

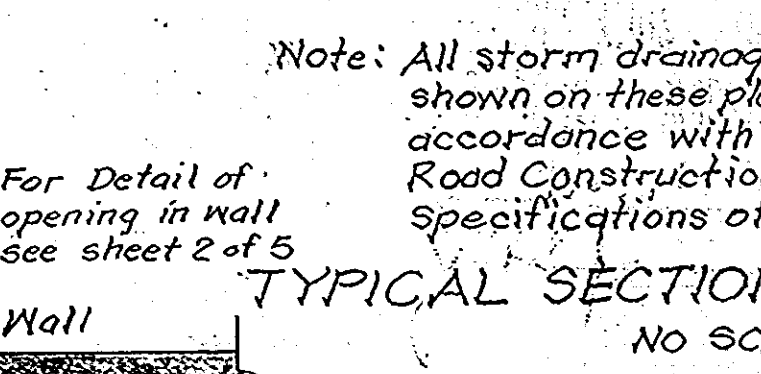
NOTE: THE RETAINING WALL SHOWN IS ADJACENT TO A HIGH PRESSURE (350 p.s.i.) GAS TRANSMISSION LINE. CONTRACTOR SHALL EXERCISE EXTREME CAUTION

Note: Base Course will be primed in accordance with the Howard Co. Road Construction Code, and Std. Specs. Sec. C-30-3. Tack coat shall be applied as required by the Howard Co. Road Construction Code and Std. Specs C-31-4.

5" Bituminous Concrete Binder Course (Gravel Mix)
6" Crusher Run Base Course

HOWARD COUNTY STD. 7" COMBINATION CURB & GUTTER
For details refer to Dwg. D-40 pg. 95 & Paving section D-B pg. 63

Note: All storm drainage and paving construction shown on these plans shall be done in strict accordance with the latest edition of the Road Construction Code and Standard Specifications of Howard County.



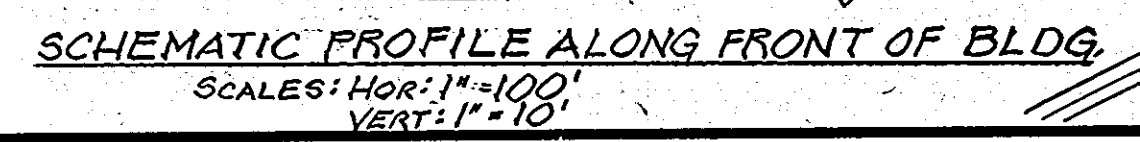
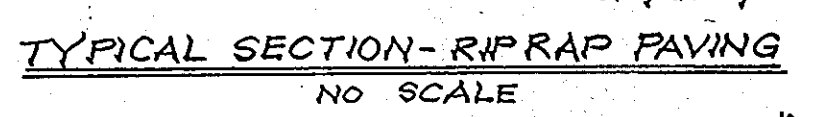
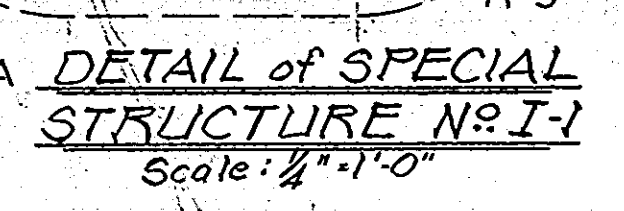
Clearing & Grading refer to Article C-1.
Subgrade refer to Article C-2.
Base Course refer to Article C-31 or C-33.
Surface Course refer to Article C-31.

SITE DATA

- Zoned M-2
- Area of Site = 171,026.4 S.F. or 3.95 Ac.
- Area of Building = 71,600 S.F. (41% Coverage)
- Contour Interval = 1'
- Restrictions

Required	Provided
Building Setback	52'
Height	30'
Parking (asp./2em.-58 em.)	20 Sp.
Space	200 S.F.-9' wide
Aisle	24'
	10 x 20 = 200 S.F.
- The base topography shown hereon is taken from a survey by George William Stevens, Jr. & Associates, Inc. 303 Allegheny Ave. Towson 4, Maryland Drawing # P.N. 3815 Date: April 15, 1974
- Tax Map No 37
- Soil Bearing Value = 3000 p.s.f.
- Type of Uses = Warehouse & Office w/ 71,600 S.F. Total floor space (1 Floor - no sales area)
- See SD-2 for retaining wall details.

NOTE: Limit of Disturbance = 149,013 sf.



APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT	9/17/74
COUNTY HEALTH OFFICER	DATE
APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING	9-18-74
PLANNING DIRECTOR	DATE
CHIEF DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING	9/18/74
DATE	
APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS	9-17-74
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS	DATE
DIRECTOR	9/16/74
DATE	
CHIEF, BUREAU OF HIGHWAYS	DATE

SANTA BARBARA COURT



SHEET INDEX

10 of 10 SITE DEV. PLAN
20 of 10 PROFILES & DETAILS
30 of 10 DRAINAGE STUDY
50 of 10 SED. CONTROL PLAN
50 of 10 SED. CONTROL DETAILS
60 of 10 SITE DEV. PLAN (REV.)
70 of 10 LANDSCAPE PLAN
90 of 10 LANDSCAPE DETAILS
100 of 10 SED. CONTROL PLAN (REV.)

Sheet 1 of 10

FINANCIAL SURETY IS TO BE POSTED FOR THE REQUIRED (A EVERGREEN TREES @ \$150.00 EACH=\$600.00; 65 SHRUBS @ \$30.00=\$1,950.00 PLUS 5 INTERNAL PARKING LOT TREES @ \$300.00=\$1,500.00 TOTAL LANDSCAPE SURETY=\$3,050.00, IS PART OF THE BUILDERS GRADING PERMIT APPLICATION (GP-08-080)

REVISIONS

DATE	DESCRIPTION	BY
3-28-08	FILE HISTORY ADDED	BAKER

DONALD B. McLEOD ARCHITECT
316 Courtland Avenue, Stamford, Connecticut 06906 (203)348-9293

BAKER - FIRESTONE PROPERTIES
316 Courtland Avenue, Stamford, Connecticut 06906 (203)348-9293



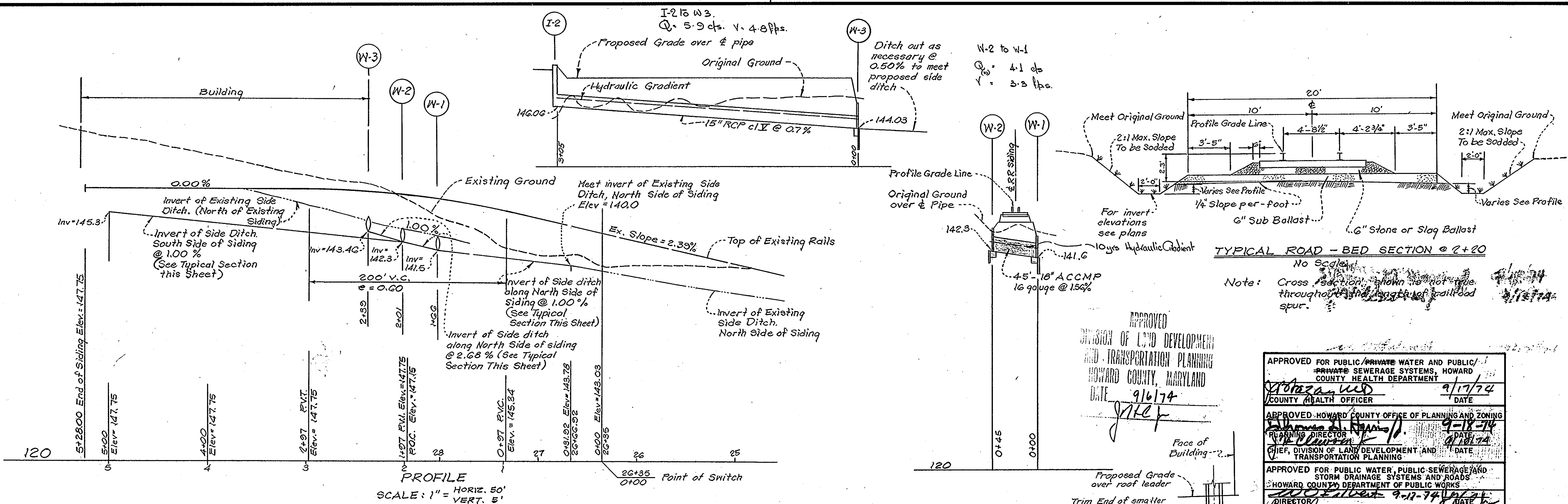
ROUTE ONE HUNDRED BUSINESS PARK
PARCEL D BLOCK F
1ST. ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
6905 San Tomas Rd.

SITE DEVELOPMENT PLAN

date: May, 1974
scale: 1" = 30'
checked: [Signature]

SD-1

BRUNING 20974



STRUCTURE SCHEDULE

NO	TYPE	TOP ELEVATION	INVERT ELEVATION	REMARKS
I-2	Class C Inlet	150.2	146.05	Howard Co. Std. Dwg. D-64-C-1110
W-1	Type C Endwall - 15" Dia.	141.50	141.50	Howard Co. Std. Dwg. D-52 Pg. 107
W-2	Type E Endwall - 15" Dia.	142.3	142.3	Howard Co. Std. Dwg. D-54 Pg. 109
W-3	Type C Endwall - 15" Dia.	143.46	143.46	Howard Co. Std. Dwg. D-54 Pg. 109
I-1	Special Inlet	---	146.00	See Details, sheet 1 & 2 of 5

* Inlet used here to provide access to roof leader system for maintenance. Provide opening in North Side.

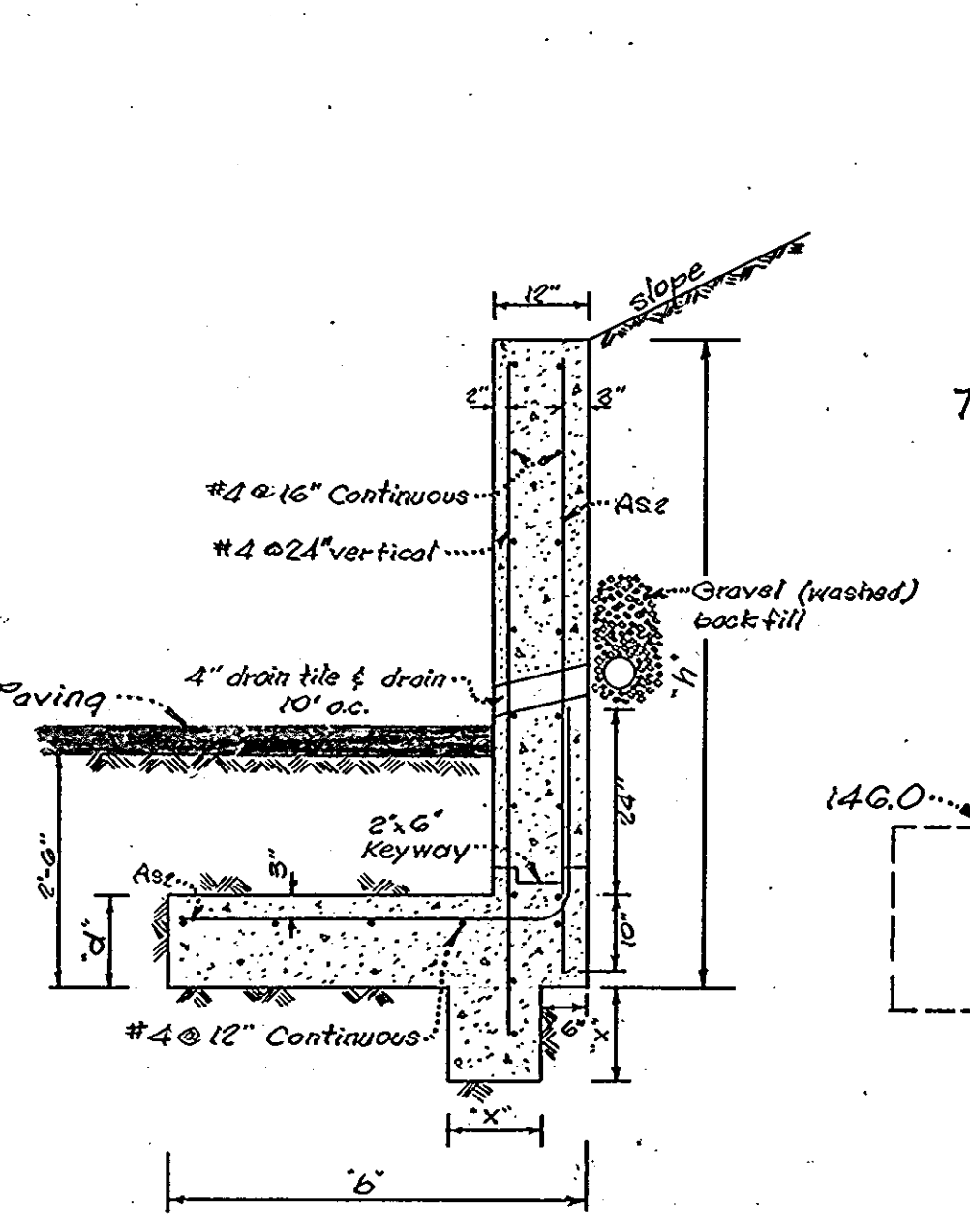
RETAINING WALL SCHEDULE

Location	Wall Ht. h	Fig. Width b	Steel Spacing	Fig. Ht. H	Key X
A	10'	8'	#7 @ 10"	16'	16"
B	10.5'	8.75'	#7 @ 9"	16'	16"
C	11.2'	9.5'	#7 @ 7"	16'	16"
D	9.5'	6.5'	#6 @ 10"	16'	16"
E	8.7'	6.0'	#6 @ 12"	16'	16"
F	8.5'	6.0'	#5 @ 12"	16'	16"
G	5.5'	4.0'	#4 @ 12"	12'	12"

