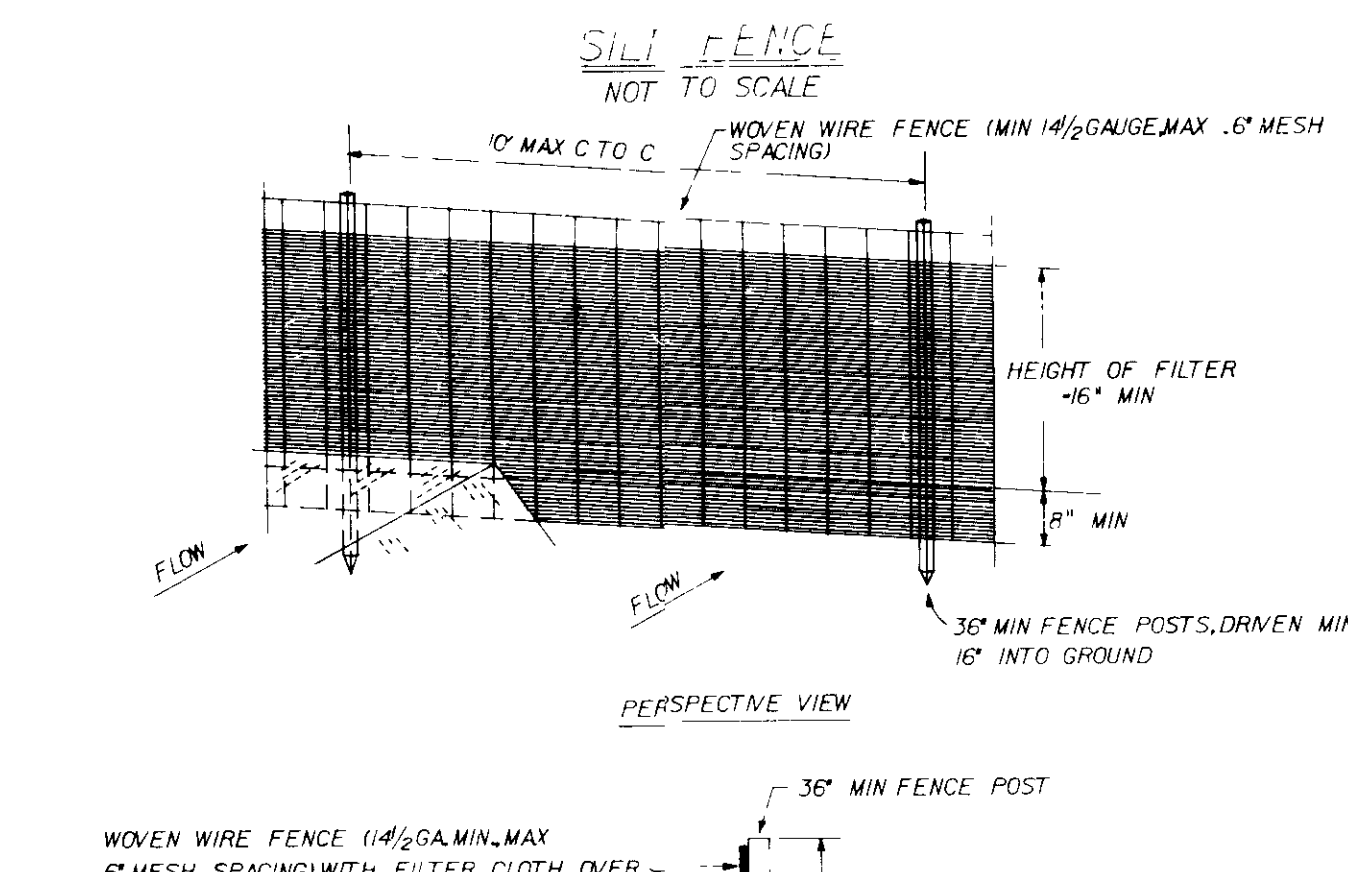
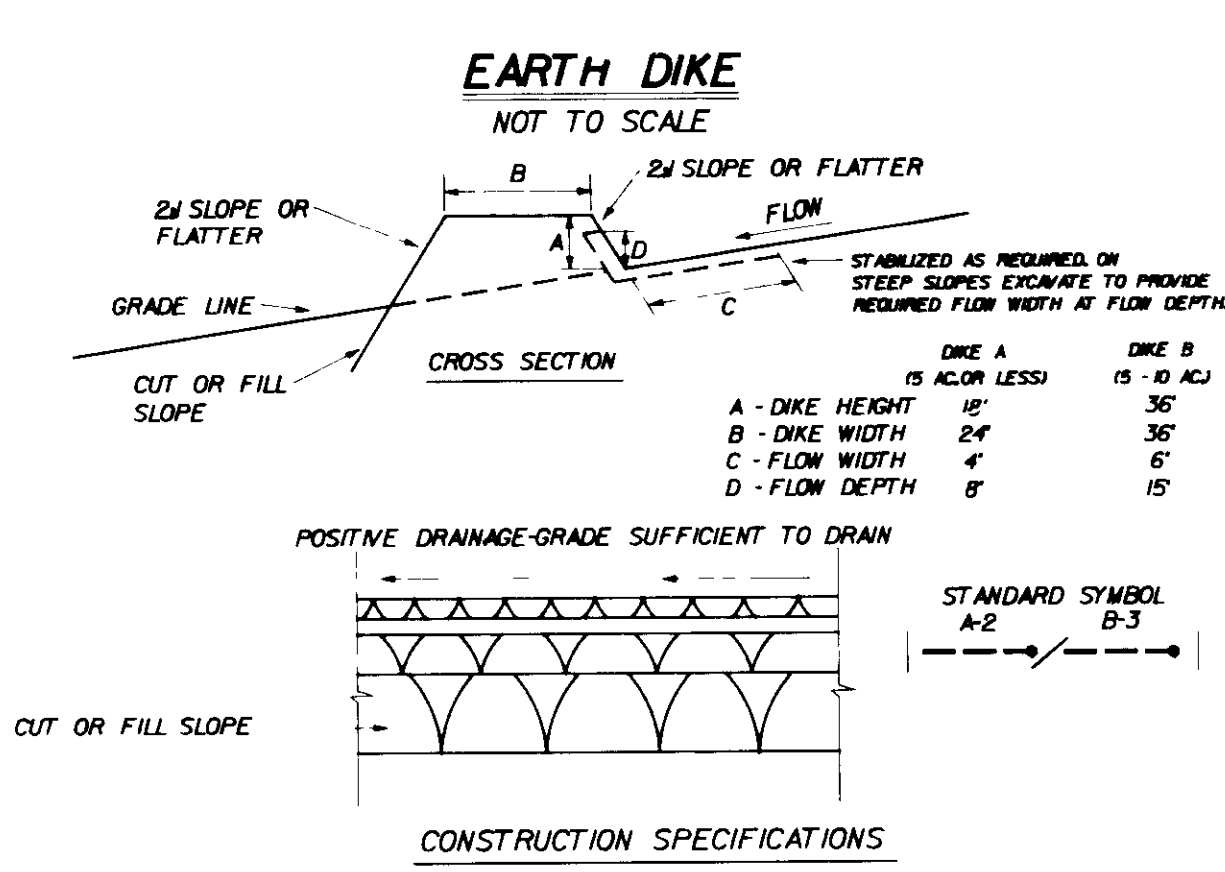
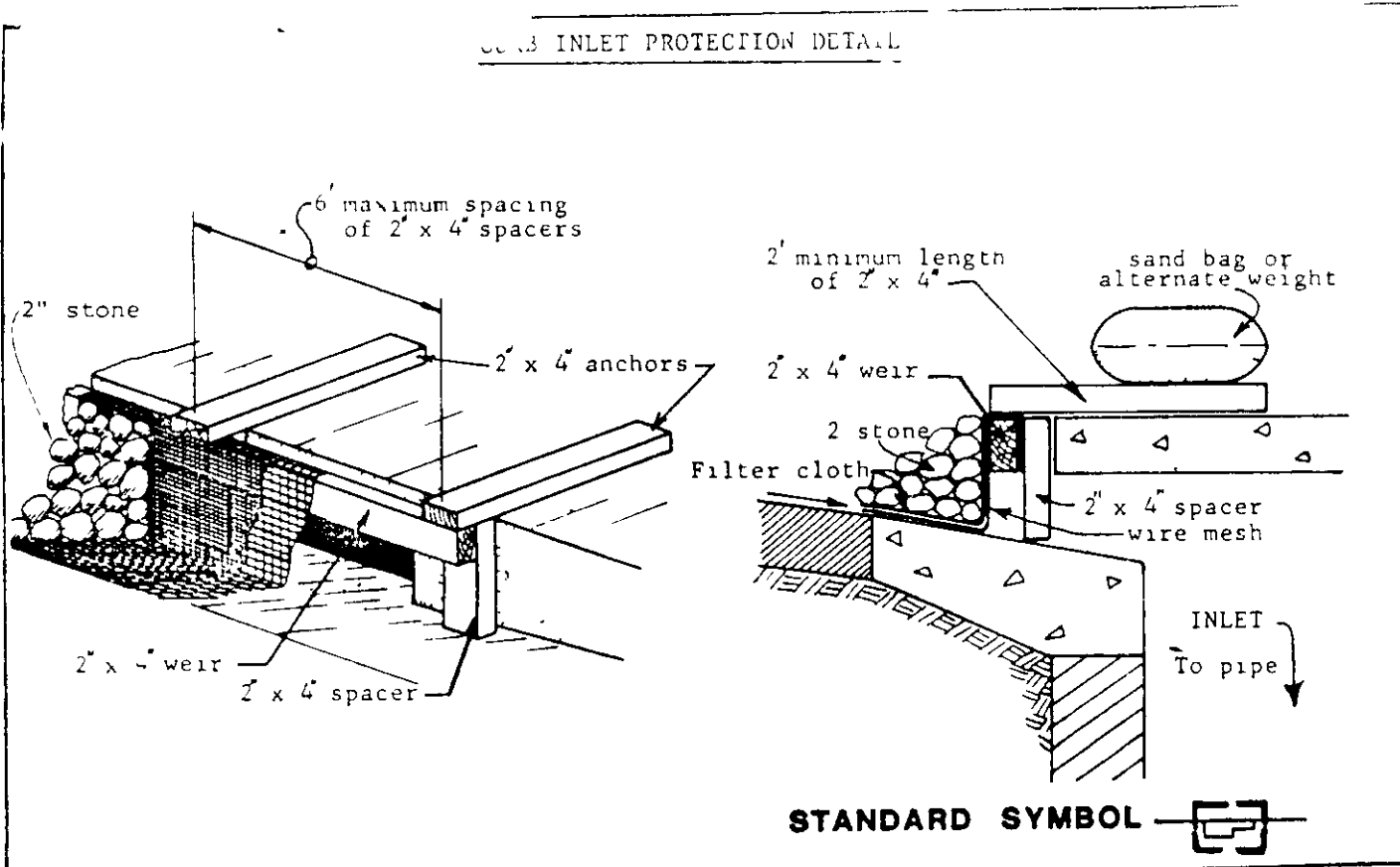
ENGINEERS ARCHITECTS PLANNERS SCIENTISTS SURVEYORS PHOTOGRAMMETRISTS
GREENHORNE & O'MARA, INC.
 113 WEST ROAD, SUITE 206
 BALTIMORE, MD. 21204
 (301) 296-4100

