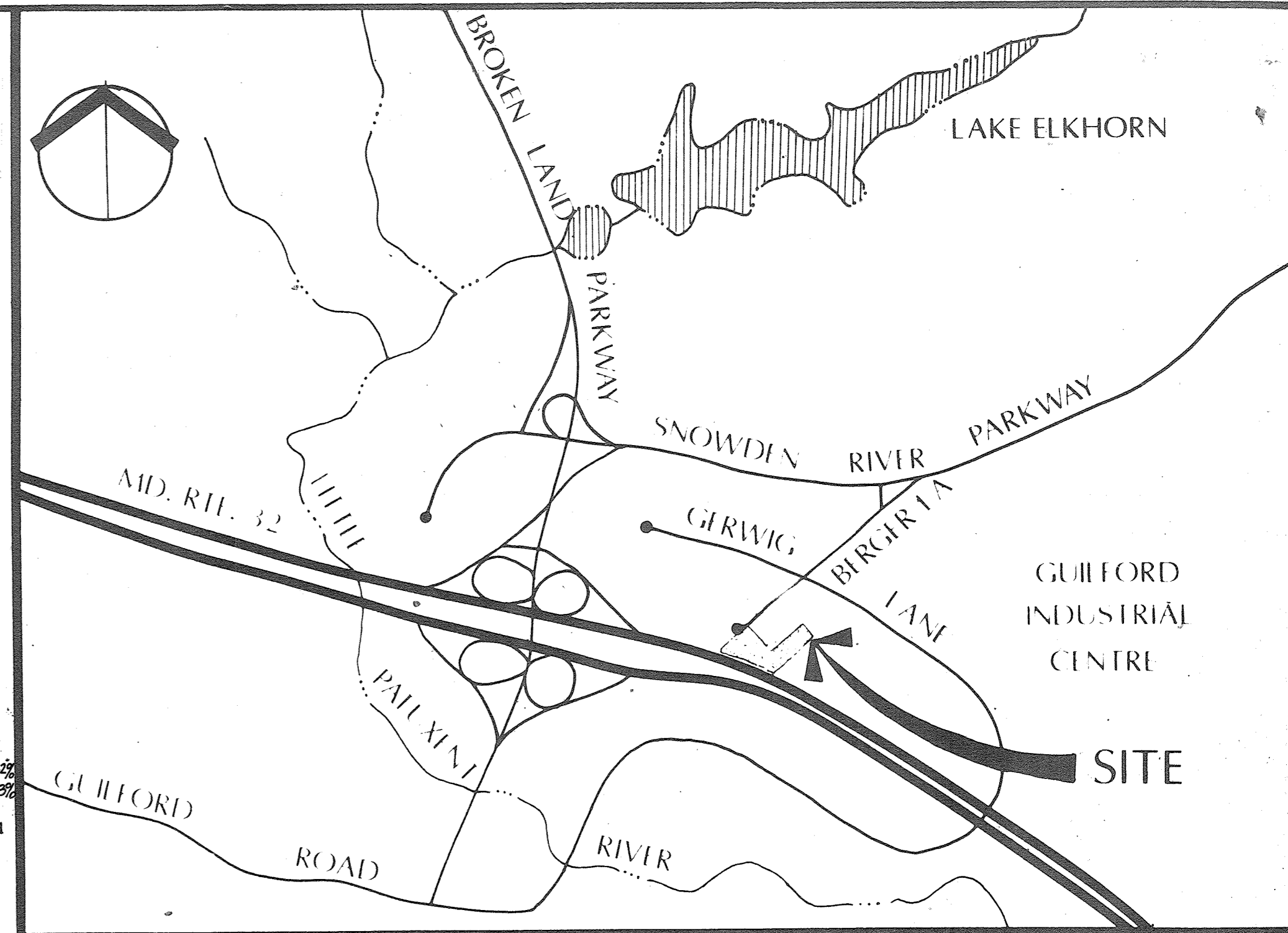


Site Data

Site Zoning	M-1 Zone 3.29 acres NF Zone 2.67 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	(one employee for both businesses) 1. Required parking ratio 1 space/employee and 3 visitor spaces 2. Parking required** 10+ spaces 3. Parking provided* 10+ spaces 4. Handicapped spaces required 1 space 5. Handicapped spaces provided* 1 space 6. Existing paved area 41,359.2 S.F. (15.41%) 7. Proposed paved area 60,178.6 S.F. (22.42%) 8. Total paved area 101,537.8 S.F. (37.83%)
*NOTE: All parking spaces, handicapped space and dumpster are provided at the existing mail storage facility. See sheet 2 of 8 for locations. Includes 6 spaces required for vehicle rental.	
** Additional 6 spaces required for vehicle rental, see calculation below.	
Open space data	1. Open space requirement 53,680 S.F. (20%)
Total paved area on site	101,537.8 S.F. (37.83%)
Total building coverage on site	69,670 S.F. (25.96%)
Total of building & paved area on site	171,207.8 S.F. (63.79%)
Total open space provided	97,192.2 S.F. (36.21%)

PROPOSED USE: Mini Storage and Vehicle Rental and Storage



VICINITY MAP

VEHICLE RENTAL FLEET PARKING:
Per Section 132.0.D.4.s of zoning regulations, vehicle rental require vehicle rental for 2 spaces per 1000 sf of building area = $\frac{1}{1000} \times 0 = 0$ spaces (no buildings are part of fleet use) plus one space per 1000 sf of 5918 sf of outdoor display area = $\frac{5918}{1000} \times 1 = 6$ spaces, plus 3 spaces per service bay = $\frac{3}{1000} \times 0 = 0$ spaces (no service bays are proposed).
Provided parking = 6 spaces at office
Provided Rental Vehicle Parking 16 spaces
1. Pickup Parking = 5 Spaces
2. 10' or 15' Box Truck Parking = 6 Spaces
3. 17' Truck Parking = 1 Space
4. 20' Truck Spaces = 1 Space
5. 26' Truck Parking = 3 Spaces

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

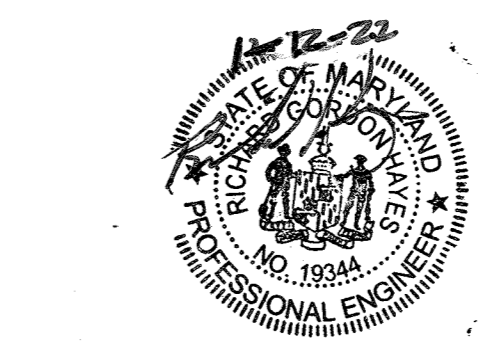
THE 4,373 SF IS LESS THAN 5,000 SF WHICH IS EXEMPT FROM PROVIDING STORMWATER MANAGEMENT. ANY FUTURE CUMULATIVE INCREASE THAT EXCEEDS 5,000 SHALL ADDRESS STORMWATER MANAGEMENT.

PER SECTION 3.2.4 OF THE FOREST CONSERVATION MANUAL, FOR A SDP WITH A LOD THAT IS LESS THAN 40,000 SF, THE APPLICANT MAY USE THE LOD AS THE NET TRACT AREA FOR CALCULATING THE FOREST CONSERVATION OBLIGATION. THE 4,373 SF LOD ASSOCIATED WITH REDLINE REVISION #1 DOES NOT RESULT IN A FOREST CONSERVATION OBLIGATION.

ALL CHANGES OUTLINED HERE ON 6/3/2021 ARE THE RESPONSIBILITY OF GPI.

GREENMAN-PEPERSSEN, INC.
ENGINEERS, ARCHITECTS, PLANNERS, CONSTRUCTION ENGINEERS & INSPECTORS
11000 BROKEN LANE PARKWAY, SUITE 500 COLUMBIA, MD 21044
WASH. (301) 470-2712 BALT. (410) 880-3855 FAX: (301) 490-2649 www.gpinet.com

GPI



Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.
License No. 19344, Expiration Date: 8/25/2023

THE PURPOSE OF THIS REDLINE REVISION IS TO ADD TRUCK RENTAL USE, ADD TRUCK FLEET PARKING, AND SHOW AS BUILT DOCUMENTATION OF ADDITIONAL 4,373 SF OF PAVED AND CONCRETE AREAS.

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

ADDRESS CHART		SUBDIVISION NAME		SECT./AREA	LOT/PARCEL
LOT NUMBER	STREET ADDRESS	THE VAULT COLUMBIA EGU SUBDIVISION	2/B		
PAR. D	9597 BERGER ROAD				

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

James M. ... 2/16/90
COUNTY HEALTH OFFICER DATE

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

James ... 2/13/90
DIRECTOR DATE

William ... 2-12-90
CHIEF, BUREAU OF ENGINEERING DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

WPA 3-7-90
PLANNING DIRECTOR DATE

... 2/23/90
CHIEF, DIV. OF COMMUNITY PLANNING & LAND DEVELOPMENT DATE

APPROVED
PLANNING & ZONING
HOWARD COUNTY

DATE: 11-8-89

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

OWNER DEVELOPER
CHESAPEAKE RESOURCES, INC.
12030 PARKWAY DRIVE
ROCKVILLE, MARYLAND 20850
Fort Knox Columbia Self Storage LLC.
1682 East Gude Dr. #201 Rockville, Md. 20850-5345

No	REVISION	DATE
1	ADDED TRUCK RENTAL USE AND PARKING	6/3/21, RH

ENGINEERS • ARCHITECTS • PLANNERS • SCIENTISTS • SURVEYORS • PHOTOGRAMMETRISTS

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

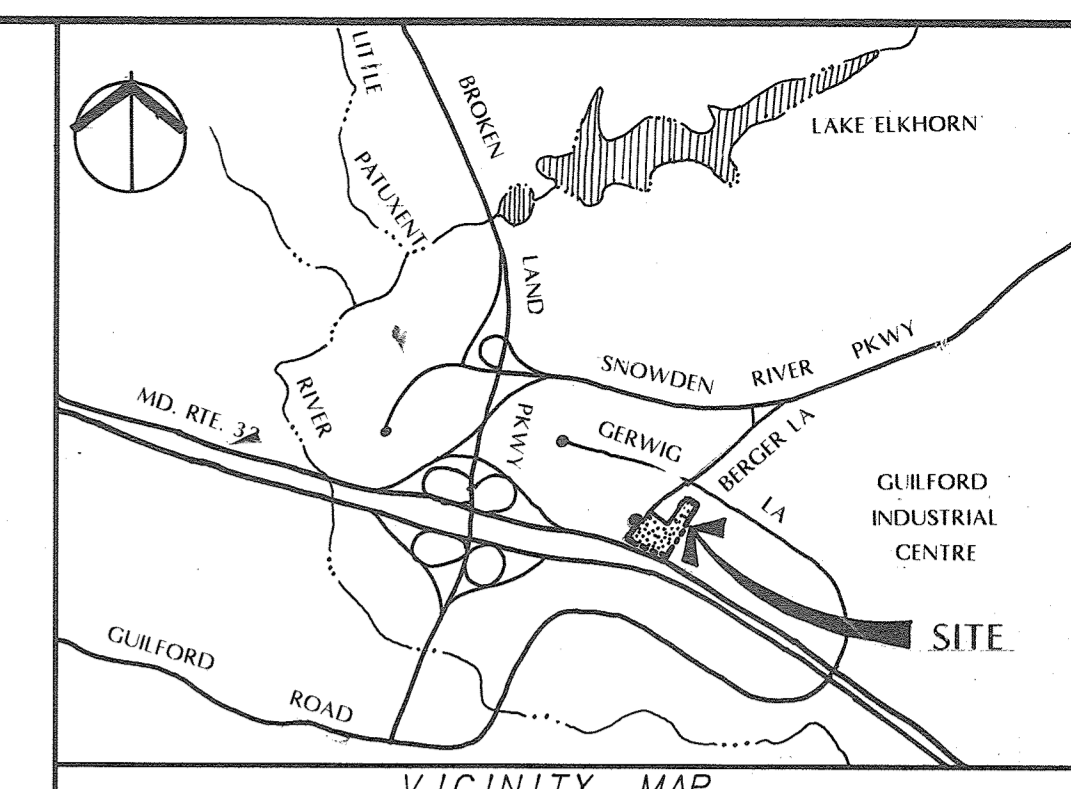
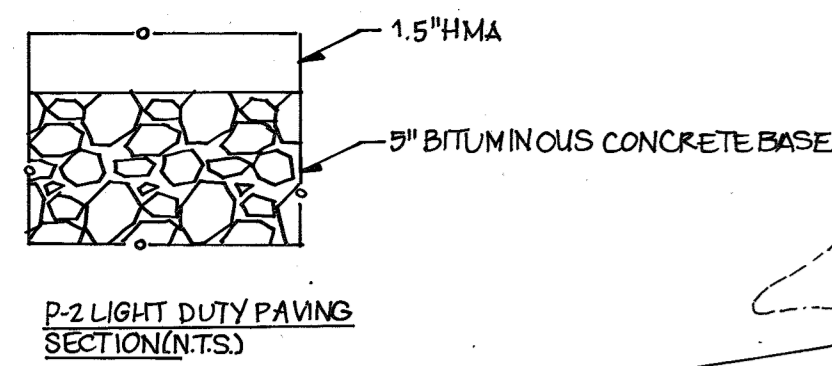
ANNAPOLIS MD • ATLANTA GA • AURORA CO • CULPEPER VA • DULUTH GA • EXPORT PA • FAIRFAX VA • GREENBELT MD
LEESBURG VA • MANASSAS VA • ORLANDO FL • RALEIGH NC • ROCKVILLE MD • TAMPA FL • WEST PALM BEACH FL

EGU SECTION 2 AREA 8 PARCEL D

THE VAULT - COLUMBIA
ADDITION TO EXISTING MINI WAREHOUSE FACILITY

PARCEL MAP NO. 42 E.G.U. SECTION 2, AREA 8, PARCEL D PARCELS 386, 395
ZONE M-1 INT (New Town-Employment Center Industrial) ZONING, MARYL 42.2
ELECTION DISTRICT 16 (HOWARD COUNTY, MARYLAND)

DATE: 4-26-89 JOB No. 1134-Y
FILE No.



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

Joyce M. Boyd 2/16/90
COUNTY HEALTH OFFICER DATE

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

James P. ... 4/2/90
DIRECTOR DATE
Debra ... 2-12-90
CHIEF, BUREAU OF ENGINEERING DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF
PLANNING & ZONING

Mark S. ... 3.7.90
PLANNING DIRECTOR DATE
Mark S. ... 2/25/90
CHIEF, DIV. OF COMMUNITY PLANNING & LAND DEVELOPMENT DATE

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 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
REVISED 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

Professional Certification: I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland. License No. 19344, Expiration Date: 8/25/2028.