PIPE SCHEDULE

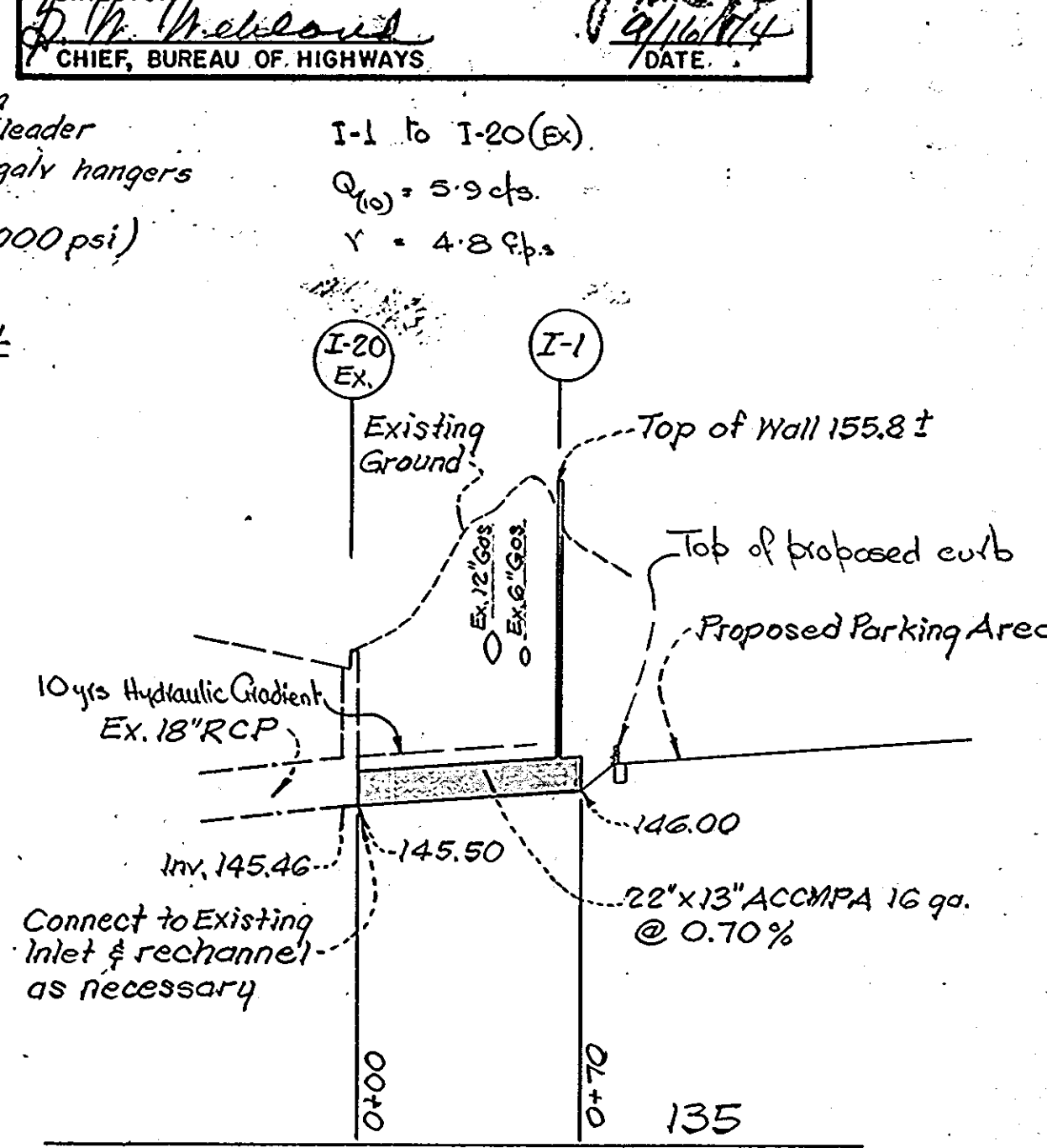
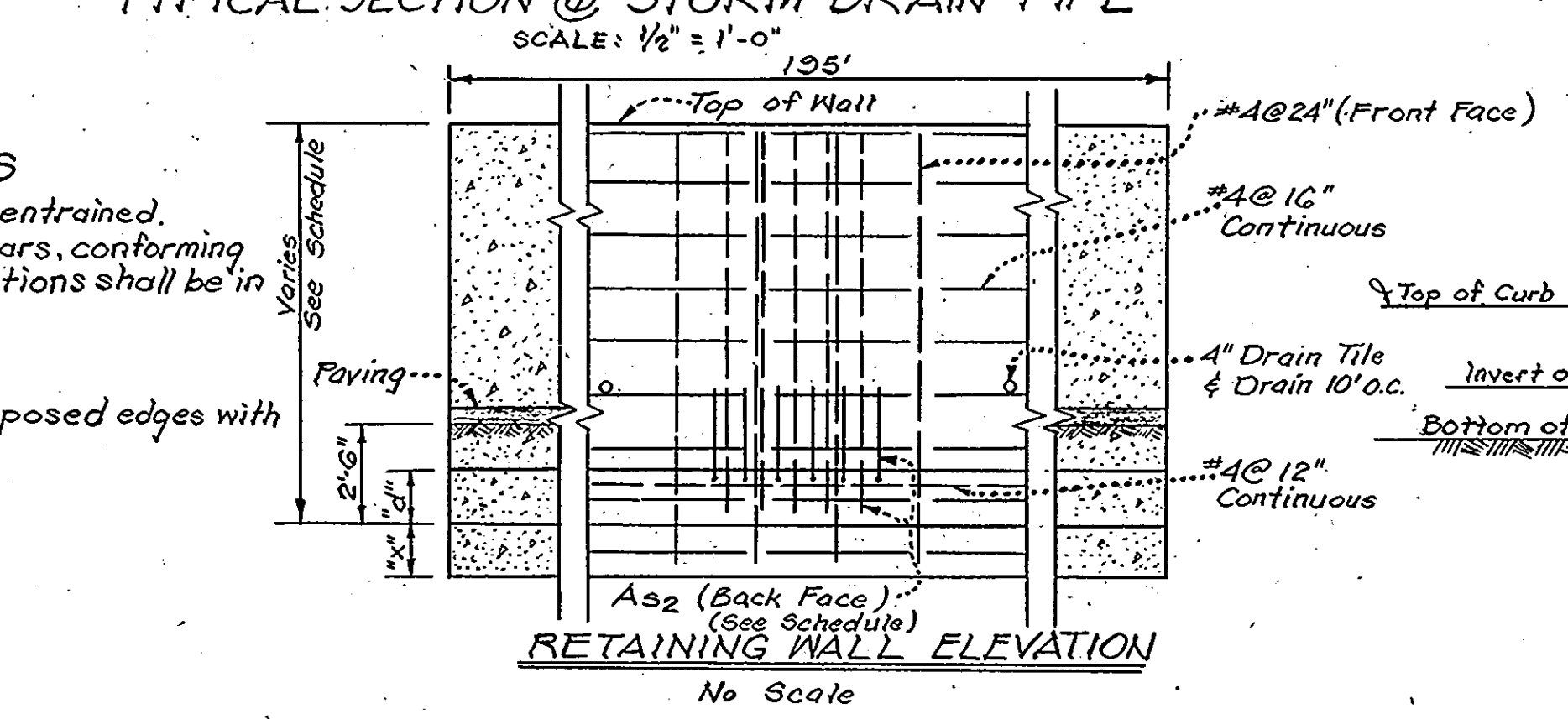
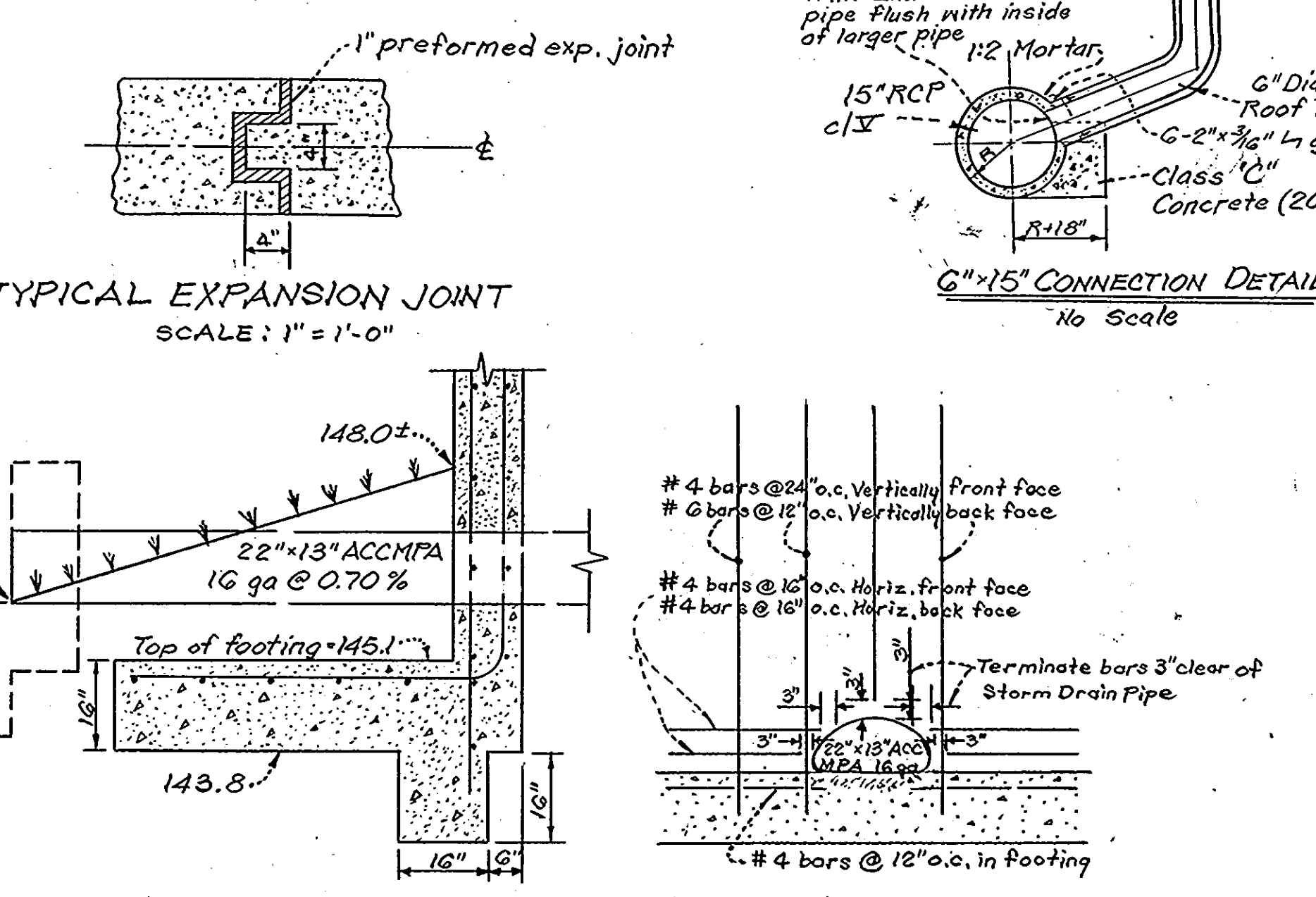
SIZE	TYPE	LENGTH
15"	RCP Cl. II	305'
15"	ACCPM 16 ga	45'
22" x 13"	ACCPM 16 ga	70'

** To be used in roof leader system.
*** Pipe to be asphalt coated and paved.



RETAINING WALL DETAIL NOTES

- All concrete shall be 3000psi at 28 days air entrained.
- Reinforcing Bars shall be new billet - steel bars, conforming to ASTM A615-68. Grade 40 Bar deformations shall be in accordance with ASTM A615-68.
- Frost line used as 2'-6".
- Locate expansion joint every 40 feet.
- Use 1" Preformed expansion joint. Cover exposed edges with mastic joint filler.



REVISIONS

DATE	DESCRIPTION	BY
3-28-08	REVISED PER 2008 EDITION OF THE MARYLAND PROFESSIONAL ENGINEERING AND SURVEYING BOARD REGULATIONS TO THE SUBMITTAL OF PLANS AND SPECIFICATIONS TO THE BOARD OF PROFESSIONAL ENGINEERS AND SURVEYORS.	JHEF

SEAL 22538 FOR 3-28-08 REVISIONS ONLY.

OWNER: **BAKER - FIRESTONE PROPERTIES**
316 Courtland Avenue, Stamford, Connecticut 06906 (203)348-9293

project: **ROUTE ONE HUNDRED BUSINESS PARK PARCEL D BLOCK F 1ST. ELECTION DISTRICT HOWARD COUNTY, MARYLAND**

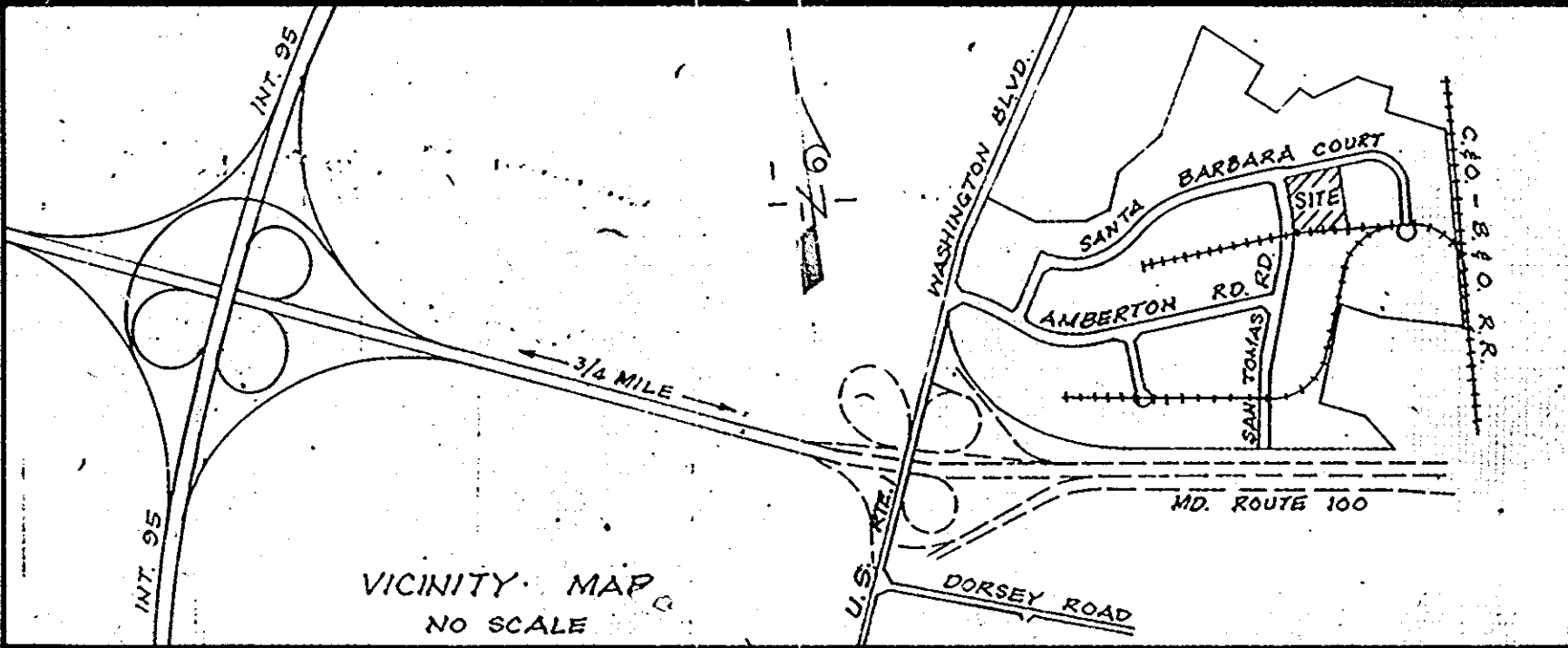
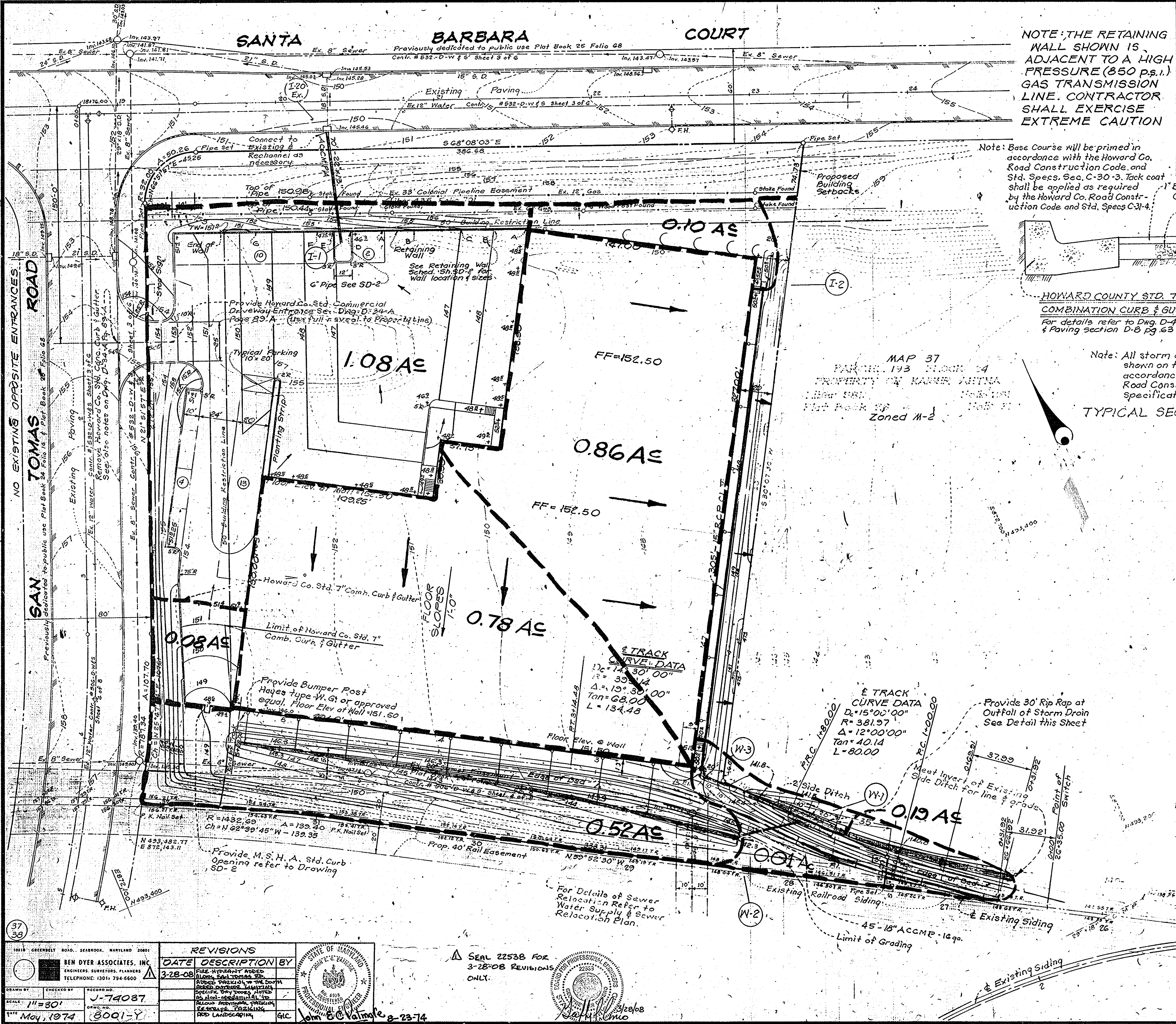
drawing title: **PROFILES AND MISCELLANEOUS DETAILS SITE DEVELOPMENT PLAN**

date: May, 1974
scale: As shown
checked: [Signature]

sheet 2 of 10
SD-2

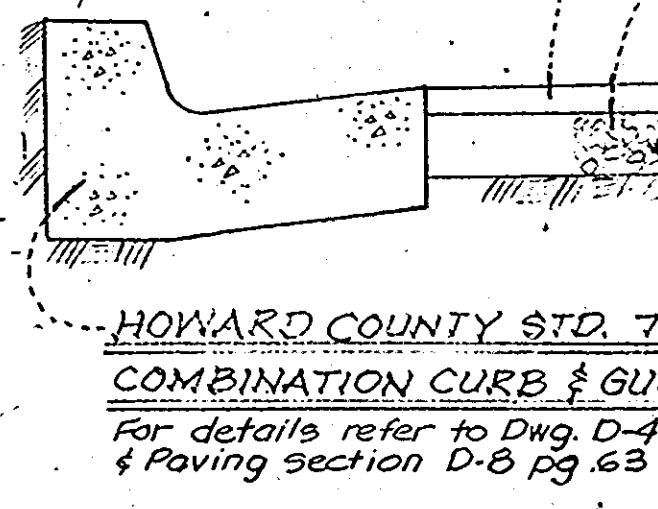
BRUNING 20074

SDP-74-112



NOTE: THE RETAINING WALL SHOWN IS ADJACENT TO A HIGH PRESSURE (850 P.S.I.) GAS TRANSMISSION LINE. CONTRACTOR SHALL EXERCISE EXTREME CAUTION

Note: Base Course will be primed in accordance with the Howard Co. Road Construction Code and Std. Specs. Sec. C-30-3. Tack coat shall be applied as required by the Howard Co. Road Construction Code and Std. Specs. C-31-4.



