

**HICKS ENGINEERING CO., INC.**  
ENGINEERS, SURVEYORS & PLANNERS  
200 EAST JOPPA ROAD - SUITE 402  
TOWSON, MARYLAND 21286

*Donald E. Hicks P.E.* 12/8/95  
DONALD E. HICKS, P.E. DATE

**ENGINEER'S CERTIFICATE**  
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.

**DEVELOPER'S CERTIFICATE**  
I HEREBY 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 THE SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT.

JAYARR ASSOCIATES  
*James Schwab* 12/8/95  
JAMES SCHWAB, PARTNER DATE

**SHEET INDEX:**  
1 OF 4 - SITE DEVELOPMENT PLAN  
2 OF 4 - SEDIMENT CONTROL PLAN  
3 OF 4 - SEDIMENT CONTROL DETAILS AND SPECIFICATIONS  
4 OF 4 - LANDSCAPING PLAN

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

APPROVED: *John R. Blanton* 12/13/95  
DISTRICT MANAGER DATE  
HOWARD SOIL CONSERVATION DISTRICT

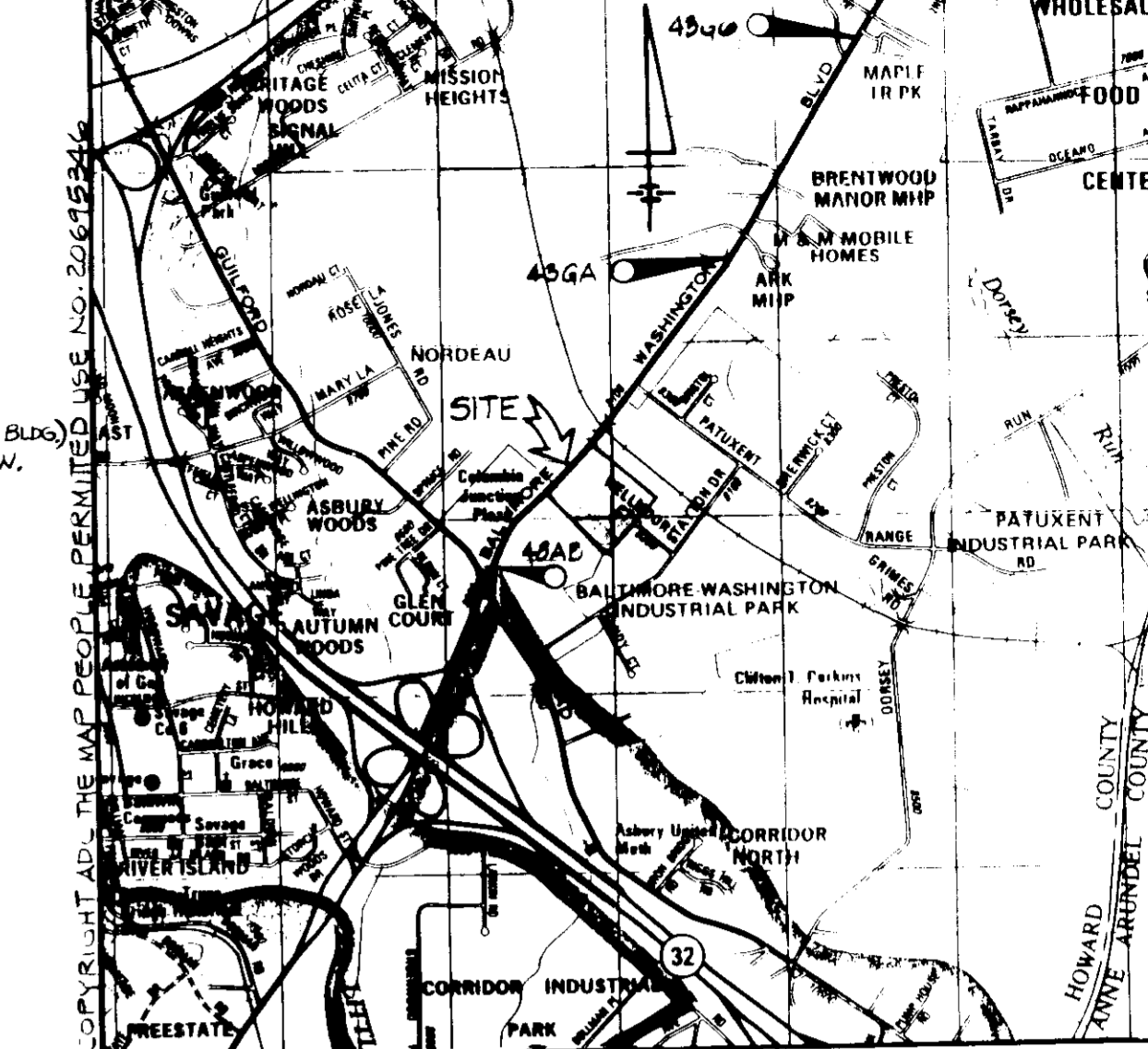
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING  
*Barbara J. Taylor* 12/13/95  
DIRECTOR DATE  
*John A. Williams* 12/13/95  
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE  
*Jim Schwab* 12/13/95  
CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH DATE

**KEY FOR DRAINAGE AREAS**  
LIMITS FOR PROPOSED CONDITIONS (ALL) - SAME AS PROPOSED

1. AREA OF PARCEL	10.15 AC. ± (442,000 S.F. ±)
2. PRESENT ZONING	M-2 WAREHOUSE/DISTRIBUTION (EXISTING)
3. PROPOSED USE OF STRUCTURE	111,000 S.F. (WAREHOUSE) ± (100 S.F. OFFICE) ± 8,000 S.F. (OFFICE)
4. FLOOR SPACE (EXISTING BUILDING)	84,000 S.F. ± (WAREHOUSE) NONE ANTICIPATED
FIRST FLOOR SECOND FLOOR	3.3 SPACES PER 1,000 S.F. (OFFICE)
FLOOR SPACE (FUTURE BUILDING)*	0.5 SPACES PER 1,000 S.F. (WAREHOUSE); 86 SPACES (30 OFFICE, 56 WAREHOUSE); 42 SPACES (BASED ON ESTIMATED SIZE & USE OF FUT. BLDG.)
FIRST FLOOR SECOND FLOOR	128 SPACES (FUT.) ONLY 66 SPACES REQUIRED NOW, 140 SPACES
*ANTICIPATED (SUBJECT TO CHANGE)	
5. PARKING SPACES REQUIRED	
EXISTING (BASED ON EXIST. BUILDING)	
FUTURE (ADDITIONAL)	
TOTAL	
6. PARKING SPACES PROVIDED	
7. MIN. HANDICAP PARKING REQUIRED	5 SPACES (AS REQUIRED FOR 101 TO 150 TOTAL PARKING)
8. HANDICAP SPACES PROVIDED	5 SPACES (2 EXISTING + 3 ADDITIONAL)

**STORM DRAIN COMPUTATIONS (PROPOSED CONDITIONS)**

NO.	AREA	C	Q	Q <sub>15</sub>	Q <sub>30</sub>	Q <sub>45</sub>	Q <sub>60</sub>	Q <sub>75</sub>	Q <sub>90</sub>	Q <sub>105</sub>	Q <sub>120</sub>	Q <sub>135</sub>	Q <sub>150</sub>	REMARKS
1	1.00	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	
2	1.15	1.15	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	SUMP
3	0.48	0.48	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	
4	2.63	2.63	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.43	
5	1.52	1.52	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	SUMP
TOTAL														

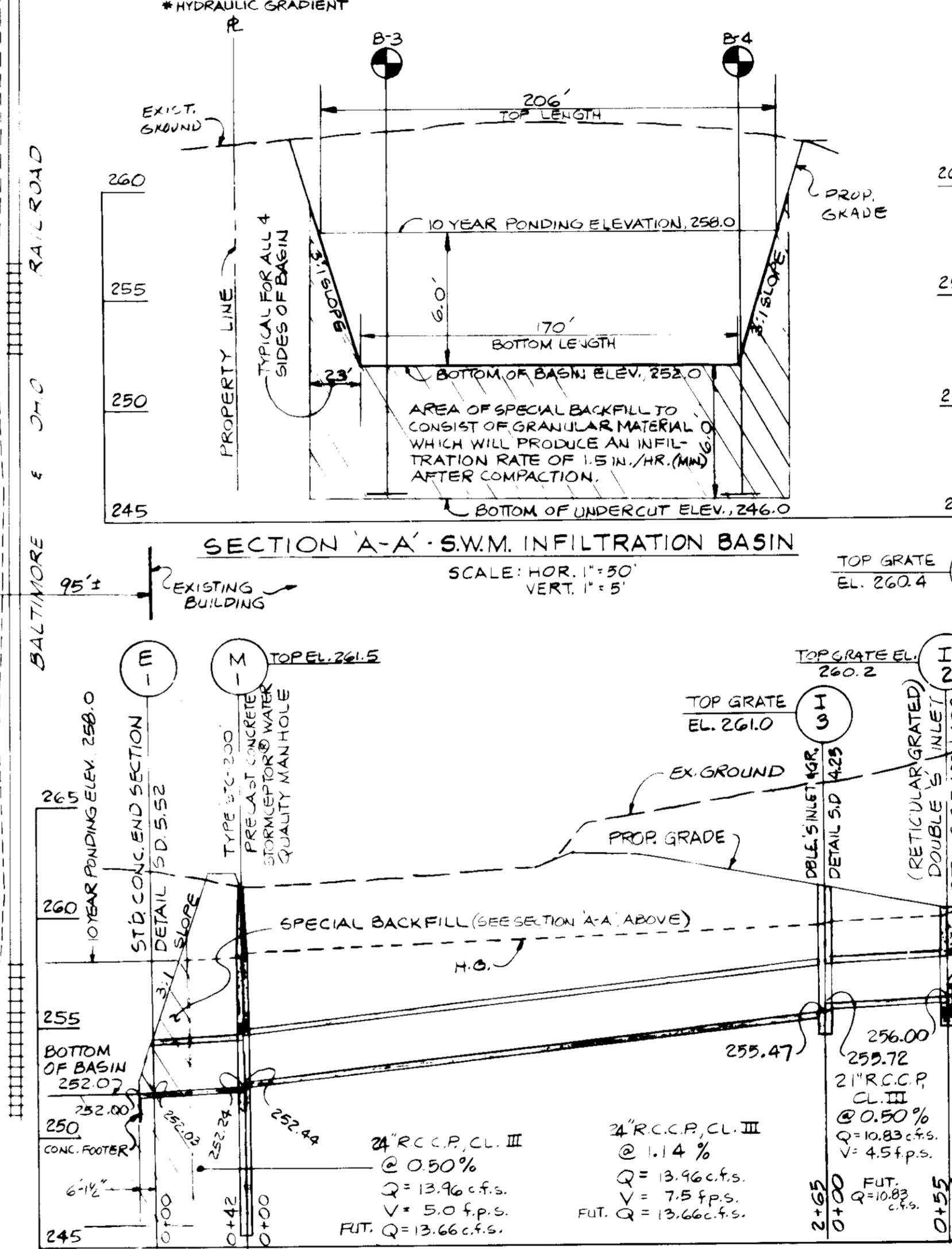


**GENERAL NOTES:**

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY.
- THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS BUREAU OF CONSTRUCTION INSPECTION AT (410) 792-7272 AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE START OF WORK.
- THE CONTRACTOR SHALL NOTIFY M&S UTILITY AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK.
- PROJECT BACKGROUND: LOCATION: 8220 WELLMOOR COURT TAX MAP 48, PARCEL 140 ZONING: M-2 SITE AREA: 10.15 AC DPZ REFERENCE: S.D.P. 95-80 DENIED APPROVAL 12/3/94
- TRAFFIC CONTROL DEVICES, MARKINGS AND SIGNS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). ALL STREET AND REGULATORY SIGNS SHALL BE IN PLACE PRIOR TO THE PLACEMENT OF ANY ANNUAL PAINT.
- ALL PLAN DIMENSIONS ARE TO THE FACE OF CURB UNLESS OTHERWISE NOTED.
- TOPOGRAPHICAL AND OTHER DATA TAKEN FROM A SURVEY DATED AUGUST 20, 1970 BY G.W. STEPHENS & ASSOCIATES, INC., TOWSON, MD.
- TYPE OF STORMWATER MANAGEMENT CONTROL: INFILTRATION BASIN
- THERE ARE NO WETLANDS ON THIS SITE.
- STORMWATER MANAGEMENT FACILITY WILL BE PRIVATELY OWNED AND MAINTAINED, AS WILL THE PROPOSED STORM DRAIN SYSTEM.
- THE LOCATION AND ELEVATION OF EXISTING UTILITIES SHOWN HEREON IS BASED ON THE BEST INFORMATION AVAILABLE. THE CONTRACTOR SHALL VERIFY ALL LOCATIONS AND ELEVATIONS TO HIS OWN SATISFACTION PRIOR TO STARTING WORK.
- SOIL TYPE: 15 GP (GRAVEL PITTS AND QUARRIES), E TIRE SITE.
- EXISTING PARKING LOT SOUTHWEST OF EXISTING BUILDING IS TO BE PAINTED TO CONFORM TO THE LAYOUT SHOWN HEREON.
- ALL EXISTING UNPAVED SURFACES ON SITE ARE MESAQUON EXCEPT FOR THE SMALL STAND OF TREES AND SHRUBS NEAR JO ROUTE 1. ANY TREES OR SHRUBS THAT NEED TO BE REMOVED SHALL BE REPLANTED ON SITE WHERE POSSIBLE.
- BORINGS B-1 & B-2 ARE EXISTING AND WERE DONE FOR PREVIOUSLY PLANNED INFILTRATION TRENCH AS SHOWN ON PRIOR S.D.P. 95-12.
- SITE IS 44% IMPERVIOUS (EXIST) 52% IMPERVIOUS (PROP) 32% IMPERVIOUS (FUT).
- INFILTRATION BASIN IS DESIGNED TO MANAGE THE 10 YEAR STORM EVENT BASED ON FUTURE (ULTIMATE DEVELOPMENT) CONDITIONS.
- APPROVED GREASE INTERCEPTOR (G) SHALL BE INSTALLED AS REQUIRED FOR ANY FOOD SERVICE ESTABLISHMENTS THAT MAY OPERATE ON THIS SITE IN THE FUTURE.