SEDIMENT CONTROL PLAN : PARCELS A & B
MEADOWRIDGE BUSINESS PARK

TAX MAP 37, p. 362, 178
 ZONE: M-1
 1st ELECTION DISTRICT

M.F.E. DESIGN SCALE 1" = 50'
 DRAWN BY **9** OF 14
 CHECKED BY
 DATE OCT '88
 SHEET
 JOB No. FILE No.

SDP 89-69



Construction Specifications

I. 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 stone for curb inlets, with water fully impounded against it.
- Filter cloth must be of a type approved for this purpose; resistant to sunlight with weave size, 80, 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 cloth.

II. Procedure

- A. Swale, ditchline 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 nail strips between posts on ends of inlet. Assemble top portion of 2 x 4 frame using overlap joint shown. Top of frame (weir) must be 6" below edge of roadway adjacent to inlet.
 - Stretch wire mesh tightly around frame and fasten securely. Ends 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. Ends must meet at post, be overlapped and folded, then fastened down.
 - Backfill around inlet in compacted 4" 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 (weir).
 - This structure must be inspected frequently and the filter fabric replaced when clogged.
- B. Curb Inlet Protection**
 - Attach a continuous piece of wire mesh (30" min. width by throat length plus 4") to the 2" x 4" weir (measuring throat length plus 2") as shown on the standard drawing.
 - Place a piece of approved filter cloth (40-85 weave) of the same dimensions as the wire mesh over the wire mesh and securely attach to the 2" x 4" weir.
 - Securely nail the 2" x 4" weirs to 9" long vertical spacers to be located between the weir and inlet face (max. 6" apart).
 - Place the assembly against the inlet throat and nail (minimum 2" lengths of 2" x 4" to the top of the weir at spacer locations. These 2" x 4" anchors shall extend across the inlet top and be held in place by sandbags or alternate weight.
 - The assembly shall be placed so that the end spacers are a minimum 1" beyond both ends of the throat opening.
 - From 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 in such a manner 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 dikes directing flow into inlet.