HOWARD COUNTY STD. 7" COMBINATION CURB & GUTTER For details refer to Dwg. D-40 pg. 95 & Paving section D-8 pg. 63

TYPICAL SECTION PARKING AREA NO SCALE

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

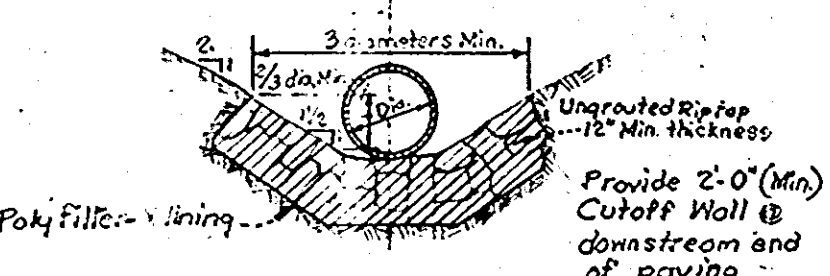
APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING

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

SITE DATA

- Zoned M-2
- Area of Site = 171,026.4 S.F. or 3.94 Ac.
- Area of Building = 71,600 S.F. (41% Coverage)
- Contour Interval = 1'
- Restrictions

Required	Provided
Building Setback	50'
Height	30'
Parking (1sp/2em.-58 em)	20 Sp.
Space	200 S.F.-9' wide
Aisle	24'
- The base topography shown hereon is taken from a survey by George William Stevens, Jr. & Associates, Inc. 303 Alleghany Ave. Towson 4, Maryland Drawing # P.N. 3215 Dated April 15, 1974
- Tax Map N2 37
- Soil Bearing Value = 3000 p.s.f.
- Type of Uses = Warehouse & Office w/ 71,000 S.F. total floor space (1 Floor-no sales area)
- See SD-2 for retaining wall details.



TYPICAL SECTION RIPRAP PAVING NO SCALE

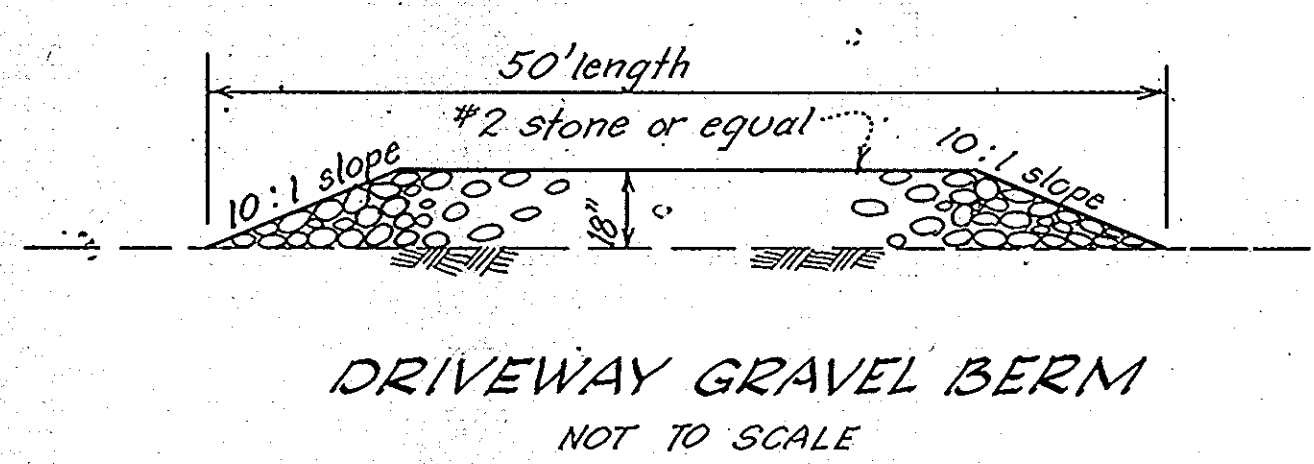
REVISIONS	
DATE	DESCRIPTION
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	ADDED: PROPOSED 10' x 20' TYPICAL PARKING STRIP
	ADDED: PROPOSED 10' x 20' TYPICAL PARKING STRIP
	ADDED: PROPOSED 10' x 20' TYPICAL PARKING STRIP
	ADDED: PROPOSED 10' x 20' TYPICAL PARKING STRIP
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SEAL 22538 FOR 3-28-08 REVISIONS ONLY.

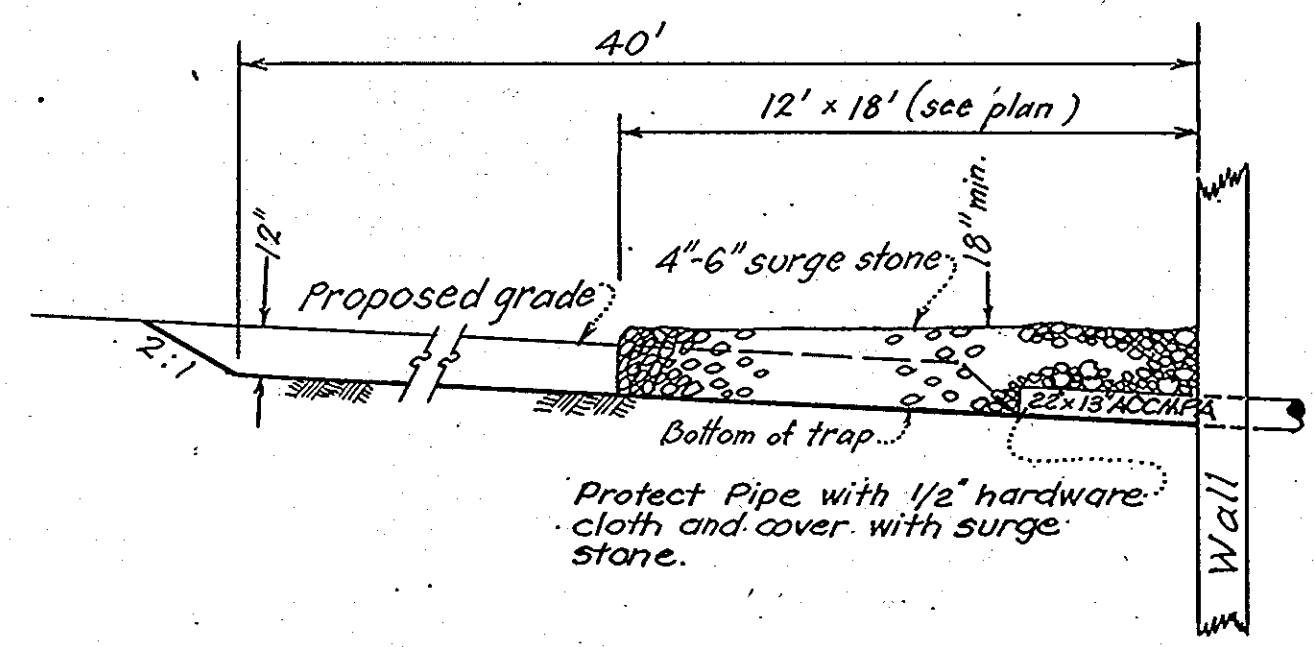
STATE OF MARYLAND PROFESSIONAL ENGINEER

John C. Valente 8-23-74

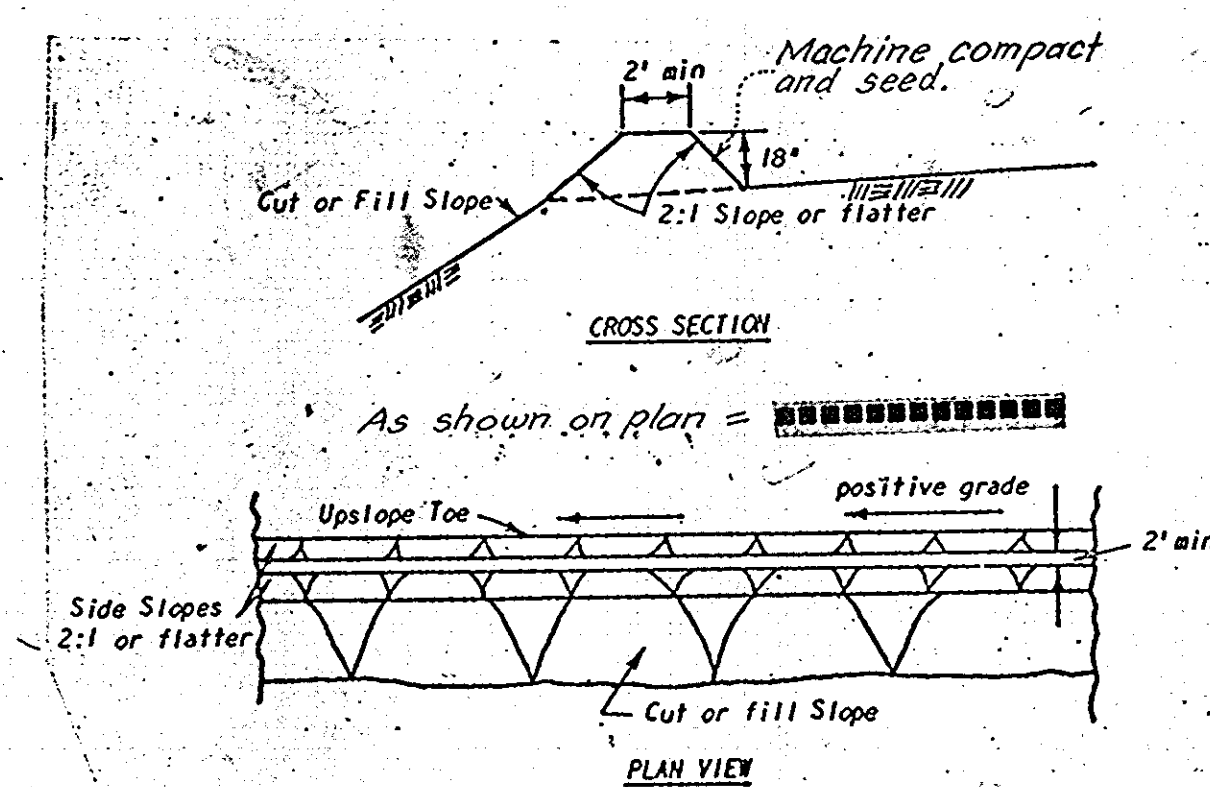
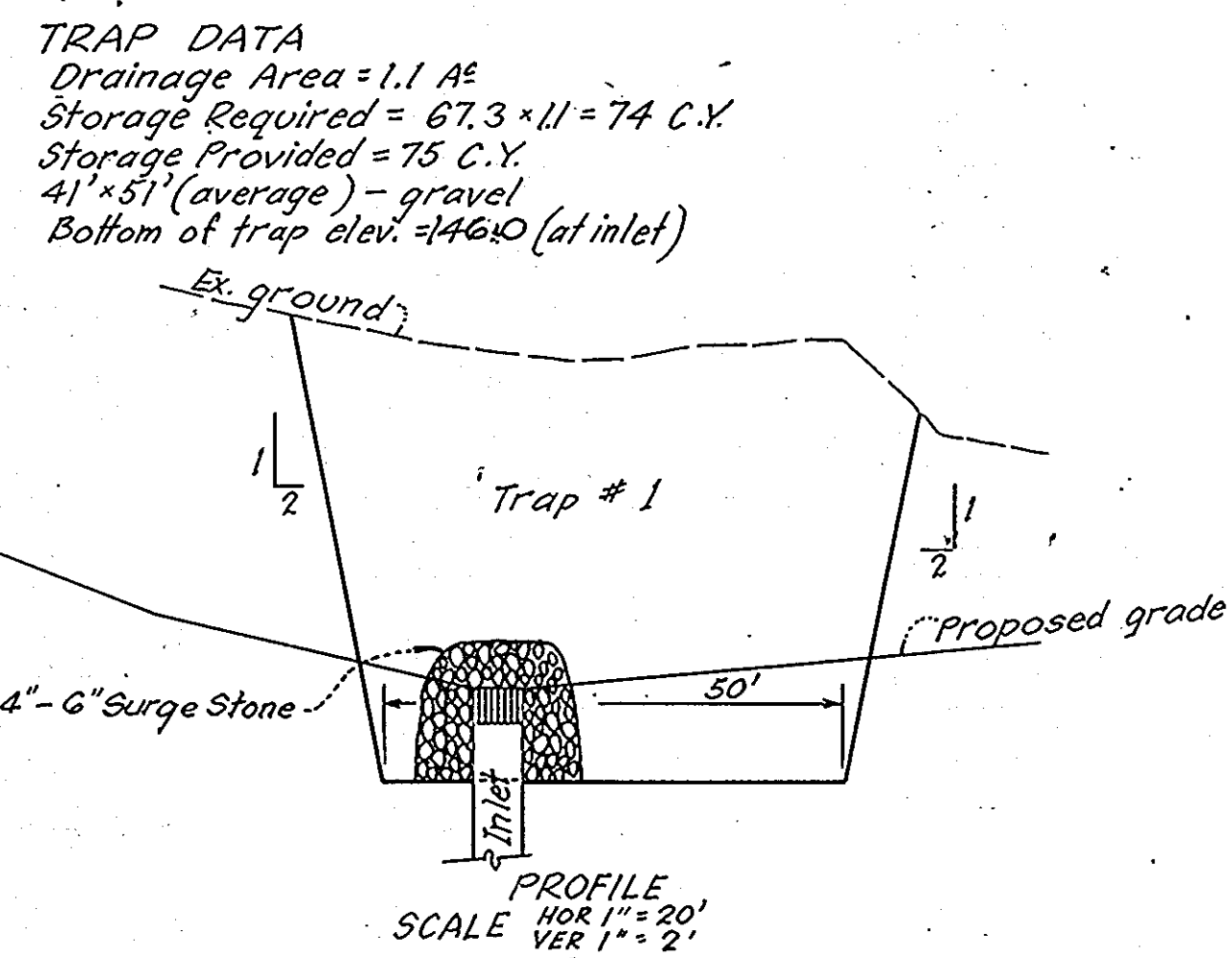
50P-74-112