**SECTION A-A' S.W.M. INFILTRATION BASIN**

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



**ADDRESS CHART**

LOT NO.	STREET ADDRESS
PARCEL A BLOCK B	8220 WELLMOOR COURT

**SUBDIVISION NAME**  
BALTIMORE-WASHINGTON INDUSTRIAL PARK

**SECT. / ARE. A**  
259

**LOT / PARCEL NO.**  
BLOCK 1 ZONE M-2 TAX / ZONE MAP ELECT. DIST. CENSUS TR. 48 6 62600

**WATER CODE**  
502

**SEWER CODE**  
4202600

**SITE DEVELOPMENT PLAN**  
PROPOSED LOADING AREA PAVEMENT ONLY

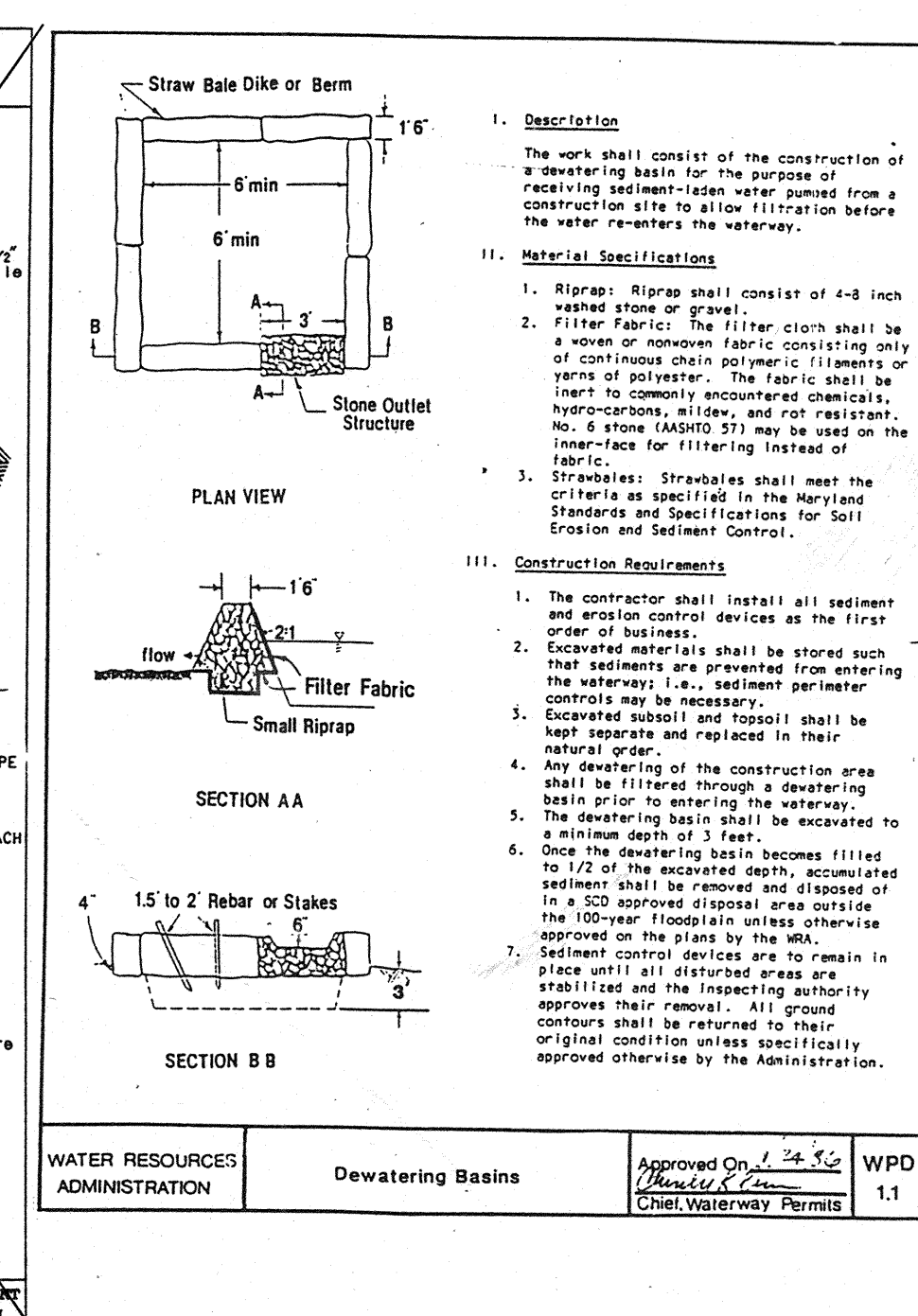
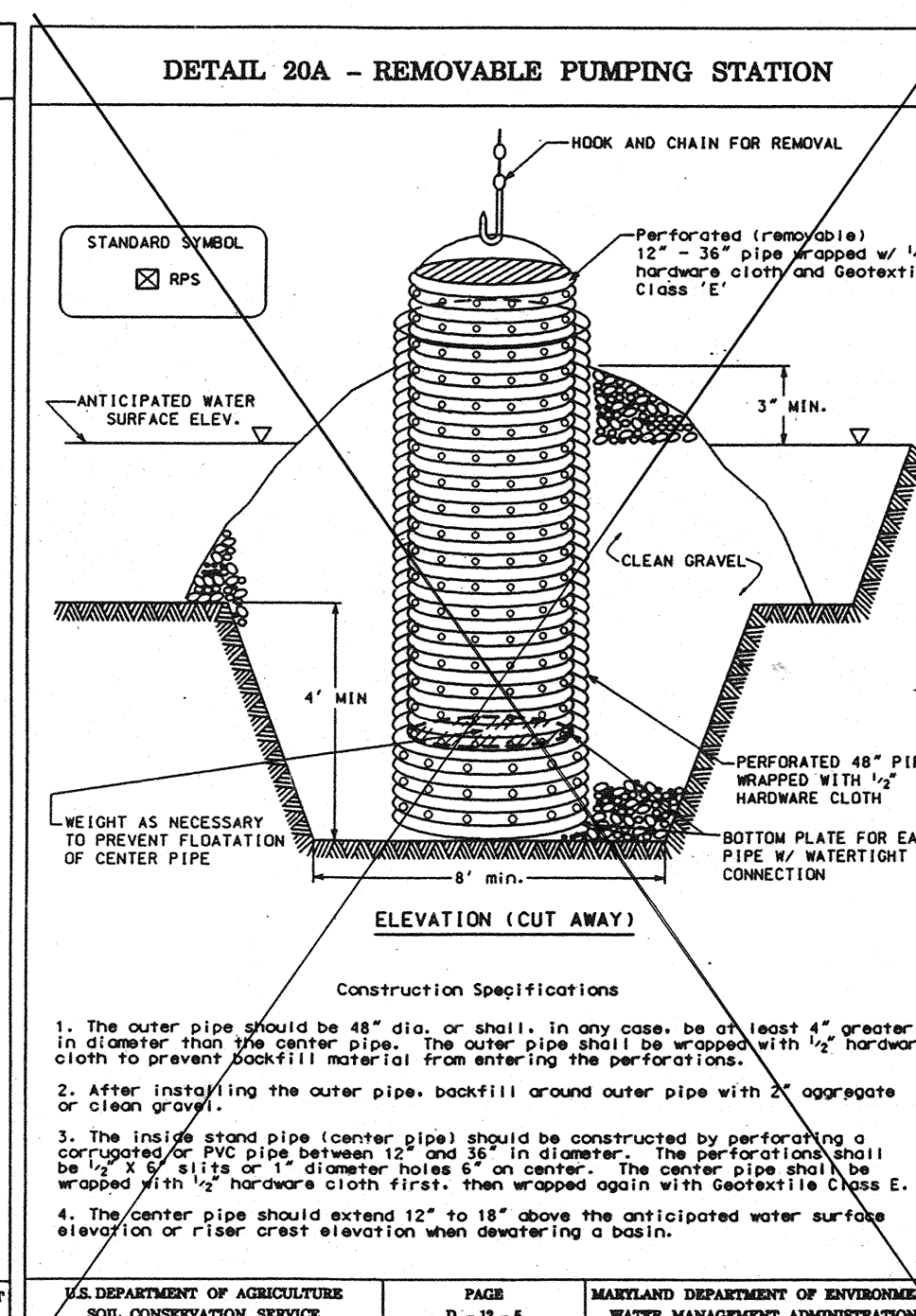
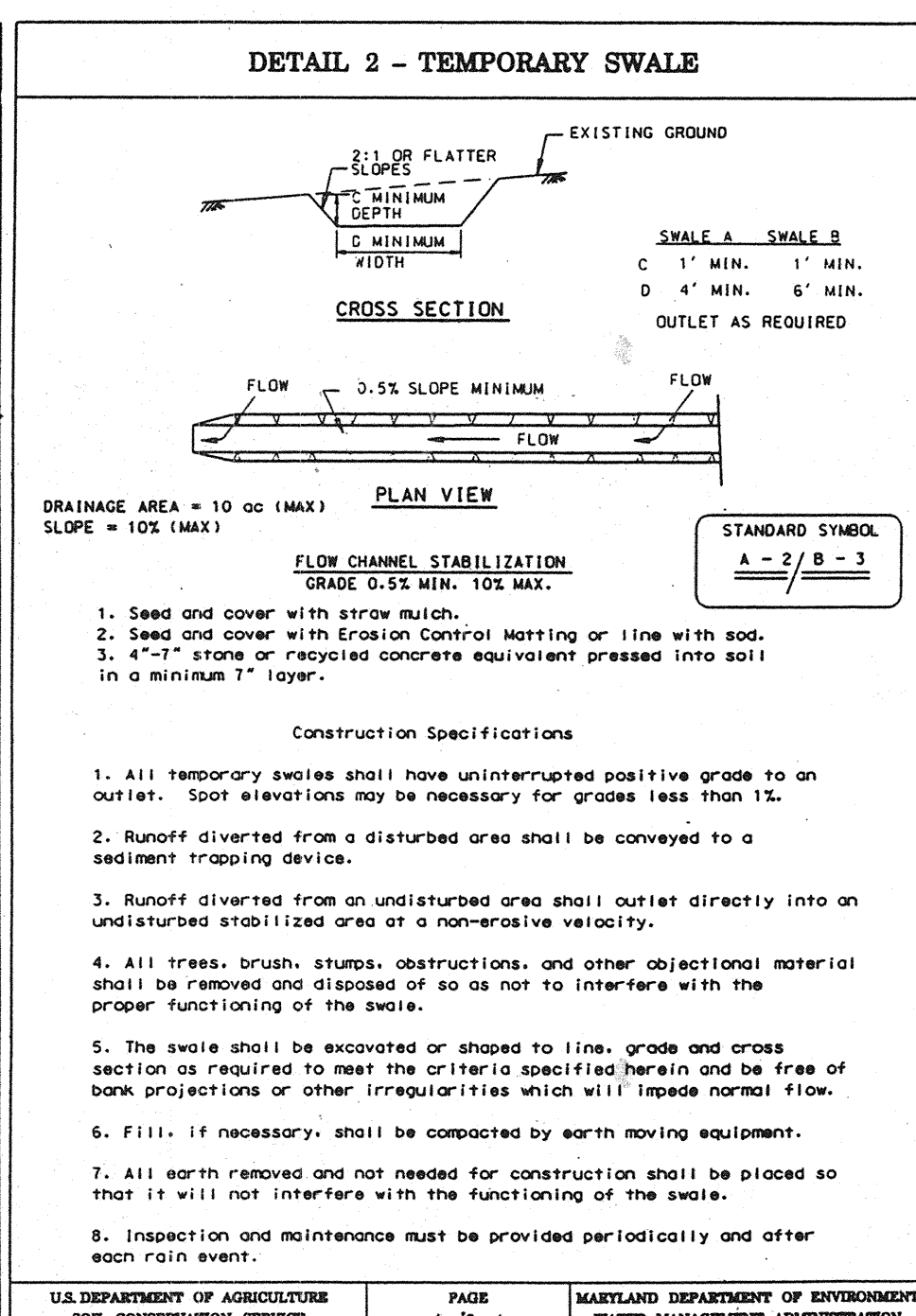
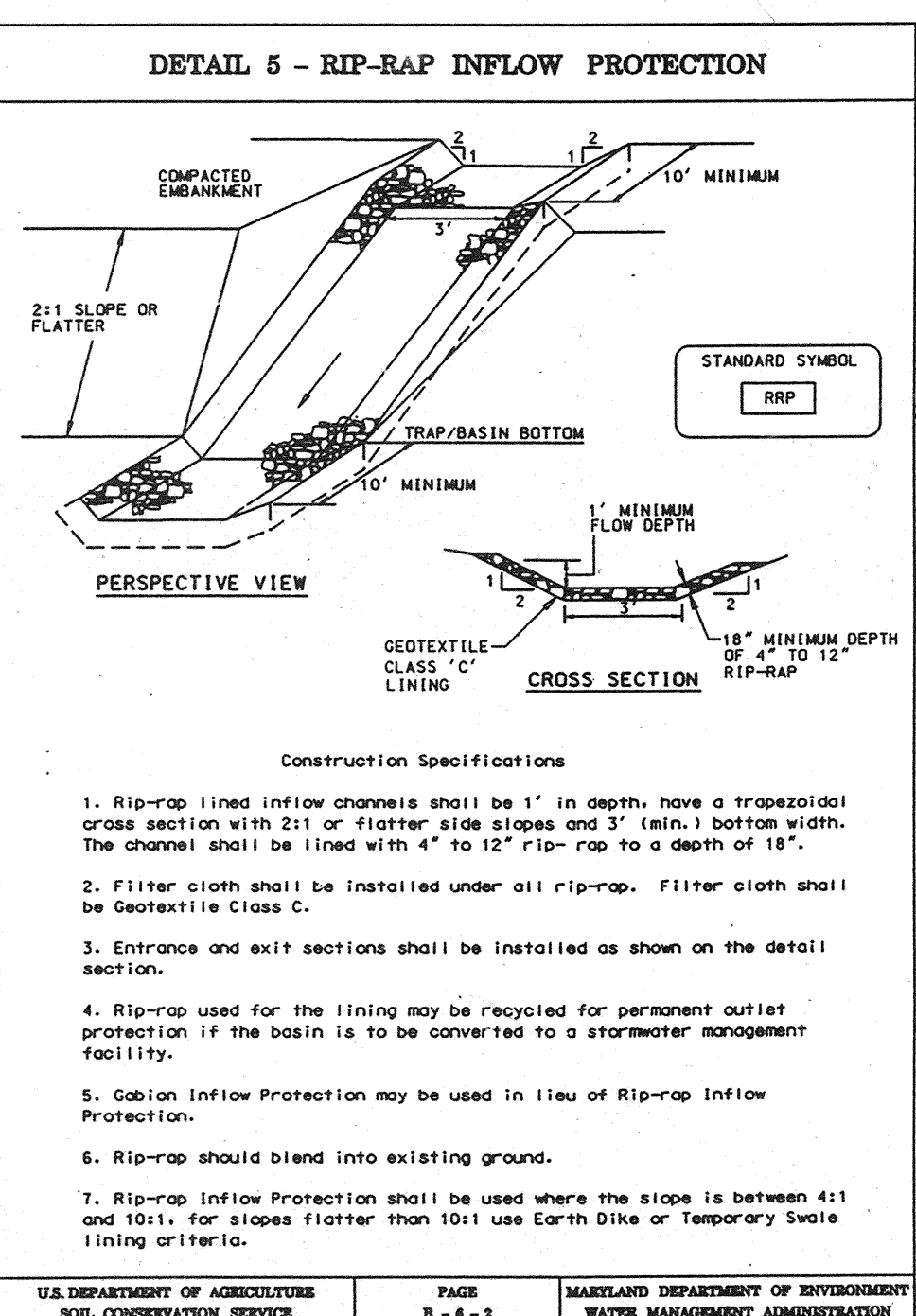
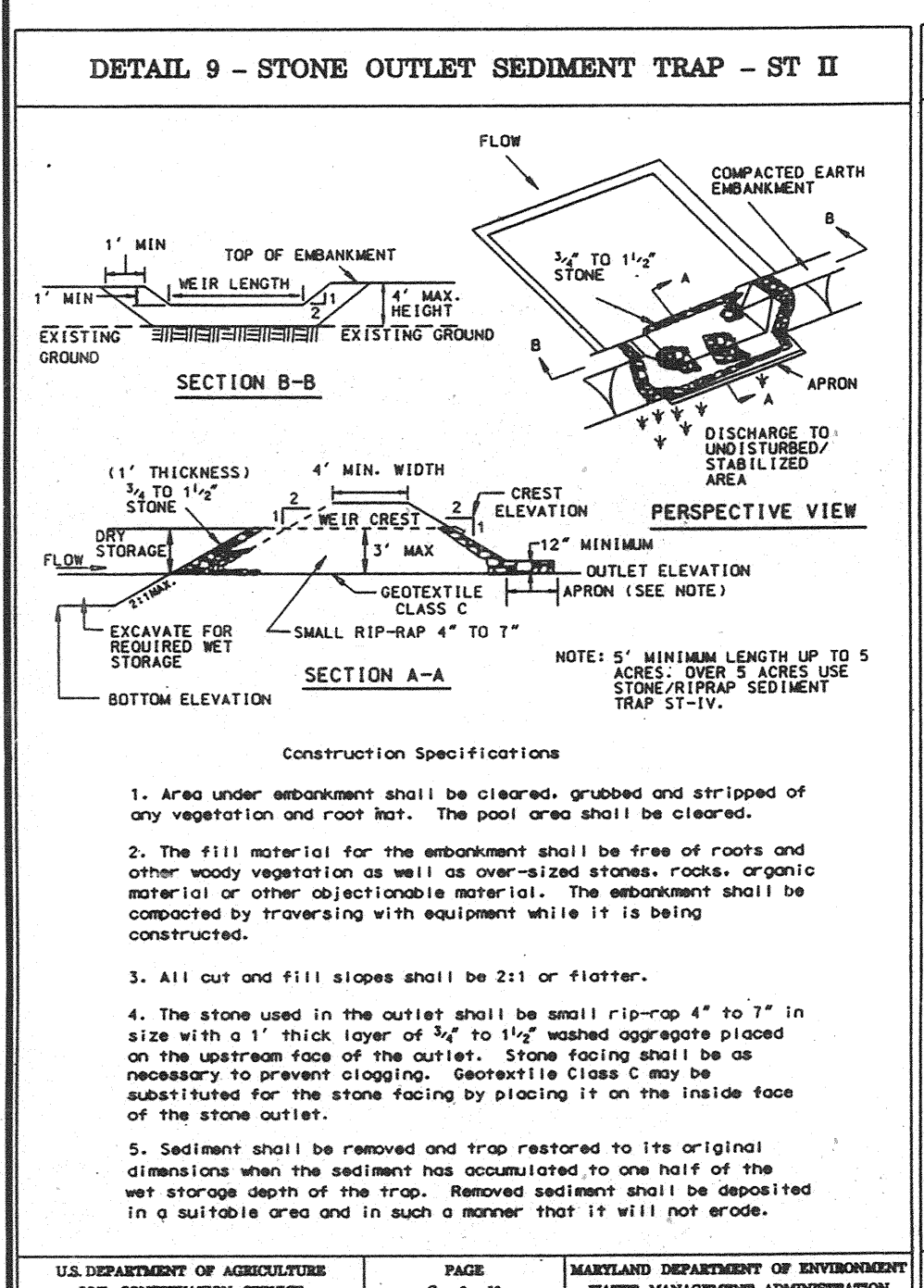
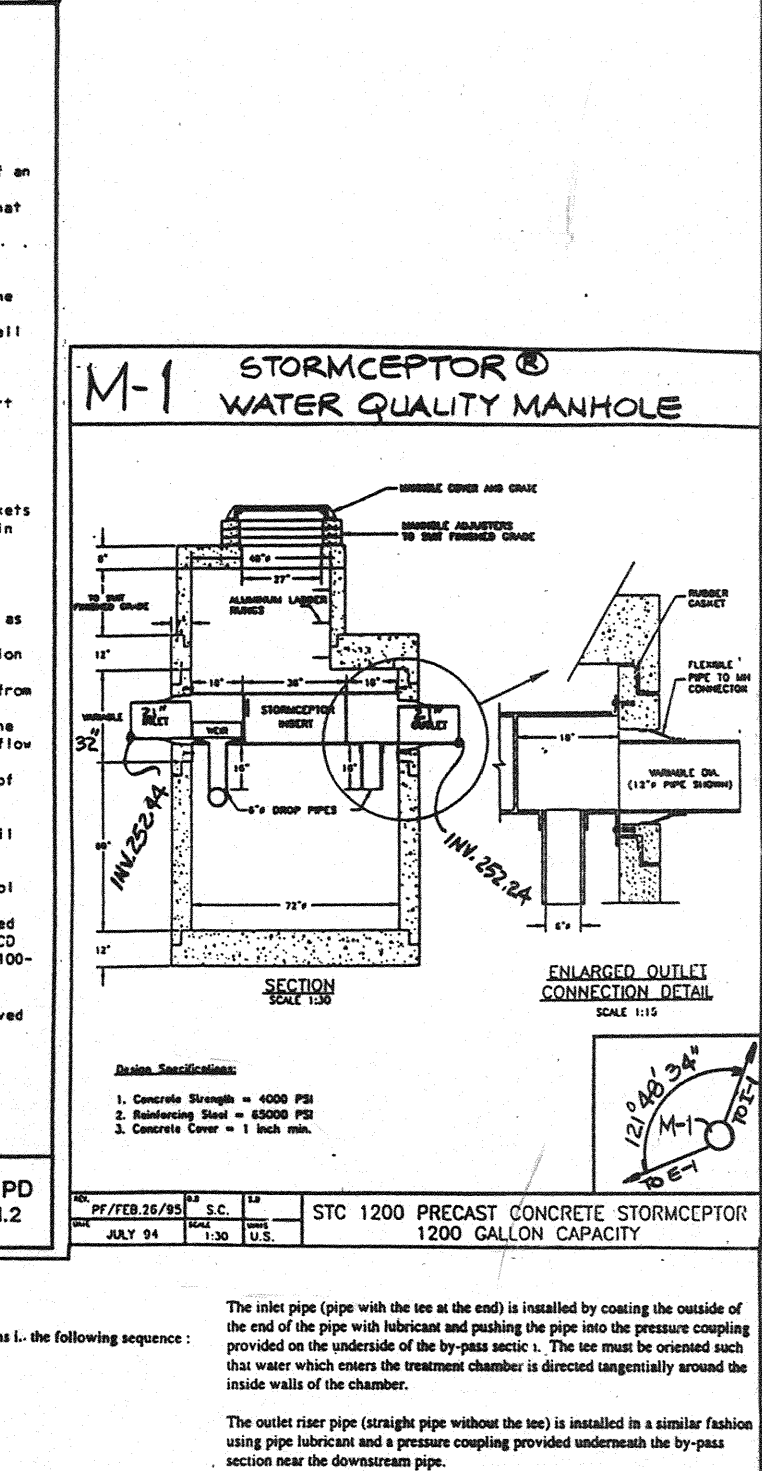
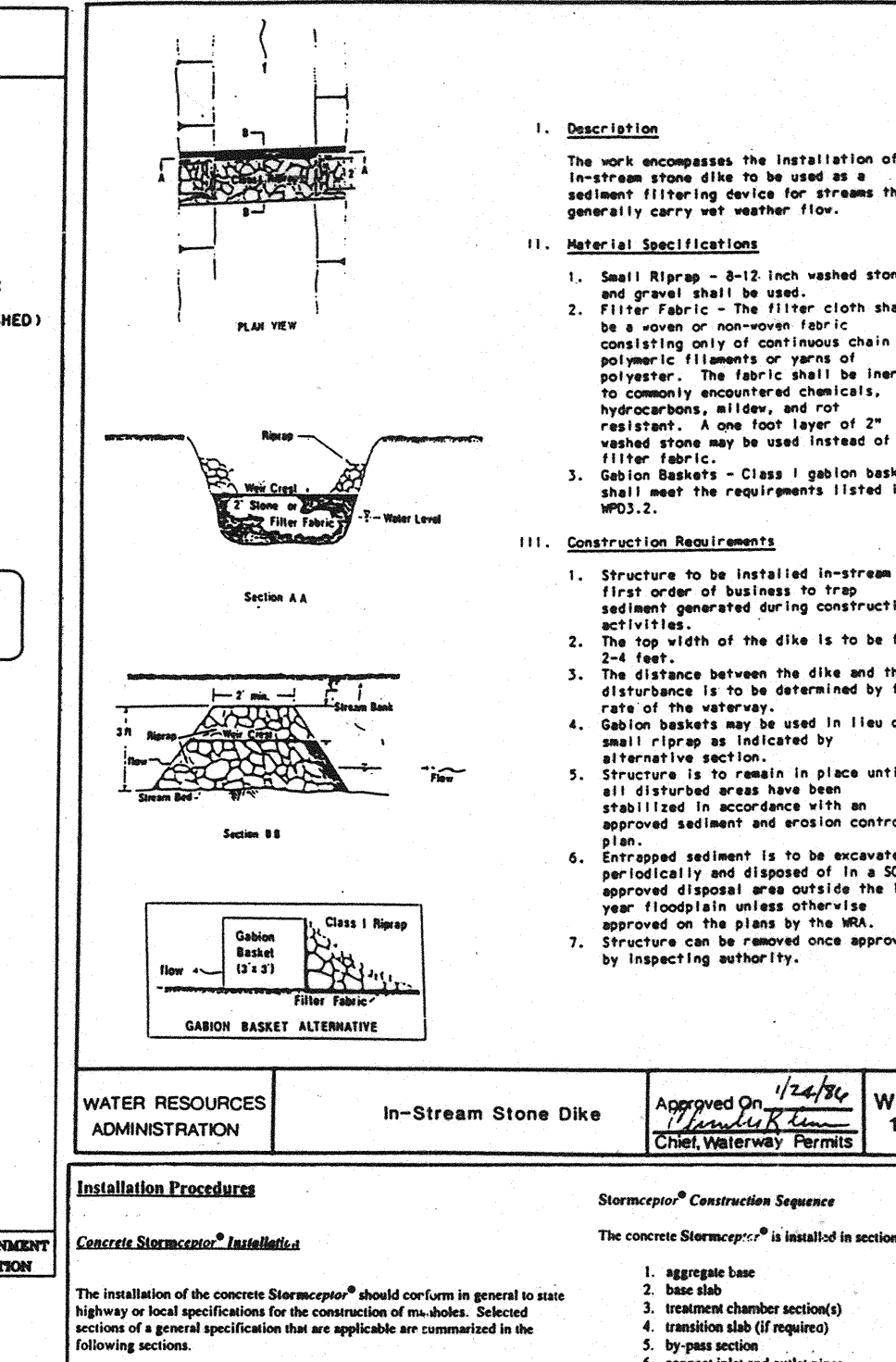
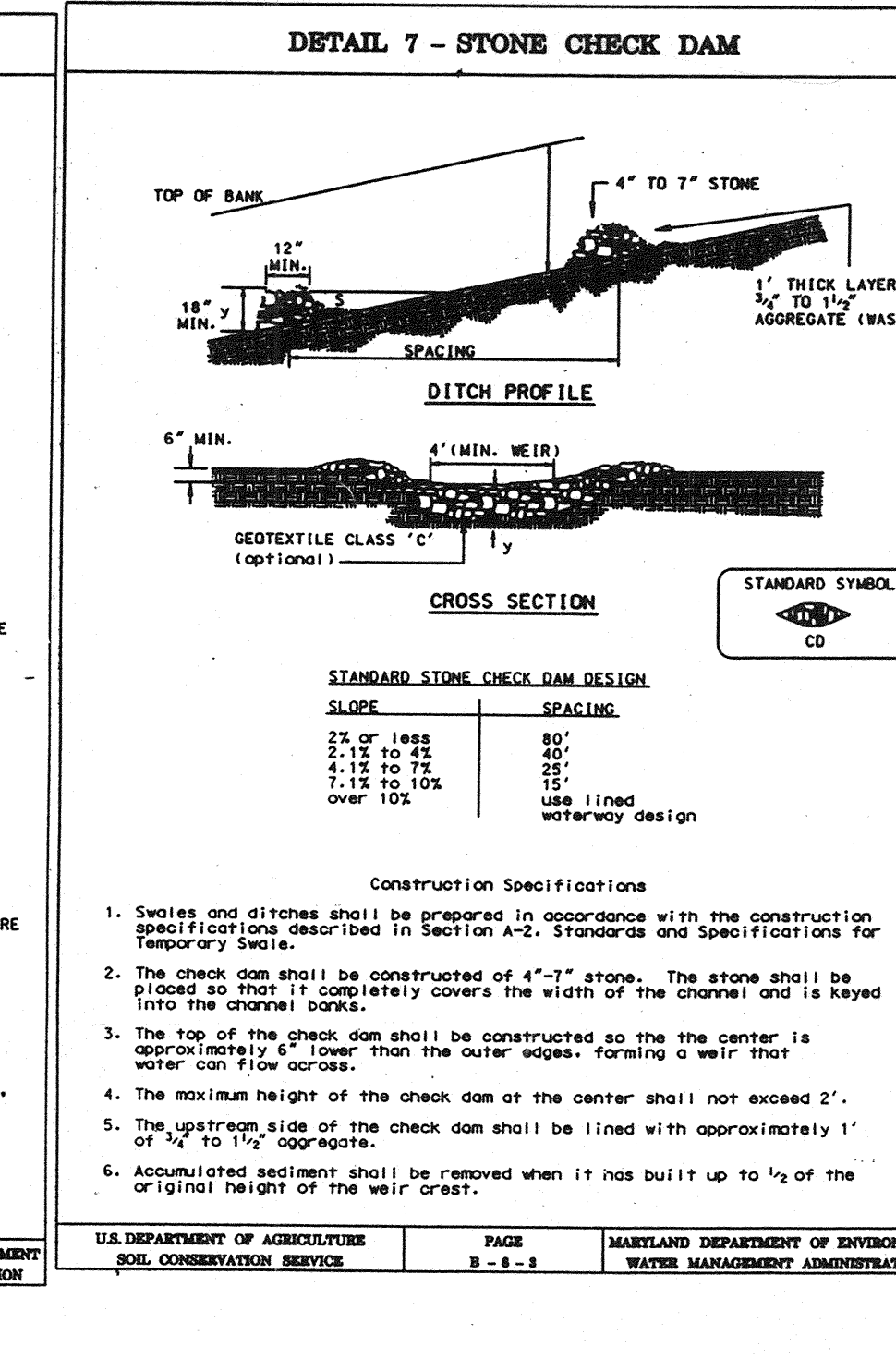
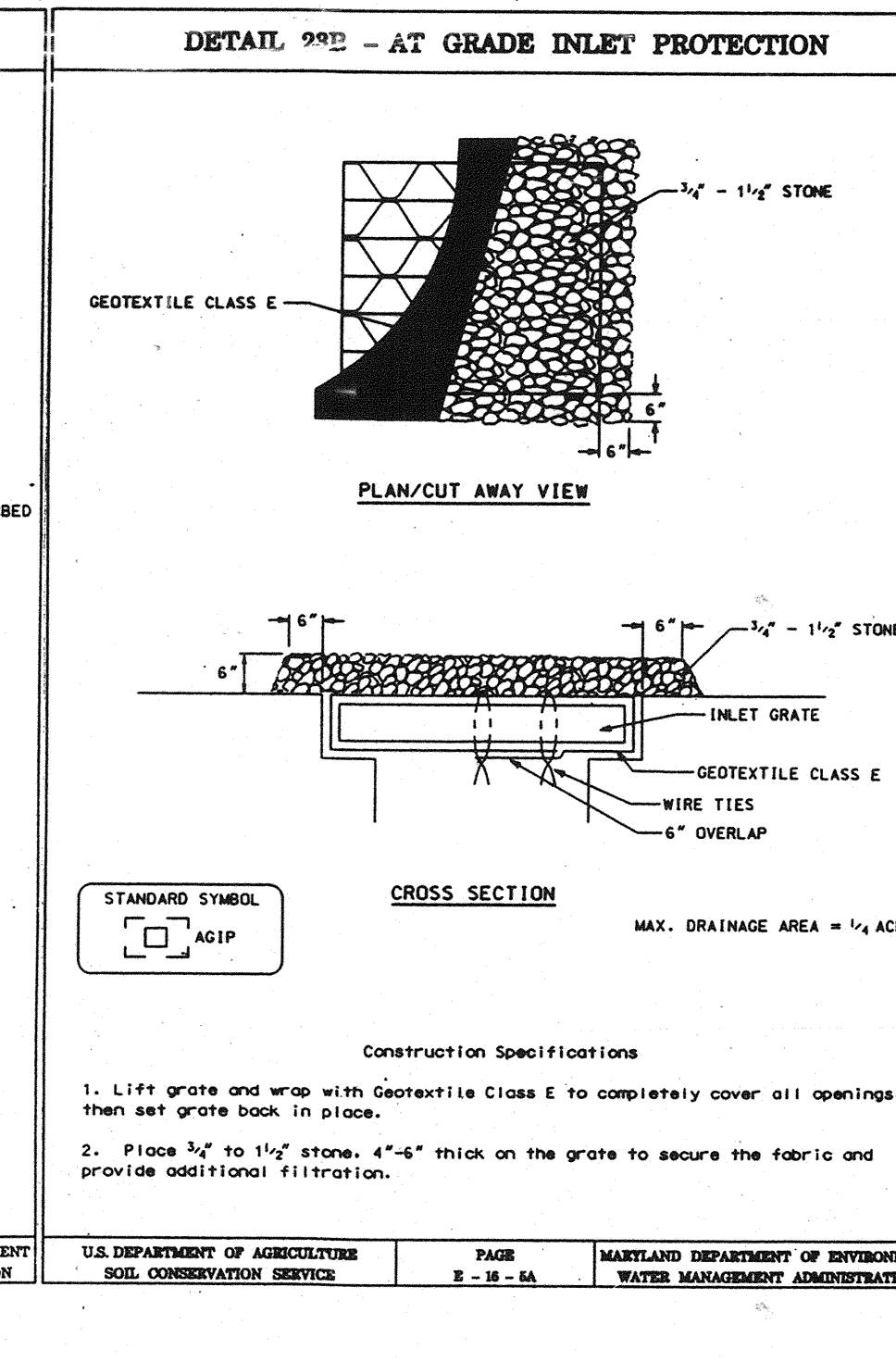
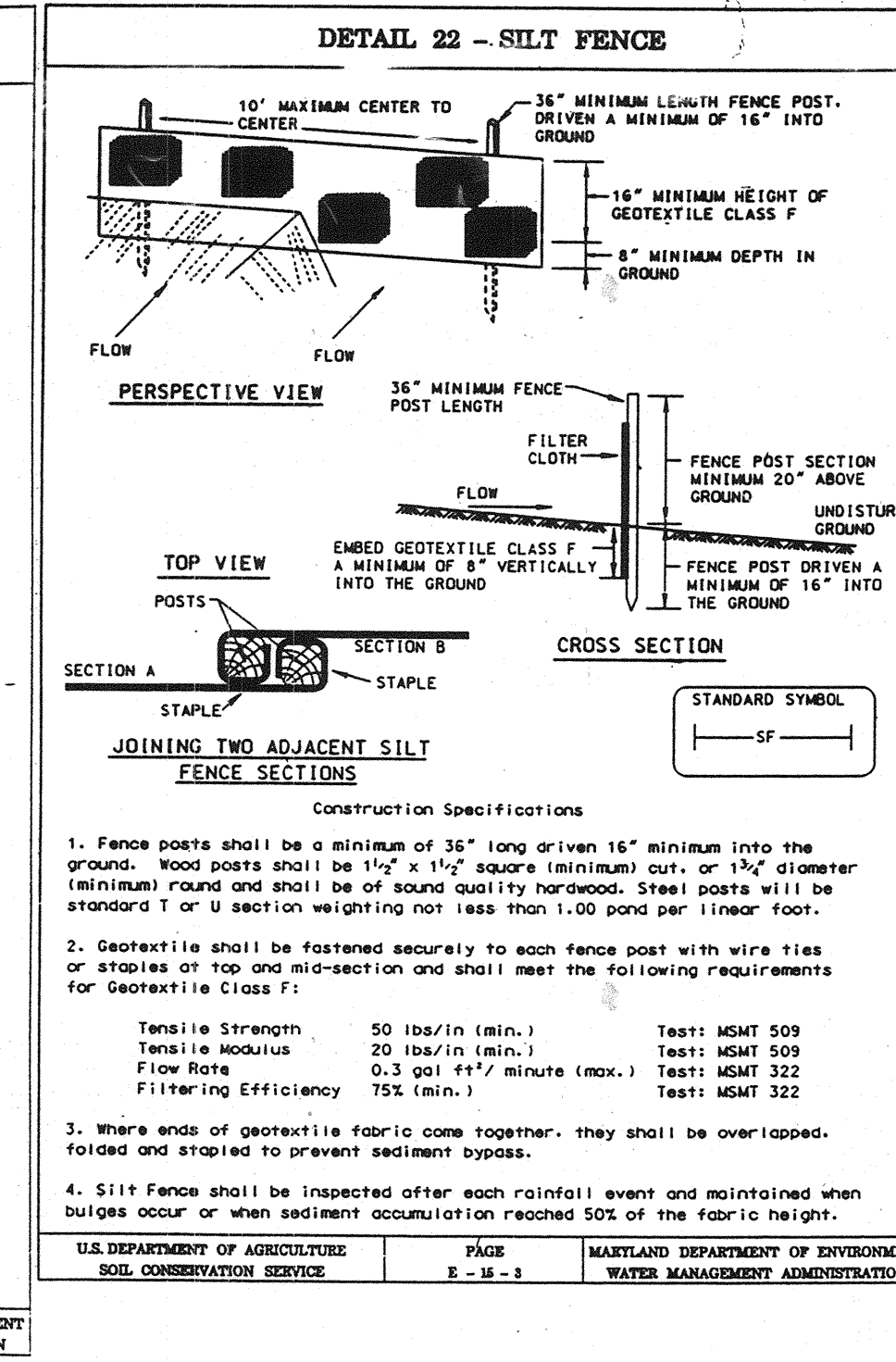
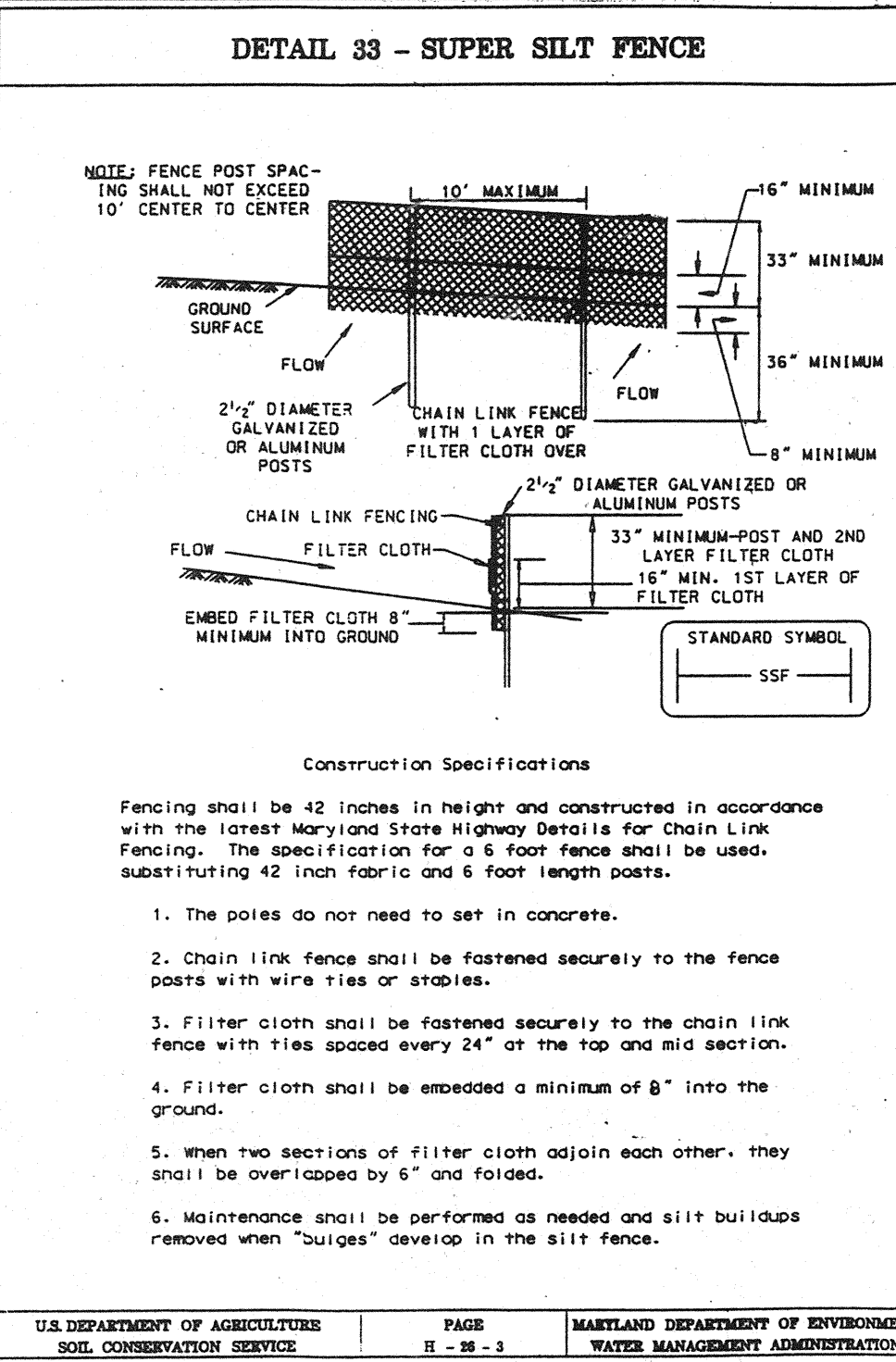
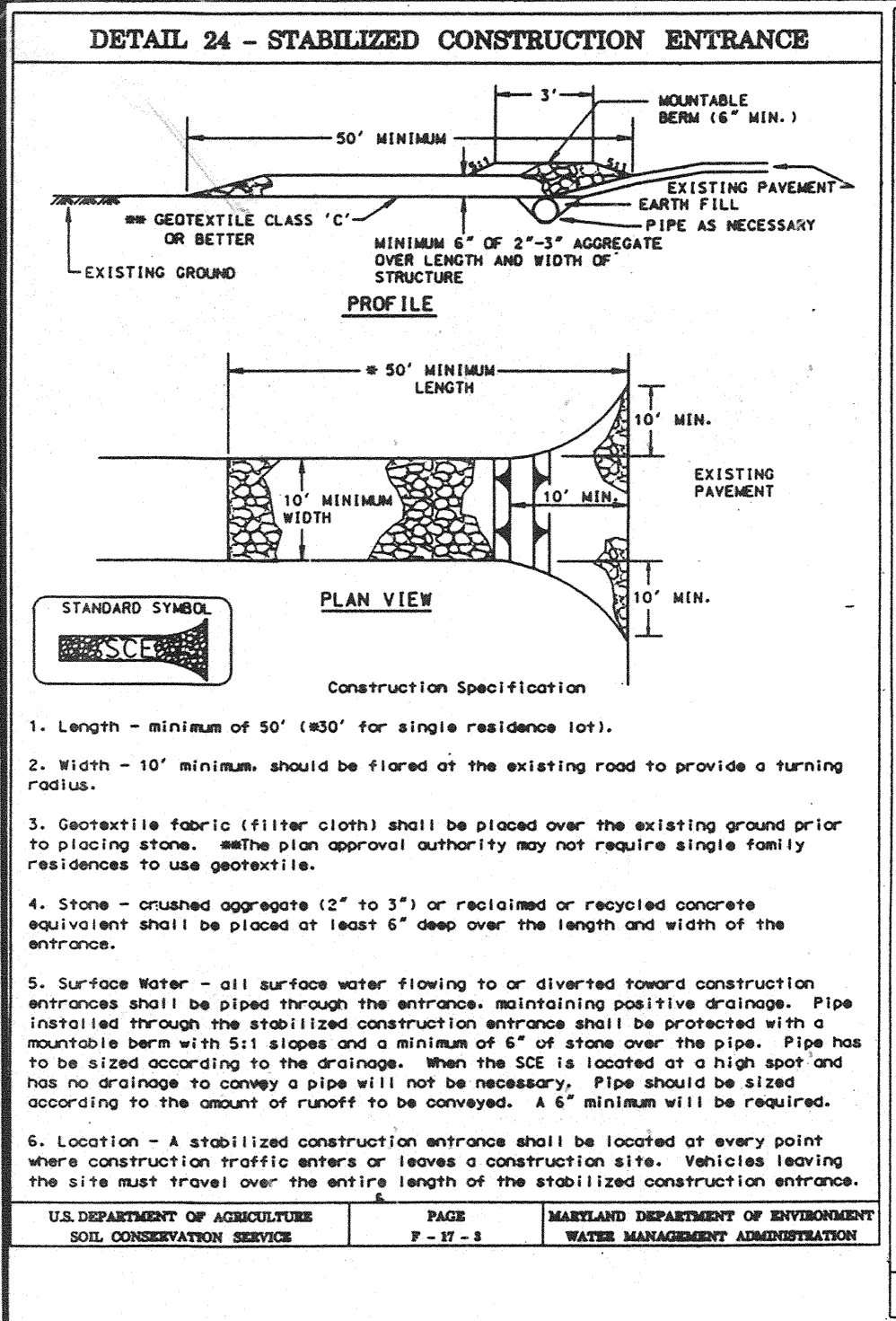
NO.	REVISION	DATE
1	ADDED DETAIL "HANDICAPPED PARKING" TO SHEET 4 OF 4.	
2	VIA RED-LINE PROCESS ADDED LOADING RAMP TO PLAN AND THE "HANDICAPPED PARKING" DETAIL ON SHEET 4 OF 4.	2/23/96