CONSTRUCTION SPECIFICATIONS

- ALL DIKES SHALL BE COMPACTED BY EARTH MOVING EQUIPMENT.
- ALL DIKES SHALL HAVE POSITIVE DRAINAGE TO AN OUTLET.
- TOP WIDTH MAY BE WIDER AND SIDE SLOPES MAY BE FLATTER IF DESIRED TO FACILITATE CROSSING BY CONSTRUCTION TRAFFIC.
- FIELD LOCATION SHOULD BE ADJUSTED AS NEEDED TO UTILIZE A STABILIZED SAFE OUTLET.
- 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.
- STABILIZATION SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR SEED AND STRAW MULCH OR STRAW MULCH IF NOT IN STANDARD SEASON, (B) FLOW CHANNEL AS PER THE CHART BELOW.

FLOW CHANNEL STABILIZATION

TYPE OF TREATMENT	CHANNEL GRADE	DIKE A	DIKE B
1	S-20X	SEED AND STRAW MULCH	SEED AND STRAW MULCH
2	S-30X	SEED AND STRAW MULCH	SEED USING JUTE OR 2" STONE
3	S-40X	SEED WITH JUTE OR 2" STONE	LINED RIP-RAP 4-8"
4	S-50X	SEED WITH JUTE OR 2" STONE	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.
 D. PERIODIC INSPECTION AND REQUIRED MAINTENANCE MUST BE PROVIDED AFTER EACH RAIN EVENT.

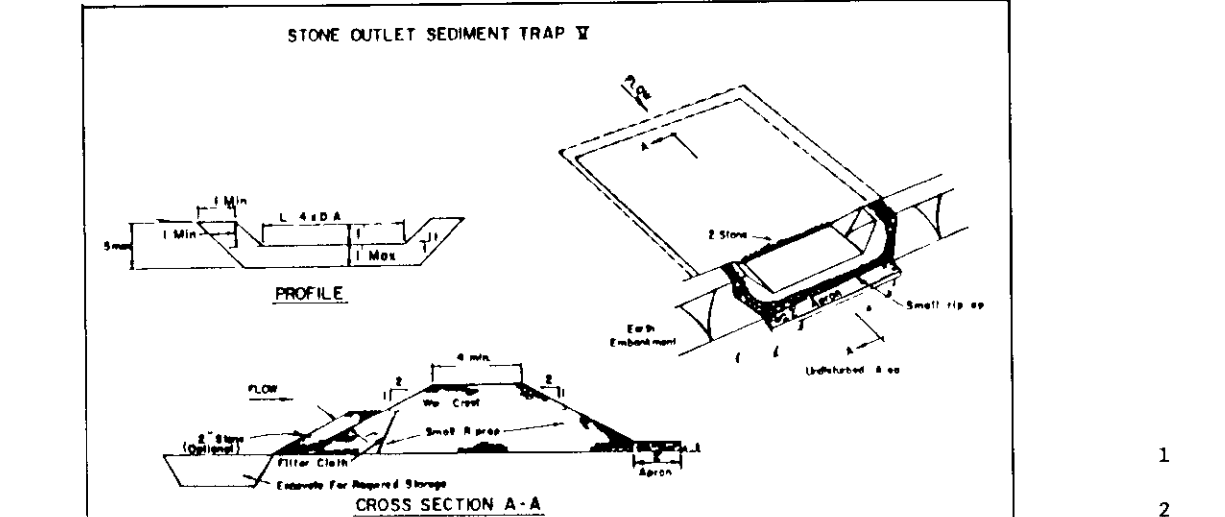
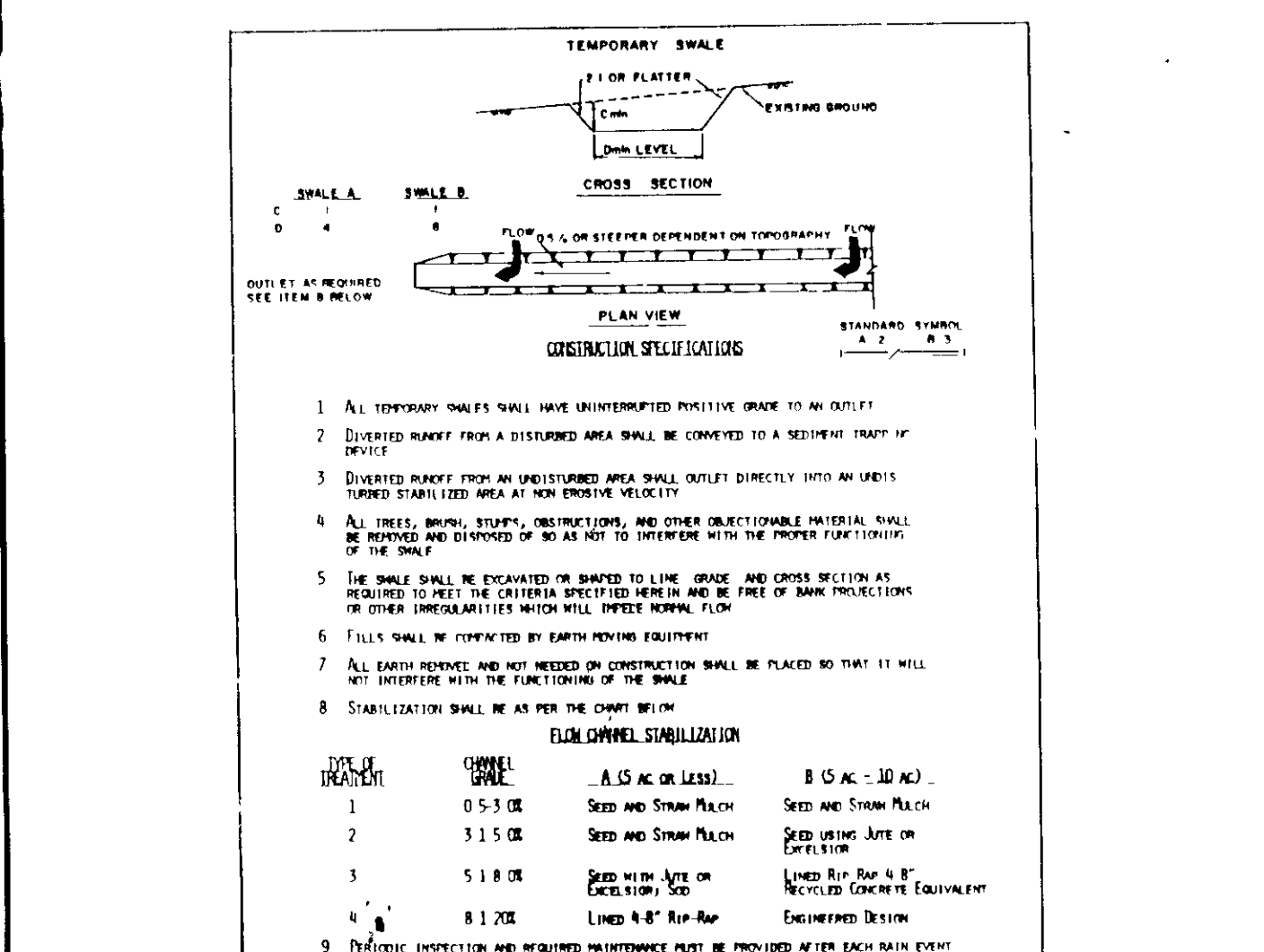
CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
- FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN NECESSARY IN THE SILT FENCE.

