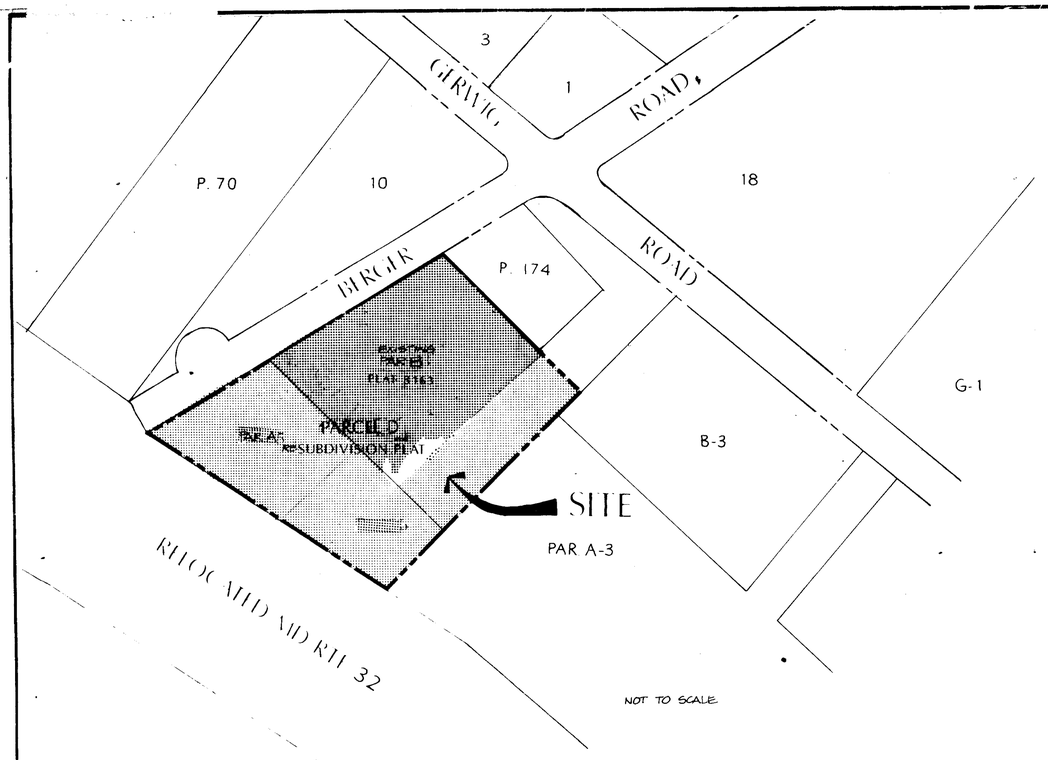
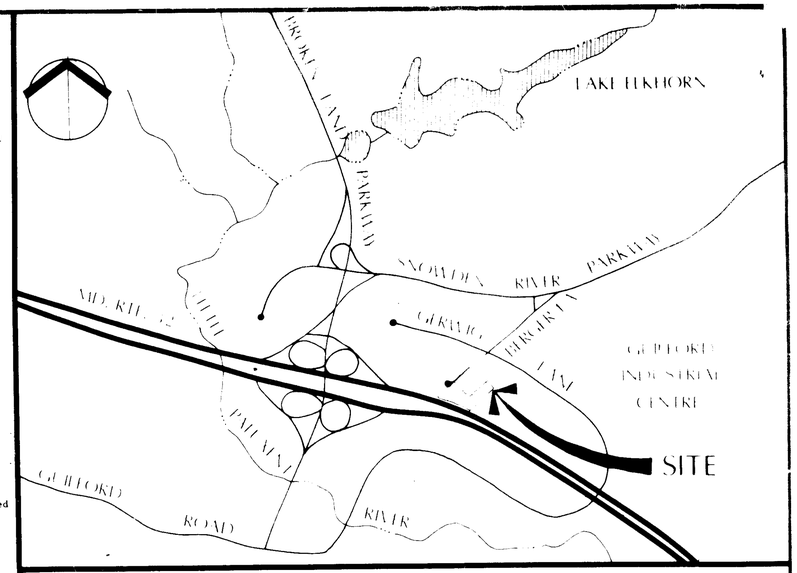


Site Data

Site Zoning	M-1 Zone 3.29 acres NT Zone 2.87 acres (New Town Employment Center Industrial)
Gross Site Acreage	6.16 acres (268,401.01 S.F.)
Building Setback Requirements (M-1 Zone)	
1. From external public street R.O.W.	50'
2. From internal public street R.O.W.	50'
3. From any residential district other than public street R.O.W.	150'
Building setback requirements (NT Zone)	
1. As per F.D.P. 156-A	
Building data	
1. Proposed building gross floor area (Net building floor area 30,000 S.F.)	31,750 S.F. (11.83%)
2. Existing building gross floor area	37,920 S.F. (14.13%)
3. Total building site coverage	69,670 S.F. (25.96%)
4. Building height limitation	50'
5. Proposed building height	14'
Parking data	
1. Required parking ratio	1 space/employee and 3 visitor spaces
2. Parking required	4 spaces
3. Parking provided*	4 spaces
4. Handicapped spaces required	1 spaces
5. Handicapped spaces provided*	1 space
6. Existing paved area	41,359.2 S.F. (15.41%)
Proposed paved area	55,805.60 S.F. (20.79%)
Total paved area	97,164.80 S.F. (36.20%)
*NOTE: All parking spaces, handicapped space and dumpster are provided at the existing mini storage facility. See sheet 2 of 8 for locations.	
Open space data	
1. Open space requirement	53,680 S.F. (20%)
Total paved area on site	97,164.80 S.F. (36.20%)
Total building coverage on site	69,670 S.F. (25.96%)
Total of building & paved area on site	166,834.80 S.F. (62.16%)
Total open space provided	101,566.21 S.F. (37.84%)



VICINITY MAP
1" = 1000'

SITE DEVELOPMENT PLAN

THE VAULT – COLUMBIA

6TH ELECTION DISTRICT

HOWARD COUNTY, MARYLAND

SHEET INDEX

SHEET #	SHEET TITLE
1	COVER SHEET
2	SITE DEVELOPMENT PLAN
3	SOILS MAP
4	SITE AND LANDSCAPE DETAILS
5	S.W.M./SEDIMENT CONTROL PLAN
6	S.W.M. DETAILS
7	SEDIMENT CONTROL AND SWM DETAILS
8	LANDSCAPE PLAN

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

COUNTY HEALTH OFFICER — DATE 2/16/90

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

DIRECTOR — DATE 2/13/90

CHIEF, BUREAU OF ENGINEERING — DATE 2-12-90

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

PLANNING DIRECTOR — DATE 3.7.90

CHIEF, DIV. OF COMMUNITY PLANNING & LAND DEVELOPMENT — DATE 4/23/90 LS

11-8-89
LS

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

F-90-31
F 89-11
FDP 156-A
SDP 84-58
S 88-107

ROBERT HARRIS MARTIN, LIC. NO. 11857, STATE OF MARYLAND, REGISTERED PROFESSIONAL ENGINEER

ADDRESS CHART		SUBDIVISION NAME: THE VAULT COLUMBIA EGU SUBDIVISION	SECT./AREA: 2/8	LOT/PARCEL: PARCEL D
LOT NUMBER	STREET ADDRESS	PLAT NO. OR L/F: 9	BLOCK NO.:	ZONE: NT
PAR. D	9597 BERGER ROAD	TAX/ZONE MAP: 42	ELEC. DIST.: 6TH	CENSUS TR.: 6061.03
		WATER CODE: EGU6	SEWER CODE: N/A	

CHESAPEAKE RESOURCES, INC.
12030 PARKLAWN DRIVE
ROCKVILLE, MARYLAND 20852

NO.	REVISION

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 • DENVER, CO • DULUTH, GA • EXPORT, PA • FAIRFAX, VA • GREENBELT, MD • HERNDON, VA • MANASSAS, VA • RALEIGH, NC • ROCKVILLE, MD • TAMPA, FL • WEST PALM BEACH, FL

E.G.U. SECTION 2 AREA 8 PARCEL D
THE VAULT - COLUMBIA
ADDITION TO EXISTING MINI WAREHOUSE FACILITY
TAX MAP NO. 42 E.G.U. SECTION 2, AREA 8, PARCEL D (PARCELS 386 395)
ZONE M-1/NT (New Town-Employment Center Industrial) ZONING MAP 42
ELECTION DISTRICT 16 (HOWARD COUNTY, MARYLAND)

DESIGN	SCALE
DRAWN	1 OF 8
CHECKED	SHEET
DATE	JOB No. / FILE No.

SDP-89-257

BERGER ROAD

EX. S.W.M. BASIN

EXISTING MINI-WAREHOUSE FACILITY
S.D.P.-84-58
PREPARED BY THE RIEMER GROUP
SEPTEMBER 8, 1988

PARCEL 174
MINI STORAGE OF COLUMBIA
LIMITED PARTNERSHIP
994 0010

ZONE: M-1

RELOCATED MD. RTE. 32

BUILDING 12 — SLAB ELEV: 307.00 — 4900 FT²
BUILDING 13 — SLAB ELEV: 306.60 — 3000 FT²
BUILDING 14 — SLAB ELEV: 306.60 — 3000 FT²
BUILDING 17 — SLAB ELEV: 304.93
BUILDING 15 — SLAB ELEV: 304.71
BLDG 16 — 1000 FT² — SLAB ELEV: 308.90
BLDG 19 — ADDITION TO BLDG #6 — SLAB ELEV: 301.90 — 1800 FT²
BUILDING 20 — SLAB: 308.94 — 4700 FT²
BLDG 21 — SLAB: 308.00 — 1800 FT²

#1 — 3360 FT²
#2 — 3120 FT²
#3 — 3360 FT²
#4 — 3360 FT²
#5 — 2280 FT²
#6 — 2280 FT²
#7 — 3960 FT²
#8 — 4200 FT²
#9 — 4440 FT²
#10 — 2880 FT²
#11 — 8280 FT²

PREVIOUS SUBMISSION LINE
DEDICATED TO HOWARD COUNTY MARYLAND FOR USE AS A PUBLIC ROAD SEE F-90-31
EX. CHAIN LINK FENCE
EXISTING OFFICE
4 EXISTING SPACES
Existing Stormwater Management Structure
EXISTING EDGE OF PAVING
EXISTING SANITARY MANHOLE
EX. DUMPSTER TO BE RELOCATED
EX. 20' DRAINAGE AND UTILITY EASEMENT
EXISTING CURB AND GUTTER TO BE REMOVED. PROPOSED PAVING TO MEET EXISTING PAVING AT GRADE.
TRANSITION PAVEMENT
PROPOSED S.W.M. AREA
PROP. SWM CONTROL STRUCTURE
PROP. 8" PERFORATED CMP @ 0.00% (SEE DETAIL)
BLDG LOCD AS RET. WALL
EDGE OF PAVING
METAL PICKET FENCE SEE 7/4
PROPOSED TREE LINE
EDGE OF PAVING
BUILDING SETBACK LINE AND USE SETBACK
EX. EDGE OF PAVING
PROPOSED DUMPSTER PAD
6' HT CHAIN LINK FENCE SEE 1/2
PROPOSED 6' HIGH CHAIN LINK FENCE
SEE DETAIL 1/2
25' BUFFER
25' BUFFER AREA
LIMIT OF WETLANDS
EXISTING 50' DRAINAGE EASEMENT
5' WIDE RIVERINE WETLAND AREA
22' FROM NEAREST SANITORY SEWER MANHOLE
BASS AVE
487,800 N
E 543,200
E 543,000
N 87,800

E.G.U. SUBDIVISION
PARCEL B-3
WASHINGTON APPLIANCE
WHOLESALERS, INC
1076-0175

E.G.U. SUBDIVISION
PARCEL A-3
PLAT NO. 6725
ZONE: NT

F-90-31
F-89-11
FDP 156-A
SDP 84-58
S 88-107

FENCE DETAIL 1/2

ELEVATION - FENCE AND GATE

Proposed Building Setbacks	Existing Fire Hydrant
Existing Contours	Proposed Fire Hydrant
Proposed Contours	Proposed Inlet
Proposed Sanitary Line	Proposed Dumpster and Dumpster Pad
Proposed Storm Drainage Line	Transformer Pad
Proposed Water Line	Reverse Curb and Gutter
ZONING LINE	Overhead Lighting
PREVIOUS SUBMISSION LINE	TRANSITION PAVEMENT SECTION
LIMIT OF SUBMISSION	EXISTING SPOT GRADE
TRAFFIC DIRECTION ARROW	PROPOSED SPOT GRADE
	EXISTING TREES TO REMAIN
	EXISTING TREES TO BE REMOVED