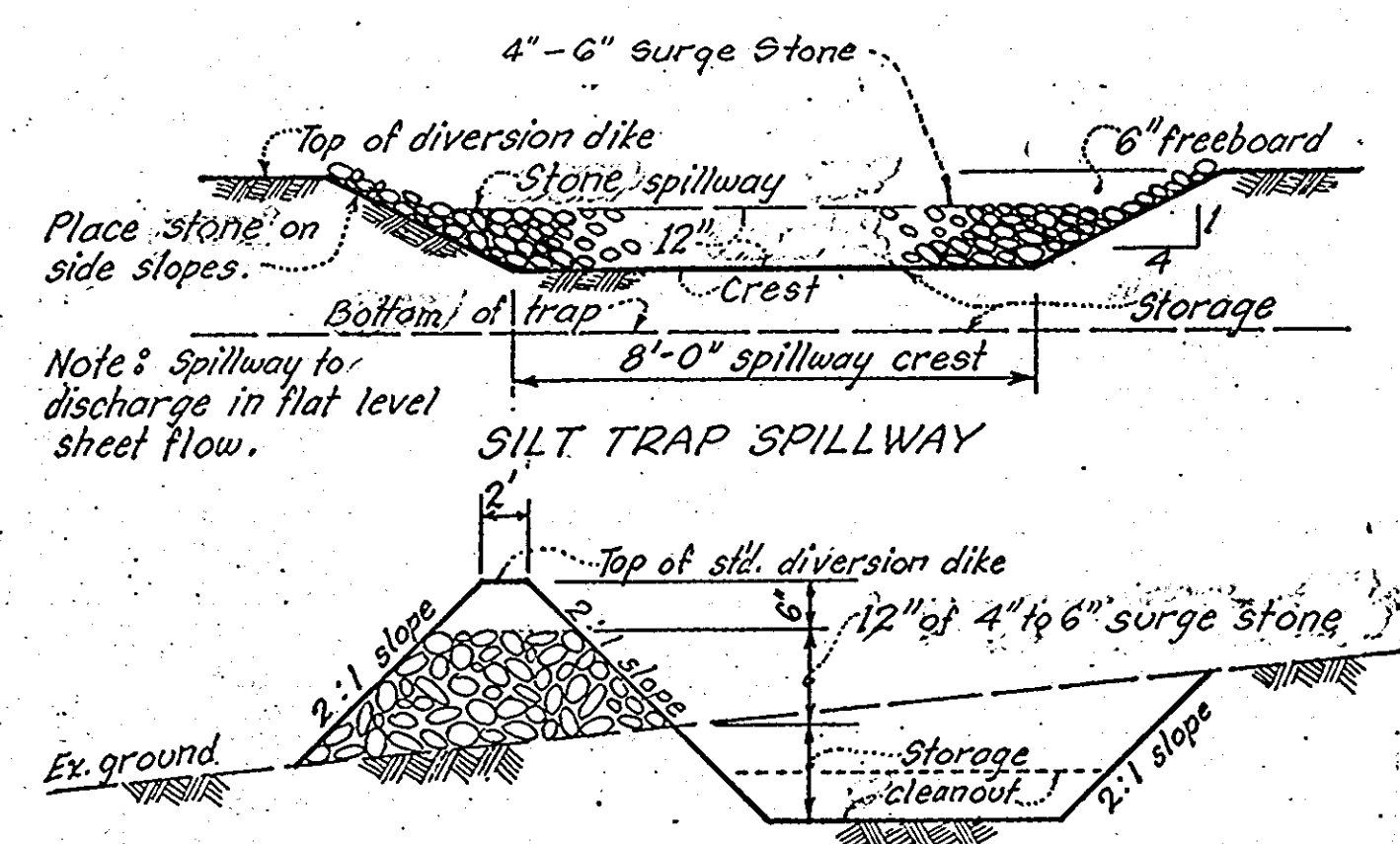
DRIVEWAY GRAVEL BERM
NOT TO SCALE



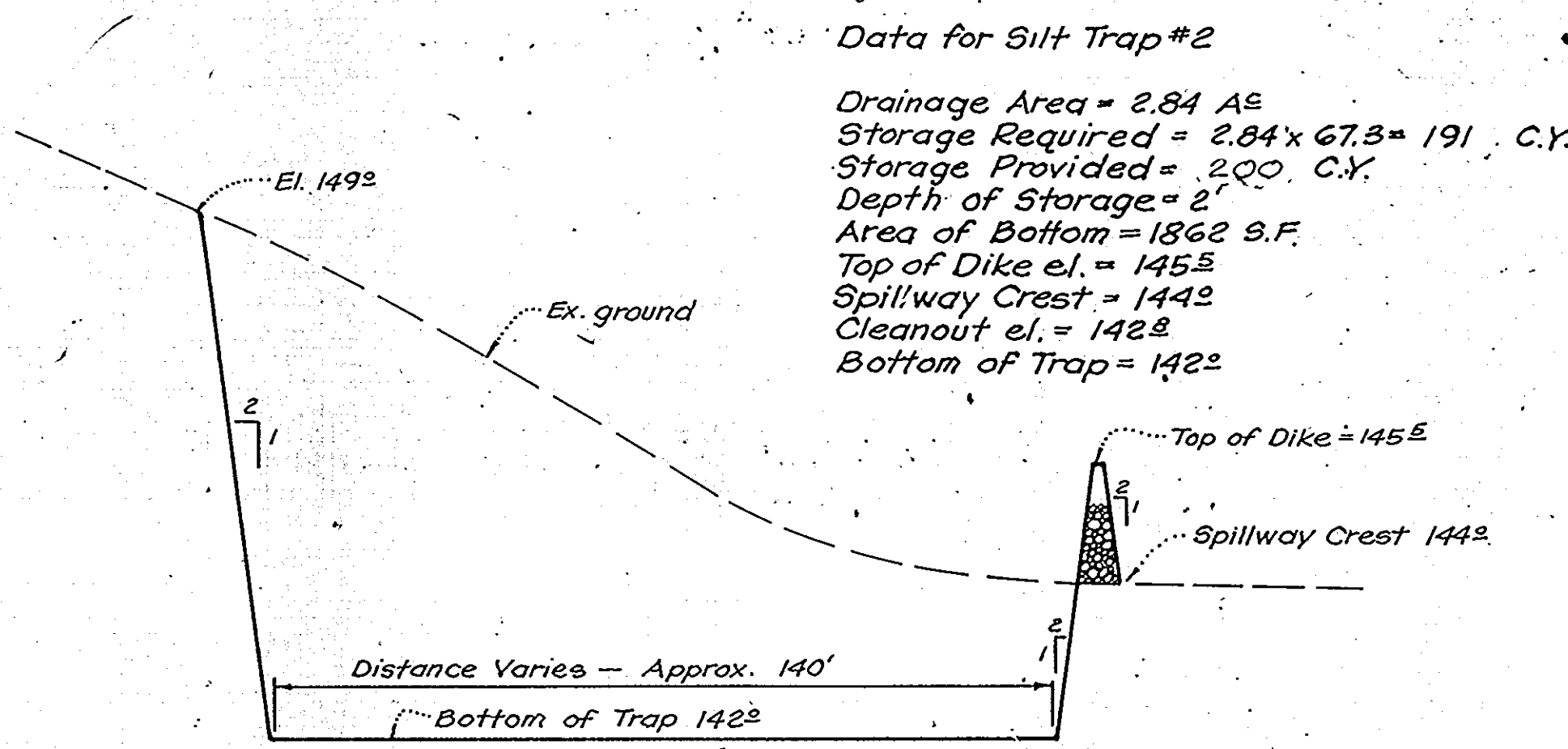
SECTION
SILT TRAP #1
NOT TO SCALE



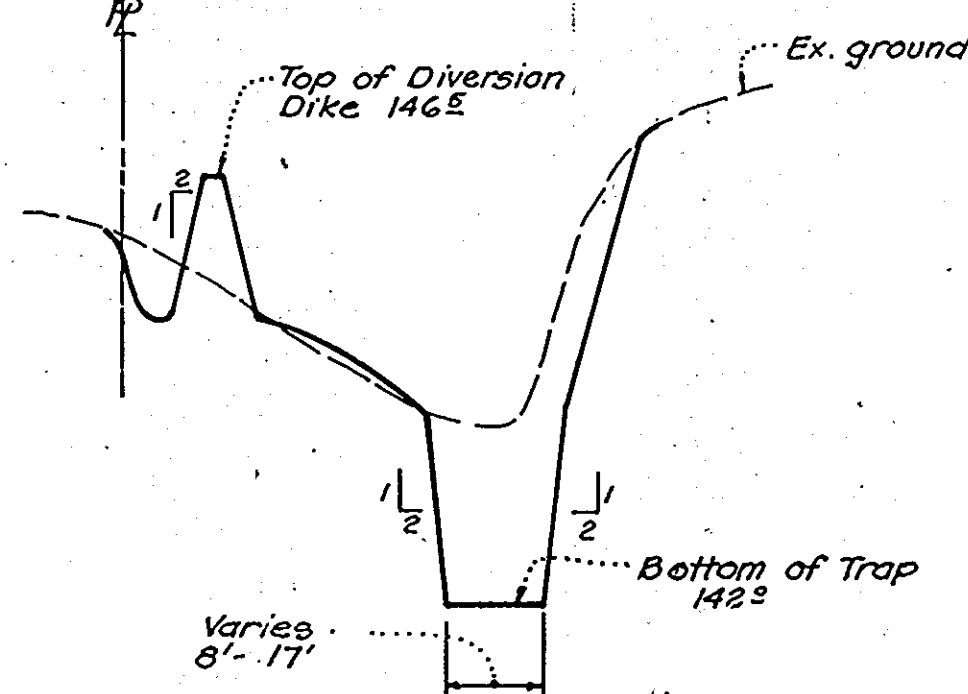
DIVERSION DIKE
NOT TO SCALE



SECTION THRU SILT TRAP
NOT TO SCALE



PROFILE
SILT TRAP #2
NOT TO SCALE



SECTION
Scale
Hor 1" = 20'
Vert 1" = 2'

Data for Silt Trap #2
Drainage Area = 2.84 A^2
Storage Required = 2.84 x 67.3 = 191 C.Y.
Storage Provided = 200 C.Y.
Depth of Storage = 2'
Area of Bottom = 1862 S.F.
Top of Dike el. = 145.5
Spillway Crest = 144.2
Cleanout el. = 142.2
Bottom of Trap = 142.2

By the Developer:
I certify that all development and/or construction will be done according to this plan of development and plan for Erosion and Sediment Control, and I also authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents, as are deemed necessary.

Signature of Developer: *Harry D. Jefferson Jr.* Date: 5-14-74

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: *William N. Stelle* Date: 5-14-74

- SEQUENCE OF CONSTRUCTION
1. Install storm drain and utilities, blocking headwall at silt trap #2 location.
 2. Install silt traps, and diversion berms.
 3. Rough grade, except at track spur area.
 4. Start building construction.
 5. Install curb and gutter at all sections except at silt trap areas.
 6. Fine grade except at track spur area.
 7. Stabilize all areas except silt traps and track spur area.
 8. Rough grade and fine grade track spur area reducing silt trap #2 as necessary.
 9. Finish construction.
 10. Pave parking areas.
 11. Remove all sediment control devices and pave and stabilize remaining areas.

FINAL STABILIZATION NOTE
All areas flatter than 3:1 slope, except those areas to be paved shall be seeded with a mixture of Kentucky 31 (75%) tall fescue and Korean Lespedeza innoculated and shall be applied at the rate of 65 lbs./Ac. Fertilization (10-10-10) shall be applied to these areas at the rate of 1000 lbs./Ac. Lime shall be applied to these areas at the rate of 50 lbs per 1000 square feet. Mulch shall be applied in accordance with Note #1 of the Sediment Control Notes.

- SEDIMENT CONTROL NOTES
1. All areas disturbed by on site grading will be treated with mulch material of unchopped, unweathered small grain straw at rate of 1 1/2 to 2 tons per acre. Bird with liquid asphalt, rapid curing (RC-70, RC-250 or RC-800) at 2.1 gal./sq. yd.
 - * 2. Slopes steeper than 3:1 will be covered with Phlox subulata or equivalent at 12" B.C.C. Slopes will be covered with straw mulch. Mulch will be applied in accordance with Note No. 1.
 3. All berms and dikes will be stabilized with unchopped, unweathered, small grain straw. See Note 1 for treatment.
 4. Structural methods, such as berms, dikes, traps, etc. will be installed and stabilized according to this plan prior to any other grading, clearing, or disturbance of the existing surface of the site.
 5. All structural sediment control measures are to remain in place until permission for their removal from the Howard Soil Conservation District, phone 465-3180 or 465-5000 - Ext. 328, has been granted.
 6. Notify the Howard Soil Conservation District at least 24 hr. before starting work.
- * Preparation for Phlox subulata:
50 lb. lime per 1000 S.F. and 40 lb. of 5-10-5 per 1000 S.F.
25 lb. of lime and 20 lbs of fertilizer to be mixed in with soil. Remaining 25 lb of lime and 20 lb. of fertilizer to be placed on top of soil and raked in.

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT	9/17/74
<i>[Signature]</i> COUNTY HEALTH OFFICER	DATE
APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING	9-18-74
<i>[Signature]</i> PLANNING DIRECTOR	DATE
CHIEF DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING	9/18/74
DATE	
APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS	9-17-74
HOWARD COUNTY, DEPARTMENT OF PUBLIC WORKS	DATE
<i>[Signature]</i> DIRECTOR	9/16/74
<i>[Signature]</i> CHIEF, BUREAU OF HIGHWAYS	DATE

Reviewed for Howard Co. S.C.D.
and meets Technical Requirements
of *[Signature]* Date 9-10-74
Signature
U.S. Soil Conservation Service

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
Approved *[Signature]* Date 9-10-74
HOWARD S.C.D.

DATE	REVISIONS	BY
6-17-74	Berms to silt traps	D.M.G.
7-24-74	REMOVED SILT TRAP #3	JLB
3-28-08	SIZE INCREASING TO 2" TO 3" (SEE PLAN)	GLC

DRAWN BY: *[Signature]* CHECKED BY: *[Signature]* RECORD NO: J-74037
SCALE: As Shown DATE: May, 1974 40,002-Y

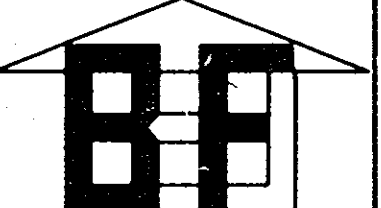
Local Representative
Baker Firestone Properties
1 Tysons Corner Office Building
Tysons Corner, Va.
893-1020
Mr. C. Bready or Mr. H. Jefferson

SEAL 22538 FOR 3-28-08 REVISIONS ONLY.



DONALD B. McLEOD ARCHITECT
316 Courtland Avenue, Stamford, Connecticut 06906 (203) 348-9293

BAKER - FIRESTONE PROPERTIES
316 Courtland Avenue, Stamford, Connecticut 06906 (203) 348-9293
RESPONSIBLE OFFICER: MR. HARRY D. JEFFERSON



project ROUTE ONE HUNDRED BUSINESS PARK
PARCEL D BLOCK F
1ST ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

drawing title DETAIL SHEET FOR
SEDIMENT CONTROL PLAN

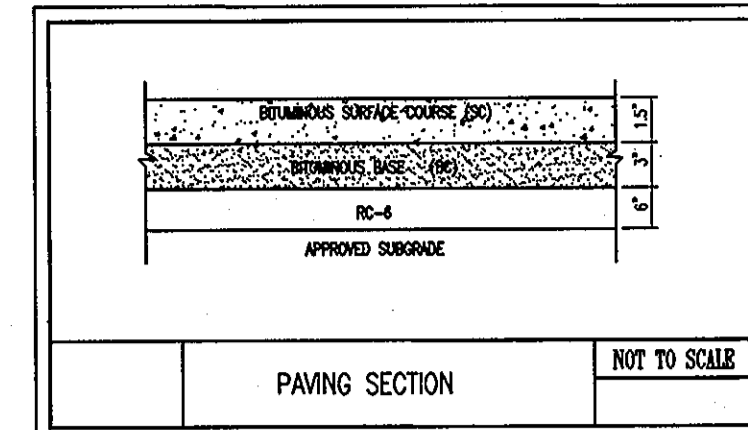
date: May, 1974
scale: AS SHOWN
checked: SD-5

GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY PLUS MSHA STANDARDS AND SPECIFICATIONS IS APPLICABLE.
2. THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/BUREAU OF ENGINEERING/CONSTRUCTION INSPECTION DIVISION AT (410) 313-1880 AT LEAST (5) WORKING DAYS PRIOR TO THE START OF WORK.
3. THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK BEING DONE.
4. TRAFFIC CONTROL DEVICES, MARKINGS AND SIGNING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). ALL STREET AND REGULATORY SIGNS SHALL BE IN PLACE PRIOR TO THE PLACEMENT OF ANY ASPHALT.
5. ALL PLAN DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
6. THE EXISTING TOPOGRAPHY IS TAKEN FROM FIELD RUN SURVEY WITH ONE FOOT CONTOUR INTERVALS PREPARED BY JOHNSON, BERNAT, ASSOC. INC. DATED 11/16/2007.
7. THE COORDINATES SHOWN HEREON ARE BASED UPON THE HOWARD COUNTY GEODETIC CONTROL, WHICH IS BASED UPON THE MARYLAND STATE PLANE COORDINATE SYSTEM.
8. WATER IS PRIVATE.
9. SEWER IS PRIVATE.
10. NO STORMWATER MANAGEMENT IS PROPOSED FOR THIS SITE.
11. EXISTING UTILITIES ARE BASED ON FIELD SURVEY AND AVAILABLE RECORDS.
12. THERE IS NO FLOODPLAIN ON THIS SITE.
13. THERE ARE NO WETLANDS ON THIS SITE.
14. NO TRAFFIC STUDY IS REQUIRED FOR THIS PROJECT.