**D & H DISTRIBUTING CO.**  
8220 WELLMOOR CT.  
HOWARD COUNTY, MD  
6TH ELECTION DIST.  
DEED REF: L 555, F 731  
S.D.P. 95-80

SCALE: 1" = 50'  
H.E.C. NO. 95008

DATE: 2/23/96  
SHEET 1 OF 4

SDP-95-80



### PERMANENT SEEDING NOTES

APPLY TO GRADED OR CLEARED AREAS NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LONG-LIVED VEGETATIVE COVER IS NEEDED.

**SECOND PREPARATION:** LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.

**SOIL AMENDMENTS:** IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF THE FOLLOWING SCHEDULES:

- PREFERRED - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS/1000 SQ. FT.) AND 400 LBS PER ACRE 10-10 FERTILIZER (14 LBS/1000 SQ. FT.) BEFORE SEEDING. HARBOR OR DISC INTO UPPER THREE INCHES OF SOIL. AT TIME OF SEEDING, APPLY 400 LBS PER ACRE 30-0-0 UREA-NITROGEN FERTILIZER (9 LBS/1000 SQ. FT.).
- ACCEPTABLE - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS/1000 SQ. FT.) AND 1000 LBS PER ACRE 10-10 FERTILIZER (23 LBS/1000 SQ. FT.) BEFORE SEEDING. HARBOR OR DISC INTO UPPER THREE INCHES OF SOIL.
- MULCHING - APPLY 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS/1000 SQ. FT.) OF UNROTTED SMALL STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 238 GALLONS PER ACRE (5 GAL/1000 SQ. FT.) OF UNROTTED ASPHALT ON FLAT AREAS. ON SLOPES 5 FEET OR HIGHER, USE 348 GALLONS PER ACRE (8 GAL/1000 SQ. FT.) FOR ANCHORING.

**MAINTENANCE:** INSPECT ALL SEEDING AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.

### TEMPORARY SEEDING NOTES

APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE REDISTURBED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.

**SECOND PREPARATION:** LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.

**SOIL AMENDMENTS:** FOR PERIODS MARCH 1 THROUGH APRIL 30 AND FROM AUGUST 15 THROUGH NOVEMBER 15, SEED WITH 2% BURETAL PER ACRE OF ANNUAL RYE (2.2 LBS/1000 SQ. FT.) FOR THE PERIOD MAY 1 THROUGH AUGUST 14, SEED WITH 3 LBS PER ACRE OF WEEPING LOVEGRASS (.07 LBS/1000 SQ. FT.). FOR THE PERIOD NOVEMBER 16 THROUGH FEBRUARY 29, PROTECT SITE BY APPLYING 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OR USE SOIL.

**SEEDING:** FOR PERIODS MARCH 1 THROUGH APRIL 30 AND FROM AUGUST 15 THROUGH NOVEMBER 15, SEED WITH 2% BURETAL PER ACRE OF ANNUAL RYE (2.2 LBS/1000 SQ. FT.) FOR THE PERIOD MAY 1 THROUGH AUGUST 14, SEED WITH 3 LBS PER ACRE OF WEEPING LOVEGRASS (.07 LBS/1000 SQ. FT.). FOR THE PERIOD NOVEMBER 16 THROUGH FEBRUARY 29, PROTECT SITE BY APPLYING 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OR USE SOIL.

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REFER TO THE MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

### STORM DRAIN COMPUTATIONS (FUTURE CONDITIONS)

FROM NO.	TO NO.	AREA (AC)	TOTAL AREA (AC)	C	QVA	QVB	QVC	QVD	QVE	DES. SLOPE	DIAMETER (IN)	VELOCITY (FT/SEC)	LENGTH (FT)	THAT (MIN)	REMARKS
I-1	I-2	1.00	1.00	0.51	0.51	0.51	0.51	0.51	0.51	0.45	15	3.75	15	0.1	PAVED
I-2	I-3	0.54	0.54	0.56	0.56	0.56	0.56	0.56	0.56	0.45	15	3.75	15	0.1	PAVED
I-3	I-4	1.54	1.54	1.11	1.11	1.11	1.11	1.11	1.11	0.46	21	4.3	55	0.2	SUMP
I-4	I-5	0.30	0.30	0.76	0.76	0.76	0.76	0.76	0.76	0.36	24	4.2	265	0.4	
M-1	M-2	1.84	1.84	1.40	1.40	1.40	1.40	1.40	1.40	0.36	24	4.2	42	0.1	
I-4	E-2	2.49	2.49	0.81	0.81	0.81	0.81	0.81	0.81	0.40	27	4.8	42	0.1	SUMP

### PROPOSED STORM DRAIN COMPUTATIONS (FUTURE CONDITIONS)

FROM NO.	TO NO.	AREA (AC)	TOTAL AREA (AC)	C	QVA	QVB	QVC	QVD	QVE	DES. SLOPE	DIAMETER (IN)	VELOCITY (FT/SEC)	LENGTH (FT)	THAT (MIN)	REMARKS
I-1	I-2	1.00	1.00	0.51	0.51	0.51	0.51	0.51	0.51	0.45	15	3.75	15	0.1	PAVED
I-2	I-3	0.54	0.54	0.56	0.56	0.56	0.56	0.56	0.56	0.45	15	3.75	15	0.1	PAVED
I-3	I-4	1.54	1.54	1.11	1.11	1.11	1.11	1.11	1.11	0.46	21	4.3	55	0.2	SUMP
I-4	I-5	0.30	0.30	0.76	0.76	0.76	0.76	0.76	0.76	0.36	24	4.2	265	0.4	
M-1	M-2	1.84	1.84	1.40	1.40	1.40	1.40	1.40	1.40	0.36	24	4.2	42	0.1	
I-4	E-2	2.49	2.49	0.81	0.81	0.81	0.81	0.81	0.81	0.40	27	4.8	42	0.1	SUMP

### ADDRESS CHART

LOT NO.	STREET ADDRESS
PARCEL 1A BLOCK B	8220 WELLMOOR COURT
PARCEL 1B BLOCK B	8215 WELLMOOR COURT

### SEDIMENT CONTROL DETAILS & SPECS.

PROPOSED LOADING AREA PAVEMENT ONLY

PROPOSED BUILDING EXPANSION

D&H DISTRIBUTING CO.  
8220 WELLMOOR CT.  
HOWARD COUNTY, MD  
6TH ELECTION DIST.  
DEED REF. L-555-F-781  
L-596A, F-600  
S.D.P. 95-80

### ENGINEER'S CERTIFICATE

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.

Donald E. Hicks, P.E. 12/3/95

### DEVELOPER'S CERTIFICATE

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

SPECTOR FAMILY LLC  
JAYARR ASSOCIATES

HARRY SPECTOR 2/3/04  
JAMES SCHWAB 11/8/95

### APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

Director: [Signature] 2/3/96  
Date: 12/15/95  
Date: 2/3/96

### APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

Chief Development Engineering Division: [Signature] 12/13/95  
Date: 12/13/95

### APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

Chief, Division of Community Planning and Land Development: [Signature] 12/13/95  
Date: 12/13/95

### APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

Chief, Division of Community Planning and Land Development: [Signature] 12/13/95  
Date: 12/13/95

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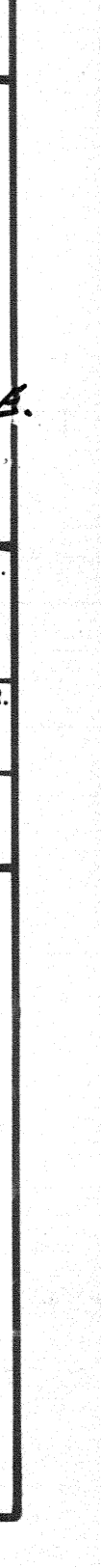
Chief, Division of Community Planning and Land Development: [Signature] 12/13/95  
Date: 12/13/95

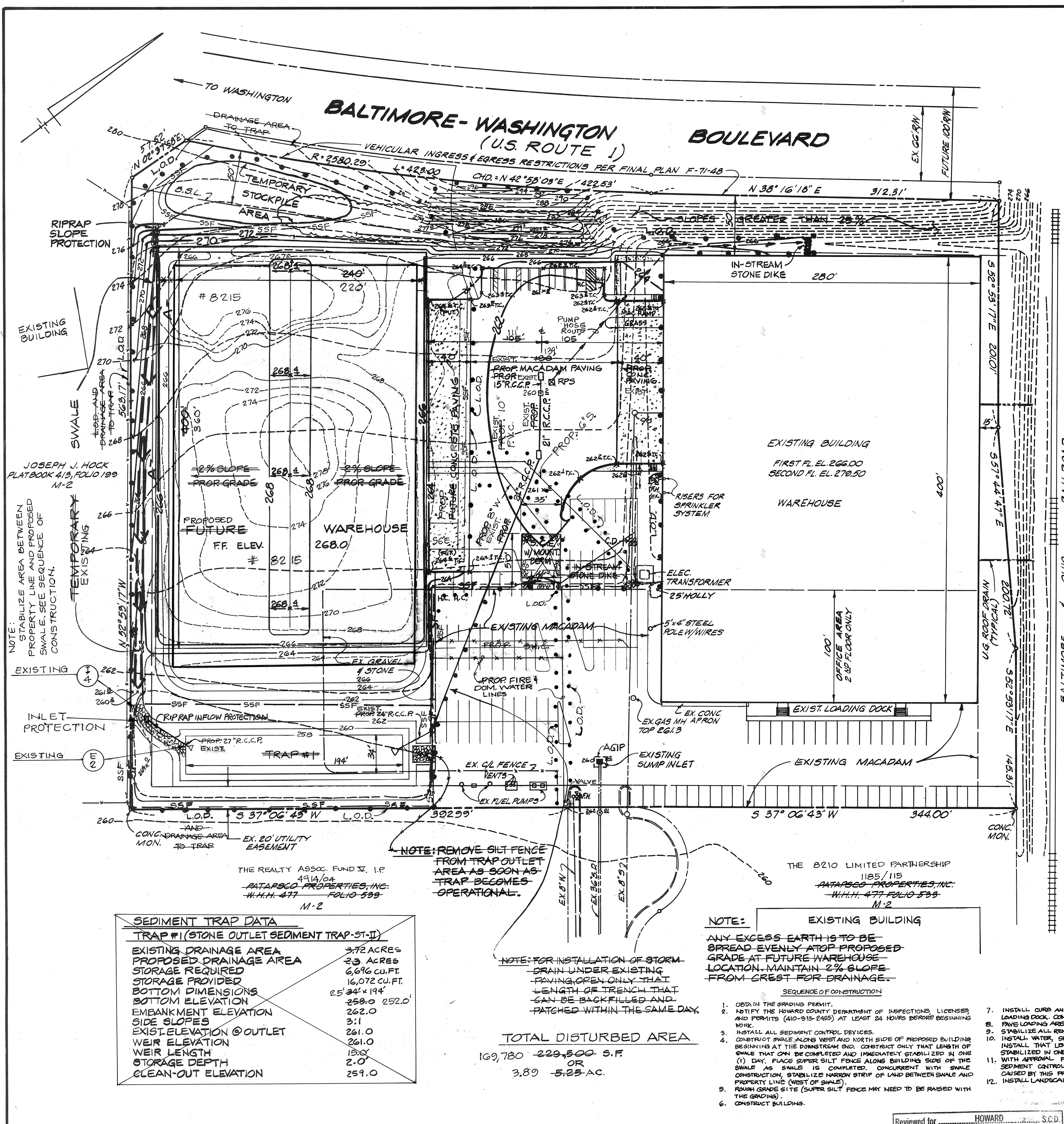
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Date: 12/13/95

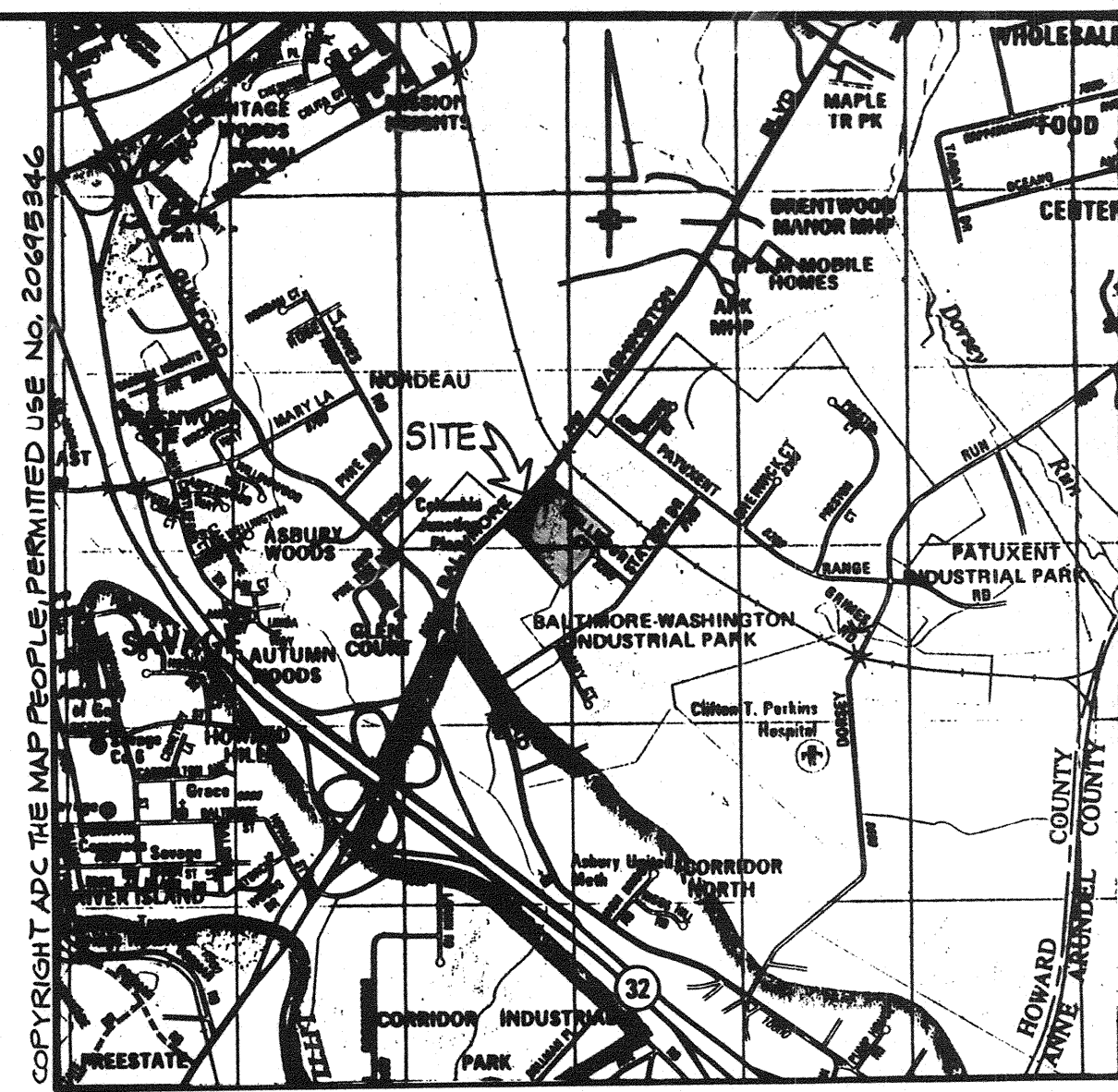
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Date: 12/13/95