VICINITY MAP
SCALE 1" = 2000'

APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT
Joyce M Boyd and per gfs — 2/6/90
COUNTY HEALTH OFFICER — DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS & PUBLIC ROADS
HOWARD CO. DEPT. OF PUBLIC WORKS
DIRECTOR — 4/3/90 DATE
CHIEF, BUREAU OF ENGINEERING — 2-12-90 DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
PLANNING DIRECTOR — 3.7.90 DATE
CHIEF, DIV. OF COMMUNITY PLANNING & LAND DEVELOPMENT — 2/23/90 DATE LS

SEDIMENT CONTROL

BY THE DEVELOPER:

"I/WE 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 EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
HOWARD S.C.D. — DATE

1L8-89
LS

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

ADDRESS CHART	
LOT NUMBER	STREET ADDRESS

SUBDIVISION NAME: THE VAULT COLUMBIA EGU SUBDIVISION		SECT./AREA: 2/8	LOT/PARCEL: PARCEL D
PLAT NO. OR L/F: 17611/0078, 12149/0074	BLOCK NO.: 9	ZONE: M-1, NT	TAX/ZONE MAP: 42
ELEC. DIST.: 6TH	CENSUS TR.: 6061.03		
WATER CODE: E06	SEWER CODE: W4		

STATE OF MARYLAND — ROBERT HAROLD MAYER — LIC. NO. 11,[illegible] — REGISTERED PROFESSIONAL ENGINEER

No.	REVISION	DATE	BY
1	REV. BLDGS. 20 & 21 - 24' DRIVE AISLE AS PER COUNTY	10/24/89	LLH
2	BLDG 12 - 1ST FF BLDG 11	1/19/90	LLH
3	REV. BLDGS 20 & 21 - 24' DRIVE AISLE AS PER COUNTY	2/5/90	KRM
4	REV. WETLANDS & 25' BUFFER	4/30/90	KRM

OWNER/DEVELOPER
CHESAPEAKE RESOURCES, INC.
12030 PARKLAWN DRIVE ROCKVILLE MARYLAND 20850

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 DEVELOPMENT PLAN - PARCELS A & B
THE VAULT - COLUMBIA
ADDITION TO EXISTING MINI WAREHOUSE FACILITY
TAX MAP NO 42 E.G.U. SECTION 2, AREA 8, PARCEL D — PARCELS 386 395
ZONE M-1/NT (New Town-Employment Center Industrial) — ZONING MAP 42
ELECTION DISTRICT 6 — HOWARD COUNTY, MARYLAND

LLB DESIGN	SCALE 1" = 30'		
LLB DRAWN	2 OF 8		
DLM CHECKED	SHEET		
4/26/89 DATE	JOB No.	FILE No.	

SDP-89-257

BERGER ROAD

S 64° 43' 55" W

412.02'

EX 80' R/W

EX. EDGE OF PAVING

S 64° 22' 00" W 170.89'

S 56° 49' 00" W 87.57'

PROPOSED GABION WALL

BUILDING SETBACK LINE

AdB2

BUILDING 12

SLAB ELEV: 307.00

BUILDING 13

SLAB ELEV: 306.50

BUILDING 14

SLAB ELEV: 306.00

BUILDING 17

SLAB ELEV: 304.93

BUILDING 18

SLAB ELEV: 304.93

BUILDING 15

ZONE: NT

BLDG 16

BLDG 19

BUILDING 20

190'

SLAB = 302.67

4750 ft²

SLAB = 303.34

BLDG 21

WaB

PREVIOUS SUBMISSION LINE

EX. CHAIN LINK FENCE

S 38° 48' 19" E 374.44'

EXISTING MINI-WAREHOUSE FACILITY

S.D.P.-84-58

PREPARED BY THE RIEMER GROUP

SEPTEMBER 8, 1983

Approved 2-13-90

ZONE: M-1

PARCEL 174

MINI STORAGE OF COLUMBIA

LIMITED PARTNERSHIP

994 00 10

ZONE: M-1

PREVIOUS SUBMISSION LINE. EXISTING CURB AND GUTTER TO BE REMOVED. PROPOSED PAVING TO MEET EXISTING PAVING AT GRADE

EX DUMPSTER TO BE RELOCATED

24' DRIVE AISLE

SEE DETAIL 1/2

PROP. 6' HIGH CHAIN LINK FENCE

6' HT CHAIN LINK FENCE SEE 12

PROPOSED DUMPSTER PAD

28' DRIVE AISLE

26' DRIVE AISLE

METAL PICKET FENCE SEE ARCH. DRAWINGS

ZONING LINE

PROPOSED TREE LINE

EX. EDGE OF PAVING

VEHICULAR INGRESS / EGRESS

RELOCATED MD. RTE. 32

STATE HIGHWAY MAINTAINED (FULL R/W)

100' R.O.W.

RESTRICTED

R = 5714.65'

A = 213.44'

N 38° 20' 04" W

N 38° 20' 04" E

S 42° 42' 18" W 559.10'

EDGE OF PAVING

RAMP

SLOPE

38% SLOPE

SD DRAINAGE & UTILITY ESMT

20'

WaB

AdB2

BrC3

SOIL SUMMARY

AdB2 - ALDINO SILT LOAM, 3-8% SLOPES MODERATELY ERODED.

BrC3 - BRANDYWINE LOAM - 8-15% SL SEVERELY ERODED.

WaB - WATCHUNG SILT LOAM, 2-8% SLOPES.

Proposed Building Setbacks

Existing Contours

Proposed Contours

Proposed Sanitary Line

Proposed Storm Drainage Line

Proposed Water Line

Proposed Fire Hydrant

Proposed Inlet

Proposed Dumpster and Dumpster Pad

Transformer Pad

Reverse Curb and Gutter

Overhead Lighting

RAMPED PAVEMENT SECTION

EXISTING GRADES

22' FROM POINT "A" TO NEAREST SANITARY SEWER MANHOLE

E.G.U. SUBDIVISION PARCEL V 3 LIBER 0434 ZONE: NT

E.G.U. SUBDIVISION PARCEL B-1 WASHINGTON SQUARE WHOLESALERS, INC. BLOCK C

F-90-31
F 89-11
FDP 156-A
SDP 84-58
S 88-107

ADDRESS CHART

LOT NUMBER | STREET ADDRESS

SUBDIVISION NAME | SECT./AREA | LOT/PARCEL

PLAT NO., OR L/F | BLOCK | ZONE | TAX ZONE | MAP | ELEC. DIST. | CENSUS TR.

WATER CODE | SEWER CODE

STATE OF MARYLAND — ROBERT HAROLD MAHNKEN — I.D. NO. 10007 — REGISTERED PROFESSIONAL ENGINEER

SEE

APPROVED: DEPARTMENT OF PUBLIC WORKS — BUREAU OF ENGINEERING — CHIEF, BUREAU OF ENGINEERING — 2/6/90

APPROVED: DEPARTMENT OF PUBLIC WORKS — BUREAU OF ENGINEERING — CHIEF, BUREAU OF ENGINEERING — 2/13/90 — 2-12-90

APPROVED: DEPARTMENT OF PLANNING AND ZONING — DIRECTOR — 3.7.90 — CHIEF, DEVELOPMENT ENGINEERING DIVISION — 4/4/90 LS

Joseph Wilson, P.E. 6-6-89

Robert K. Marmon 9-18-89

APPROVED — DEPARTMENT OF PUBLIC WORKS — 11-8-89 — LS

OWNER/DEVELOPER:
CHESAPEAKE RESOURCES, INC.
12030 PARKLAWN DRIVE
ROCKVILLE, MARYLAND 20850

NO.	REVISION	DATE	BY
1.	REV. BLDGS 20 & 21 - 24' DRIVE AISLE	2/15/90	KRM
2.	REV. WETLANDS & 25' BUFFER	4/30/90	KRM

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

SOILS MAP

THE VAULT - COLUMBIA

AN ADDITION TO EXISTING MINI WAREHOUSE FACILITY

TAX MAP NO. 42 E.G.U. SECTION 2, AREA 8, PARCEL D PARCELS

ZONE: M-1 NT ZONING MAP 42

ELECTION DISTRICT 6 HOWARD COUNTY, MARYLAND

TITLE 1 OF 3 8

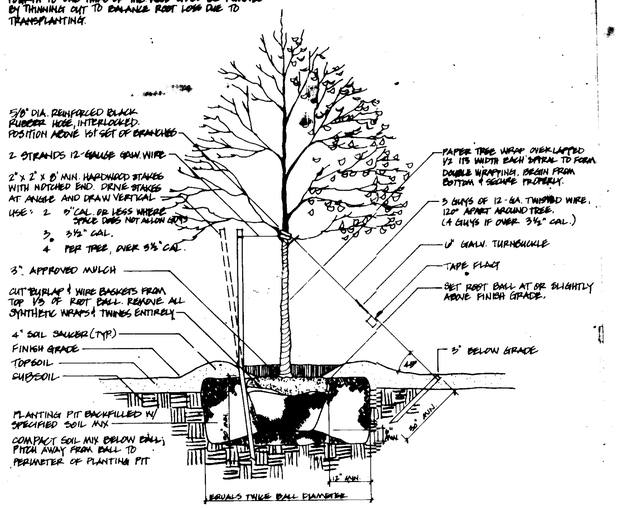
DRAWING NO.

DATE 4-26-89 1144-X

SDP-89-257

PRUNING SHALL BE IN ACCORDANCE WITH APPROVED HORTICULTURAL STANDARDS IN ORDER TO PRESERVE NATURAL FORM OF THE SPECIFIC PLANT. IF APPLICABLE AND APPROVED BY THE LANDSCAPE ARCHITECT, ONE FOURTH TO ONE THIRD OF THE WOOD SHALL BE REMOVED BY THINNING OUT TO BALANCE ROOT LOSS DUE TO TRANSPLANTING.

NOTE: WHERE PLANT PITS ARE DUG WITH AUGERING DEVICES, GLAZED SIDES OR HARDENED SURFACES SHALL BE SCARIFIED PRIOR TO PLANTING.



STAKING DECIDUOUS TREES 6" CAL. OR LESS
EVERGREEN TREES 8' HT. OR LESS

GUYING DECIDUOUS TREES OVER 3" CAL.
EVERGREEN TREES OVER 8' HT.

(4/4) Tree Planting
NO SCALE

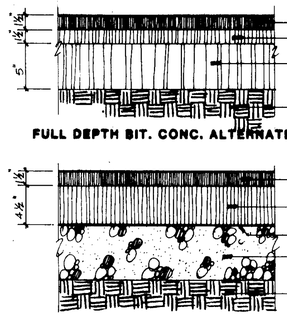
PLANTING NOTES

1. Botanical names shall prevail over common names.
2. No plant substitutions shall be made without prior written approval of the Landscape Architect.
3. All plant material shall be nursery grown, no collected materials shall be accepted, unless specifically indicated.
4. Plants shall conform with the American Associated of Nurserymen standards in all ways including dimensions.
5. All plants are to be approved and/or tagged by the Landscape Architect. The Landscape Architect has the right to reject any plant materials upon delivery to the project. Selection by the Landscape Architect does not waive the right of rejection.
6. All replacements shall be plants of the same kind and size as specified in the plant list, or as is necessary to match surviving plants of the same planting group. All costs shall be borne by the Landscape Contractor except for replacements resulting from loss or damage due to vandalism or acts of neglect on the part of others, physical damage by animals, vehicles, fire, etc., as may be determined by the Landscape Architect.
7. Quantities shown on the Contract Drawings take precedence over plant materials list. Plant materials shall be furnished and planted as specified. Any deviation from these specifications will be rejected.
8. All plant materials shall be placed, or locations staked, on the site as shown on the planting plan prior to commencement of plant excavation for the Landscape Architect's approval. The Contractor must notify the Landscape Architect of all planting operations a minimum of 48 hours in advance.
9. All plant materials shall be balled and burlapped or container grown or as otherwise specified. No constructed balls shall be accepted. Remove synthetic 'burlap' and synthetic twines and ropes. Remove top 1/3 of metal baskets from root balls when the root ball has been positioned in the planting pit; provide support as necessary to protect the root ball from injury during this operation.
10. All plant materials are to be set with the top of root ball even with or slightly above the finished grade.
11. Planting soil shall consist of 5 parts topsoil (or excavated soil if approved by the Landscape Architect), one part sphagnum moss, one part dehydrated cow manure.
12. All plant beds except as specifically noted, are to be topped with a 3" layer of pine bark mulch. Sample to be approved.
13. Seed all disturbed areas. Grass seed shall be fresh, clean, new crop seed composed of the following varieties mixed in the proportions by weight shown and testing the minimum percentages of purity and germination:

TYPE I	% BY WT.	TYPE II	% BY WT.
Perennial Rye	25%	F-31 Tall Fescue	80%
Kentucky Bluegrass (approved hybrid varieties)	50%	Annual Ryegrass	20%
Creeping Red or Pennlawn Fescue	25%		

14. Seeding of lawn areas shall be at the rate of at least 5 lbs. per 1000 square feet. All lawn areas shall be Type I seed mix unless otherwise designated.
15. All lawn areas shall be fertilized with a complete fertilizer, at least half of the nitrogen of which is derived from a natural organic source. It shall be of a 1:1:1 ratio in the spring using a minimum analysis of 10:10:10 and a 1:2:1 ratio in the fall using a minimum analysis of 5:10:5.
16. All lawn areas shall be mulched with salt hay or equal as approved by the Landscape Architect. Straw hay is not permitted.
17. Report any discrepancies to the Landscape Architect immediately for decision.
18. Maintenance shall begin immediately after each plant is planted, and shall continue until acceptance. Plants shall be watered, remulched, weeded, pruned, sprayed, fertilized, cultivated, and otherwise maintained and protected until acceptance of work. Settled plants shall be reset to a proper grade and position, planting saucer restored, and dead material removed. Guys shall be tightened and repaired. Defective work shall be corrected as soon as possible after it becomes apparent, when weather and season permit. Upon completion of planting and prior to acceptance the Landscape Contractor shall remove from the site excess soil and debris and repair disturbed lawn areas and any other damage resulting from planting operations. Dangerous conditions shall be repaired immediately.
19. Upon completion of all landscaping operations, an inspection will be made to determine the acceptability of the job. At this time, a one year guarantee period shall begin, to be culminated by a final inspection. Immediately prior to final inspection, unless otherwise directed, the Contractor shall remove soil saucers, hose, guy wires, wrapping material and stakes. Only those materials found to be alive and in a vigorous, healthy condition at that time will be granted final acceptance. All other material shall be replaced at the Contractor's expense. A sum to cover potential replacements may be withheld if so desired by the owner. The Landscape Architect will be the sole judge of plant material acceptability.

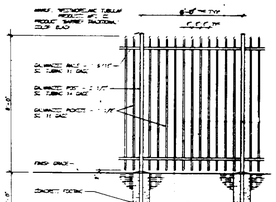
* Planting after Nov. 21 to be guaranteed thru 2nd spring's leafing.



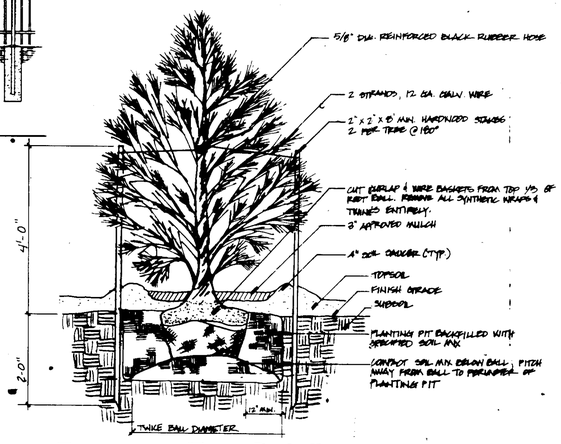
FULL DEPTH BIT. CONC. ALTERNATE

GRANULAR BASE ALTERNATE

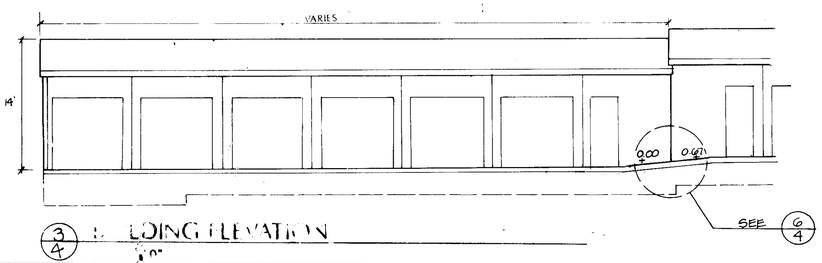
(2/4) Paving Sections: P-3
SCALE: 1½" = 1'-0" **LOADING, ACCESS DRIVES**



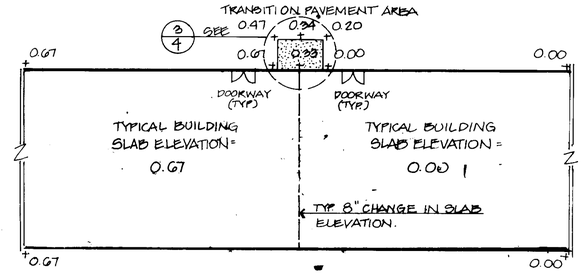
(7/4) Metal Picket Fence
1/4"=1'0"



(5/4) Evergreen Tree Detail
NO SCALE



(3/4) LOADING ELEVATION
1/4"=1'0"



(6/4) TRANSITION PAVEMENT AREA *
1"=10'

* NOTE: THE RATIOS USED HERE ARE TO BE APPLIED TO EACH BLDG SLAB ELEVATION. THE LOWER SLAB ELEV. SHALL ASSUME THE POSITION OF THE 0.00 ELEVATION ON THE DETAIL. THE TRANSITION PAVEMENT SHALL BE HOWARD COUNTY STANDARD P-3 PAVING SEE (2/4)

STATE OF MARYLAND — ROBERT ALAN MADISON — No. 18537 — REGISTERED PROFESSIONAL ENGINEER

APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT
COUNTY HEALTH OFFICER — DATE 2/6/90

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS & PUBLIC ROADS
HOWARD CO. DEPT. OF PUBLIC WORKS
DIRECTOR — DATE 2/13/90
CHIEF, BUREAU OF ENGINEERING — DATE 2-12-90

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
PLANNING DIRECTOR — DATE 3.7.90
CHIEF, DIV. OF COMMUNITY PLANNING & LAND DEVELOPMENT — DATE 2/28/90

SEDIMENT CONTROL

BY THE DEVELOPER:

"I/WE 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 BECINNING 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

DATE 11-8-89
LS

F-90-31
F 89-11
FDP 156-A
SDP 84-58
S 88-107

CHESAPEAKE RESOURCES, INC.

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

SITE AND PLANTING DETAILS
THE VAULT - COLUMBIA
ADDITION TO EXISTING MINI WAREHOUSE FACILITY
E.G.U. SECTION 2, AREA 8, PARCEL D
TAX MAP NO. 42 — PARCELS 386 395
ZONE M-1/NT (New Town-Employment Center Industrial) — ZONING MAP 42
ELECTION DISTRICT 6 — HOWARD COUNTY, MARYLAND

LLB DESIGN	SCALE
LLB DRAWN	4 OF 8
DLM CHECKED	SHEET
4/26/89 DATE	JOB No. 1134-X FILE No.

SDP-89-257

BERGER ROAD

S 54°43'55" W

412.02'

EX 80' R.O.W.

EX. EDGE OF PAVING

LIMIT OF DISTURBANCE

S 36°49'00" W 87.57'

S 54°22'00" W 170.89'

BUILDING SETBACK LINE AND USE SETBACK

EXISTING FIRE HYDRANT

EXISTING MINI-WAREHOUSE FACILITY

S.D.P.-84-158

PREPARED BY THE RIEMER GROUP

SEPTEMBER 8, 1983

Approved 2-1-84

ZONE: M-1

PREVIOUS SUBMISSION LINE

EX. CHAIN LINK FENCE

#1 #2 #3 #4 #5 #6 #7 #8 #9 #10 #11

4 EXISTING SPACES

PARCEL 174

MINI STORAGE OF COLUMBIA LIMITED PARTNERSHIP

994/0010

ZONE: M-1

BUILDING 12 — SLAB ELEV = 307.00

BUILDING 13 — SLAB ELEV = 306.50

BUILDING 14 — SLAB ELEV = 305.60

BUILDING 15 — SLAB ELEV = 304.70

BUILDING 16 — SLAB ELEV = 303.80

BUILDING 17 — SLAB ELEV = 304.90

BUILDING 20

BLDG. 21 — SLAB = 302.00

25' DRIVE AISLE

24' DRIVE AISLE

PROP. 8" W

PROP. 6" W

EX. DUMPSTER TO BE RELOCATED

PROPOSED DUMPSTER PAD

SEE DETAIL V-2

PROP. 6' HIGH CHAIN LINK FENCE SEE 1/2

INLET PROTECTION SLAB = 302.67 4750 FT²

EXISTING CURB AND GUTTER TO BE REMOVED - PROPOSED PAVING TO MEET EXISTING PAVING AT GRADE

TRANSITION PAVEMENT

LIMIT OF DISTURBANCE

EXISTING SANITARY MANHOLE

EXISTING EDGE OF PAVING

EMBANKMENT TO BE MADE OF ON SITE MATERIAL

PROP. SWM CONTROL STRUCTURE

PROP 6" PERFORATED CMP @ 0.00% (SEE DETAIL)

EDGE OF PAVING

3' CHAIN LINK FENCE

20' BUFFER AREA

EXISTING SWM DRAINAGE EASEMENT

EXISTING SWM DRAINAGE EASEMENT

EXISTING STORM DRAIN EASEMENT

EXISTING SANITARY EASEMENT

EXISTING WATER EASEMENT

EXISTING WATER & SANITARY EASEMENT

EXISTING WATER EASEMENT

EXISTING SANITARY EASEMENT

EXISTING STORM DRAIN EASEMENT

EXISTING SWM DRAINAGE EASEMENT

EXISTING SWM DRAINAGE EASEMENT

METAL PICKET FENCE SEE 7/4

LIMIT OF DISTURBANCE

PROPOSED TREE LINE

EX. EDGE OF PAVING

RELOCATED MD. RTE. 32

VEHICULAR INGRESS AND EGRESS RESTRICTED

MARYLAND STATE HIGHWAY ADMINISTRATION PLAT No. 300 R.O.W.

N 487,800.00

E 844,200.00

N 487,200.00

E 843,900.00

B-3

B-14

B-13

B-12

B-2

EL 90.0

EL 310

EL 300

EL 290

EL 280

EL 270

EL 260

EL 250

EL 240

EL 230

EL 220

EL 210

EL 200

EL 190

EL 180

EL 170

EL 160

EL 150

EL 140

EL 130

EL 120

EL 110

EL 100

EL 90

EL 80

EL 70

EL 60

EL 50

EL 40

EL 30

EL 20

EL 10

EL 0

E.G.U. SUBDIVISION
PARCEL B-3
WASHINGTON APPLIANCE WHOLESALERS, INC
1076/0175

E.G.U. SUBDIVISION
PARCEL A-3
PLAT NO. 6725
ZONE: NT

F-90-31
F 89-11
FDP 156-A
SDP 84-58
S 88-107

SEDIMENT CONTROL LEGEND

- SCE
- LIMIT OF DISTURBANCE
- EMBANKMENT DIKE
- EARTH DIKE
- SILT FENCE —S—S—
- INLET PROTECTION

- Existing Deciduous Trees
- Proposed Building Setbacks
- Existing Contours
- Proposed Contours
- Proposed Sanitary Line
- Proposed Storm Drainage Line
- Proposed Water Line
- ZONING LINE
- PREVIOUS SUBMISSION LINE
- LIMIT OF SUBMISSION
- TRAFFIC DIRECTION ARROW
- B-14 SOIL BORING
- Existing Fire Hydrant
- Proposed Fire Hydrant
- Proposed Inlet
- Proposed Dumpster and Dumpster Pad
- Transformer Pad
- Reverse Curb and Gutter
- Overhead Lighting
- TRANSITION PAVEMENT SECTION
- EXISTING SPOT GRADE
- PROPOSED SPOT GRADE
- EXISTING TREES TO REMAIN
- EXISTING TREES TO BE REMOVED

REMOVE SILT FENCE AT OUTLET OF SWM/SEDIMENT CONTROL FACILITY UPON COMPLETION OF POND

APPROXIMATE LIMIT OF WETLANDS

24" FROM POINT A TO NEAREST SANITARY SEWER MANHOLE

TEMPORARY SEDIMENT CONTROL BASIN

DRAINAGE AREA TO BASIN	2.59	AC.
SEDIMENT STORAGE VOLUME REQ'D	1.73	C.Y.
SEDIMENT STORAGE VOL. PROVIDED	1.73	C.Y.
STORAGE DEPTH	1.7	
SEDIMENT STORAGE ELEVATION	297.90	
BOTTOM ELEVATION	296.20	
SEDIMENT ELEVATION	297.20	
SEDIMENT CLEAN-OUT ELEVATION		
BASIN CLASS	A	

STORM WATER MANAGEMENT AS-BUILT CERTIFICATION

RICHARD L. OMBERGER PE #10568

ROBERT RUSSELL MARMON No. 10537 REGISTERED PROFESSIONAL ENGINEER

STATE OF MARYLAND

VICINITY MAP

SCALE 1" = 2000'

TAKE TEHORS, PATUXENT, LAND, SNOWDEN RIVER PKWY, MD RTE 1, GUILFORD, GUILFORD INDUSTRIAL CENTRE, SITE, GUILFORD ROAD

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

Joyce M Boyd Anderson 2/6/90
COUNTY HEALTH OFFICER — DATE

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

DIRECTOR — DATE 2/13/90
CHIEF, BUREAU OF ENGINEERING — DATE 2-12-90

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

PLANNING DIRECTOR — DATE 3.7.90
CHIEF, DIV. OF COMMUNITY PLANNING & LAND DEVELOPMENT — DATE 2/21/90

SEDIMENT CONTROL

BY THE DEVELOPER:

"I/WE 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 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 — 1-29-90 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."