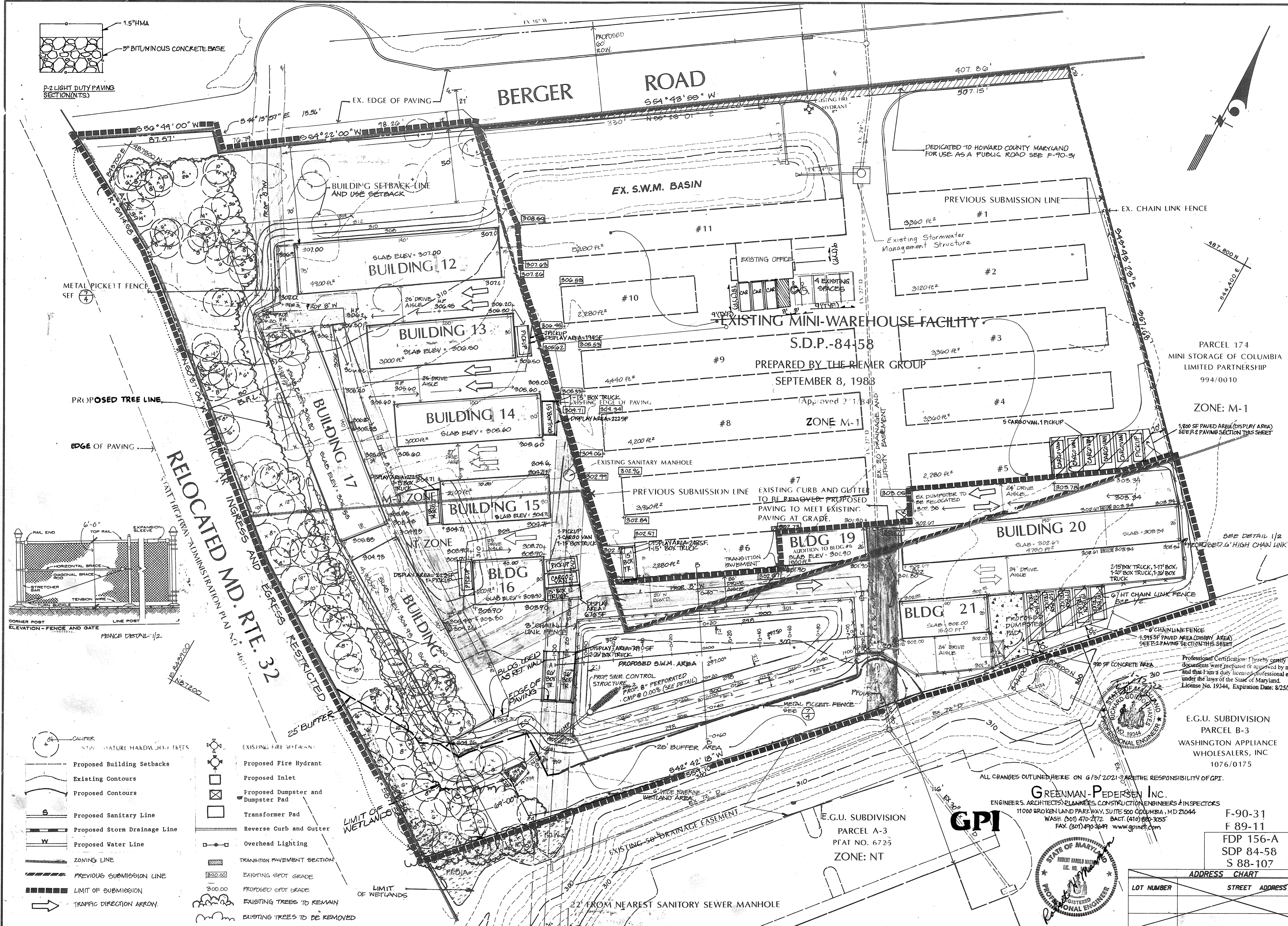
APPROVED PLANNING BOARD OF HOWARD COUNTY
DATE 11-8-89

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

LOT NUMBER	STREET ADDRESS	SUBDIVISION NAME	THE VAULT COLUMBIA EQD, SUBDIVISION	SECT./AREA 2/3	LOT/PARCEL PARCEL ID

PLAT NO. OR L/P BLOCK NO.	TAX ZONE MAP	ELEC. DIST.	CENSUS TR.
175/1007, 1224/007	9	NT	6061.03

LLB DESIGN	SCALE	LLB DRAWN	2 OF 8
	1" = 30'		



OWNER/DEVELOPER
CHESAPEAKE RESOURCES, INC.
12030 PARKLAWN DRIVE ROCKVILLE MARYLAND 20850
Fort Knox Columbia Self Storage LLC.
1682 East Gude Dr. #201 Rockville, Md. 20850-5345

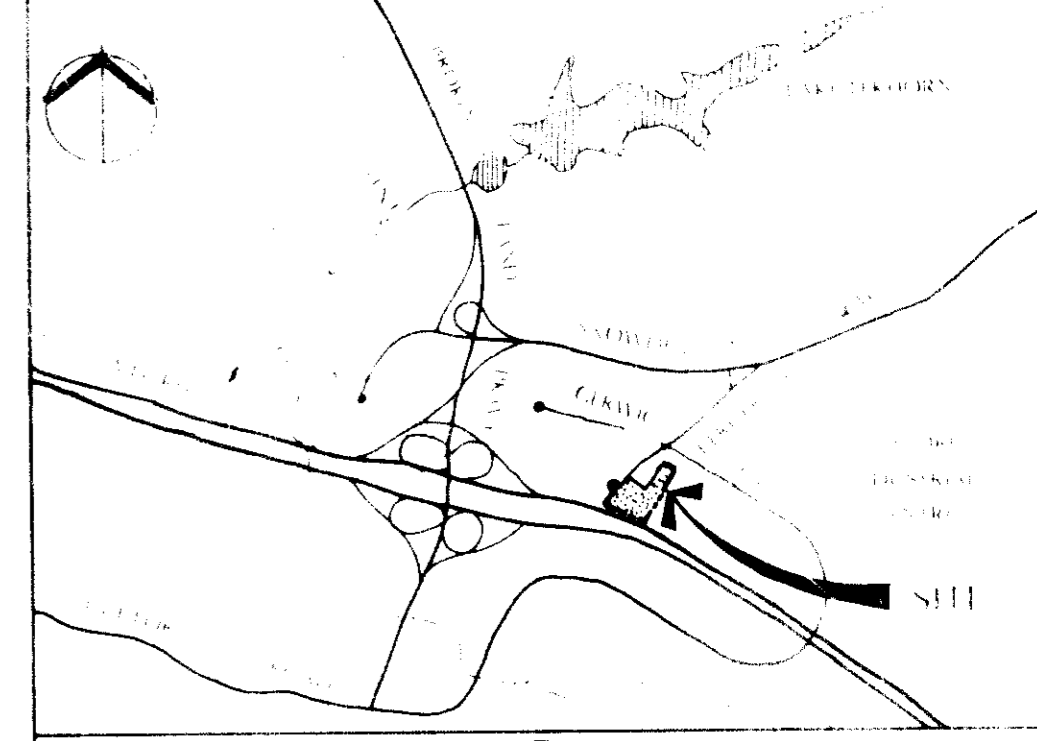
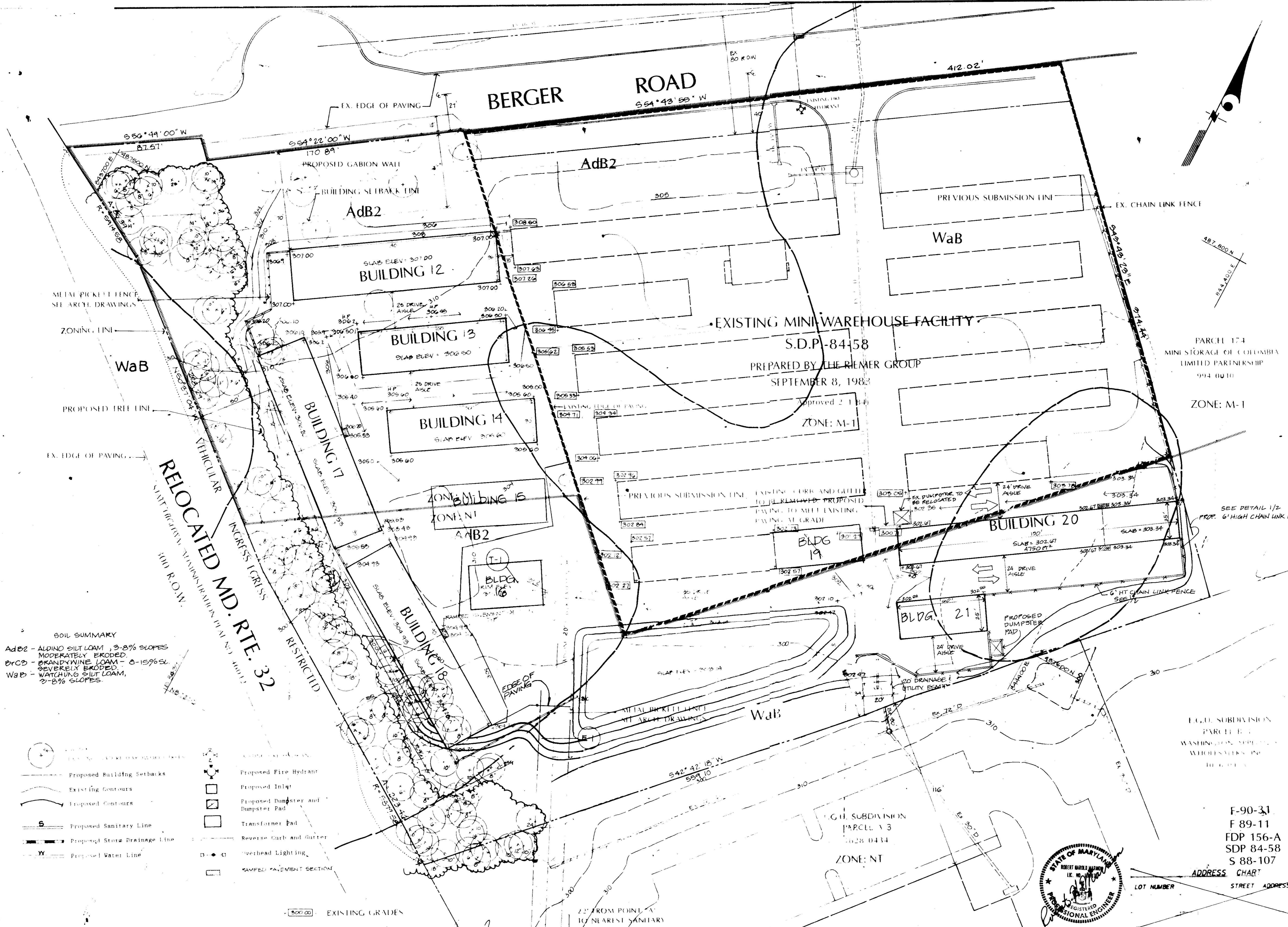
No.	REVISION	DATE	BY
1	REV. BLDGS 20 & 21 - 24' DRIVE AISLE AS PER COUNTY.	10/24/89	LH
2	BLDG 12 - 15' FR. BLDG 11	1/15/90	CLH
3	REV. BLDGS 20 & 21 - 24' DRIVE AISLE AS PER COUNTY	2/5/90	KRM
4	REV. WETLANDS & 25' BUFFER	4/30/90	KRM
5	ADDED TRUCK RENTAL PARKING AND PAVED AREAS	6/3/21	RH

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

ENGINEERS ARCHITECTS PLANNERS CONSTRUCTION ENGINEERS & INSPECTORS
GREENMAN-PEPERSSEN INC.
11000 BROKEN LAND PARKWAY, SUITE 500 COLUMBIA, MD 21044
WASH. (301) 470-2772 BALT. (410) 880-3255
FAX: (301) 470-3649 www.gpinet.com

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

DATE 4/26/89
JOB No. 1134-X
FILE No.



APPROVED: *Joyce M. Boyd* 2/16/90
 APPROVED: *Jane Z. Sh...* 2/13/90
 APPROVED: *...* 2-12-90

APPROVED: *...* 3.7.90
 APPROVED: *...* 4/23/90

APPROVED: *...* 6-6-89
 APPROVED: *...* 7-16-89

APPROVED: *...* 11-8-89
 APPROVED: *...* 11-8-89

SOIL SUMMARY
 AdB2 - ALDINO SILT LOAM, 2-8% SLOPES
 MODERATELY ERODED
 BvC2 - BRANDYWINE LOAM - 0-15% SL
 SEVERELY ERODED
 WAB - WATCHING SILT LOAM,
 2-8% SLOPES

- Proposed Building Subracks
- 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 Curve and Gutter
- Overhead Lighting
- SAMPLED SECTION

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

1. REV. BURBS 2011 - 24' DRIVE AVISUE 2/15/90 KRM
 2. REV. WETLANDS & 25' BUFFER 4/30/90 KRM

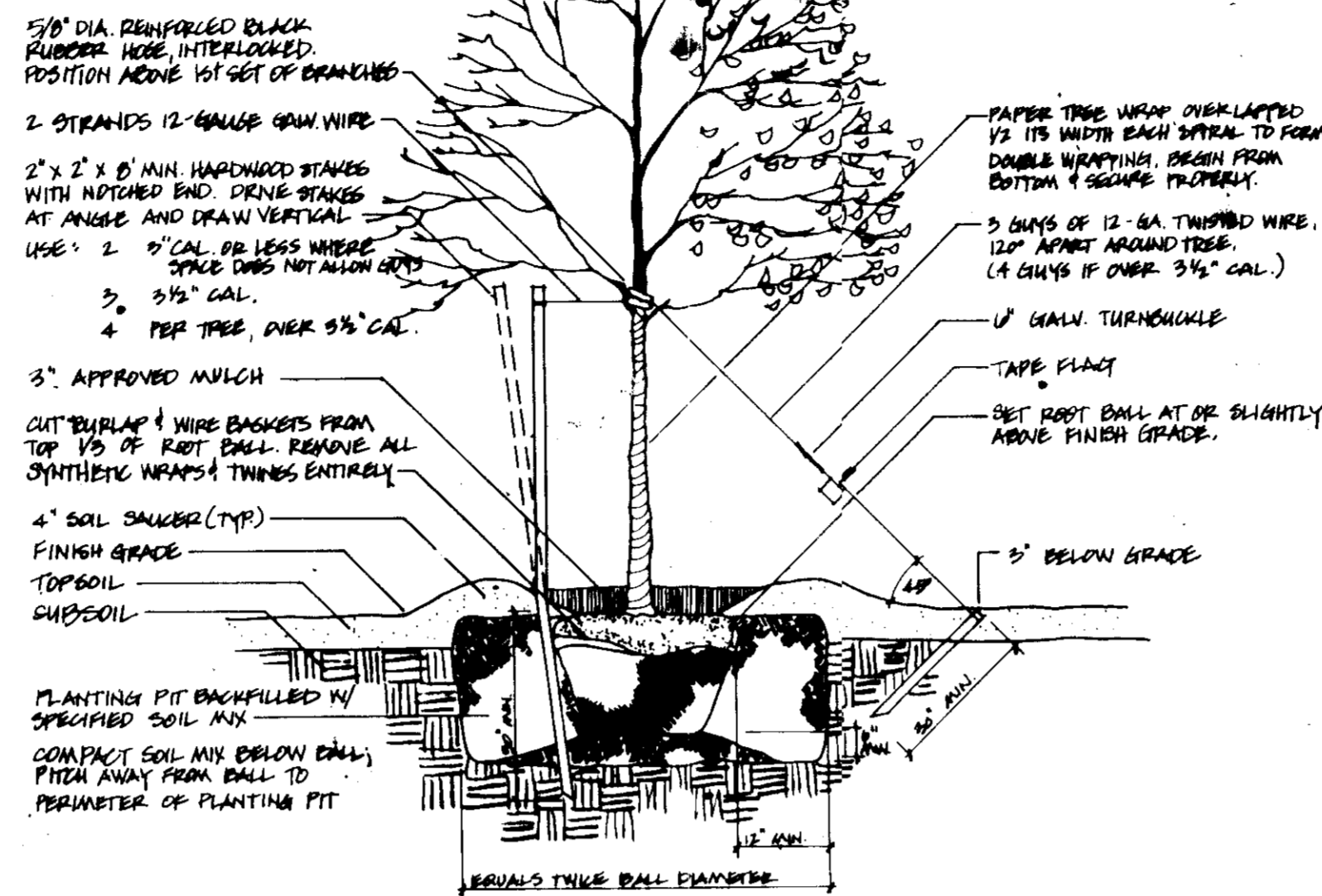
ARCHITECTS/PLANNERS/SCIENTISTS/SURVEYORS/PHOTOGRAMMETRISTS:
GARTHORNE & O'MARA, INC.
 113 WEST ROAD, SUITE 208
 BALTIMORE, MD. 21204
 (301) 298-4100

SOILS MAP
THE VAULT - COLUMBIA
 ADDITION TO EXISTING MINI-WAREHOUSE FACILITY
 TAX MAP NO. 42 E.G.U. SECTION 2, AREA 8, PARCEL D
 ZONE: M-1 NT
 ELECTION DISTRICT 6

3 8
 4-26-89
 1144-A

PLANTING SHALL BE IN ACCORDANCE WITH APPROPRIATE HORTICULTURAL STANDARDS IN ORDER TO PRODUCE THE NATURAL FORM OF THE SPECIFIC PLANT. IF APPLICABLE AND APPROVED BY THE LANDSCAPE ARCHITECT, THE PLANTING TO THE TENDRILS OF THE WIND SHALL BE REMOVED BY THINNING OUT TO BALANCE ROOT LOSS DUE TO TRANSPLANTING.

NOTE: WHERE PLANT FITS ARE DIM WITH ALTERNATE PLANTS, GLASS DESS OR HARDWARE SUPPLIES SHALL BE SHOWN TO PLANTING.