POSTS: STEEL EITHER T OR U TYPE OR 2" HARDWOOD
 FENCE: WOVEN WIRE, 1/4 GA. 6" MAX MESH OPENING
 FILTER CLOTH: FILTER X, MIRAFL, DIX, STABILINKA, TIRION OR APPROVED EQUAL
 PREFABRICATED UNIT: GEOFAB, ENVIROFENCE, OR APPROVED EQUAL

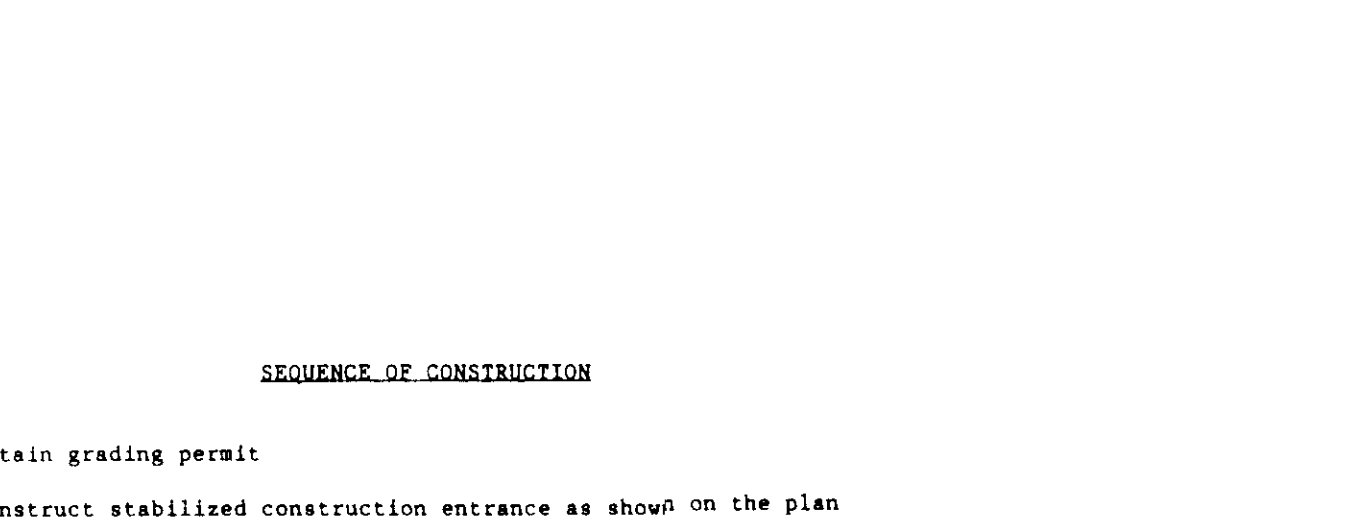
SEDIMENT CONTROL NOTES

- 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.
- ALL VEGETATION AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN 14 CALENDAR DAYS FOR ALL PERMANENT SEDIMENT CONTROL STRUCTURES, DIKES, PERMANENT SLOPES AND ALL SLOPES GREATER THAN 3:1. 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 THE PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 12, OF 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 (1983, 511.501 (SEC. 54)), TEMPORARY SEEDING (SEC. 50) AND MULCHING (SEC. 52). TEMPORARY STABILIZATION WITH MULCH 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 PERMISSIBILITY FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- SITE ANALYSIS:**
 - TOTAL AREA OF SITE: 18.80 ACRES
 - AREAS DISTURBED: 25.06 ACRES (INCLUDES PROPOSED SWM TO BE CONSTRUCTED LATER) F-85-163
 - AREA TO BE ROOFED OR PAVED: 14.58 ACRES
 - AREA TO BE PERMANENTLY STABILIZED: 10.48 ACRES
 - TOTAL FILL: 45,300 CU. YDS.
 - TOTAL FILL: 40,100 CU. YDS.
 - OFF-SITE WASTE/ANALY LOCATION: BALANCE
- 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.
- 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 BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.



CONSTRUCTION SPECIFICATIONS FOR ST-IV

- Area under sediment trap shall be cleared, graded and stripped of any vegetation and top soil. The soil shall be covered.
- The fill material for the sediment trap shall be free of roots and other woody vegetation as well as oversized stones, rocks, debris, or other objectionable material. The sediment trap shall be completed by excavating with equipment while it is being constructed.
- All cut and fill slopes shall be 3:1 or flatter.
- The stone used in the outlet shall be small riprap 4-8" along with a 1" thickness of 2" aggregate placed on the top grade side on the small riprap to embedded filter cloth in the trap.
- Outlet 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 is minimized.
- The sediment trap shall be removed and the area stabilized when the drainage area has been properly stabilized.
- All cut slopes shall be 3:1 or flatter.



CONSTRUCTION SPECIFICATIONS FOR ST-III

- 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.
- 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 is minimized.
- The sediment trap shall be removed and the area stabilized when the drainage area has been properly stabilized.
- All cut slopes shall be 3:1 or flatter.

PERMANENT SEEDING NOTES

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

Seeded Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding. IF NOT PREVIOUSLY LOOSENED, Soil Amendments: In lieu of soil test recommendations, use one of the following schedules:

- Preferred - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 square ft) and 600 lbs per acre 10-10-10 fertilizer (14 lbs/100 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/100 sq ft) before seeding. Harrow or disc into upper three inches of soil.
- 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 (0.5 lbs/1000 sq ft) of weeping lovegrass. During the period of March 1 thru February, protect site by Option (1) 2 tons per acre of weeping lovegrass from mulch and seed as soon as possible in the spring. Option (2) seed with 60 lbs per acre of Kentucky 31 Tall Fescue and mulch with 2 lbs of straw per 100 sq ft.

Mulching: Apply 1 1/2 to 2 tons per acre & 10 to 20 lbs/1000 sq ft of unrapped small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 21R gal per acre or 200 sq ft for anchoring.