Robert H. Marmon — 1-29-90 DATE
SIGNATURE OF ENGINEER

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

USDA SOIL CONSERVATION SERVICE — 2/8/90 DATE

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

Robert W. Zichum — 2-7-90 DATE
HOWARD S.C.D.

APPROVED
DPW
11-8-89
LS

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

ADDRESS CHART

LOT NUMBER	STREET ADDRESS

SUBDIVISION NAME		SECT./AREA	LOT/PARCEL
PLAT NO. OR L/F	BLOCK NO.	ZONE	TAX/ZONE MAP	ELEC. DIST.	CENSUS TR.
WATER CODE		SEWER CODE	

OWNER/DEVELOPER:
CHESAPEAKE RESOURCES, INC
12030 PARKLAWN DRIVE
ROCKVILLE, MARYLAND 20850

No.	REVISION	DATE	BY
1	REV BLDGS. 20 & 21 - 24' DRIVE AISLE	2/5/90	KRM
2	REV WETLANDS & 25' BUFFER	4/30/91	KRM
3	AS-BUILT OF SWM FACILITY	12/16/91	DMB

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

SEDIMENT CONTROL / SWM PLAN

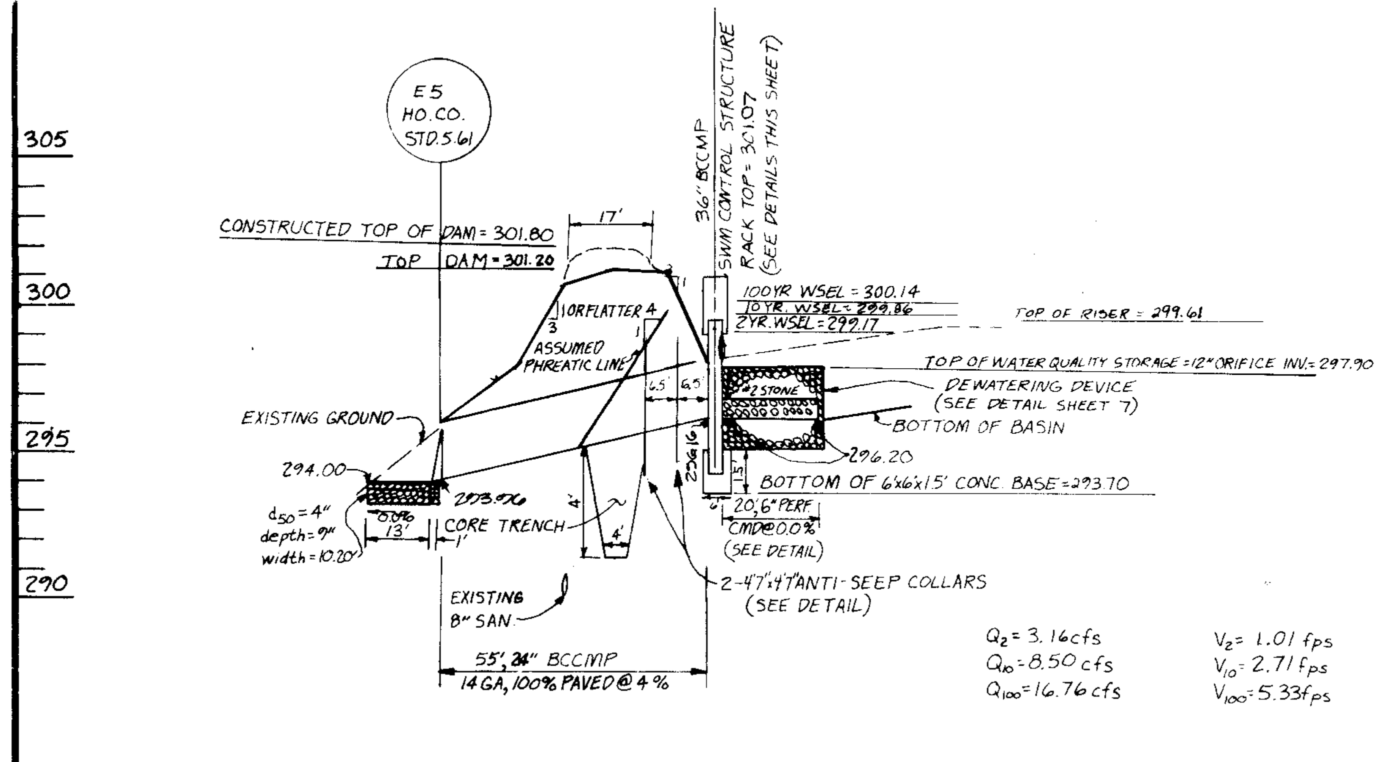
THE VAULT - COLUMBIA

ADDITION TO EXISTING MINI-WAREHOUSE FACILITY

TAX MAP NO. 42 E.G.U. SECTION 2, AREA 8, PARCEL D PARCELS 386 395
ZONE M-1/NT (New Town-Employment Center Industrial) ZONING MAP 42
ELECTION DISTRICT 6 HOWARD COUNTY, MARYLAND

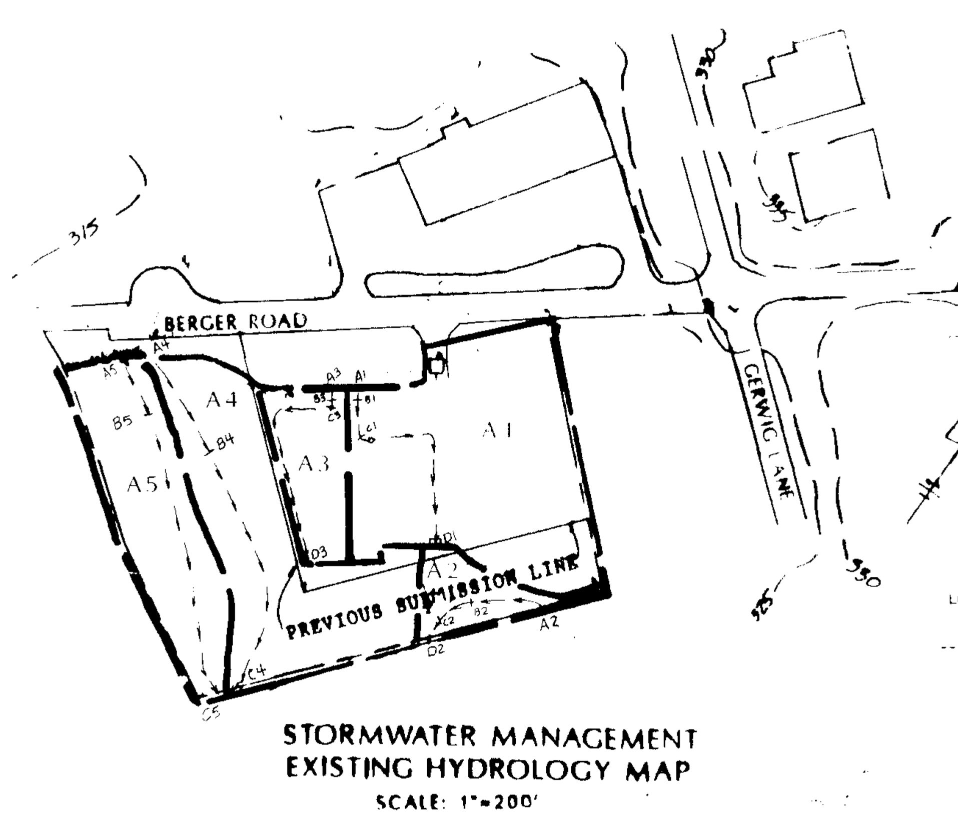
TJW DESIGN	SCALE	1" = 30'	
KRM DRAWN	SHEET	5	OF 8
RHM CHECKED			
4/26/89 DATE	JOB No.		FILE No. 1134-X

AS-BUILT 12/16/91 SDP-89-267 B-14



PROFILE THRU PRINCIPAL SPILLWAY

SCALE: HORIZ. = 1"=30'
VERT. = 1=5'

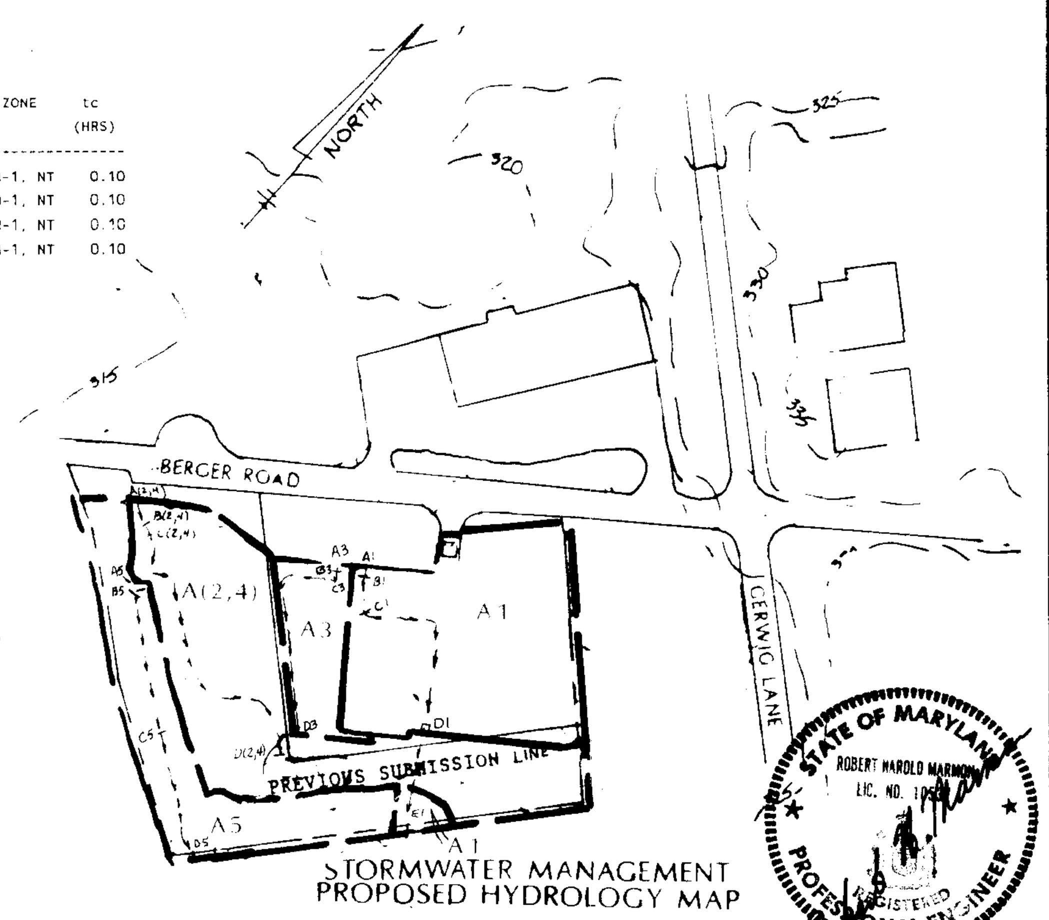


STORMWATER MANAGEMENT
EXISTING HYDROLOGY MAP

SCALE: 1"=200'

LOCAT.	AREA (AC)	RCN	ZONE	tc (HRS)
A1	2.07	92	M-1, NT	0.10
A2	0.32	78	M-1, NT	0.16
A3	0.50	98	M-1, NT	0.10
A4	1.46	80	M-1, NT	0.21
A5	1.13	79	M-1, NT	0.16

LOCAT.	AREA (AC)	RCN	ZONE	tc (HRS)
A1	1.90	94	M-1, NT	0.10
A(2,4)	2.09	93	M-1, NT	0.10
A3	0.50	98	M-1, NT	0.10
A5	0.79	82	M-1, NT	0.10



STORMWATER MANAGEMENT
PROPOSED HYDROLOGY MAP

SCALE: 1"=200'

SEDIMENT CONTROL & POND CONSTRUCTION

By the Developer:

"I/We certify that all development and/or construction will be done according to these plans, and that any responsible personnel involved in the construction project will have a Certification of Attendance at a Department of Natural Resources Approved Training Program for the Control of Sediment and Erosion before beginning the project. I will provide the Howard Soil Conservation District with an "as-built" plan of the pond within 30 days of completion. I also authorize periodic on-site inspection by the Howard Soil Conservation District."