PURPOSE STATEMENT

THE PURPOSE OF ADDING SHEETS 6,7,8,9 & 10 TO SDP 74-112 IS FOR BETTER CLARIFICATION, AS PART OF THE REDLINE PROCESS, FOR THE ADDITION OF A PARKING AREA AT THE SOUTHERN END OF THE SITE, RESTRIPING OF THE PARKING AREAS AND LOADING DOCK, EXTENSION/OPTION OF ISLANDS IN THE LOADING AREA AND WEST OF THE EXISTING BUILDING, ADDITION OF A PUBLIC FIRE HYDRANT, ADDITION OF OUTDOOR LIGHTING, SITE LANDSCAPING AND NOTING OF SPECIFIC LOADING DOORS TO BE NON-OPERATIONS FOR THE ADDITION OF PARKING SPACES.



*** SITE ANALYSIS**

SITE AREA	171,626 sf	3.94 acres
PROPERTY ZONING	M-2	
PROPERTY USE	MANUFACTURING/WAREHOUSE/OFFICE	
	MANUFACTURING - 14,569 sf	
	WAREHOUSE - 55,550 sf	
	OFFICE - 2,906 sf	
EMPLOYEES	MANUFACTURING - 35	
BUILDING COVERAGE	42.5% (73,025 sf)	
TAX MAP NUMBER	37	
MAP GRID	19	
PARCEL	586	
	REQUIRED	PROPOSED
BUILDING SETBACK	50'	53'
BUILDING HEIGHT	50' MAX.	30'
PARKING SETBACK	10' MIN.	10' MAX.
EXISTING IMPERVIOUS AREA	118,284 sf	68.9%
PROPOSED IMPERVIOUS AREA (NET)	2,361 sf	
20% OF TOTAL SITE IMPERVIOUS	23,657 sf	
LIMIT OF DISTURBANCE SDP-74-112	149,013 sf	
LIMIT OF DISTURBANCE REDLINE #1 3-28-08	27,953 sf	

PARKING REQUIRED	PROPOSED
MANUFACTURING (1 SPACE/EMPLOYEE)=35	62x9-9'x18' PERP. SPACES
WAREHOUSE (0.5 SPACES/1,000 SF)=28	8x8-8'x21' PARALLEL SPACES
OFFICE (3.3 SPACES/1,000 SF)=10	4-HANDICAP SPACES
73 TOTAL SPACES REQUIRED	74x TOTAL SPACES PROVIDED

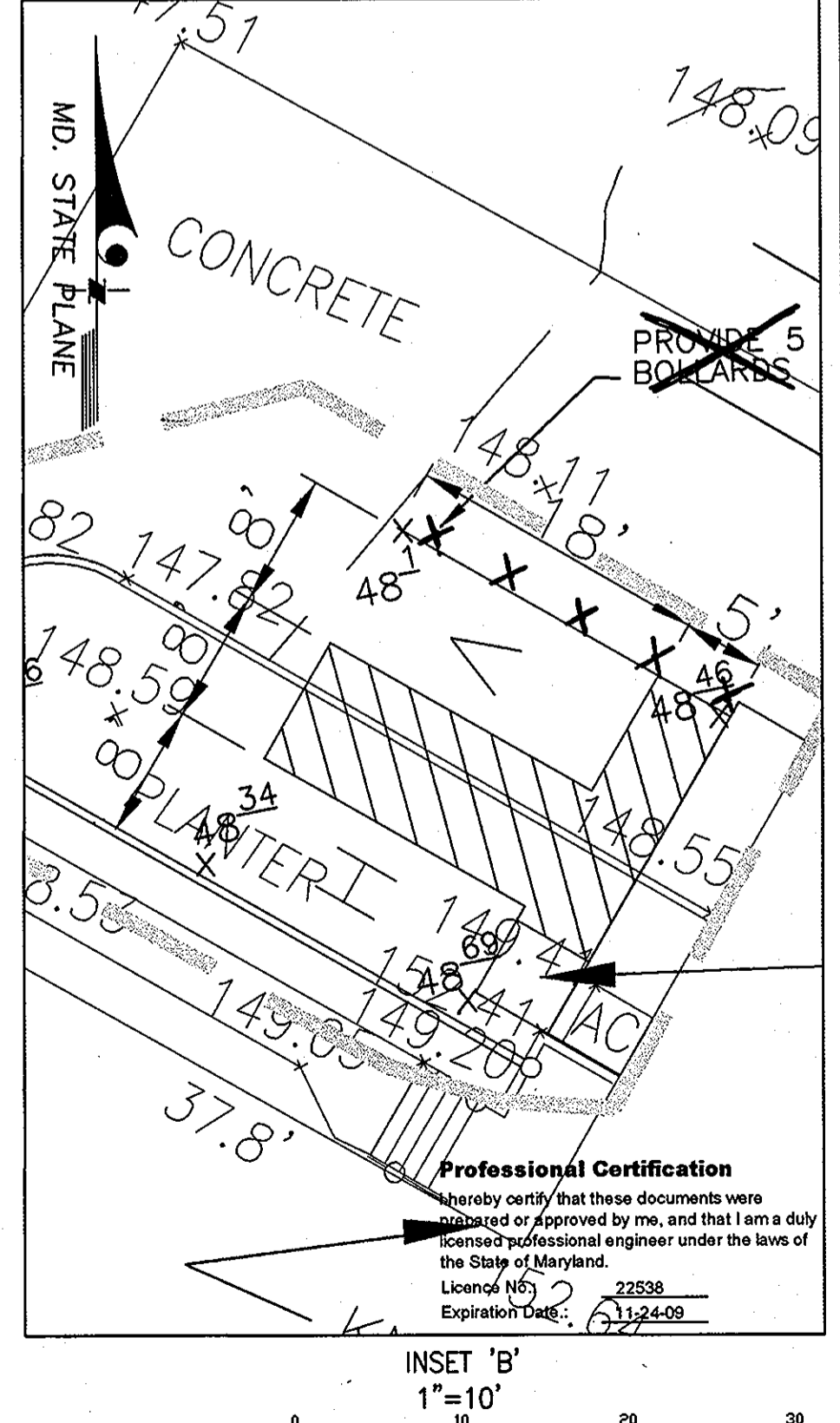
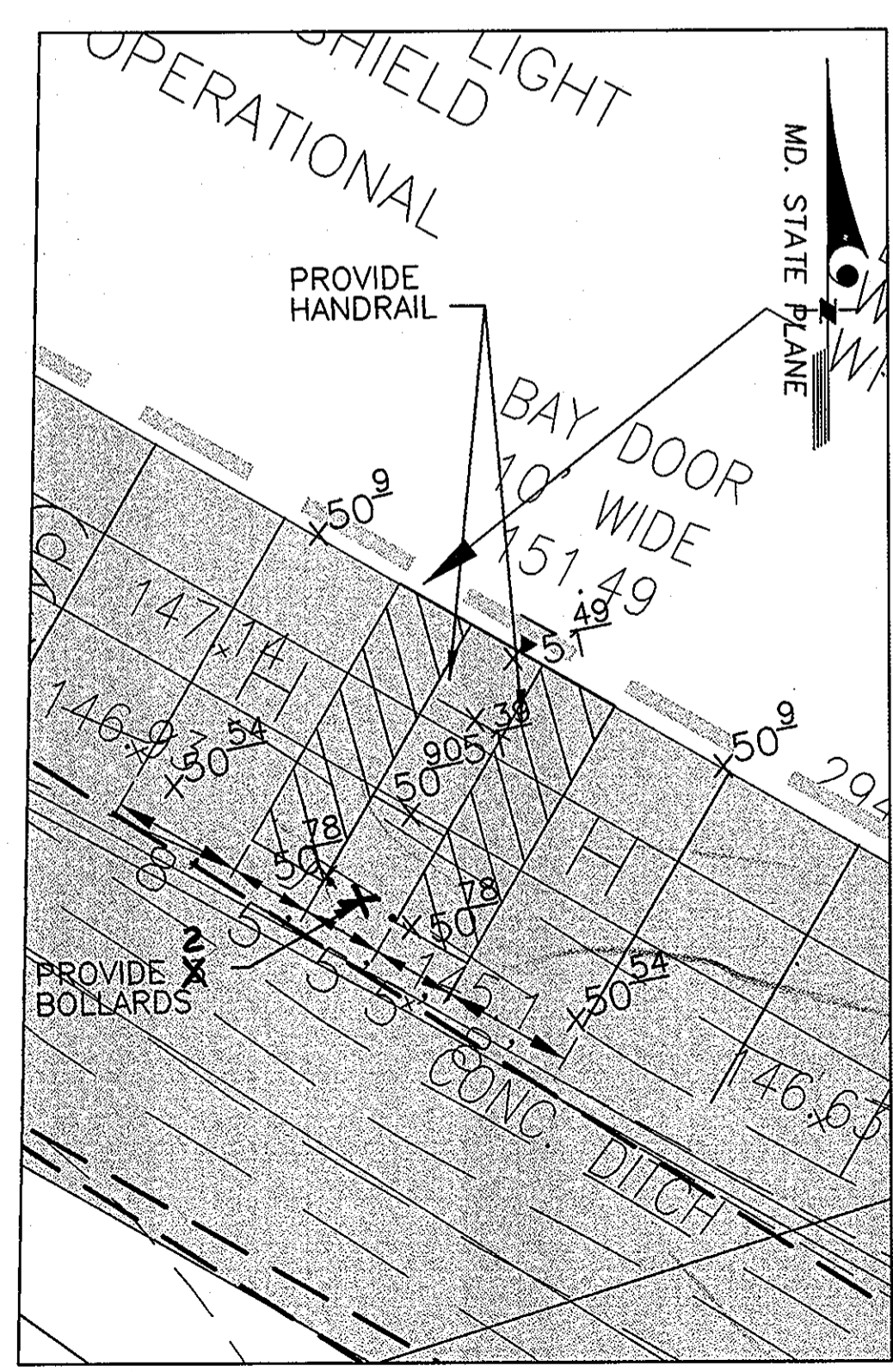
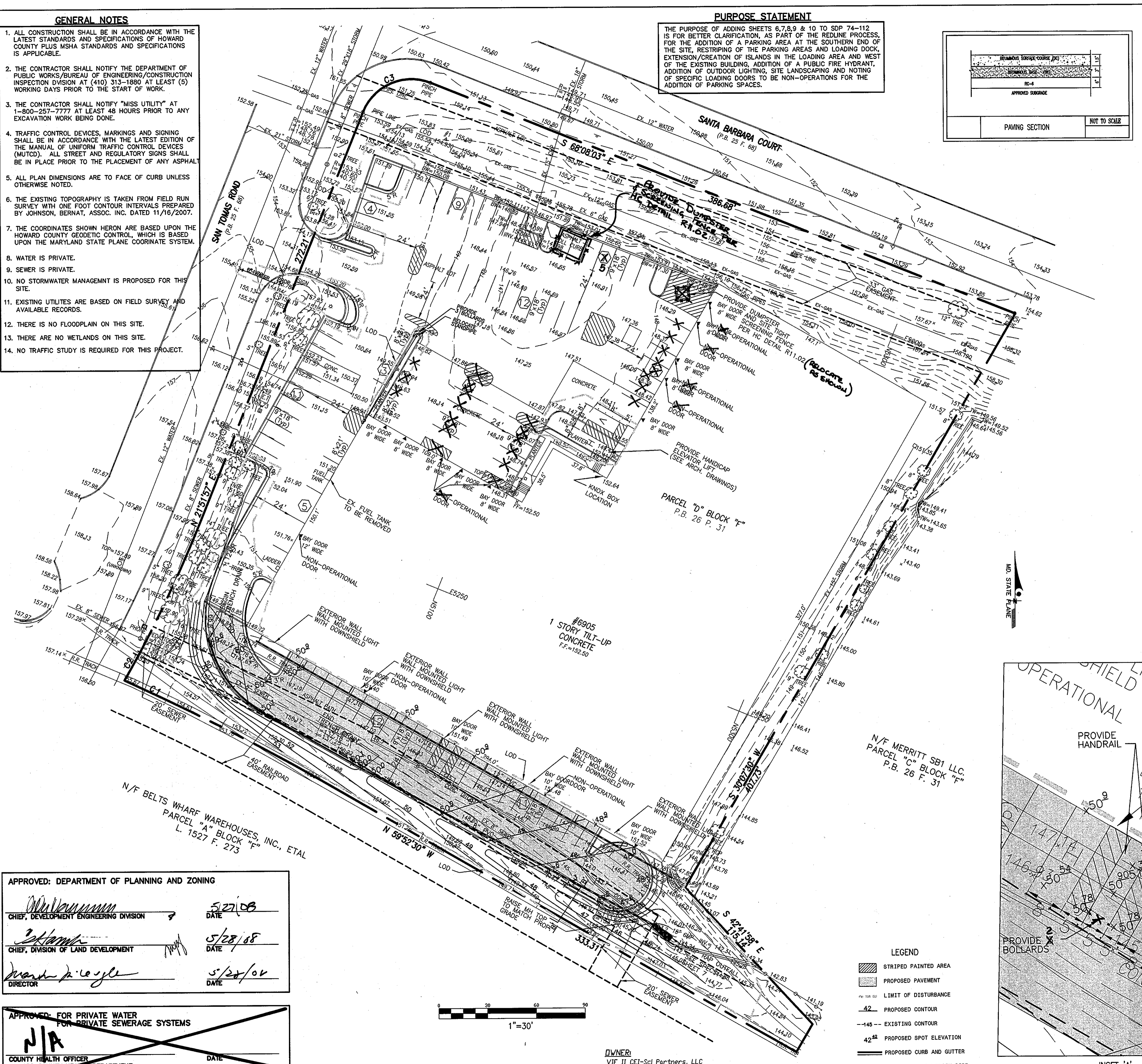
* THE SITE LOD HAS NOT INCREASED FROM THE ORIGINAL SUBMISSION (SDP-74-112)

THE REVISIONS SHOWN HEREON ARE EXEMPT FROM THE HOWARD COUNTY CODE FOR FOREST CONSERVATION BECAUSE THE NEW LIMIT OF DISTURBANCE SHOWN ON THIS SHEET DOES NOT EXTEND BEYOND THE ORIGINAL LIMIT OF DISTURBANCE SHOWN ON SHEET 1.

A KNOX BOX IS TO BE PLACED, AS SHOWN ON THE PLANS AT A HEIGHT OF 4'-5" AND NO MORE THAN 6' LATERALLY FROM THE FRONT DOOR.

OUTDOOR LIGHTING USED TO ILLUMINATE OFF-STREET PARKING AREAS SHALL BE SO ARRANGED AS TO DIRECT THE LIGHT DOWN, TOWARDS THE PARKING AREA, AND AWAY FROM THE ADJOINING PUBLIC STREET RIGHT-OF-WAY AND SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 134 OF THE ZONING REGULATIONS.

THE PERMIT APPLICATION DEADLINE FOR THE NEWLY PROPOSED CHANGES (NEW PARKING LOT TO THE SOUTH, NEW FIRE HYDRANT, ISLAND EXTENSIONS TO THE NORTH AND WEST, AND OVERALL LANDSCAPING) TO THE SITE SHOWN HEREON IS 03-28-09.