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

OWNER/DEVELOPER:
 MEADOWRIDGE INDUSTRIAL PARTNERSHIP
 10005 OLD COLUMBIA ROAD
 COLUMBIA, MARYLAND 21046
 (301) 381-4444

No.	REVISION	DATE	BY

ENGINEERS ARCHITECTS PLANNERS SCIENTISTS SURVEYORS PHOTOGRAMMETRISTS
GREENHORNE & O'MARA, INC.
 113 WEST ROAD, SUITE 206
 BALTIMORE, MD. 21204
 (301) 286-4100

ANNAPOLIS, MD ATLANTA, GA AURORA, CO CULPEPER, VA EXP-ORT, PA FAIRFAX, VA GREENBELT, MD MANASSAS, VA ROCKVILLE, MD RALEIGH, NC TAMPA, FL

SEDIMENT CONTROL DETAILS & NOTES
MEADOWRIDGE BUSINESS PARK
 PARCELS A & B
 TAX MAP 37, p. 362 P.17B
 ZONE: M-1
 1st ELECTION DISTRICT

MFF DESIGN	SCALE	N/A
CADD DRAWN	11 OF 14	
RHM CHECKED	SHEET	
DATE	OCT '88	FILE NO.
DATE	9-12-87	FILE NO.
DATE	9-13-89	FILE NO.

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS & PUBLIC ROADS
 HOWARD CO. DEPT. OF PUBLIC WORKS
 DATE: 11/18/89
 SIGNATURE: [Signature]

APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
 DATE: 11/15/89
 SIGNATURE: [Signature]

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
 DATE: 12/8/89
 SIGNATURE: [Signature]

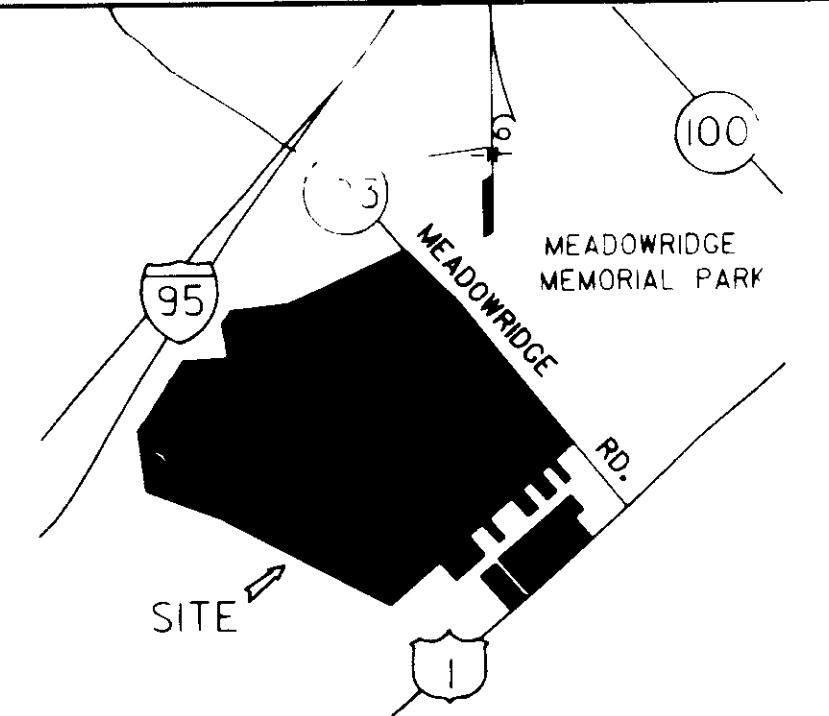
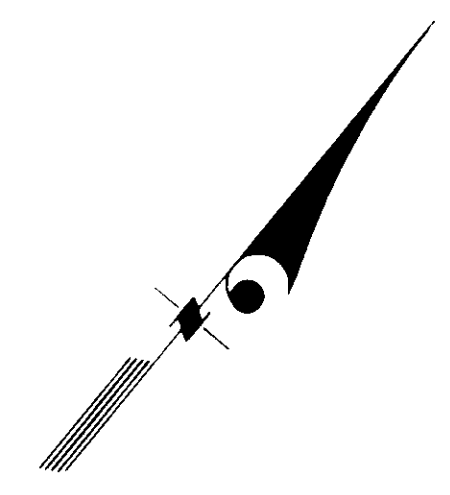
APPROVED: DATE: 11/18/89
 SIGNATURE: [Signature]

BY THE DEVELOPER:
 I HEREBY CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT MANY 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.
 I AM AUTHORIZING PERIODIC ON SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT.
 DATE: 8-31-89
 SIGNATURE OF DEVELOPER: [Signature]

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.
 DATE: 8-31-89
 SIGNATURE OF ENGINEER: [Signature]

Reviewed for HOWARD S.C.D. Name: [Signature]
 or meets Technical Requirements.
 DATE: 9-13-89
 SIGNATURE: [Signature]

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 DATE: 9-12-87
 SIGNATURE: [Signature]



VICINITY MAP
SCALE: 1" = 100'

APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE
HOWARD COUNTY HEALTH DEPARTMENT
Joyce M. Boyd 1/15/89
COUNTY HEALTH OFFICER DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE,
STORM DRAINAGE SYSTEMS & PUBLIC ROADS
HOWARD CO. DEPT. OF PUBLIC WORKS
[Signature] 11/28/89
DIRECTOR DATE
CHIEF BUREAU OF ENGINEERING

APPROVED: HOWARD COUNTY DEPT. OF
PLANNING & ZONING
[Signature] 12/2/89
PLANNING DIRECTOR DATE
[Signature] 12/1/89
CHIEF DIV. OF COMMUNITY PLANNING & ZONING DEVELOPMENT DATE

SEDIMENT CONTROL
BY THE DEVELOPER:
I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION
WILL BE DONE ACCORDING TO THIS PLAN, AND THAT EVERY
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.
I ALSO AUTHORIZE THE PERIODIC ON SITE INSPECTION BY
THE HOWARD SOIL CONSERVATION DISTRICT.
SIGNATURE OF DEVELOPER 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.
SIGNATURE OF ENGINEER DATE

REVIEWED FOR HOWARD S.C.D.
AND MEETS TECHNICAL REQUIREMENTS.
U.S. SOIL CONSERVATION SERVICE DATE

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

NOTE:
EXISTING TOPOGRAPHY
FROM SURVEY BY
GREENHORNE & O'MARA, INC.,
MAY, 1988.
* RD = ROOF DRAIN
8-9-89 JB.