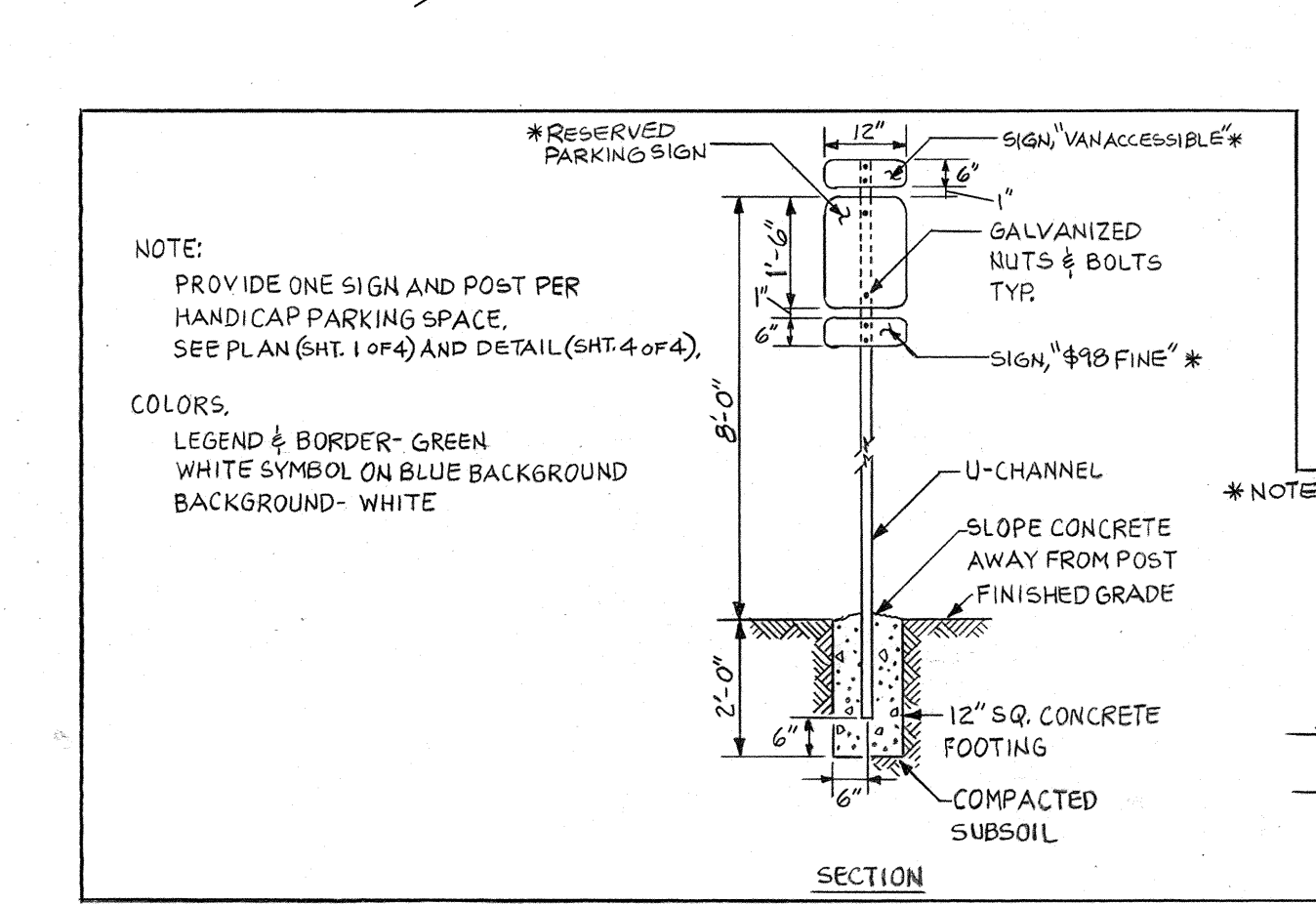
- UTILITY NOTES**
- 1) OPEN ONLY THAT SECTION OF TRENCH THAT CAN BE BACKFILLED AND STABILIZED EACH DAY.
  - 2) PLACE ALL EXCAVATED MATERIAL ON UPHILL SIDE OF TRENCH.
  - 3) ANY SEDIMENT CONTROLS DISTURBED BY UTILITY CONSTRUCTION ARE TO BE REPAIRED IMMEDIATELY.
- SEDIMENT CONTROL NOTES**
- 1) A MINIMUM OF 24 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY OFFICE OF INSPECTION AND PERMITS PRIOR TO THE START OF ANY CONSTRUCTION. (592-2455).
  - 2) ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
  - 3) FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: A) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1; B) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
  - 4) ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 12, OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
  - 5) ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDINGS, SOIL, TEMPORARY SEEDING AND MULCHING, TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
  - 6) ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
  - 7) SITE ANALYSIS:  
 TOTAL AREA OF SITE: 10.15 ACRES  
 AREA DISTURBED: 3.85 = 5.25 ACRES  
 AREA TO BE ROOFED OR PAVED: 2.03 = 2.20 ACRES  
 AREA TO BE VEGETATIVELY STABILIZED: 1.81 = 4.05 ACRES  
 TOTAL CUT: 15,000 CU. YDS.  
 TOTAL FILL: 15,000 CU. YDS.  
 OFFSITE WASTE/BORROW AREA LOCATION: N/A
  - 8) ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
  - 9) ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY DEP SEDIMENT CONTROL INSPECTOR.
  - 10) ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES, APPROVAL OF THE PERIMETER EROSION AND SEDIMENT CONTROLS, BUT BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING, OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.  
 NOTE: EXCESS MATERIAL TO BE USED ON-SITE (SITE IS BALANCED)



**LEGEND**

- STABILIZED CONSTRUCTION ENTRANCE
- SUPER SILT FENCE
- SILT FENCE
- AT GRADE INLET PROTECTION
- STONE CHECK DAM
- IN-STREAM STONE DIKE
- TEMPORARY SWALE
- REMOVABLE PUMPING STATION
- MOUNTABLE BERM
- LIMIT OF DISTURBANCE
- DEWATERING BASIN
- PUMP OUTLET HOSE
- EXISTING CONTOURS
- PROPOSED CONTOURS
- SPOT ELEVATION

- SEQUENCE OF OPERATIONS**
- 1) ACQUIRE GRADING PERMIT.
  - 2) NOTIFY THE HOWARD COUNTY OFFICE OF INSPECTION AND PERMITS 24 HOURS PRIOR TO BEGINNING WORK.
  - 3) INSTALL ALL SEDIMENT CONTROL DEVICES.
  - 4) ROUGH GRADE SITE, EXCEPT FOR PROPOSED INFILTRATION BASIN AREA.
  - 5) INSTALL STORM DRAINS FROM "1-1" TO "1-1" ONLY (BLOCK INLET OPENING TO PREVENT ANY WATER OR SEDIMENT FROM ENTERING PIPE).
  - 6) INSTALL PAVING SUBBASE AND CURB AND GUTTER AS WALKWAYS AND LOADING DOCK, AND FRESH GRADE, SEPARATORS, AT SITE.
  - 7) PAVE LOADING AREA AND STABILIZE REMAINING DISTURBED AREAS.
  - 8) UPON APPROVAL OF THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR, CONVERT SEDIMENT TRAP #1 TO STORMWATER MANAGEMENT INFILTRATION BASIN AFTER DETERMINING AND REMOVAL OF ALL SEDIMENT.
  - 9) INSTALL REMAINDER OF STORM DRAINS (FROM "1-1" TO "1-1").
  - 10) STABILIZE INFILTRATION BASIN AND UNBLOCK INLET OPENING.
  - 11) UPON APPROVAL OF THE SEDIMENT CONTROL INSPECTOR, REMOVE ALL REMAINING SEDIMENT CONTROL DEVICES AND IMMEDIATELY STABILIZE ANY DISTURBED AREAS WITH SAND REMOVAL.



**OWNER/DEVELOPER**  
 SPECTOR FAMILY LLC  
 JAYARR ASSOCIATES  
 8220 WELLMOOR COURT  
 SAVAGE, MD 20763  
 HARRY SPECTOR  
 CONTACT: JIM SCHWAB  
 (717) 255-7669

**DATE:** 12/13/95

**SEDIMENT TRAP DATA**

TRAP #1 (STONE OUTLET SEDIMENT TRAP-ST-II)

EXISTING DRAINAGE AREA	3.72 ACRES
PROPOSED DRAINAGE AREA	2.3 ACRES
STORAGE REQUIRED	6,646 CU. FT.
STORAGE PROVIDED	16,072 CU. FT.
BOTTOM DIMENSIONS	25' 34" x 194'
BOTTOM ELEVATION	259.0 - 252.0
EMBANKMENT ELEVATION	262.0
SIDE SLOPES	3:1
EXIST. ELEVATION @ OUTLET	261.0
WEIR ELEVATION	261.0
WEIR LENGTH	15' 0"
STORAGE DEPTH	2.0'
CLEAN-OUT ELEVATION	259.0

**NOTE: REMOVE SILT FENCE FROM TRAP OUTLET AREA AS SOON AS TRAP BECOMES OPERATIONAL.**

**NOTE: FOR INSTALLATION OF STORM DRAIN UNDER EXISTING PAVING, OPEN ONLY THAT LENGTH OF TRENCH THAT CAN BE BACKFILLED AND PATCHED WITHIN THE SAME DAY.**

**NOTE: ANY EXCESS EARTH IS TO BE SPREAD EVENLY AROUND PROPOSED GRADE AT FUTURE WAREHOUSE LOCATION. MAINTAIN 2% SLOPE FROM CREST FOR DRAINAGE.**

- SEQUENCE OF CONSTRUCTION**
1. OBTAIN THE GRADING PERMIT.
  2. NOTIFY THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS (410-915-2455) AT LEAST 24 HOURS BEFORE BEGINNING WORK.
  3. INSTALL ALL SEDIMENT CONTROL DEVICES.
  4. CONSTRUCT SWALE ALONG WEST AND NORTH SIDE OF PROPOSED BUILDING BEGINNING AT THE DOWNSTREAM END. CONSTRUCT ONLY THAT LENGTH OF SWALE THAT CAN BE COMPLETED AND IMMEDIATELY STABILIZED IN ONE (1) DAY. PLACE SUPER SILT FENCE ALONG BUILDING SIDE OF THE SWALE AS SWALE IS COMPLETED. CONCURRENT WITH SWALE CONSTRUCTION, STABILIZE NARROW STRIP OF LAND BETWEEN SWALE AND PROPERTY LINE (WEST OF SWALE).
  5. ROUGH GRADE SITE (SUPER SILT FENCE MAY NEED TO BE RAISED WITH THE GRADING).
  6. CONSTRUCT BUILDINGS.
  7. INSTALL CURB AND GUTTER, PAVING SUBBASE, AND WALKWAYS AND LOADING DOCK, CONCURRENTLY, FINE GRADE REMAINDER OF SITE.
  8. PAVE LOADING AREA.
  9. STABILIZE ALL REMAINING DISTURBED AREAS.
  10. INSTALL WATER, GEMER & 10' PVC ROOF LEADER CONNECTIONS. ONLY INSTALL THAT LENGTH OF UTILITY THAT CAN BE BACKFILLED AND STABILIZED IN ONE (1) DAY.
  11. WITH APPROVAL FROM THE SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT CONTROL DEVICES AND STABILIZE THE DISTURBED AREAS CAUSED BY THIS PROCESS.
  12. INSTALL LANDSCAPING.

**ENGINEER'S CERTIFICATE**

"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."

**Donald E. Hicks, P.E.**  
 DATE: 12/13/95

**DEVELOPER'S CERTIFICATE**

"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 THE SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT."

**HARRY SPECTOR**  
 DATE: 3/31/04

**JAMES SCHWAB**  
 DATE: 12/13/95

**APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING**

**James J. D'Agostino**  
 DATE: 2/15/95

**Jim Schwegel**  
 DATE: 2/15/95

**ADDRESS CHART**

LOT NO.	STREET ADDRESS
PARCEL 'A' BLOCK 'B'	8220 WELLMOOR COURT
	8215 WELLMOOR COURT

**REVISION**

NO.	REVISION	DATE
2	SEE SHEET 1 OF 4	2/20/96
3	FUTURE WAREHOUSE TO PROPOSED	
4	GENERAL PLAN REVISION ADDED HANDICAPPED PARKING THIS SHEET	3/31/04
5	REVISED W., SEWER & S.D. BLDG. CONNS - REVISED SED. TRAP DETAIL	4/18/05

**SEDIMENT CONTROL PLAN**

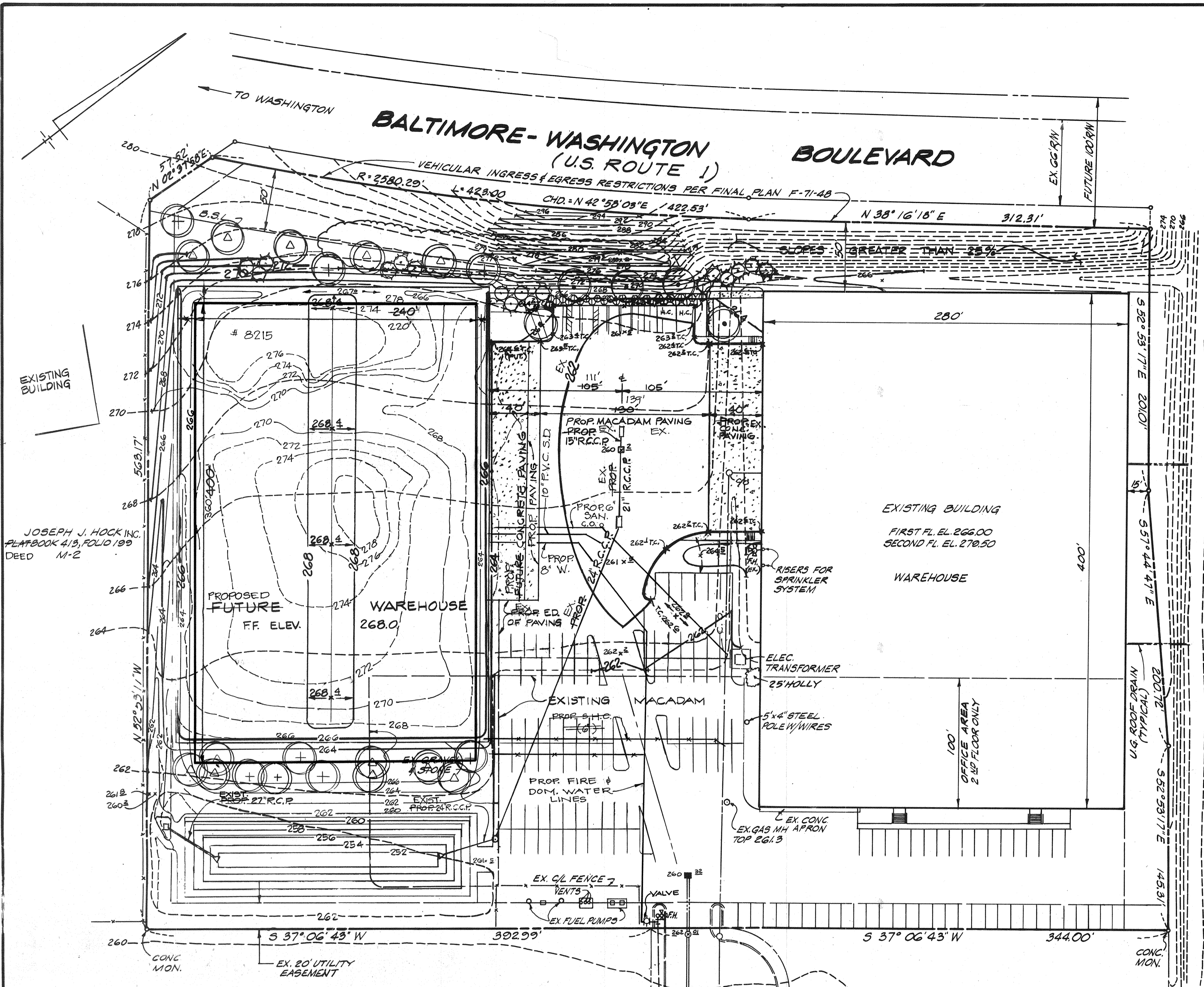
PROPOSED LOADING AREA PAVEMENT ONLY PROPOSED BUILDING EXPANSION

**D&H DISTRIBUTING CO.**  
 8220 WELLMOOR CT.  
 HOWARD COUNTY, MD  
 6TH ELECTION DIST.  
 DEED REF: L-555 E-731  
 S.D.P. 95-80

**SCALE:** 1" = 50'  
 H.E.C. NO. NO. 95005

**DATE:** 2/23/95  
**SHEET:** 2 OF 4

**HICKS ENGINEERING CO., INC.**  
 ENGINEERS, SURVEYORS & PLANNERS  
 200 EAST JOPPA ROAD - SUITE 402  
 TOWSON, MARYLAND 21286



**SITE ANALYSIS**

1. AREA OF PARCEL	10.15 AC.± (442,000 S.F.±)
2. PRESENT ZONING	M-2
3. PROPOSED USE OF STRUCTURE	WAREHOUSE/DISTRIBUTION (EXISTING)
4. FLOOR SPACE (EXISTING BUILDING)	111,000 S.F. (WAREHOUSE) & 1000 S.F. (OFFICE)
5. FLOOR SPACE (FUTURE BUILDING)*	86,000 S.F. (OFFICE)
6. PARKING SPACES REQUIRED	0.5 SPACES PER 1,000 S.F. (OFFICE), 33/1000 (WAREHOUSE)
7. MIN. HANDICAP PARKING REQUIRED	5 SPACES (AS REQUIRED FOR 101 TO 150 TOTAL PARKING)
8. HANDICAP SPACES PROVIDED	5 SPACES

**PLANT LIST**

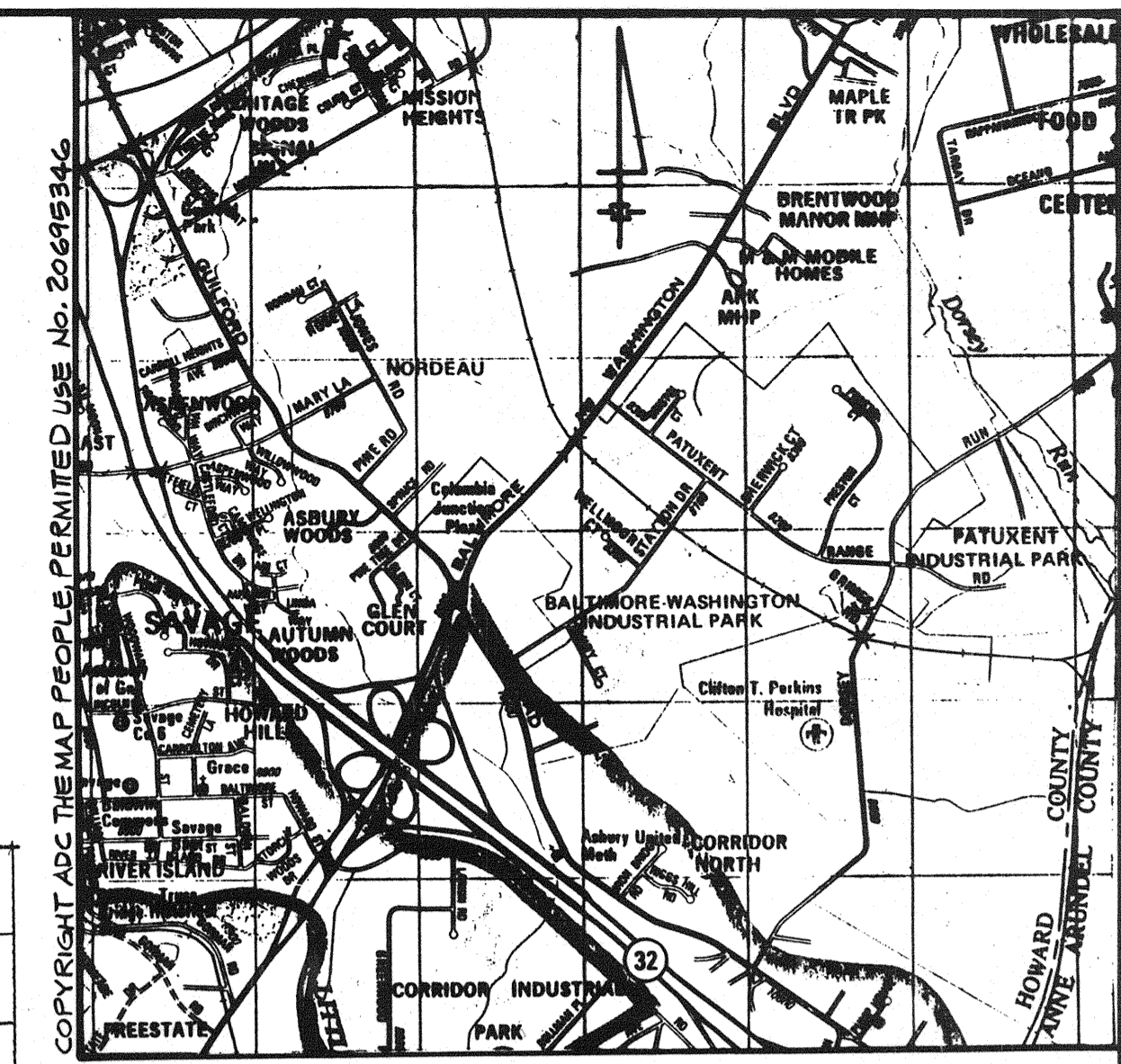
KEY	QTY.	BOTANICAL NAME COMMON NAME	SIZE	COND	REMARKS
⊕	7	PRAXINUS PENN. 'PATMORE' 'PATMORE' ASH	2 1/2 - 3" CAL.	B & B	
⊙	10	QUERCUS PALUSTRIS PIN OAK	2 1/2 - 3" CAL.	B & B	
⊗	5	ZELKOVA SERRATA 'GR. VASE' 'GREEN VASE' ZELKOVA	2 1/2 - 3" CAL.	B & B	
⊛	17	PINUS STROBUS WHITE PINE	6-8' HT.	B & B	
⊠	28	EUONYMUS FATEENS 'PAULI' EVERGREEN EUONYMUS	24-30" HT.	B & B	SPACE 4' O.C. STAGGERED

- NOTES:**
- Contractor is to notify Miss Utility a minimum of 72 hours prior to digging. Telephone: 1-800-257-7777
  - The Landscape Architect is to be notified 48 hours before planting begins. The location of all plant material is to be approved in the field by the Landscape Architect.
  - This plan is to be used for planting only.
  - No tree or shrub planting pits are to be left open or unattended.
  - Shrubs are to be grouped into mulched beds. Beds are to be edged and the grass is to be killed or removed prior to mulching.