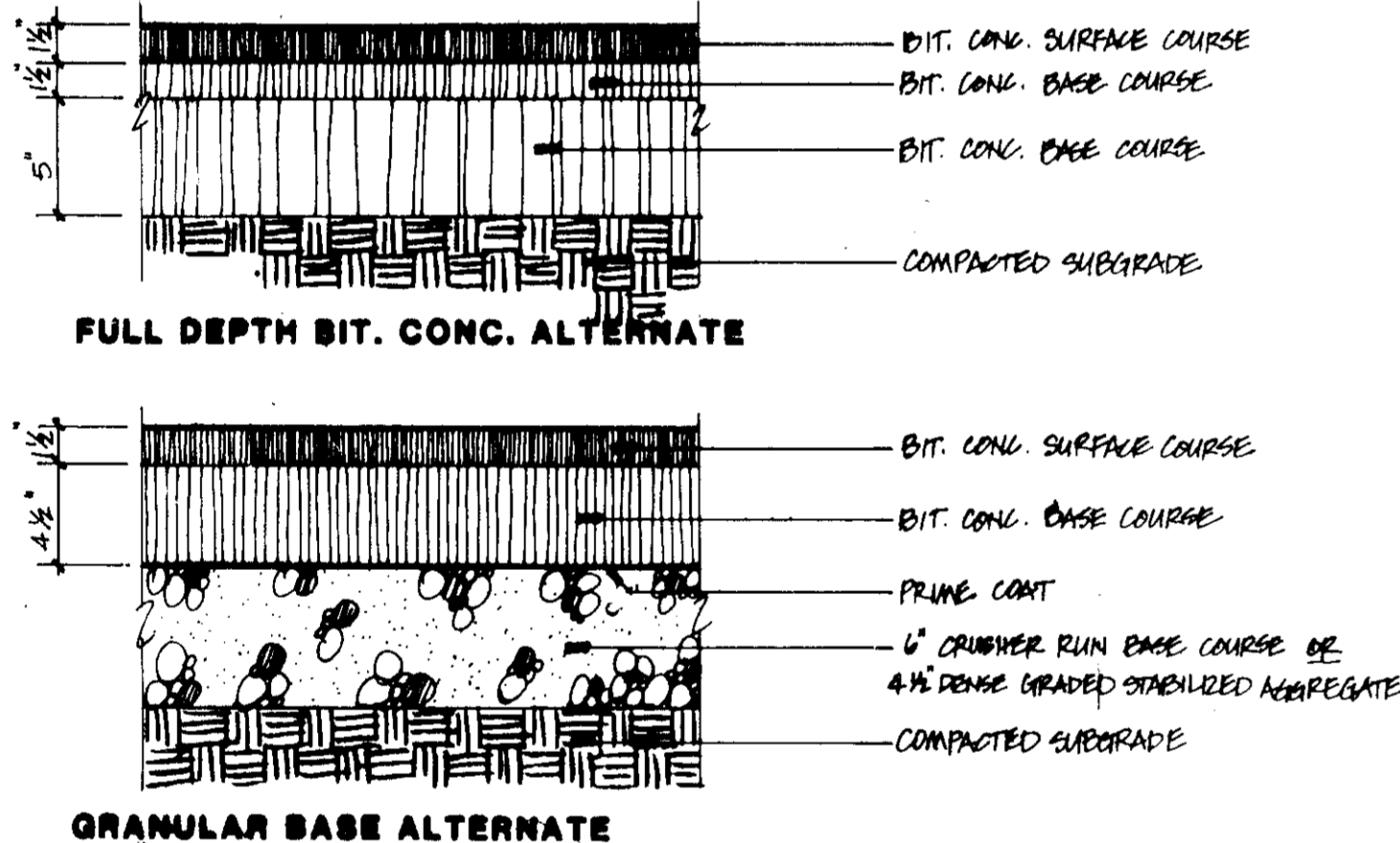


STAKING DECIDUOUS TREES 1" CAL. OR LESS
EVERGREEN TREES 8" HT. OR LESS

GUYPING DECIDUOUS TREES OVER 3" CAL.
EVERGREEN TREES OVER 8" HT.

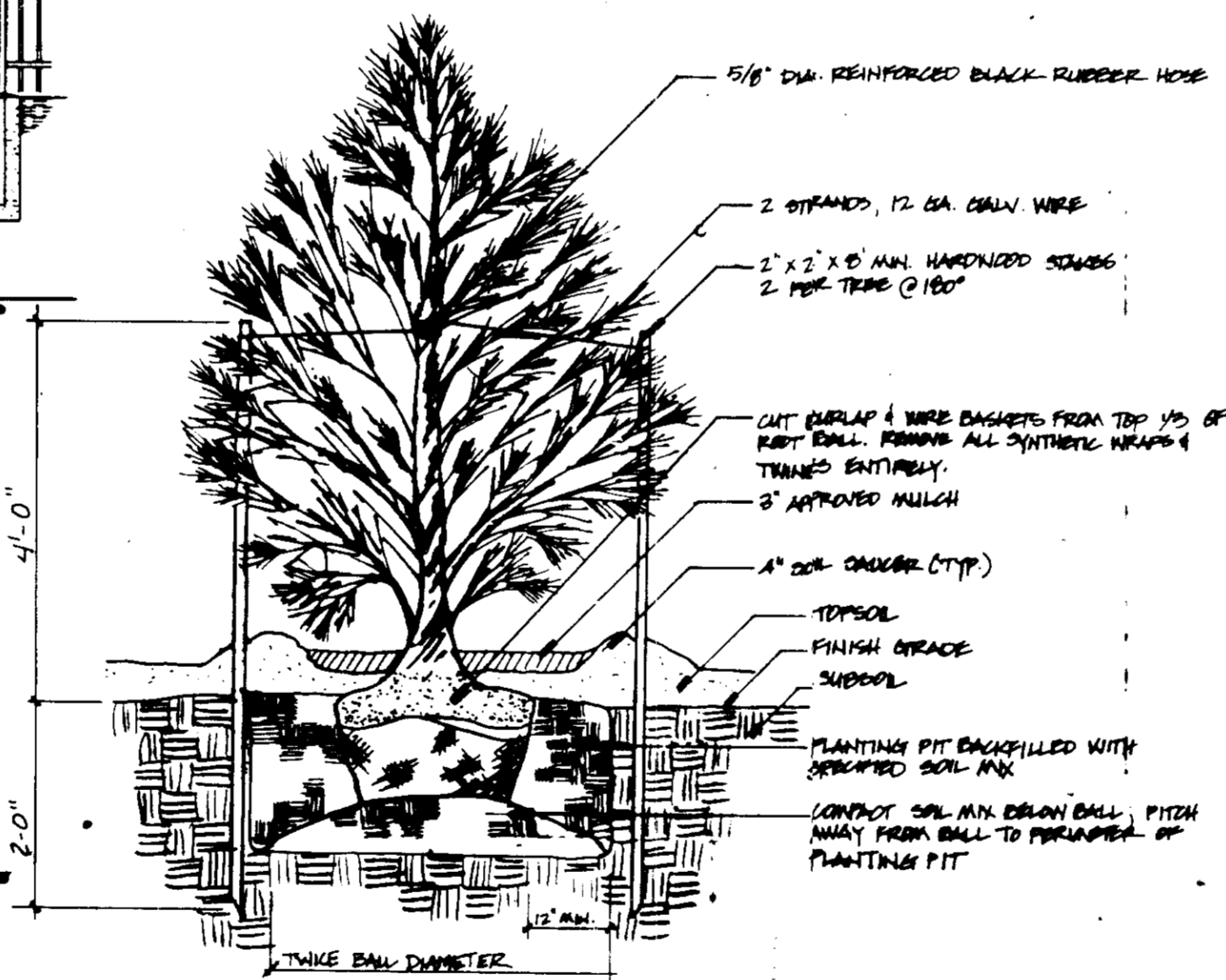
4 Tree Planting

NO SCALE



7 Metal Picket Fence

1/4" = 1'0"



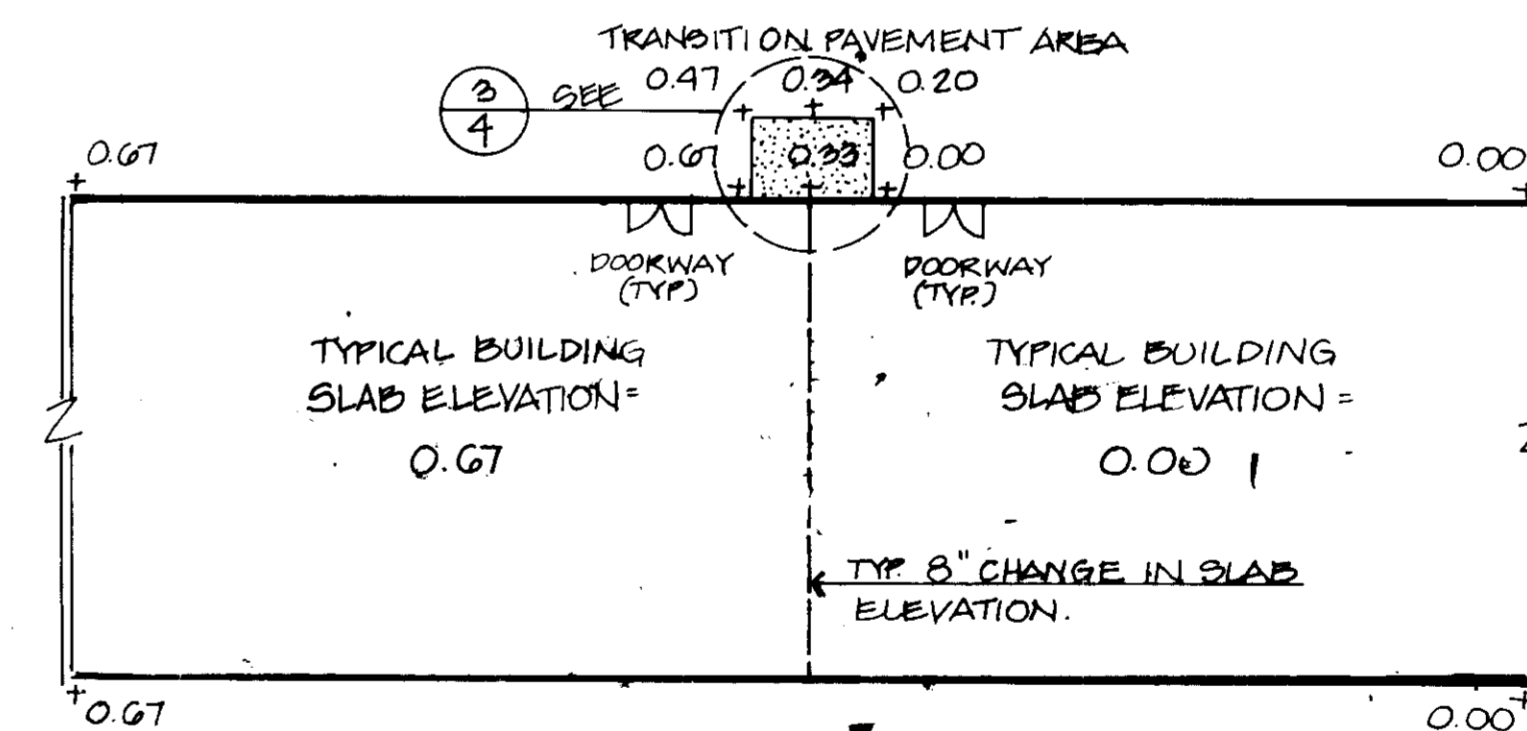
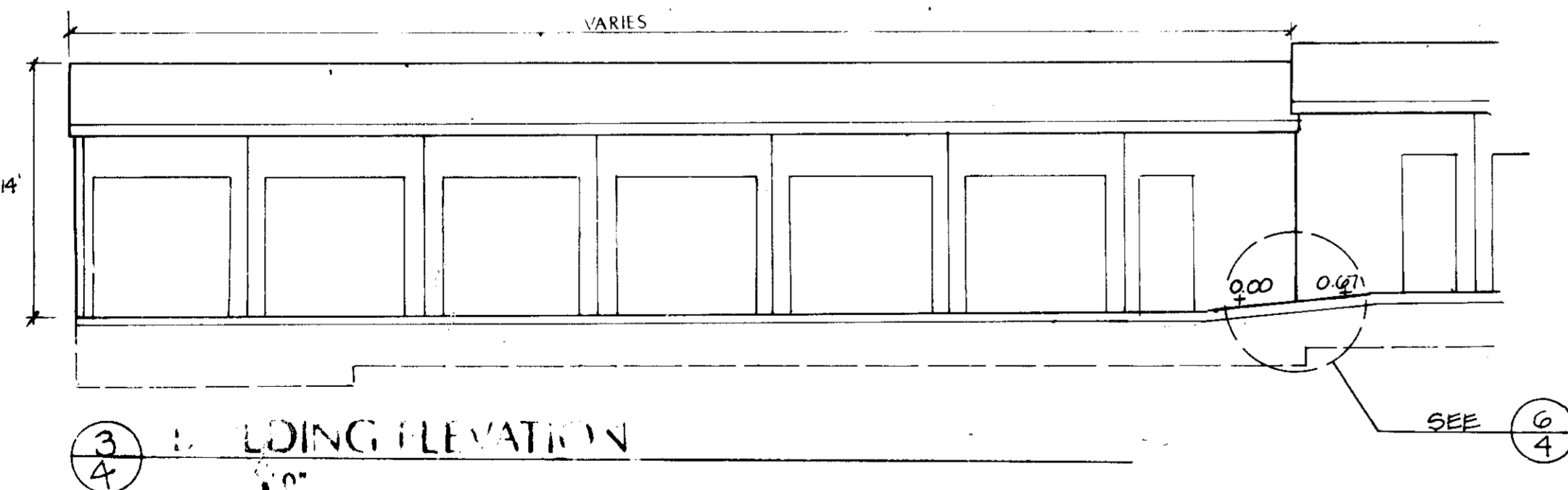
5 Evergreen Tree Detail

NO SCALE

2 Paving Sections: P-3

SCALE: 1/4" = 1'-0"

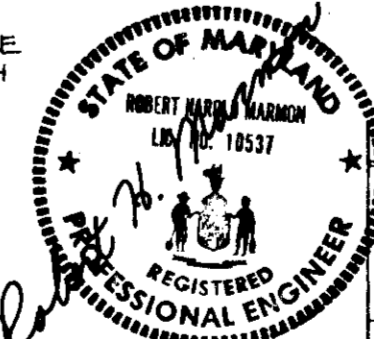
LOADING, ACCESS DRIVES



6 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 6/4



F-90-3J
F 89-11
FDP 156-A
SDP 84-58
S 88-107

- PLANTING NOTES
- Botanical names shall prevail over common names.
 - No plant substitutions shall be made without prior written approval of the Landscape Architect.
 - All plant material shall be nursery grown, no collected materials shall be accepted, unless specifically indicated.
 - Plants shall conform with the American Association of Nurserymen standards in all ways including dimensions.
 - All plants are to be inspected 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.
 - 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.
 - 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.
 - 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.
 - All plant materials shall be balled and burlapped or container grown or as otherwise specified. No constructed balls shall be accepted. Remove synthetic "inches" 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.
 - All plant materials are to be set with the top of root ball even with or slightly above the finished grade.
 - 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.
 - All plant beds except as specifically noted, are to be topped with a 3" layer of pine bark mulch. Sample to be approved.
 - 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 Ryegrass | 25% | F-31 Tall Fescue | 80% |
| Kentucky Bluegrass | 50% | Annual Ryegrass | 20% |
| (approved hybrid varieties) | | | |
| Creeping Red or Pennlawn Fescue | 25% | | |
- 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.
 - 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.
 - All lawn areas shall be mulched with salt hay or equal as approved by the Landscape Architect. Straw hay is not permitted.
 - Report any discrepancies to the Landscape Architect immediately for decision.
 - Maintenance shall begin immediately after each plant is planted, and shall continue until acceptance. Plants shall be watered, mulched, 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.
 - 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.

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

Joyce M. Boyd
COUNTY HEALTH OFFICER
2/16/90
DATE

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

James J. ...
DIRECTOR
2/13/90
DATE

APPROVED FOR PLANNING & ZONING
HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

3.7.90
DATE

CHIEF, DIV. OF COMMUNITY PLANNING & LAND DEVELOPMENT

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 SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT

HOWARD S.C.D.