Signature of Developer — Date

By the Engineer:

"I certify that this plan for pond construction, erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions. This plan was prepared in accordance with the requirements of the Howard Soil Conservation District. I have notified the developer that he must provide the Howard Soil Conservation District with an "as-built" plan of the pond within 30 days of completion."

Robert H. Marmon — 1-29-90
Signature of Engineer — Date

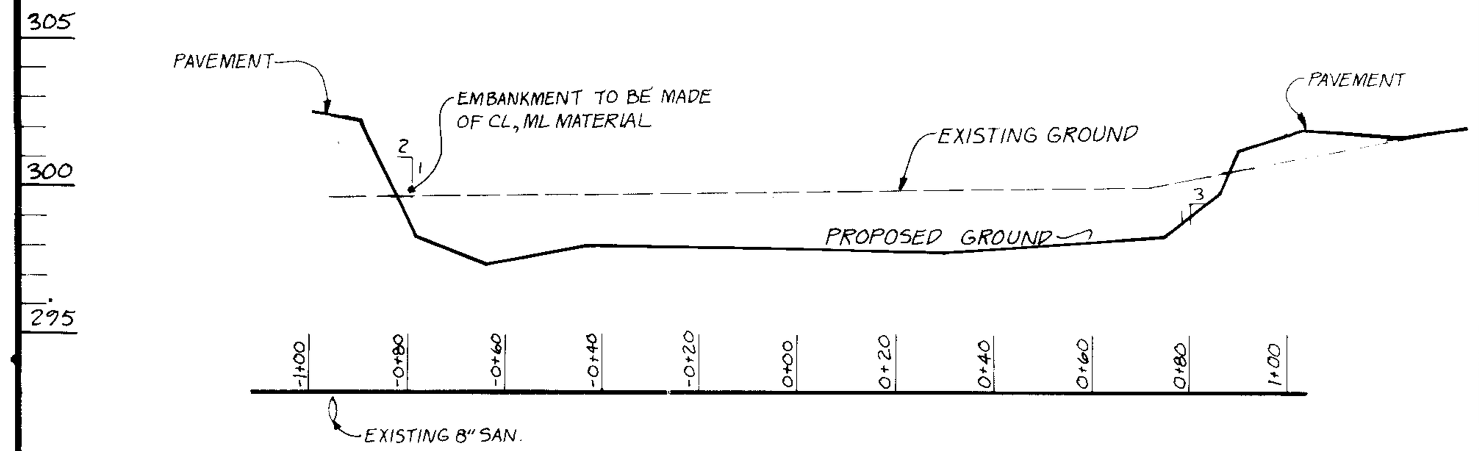
These plans have been reviewed for the Howard Soil Conservation District and meet the technical requirements for small pond construction, soil erosion and sediment control.

Soil Conservation Service — 2-8-90 Date

These plans for small pond construction, soil erosion and sediment control meet the requirements of the Howard Soil Conservation District.

Howard Soil Conservation District — 2-7-90 Date

STATE OF MARYLAND — ROBERT HAROLD MARMON — LIC. NO. 10590 — REGISTERED PROFESSIONAL ENGINEER



SECTION A-A

SCALE: HORIZ. = 1"=30'
VERT. = 1=5

NOTE:

1.) FILL TO BE COMPACTED TO A MINIMUM DEGREE OF COMPACTION OF 95% OF THE DRY UNIT WEIGHT AS DETERMINED BY A.A.S.H.T.O. T-99. CONSTRUCTION OF S.W.M. POND SHALL BE PERFORMED UNDER STRICT SUPERVISION OF THE SOILS ENGINEER.

2.) WHEN CONSTRUCTING DAM IN FILL SECTION CONTRACTOR SHALL ADD 15% FOR COMPACTION AND SETTLEMENT.

PERMANENT STORMWATER MANAGEMENT

1.	PROPOSED DRAINAGE AREA:	2.59 AC±
2.	BASIN CLASS:	A
3.	HEIGHT OF DAM:	3.2 FT
4.	TOP WIDTH OF DAM:	6 FT
5.	SIDE SLOPES OF DAM:	2:1 DOWNSTREAM, 3:1 UPSTREAM
6.	VOLUME PROVIDED:	0.4392 AC-FT
7.	TOP OF DAM:	301.20
8.	10 YR STORAGE ELEVATION:	299.86
9.	POND BOTTOM ELEVATION:	296.20

CONSTRUCTION SPECIFICATIONS

I. SITE PREPARATION
The fill area and borrow area shall be cleared and grubbed to remove all trees, vegetation, roots and other objectionable material. The topsoil from the embankment area and borrow area shall be removed and stockpiled. The topsoil shall be spread on the complete fill area.

II. EARTH FILL
A) FILL MATERIAL shall be type CL or ML and be placed under the supervision of a soils engineer. It shall be free from roots, stumps, wood rubbish, oversized stones frozen or other objectionable material. Fill areas shall be constructed to the elevation shown on the plan to allow for anticipated settlement.
B) PLACEMENT: Areas on which fill will be placed shall be scarified prior the placement of fill. Fill materials shall be placed in layers 6" thick maximum (before compaction) and shall be continuous over the entire length of fill. The most porous material shall be placed in areas not adjacent to ponded water.
C) COMPACTION: The movement of the hauling and spreading equipment over the fill shall be controlled so that the entire surface of each lift shall be compacted to the specified density. Fill material shall contain sufficient moisture so that the required degree of compaction can be obtained with the equipment used.
D) CORE TRENCH shall be made of SC or CL material compacted to 95% of A.A.S.H.T.O. T-99 density.

III. STRUCTURAL BACKFILL
Backfill material shall be the type and quality specified for the adjoining fill material. The fill shall be placed in horizontal layers 4" thick maximum and compacted by hand tamping or manually directed power tampers or plate vibrators. At no time during backfilling operations shall driven equipment by allowed to operate any closer than four feet measured horizontally to any part of a structure. Under no circumstances shall the contractor drive over any part of a concrete structure or pipe. Materials shall fill completely all spaces under and adjacent to newly installed pipe.

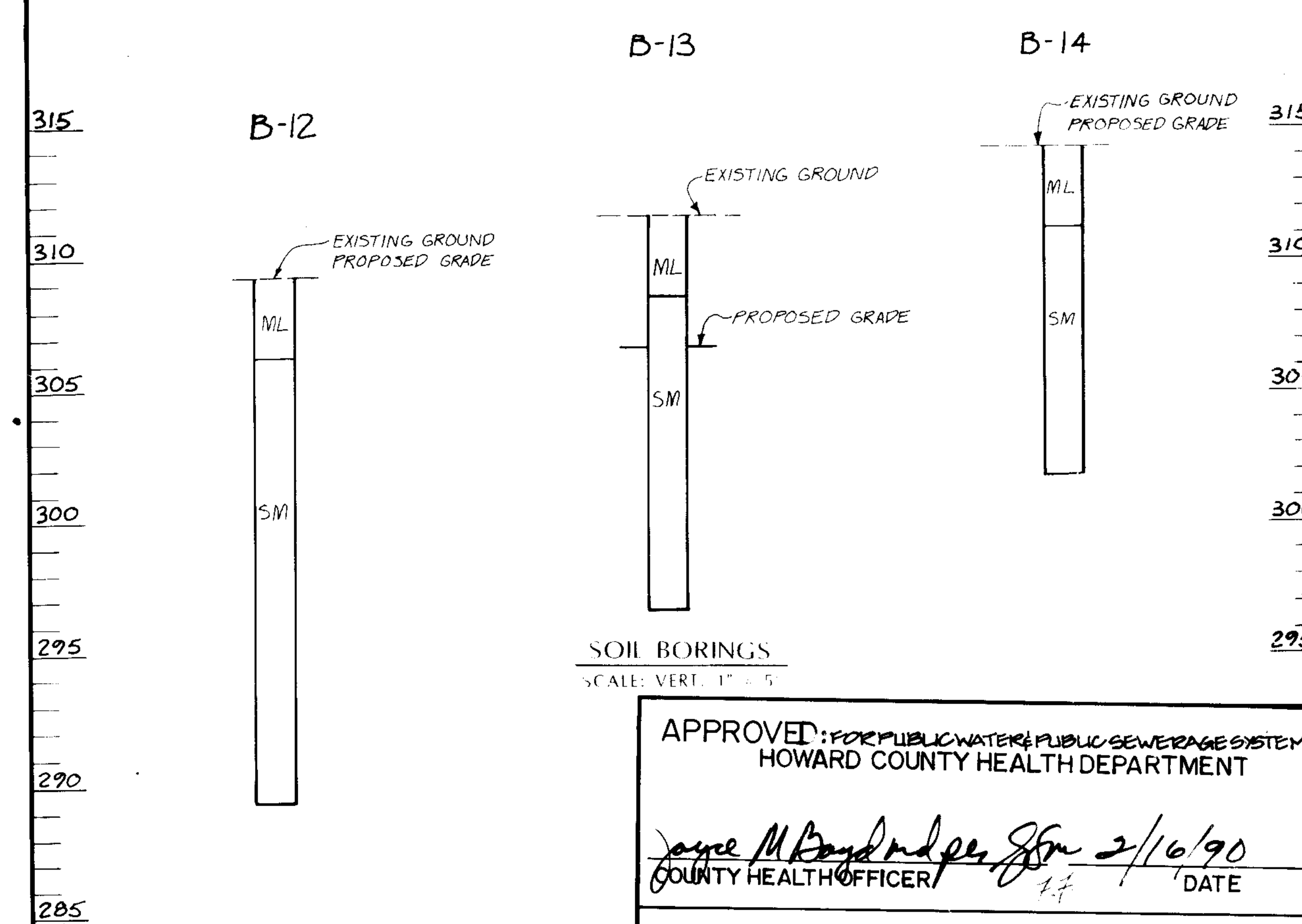
IV. CONCRETE
Concrete shall meet the minimum requirements set forth in the Maryland State Highway Administration "Specifications for Construction and Materials" January 1982 Section 918.06 - "Portland Cement Concrete Mixtures", Mix No. 3 Reinforcing Steel shall be A.S.T.M. A 615, Grade 60.

V. STABILIZATION
The storm water management facility will be stabilized with "Permanent Slope Seeding as follows:
After spreading 4" topsoil seed with mixture of 30% innoculated crown vetch and 70% Kentucky 31 Tall Fescue applied at a rate of 60 lbs./Ac., 10-20-20 fertilizer shall be applied at a rate of 25 lbs./1000 square feet, lime at a rate of 92 lbs./1000 square feet, mulch area with unweathered small grain straw at a rate of 1.5 T/Ac., anchor with rapid curing asphalt (R.C.-250 or R.C.-800) at a rate of 0.1 Gal. S.Y.