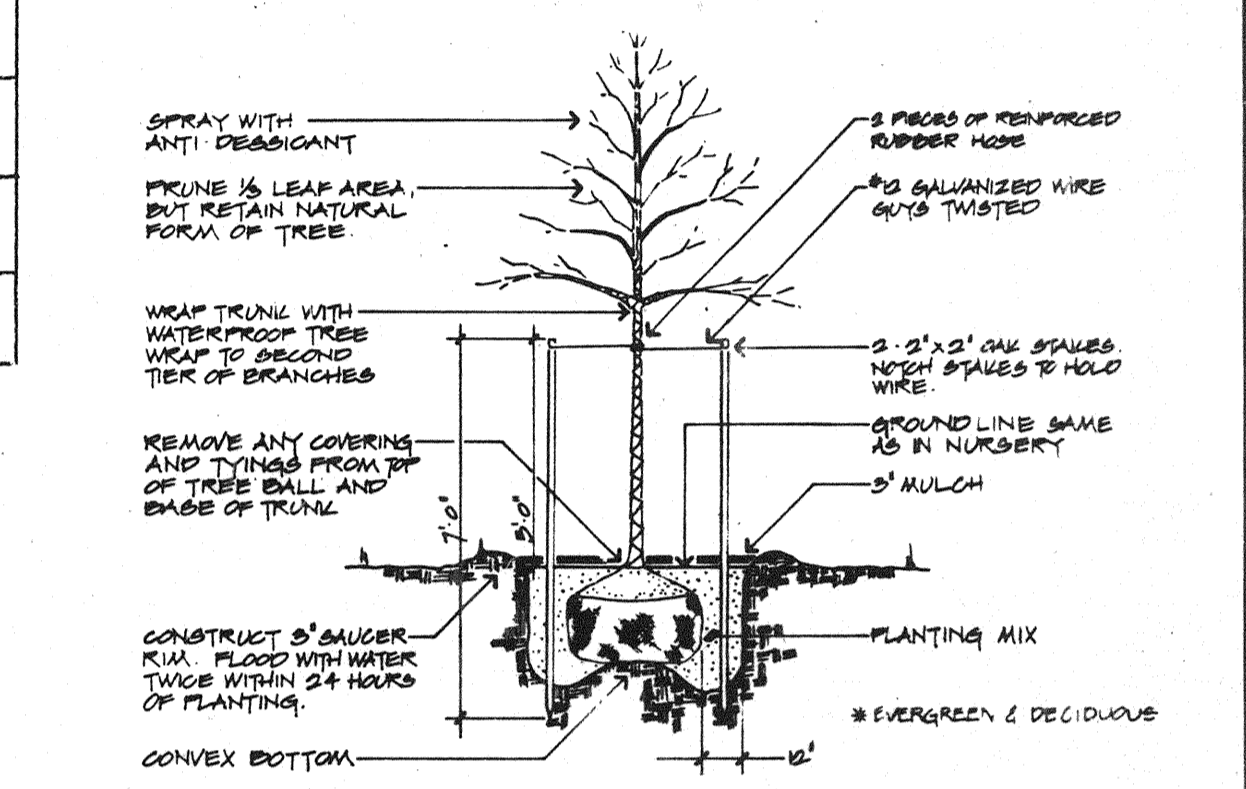
**LANDSCAPE CALCULATIONS**

PERIMETER LANDSCAPE EDGE:

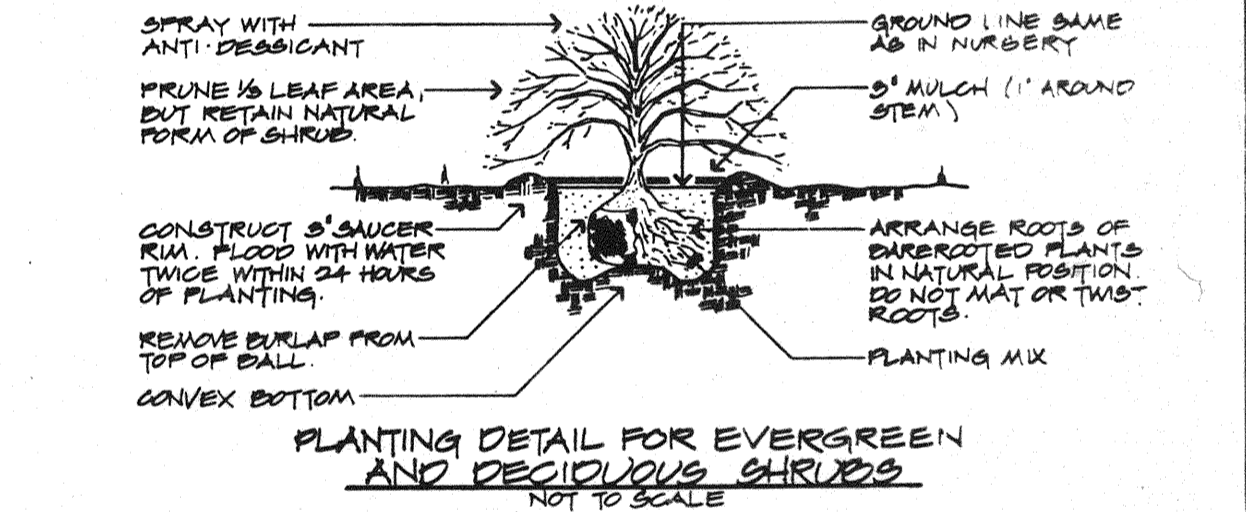
PARKING ADJ. TO ROADWAY - TYPE E (110 LF ÷ 40 & 110 LF ÷ 4)	= 3 DECIDUOUS TREES
	28 SHRUBS
LOADING ADJ. TO ROADWAY - TYPE D (100 LF ÷ 60 & 100 LF ÷ 10)	= 2 DECIDUOUS TREES
	10 EVERGREEN TREES
STRUCTURE SIDE ADJ. TO RD. - TYPE B (240 LF ÷ 50 & 240 LF ÷ 40)	= 5 DECIDUOUS TREES
	6 EVERGREEN TREES
STRUCTURE ADJ. TO PERIMETER PROP. - 104-RESIDENTIAL USE (TYPE A) (650 LF ÷ 60)	= 11 DECIDUOUS TREES
INTERIOR PARKING: 10 PARKING SPACES ÷ 20	= 1 DECIDUOUS TREE
<b>TOTAL PLANTING REQUIRED</b>	<b>= 22 DECIDUOUS TREES</b>
	<b>17 EVERGREEN TREES</b>
	<b>28 SHRUBS</b>
<b>TOTAL PLANTING PROVIDED</b>	<b>= 22 DECIDUOUS TREES</b>
	<b>17 EVERGREEN TREES</b>
	<b>28 SHRUBS</b>



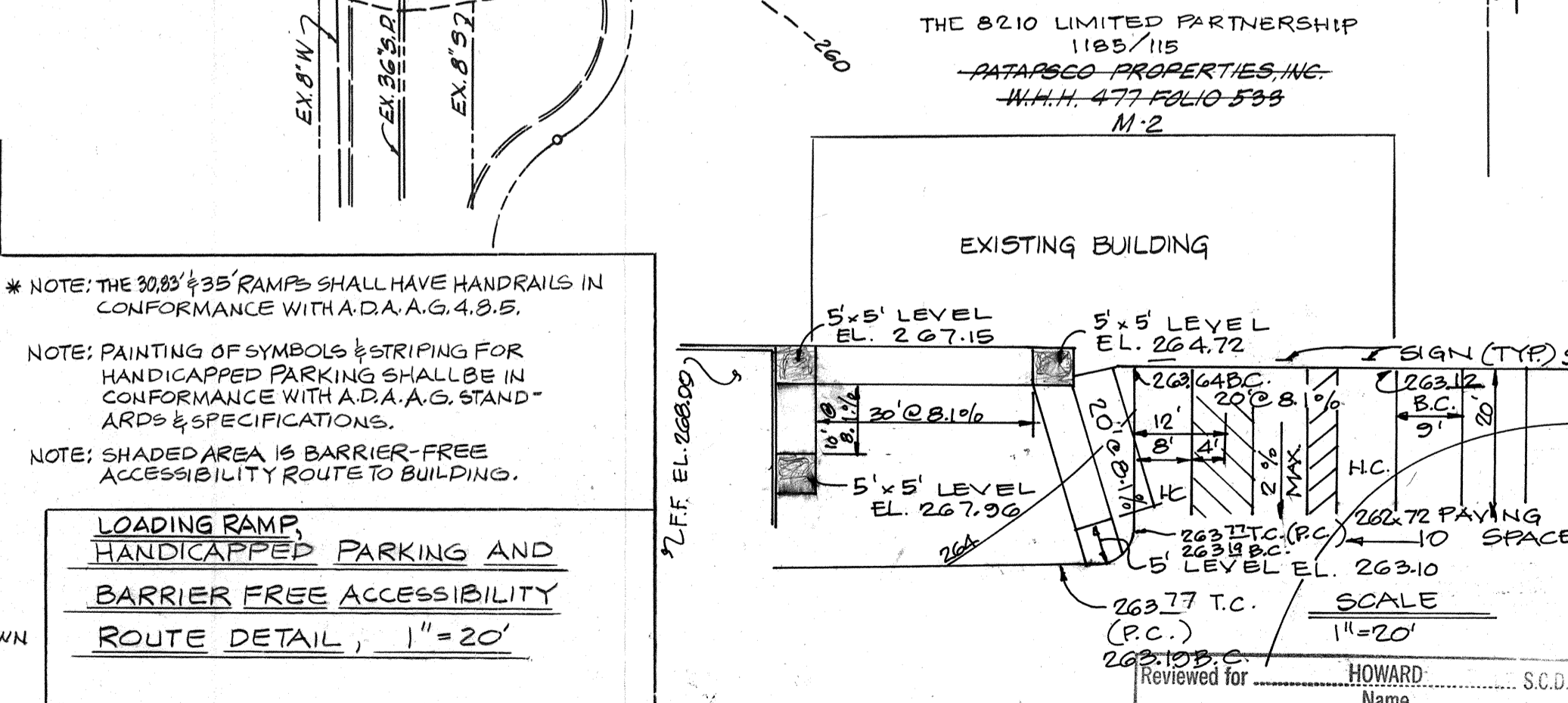
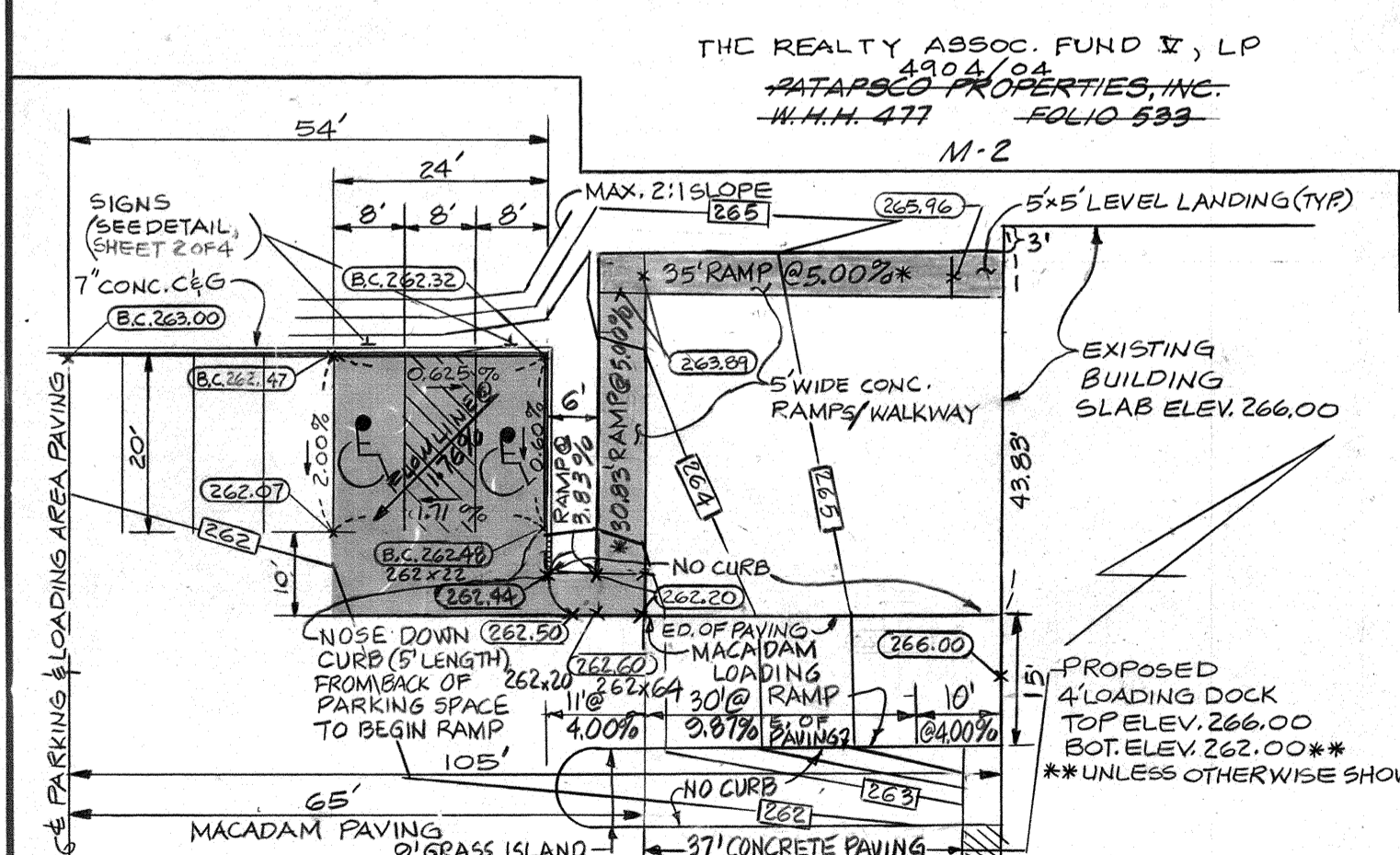
**LOCATION MAP**  
SCALE: 1" = 2000'



**PLANTING DETAIL FOR TREES - 1/4" - 4" CALIPER**  
NOT TO SCALE



**PLANTING DETAIL FOR EVERGREEN AND DECIDUOUS SHRUBS**  
NOT TO SCALE



**OWNER/DEVELOPER**  
SPECTOR FAMILY LLC  
P.O. Box 1008  
3220 WELLMOOR COURT  
SAVAGE, MD 20763  
CONTACT: JIM SCHWAB-SPECTOR  
(410) 255-7868

**PREPARED BY:**  
JUMAN & ROHDE, INC.  
Landscape Architects  
110 E. Pennsylvania Avenue  
Towson, Maryland 21286  
(410) 825-3885

**DATE:** 2-27-95

**ADDRESS CHART**

LOT NO.	STREET ADDRESS	SECT./AREA	ACT./PARCEL NO.
PARCEL 'A' BLOCK 'B'	8220 WELLMOOR COURT		PARCEL 'A' BLOCK 'B'
	8215 WELLMOOR COURT		

**WATER CODE:** B02  
**SEWER CODE:** 4202600

**REVISION**

NO.	REVISION	DATE
1	PER CHANGES IN GRADING & PKG.	9-7-95
2	SEE SHEET 1 OF 4	2/20/96
3	REVISED FUTURE WAREHOUSE TO PROPOSED GENERAL PLAN REVISION.	4/6/04
4	ADDED HANDICAPPED PARKING AND DETAIL THIS SHEET	11/17/04
5	REVISED HANDICAPPED PARKING AREA PER COUNTY COMMENTS. A REVISION LOCATION (REVISED) & 10' F.V.C. SLIDE.	4/13/04

**SITE DEVELOPMENT PLAN**  
PROPOSED LOADING AREA PAVEMENT ONLY PROPOSED BUILDING EXPANSION  
D&H DISTRIBUTING CO.  
8220 WELLMOOR CT.  
HOWARD COLN. TOWNSHIP, MD  
6TH ELECTION DIST.  
DEED REF. L-555-181  
SDP 95-80

**TRADING AS:**  
SPECTOR FAMILY, LLC

SCALE: 1" = 50'  
H.E.C. J.G.N.O. 95008

**ENGINEER'S CERTIFICATE**

"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."

**HICKS ENGINEERING CO., INC.**  
ENGINEERS, SURVEYORS & PLANNERS  
200 EAST JOPPA ROAD - SUITE 402  
TOWSON, MARYLAND 21286

Donald E. Hicks P.E.  
DATE: 12/8/95

**DEVELOPER'S CERTIFICATE**

"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 THE SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT."

**JAYARR ASSOCIATES**  
HARRY SPECTOR 3/31/04  
DATE: 12/13/95

**APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.**

**APPROVED:**  
John P. Robertson  
DISTRICT MANAGER  
HOWARD SOIL CONSERVATION DISTRICT  
DATE: 12/13/95

**APPROVED FOR PLANNING & ZONING**

**APPROVED:**  
Director: [Signature]  
DATE: 2/19/95  
Chief, Development Engineering Division: [Signature]  
DATE: 12/15/95  
Chief, Division of Land Development and Research: [Signature]  
DATE: 2/19/96

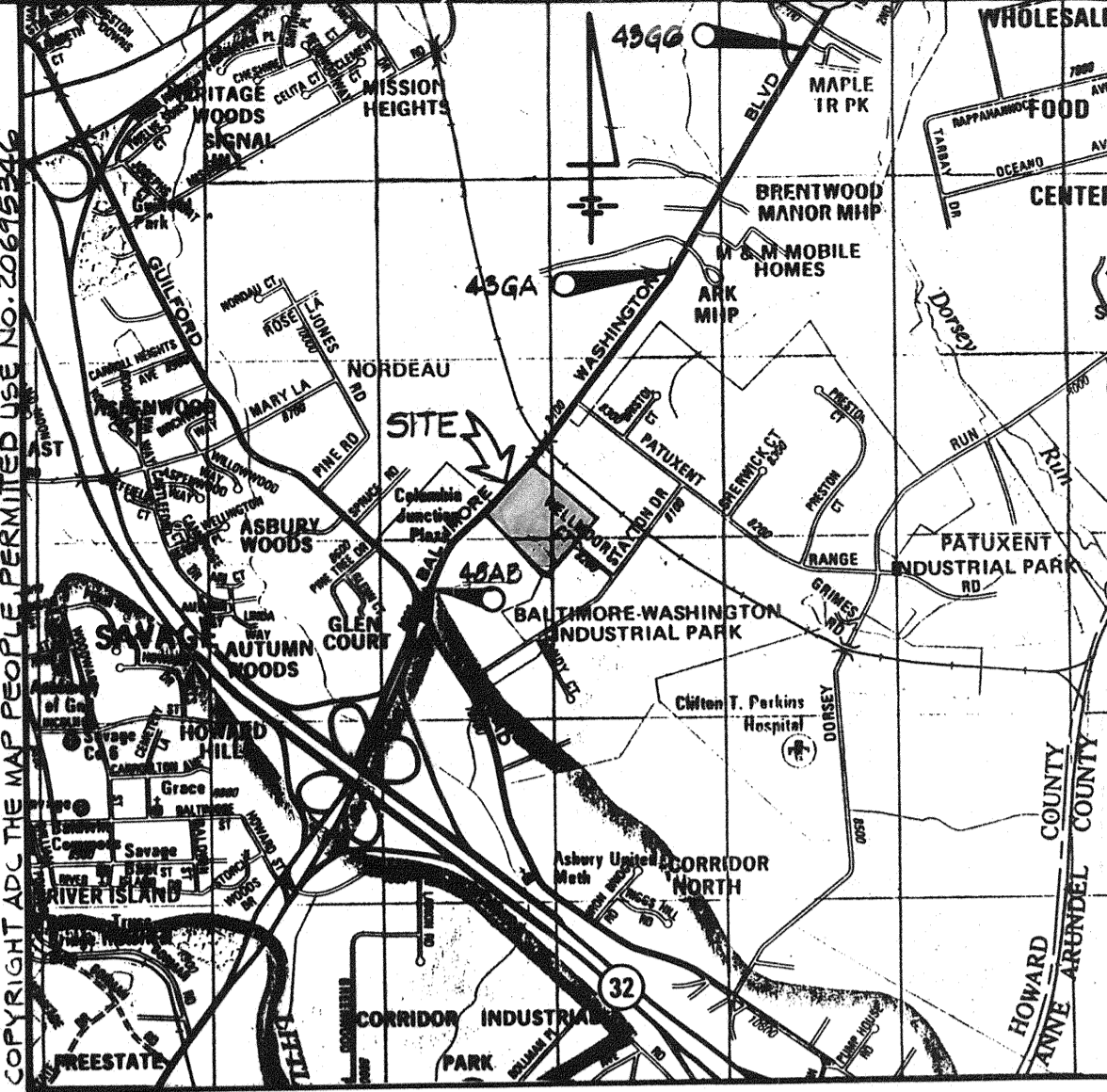
The contractor shall ensure that all roof water from the proposed building ultimately discharge into the existing infiltration basin, either via roof leader or discharge on to the grass swale along the east side of proposed building draining into existing inlet I-4. The drainage divides shown on this plan shall be honored. Roof leaders shall be sized and constructed per Howard County standards.

EXIST. KEY FOR DRAINAGE AREAS

LIMITS FOR PROPOSED CONDITIONS (ALL)	PROF.	SAME AS PROPOSED
LIMITS FOR 'I-1' (FUTURE)	PROF.	BORDER ONLY
AREA FOR 'I-2' (FUTURE)	PROF.	
AREA FOR 'I-3' (FUTURE)	PROF.	
AREA FOR 'I-4' (FUTURE)	PROF.	

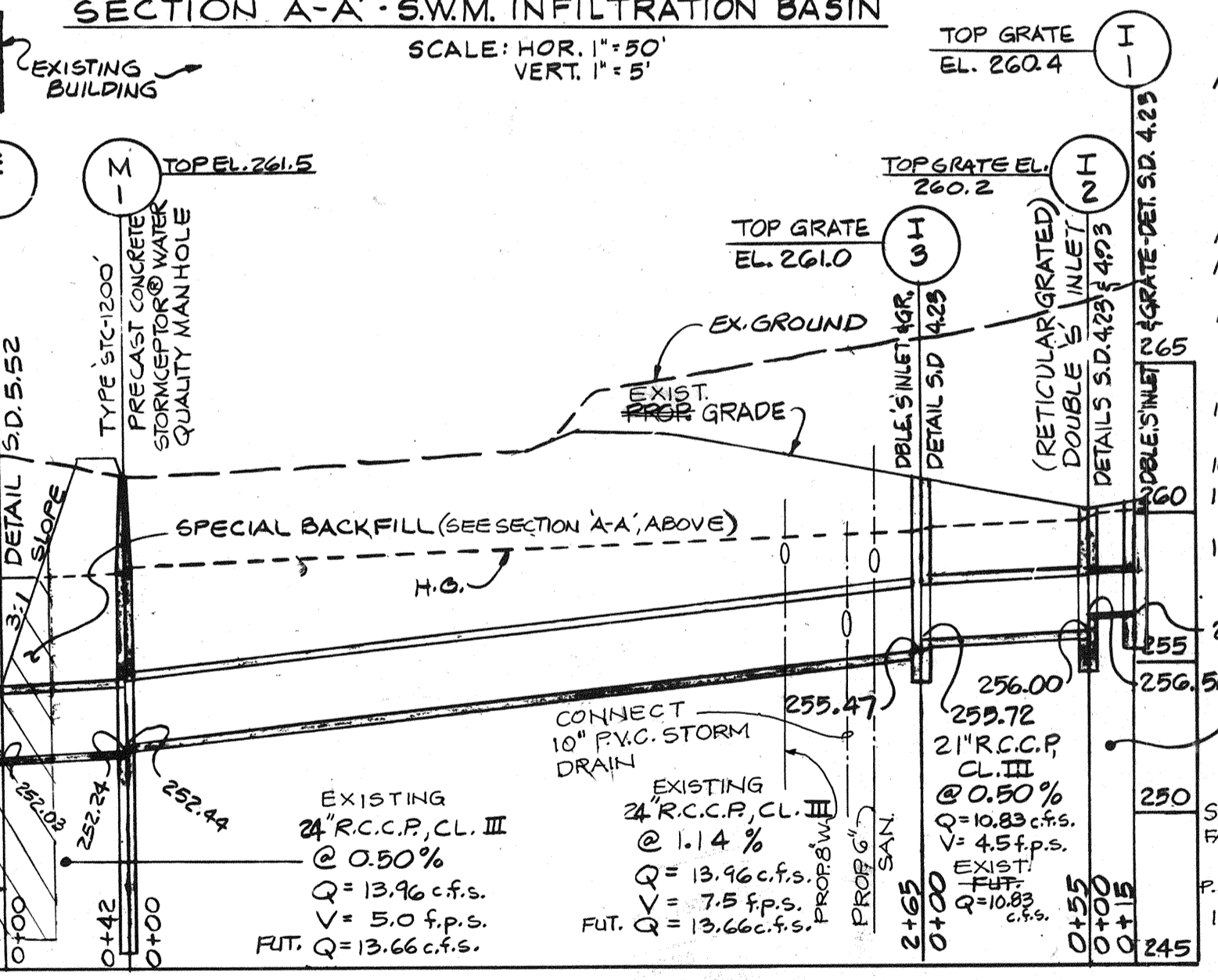
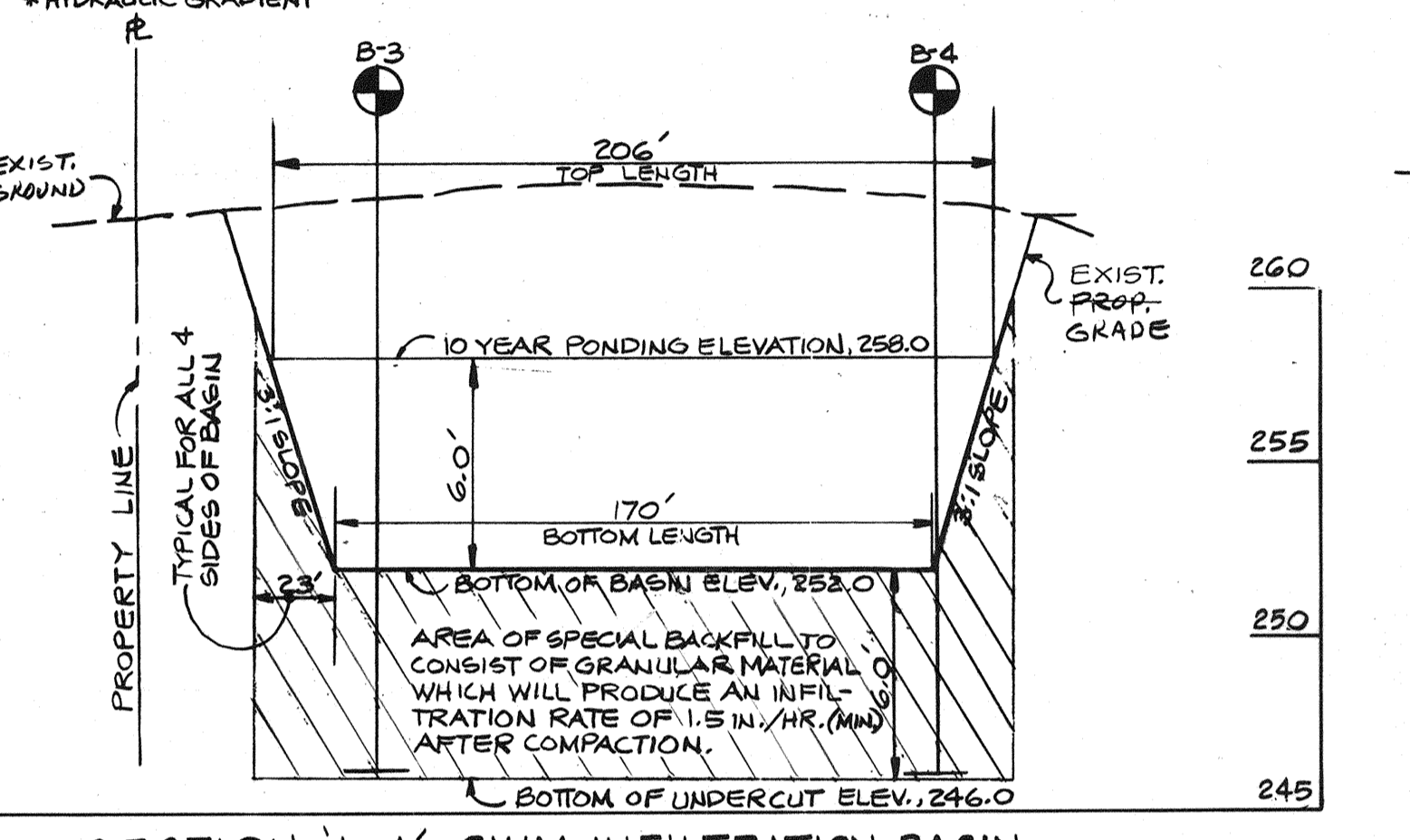
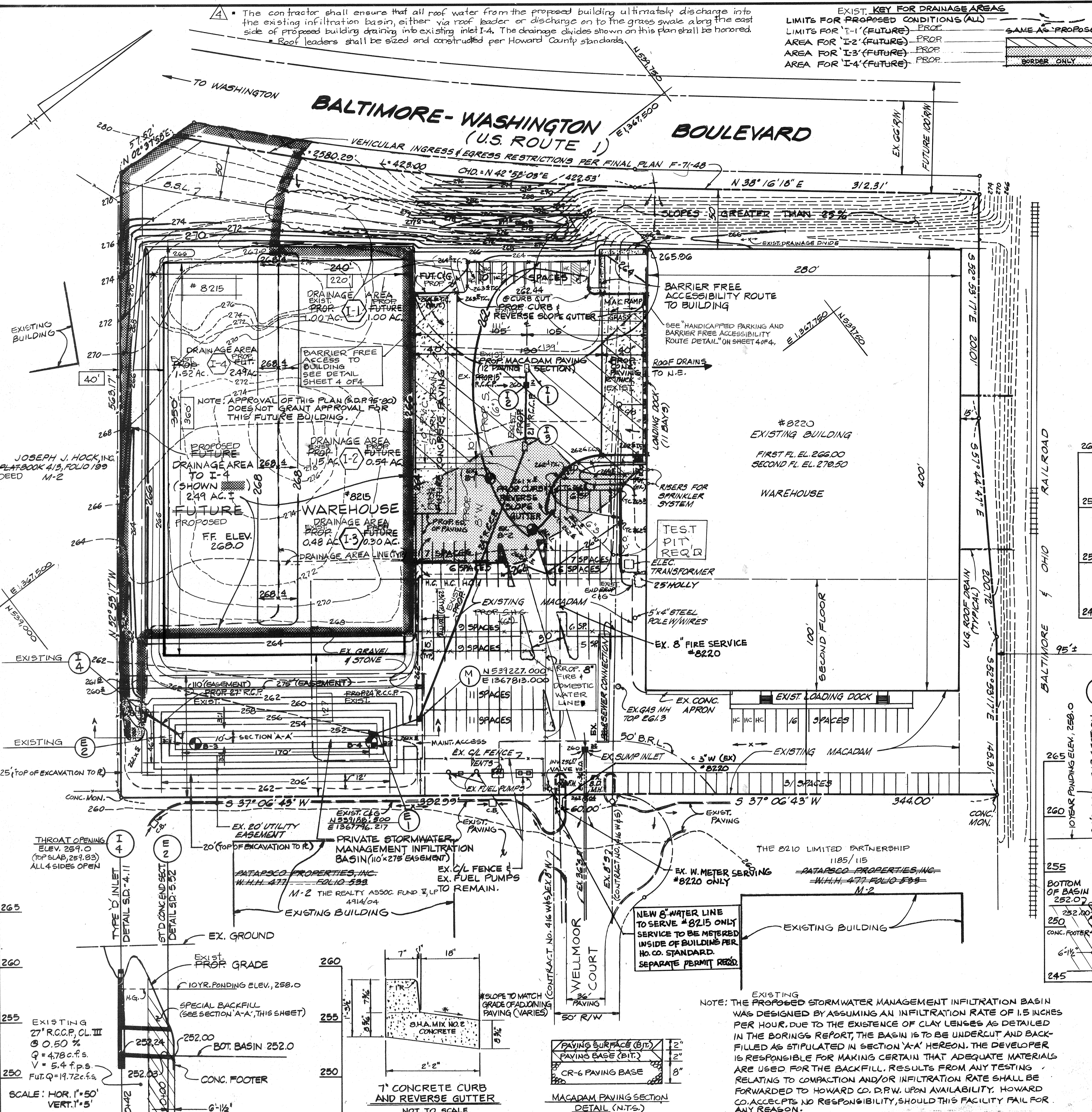
SITE ANALYSIS