DATE

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

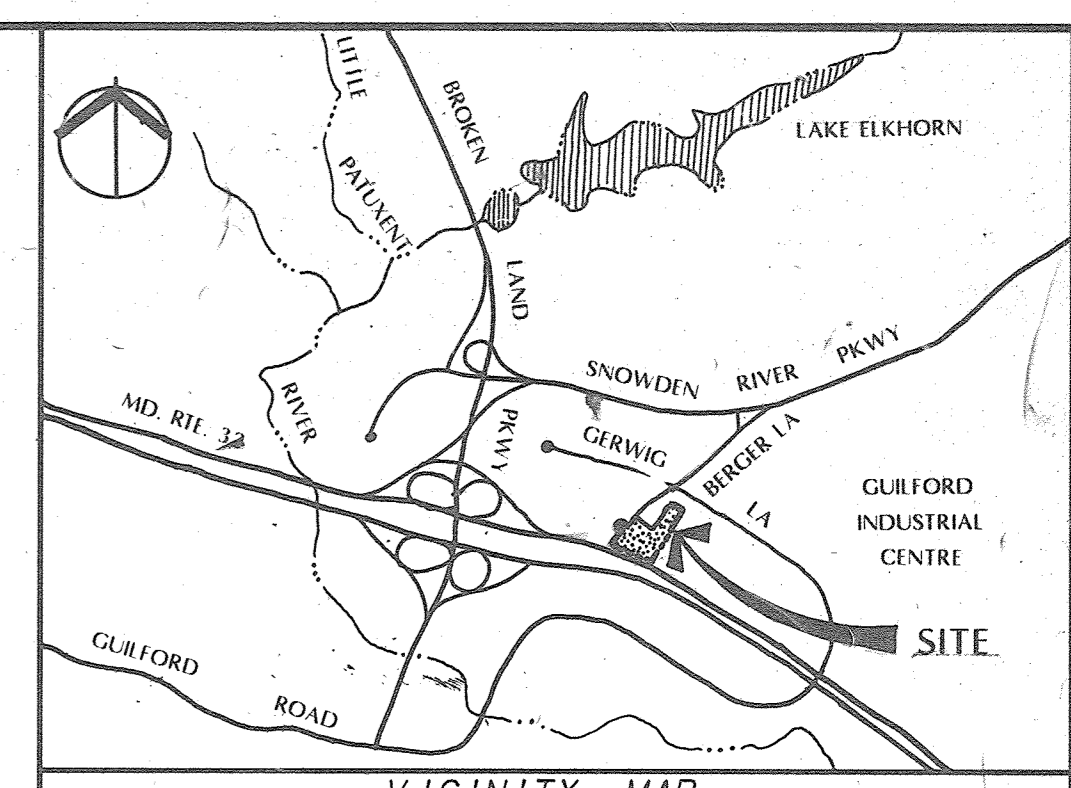
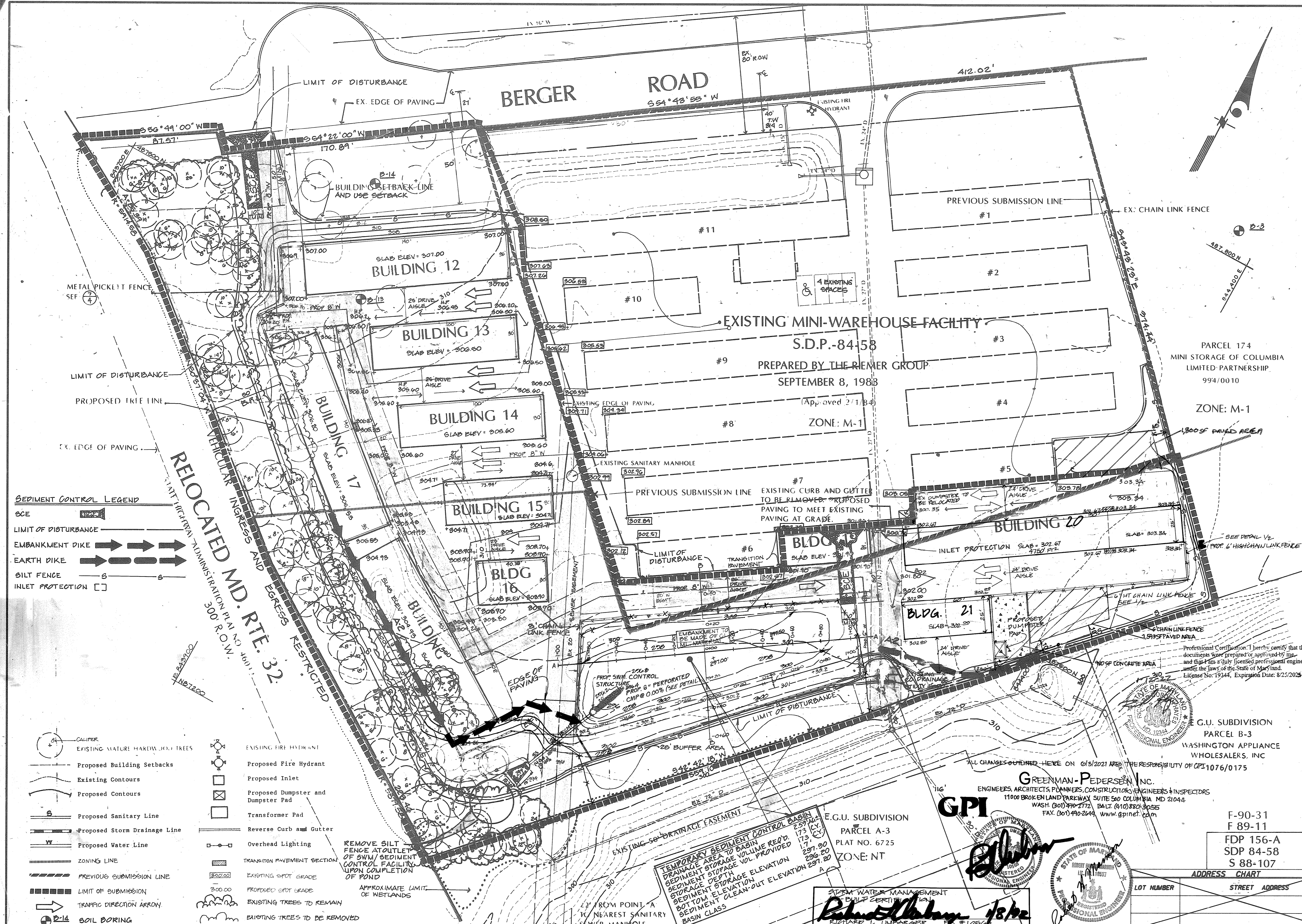
SITE AND PLANTING DETAILS
THE VAULT - COLUMBIA
ADDITION TO EXISTING MINI WAREHOUSE FACILITY
E.G.U. SECTION 2, AREA 8, PARCEL D

TAX MAP NO. 42
ZONE M-1/NT (New Town-Employment Center Industrial)
ELECTION DISTRICT 6

PARCELS 386 395
ZONING MAP 42
HOWARD COUNTY, MARYLAND

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

SDP-89-257



VICINITY MAP
SCALE 1" = 2000'

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

Joyce M. Boyd *Joyce M. Boyd* 2/16/90
BOARD HEALTH OFFICER DATE

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

James J. ... 2/13/90
DIRECTOR DATE

James B. ... 2-12-90
CHIEF, BUREAU OF ENGINEERING DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

URS
PLANNING DIRECTOR DATE 3-7-90

Paul J. ... 2/11/90
CHIEF, DIV. OF COMMUNITY PLANNING & LAND DEVELOPMENT / DATE

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: ... 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.

Signature of Engineer: Robert H. ... 1-29-90
DATE

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

Signature: ... 2/8/90
DATE

Signature: ... 2-7-90
DATE

Professional Certification: I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland. License No: 19344, Expiration Date: 8/25/2025

APPROVED PLANNING BOARD OF HOWARD COUNTY

DATE: 11-8-89

- SEDIMENT CONTROL LEGEND
- SCE
 - LIMIT OF DISTURBANCE
 - EMBANKMENT DIKE
 - EARTH DIKE
 - SILT FENCE
 - INLET PROTECTION

- 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

OWNER/DEVELOPER:

CHESAPEAKE RESOURCES, INC
12030 PARKLAWN DRIVE
ROCKVILLE, MARYLAND 20850
Fort Knox Columbia Self Storage LLC.
1682 East Gude Dr. #201 Rockville, Md. 20850-5345

No.	REVISION	DATE	BY
1	REV. DUMPSTERS 20'x21' - 24' DRIVE AISLE	2/15/90	KRM
2	REV. WETLANDS & 25' BUFFER	4/30/90	KRM
3	AS-BUILT OF SWM FACILITY	12/16/91	DMB
4	ADDED PAVED AREAS	6/3/21	RH