Robert B. Mamm

ADDRESS CHART		SUBDIVISION NAME		SECT./AREA	LOT/PARCEL
LOT NUMBER	STREET ADDRESS	FLAT NO. OR L/F/BLOCK NO.	ZONE/TAX MAP/ELEC. DIST./CENSUS	362	
				MT 37	1st
				WATER CODE	SEWER CODE

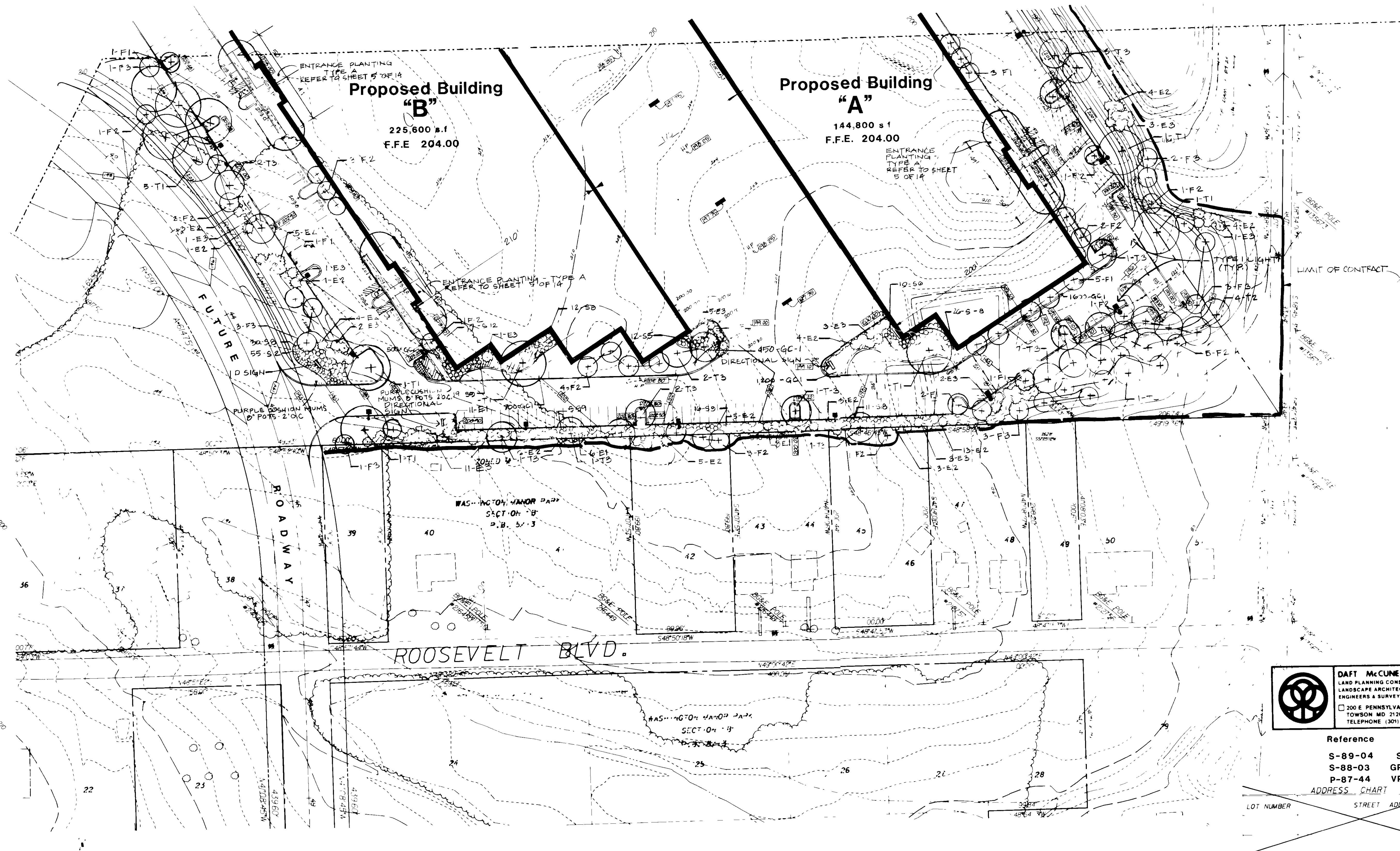
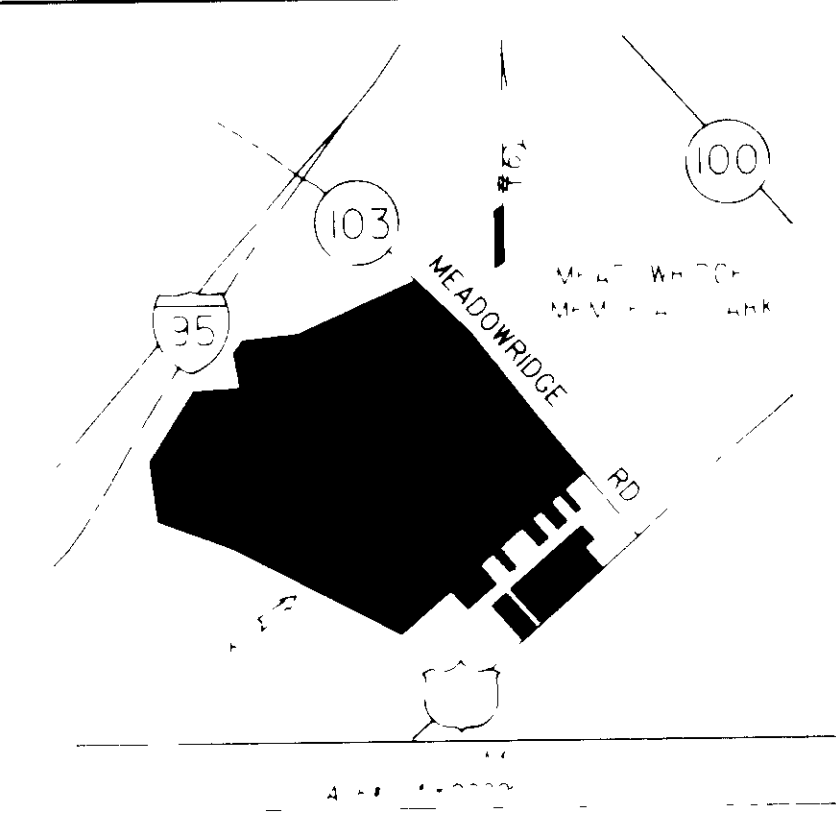
Owner/Developer
MEADOWRIDGE INDUSTRIAL PARTNERSHIP
10005 Old Columbia Road
Columbia, MD 21046
(301) 381-4444

DESIGN	DATE	BY

ENGINEERS ARCHITECTS PLANNERS SCIENTISTS SURVEYORS PHOTOGRAMMETRISTS
GREENHORNE & O'MARA, INC.
113 WEST ROAD, SUITE 208
BALTIMORE, MD. 21204
(301) 298-4100
ANNAPOLIS, MD ATLANTA, GA AURORA, IL CULPEPER, VA EXPORT, PA FAIRFAX, VA
GREENBELT, MD MANASSAS, VA ROCKVILLE, MD RALEIGH, NC TAMPA, FL

DRAINAGE AREA MAP
PARCELS A & B
MEADOWRIDGE BUSINESS PARK
LIBER 1419, FOLIO 500
ZONE: M-1
1st ELECTION DISTRICT
TAX MAPS 37, P. 362 & 170
ZONING MAPS 37-43
HOWARD COUNTY, MARYLAND
GEG DESIGN SCALE: 1" = 100'
KEM/MFF DRAWN
RHM CHECKED
12 OF 14 SHEET
OCT 1988 DATE
JOB No. FILE No.