VI. PIPE CONDUITS
B.C.C.M.P., Type C-1, 100% Lined.
A) Corrugated Metal Pipe
1. Materials - (Steel Pipe) - This pipe and its appurtenances shall be galvanized and fully bituminous coated and shall conform to the requirements of AASHTO Specifications M-90 with watertight coupling bands. Any bituminous coating damaged or otherwise removed shall be replaced with cold applied bituminous coating compound.
2. Connections - All connections with pipes must be completely watertight. The drain pipe or barrel connection to the riser shall be welded all around when the pipe and riser are metal. Watertight coupling bands or flanges shall be used at all joints. Anti-seep collars shall be connected to the pipe in such a manner as to be completely watertight. Dimple bands are not considered to be watertight.
3. Bedding - The pipe shall be firmly and uniformly bedded throughout its entire length. Where rock or soft, spongy or other unstable soil is encountered, all such material shall be removed and replaced with suitable earth compacted to provide adequate support.
4. Laying pipe - The pipe shall be placed with inside circumferential laps pointing downstream and with the longitudinal laps at the sides.
5. Backfilling shall conform to structural backfill as shown above.
6. Other details (anti-seep collars, valves, etc.) shall be as shown on the drawings.

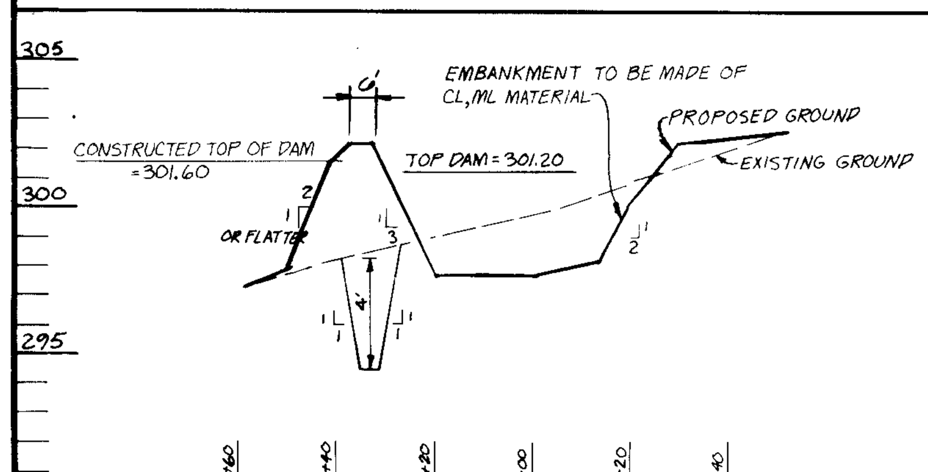
VII. FILTER CLOTH
MIRAFI 140S or equivalent shall be used.

VIII. SEDIMENT CONTROL
Construction to be in accordance with "1983 Maryland Standards and Specifications For Soil Erosion and Sediment Control". In release structure install dewatering device by connecting 25 L.F. of 12" perforated underdrain to the low flow pipe. The 12" underdrain shall be wrapped in filter cloth and covered with minimum 12" thick #2 stone.



SOIL BORINGS

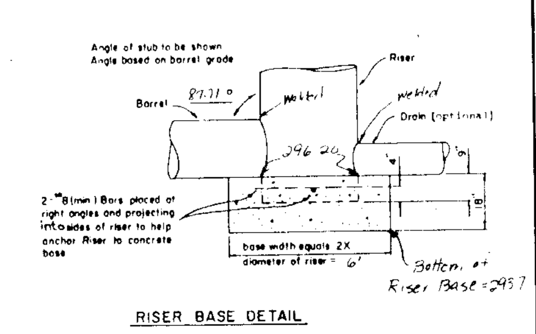
SCALE: VERT. 1" = 5'



SECTION B-B

SCALE: HORIZ. 1"=30'
VERT. 1"=5'

Note: Top of Riser Elevation = 295.20

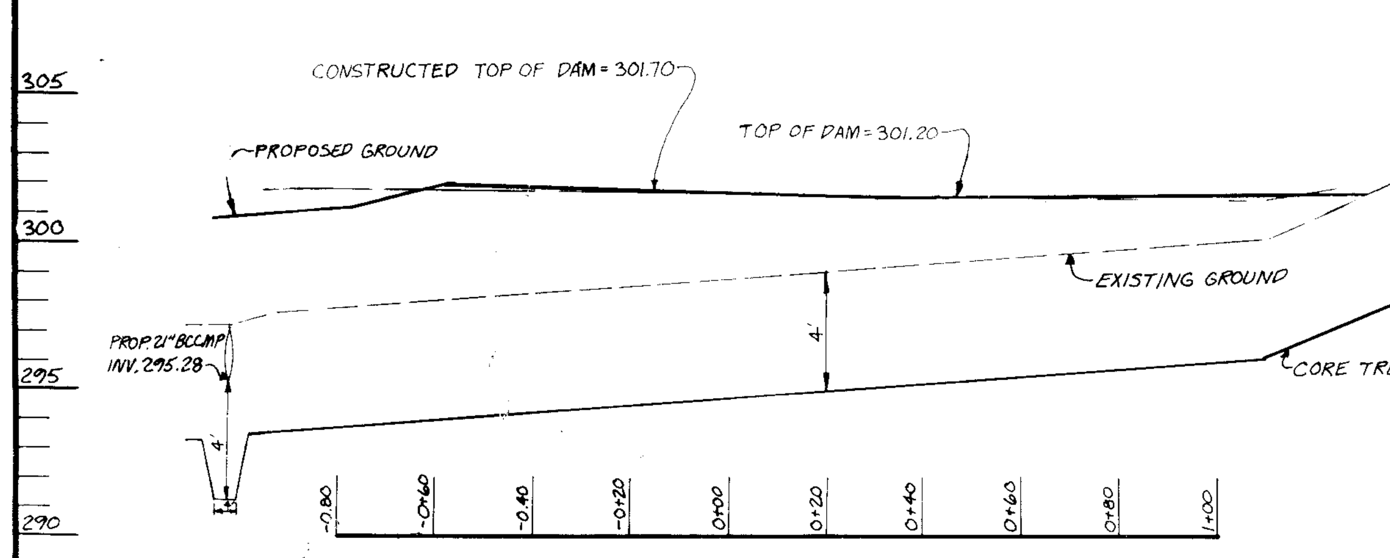


RISER BASE DETAIL

NOTES

1. The concrete base shall be poured in such a manner to insure that the concrete fills the bottom of the riser to the invert of the outlet pipe to prevent the riser from breaking away from the base.
2. With aluminum or aluminized pipe, the embedded section must be painted with zinc chromate or equivalent.
3. Riser base may be sized as computed using floatation with a factor of safety of 1.2.

Base Dimensions = 6'x6'x1.5'



PROFILE ALONG ℄ BASIN DAM

SCALE: HORIZ. 1"=30'
VERT. 1"=5'

STORM WATER MANAGEMENT AS-BUILT CERTIFICATION

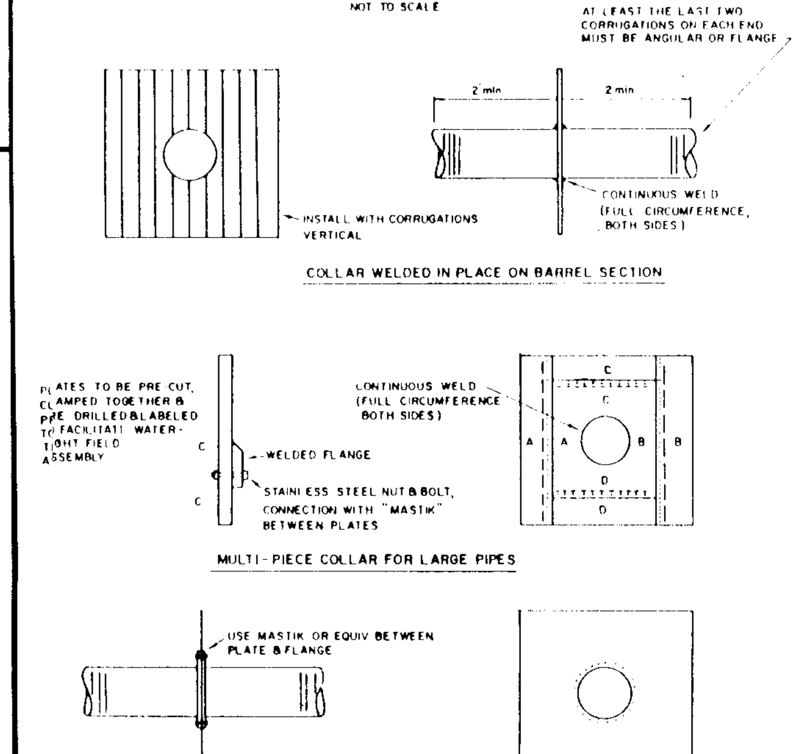
Richard L. Umbarger 1/10/92

RICHARD L. UMBARGER P.E. #10568

STATE OF MARYLAND — RICHARD L. UMBARGER — No. 10568 — REGISTERED PROFESSIONAL ENGINEER

TYPICAL ANTI-SEEP COLLARS

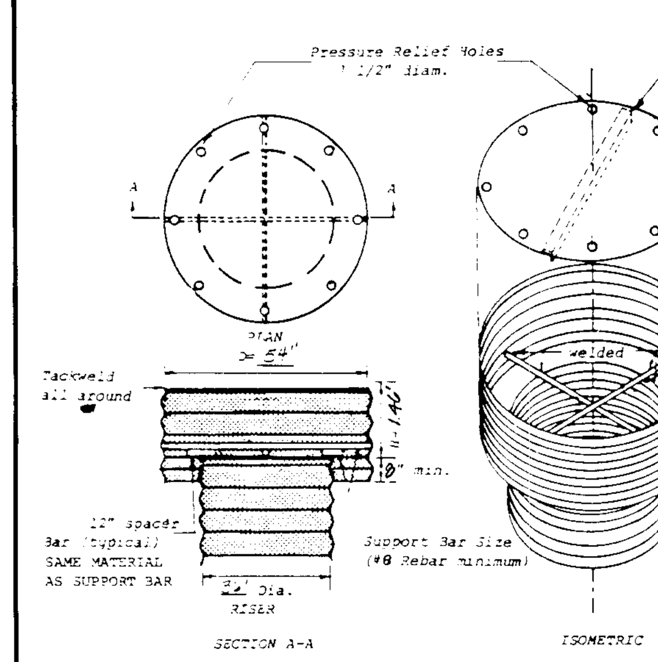
NOT TO SCALE



COLLAR WELDED IN PLACE ON BARREL SECTION

MULTI-PIECE COLLAR FOR LARGE PIPES

COLLAR FOR FLANGE JOINT PIPE



Top stiffener (if required) is N/A x __ x __ angle welded to top and oriented perpendicular to corrugations.

Top is 12 gage corrugated metal or 1/8" steel plate. Pressure relief holes may be ommitted, if ends of corrugations are left fully open when corrugated top is welded to cylinder.

Cylinder is 14 gage corrugated metal pipe or fabricated from 1/8" steel plate.

Notes:
1) The cylinder must be firmly fastened to the top of the riser.
2) Support bars are welded to the top of the riser or attached by straps bolted to top of riser.

CONCENTRIC TRASH RACK AND ANTI-VORTEX DEVICE
(not to scale)

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

Joyce M Baydendorfer — 2/16/90
COUNTY HEALTH OFFICER — DATE

11-8-89
LS

APPROVED: HOWARD COUNTY DEPT. OF PUBLIC WORKS

CHIEF, BUREAU OF ENGINEERING — 2-12-90 DATE
Director — 2/13/90 DATE

DIRECTOR — 3.7.90 DATE
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
CHIEF, DIV. OF COMMUNITY PLANNING AND LAND DEVELOPMENT — DATE
LS

OWNER/DEVELOPER:

CHESAPEAKE RESOURCES, INC.
12030 PARKLAWN DRIVE
ROCKVILLE, MARYLAND 20850

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

S.W.M. NOTES AND DETAILS

THE VAULT - COLUMBIA

ADDITION TO EXISTING MINI WAREHOUSE FACILITY

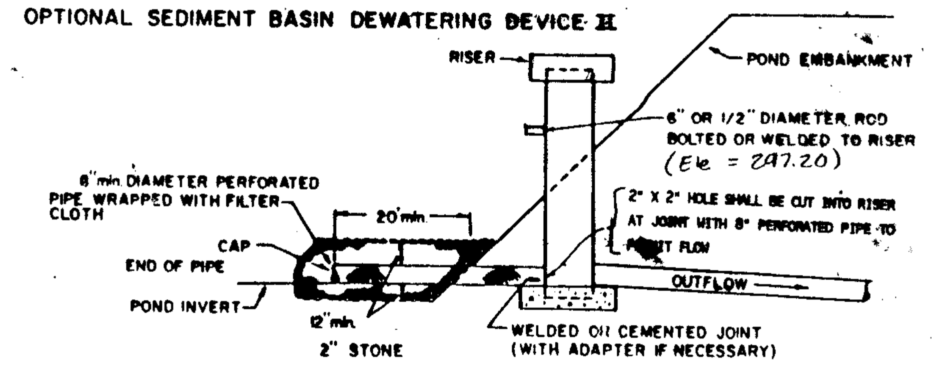
TAX MAP NO.42 — PARCELS 386,395
ZONE: M-1/NT — ZONING MAP 42
ELECTION DISTRICT 6 — HOWARD COUNTY, MARYLAND

T.J.W. DESIGN	SCALE AS SHOWN
R.E.G. DRAWN	6 OF 8
R.H.M. CHECKED	SHEET
7-24-89 DATE	JOB No. / FILE No.