- LEGEND**
- STRIPED PAINTED AREA
 - PROPOSED PAVEMENT
 - LIMIT OF DISTURBANCE
 - PROPOSED CONTOUR
 - EXISTING CONTOUR
 - PROPOSED SPOT ELEVATION
 - PROPOSED CURB AND GUTTER
 - PROPOSED STORM DRAIN PIPE

APPROVED: DEPARTMENT OF PLANNING AND ZONING

CHIEF, DEVELOPMENT ENGINEERING DIVISION	DATE
<i>[Signature]</i>	5/21/08
CHIEF, DIVISION OF LAND DEVELOPMENT	DATE
<i>[Signature]</i>	5/28/08
DIRECTOR	DATE
<i>[Signature]</i>	5/28/08

APPROVED FOR PRIVATE WATER FOR PRIVATE SEWERAGE SYSTEMS

N/A

COUNTY HEALTH OFFICER
HOWARD COUNTY HEALTH DEPARTMENT

OWNER:
VIF II CEI-Sci Partners, LLC
9811 Irvine Center Drive
Irvine, CA 92618

J.B.A.
Johnson • Bernat • Associates, Inc.
1395 Piccard Drive, Suite 350
Rockville, Maryland 20850
Tel. (301) 963-1133
Fax: (301) 963-6306
www.jba-inc.net

Engineering • Surveying • Planning

REVISIONS PRIOR TO APPROVAL	NO.	DATE	DESCRIPTION
1			REVISED 10.15.08 TO SHOW 12' WIDE BAY DOOR AND 12' WIDE BAY DOOR
2			REVISED 10.15.08 TO SHOW 12' WIDE BAY DOOR AND 12' WIDE BAY DOOR
3			REVISED 10.15.08 TO SHOW 12' WIDE BAY DOOR AND 12' WIDE BAY DOOR
4			REVISED 10.15.08 TO SHOW 12' WIDE BAY DOOR AND 12' WIDE BAY DOOR
5			REVISED 10.15.08 TO SHOW 12' WIDE BAY DOOR AND 12' WIDE BAY DOOR
6			REVISED 10.15.08 TO SHOW 12' WIDE BAY DOOR AND 12' WIDE BAY DOOR
7			REVISED 10.15.08 TO SHOW 12' WIDE BAY DOOR AND 12' WIDE BAY DOOR
8			REVISED 10.15.08 TO SHOW 12' WIDE BAY DOOR AND 12' WIDE BAY DOOR
9			REVISED 10.15.08 TO SHOW 12' WIDE BAY DOOR AND 12' WIDE BAY DOOR
10			REVISED 10.15.08 TO SHOW 12' WIDE BAY DOOR AND 12' WIDE BAY DOOR

ROUTE 100 BUSINESS PARK
PARCEL 'D' BLOCK 'F'
6905 SAN TOMAS ROAD
REVISED SITE DEVELOPMENT PLAN

1ST ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

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.
Licenses No. 22538
Expiration Date: 11/24/09

Geoffrey Lin Chiero
Professional Engineer
No. 22538
11/24/09

PLAN NO.:
SCALE: AS NOTED
DATE: 03-28-08
SHEET 6 OF 10
FILE NO: 07-080

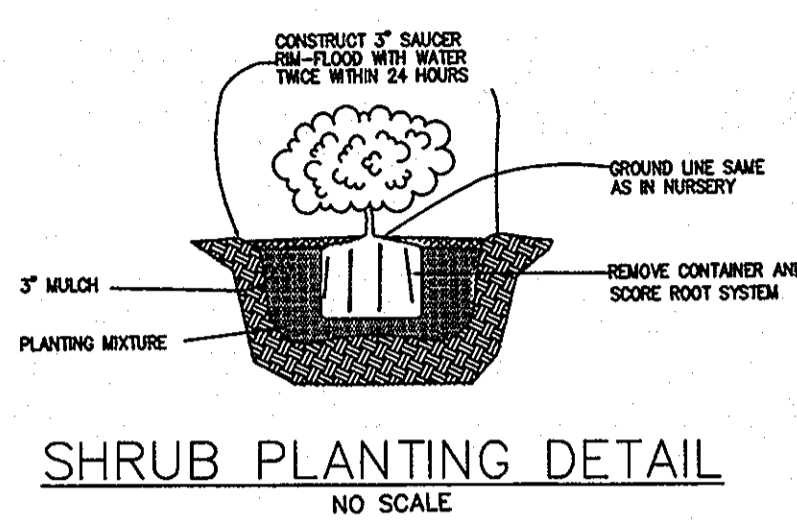
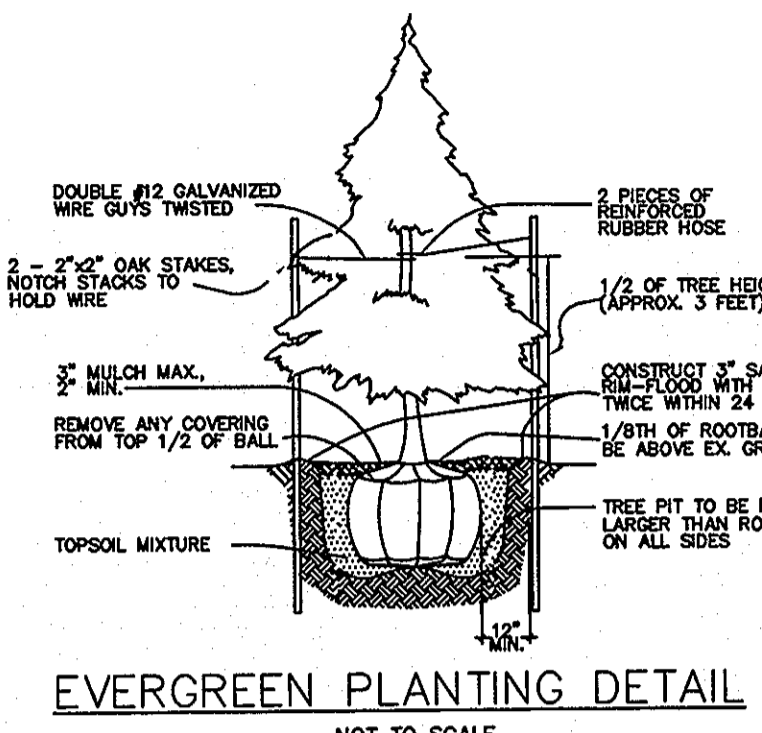
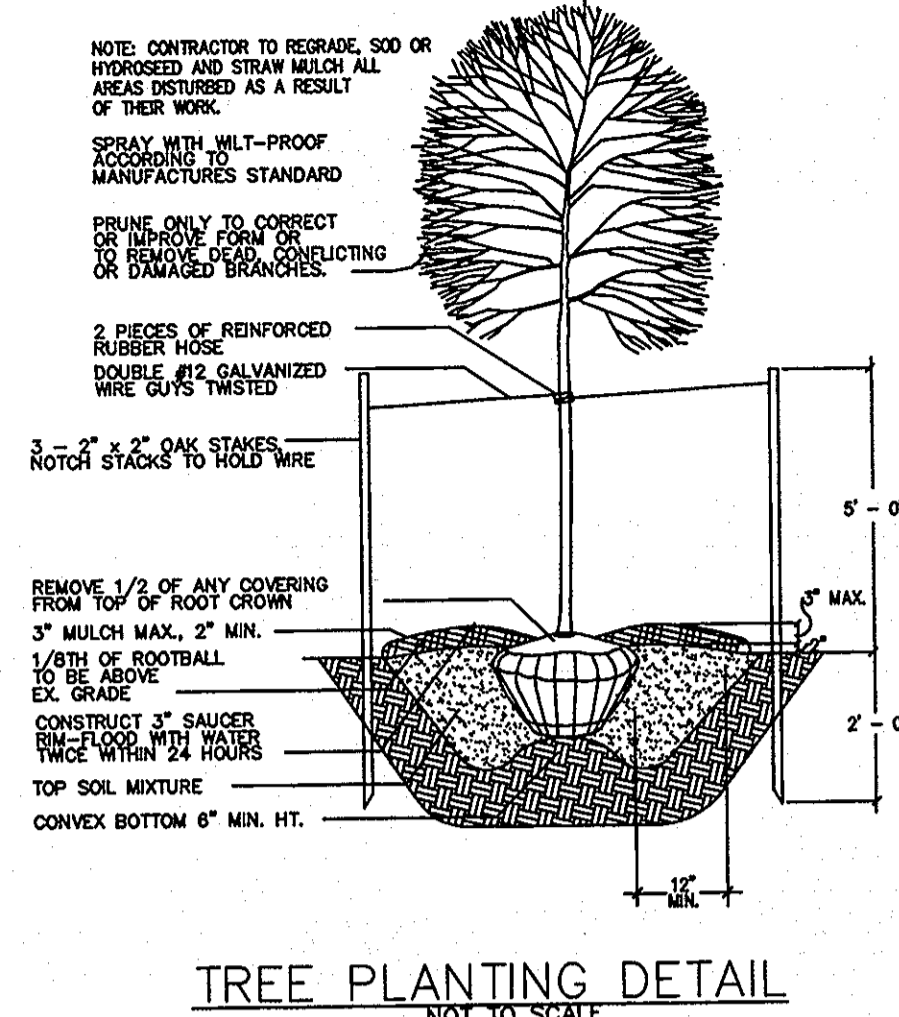
PLANT MATERIALS AND PLANTING METHODS

A. Plant Materials

The landscape contractor shall furnish and install and/or dig, ball, burtop, and transplant all of the plant materials called for on drawings and/or listed in the Plant Schedule.

- Plant Names**
Plant names used in the Plant Schedule shall conform to "Standardized Plant Names", latest edition.
- Plant Standards**
All plant material shall be equal to or better than the requirements of the "USA Standard for Nursery Stock", latest edition, as published by the American Association of Nurserymen (hereafter referred to as AAN Standards). All plants shall be typical of their species and variety, shall have a normal habit of growth, and shall be first quality, sound, vigorous, well-branched and with healthy, well-furnished root systems. They shall be free of disease, insect pests and mechanical injuries.
- Planting Methods**
a. All plants shall be nursery grown and shall have been grown under the same climate as the location of this project for at least two years before planting. Neither heeled-in plants nor plants from cold storage will be accepted.
b. Collected plants or transplanted trees may be called for by the landscape architect and used, provided, however, that locations and soil conditions will permit proper balling.
c. **Plant Measurements**
All plants shall conform to the measurements specified in the Plant Schedule as approved by the Department of Planning and Code Enforcement Reviewing Official.
1. Caliper measurements shall be taken six inches (6") above grade for trees under four-inch (4") caliper and twelve inches (12") above grade for trees four inches (4") in caliper and over.
2. Minimum branching height for all trees shall be six feet (6'), maximum eight feet (8').
3. Minimum size for planting shade trees 2 1/2" - 3" caliper 12" - 14" in height.
4. Caliper, height, spread and size of ball shall be generally as follows:

Caliper	Height	Spread	Size of Ball
2 1/2" - 3"	12' - 14'	8' - 8'	28" diameter
3" - 3 1/2"	14' - 16'	8' - 8'	32" diameter
3 1/2" - 4"	14' - 16'	8' - 10'	36" diameter
4" - 4 1/2"	16' - 18'	8' - 10'	40" diameter
4 1/2" - 5"	16' - 18'	10' - 12'	34" diameter
5" - 5 1/2"	16' - 20'	10' - 12'	48" diameter
5 1/2" - 6"	18' - 20'	12' - 14'	52" diameter



PLANT SCHEDULE				
KEY	QUA.	BOTANICAL / COMMON NAME	SIZE	SPACING
DECIDUOUS TREE				
RO	5	Quercus rubra Red Oak	2"-2 1/2" B&B	AS SHOWN
ORNAMENTAL TREE				
EVERGREEN				
WP	4	pinus strobus Eastern White Pine	2"-2 1/2" B&B	AS SHOWN
SHRUB				
IG	65	Ilex glabra Inkberry Holly	1 Gal.	Full to ground

SCHEDULE 'A'
PERIMETER LANDSCAPE EDGE

PERIMETER	P-1	P-2	P-3	P-4
CATEGORY	ADJACENT TO ROADWAY SANTA BARBARA COURT	ADJACENT TO ROADWAY SAN TOMAS ROAD	ADJACENT TO PERIMETER PROPERTIES (SOUTH)	ADJACENT TO PERIMETER PROPERTIES (EAST)
LANDSCAPE TYPE	TYPE 'E'	TYPE 'E'	TYPE 'A'	TYPE 'A'
LINEAR FEET OF ROADWAY FRONTAGE/PERIMETER	405 LF	400 LF LESS 70 LF FOR EASEMENTS	470 LF	400 LF
CREDIT FOR EXISTING VEGETATION	NO	YES	NO	NO
SHADE TREES	0	0	0	0
EVERGREEN TREES	0	11	0	10
SHRUBS	0	10	0	0
CREDIT FOR WALL, FENCE OR BERM (REMAINING OBLIGATION)	195 LF (210 LF)	190 LF (140 LF)	NO	NO
NUMBER OF PLANTS REQUIRED				
SHADE TREES	5	3	8	7
EVERGREEN TREES	0	0	0	0
SHRUBS	52	35	0	0
NUMBER OF PLANTS PROVIDED				
SHADE TREES	0*	0	0**	0
EVERGREEN TREES	0	0	0	4
OTHER TREES (2:1 SUBSTITUTION)	0	0	0	0
SHRUBS (10:1 SUBSTITUTION)	65	0	0	0
SUBSTITUTION: 2 ORNAMENTAL = 1 SHADE 2 EVERGREEN = 1 SHADE 10 SHRUB = 1 SHADE				

*P-1 - THE REMAINING PERIMETER LANDSCAPING OBLIGATION OF 5 SHADE TREES CANNOT BE MET FOR THIS PERIMETER BECAUSE THE AREA BETWEEN SANTA BARBARA COURT AND THE LOADING/PARKING AREA HAS A 33' GAS EASEMENT WHICH RESTRICTS THE PLANTING OF TREES ALONG THIS PERIMETER. TO SATISFY THE PERIMETER LANDSCAPING REQUIREMENTS, SHRUBS ARE BEING PLANTED NEXT TO THE ROAD AND THE EXISTING RETAINING WALL ADJACENT TO THE PROPOSED PARKING AREA ASSISTS IN THE SCREENING OF THIS AREA.

*P-3 - THE PERIMETER LANDSCAPE OBLIGATION OF 8 SHADE TREES CANNOT BE MET FOR THIS PERIMETER DUE TO THE EXISTING SEWER AND RAILROAD RIGHT-OF-WAY WHICH ENCUMBER THIS SIDE OF THE SITE.

- Plant Identification**
Legible labels shall be attached to all shade trees, minor trees, specimen shrubs and bundles or boxes of other plant material giving the botanical and common names, size and quantity of each. Each shipment of plants shall bear certificates of inspection as required by Federal, State and County authorities.
- Plant Inspection**
The Department of Planning and Code Enforcement Reviewing Official may, upon request by the builder or developer, at least ten (10) days prior to the installation of any proposed plant material, inspect all proposed plant material at the source of origin.
- Planting Methods**
All proposed plant material that meet the specifications in Section A (preceding page) are to be planted in accordance with the following planting methods during the proper planting seasons as described in the following:

- Planting Seasons**
The planting of deciduous trees, shrubs and vines shall be from March 1st to June 15th and from September 15th to December 15th. Planting of deciduous material may be continued during the winter months providing there is no frost in the ground and frost-free topsoil planting mixtures are used.
The planting of evergreen material shall be from March 15th to June 15th and from August 15th to December 1st. No planting shall be done when ground is frozen or excessively moist. No frozen or wet topsoil shall be used at any time.
- Digging**
All plant material shall be dug, balled and burtopped (B+B) in accordance with the "AAN Standards".
- Excavation of Plant Pits**
The landscaping contractor shall excavate all plant pits, vine pits, hedge trenches and shrub beds in accordance with the following schedule:
a. Locations of all proposed plant material shall be staked and approved in the field by the landscape architect before any of the proposed plant material is installed by the landscape contractor.
b. All pits shall be generally circular in outline, vertical sides; depth shall not be less than 6" deeper than the root ball, diameter shall not be less than two times the diameter of the root ball as set forth in the following schedule.
c. If areas are designated as shrub beds or hedge trenches, they shall be excavated to at least 18" depth minimum. Areas designated for ground covers and vines shall be excavated to at least 12" in depth minimum.
d. Diameter and depth of tree pits shall generally be as follows:

Plant Size	Pit Diameter	Pit Depth
2 1/2" - 3" cal.	28"	56" 24"
3" - 3 1/2" cal.	32"	64" 28"
3 1/2" - 4" cal.	36"	72" 32"
4" - 4 1/2" cal.	40"	80" 36"
4 1/2" - 5" cal.	44"	88" 40"
5" - 5 1/2" cal.	48"	96" 44"
5 1/2" - 6" cal.	52"	104" 48"

A 20% compaction figure of the soil to be removed is assumed and will be allowed in calculation of extra topsoil. The tabulated pit sizes are for purposes of uniform calculation and shall not override the specified depths below the bottoms of the root balls.

- Staking, Guying and Wrapping**
All plant material shall be staked or guyed, and wrapped in accordance with the following specifications:
a. Stakes: Shall be sound wood 2" x 2" rough sawn oak or similar durable woods, or lengths, minimum 7' - 0" for major trees and 5' - 0" minimum for minor trees.
b. Wire and Cable: Wire shall be #10 ga. galvanized or bethanized annealed steel wire. For trees over 3" caliper, provide 5/16" turn buckles, eye and eye with 4" takeup. For trees over 5" caliper, provide 3/16", 7 strand cable cotdium plated steel, with galvanized "eye" thimbles of wire and hose on trees up to 3" in caliper.
c. Hose: Shall be new, 2 ply reinforced rubber hose, minimum 1/2" I.D. "Plastic Lock Ties" or "Patio's Tree Braces" may be used in place of wire and hose on trees up to 3" in caliper.
d. All trees under 3" in caliper are to be planted and staked in accordance with the attached "Typical Tree Staking Detail". All trees over 3" in caliper are to be planted and guyed in accordance with the attached "Typical Tree Guying Detail".
- Plant Pruning, Edging and Mulching**
a. Each tree, shrub or vine shall be pruned in an appropriate manner to its particular requirements, in accordance with accepted standard practice. Broken or bruised branches shall be removed with clean cuts flush with the adjacent trunk or branches. All cuts over 1" in diameter shall be pointed with an approved antiseptic tree wound dressing.
b. All Trenches and shrub beds shall be edged and cultivated to the lines shown on the drawing. The areas around isolated plants shall be edged and cultivated to the full diameter of the pit. Sod which has been removed and stockpiled shall be used to trim the edges of all excavated areas to the next lines of the plant pit, saucers, the edges of shrub areas, hedge trenches and vine pockets.
c. After cultivation, all plant materials shall be mulched with a 4" layer of tan bark, peat moss, or another approved material over the entire area of the bed or saucer.