SDP 87-09



LIGHTING
 TYPE - B244E
 400 WATT SODIUM VAPOR PENDANT
 POLE 30 FT.

TYPE 2 - EXTERIOR LIGHTING SYSTEMS*
 2-1111 LIGHT
 SERIES # 1000-10 2-1111 DBR-150 - A
 ASSEMBLY BY MANUL/W/
 MIXING DIODES
 * A DIVISION OF ECS INDUSTRIES INC.

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS & PUBLIC ROADS
 HOWARD COUNTY DEPT. OF PUBLIC WORKS
 Director: [Signature] DATE: 11/15/89
 Chief, Bureau of Engineering: [Signature] DATE: 11/15/89

APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
 [Signature] DATE: 11/15/89
 (COUNTY HEALTH OFFICE)

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
 [Signature] DATE: 12/18/89
 [Signature] DATE: 12/17/89
 CHIEF, DIV. OF COMMUNITY PLANNING & LAND DEVELOPMENT

2-7-89
 J.B.

DAFT McCUNE WALKER INC
 LAND PLANNING CONSULTANTS
 LANDSCAPE ARCHITECTS
 ENGINEERS & SURVEYORS
 200 E PENNSYLVANIA AVE
 TOWSON MD 21284
 TELEPHONE (301) 296-3373

Reference
 S-89-04 S-86-11
 S-88-03 GP-86-46
 P-87-44 VP-86-83

ADDRESS CHART
 LOT NUMBER STREET ADDRESS

362
 M-1 37 1st
 WATER CODE SEWER CODE

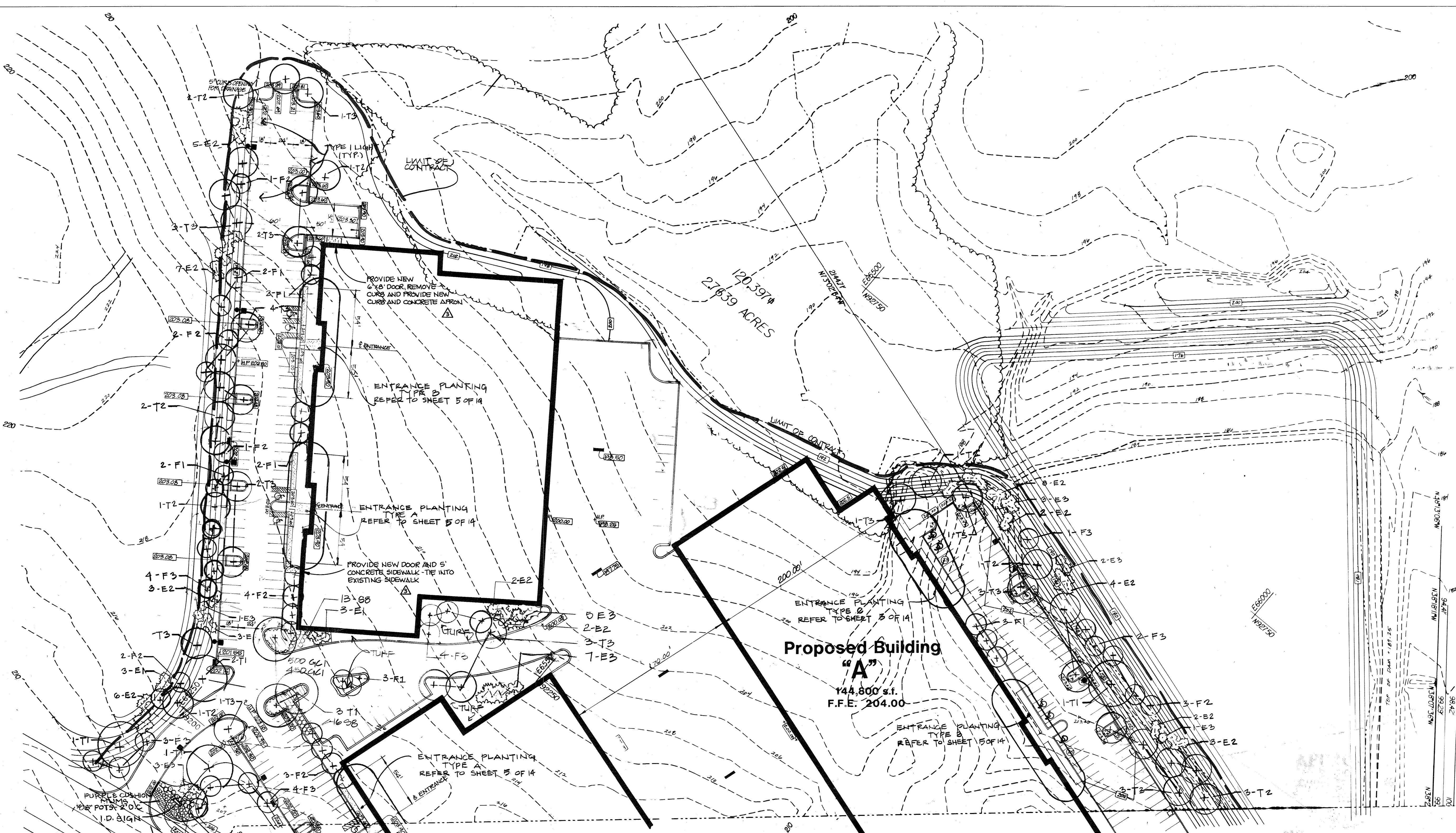


Owner/Developer
MEADOWRIDGE INDUSTRIAL PARTNERSHIP
 10005 Old Columbia Road
 Columbia, Md. 21046
 (301) 381-4444

REVISION	DATE	BY
4.4.89	4/1/89	PER
BLDG B PLANTING AND PLANT LIST	0-8-89	PER
TITLE BLOCK, SHEET NUMBER	8/31/89	

ENGINEER ARCHITECT PLANNERS SCIENTISTS SURVEYORS PHOTOGRAMMETRISTS
GREENHORN & O'NEILL, INC.
 113 WEST ROAD, SUITE 206
 BALTIMORE, MD. 21204
 (301) 528-6700
 ANNAPOLIS, MD ATLANTA, GA ALBANY, NY COLLEGE PARK, MD FARMERSBURGH, PA FARMERSBURGH, VA
 GREENBELT, MD MANASSAS, VA ROCKVILLE, MD WASHINGTON, DC TAMPA, FL

PLANTING & LIGHTING PLAN
MEADOWRIDGE BUSINESS PARK
 TAX MAP 37, p. 362 PARCELS A & B
 ZONE: M-1
 1st ELECTION DISTRICT
 ZONING MAPS 37&43
 HOWARD COUNTY, MARYLAND
 OCT 88 88034
 1" = 50'
13 OF 14
 SDP 89-69