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

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

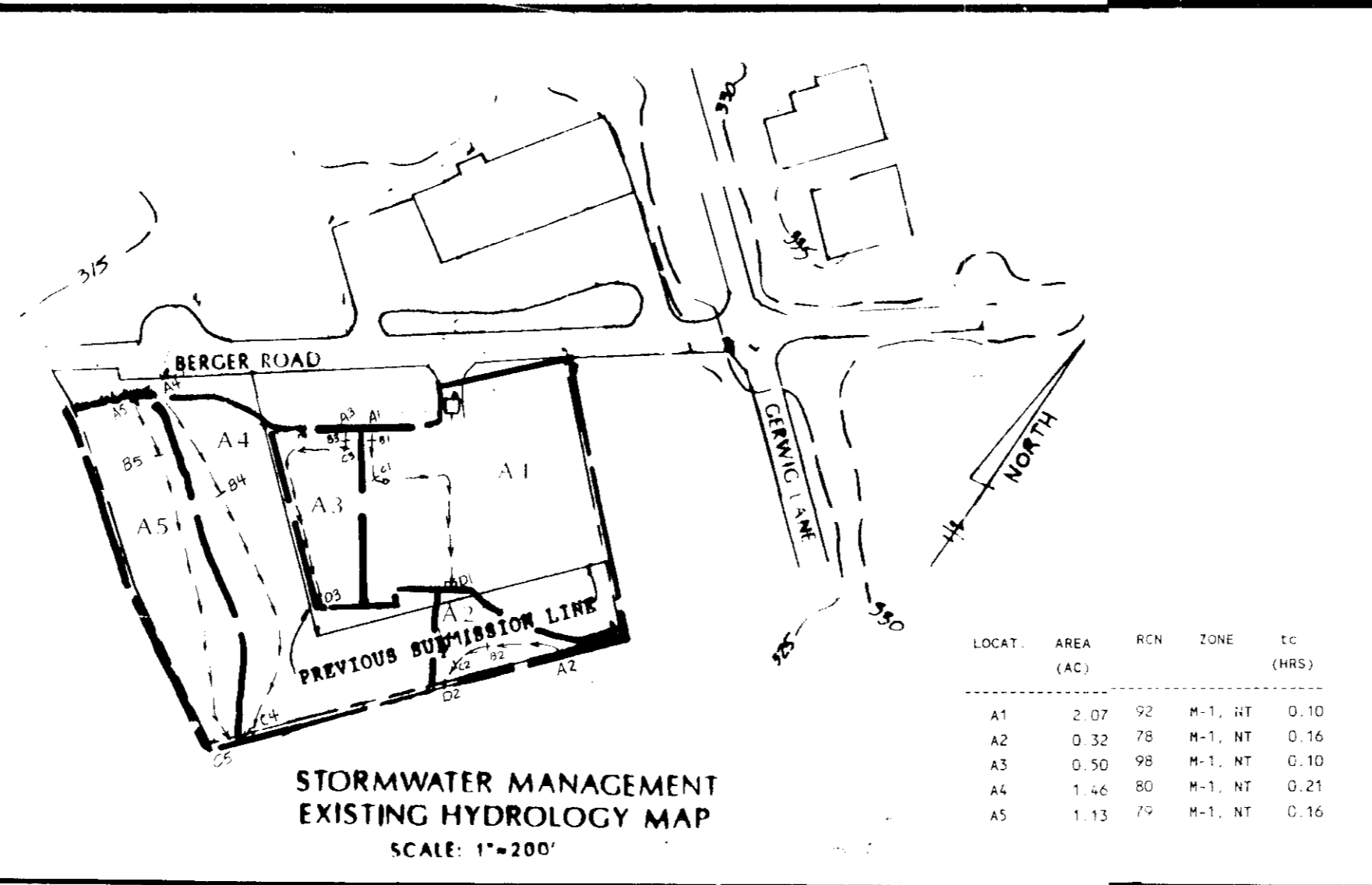
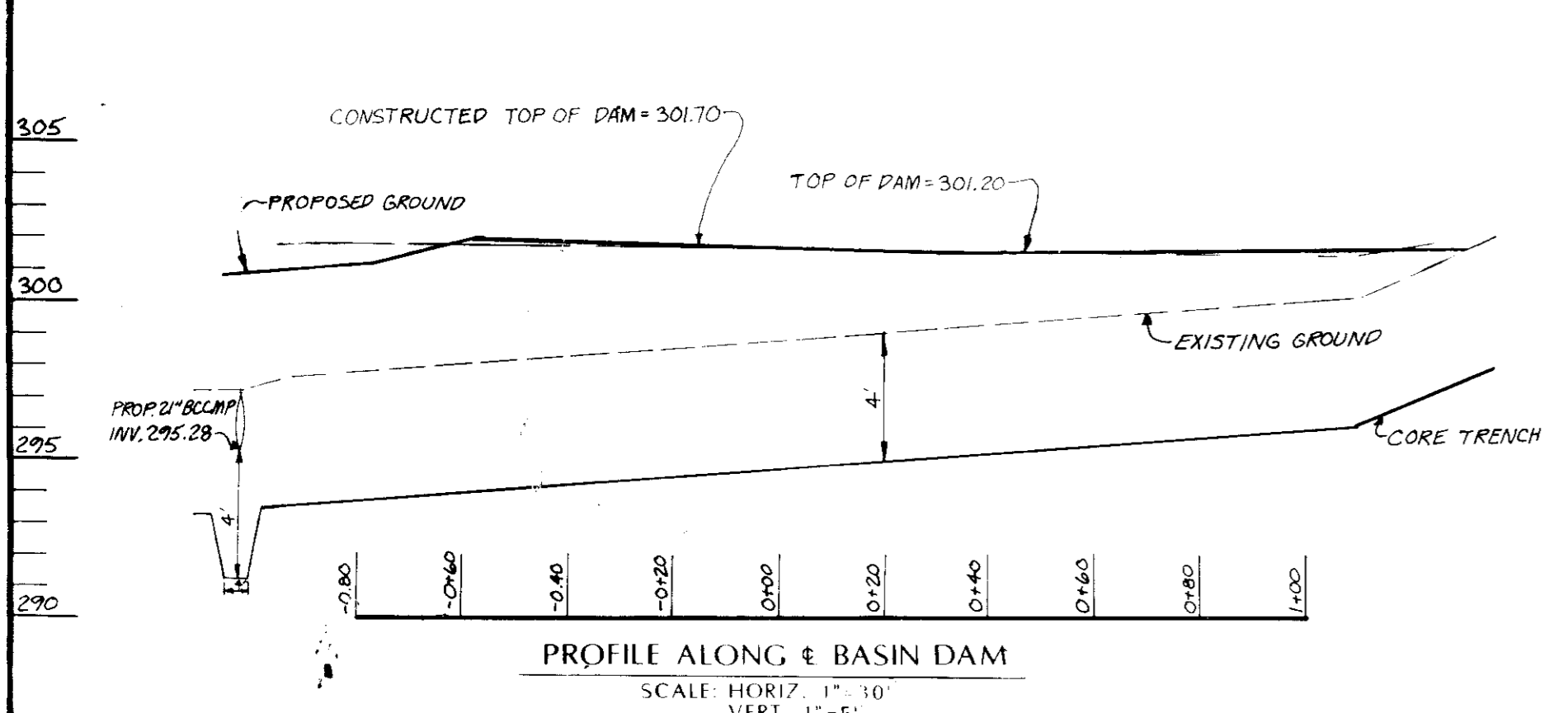
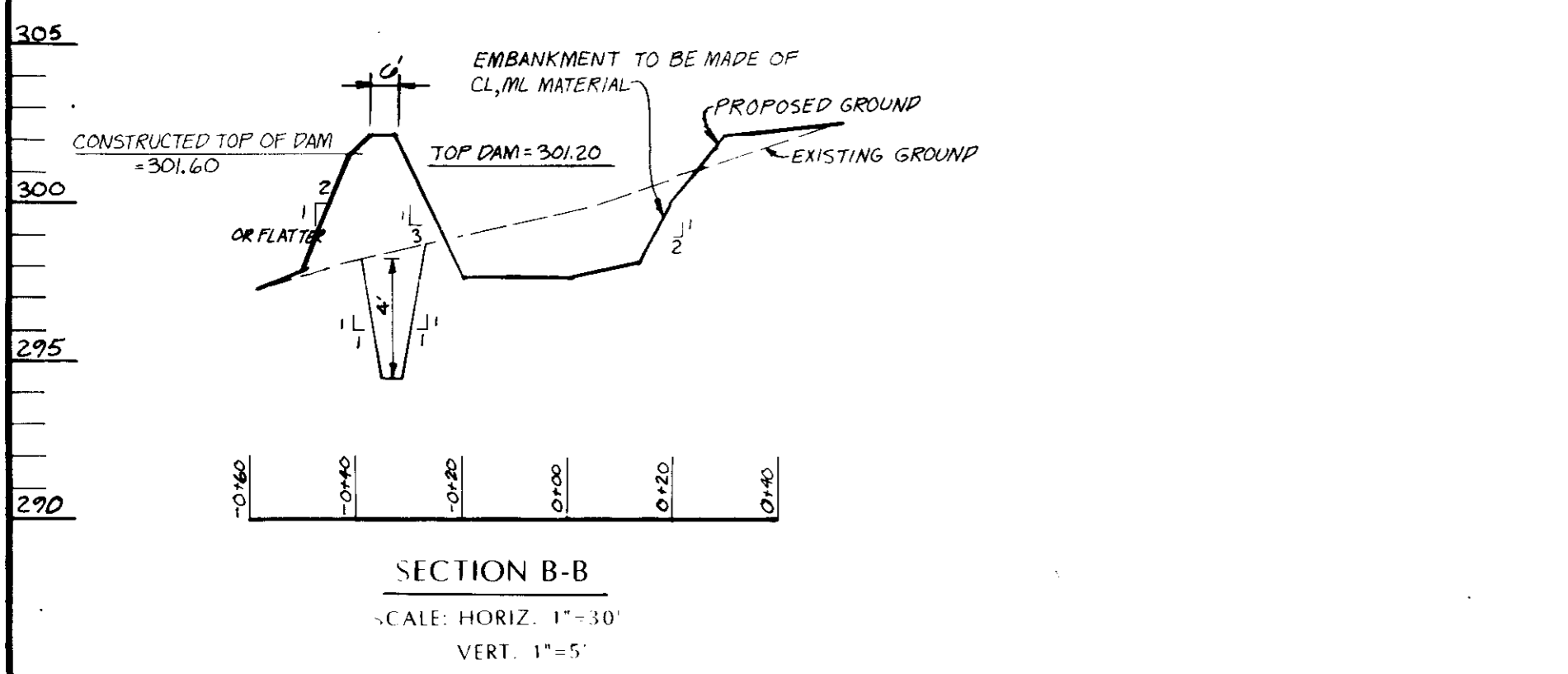
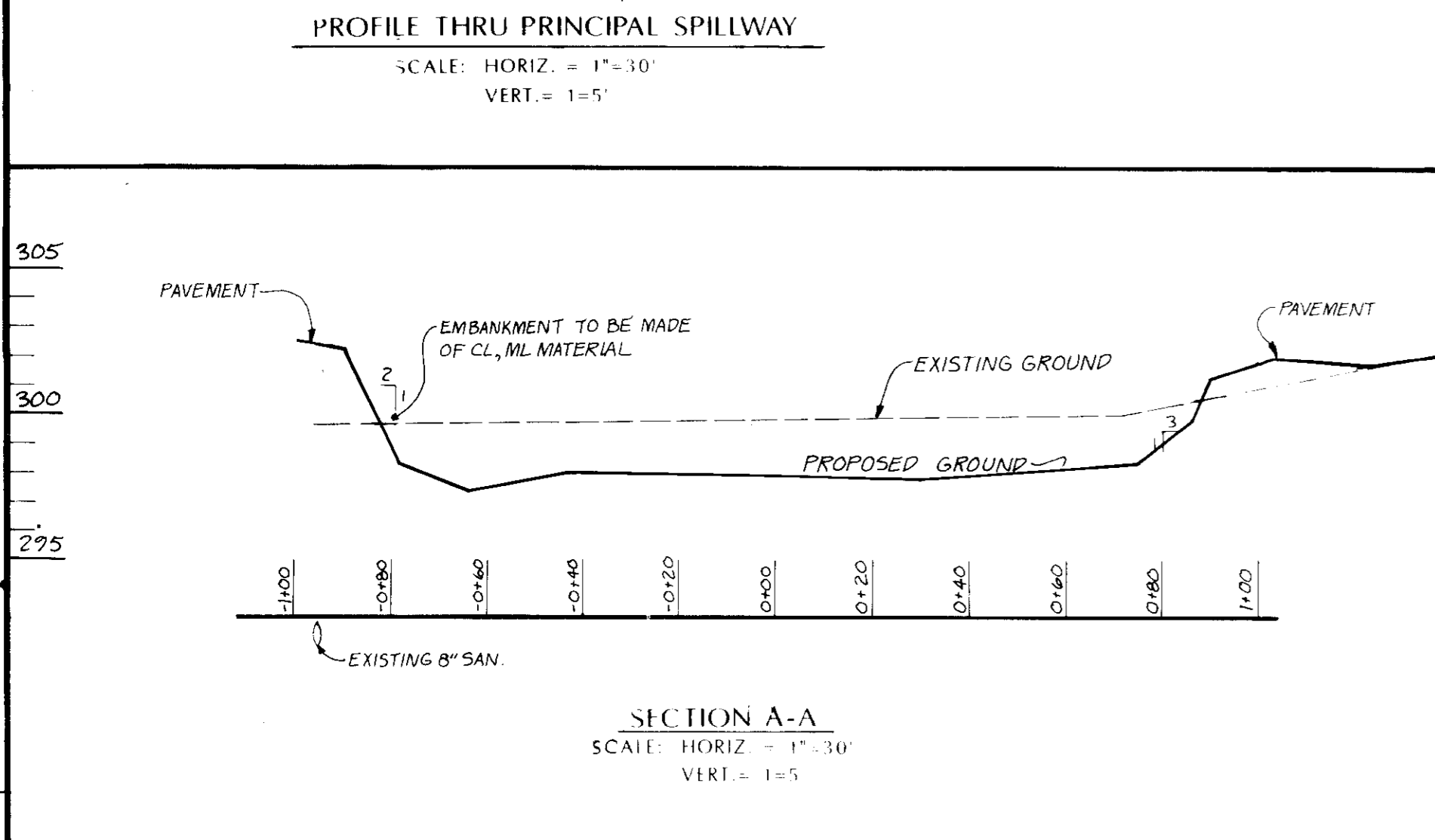
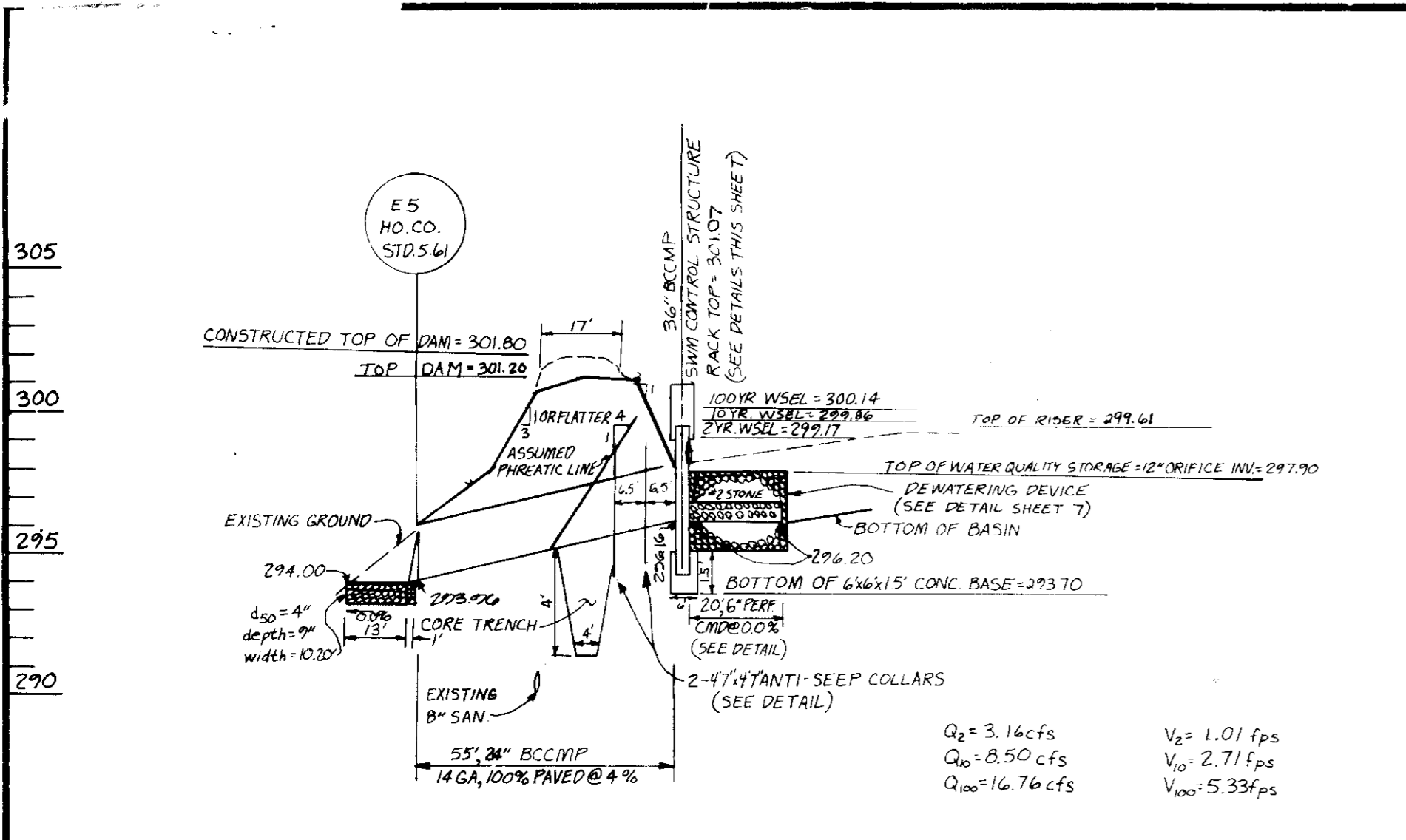
TJW DESIGN SCALE 1" = 30'

KRM DRAWN 5 OF 8

RHM CHECKED SHEET

DATE 4/26/89 JOB No. 1134-X FILE No.

AS-BUILT 12/10/91 SDR-89-257



NOTE:

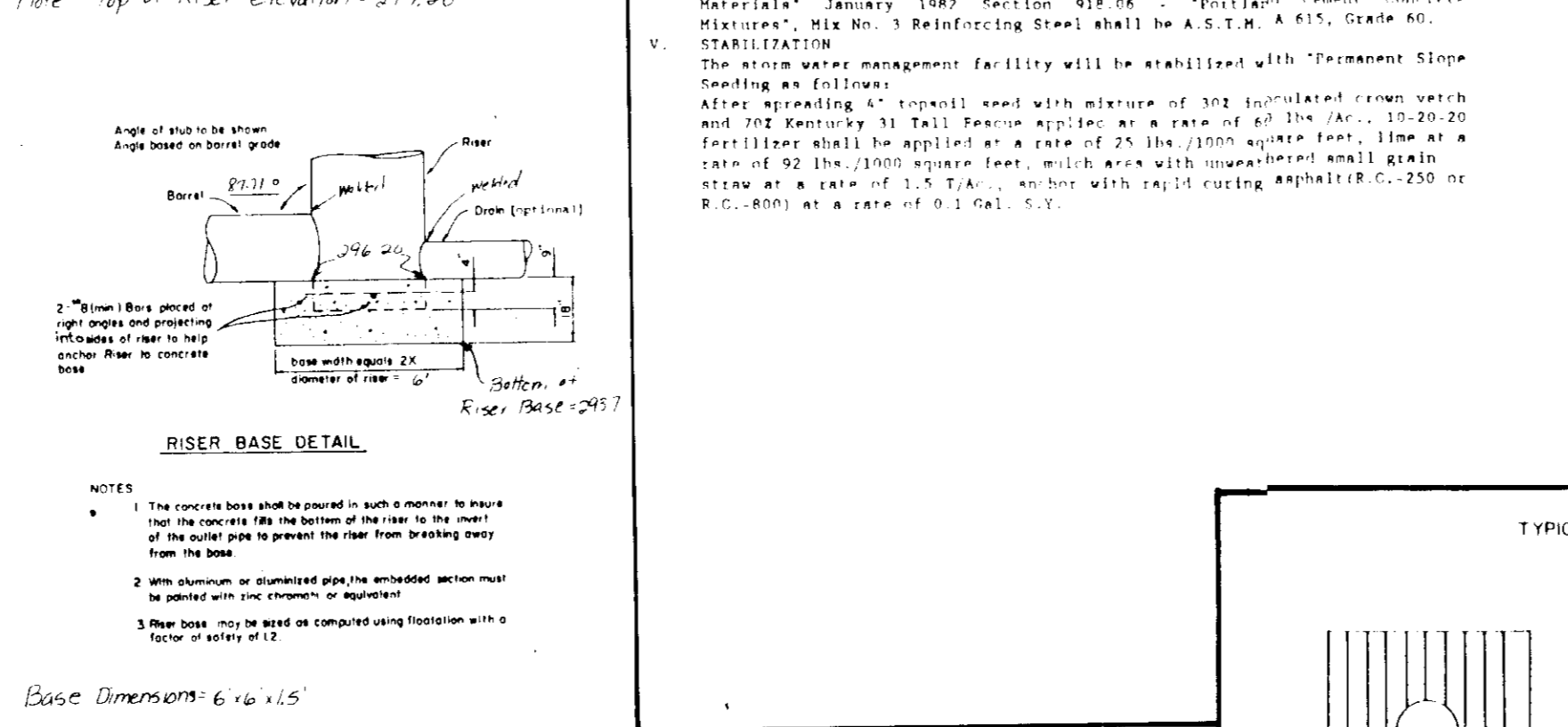
- FILL TO BE COMPACTED TO A MINIMUM DEGREE OF COMPACTION OF 95% OF THE DRY UNIT WEIGHT AS DETERMINED BY A.S.T.M. D. 1557. CONSTRUCTION OF S.W.M. POND SHALL BE PERFORMED UNDER STRICT SUPERVISION OF THE SOILS ENGINEER.
- WHEN CONSTRUCTING DAM IN FILL SECTION CONTRACTOR SHALL ADD 1% FOR COMPACTION AND SETTLEMENT.