1. AREA OF PARCEL	10.15 AC. ± (442,000 S.F. ±)
2. PRESENT ZONING	M-2 WAREHOUSE/DISTRIBUTION (EXISTING)
3. PROPOSED USE OF STRUCTURE	111,000 S.F. (WAREHOUSE) & 1000 S.F. (OFFICE)
4. FLOOR SPACE (EXISTING BUILDING)	8,000 S.F. (OFFICE)
FIRST FLOOR	79,200
SECOND FLOOR	84,600 S.F. ± (WAREHOUSE)
FLOOR SPACE (FUTURE BUILDING)*	NONE ANTICIPATED
FIRST FLOOR	3.3 SPACES PER 1,000 S.F. (OFFICE)
SECOND FLOOR	0.5 SPACES PER 1,000 S.F. (WAREHOUSE)
*ANTICIPATED (SUBJECT TO CHANGE)	86 SPACES (30 OFFICE, 56 WAREHOUSE)
5. PARKING SPACES REQUIRED	42 SPACES (BASED ON ESTIMATED SIZE & USE OF FUTURE BLDG.)
EXISTING (BASED ON EXIST. BUILDING)	128 SPACES (FUT.) ONLY 86 SPACES REQUIRED NOW, 140 SPACES
6. PARKING SPACES PROVIDED	
7. MIN. HANDICAP PARKING REQUIRED	5 SPACES (AS REQUIRED FOR 101 TO 150 TOTAL PARKING)
8. HANDICAP SPACES PROVIDED	5 SPACES (3 EXISTING + 2 ADDITIONAL)



STORM DRAIN COMPUTATIONS (PROPOSED CONDITIONS)

FROM NO.	TO NO.	AREA	C	Q	Q <sub>1</sub>	Q <sub>2</sub>	Q <sub>3</sub>	Q <sub>4</sub>	Q <sub>5</sub>	DES. SLOPE	DIAMETER	VELOCITY	LENGTH	REMARKS
I-1	I-2	1.00	1.00	0.51	0.51	5.0	8.50	4.33	0.48	0.48	15	3.7	15	0.1
I-2	I-3	1.15	1.15	0.48	0.48	5.0	8.50	5.00	0.48	0.48	21	4.3	55	0.2
I-3	I-4	0.48	0.48	0.67	0.32	5.0	8.50	2.72	0.38	0.38	24	4.3	265	0.6
M-1	I-4	2.63	2.63	1.43	1.43	5.0	9.76	13.76	0.38	0.38	24	4.3	42	0.1
I-4	B-2	1.52	1.52	0.32	0.32	5.0	8.50	4.70	0.01	0.01	27	1.2	42	0.1



- GENERAL NOTES:
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY.
  - THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/BUREAU OF CONSTRUCTION INSPECTION AT (410) 792-7272 AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE START OF WORK.
  - THE CONTRACTOR SHALL NOTIFY MISS UTILITY AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK.
  - PROJECT BACKGROUND: LOCATION: 8220 WELLMOOR COURT, TAX MAP 48, PARCEL 140 ZONING: M-2 SITE AREA: 10.15 AC. D.P.W. REFERENCE: S.D.P. 95-80 PRIOR REFERENCE: S.D.P. 95-80 DENIED APPROVAL (2/2/94)
  - TRAFFIC CONTROL DEVICES, MARKINGS AND SIGNS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). ALL STREET AND REGULATORY SIGNS SHALL BE IN PLACE PRIOR TO THE PLACEMENT OF ANY ASPHALT.
  - ALL PLAN DIMENSIONS ARE TO THE FACE OF CURB UNLESS OTHERWISE NOTED.
  - TOPOGRAPHICAL AND OTHER DATA TAKEN FROM A SURVEY DATED AUGUST 20, 1970 BY G.W. STEPHENS ASSOCIATES, INC., TOWSON, MD. TYPE OF STORMWATER MANAGEMENT CONTROL: INFILTRATION BASIN
  - THERE ARE NO WETLANDS ON THIS SITE.
  - STORMWATER MANAGEMENT FACILITY WILL BE PRIVATELY OWNED AND MAINTAINED, AS WILL THE EXISTING STORM DRAIN SYSTEM.
  - THE LOCATION AND ELEVATION OF EXISTING UTILITIES SHOWN HEREON IS BASED ON THE BEST INFORMATION AVAILABLE. THE CONTRACTOR SHALL VERIFY ALL LOCATIONS AND ELEVATIONS TO HIS OWN SATISFACTION PRIOR TO STARTING WORK.
  - SOIL TYPE IS GP (GRAVEL PITS AND QUARRIES), ENTIRE SITE.
  - EXISTING PARKING LOT SOUTHWEST OF EXISTING BUILDING IS TO BE PAVED TO CONFORM TO THE LAYOUT SHOWN HEREON.
  - ALL EXISTING UNPAVED SURFACES ON SITE ARE MEADOW EXCEPT FOR THE SMALL STAND OF TREES AND SHRUBS NEAR U.S. ROUTE 1. ANY TREES OR SHRUBS THAT NEED TO BE REMOVED SHALL BE REPLANTED ON SITE WHERE POSSIBLE.
  - BORINGS B-1 & B-2 ARE EXISTING AND WERE DONE FOR PREVIOUSLY PLANNED INFILTRATION TRENCH AS SHOWN ON PRIOR S.D.P. 93-12.
  - SITE IS 44% IMPERVIOUS (GRAVEL), 52% IMPERVIOUS (CONC.), 73% IMPERVIOUS (FUT.).
  - INFILTRATION BASIN IS DESIGNED TO MANAGE THE 10 YEAR STORM EVENT BASED ON FUTURE (ULTIMATE DEVELOPMENT) CONDITIONS.
  - APPROVED GREASE INTERCEPTOR (G) SHALL BE INSTALLED AS REQUIRED FOR ANY FOOD SERVICE ESTABLISHMENTS THAT MAY OPERATE ON THIS SITE IN THE FUTURE.

OWNER/DEVELOPER  
**JAYARR ASSOCIATES**  
 8220 WELLMOOR COURT  
 SAVAGE, MD 20763  
 CONTACT: JIM SCHWAB  
 (717) 255-7869

SPECTOR FAMILY L.L.C.  
 P.O. BOX 1008  
 HARRY SPECTOR

DATE: 12/8/95

**HICKS ENGINEERING CO., INC.**  
 ENGINEERS, SURVEYORS & PLANNERS  
 200 EAST JOPPA ROAD - SUITE 402  
 TOWSON, MARYLAND 21286

Donald E. Hicks, P.E.  
 DATE: 12/8/95

ENGINEER'S CERTIFICATE

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

DATE: 12/8/95

DEVELOPER'S CERTIFICATE

"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 THE SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT. SPECTOR FAMILY, L.L.C. JAYARR ASSOCIATES"

HARRY SPECTOR 3/21/04  
 JAMES SCHWAB PARTNER 12/8/95

SHEET INDEX:

- 1 OF 4 - SITE DEVELOPMENT PLAN
- 2 OF 4 - SEDIMENT CONTROL PLAN
- 3 OF 4 - SEDIMENT CONTROL DETAILS AND SPECIFICATIONS
- 4 OF 4 - LANDSCAPING PLAN

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

APPROVED: *John R. Blanton* 12/13/95  
 DISTRICT MANAGER  
 HOWARD SOIL CONSERVATION DISTRICT

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

*Richard S. Taylor* 2/2/96  
 DIRECTOR

*John J. Schmitt* 12/15/95  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION

*Chris Swartzmann* 2/19/96  
 CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH

ADDRESS CHART

LOT NO.	STREET ADDRESS
PARCEL A' BLOCK B'	8220 WELLMOOR COURT
	8215 WELLMOOR COURT

REVISION

NO.	REVISION	DATE
1	ADDED DETAIL "HANDICAPPED PARKING..." TO SHEET 4 OF 4, ADDED SIGN DETAIL TO SHEET	
2	2 OF 4, REVISED PLAN SHEET 10 OF 4 PER ABOVE WITH REFERENCES, VIA RED-LINE PROCESS ADDED LOADING RAMP TO PLAN AND THE "HANDICAPPED PARKING" DETAIL ON SHEET 4 OF 4	2/2/96 REC
3	FUTURE WAREHOUSE TO PROPOSED	2/29/96
4	GENERAL PLAN REVISION ADDED HANDICAPPED WBS PARKING, SWM NOTE: B. CONN.	3/31/04 11/7/04

SUBDIVISION NAME: BALTIMORE-WASHINGTON INDUSTRIAL PARK

PLAT NO. OR L/F: 2519

BLOCK NO.: 1

ZONE: M-2

TAX/ZONEMAP/ELECT. DIST. CENSUS TR.: 48 6 200001

WATER CODE: 502

SEWER CODE: 4202600

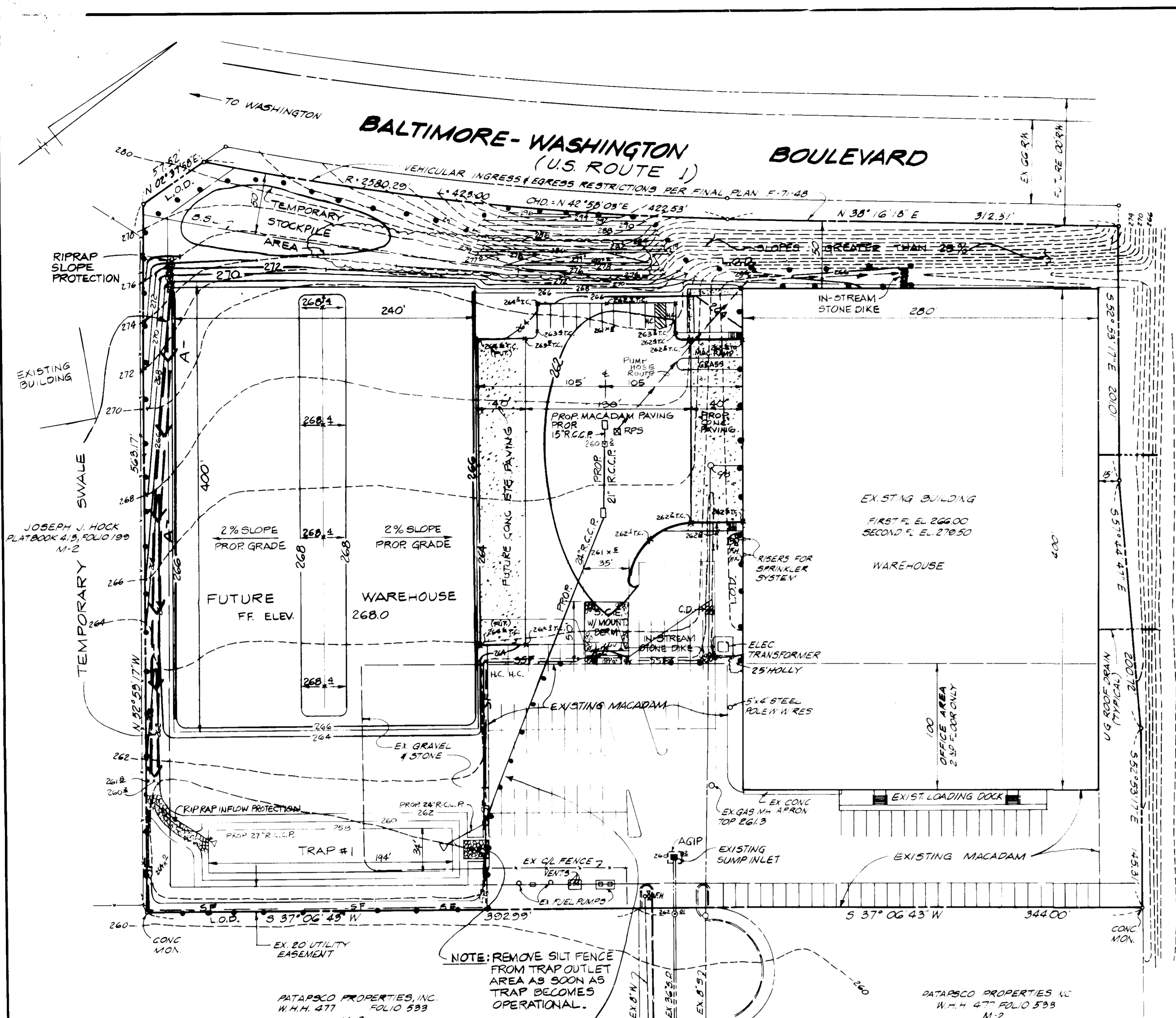
**SITE DEVELOPMENT PLAN**

PROPOSED LOADING AREA PAVEMENT ONLY PROPOSED BUILT OUT EXPANSION

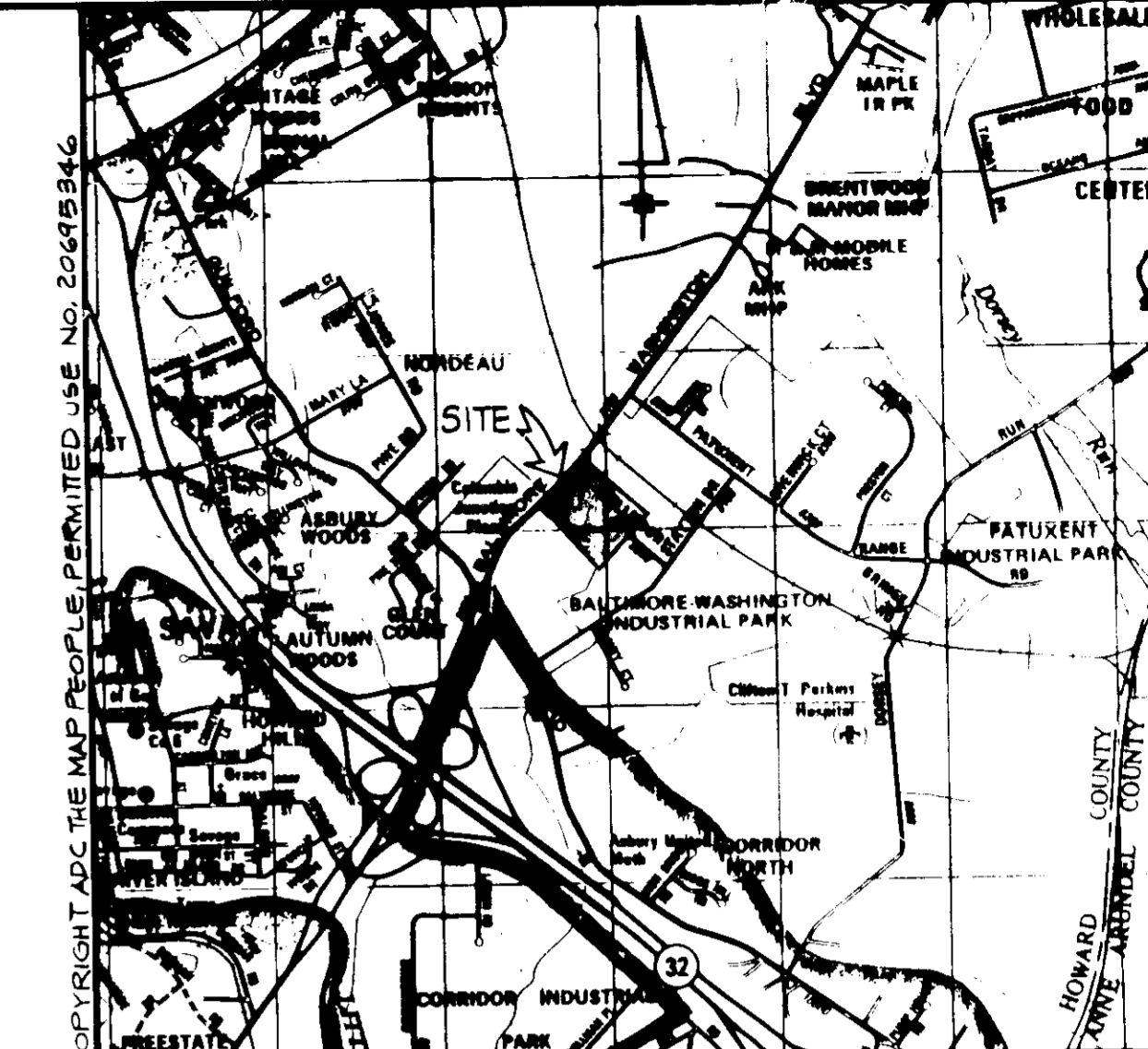
**D & H DISTRIBUTING CO.**  
 8220 WELLMOOR CT.  
 HOWARD COUNTY, MD  
 6TH ELECTION DIST.  
 DEED REF: L-555, F-734  
 L-5264, F-669  
 S.D.P. 95-80

TRADING AS:  
 SPECTOR FAMILY, L.L.C.

DATE: 2/23/05  
 SHEET 1 OF 4



- UTILITY NOTES**
- OPEN ONLY THAT SECTION OF TRENCH THAT CAN BE BACKFILLED AND STABILIZED EACH DAY.
  - PLACE ALL EXCAVATED MATERIAL ON UPHILL SIDE OF TRENCH.
  - ANY SEDIMENT CONTROLS DISTURBED BY UTILITY CONSTRUCTION ARE TO BE REPAIRED IMMEDIATELY.
- 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 VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE 1984 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
  - INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: A) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 1:1; B) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
  - ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 12, OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
  - ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1984 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL. FOR PERMANENT SEEDINGS, SOIL TEMPORARY SEEDING AND MULCHING; TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
  - ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
  - SITE ANALYSIS:**  
 TOTAL AREA OF SITE: 10.15 ACRES  
 AREA DISTURBED: 5.35 ACRES  
 AREA TO BE VEGETATIVELY STABILIZED: 4.05 ACRES  
 TOTAL FILL: 15,000 CU. YDS.  
 TOTAL CUT: 15,000 CU. YDS.
  - OFFSITE WASTE/WORRY AREA ISolation
  - ANY SEDIMENT CONTROL PRACTICES WHICH ARE 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 DEP. 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 NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.
  - NOTE: EXCESS MATERIAL TO BE USED ON SITE (SITE IS BALANCED).

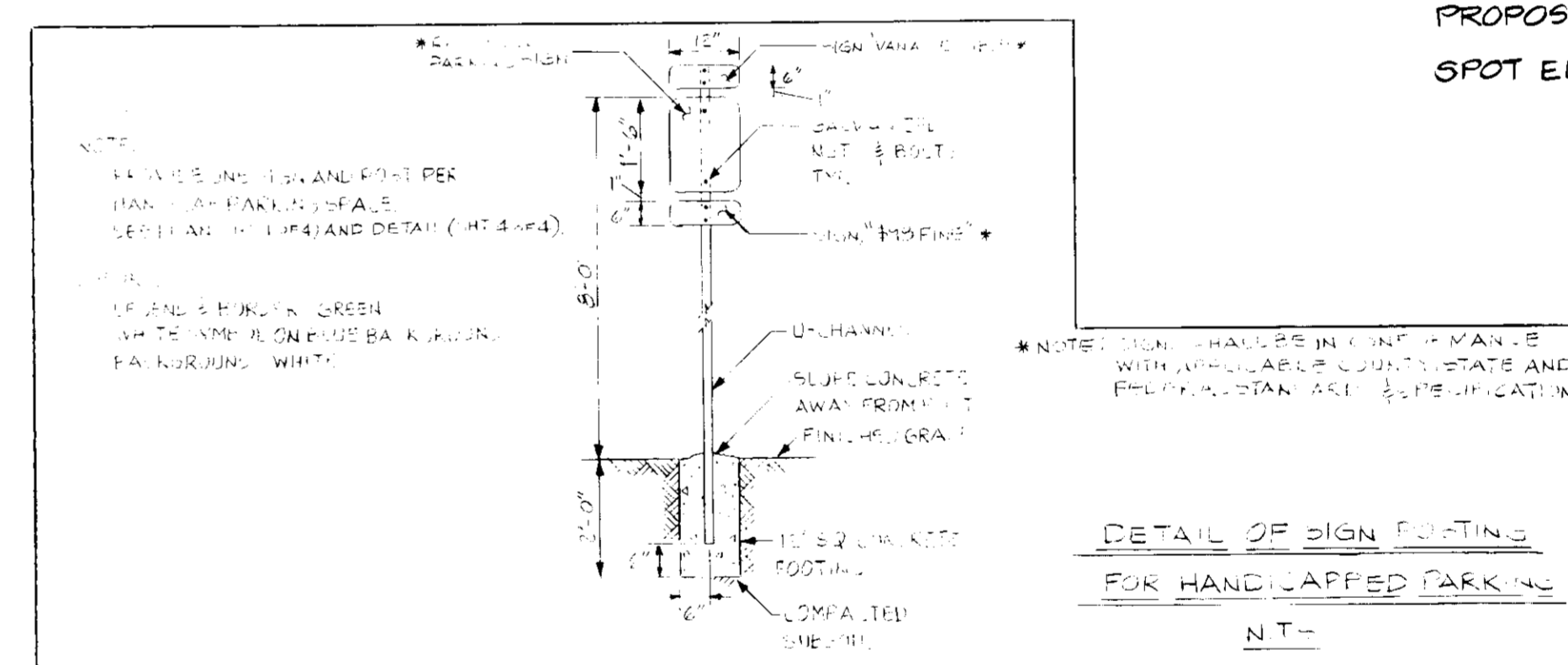


LOCATION MAP  
SCALE: 1" = 200'

**LEGEND**

- STABILIZED CONSTRUCTION ENTRANCE
- SUPER SILT FENCE
- SILT FENCE
- AT GRADE INLET PROTECTION
- STONE CHECK DAM
- IN-STREAM STONE DIKE
- TEMPORARY SWALE
- REMOVABLE PUMPING STATION
- MOUNTABLE BERM
- LIMIT OF DISTURBANCE
- DEWATERING BASIN
- PUMP OUTLET HOSE
- EXISTING CONTOURS
- PROPOSED CONTOURS
- SPOT ELEVATION

- SEQUENCE OF OPERATIONS**
- ACQUIRE GRADING PERMIT.
  - NOTIFY THE HOWARD COUNTY OFFICE OF INSPECTION AND PERMITS 24 HOURS PRIOR TO BEGINNING WORK.
  - INSTALL ALL SEDIMENT CONTROL DEVICES.
  - ROUGH GRADE SITE EXCEPT FOR PROPOSED INFILTRATION BASIN AREA.
  - INSTALL STORM DRAINS FROM "1-1" TO "1-1" ONLY (BLOCK INLET OPENING TO PREVENT ANY WATER OR SEDIMENT FROM ENTERING PIPES).
  - INSTALL PAVING SURFACES AND CURBS AND GUTTERS AS WELL AS WALKWAYS AND LOADING DOCK, AND FINISH GRADE REMAINDER OF SITE.
  - PAVE LOADING AREA AND STABILIZE ALL REMAINING DISTURBED AREAS.
  - UPON APPROVAL OF THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR, CONVERT SEDIMENT TRAP #1 TO STORMWATER MANAGEMENT INFILTRATION BASIN AFTER Dewatering and removal of all sediments.
  - SEE SITE DEVELOPMENT PLAN (SHEETS 13-14) FOR INFILTRATION BASIN FINAL GRADES, DETAILS AND SPECIFICATIONS.
  - INSTALL REMAINDER OF STORM DRAINS FROM "1-1" TO "1-1".
  - STABILIZE INFILTRATION BASIN AND UNBLOCK INLET OPENING.
  - UPON APPROVAL OF THE SEDIMENT CONTROL INSPECTOR, REMOVE ALL REMAINING SEDIMENT CONTROL DEVICES AND IMMEDIATELY STABILIZE ANY DISTURBED AREAS WITH SAND REMOVAL.