AS-BUILT 12/16/91 SDP-89-257

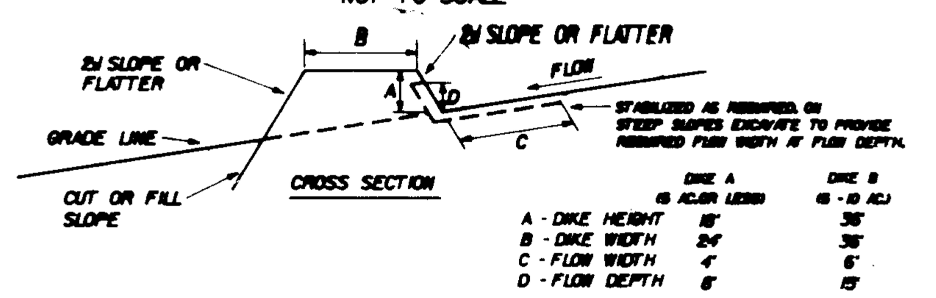
145856

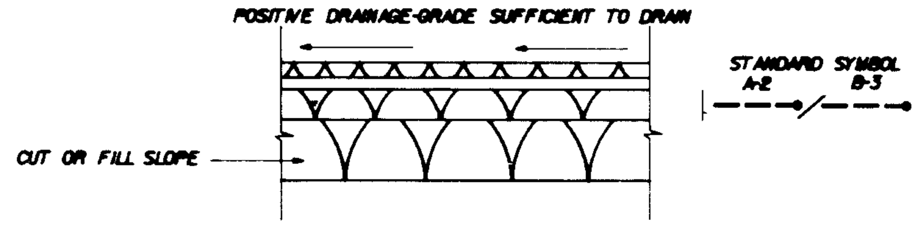
OPTIONAL SEDIMENT BASIN DEWATERING DEVICE II



EARTH DIKE

NOT TO SCALE





CONSTRUCTION SPECIFICATIONS

1. ALL DIKES SHALL BE COMPACTED BY EARTH MOVING EQUIPMENT.
2. ALL DIKES SHALL HAVE POSITIVE DRAINAGE TO AN OUTLET.
3. TOP WIDTH MAY BE WIDER AND SIDE SLOPES MAY BE FLATTER IF DESIRED TO FACILITATE CROSSING BY CONSTRUCTION TRAFFIC.
4. FIELD LOCATION SHOULD BE ADJUSTED AS NEEDED TO UTILIZE A STABILIZED SAFE OUTLET.
5. EARTH DIKES SHALL HAVE AN OUTLET THAT FUNCTIONS WITH A MINIMUM OF EROSION. RUNOFF SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE SUCH AS A SEDIMENT TRAP OR SEDIMENT BASIN WHERE EITHER THE DIKE CHANNEL OR THE DRAINAGE AREA ABOVE THE DIKE ARE NOT ADEQUATELY STABILIZED.
6. STABILIZATION SHALL BE: (A) IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR SEED AND STRAW MULCH OR STRAW MULCH IF NOT IN SEEDING SEASON, (B) FLOW CHANNEL AS PER THE CHART BELOW.

FLOW CHANNEL STABILIZATION

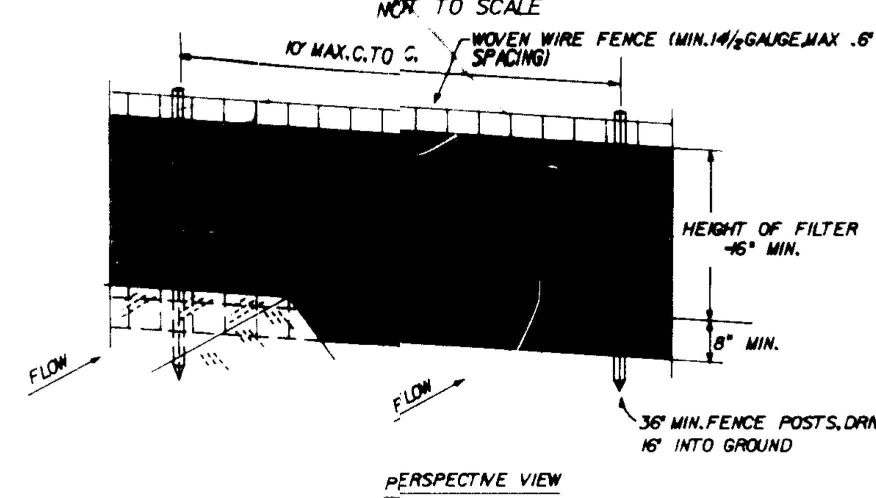
TYPE OF TREATMENT	CHANNEL GRADE	DIKE A	DIKE B
1	.5-3.0%	SEED AND STRAW MULCH	SEED AND STRAW MULCH
2	3.1-5.0%	SEED AND STRAW MULCH	SEED USING JUTE, OR 2" STONE
3	5.1-8.0%	SEED WITH JUTE, OR 2" STONE	LINED RIP-RAP 4-8"
4	8.1-20%	LINED RIP-RAP 4-8"	ENGINEERING DESIGN

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 4-6 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.

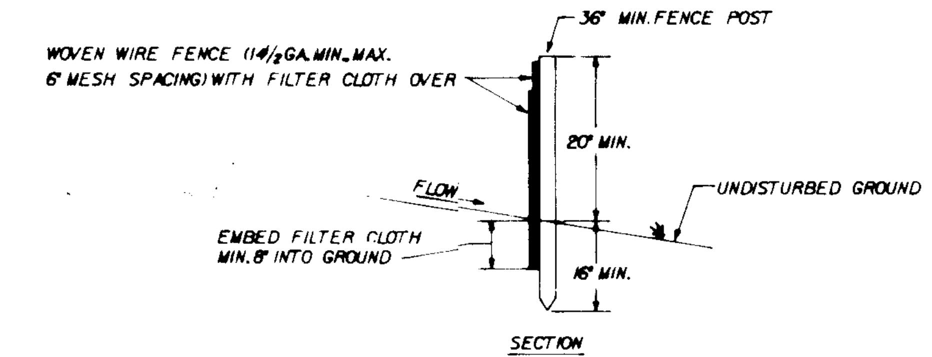
7. PERIODIC INSPECTION AND REQUIRED MAINTENANCE MUST BE PROVIDED AFTER EACH RAIN EVENT.

SILT FENCE

NOT TO SCALE



PERSPECTIVE VIEW



SECTION

CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

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

POSTS: STEEL EITHER T OR U TYPE OR 2" HARDWOOD

FENCE: WOVEN WIRE, 14 GA. 6" MAX. MESH OPENING

FILTER CLOTH: FILTER X, MIRAFI 100X, STABILINKA T140N OR APPROVED EQUAL

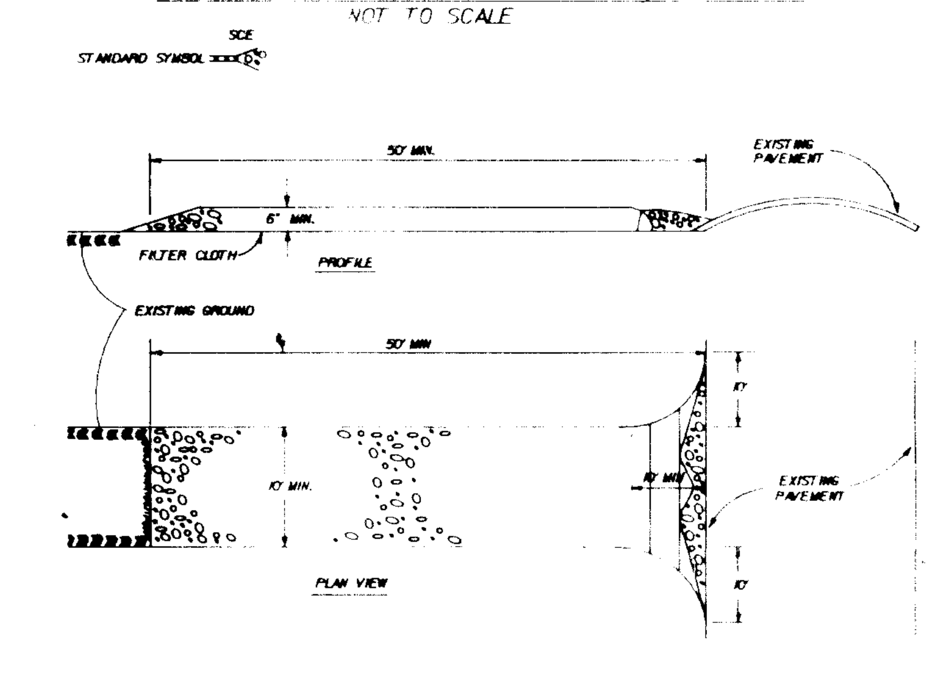
PREFABRICATED UNIT: GEOFAB, ENVIROFENCE, OR APPROVED EQUAL

SEDIMENT CONTROL NOTES

1. A MINIMUM OF 24 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY OFFICE OF INSPECTION AND PERMITS PRIOR TO THE START OF ANY CONSTRUCTION.
2. 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.
3. FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TENPORARY STABILIZATION SHALL BE COMPLETED WITHIN: A) 7 CALENDAR DAYS FOR ALL PERMINENT SEDIMENT CONTROL STRUCTURES, DIKES, PERMINENT SLOPES AND ALL SLOPES GREATER THAN 3:1 B) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
4. ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. I, CHAPTER 12, OF HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
5. ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECOIFIED ABOVED IN ACCORDANE WITHIN THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMINENT SEEDINGS (SEC. 51) SOD (SEC. 54), TEMPORARY SEEDING (SEC. 50) AND MULCHING (SEC. 52) TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECCOMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
6. ALL SEDIMENT CONTROL STRUCTURES ARE YO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOPWARD COUNTY SEDIMENT CONTROL INSPECTOR.
7. SITE ANALYSIS:
   - TOTAL AREA OF SITE 6.16 AC±
   - AREAS DISTURBED 3.15 AC±
   - AREA TO BE ROOFED OR PAVED 2.01 AC±
   - AREA TO BE VEGETATIVELY STABILIZED 1.14 AC±
   - TOTAL CUT 5,653 CU. YDS.
   - TOTAL FILL 3,480 CU. YDS.
   - OFFSITE WASTE/ AREA LOCATION:
8. ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
9. ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY DPW SEDIMENT CONTROL INSPECTOR.
10. ON ALL SITES WITH DISTURBEDAREAS 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.