PERMANENT STORMWATER MANAGEMENT

- PROPOSED DRAINAGE AREA: 2.59 AC
- Basin Class: A
- HEIGHT OF DAM: 3 FT
- TOP WIDTH OF DAM: 6 FT
- SIDE SLOPES OF DAM: 2:1 DOWNSTREAM, 3:1 UPSTREAM
- VOLUME PROVIDED: 0.430 AC-FT
- TOP OF DAM: 301.20
- 10 YR STORAGE ELEVATION: 299.86
- POND BOTTOM ELEVATION: 296.30

CONSTRUCTION SPECIFICATIONS

- SITE PREPARATION:** The fill area and borrow area shall be cleared and grubbed to remove all stumps, vegetation, roots and other obstructions. The subgrade shall be spread on the complete fill area.
- EMBANKMENT:**
 - 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, wind-blown, oversized stones or other objectionable material. Fill areas shall be constructed to the elevation shown on the plan to allow for anticipated settlement.
 - PLACEMENT:** Areas on which fill will be placed shall be graded prior to placement of fill. Fill material shall be placed in layers at this maximum (before compaction) and shall be continuous over the entire length of fill. The lower porous material shall be placed in areas not adjacent to graded water.
 - COMPACTION:** The movement of the hauling and spreading equipment over the fill shall be controlled so that the water table of each lift shall be compared to the specified density. Fill material shall contain sufficient moisture so that the required degree of compaction can be obtained with the equipment used.
 - CORE TRENCH:** shall be made of 50 or 60 material compacted to 95% of A.S.T.M. D. 1557 density.
- STRUCTURAL BACKFILL:** Backfill material shall be the type and quality specified for the retaining fill material. The fill shall be placed in horizontal layers at least maximum and compacted by hand tamping or manually directed power tampers or plate vibrators. As no time during backfilling operations shall be taken for equipment to be allowed to operate any closer than 100 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.
- CONCRETE:** Concrete shall meet the minimum requirements set forth in the Maryland State Highway Administration Specifications for Construction and Materials January 1989 Section 902.06 - Portland Cement Concrete Mixtures. Mix No. 3 Reinforcing Steel shall be A.S.T.M. A 615, Grade 60.
- STABILIZATION:** The storm water management facility will be stabilized with Treatment Slope Seeding as follows:
SEEDING: spreading at 100000 seed with mixture of 302 Impatiens crown vetch and 702 Kentucky 31 Tall fescue applied at a rate of 20 lbs./AC. 100,000 lbs./acre shall be applied at a rate of 20 lbs./1000 square feet. 1500 at a rate of 92 lbs./1000 square feet. which area with unweathered shell grain straw at a rate of 1.5 T/AC. which with 1000 cubic feet of C-250 or B-2000 at a rate of 0.5 Gal./AC.



STORM WATER MANAGEMENT A.S.T.M. CERTIFICATION

Richard L. Umbarger 1/16/90
RICHARD L. UMBARGER P.E. #125608

PROFESSIONAL ENGINEER



VI. PIPE CONDITIONS

A. C.C.M.P., Type C1, 1002 Lined.

B. **Corrugated Metal Pipe**

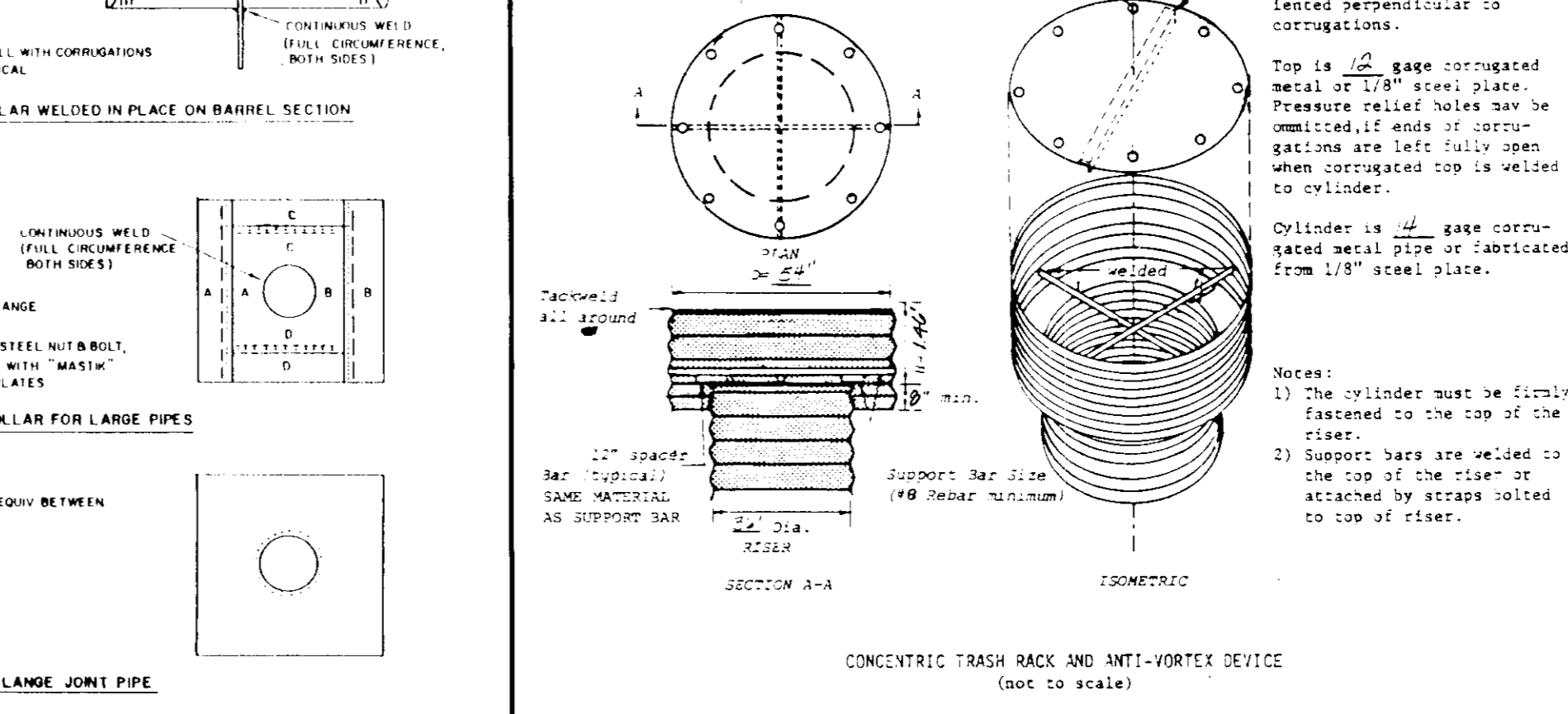
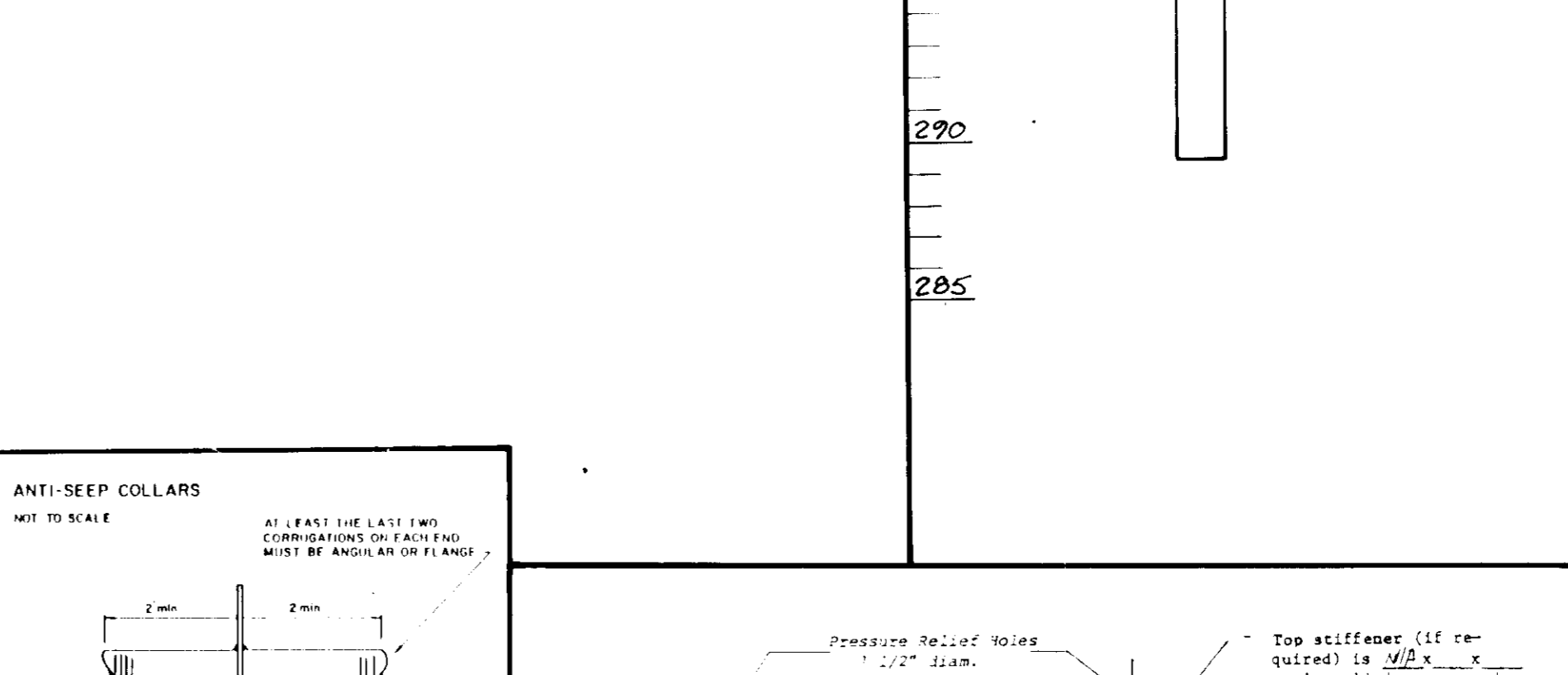
- Materials - (50' length) This pipe and its appurtenances shall be galvanized and fully bituminous coated and shall conform to the requirements of AASHTO Specification M 30 with waterproofing coupling bands. Any bituminous coating damaged or otherwise removed shall be replaced with cold applied bituminous coating compound.
- Connections - All connections with pipe shall be completely waterproof. The drain pipe or barrel connection to the riser shall be welded all around above the pipe and clear area metal. Waterproof 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. Simple bands are not considered to be watertight.
- 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.
- Existing pipe - The pipe shall be placed with inside circumferential laps pointing downstream and with the longitudinal laps at the elbow.
- Backfilling - The pipe shall conform to structural backfill as shown above.
- Other details (anti-seep collars, valves, etc.) shall be as shown on the drawings.

C. **FILTER CLOTH**

REMOVE 100% of equipment shall be used.

D. **SEDIMENT CONTROL**

Construction to be in accordance with 1983 Maryland Standards and Specifications for Soil Erosion and Sediment Control. To release structure install dewatering device by connecting 3/4" I.D. of 12" perforated underdrain to the low flow pipe. The 12" underdrain shall be strapped to filter cloth and covered with minimum 12" thick #2 stone.



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.

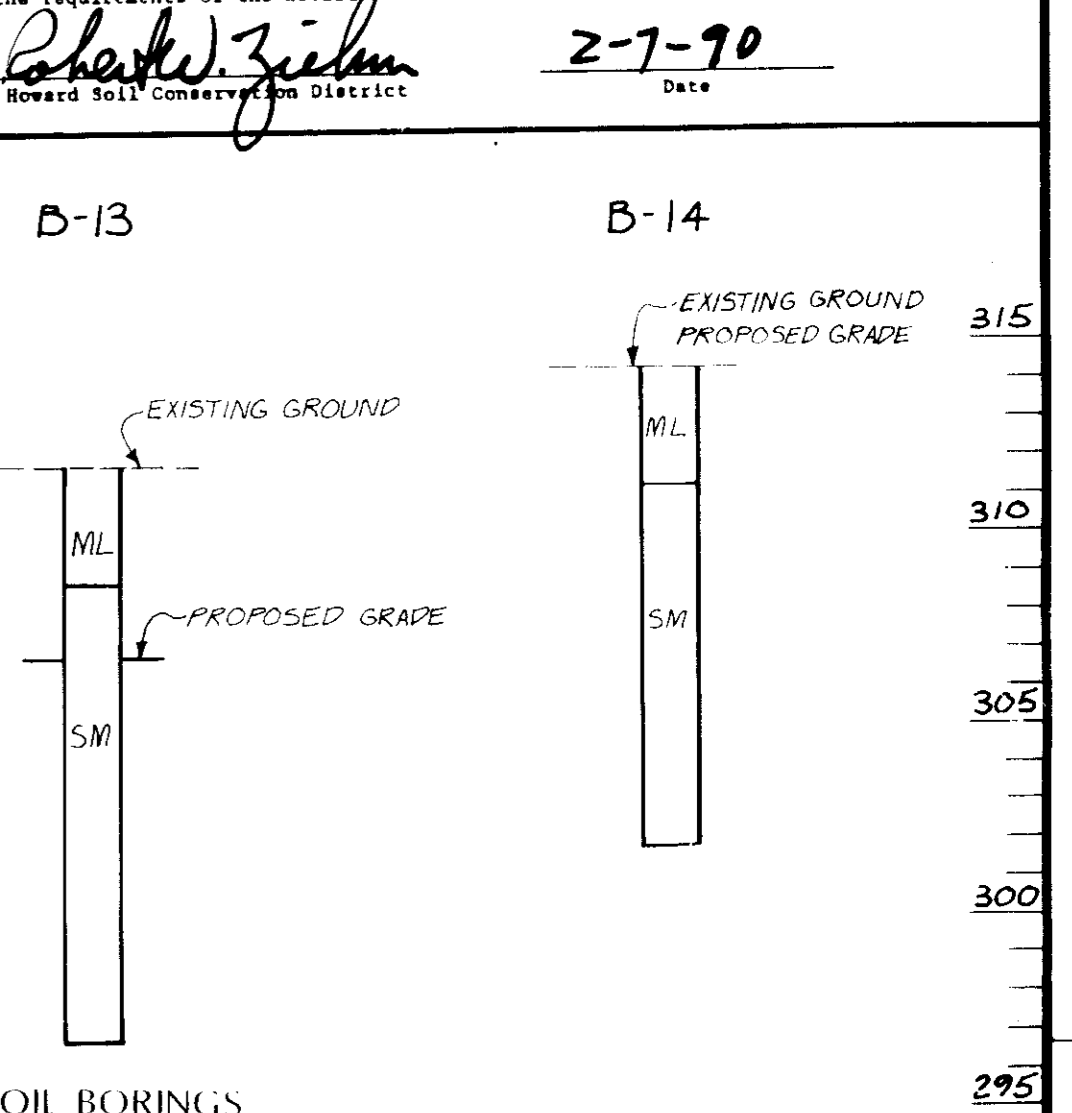
Signature of Engineer: **Robert H. Mannon** 1-29-90
Date: _____

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

Signature of Engineer: **Richard L. Umbarger** 1-29-90
Date: _____

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

Signature of Engineer: **Robert H. Mannon** 2-7-90
Date: _____



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

Jane M. Bond 2/16/90
COUNTY HEALTH OFFICER DATE

APPROVED HOWARD COUNTY DEPT. OF PUBLIC WORKS

James M. Bond 2-12-90
CHIEF, DEPT. OF ENGINEERING DATE

James M. Bond 2/13/90
Director DATE

APPROVED HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

James M. Bond 2/13/90
CHIEF, DIV. OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

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 • CULPEPPER, 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