- Plant Inspection and Acceptance**
The Department of Planning and Code Enforcement Review Official shall be responsible for inspecting all planting projects on a period basis to assure that all work is proceeding in accordance with the approved plans and specifications.
- Plant Guarantee**
All plant material shall be guaranteed for the duration of two full growing seasons, after final inspection and acceptance of the work in the planting project. Plants shall be alive and in satisfactory growing condition at the end of the guarantee period.
a. For this purpose, the "growing season" shall be that period between the end of the "Spring" planting season, and the commencement of the "Fall" planting season.
b. Guarantee for planting performed after the specified end of the "Spring" planting season, shall be extended through the end of the next following "Spring" planting season.

SEEDING AND SODDING
A. All seeding and sodding shall be as per "Standards and Specifications for Soil Erosion and Sediment Control in Urbanized Areas" as published by the Department of Natural Resources.

- GENERAL NOTES**
1. All plant materials shall be nursery grown and shall conform to American Association of Nurserymen, Inc. standards.
2. All planting procedures and specifications shall conform to "Landscape Specification Guidelines for Baltimore-Washington Metropolitan area" latest edition.

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Rockville, Maryland 20850
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Fax: (301) 963-6306
www.jba-inc.net

REV. NO.	DATE	REVISIONS	PROJ. TO APPROVAL

ROUTE 100 BUSINESS PARK
PARCEL 'D' BLOCK 'F'
6905 SAN TOMAS ROAD
LANDSCAPE DETAILS (REVISED)

1ST ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

APPROVED: DEPARTMENT OF PLANNING AND ZONING

[Signature]
CHIEF, DEVELOPMENT ENGINEERING DIVISION 5/22/08
DATE

[Signature]
CHIEF, DIVISION OF LAND DEVELOPMENT 5/20/08
DATE

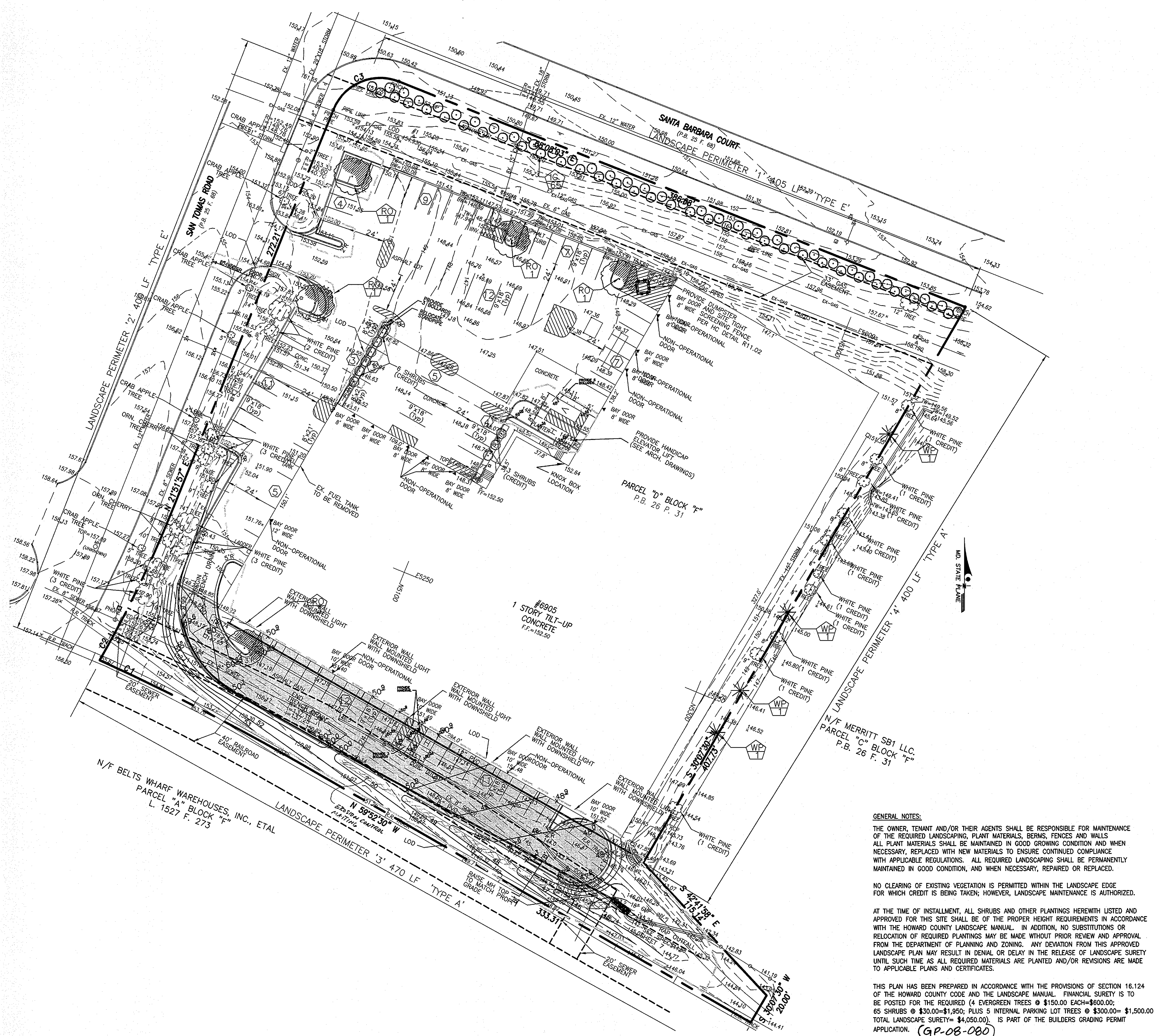
[Signature]
DIRECTOR 5/20/08
DATE

APPROVED: FOR PRIVATE WATER
FOR PRIVATE SEWERAGE SYSTEMS

N/A

COUNTY HEALTH OFFICER
HOWARD COUNTY HEALTH DEPARTMENT DATE

PLAN NO.:
SCALE: NO SCALE
DATE: 03-28-08
SHEET 9 OF 10
FILE NO: 07-080



SCHEDULE 'B'
PARKING LOT INTERNAL LANDSCAPING (NORTH)

NUMBER OF PARKING SPACES	52
NUMBER OF TREES REQUIRED	3
NUMBER OF TREES PROVIDED	
SHADE TREES	3
ORNAMENTAL/EVERGREEN TREES (2:1)	0
SHRUBS (10:1)	0

SCHEDULE 'B'
PARKING LOT INTERNAL LANDSCAPING (EAST)

NUMBER OF PARKING SPACES	19
NUMBER OF TREES REQUIRED	1
NUMBER OF TREES PROVIDED	
SHADE TREES	1
*ORNAMENTAL/EVERGREEN TREES (2:1)	1
SHRUBS (10:1)	0

* 1 EXISTING WHITE PINE

SCHEDULE 'B'
PARKING LOT INTERNAL LANDSCAPING (SOUTH)

NUMBER OF PARKING SPACES	23
NUMBER OF TREES REQUIRED	1
NUMBER OF TREES PROVIDED	
SHADE TREES	1
ORNAMENTAL/EVERGREEN TREES (2:1)	0
SHRUBS (10:1)	0

- PROPOSED SHADE TREE
- PROPOSED EVERGREEN TREE
- PROPOSED SHRUB
- EXISTING TREE
- EXISTING SHRUB

DEVELOPER/BUILDER'S CERTIFICATE

I/WE CERTIFY THAT THE LANDSCAPING SHOWN ON THIS PLAN WILL BE DONE ACCORDING TO THE PLAN, SECTION 16.124 OF THE HOWARD COUNTY SUBDIVISION AND LAND DEVELOPMENT REGULATIONS AND THE LANDSCAPE MANUAL. I/WE FURTHER CERTIFY THAT UPON COMPLETION, A LETTER OF NOTICE, ACCOMPANIED BY AN EXECUTED ONE YEAR GUARANTEE OF PLANT MATERIALS, WILL BE SUBMITTED TO THE DEPARTMENT OF PLANNING AND ZONING.

William A. Duckert 4/17/08
DEVELOPER/BUILDER DATE

APPROVED: DEPARTMENT OF PLANNING AND ZONING

William A. Duckert 5/27/08
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

Mark K. Leyle 5/28/08
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

Mark K. Leyle 5/28/08
DIRECTOR DATE

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS

J/R _____ DATE _____
COUNTY HEALTH OFFICER
HOWARD COUNTY HEALTH DEPARTMENT

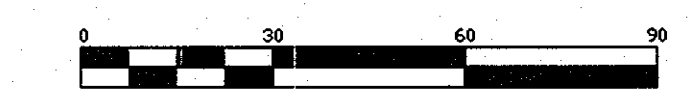
GENERAL NOTES:

THE OWNER, TENANT AND/OR THEIR AGENTS SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE REQUIRED LANDSCAPING, PLANT MATERIALS, BERMS, FENCES AND WALLS. ALL PLANT MATERIALS SHALL BE MAINTAINED IN GOOD GROWING CONDITION AND WHEN NECESSARY, REPLACED WITH NEW MATERIALS TO ENSURE CONTINUED COMPLIANCE WITH APPLICABLE REGULATIONS. ALL REQUIRED LANDSCAPING SHALL BE PERMANENTLY MAINTAINED IN GOOD CONDITION, AND WHEN NECESSARY, REPAIRED OR REPLACED.

NO CLEARING OF EXISTING VEGETATION IS PERMITTED WITHIN THE LANDSCAPE EDGE FOR WHICH CREDIT IS BEING TAKEN; HOWEVER, LANDSCAPE MAINTENANCE IS AUTHORIZED.

AT THE TIME OF INSTALLMENT, ALL SHRUBS AND OTHER PLANTINGS HEREWITH LISTED AND APPROVED FOR THIS SITE SHALL BE OF THE PROPER HEIGHT REQUIREMENTS IN ACCORDANCE WITH THE HOWARD COUNTY LANDSCAPE MANUAL. IN ADDITION, NO SUBSTITUTIONS OR RELOCATION OF REQUIRED PLANTINGS MAY BE MADE WITHOUT PRIOR REVIEW AND APPROVAL FROM THE DEPARTMENT OF PLANNING AND ZONING. ANY DEVIATION FROM THIS APPROVED LANDSCAPE PLAN MAY RESULT IN DENIAL OR DELAY IN THE RELEASE OF LANDSCAPE SURETY UNTIL SUCH TIME AS ALL REQUIRED MATERIALS ARE PLANTED AND/OR REVISIONS ARE MADE TO APPLICABLE PLANS AND CERTIFICATES.

THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL. FINANCIAL SURETY IS TO BE POSTED FOR THE REQUIRED (4 EVERGREEN TREES @ \$150.00 EACH=\$600.00; 65 SHRUBS @ \$30.00=\$1,950.00; PLUS 5 INTERNAL PARKING LOT TREES @ \$300.00=\$1,500.00 TOTAL LANDSCAPE SURETY=\$4,050.00). IS PART OF THE BUILDERS GRADING PERMIT APPLICATION. (GP-08-080)



1395 Piccard Drive, Suite 350
Rockville, Maryland 20850
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Fax: (301) 963-6306
www.jba-inc.net

J·B·A
Johnson · Bernat · Associates, Inc.
Engineering · Surveying · Planning

REV. NO.	DATE	REVISIONS PRIOR TO APPROVAL

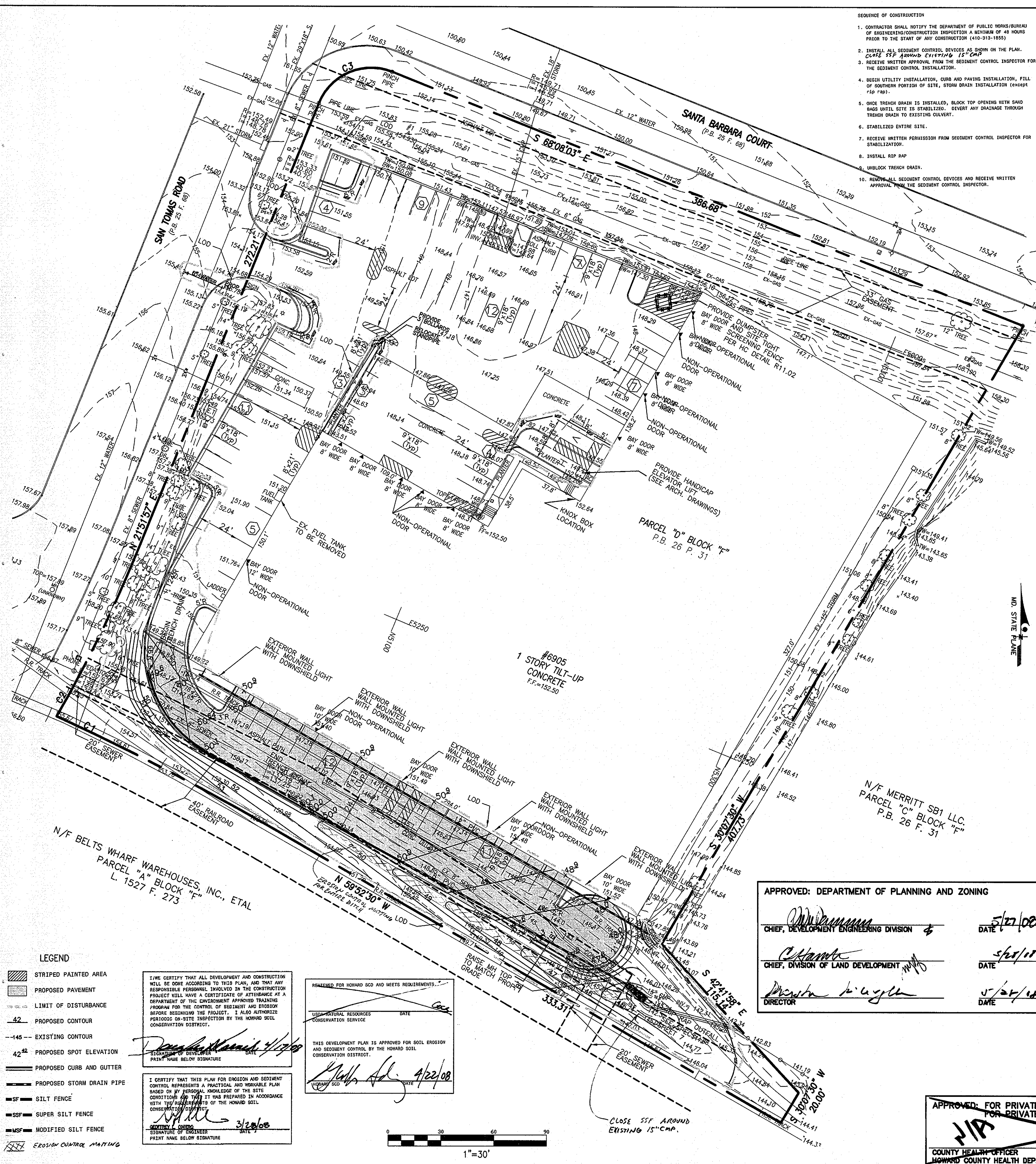
ROUTE 100 BUSINESS PARK
PARCEL 'D' BLOCK 'F'
6905 SAN TOMAS ROAD
LANDSCAPE PLAN (REVISED)