PLANT SCHEDULE

KEY	QUANTITY	BOTANICAL NAME/ COMMON NAME	SIZE	ROOT	REMARKS
T-1	21	QUERCUS RUBRA RED OAK	4-1/2"-5-1/2"	B&B	SPECIMAN
T-2	20	LIQUIDAMBAR STRACILIFUA SWEEGUM	2-1/2"-3"	B&B	
T-3	48	TILIA CORDATA 'GREENSPIRE' 'GREENSPIRE LINDEN'	2-1/2"-3"	B&B	
F-1	33	AMELANCHIER CANADENSIS SERVICEBERRY	10'-12'	B&B	MULTI-STEM
F-2	37	MALUS RADIANT RADIANT CRABAPPLE	1-3/4"-2"	B&B	
F-3	28	CRATAEGUS VIRIDIS 'WINTER KING' WINTER KING HAWTHORN	2"-2-1/2"	B&B	
R-1	36	PIEA ABIES NORWAY SPRUCE	5'-0"	B&B	
R-2	110	PINUS STROBUS EASTERN WHITE PINE	6'-7"	B&B	
R-3	51	PINUS STROBUS EASTERN WHITE PINE	10'-12'	B&B	
S-1	86	ILEX CHINATA CONYEA CONYEA JAPANESE HOLLY	24"-30"	B&B	3' O.C.
S-2	87	JUNIPERUS COMPERTA SHORE JUNIPER	12"-15"	6" CANS	30" O.C.
S-4	60	ILEX CHINATA HELLERI HELLERI HOLLY	12"-18"	8" CANS	30" O.C.
S-5	12	VIBURNUM RHYTIDOPHYLLUM LEATHERLEAF VIBURNUM	3'-4'	B&B	4' O.C.
S-6	10	VIBURNUM DILATATUM LINDEN VIBURNUM	3'-4'	B&B	4' O.C.
S-8	131	CORNUS SERICIA RED-STEMMED DOGWOOD	3'-4'	B&B	4' O.C.
S-9	112	FOSTERIA INTERMEDIA SUSPensa WEEPING SORSTHIA	2'-3'	B&B	3-1/2' O.C.
S-10	48	TAXUS CUSPIDATA DENISFORMIS DENISFORMIS YEW	24"-30"	B&B	3' O.C.
S-12	105	TAXUS MEDIA WARDII WARDII YEW	12"-18"	B&B	30" O.C.
GC-1	5700	BIOMYXUS FORTUNEI COLORATUS PURPLE LEAF WINTER GREENER	9"-12"	POTS	12" O.C.
GC-2	3812	HEDERA HELIX BALTICA ENGLISH IVY	12"-15"	POTS	8" O.C.
GC-3	376	CHRYSANTHEMUM SP. PURPLE CUSHION MUMS	9"-12"	POTS	2' O.C.

**Proposed Building
"A"**
144,800 s.f.
F.F.E. 204.00

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS & PUBLIC ROADS
HOWARD CO. DEPT. OF PUBLIC WORKS
James J. Quinn 11/14/87
DIRECTOR
CHIEF, BUREAU OF ENGINEERING P DATE

APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT
Royce M. Boudreau 12/8/89
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
James R. Butler 12/8/89
PLANNING DIRECTOR DATE
Charles J. D. Campbell 12/14/89
CHIEF, DIV. OF COMMUNITY PLANNING & LAND DEVELOPMENT DATE

PLANTING NOTES

1. QUALITY AND SIZE OF PLANTS, SPREAD OF ROOTS, AND SIZE OF BALLS SHALL BE IN ACCORDANCE WITH THE STANDARDS OF THE AMERICAN ASSOCIATION OF NURSERYMEN, "AMERICAN STANDARDS FOR NURSERY STOCK".
2. CONTRACTOR SHALL BE REQUIRED TO GUARANTEE ALL PLANTS MATERIALS FOR A PERIOD OF ONE YEAR AFTER INSTALLATION IS COMPLETE AND APPROVED. AT THE END OF ONE YEAR ALL PLANT MATERIAL WHICH IS DEAD OR DYING SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE WITH PLANT MATERIAL OF IDENTICAL TYPE, SIZE AND CONDITION AS ORIGINALLY SPECIFIED.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO UTILITIES AND MAY MAKE MINOR ADJUSTMENTS IN SPACING AND/OR LOCATION OF PLANT MATERIALS TO AVOID CONFLICTS WITH UTILITIES. COORDINATE WITH UTILITY CONTRACTOR TO VERIFY 'AS BUILT' LOCATION OF ALL UTILITIES.

DAFT - McCUNE - WALKER, INC.
LAND PLANNING CONSULTANTS
LANDSCAPE ARCHITECTS
ENGINEERS & SURVEYORS
200 E. PENNSYLVANIA AVE.
TOWSON, MD. 21284
TELEPHONE: (301) 296-3333

Reference:
S-89-04 S-86-11
S-88-03 GP-86-46
P-87-44 VP-86-83

APPROVED
DIVISION OF
COMMUNITY PLANNING
& LAND DEVELOPMENT
HOWARD COUNTY,
MARYLAND
DATE 8-9-89



LOT NUMBER	ADDRESS	STREET ADDRESS	SUBDIVISION NAME	SECT./AREA	LOT/PARCEL
					362
			PLAT NO. OR L/F/BLOCK NO./ZONE	TAX/ZONE MAP	ELEC. DIST./CENSUS TR.
			M1	37	1st
			WATER CODE	SEWER CODE	

Owner/Developer
MEADOWRIDGE INDUSTRIAL PARTNERSHIP
10005 Old Columbia Road
Columbia, MD 21046
(301) 381-4444

No.	REVISION	DATE	BY
1	A-6-89 HANDICAP PARKING, BLDG. ENTRANCES, LIGHTS ISSUED FOR BID	4-12-89	
2	BUDG. B, PLANTING, AND PLANT LIST	6-8-89	ASF
3	TITLE BLOCK, SHEET NO.	8-31-89	
4	ADD 1 EXTERIOR DOOR & TIE IN CONCRETE SIDEWALK ADD 1 EXTERIOR DOOR REMOVE & REPLACE CURB W/NEW CURB AND CONC. APRON	9/28/90	NJB

GREENHORNE & O'MARA, INC.
113 WEST ROAD, SUITE 200
BALTIMORE, MD. 21204
(301) 296-4100
ANNAPOLIS, MD ATLANTA, GA AURORA, CO CULPEPER, VA EXPORT, PA FAIRFAX, VA
GREENBELT, MD MANASSAS, VA ROCKVILLE, MD RALEIGH, NC TAMPA, FL

PLANTING & LIGHTING PLAN
MEADOWRIDGE BUSINESS PARK
TAX MAP 37, p. 362 PARCELS A & B
ZONE: M-1
1st ELECTION DISTRICT

DESIGN SCALE 1" = 50'
DRAWN 14 OF 14
CHECKED SHEET
OCT/88
DATE 8/24/89
JOB NO. 88-04
FILE No.