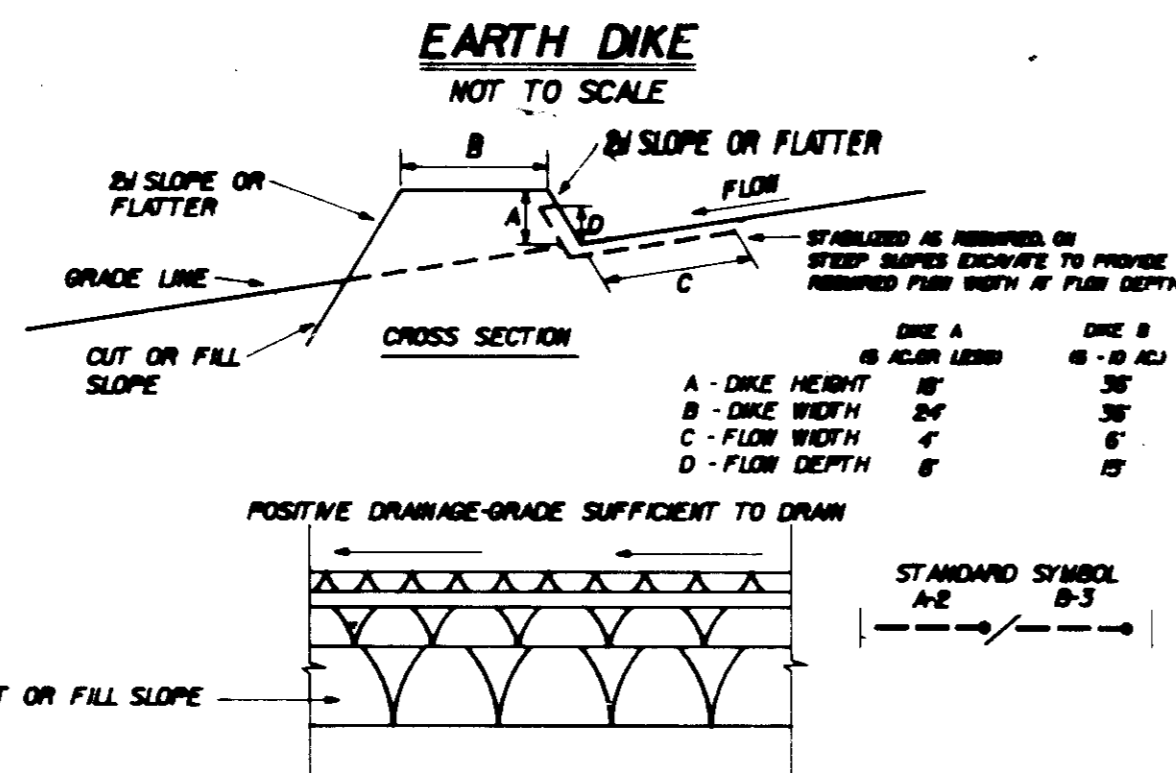
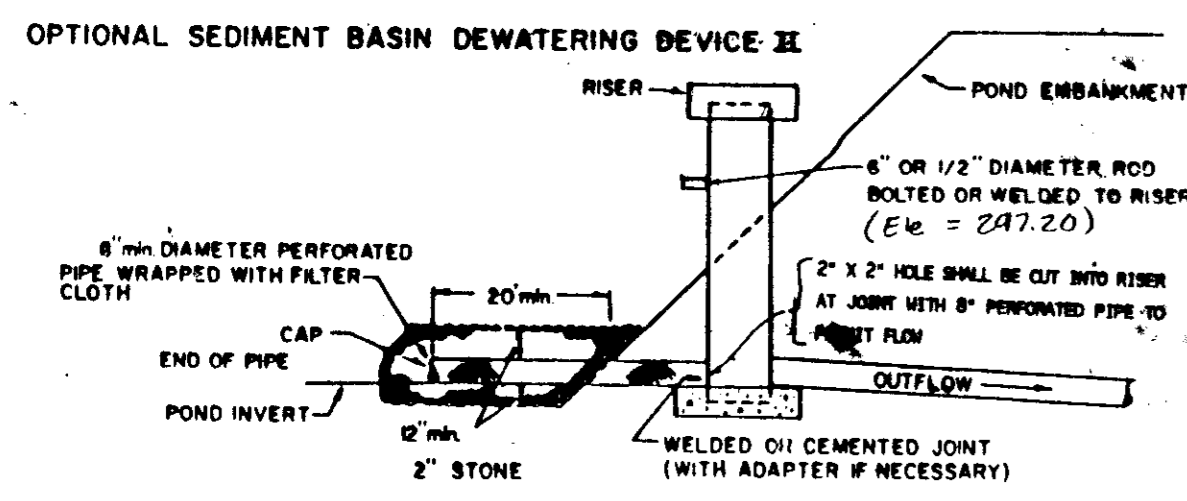
S.W.M. NOTES AND DETAILS

THE VAULT - COLUMBIA

ADDITION TO EXISTING MINI WAREHOUSE FACILITY
TAX MAP NO. 42 ZONE: M-1/NT
ELCION DISTRICT 6

PARCELS 386,395 ZONING MAP 42
HOWARD COUNTY, MARYLAND

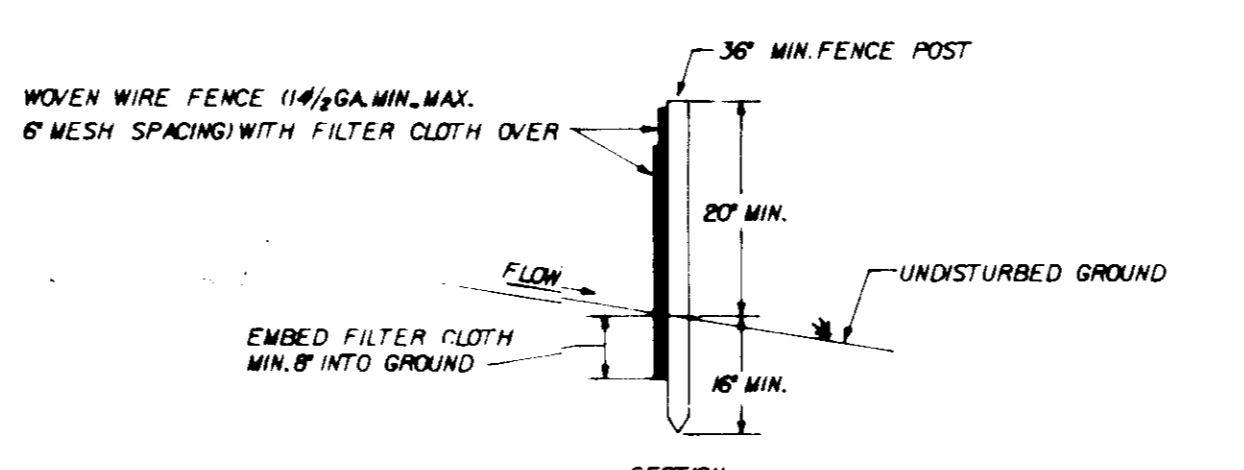
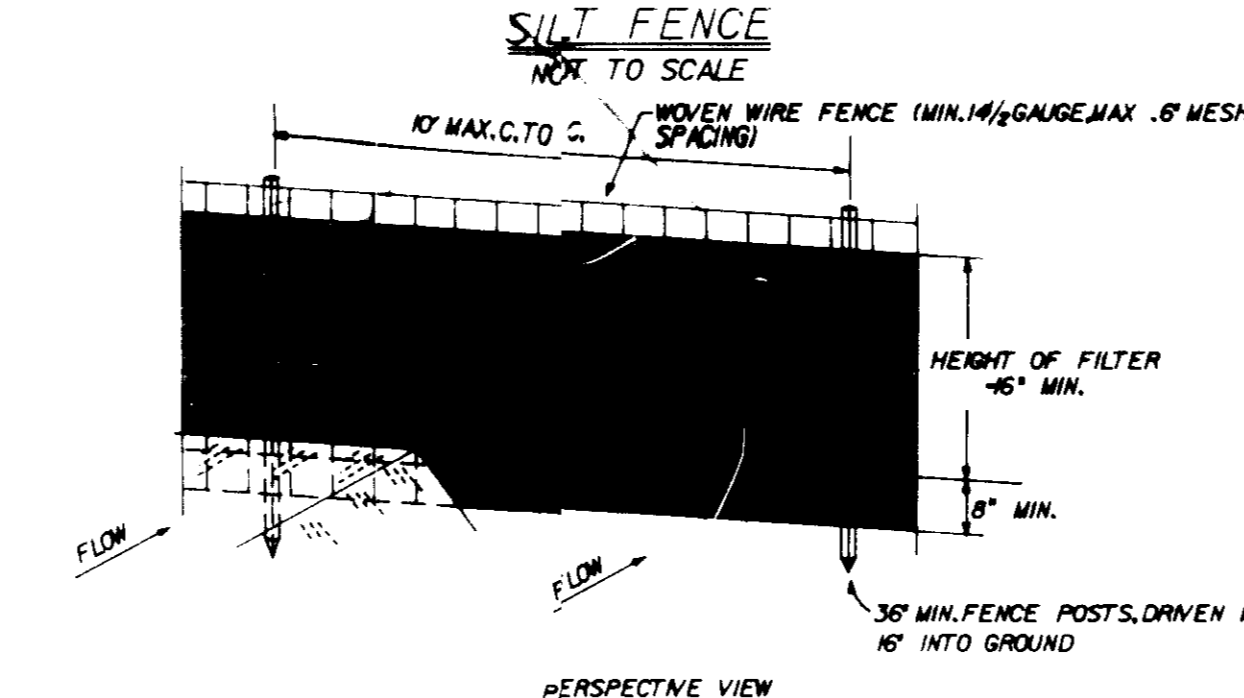
T.J.W. DESIGN	SCALE AS SHOWN
R.E.G. DRAWN	6 OF 8
R.H.M. CHECKED	SHEET
7-24-89 DATE	JOB No. FILE No.



- 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 SEEDING SEASON. (B) FLOW CHANNEL AS PER THE CHART BELOW.

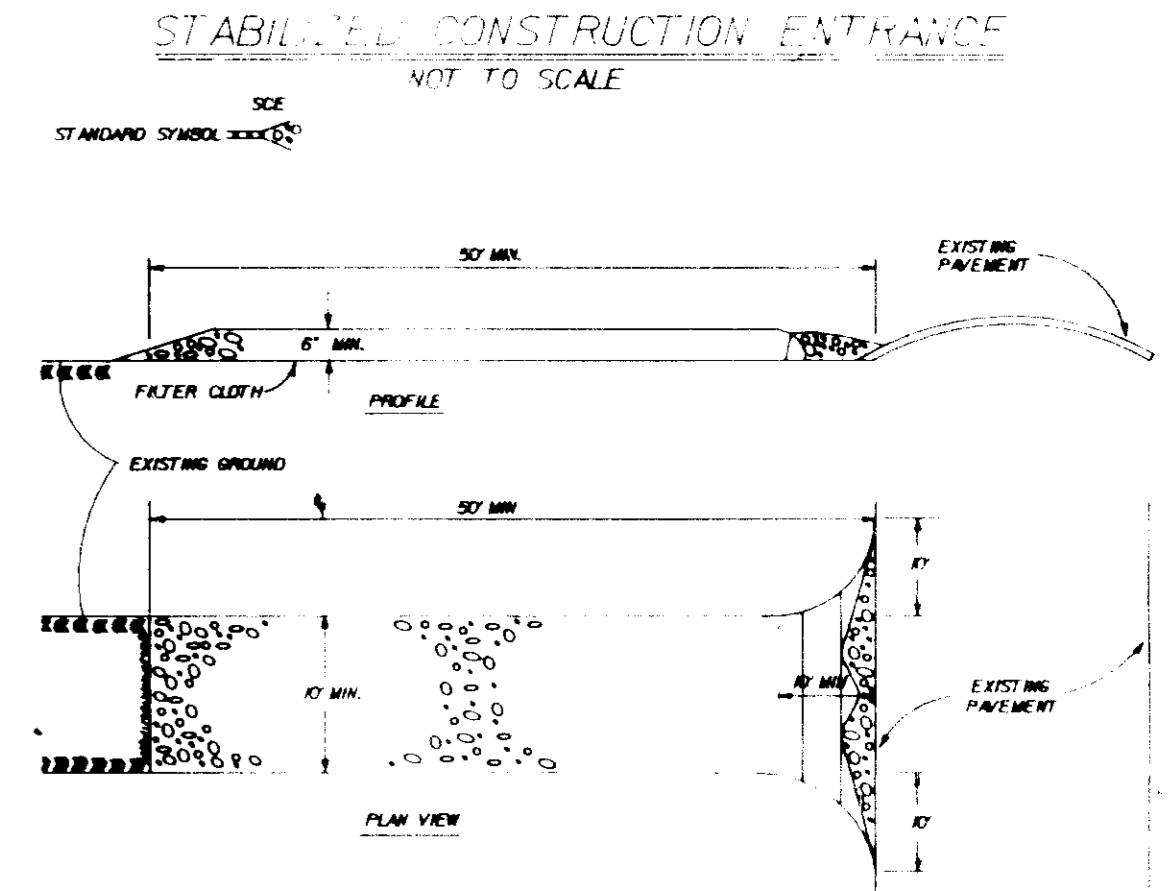
TYPE OF TREATMENT	CHANNEL GRADE	FLOW CHANNEL STABILIZATION	
		DIKE A	DIKE B
1	5:1-3:1	SEED AND STRAW MULCH	SEED AND STRAW MULCH
2	3:1-5:1	SEED AND STRAW MULCH	SEED USING JUTE OR 2" STONE
3	5:1-8:1	SEED WITH JUTE OR 2" STONE	UNED RIP-RAP 4" ENGINEERING DESIGN
4	8:1-20:1	UNED RIP-RAP 4"	UNED RIP-RAP 4" 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.



- 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 'BULGES' DEVELOP IN THE SILT FENCE.

- 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 (A) 7 CALENDAR DAYS FOR ALL PERMANENT SEDIMENT CONTROL STRUCTURES, DIKES, PERMANENT SLOPES AND ALL SLOPES GREATER THAN 3:1 (B) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
 - ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 12, OF HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
 - ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDINGS (SEC. 51) SOD (SEC. 54), TEMPORARY SEEDING (SEC. 50) AND MULCHING (SEC. 52) TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
 - ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMITS FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
 - SITE ANALYSIS:
 - TOTAL AREA OF SITE: 14.4 AC
 - AREAS DISTURBED: 5.5 AC
 - AREA TO BE ROOFED OR PAVED: 2.0 AC
 - AREA TO BE VEGETATIVELY STABILIZED: 1.4 AC
 - TOTAL CUT: 5493 CU. YDS.
 - TOTAL FILL: 3490 CU. YDS.
 - OFFSITE WASTE/ AREA LOCATION:
 - 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 OPEN 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**
- STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
 - LENGTH - AS REQUIRED, BUT NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
 - THICKNESS - NOT LESS THAN SIX (6) INCHES.
 - WIDTH - TEN (10) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
 - FILTER CLOTH WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE. FILTER CLOTH WILL NOT BE REQUIRED ON A SINGLE FAMILY RESIDENCE LOT.
 - SURFACE WATER - ALL SURFACE WATER FLOWING OR OVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE.
 - MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OF SEDIMENT ONTO PUBLIC RIGHTS OF WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS OF WAY MUST BE REMOVED IMMEDIATELY.
 - 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.
 - PERIODIC INSPECTION AND REQUIRED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

F-90-31
 SDP 156-A
 FDP 84-58
 S-88-107
 E-8111

APPROVED: FOR PUBLIC WATER & SEWER SYSTEMS
 HOWARD COUNTY
 2/15/90
 DATE

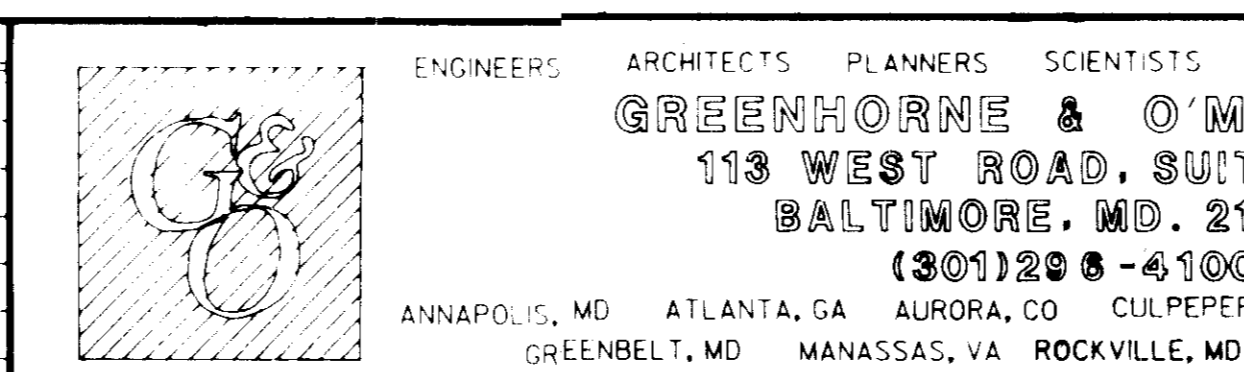
APPROVED: FOR PUBLIC WATER & SEWER SYSTEMS
 HOWARD COUNTY
 2/16/90
 DATE

APPROVED: HOWARD COUNTY DISTRICT ENGINEERING DIVISION
 3.7.90
 DATE

- SEQUENCE OF CONSTRUCTION**
- Obtain grading permit and 40% 401 Water Quality Certification if required.
 - Construct stabilized construction entrances as shown on the plan.
 - Place silt fence as shown on plan.
 - Construct SM/sediment control facility, then construct embankment and earth dikes.
 - Install inlet protection on existing triple MI inlet as per plans.
 - Rough grade site, providing positive drainage to the SM/sediment control facility. Remove existing curb at existing edge of paving.
 - Sediment shall be removed from the SM/sediment control facility when the clearest elevation (297.20) is reached.
 - 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.
 - Final grade site.
 - Proceed with the paving operations.
 - Upon final stabilization of the drainage area, regrade SM 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.
 - Upon approval by the sediment control inspector remove sediment control devices.