1ST ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

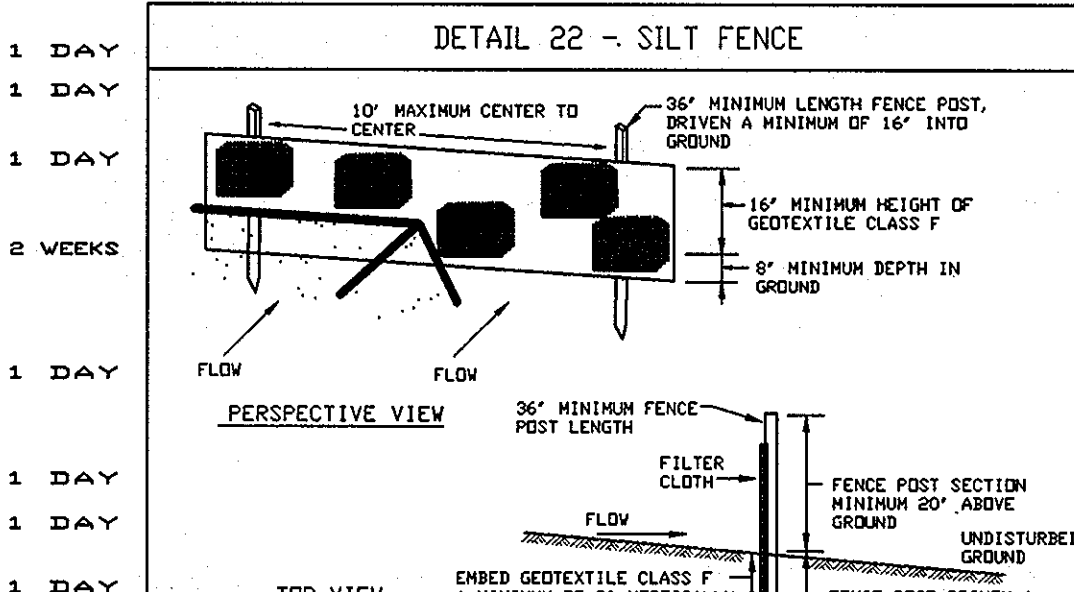
STATE OF MARYLAND
GEOFFREY LIN CINERIO
No. 22538
PLANNING AND ZONING

PLAN NO.: _____
SCALE: 1"=30'
DATE: 03-28-08
SHEET 8 OF 10
FILE NO: 07-080

SDP - 74-112



- SEQUENCE OF CONSTRUCTION**
1. CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/BUREAU OF ENGINEERING/CONSTRUCTION INSPECTION A MINIMUM OF 48 HOURS PRIOR TO THE START OF ANY CONSTRUCTION (410-213-1855)
 2. INSTALL ALL SEDIMENT CONTROL DEVICES AS SHOWN ON THE PLAN. OBTAIN WRITTEN APPROVAL FROM THE SEDIMENT CONTROL INSPECTOR FOR THE SEDIMENT CONTROL INSTALLATION.
 3. RECEIVE WRITTEN APPROVAL FROM THE SEDIMENT CONTROL INSPECTOR FOR THE SEDIMENT CONTROL INSTALLATION.
 4. BEGIN UTILITY INSTALLATION, CURB AND PAVING INSTALLATION, FILL OF SOUTHERN PORTION OF SITE, STORM DRAIN INSTALLATION (EXCEPT "S" FSI).
 5. ONCE TRENCH DRAIN IS INSTALLED, BLOCK TOP OPENING WITH SAID BAGS UNTIL SITE IS STABILIZED. DIVERT ANY DRAINAGE THROUGH TRENCH DRAIN TO EXISTING DRAIN.
 6. STABILIZED ENTIRE SITE.
 7. RECEIVE WRITTEN PERMISSION FROM SEDIMENT CONTROL INSPECTOR FOR STABILIZATION.
 8. INSTALL RIP RAP.
 9. UNBLOCK TRENCH DRAIN.
 10. REMOVE ALL SEDIMENT CONTROL DEVICES AND RECEIVE WRITTEN APPROVAL FROM THE SEDIMENT CONTROL INSPECTOR.



Construction Specifications

1. Fence posts shall be a minimum of 36" long driven 16" minimum into the ground. Wood posts shall be 1 1/2" x 1 1/2" square (minimum cut, or 1 3/4" diameter (minimum round) and shall be of sound quality hardwood. Steel posts will be standard T or U section weighing not less than 1.00 pound per linear foot.
2. Geotextile shall be fastened securely to each fence post with wire ties or staples at top and mid-section and shall meet the following requirements for Geotextile Class F:

Tensile Strength	50 lb/in (min.)	Test: MSHT 509
Tensile Modulus	80 lb/in (min.)	Test: MSHT 509
Flow Rate	0.3 gal/ft ² /minute (max.)	Test: MSHT 322
Filtering Efficiency	75% (min.)	Test: MSHT 322

3. Where ends of geotextile fabric come together, they shall be overlapped, folded and stapled to prevent sediment bypass.
4. Silt Fence shall be inspected after each rainfall event and maintained when 'bulges' occur or when sediment accumulation reaches 50% of the fabric height.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE PAGE 1-15-3
MARYLAND DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES WATER MANAGEMENT ADMINISTRATION

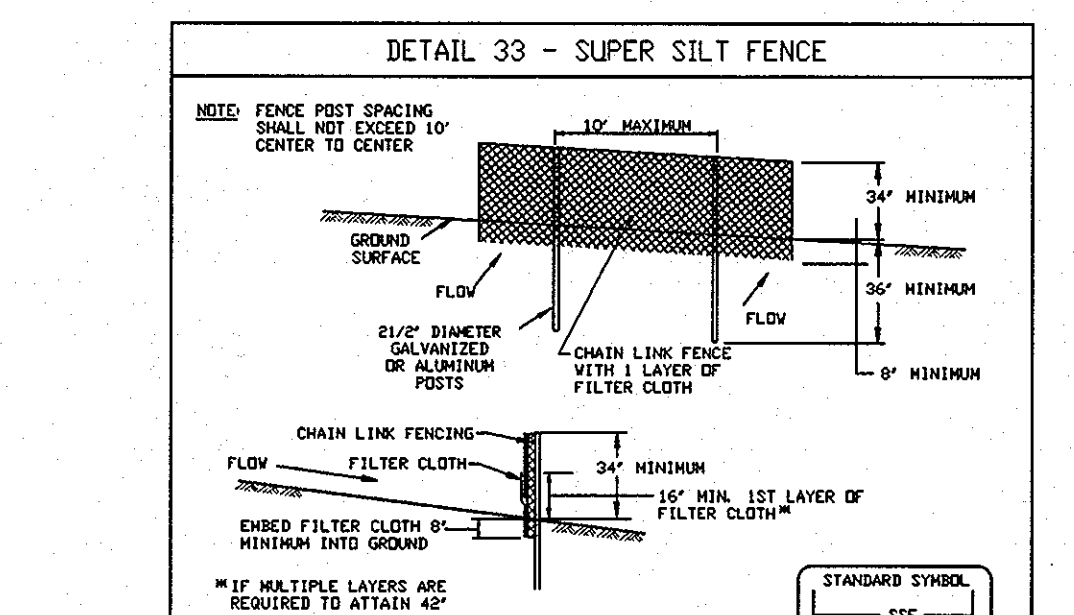
SILT FENCE

Silt Fence Design Criteria

Slope Steepness	(Maximum) Slope Length	(Maximum) Silt Fence Length
Flatter than 50:1	Unlimited	Unlimited
50:1 to 10:1	125 Feet	1,000 Feet
10:1 to 5:1	100 Feet	750 Feet
5:1 to 3:1	60 Feet	500 Feet
3:1 to 2:1	40 Feet	250 Feet
2:1 and steeper	20 Feet	125 Feet

Note: In areas of less than 2% slope and sandy soils USDA general classification group 3, soil Class 40 maximum slope length and silt fence length will be unlimited. In these areas a silt fence may be the only perimeter control required.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE PAGE 1-15-3
MARYLAND DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES WATER MANAGEMENT ADMINISTRATION

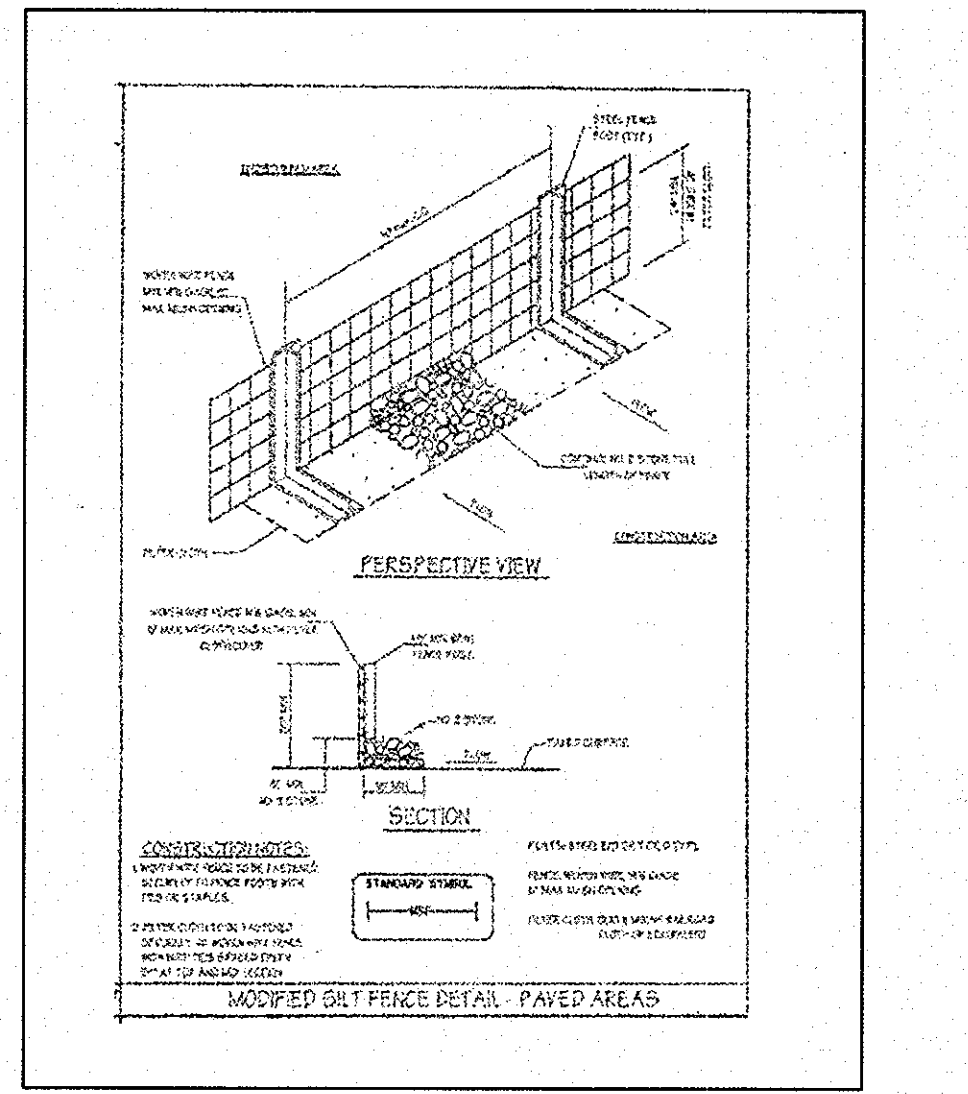


Construction Specifications

1. Fencing shall be 42" in height and constructed in accordance with the latest Maryland State Highway Safety for Chain Link Fencing. The specification for a 6" fence shall be used, substituting 42" fabric and 6" length posts.
2. Chain link fence shall be fastened securely to the fence posts with wire ties. The lower tension wire, brace and truss rods, drive anchors and post caps are not required except on the ends of the fence.
3. Filter cloth shall be fastened securely to the chain link fence with ties spaced every 24" at the top and mid section.
4. Filter cloth shall be embedded a minimum of 8" into the ground.
5. When two sections of filter cloth adjoin each other, they shall be overlapped by 6" and folded.
6. Maintenance shall be performed as needed and silt bags removed when 'bulges' develop in the silt fence, or when silt reaches 50% of the fabric height.
7. Filter cloth shall be fastened securely to each fence post with wire ties or staples at top and mid section and shall meet the following requirements for Geotextile Class F:

Tensile Strength	50 lb/in (min.)	Test: MSHT 509
Tensile Modulus	80 lb/in (min.)	Test: MSHT 509
Flow Rate	0.3 gal/ft ² /minute (max.)	Test: MSHT 322
Filtering Efficiency	75% (min.)	Test: MSHT 322

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE PAGE 1-15-3
MARYLAND DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES WATER MANAGEMENT ADMINISTRATION



APPROVED: DEPARTMENT OF PLANNING AND ZONING

Chief, Development Engineering Division DATE 5/27/08

Chief, Division of Land Development DATE 5/28/08

Director DATE 5/27/08

HOWARD SOIL CONSERVATION DISTRICT

STANDARD SEDIMENT CONTROL MEASURES

Apply to graded or cleared areas likely to be eroded when a storm or other natural event occurs.

Standard Sediment Control Measures shall be installed and maintained in accordance with the following:

1. Sediment Control Measures shall be installed and maintained in accordance with the following:
 - a. For the entire site - April 15, and August 1 - October 15, until the site is stabilized with a minimum of 20% vegetation cover.
 - b. For the entire site - April 15, and August 1 - October 15, until the site is stabilized with a minimum of 20% vegetation cover.
 - c. For the entire site - April 15, and August 1 - October 15, until the site is stabilized with a minimum of 20% vegetation cover.
2. Sediment Control Measures shall be installed and maintained in accordance with the following:
 - a. For the entire site - April 15, and August 1 - October 15, until the site is stabilized with a minimum of 20% vegetation cover.
 - b. For the entire site - April 15, and August 1 - October 15, until the site is stabilized with a minimum of 20% vegetation cover.
 - c. For the entire site - April 15, and August 1 - October 15, until the site is stabilized with a minimum of 20% vegetation cover.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE PAGE 1-15-3
MARYLAND DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES WATER MANAGEMENT ADMINISTRATION

HOWARD SOIL CONSERVATION DISTRICT

STANDARD SEDIMENT CONTROL MEASURES

Apply to graded or cleared areas likely to be eroded when a storm or other natural event occurs.

Standard Sediment Control Measures shall be installed and maintained in accordance with the following:

1. Sediment Control Measures shall be installed and maintained in accordance with the following:
 - a. For the entire site - April 15, and August 1 - October 15, until the site is stabilized with a minimum of 20% vegetation cover.
 - b. For the entire site - April 15, and August 1 - October 15, until the site is stabilized with a minimum of 20% vegetation cover.
 - c. For the entire site - April 15, and August 1 - October 15, until the site is stabilized with a minimum of 20% vegetation cover.
2. Sediment Control Measures shall be installed and maintained in accordance with the following:
 - a. For the entire site - April 15, and August 1 - October 15, until the site is stabilized with a minimum of 20% vegetation cover.
 - b. For the entire site - April 15, and August 1 - October 15, until the site is stabilized with a minimum of 20% vegetation cover.
 - c. For the entire site - April 15, and August 1 - October 15, until the site is stabilized with a minimum of 20% vegetation cover.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE PAGE 1-15-3
MARYLAND DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES WATER MANAGEMENT ADMINISTRATION

- LEGEND**
- STRIPED PAVED AREA
 - PROPOSED PAVEMENT
 - LIMIT OF DISTURBANCE
 - PROPOSED CONTOUR
 - EXISTING CONTOUR
 - PROPOSED SPOT ELEVATION
 - PROPOSED CURB AND GUTTER
 - PROPOSED STORM DRAIN PIPE
 - SILT FENCE
 - SUPER SILT FENCE
 - MODIFIED SILT FENCE
 - EROSION CONTROL MATING

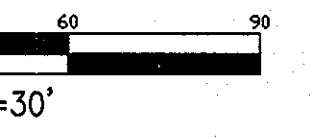
I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERSONNEL ON SITE UNDER THE SUPERVISION OF THE HOWARD SOIL CONSERVATION DISTRICT.

Signature: [Signature] DATE: 4/27/08

Signature: [Signature] DATE: 3/28/08

APPROVED FOR HOWARD SOIL CONSERVATION DISTRICT

Signature: [Signature] DATE: 4/22/08



APPROVED: FOR PRIVATE WATER FOR PRIVATE SEWERAGE SYSTEMS

Signature: [Signature] DATE: 5/27/08

Signature: [Signature] DATE: 5/27/08

Signature: [Signature] DATE: 5/27/08

J.B.A.
Johnson • Bernat • Associates, Inc.
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Tel. (301) 963-1133
Fax: (301) 963-6306
www.jba-inc.net

Engineering • Surveying • Planning

REVISIONS PRIOR TO APPROVAL

REV. NO.	DATE	REVISIONS

ROUTE 100 BUSINESS PARK
PARCEL 'D', BLOCK 'F'
6905 SAN TOMAS ROAD
SEDIMENT & EROSION CONTROL PLAN
1ST ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

PROFESSIONAL ENGINEER
GEOFFREY LIN CINERO
No. 22538

PLAN NO.:
SCALE: AS NOTED
DATE: 03-28-08
SHEET 10 OF 10
FILE NO: 07-080

Professional Engineer
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.
Licence No.: 22538
Expiration Date: 11-24-09

SDP - 74-112