**SEDIMENT TRAP DATA**  
TRAP #1 (STONE OUTLET SEDIMENT TRAP-ST-II)

EXISTING DRAINAGE AREA	3.72 ACRES
PROPOSED DRAINAGE AREA	2.3 ACRES
STORAGE REQUIRED	6,946 CU. FT.
STORAGE PROVIDED	16,072 CU. FT.
BOTTOM DIMENSIONS	34' x 194'
BOTTOM ELEVATION	258.0
EMBANKMENT ELEVATION	262.0
SIDE SLOPES	3:1
EXIST. ELEVATION @ OUTLET	261.0
WEIR ELEVATION	261.0
WEIR LENGTH	15.0'
STORAGE DEPTH	2.0'
CLEAN-OUT ELEVATION	259.0

**NOTE:** REMOVE SILT FENCE FROM TRAP OUTLET AREA AS SOON AS TRAP BECOMES OPERATIONAL.

**NOTE:** ANY EXCESS EARTH IS TO BE SPREAD EVENLY ATOP PROPOSED GRADE AT FUTURE WAREHOUSE LOCATION. MAINTAIN 2% SLOPE FROM CREST FOR DRAINAGE.

**NOTE:** FOR INSTALLATION OF STORM DRAIN UNDER EXISTING PAVING, OPEN ONLY THAT LENGTH OF TRENCH THAT CAN BE BACKFILLED AND PATCHED WITHIN THE SAME DAY.

**TOTAL DISTURBED AREA**  
229,500 S.F.  
OR  
5.25 AC.

**HICKS ENGINEERING CO., INC.**  
ENGINEERS, SURVEYORS & PLANNERS  
200 EAST JOPPA ROAD - SUITE 402  
TOWSON, MARYLAND 21286

**ENGINEER'S CERTIFICATE**  
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.

Donald E. Hicks, P.E. 12/13/95

**DEVELOPER'S CERTIFICATE**  
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 THE SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT.

JAYARR ASSOCIATES  
James Schwab, P.E. 12/13/95

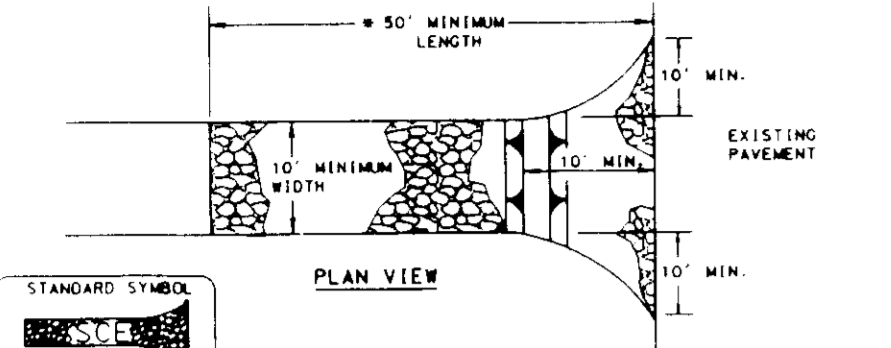
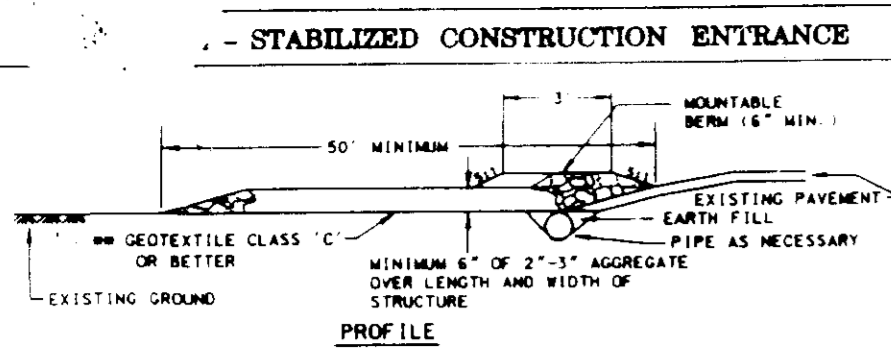
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT

APPROVED: John R. Polston, DISTRICT MANAGER, HOWARD SOIL CONSERVATION DISTRICT, 12/13/95

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

Director: [Signature] 12/15/95  
 Chief, Development Engineering Division: [Signature] 12/15/95  
 Chief, Division of Land Development and Research: [Signature] 12/15/95

ADDRESS CHART		SUBDIVISION NAME		SECT / AREA	LOT / PARCEL NO
LOT NO.	STREET ADDRESS	BALTIMORE-WASHINGTON INDUSTRIAL PARK			PARCEL A BLOCK B
PARCEL A BLOCK B	8220 WELLMOOR COURT	PLAT No OR L/F	BLOCK No	ZONE	TAX / ZONE MAP ELECT DIST CENSUS TR.
		2514	1	M-2	48 6 6260.01
		WATER CODE	SEWER CODE		
		802	4202600		
NO. REVISION DATE			SEDIMENT CONTROL PLAN		
2 SEE SHEET 1 OF 4 2/20/06			PROPOSED LOADING AREA PAVEMENT ONLY		
D & H DISTRIBUTING CO. 8220 WELLMOOR CT. HOWARD COUNTY, MD 6TH ELECTION DIST. DEED REF: L 555, F 731 S.D.P. 95-80					
SCALE: 1" = 50'		H.E.C. NO. 05008		DATE: 2.23.95 SHEET 2 OF 4	



**STABILIZED CONSTRUCTION ENTRANCE**

1. Length - minimum of 50' (30' for single residence lots).

2. Length - 10' minimum shall be placed at the existing road to provide a turning radius.

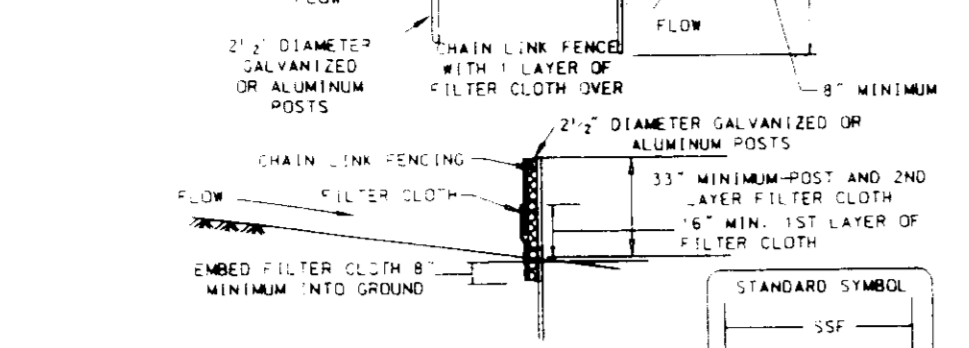
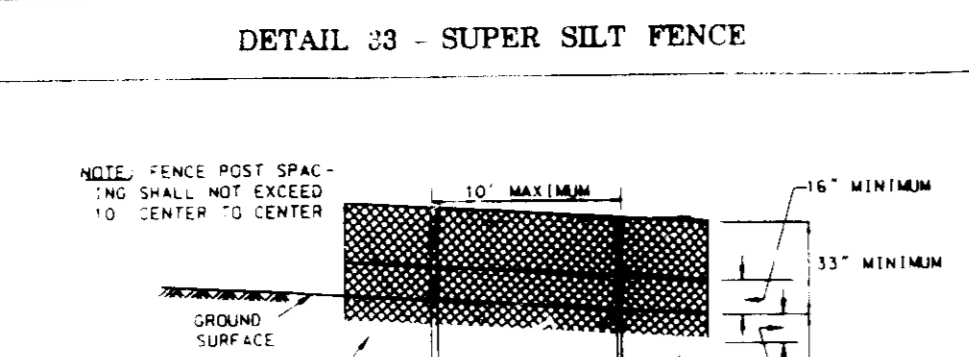
3. Geotextile fabric (filter cloth) shall be placed over the existing ground prior to placing stone. A pre-approved authority may not require single family residences to use geotextile.

4. Stone - crushed aggregate should be at least 1/4" or recycled concrete equivalent shall be placed at least 4" deep over the length and width of the entrance.

5. Surface water - all surface water flowing to or diverted toward construction entrance shall be placed through the entrance. All surface water shall be placed through the entrance. The stabilized construction entrance shall be constructed with a minimum of 18" diameter and a minimum of 18" of stone over the pipe. Pipe shall be placed according to the drainage. When the pipe is located at a high spot and has no drainage to convey a pipe will not be necessary. Pipe should be placed according to the amount of runoff to be conveyed.

6. Location - A stabilized construction entrance shall be located at any point where construction traffic enters or leaves a construction site. Vehicles leaving the site must travel over the entire length of the stabilized construction entrance.

U.S. DEPARTMENT OF AGRICULTURE PAGE: 1  
SOIL CONSERVATION SERVICE WATER MANAGEMENT ADMINISTRATION



**DETAIL 22 - SILT FENCE**

1. Fence posts shall be a minimum of 36" long (over 18" minimum into the ground). Wood posts shall be 1 1/2" x 4" square minimum (over 18" diameter minimum) and shall be of sound quality hardwood. Steel posts shall be standard 2" or 3" diameter galvanized pipe or 3" diameter galvanized pipe.

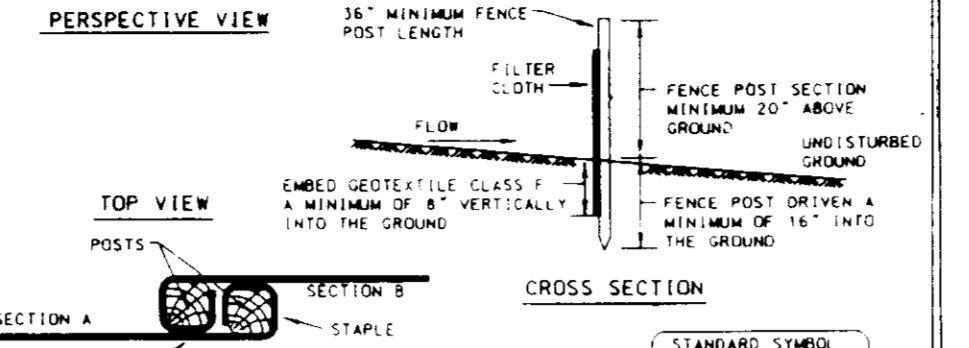
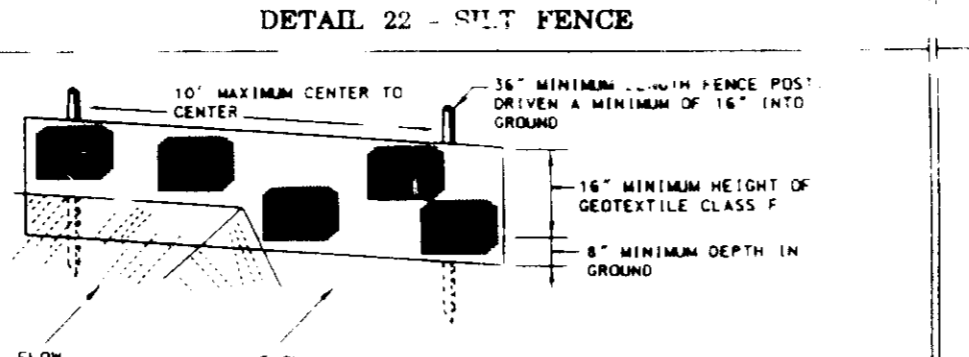
2. Geotextile shall be fastened securely to each fence post with wire ties or staples of top and bottom sections shall meet the following requirements for Geotextile Class F:

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 construction event and maintained when buildup occurs or when sediment accumulation reaches 50% of the fabric's depth.

5. Maintenance shall be performed as needed and silt build-ups removed when "punch" occurs in the silt fence.

U.S. DEPARTMENT OF AGRICULTURE PAGE: 1  
SOIL CONSERVATION SERVICE WATER MANAGEMENT ADMINISTRATION



**DETAIL 20A - REMOVABLE PUMPING STATION**

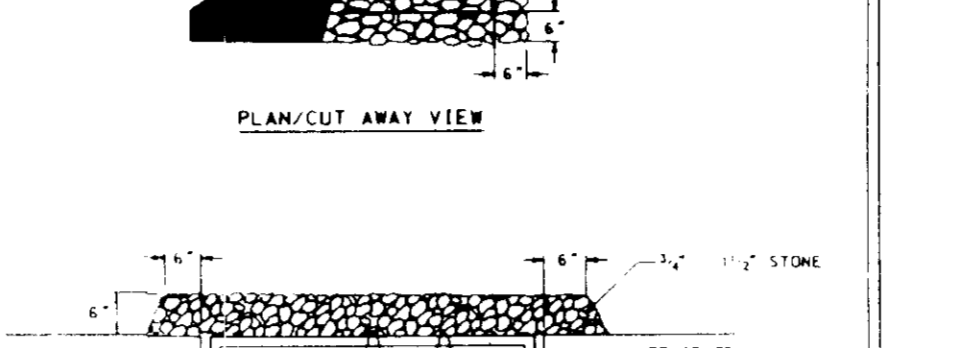
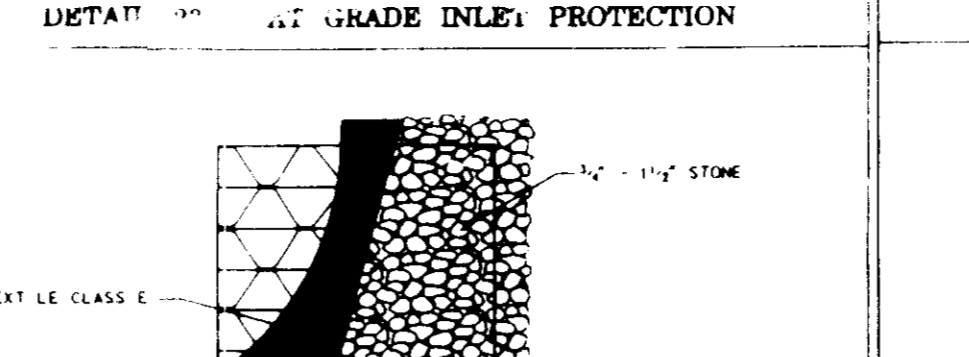
1. The upper pipe should be 48" dia. or above. It shall not be more than 4' above the ground level. The lower pipe should be 36" dia. or above. It shall not be more than 2' above the ground level.

2. After installing the upper pipe, bottom pipe should be covered with 2" aggregate or clean gravel.

3. The lower pipe should be supported by 2" x 2" wood blocks spaced every 2' along its length.

4. The center pipe should extend 12" to 18" above the anticipated water surface elevation or "flood" crest elevation when determining a basin.

U.S. DEPARTMENT OF AGRICULTURE PAGE: 1  
SOIL CONSERVATION SERVICE WATER MANAGEMENT ADMINISTRATION



**DETAIL 7 - STONE CHECK DAM**

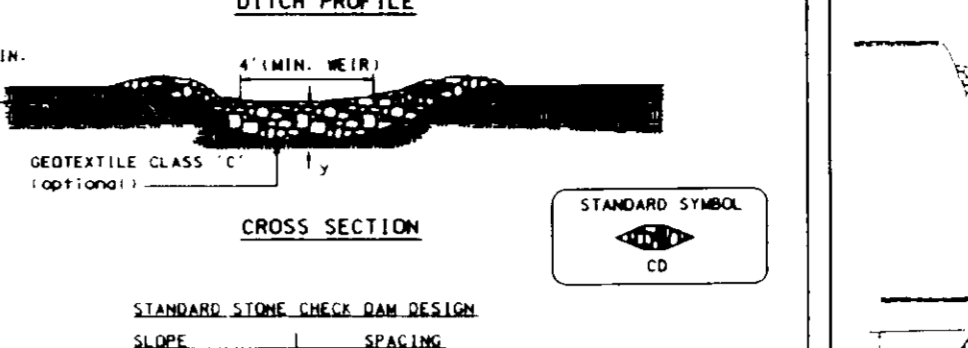
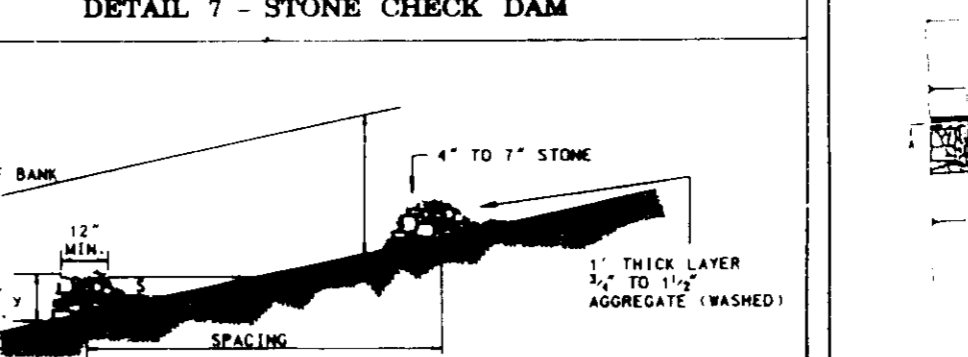
1. Spacing and stone size shall be prepared in accordance with the construction specifications described in Section A.2. Spacing and stone size shall be prepared in accordance with the construction specifications described in Section A.2.

2. The top of the check dam shall be constructed so that the center is approximately 1" higher than the outer edges forming a small water flow across.

3. The maximum height of the check dam on the center shall not exceed 2' of the original grade of the water course.

4. Accumulated sediment shall be removed when it has built up to 1/3 of the original height of the water course.

U.S. DEPARTMENT OF AGRICULTURE PAGE: 1  
SOIL CONSERVATION SERVICE WATER MANAGEMENT ADMINISTRATION



**DETAIL 5 - RIP-RAP INFLOW PROTECTION**

1. Rip-rap lined inflow channels shall be 18" in depth, have a trapezoidal cross-section with 2:1 or flatter slope and 3' (min.) bottom width. The channel shall be lined with 4" to 12" rip-rap to a depth of 18".

2. Filter cloth shall be installed under all rip-rap. Filter cloth shall be Geotextile Class C.

3. Entrance and exit sections shall be installed as shown on the detail section.

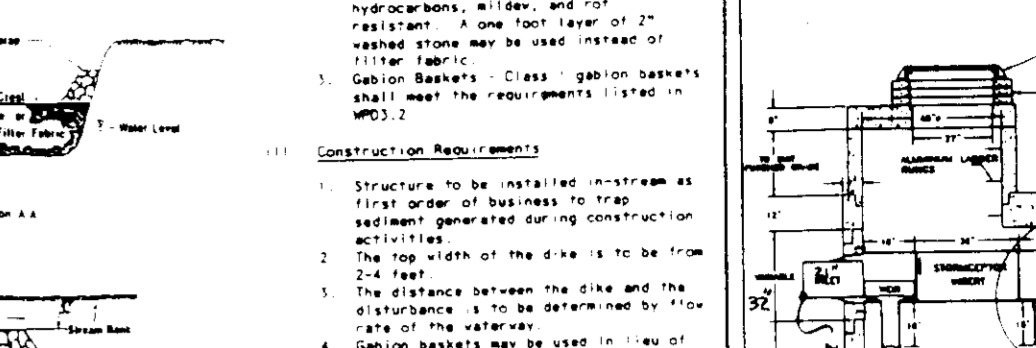
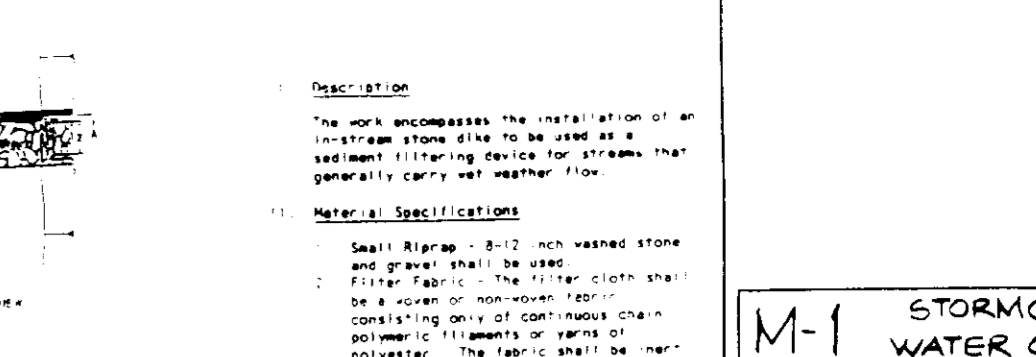
4. Rip-rap used for the lining may be recycled for permanent outlet protection if the basin is to be converted to a stormwater management facility.

5. Catch inflow protection may be used in lieu of Rip-rap inflow protection.

6. Rip-rap should blend into existing ground.

7. Rip-rap inflow protection shall be used where the slope is between 4:1 and 10:1, for slopes flatter than 10:1 use Earth Dike or Temporary Swale lining options.

U.S. DEPARTMENT OF AGRICULTURE PAGE: 1  
SOIL CONSERVATION SERVICE WATER MANAGEMENT ADMINISTRATION



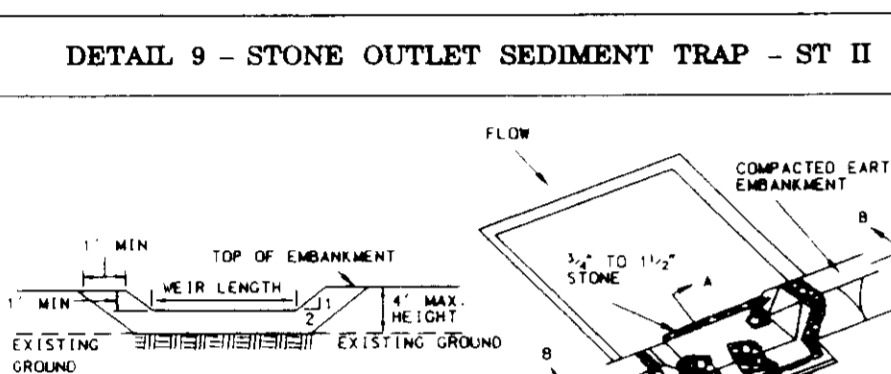
**DETAIL 1 - STORMCEPTOR WATER QUALITY MANHOLE**

1. The Stormceptor shall be installed in accordance with the manufacturer's instructions. The Stormceptor shall be installed in a location where it will not be subject to heavy traffic or other damage.

2. The Stormceptor shall be installed in a location where it will not be subject to heavy traffic or other damage.

3. The Stormceptor shall be installed in a location where it will not be subject to heavy traffic or other damage.

U.S. DEPARTMENT OF AGRICULTURE PAGE: 1  
SOIL CONSERVATION SERVICE WATER MANAGEMENT ADMINISTRATION



**DETAIL 9 - STONE OUTLET SEDIMENT TRAP - ST II**

1. Area under apron shall be cleared, graded and stripped of any vegetation and rock left. The apron shall be cleared.

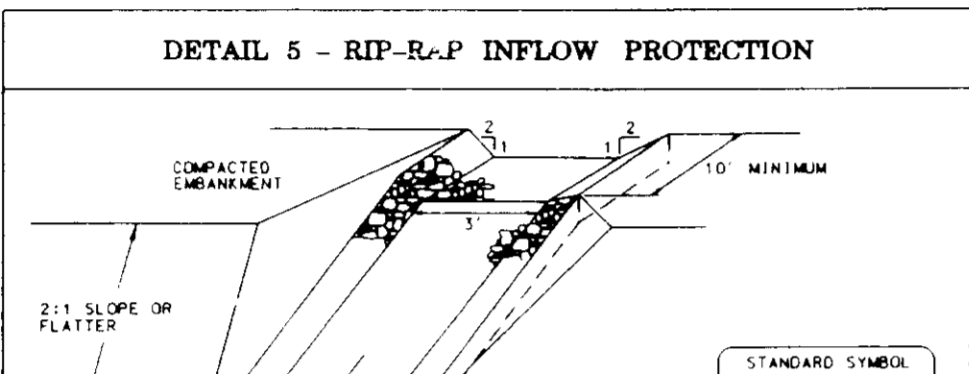
2. The fill material for the apron shall be free of roots and other woody vegetation as well as over-size stones, rocks, organic material or other objectionable material. The apron shall be compacted by troweling with equipment while it is being constructed.