- PERMANENT SEEDING NOTES**
- Apply to graded or cleared areas that subject to immediate further disturbance where a permanent and live vegetative cover is needed.
- Seeded Preparation: Loosen upper three inches of soil by tilling, discing or other acceptable means before seeding, if not previously loosened.
- Soil Amendments: Apply 600 lbs per acre 0-0-0 fertilizer (14 lbs/1000 sq ft) as follows:
- Period 1: Apply 600 lbs per acre 0-0-0 fertilizer (14 lbs/1000 sq ft) before seeding.
 - Period 2: Apply 600 lbs per acre 0-0-0 fertilizer (14 lbs/1000 sq ft) before seeding.
 - Period 3: Apply 600 lbs per acre 0-0-0 fertilizer (14 lbs/1000 sq ft) before seeding.
- Seeding: For period March thru April 30 and from August 15 thru November 15, seed with 2 1/2 lbs per acre of annual ryegrass (3.2 lbs/1000 sq ft) for the period May thru August 14, seed with 3 lbs per acre of seeding (obovatus) (1.0 lb/1000 sq ft). For the period November 16 thru February 28, broadcast 5 lbs of annual ryegrass per acre of the seeded area and 1 lb of annual ryegrass per acre of the seeded area.
- Mulching: Apply 2 tons per acre (10 to 90 lbs/1000 sq ft) of unrotted straw or grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchors (1 lb/1000 sq ft) or 2 lbs per acre (15 gal/1000 sq ft) of straw or grain straw. For areas 8 feet or higher, use 3 lb per acre (15 gal/1000 sq ft) of straw or grain straw.
- Maintenance: Inspect a seeded area and make needed repairs, replacements and reseedings.

- TEMPORARY SEEDING NOTES**
- Apply to graded or cleared areas that to be re-disturbed where a short term vegetative cover is needed.
- Seeded Preparation: Loosen upper three inches of soil by tilling, discing or other acceptable means before seeding.
- Soil Amendments: Apply 600 lbs per acre 0-0-0 fertilizer (14 lbs/1000 sq ft) as follows:
- Period 1: Apply 600 lbs per acre 0-0-0 fertilizer (14 lbs/1000 sq ft) before seeding.
 - Period 2: Apply 600 lbs per acre 0-0-0 fertilizer (14 lbs/1000 sq ft) before seeding.
 - Period 3: Apply 600 lbs per acre 0-0-0 fertilizer (14 lbs/1000 sq ft) before seeding.
- Seeding: For period March thru April 30 and from August 15 thru November 15, seed with 2 1/2 lbs per acre of annual ryegrass (3.2 lbs/1000 sq ft) for the period May thru August 14, seed with 3 lbs per acre of seeding (obovatus) (1.0 lb/1000 sq ft). For the period November 16 thru February 28, broadcast 5 lbs of annual ryegrass per acre of the seeded area and 1 lb of annual ryegrass per acre of the seeded area.
- Mulching: Apply 2 tons per acre (10 to 90 lbs/1000 sq ft) of unrotted straw or grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchors (1 lb/1000 sq ft) or 2 lbs per acre (15 gal/1000 sq ft) of straw or grain straw.
- Maintenance: Inspect a seeded area and make needed repairs, replacements and reseedings.



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 206
 BALTIMORE, MD. 21204
 (301) 228-4100
 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

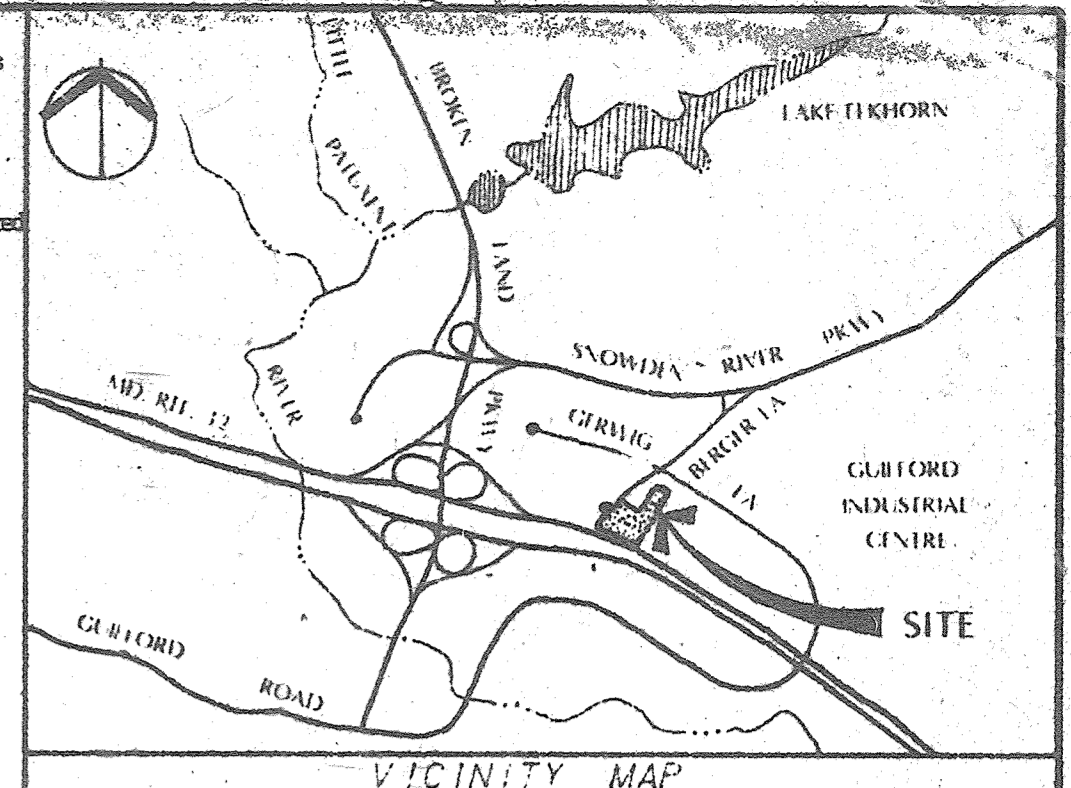
TAX MAP NO. 42 E.G.U. SECTION 2, AREA 8, PARCEL D PARCELS 386.395
 ZONE: M-1/N ZONING MAP 42
 ELECTION DISTRICT 4

DESIGN: GRADE
 REG. DRAWN: 7 OF 8
 R.H.M. CHECKED: SHEET
 7-27-89 DATE JOB NO. 1144

HOWARD COUNTY, MARYLAND

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"	BB
63	Pinus Strobus	White Pine	14' ht.			BB
	Quercus Palustris	Pin Oak	12 - 14' ht.	6'	2 1/2" - 3"	BB



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

Joyce M. Boyd
COUNTY HEALTH OFFICER
DATE: 2/16/90

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

James M. Shaw
DIRECTOR
DATE: 2/18/90
William S. Ryan
CHIEF, BUREAU OF ENGINEERING
DATE: 2-18-90

APPROVED HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

W. J. Taylor
PLANNING DIRECTOR
DATE: 3-7-90
David J. Taylor
CHIEF, DIV. OF COMMUNITY PLANNING & LAND DEVELOPMENT
DATE: 2/23/90

SEDIMENT CONTROL

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

David Williams
SIGNATURE OF DEVELOPER
DATE: 6-6-89

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. Berman
SIGNATURE OF ENGINEER
DATE: 11-8-89

REVISED FOR HOWARD COUNTY S.C.D. AND MEETS TECHNICAL REQUIREMENTS.

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

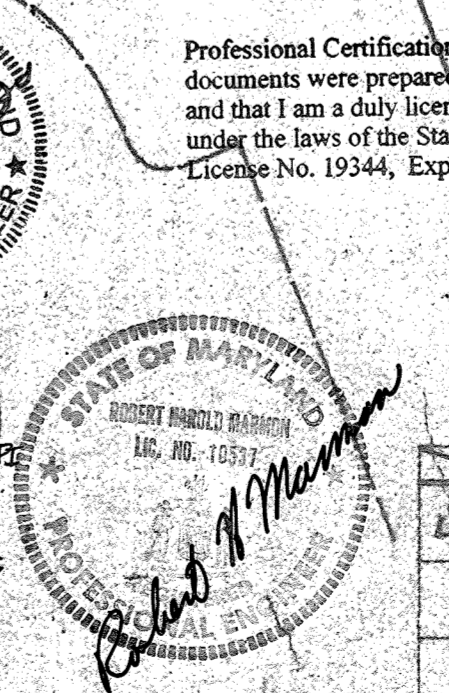
HOWARD S.C.D.
DATE: 11-8-89

APPROVED PLANNING BOARD OF HOWARD COUNTY
DATE: 11-8-89

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

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

Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland. License No. 19344, Expiration Date: 8/25/2003.

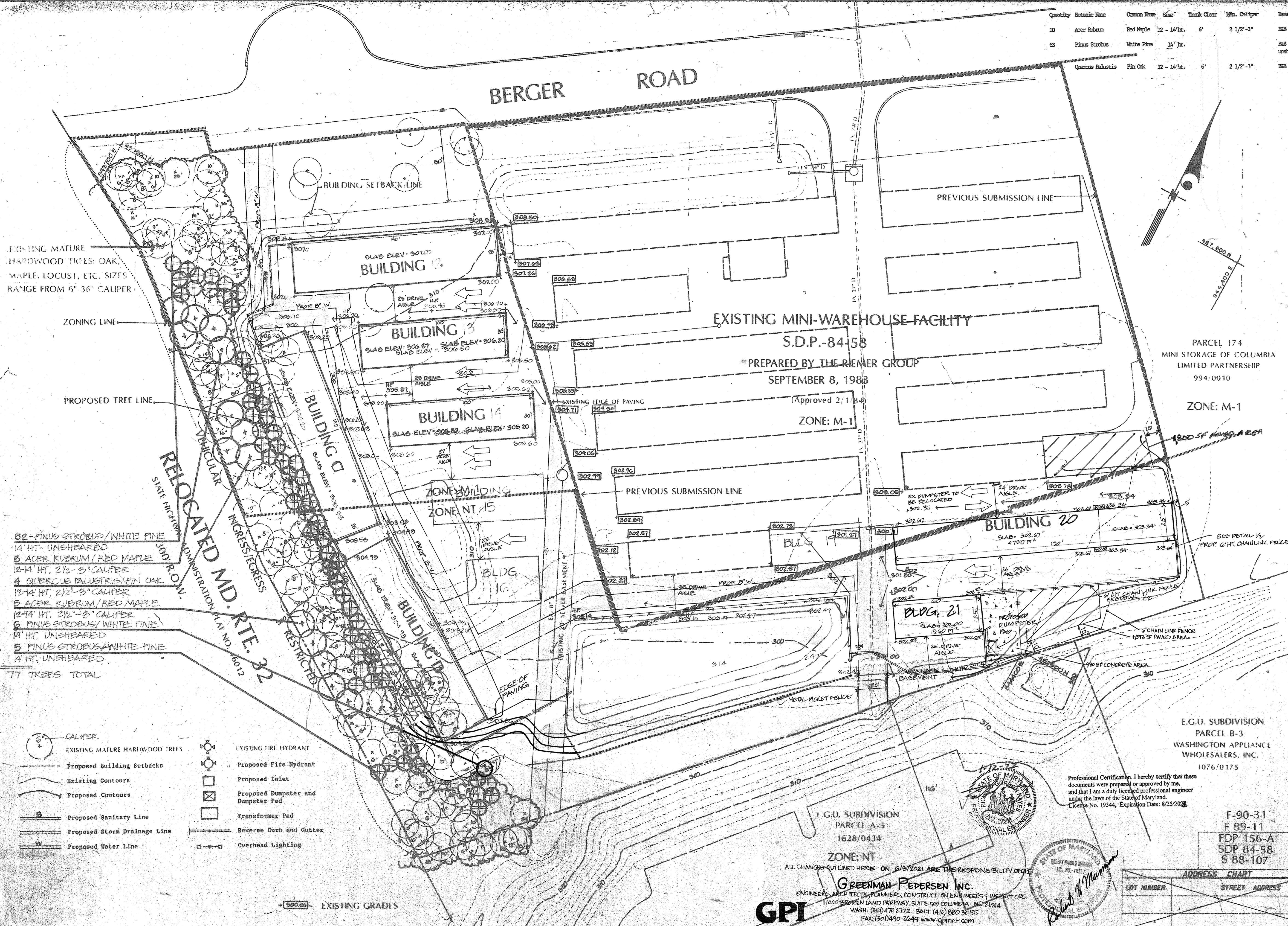


E.G.U. SUBDIVISION
PARCEL A-3
1628/0434
ZONE: NT
ALL CHANGES OUTLINED HEREIN ON 6/27/2021 ARE THE RESPONSIBILITY OF THE ENGINEER ARCHITECTS PLANNERS SCIENTISTS SURVEYORS PHOTOGRAMMETRISTS
GREENMAN PEDERSEN INC.
ENGINEERS ARCHITECTS PLANNERS SCIENTISTS SURVEYORS PHOTOGRAMMETRISTS
11000 BOYDEN LAND PARKWAY, SUITE 500 COLUMBIA, MD 21044
WASH. (301) 470-2772 BALT. (410) 880-2055
FAX (301) 490-2649 www.gpinet.com



ADDRESS CHART

LOT NUMBER	STREET ADDRESS	SUBDIVISION NAME	SECT. AREA	LOT#
		E.G.U. SECTION 2, AREA 8		
		PARCEL B-3, 386, 395		
		1219/0074		
		WATER CODE		



EXISTING MATURE HARDWOOD TREES: OAK, MAPLE, LOCUST, ETC. SIZES RANGE FROM 6" - 36" CALIPER

ZONING LINE

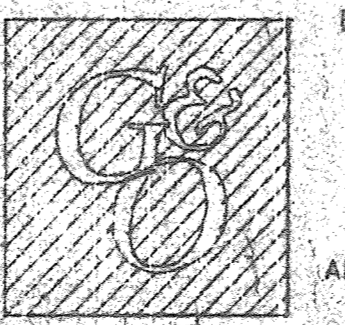
PROPOSED TREE LINE

- 52 - PINUS STROBUS / WHITE PINE 14' HT. UNSHEARED
- 5 ACER RUBRUM / RED MAPLE 12-14' HT. 2 1/2" - 3" CALIPER
- 4 QUERCUS PALUSTRIS / PIN OAK 12-14' HT. 2 1/2" - 3" CALIPER
- 5 ACER RUBRUM / RED MAPLE 12-14' HT. 2 1/2" - 3" CALIPER
- 6 PINUS STROBUS / WHITE PINE 14' HT. UNSHEARED
- 5 PINUS STROBUS / WHITE PINE 14' HT. UNSHEARED
- 77 TREES TOTAL

- 6" CALIPER
- 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

OWNER/DEVELOPER:
CHESAPEAKE RESOURCES, INC.
12030 PARKLAWN DRIVE
ROCKVILLE, MARYLAND 20850
Fort Knox Columbia Self Storage LLC.
1682 East Gude Dr. #201 Rockville Md. 20850-5345

No.	REVISION	DATE	BY
1	REV. BLDG 20 & 21 - 24' DRIVE AISLE	2/15/90	KRM
2	REV. WETLANDS & BUFFER	4/30/90	KRM
3	ADDED PAVED AREAS	6/3/21	RH



ENGINEERS ARCHITECTS PLANNERS SCIENTISTS SURVEYORS PHOTOGRAMMETRISTS
GREENHORNE & O'MARA, INC.
118 WEST ROAD, SUITE 208
BALTIMORE, MD. 21204
(301) 641-1000
ANNAPOLIS, MD - ATLANTA, GA - AURORA, CO - CULPEPER, VA - EXPERT, 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
ZONE: M-1/NT
ELECTION DISTRICT 2
E.G.U. SECTION 2, AREA 8, PARCEL D
PARCELS 386, 395
ZONING MAP 42
HOWARD COUNTY, MARYLAND

SCALE: 1" = 30'

LIB DESIGN
116 DRAWN
DLM CHECKED
4/26/89 DATE
JOB No. 1134-X
FILE No.

8 OF 8

SDP-89-257