STABILIZED CONSTRUCTION ENTRANCE

NOT TO SCALE



CONSTRUCTION SPECIFICATIONS

1. STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH - AS REQUIRED, BUT NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
3. THICKNESS NOT LESS THAN SIX (6) INCHES.
4. WIDTH - TEN (10) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
5. FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE. FILTER CLOTH WILL NOT BE REQUIRED ON A SINGLE FAMILY RESIDENCE LOT.
6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAYS. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

F-90-31
FDP 156-A
SDP 84-58
S-88-107
F-89-11

SUBDIVISION NAME			SECT./AREA		LOT/PARCEL
E.G.U. SECTION 2 AREA 8			2/8		PAR 386,395
PLAT NO. OR L/F	BLOCK NO.	ZONE	TAX/ZONE MAP	ELEC. DIST.	CENSUS TR.
[illegible]	9	M-1 NT	42	6	6061.03
WATER CODE			SEWER CODE		

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS & PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
[signature] DIRECTOR — 2/13/90 DATE
[signature] CHIEF, BUREAU OF ENGINEERING — 2-12-90 DATE

APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT
Joyce M Boyd [signature] COUNTY HEALTH OFFICER — 2/16/90 DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
[signature] PLANNING DIRECTOR — 3.7.90 DATE
[signature] CHIEF, DIV. OF COMMUNITY PLANNING & LAND DEVELOPMENT — 2/28/90 DATE

SEDIMENT CONTROL

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."
[signature] 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."
Robert H. Mason — Signature of Engineer — 1-29-90 Date

Reviewed for Howard S.C.D. and meets Technical Requirements.
[signature] Soil Conservation Service — 2-8-90 Date

This development plan is approved for soil erosion and sediment control by the Howard Soil Conservation District.
[signature] Howard S.C.D. — 2-7-90 Date

APPROVED ... DATE 11-8-89

STATE OF MARYLAND — ROBERT HAROLD MASON — LIC. NO. 10537 — PROFESSIONAL ENGINEER

SEQUENCE OF CONSTRUCTION

1. Obtain grading permit and 404, 401 Water Quality Certification if required.
2. Construct stabilized construction entrances as shown on the plan.
3. Place silt fence as shown on plan.
4. Construct SWM/sediment control facility, then construct embankment and earth dikes.
5. Install inlet protection on existing triple WR inlet as per plans.
6. Rough grade site, providing positive drainage to the SWM/sediment control facility. Remove existing curb at existing edge of paving.
7. Sediment shall be removed from the SWM/sediment control facility when the cleanout elevation (297.20) is reached.
8. The contractor shall inspect and provide necessary maintenance on the sediment and erosion control structures shown hereon, after each rainfall and on a daily basis.
9. Fine grade site.
10. Proceed with the paving operations.
11. Upon final stabilization of the drainage area, regrade SWM facility to final dimensions and on a two day dry weather forecast, remove accumulated sediment. Replace de-watering device if deemed necessary by sediment control inspector.
12. Upon approval by the sediment control inspector remove sediment control devices.

NOTE A

PERMANENT SEEDING NOTES: (FOR ALL 2:1 OR GREATER SLOPES)

ALL 2:1 sloped areas shown shall be permanently seeded with and stabilized in accordance with the Maryland State Highway Specifications for Construction and Materials as follows:

1. Loosen subsoil to a depth of 1 inch on all slopes of 3:1 or greater.
2. Apply ground limestone at a rate of 2.5 tons/acre as specified for slopes of 3:1 or greater.
3. Apply the following certified seed mix as follows:

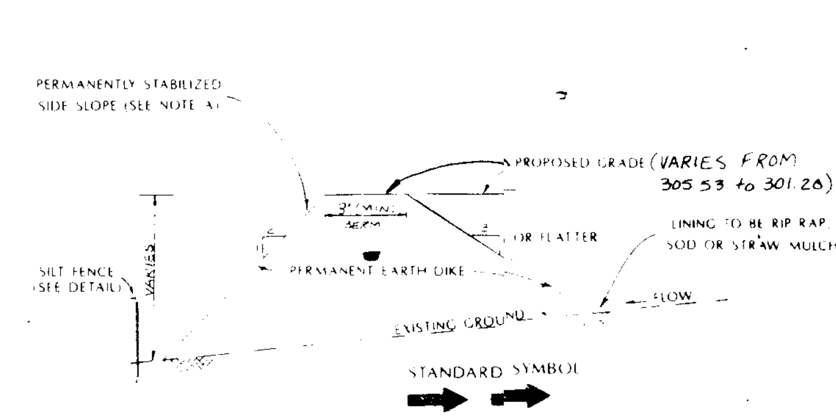
75% Kentucky 31 Tall Fescue 5% Redtop 10% Canada Bluegrass 10% Kentucky Bluegrass	75 lbs./acre
mixed with Crown Vetch	8 lbs./acre
mixed with Rye Grain (Abruzzi &/or Balboa	22 lbs./acre (for late fall seeding)

Application of seed mix, ground limestone, fertilizer, inoculant for crown and mulch shall be in accordance with section 701.03 03 of the MSHA SPECIFICATIONS. Spray method hydroseeding.

NOTE: Special attention shall be given to the requirements to the Crown Vetch seed preparation when using the hydroseeding method. Inoculant shall be increased 10 times when using this method, and holding times are limited. (see section 701.01.02)

Method of Measurement shall be as specified in section 701.04 MSHA SPECIFICATIONS

* See permanent seeding notes this sheet for minimum requirements



EMBANKMENT DIKE

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, if NOT PREVIOUSLY LOOSENED.

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

1. Preferred: Apply 2 tons per acre dolomitic limestone (92 lbs/1000 square ft) and 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft) before seeding. Harrow or disc into upper three inches of soil. At time of seeding, apply 400 lbs per acre 30-0-0 ureaform fertilizer (9 lbs/1000 sq ft) before seeding. Harrow or disc into upper three inches of soil.
2. Acceptable: Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq ft) and 1000 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 [illegible] thru April 30, and August [illegible] thru October 15, seed with 60 lbs per acre (1.4 lbs/1000 sq ft) of Kentucky 31 Tall Fescue. For the period May [illegible] thru August [illegible], seed with 60 lbs Kentucky 31 Tall Fescue per acre and 2 lbs per acre [illegible] lbs/1000 sq ft of weeping lovegrass. During the period of October [illegible] thru [illegible], protect site by: Option (1) 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring. Option (2) Use sod. Option (3) Seed with 60 lbs/acre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well anchored straw.

Mulching: Apply 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.

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

Seeding: For period March 1 thru April 30 and from August 15 thru November 15, seed with 2 1/2 bushel per acre of annual rye (3.2 lbs/1000 sq ft). For the period May 1 thru August 14, seed with 3 lbs per acre of weeping lovegrass (.07 lbs/1000 sq ft). For the period November 16 thru February 28, protect site by applying 2 tones 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) for anchoring.

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

OWNER/DEVELOPER:
CHESAPEAKE RESOURCES, INC.
12030 PARKLAWN DRIVE
ROCKVILLE, MARYLAND 20850

NO.	REVISION	DATE	BY

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

SEDIMENT CONTROL AND SWM DETAILS

THE VAULT - COLUMBIA

ADDITION TO EXISTING MINI WAREHOUSE FACILITY

TAX MAP NO. 42 E.G.U. SECTION 2, AREA 8, PARCEL D PARCELS 386,395
ZONE: M-1/NT ZONING MAP 42
ELECTION DISTRICT 4 HOWARD COUNTY, MARYLAND

T.J.W. DESIGN — SCALE
R.E.G. DRAWN
R.H.M. CHECKED — SHEET 7 of 8
7-27-89 DATE — JOB NO. 1134-X

SDP-89-257

PLANT LIST

Quantity	Botanic Name	Common Name	Size	Trunk Clear	Min. Caliper	Remarks
10	Acer Rubrum	Red Maple	12 - 14'Ht.	6'	2 1/2"-3"	B&B
63	Pinus Strobus	White Pine	14' ht.			B&B underscored
	Quercus Palustris	Pin Oak	12 - 14'Ht.	6'	2 1/2"-3"	B&B

BERGER ROAD

EXISTING MINI-WAREHOUSE FACILITY
S.D.P.-84-58
PREPARED BY THE REMER GROUP
SEPTEMBER 8, 1988
Approved 2-1-89
ZONE: M-1

PARCEL 174
MINI STORAGE OF COLUMBIA
LIMITED PARTNERSHIP
994/0010

ZONE: M-1

E.G.U. SUBDIVISION
PARCEL B-3
WASHINGTON APPLIANCE
WHOLESALERS, INC.
1076/0175

E.G.U. SUBDIVISION
PARCEL A-3
1628/0434

ZONE: NT

BUILDING SETBACK LINE
PREVIOUS SUBMISSION LINE
ZONING LINE
PROPOSED TREE LINE
EXISTING EDGE OF PAVING
EDGE OF PAVING
METAL PICKET FENCE
PROP. 6'HT. CHAIN LINK FENCE SEE DETAIL V/
PROPOSED DUMPSTER PAD
EX. DUMPSTER TO BE RELOCATED
EXISTING 20' SEWER EASEMENT
20' WATER & SEWER EASEMENT

BUILDING 20
SLAB= 302.67
4790 SF

BUILDING 21
SLAB= 301.00
7560 SF

BUILDING C
SLAB ELEV= 307.4

BUILDING D
SLAB ELEV= 306.67

BUILDING
SLAB ELEV= 307.4

BUILDING
SLAB ELEV= 306.67 SLAB ELEV= 306.20

BUILDING
SLAB ELEV= 306.67 SLAB ELEV= 305.20

BLDG. 11

ZONE: M-1
ZONE: NT

RELOCATED MD. RTE. 32
ANNULAR
INCREASED EGRESS
RESTRICTED
STATE HIGHWAY ADMINISTRATION R/W NO. 60012
100' R.O.W.

EXISTING MATURE HARDWOOD TREES
Proposed Building Setbacks
Existing Contours
Proposed Contours
Proposed Sanitary Line
Proposed Storm Drainage Line
Proposed Water Line
EXISTING FIRE HYDRANT
Proposed Fire Hydrant
Proposed Inlet
Proposed Dumpster and Dumpster Pad
Transformer Pad
Reverse Curb and Gutter
Overhead Lighting
300.00 EXISTING GRADES

VICINITY MAP
1" = 2000'
SITE

APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT
Joyce M Boyd-Lapsley 2/16/90
HOWARD COUNTY HEALTH OFFICER DATE

APPROVED: FOR PUBLIC WORKS, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS & PUBLIC ROADS
HOWARD CO. DEPT. OF PUBLIC WORKS
DIRECTOR 2/13/90 DATE
CHIEF, BUREAU OF ENGINEERING 2-12-90 DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
PLANNING DIRECTOR 3.7.90 DATE
CHIEF, DIV. OF COMMUNITY PLANNING & LAND DEVELOPMENT 2/23/90 DATE LS

SEDIMENT CONTROL

BY THE DEVELOPER:
"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO PLAN AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED PUBLIC PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT."
"I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT."
Owner's Signature of Developer [illegible] DATE

BY THE ENGINEER:
"I CERTIFY THAT THE 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 SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.
U.S. SOIL CONSERVATION SERVICE DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR IMPLEMENTATION OF ALL SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
HOWARD S.C.D. DATE

11-8-89
LS

F-90-31
F 89-11
FDP 156-A
SDP 84-58
S 88-107

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

ADDRESS CHART

LOT NUMBER	STREET ADDRESS

SUBDIVISION NAME: E.G.U. SECTION 2 AREA 8
PLAT NO. OR L/F: 17811/0032, 17219/0074
BLOCK NO.: M
ZONE: NT
TAX MAP: 42
PARCEL: 6
WATER CODE:
SEWER CODE:
ELEC. DIST.:
CENSUS TR.:
SECT./AREA:
LOT/PARCEL: PARCEL 386.395

OWNER/DEVELOPER:
CHESAPEAKE RESOURCES, INC.
12030 PARKLAWN DRIVE
ROCKVILLE, MARYLAND 20852

No.	REVISION	DATE	BY
1	REV. BLDGS. 20 & 21 - 24' DRIVE AISLE	2/5/90	KEM
2	REV. WETLANDS & BUFFER	4/30/90	KRM

ENGINEERS ARCHITECTS PLANNERS SCIENTISTS SURVEYORS PHOTOGRAMMETRISTS
GREENHORNE & O'MARA, INC.
113 WEST ROAD, SUITE 206
BALTIMORE, MD. 21204
(301) 828-4100
ANNAPOLIS, MD ATLANTA, GA AURORA, CO CULPEPER, VA EXPORT, PA FAIRFAX, VA GREENBELT, MD MANASSAS, VA ROCKVILLE, MD RALEIGH, NC TAMPA, FL

LANDSCAPE PLAN
THE VAULT - COLUMBIA
ADDITION TO EXISTING MINI WAREHOUSE FACILITY
TAX MAP NO. 42 E.G.U. SECTION 2, AREA 8, PARCEL D PARCELS 386.395
ZONE: M-1/NT ZONING MAP 42
ELECTION DISTRICT 6 HOWARD COUNTY, MARYLAND

LLB DESIGN	SCALE 1" = 30
LLB DRAWN	8 OF 8
DBM CHECKED	SHEET
4/26/89 DATE	1134-X JOB No. / FILE No.

SDP-89-257