3. All cut and fill slopes shall be 2:1 or flatter.

4. The stone used in the outlet shall be small (rip-rap 4" to 12" in size with 2" thick layer of 3/4" to 1 1/2" washed aggregate placed on the upstream face of the outlet. Stone facing shall be necessary to prevent clogging. Geotextile Class C may be substituted for the stone facing by placing it on the inside face of the stone outlet.

5. Sediment shall be removed and returned to its original dimensions when the apron has accumulated to one half of the wet storage depth of the trap. Removed sediment shall be deposited in a suitable area and in such a manner that it will not erode.

U.S. DEPARTMENT OF AGRICULTURE PAGE: 1  
SOIL CONSERVATION SERVICE WATER MANAGEMENT ADMINISTRATION



**DETAIL 2 - TEMPORARY SWALE**

1. All temporary swales shall have an ungraveled positive grade to an outlet. Spot elevations may be necessary for grades less than 1%.

2. Runoff diverted from a disturbed area shall be conveyed to a sediment trapping device.

3. Runoff diverted from an undisturbed area shall outlet directly into an undisturbed stabilized area of a non-erodible velocity.

4. All trees, brush, shrubs, obstructions, and other objectionable material shall be removed and disposed of so as not to interfere with the proper functioning of the swale.

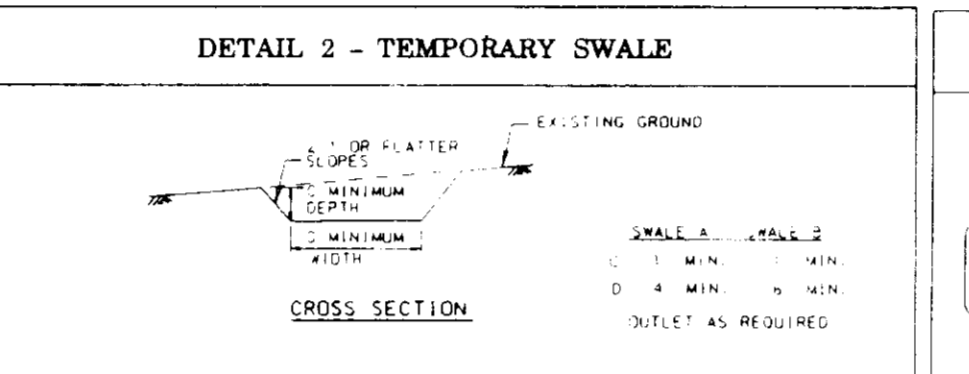
5. The swale shall be excavated or shaped to suit, grade and cross-section as required to meet the criteria specified herein and be free of bare projections or other irregularities which would retard flow of clean gravel.

6. Filter cloth necessary shall be covered by 2" of clean gravel.

7. All swales necessary and not needed for construction shall be placed so that they will not interfere with the function of the swale.

8. Inspection and maintenance must be provided periodically and other each rain event.

U.S. DEPARTMENT OF AGRICULTURE PAGE: 1  
SOIL CONSERVATION SERVICE WATER MANAGEMENT ADMINISTRATION



**DETAIL 20B - RIP-RAP INFLOW PROTECTION**

1. Rip-rap lined inflow channels shall be 18" in depth, have a trapezoidal cross-section with 2:1 or flatter slope and 3' (min.) bottom width. The channel shall be lined with 4" to 12" rip-rap to a depth of 18".

2. Filter cloth shall be installed under all rip-rap. Filter cloth shall be Geotextile Class C.

3. Entrance and exit sections shall be installed as shown on the detail section.

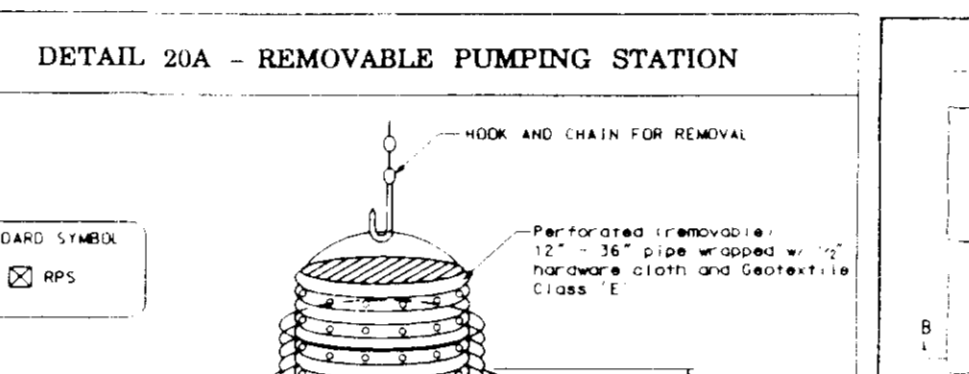
4. Rip-rap used for the lining may be recycled for permanent outlet protection if the basin is to be converted to a stormwater management facility.

5. Catch inflow protection may be used in lieu of Rip-rap inflow protection.

6. Rip-rap should blend into existing ground.

7. Rip-rap inflow protection shall be used where the slope is between 4:1 and 10:1, for slopes flatter than 10:1 use Earth Dike or Temporary Swale lining options.

U.S. DEPARTMENT OF AGRICULTURE PAGE: 1  
SOIL CONSERVATION SERVICE WATER MANAGEMENT ADMINISTRATION



**DETAIL 20A - REMOVABLE PUMPING STATION**

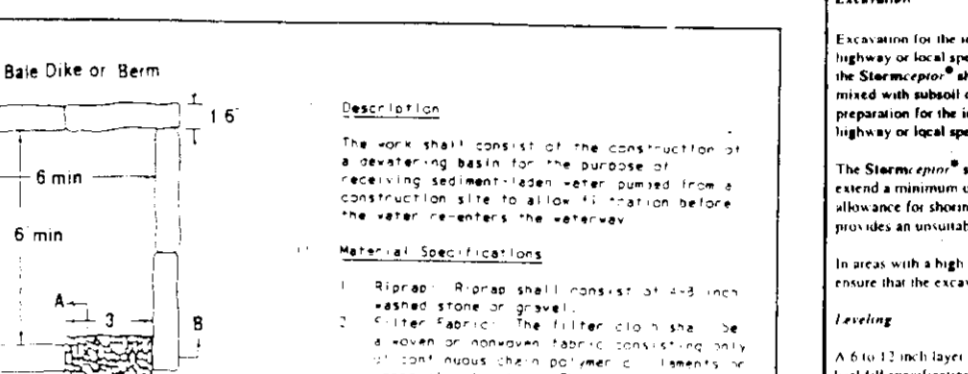
1. The upper pipe should be 48" dia. or above. It shall not be more than 4' above the ground level. The lower pipe should be 36" dia. or above. It shall not be more than 2' above the ground level.

2. After installing the upper pipe, bottom pipe should be covered with 2" aggregate or clean gravel.

3. The lower pipe should be supported by 2" x 2" wood blocks spaced every 2' along its length.

4. The center pipe should extend 12" to 18" above the anticipated water surface elevation or "flood" crest elevation when determining a basin.

U.S. DEPARTMENT OF AGRICULTURE PAGE: 1  
SOIL CONSERVATION SERVICE WATER MANAGEMENT ADMINISTRATION



**DETAIL 7 - STONE CHECK DAM**

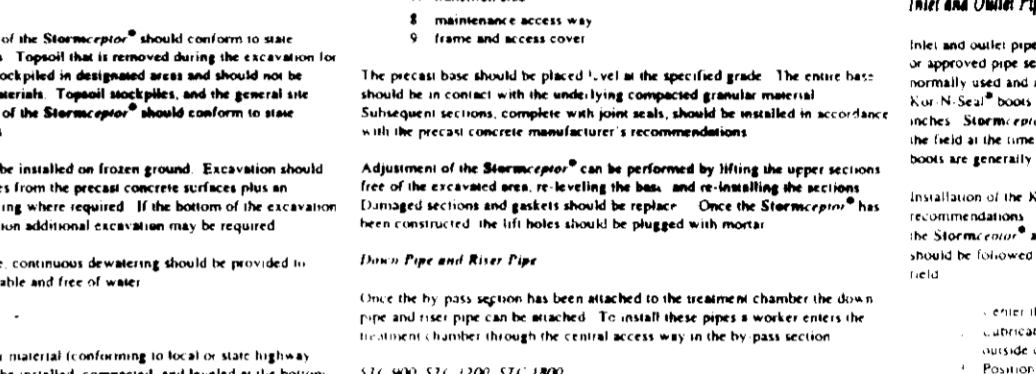
1. Spacing and stone size shall be prepared in accordance with the construction specifications described in Section A.2. Spacing and stone size shall be prepared in accordance with the construction specifications described in Section A.2.

2. The top of the check dam shall be constructed so that the center is approximately 1" higher than the outer edges forming a small water flow across.

3. The maximum height of the check dam on the center shall not exceed 2' of the original grade of the water course.

4. Accumulated sediment shall be removed when it has built up to 1/3 of the original height of the water course.

U.S. DEPARTMENT OF AGRICULTURE PAGE: 1  
SOIL CONSERVATION SERVICE WATER MANAGEMENT ADMINISTRATION



**DETAIL 5 - RIP-RAP INFLOW PROTECTION**

1. Rip-rap lined inflow channels shall be 18" in depth, have a trapezoidal cross-section with 2:1 or flatter slope and 3' (min.) bottom width. The channel shall be lined with 4" to 12" rip-rap to a depth of 18".

2. Filter cloth shall be installed under all rip-rap. Filter cloth shall be Geotextile Class C.

3. Entrance and exit sections shall be installed as shown on the detail section.

4. Rip-rap used for the lining may be recycled for permanent outlet protection if the basin is to be converted to a stormwater management facility.

5. Catch inflow protection may be used in lieu of Rip-rap inflow protection.

6. Rip-rap should blend into existing ground.

7. Rip-rap inflow protection shall be used where the slope is between 4:1 and 10:1, for slopes flatter than 10:1 use Earth Dike or Temporary Swale lining options.

U.S. DEPARTMENT OF AGRICULTURE PAGE: 1  
SOIL CONSERVATION SERVICE WATER MANAGEMENT ADMINISTRATION

NO.	DESCRIPTION	PERIOD	SEEDING RATE	AREA	TOTAL SEED	COMMENTS
1	PERMANENT SEEDING	MAY 15 - SEP 30	1.5	100	150	100% WET
2	TEMPORARY SEEDING	MAY 15 - SEP 30	1.5	100	150	100% WET
3	PERMANENT SEEDING	OCT 1 - APR 15	1.5	100	150	100% WET
4	TEMPORARY SEEDING	OCT 1 - APR 15	1.5	100	150	100% WET

NO.	DESCRIPTION	PERIOD	SEEDING RATE	AREA	TOTAL SEED	COMMENTS
I-1	T-1	1.00	0.51	0.51	0.51	3.5
I-2	T-2	0.84	0.84	0.84	0.84	4.3
I-3	T-3	0.30	0.30	0.30	0.30	4.3
I-4	T-4	2.49	2.49	2.49	2.49	4.2

**HICKS ENGINEERING CO., INC.**  
ENGINEERS, SURVEYORS & PLANNERS  
200 EAST JOPPA ROAD - SUITE 402  
TOWSON, MARYLAND 21286

**ENGINEER'S CERTIFICATE**  
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.

*Donald E. Hicks, P.E.* 12/8/95  
DONALD E. HICKS, P.E. DATE

**DEVELOPER'S CERTIFICATE**  
I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF THE SEDIMENT AND EROSION ON SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT.

*James Schwab, P.E.* 12/8/95  
JAMES SCHWAB, P.E. DATE

**APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING**

*John R. Polenton, Jr.* 12/13/95  
DISTRICT MANAGER DATE

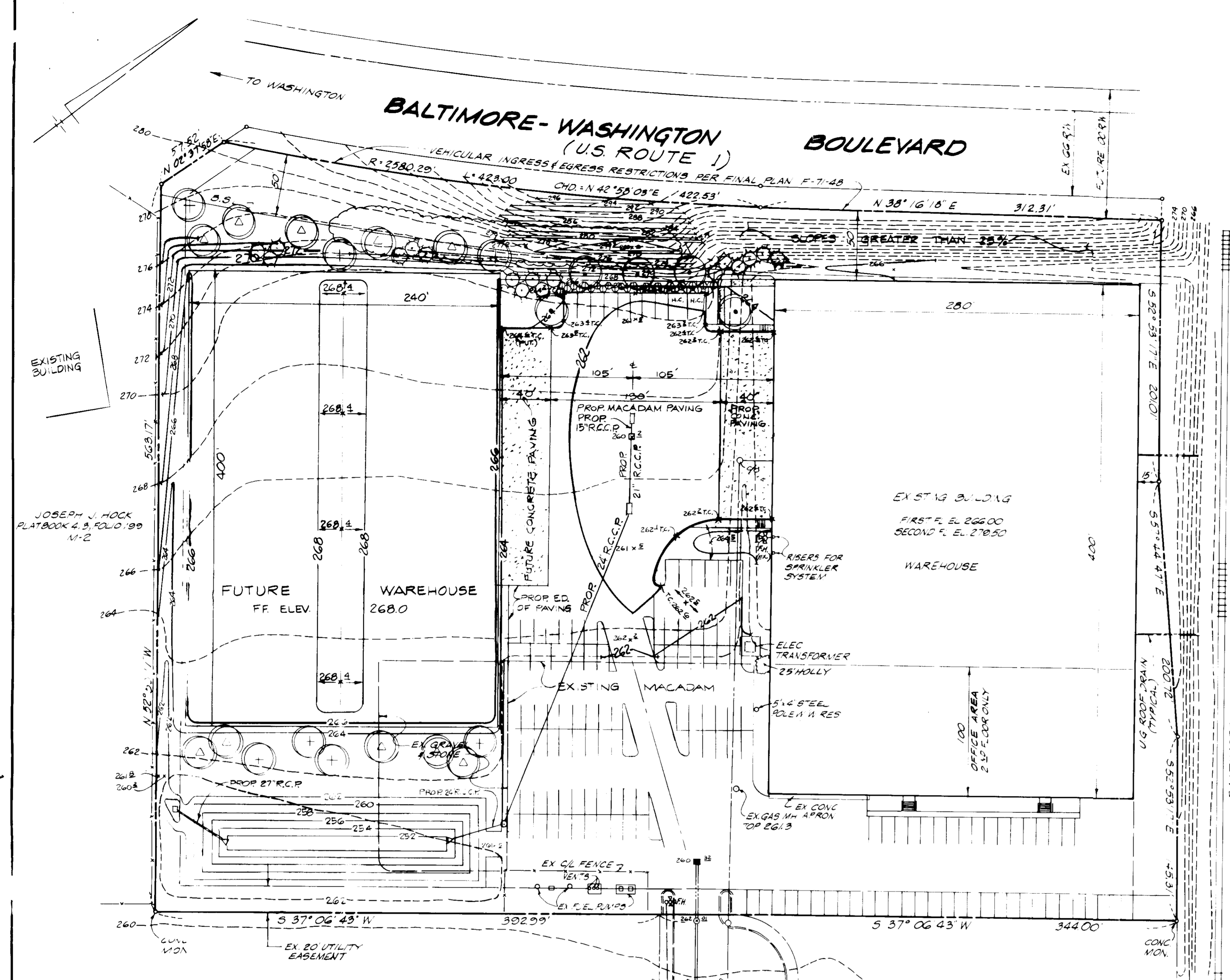
**ADDRESS CHART**  
LOT NO. 8220 WELLMOOR COURT  
PARCEL A, BLOCK B

**SECTIONS AREA**  
SUBDIVISION: BALTIMORE-WASHINGTON INDUSTRIAL PARK  
SECTION: 48  
LOT/PARCEL NO.: 4800020

**REVISION**  
NO. 1  
REVISION DATE: 12/13/95

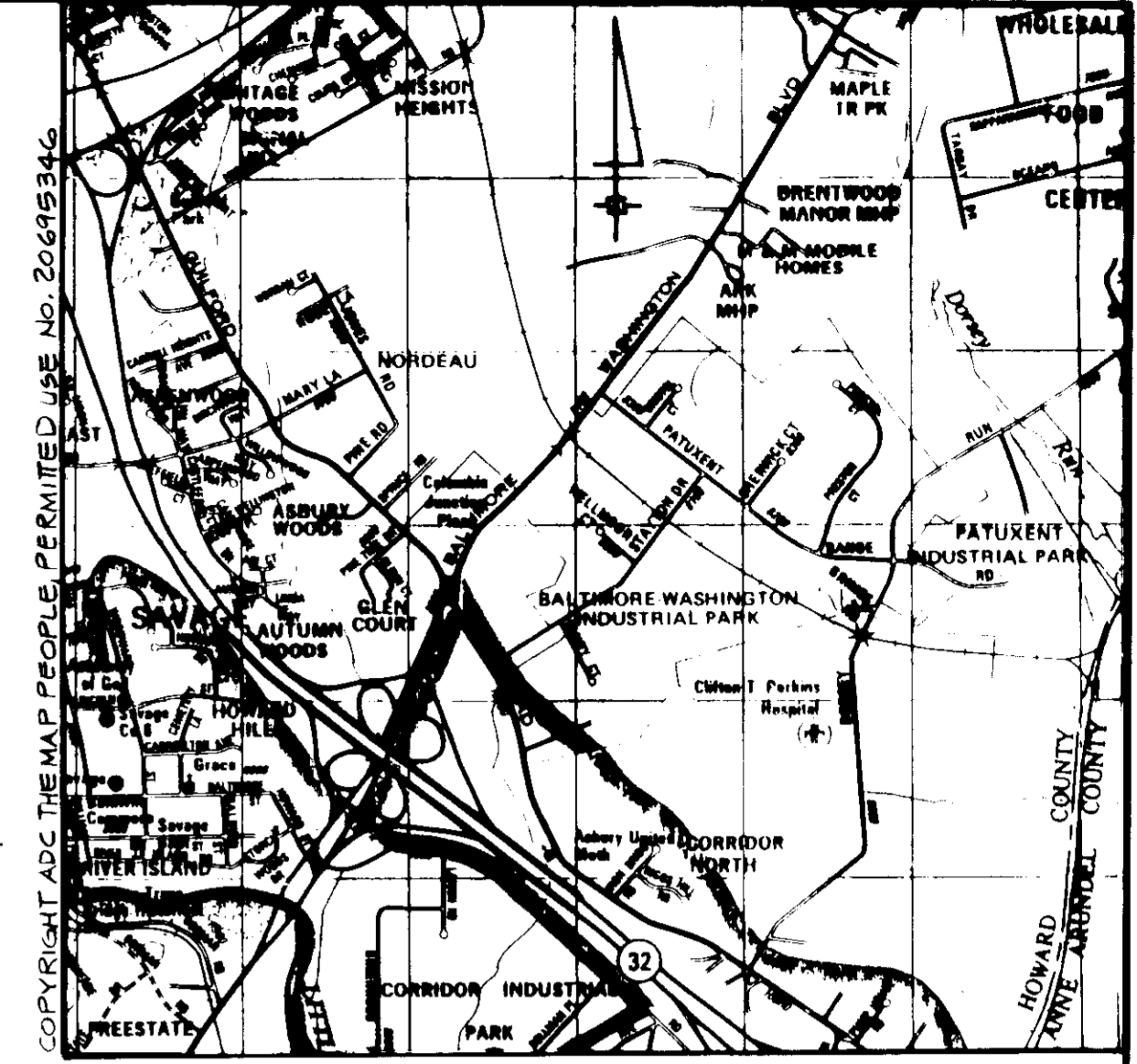
**SEDIMENT CONTROL DETAILS & SPECS.**  
PROPOSED LOADING AREA PAVEMENT ONLY  
D&H DISTRIBUTING CO  
8220 WELLMOOR CT.  
HOWARD COUNTY, MD  
6TH ELECTION DIST.  
DEED REF: L 555, F 721  
S.D.P. 95-80

H.E.C. I.D. NO. 05008  
DATE: 2/23/95  
SHEET 3 OF 4



**SITE ANALYSIS**

- AREA OF PARCEL: 10.15 AC. ± (442,000 S.F. ±)
- PRESENT ZONING: M-2
- PROPOSED USE OF STRUCTURE: WAREHOUSE/DISTRIBUTION (EXISTING)
- FLOOR SPACE (EXISTING BUILDING): 111,000 S.F. (WAREHOUSE) & 1,000 S.F. (OFFICE)
- FLOOR SPACE (FUTURE BUILDING)\*: 84,000 S.F. ± (WAREHOUSE)
- \*ANTICIPATED (SUBJECT TO CHANGE): NONE ANTICIPATED
- PARKING SPACES REQUIRED: 0.5 SPACES PER 1,000 SF (OFFICE), 33/1,000 (WAREHOUSE)
- PARKING SPACES PROVIDED: 86 SPACES (30 OFFICE, 56 WAREHOUSE)
- MIN. HANDICAP PARKING REQUIRED: 5 SPACES (AS REQUIRED FOR 101 TO 150 TOTAL PARKING)
- HANDICAP SPACES PROVIDED: 5 SPACES

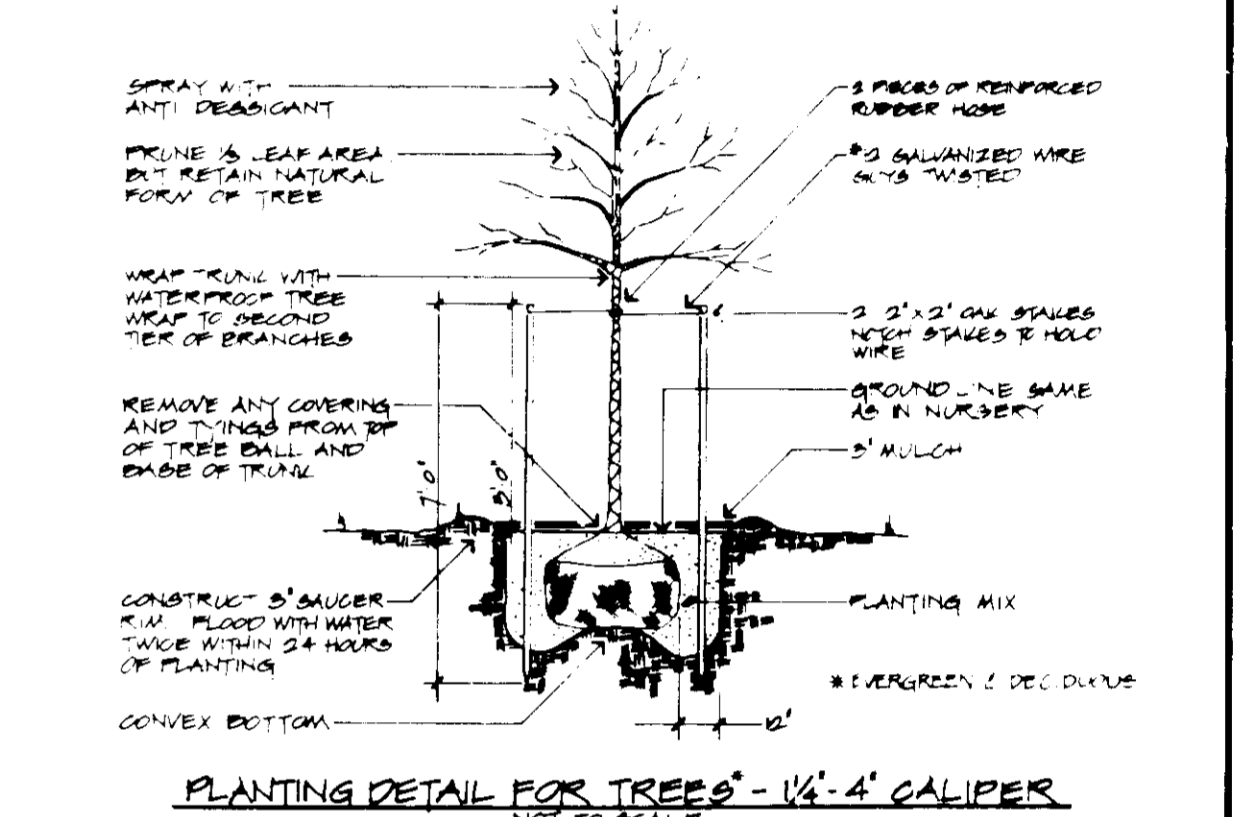


LOCATION MAP  
SCALE: 1" = 200'

**PLANT LIST**

KEY	QTY	BOTANICAL NAME COMMON NAME	SIZE	COND	REMARKS
+	7	FRAXINUS PENN' PATMORE' PATMORE ASH	2 1/2-3' CAL.	BEB	
⊙	10	QUERCUS PALUSTRIS PIN OAK	2 1/2-3' CAL.	BEB	
○	5	ZELKOVA SEKRATA GR VASE' GREEN VASE ZELKOVA	2 1/2-3' CAL.	DEB	
○	1	PINUS STROBUS WHITE PINE	6-8 HT.	BEB	
○	28	EUONYMUS PATEUS PAULII' EVERGREEN EUONYMUS	14-30' HT.		SPACE 4' O.C. TAGGERED

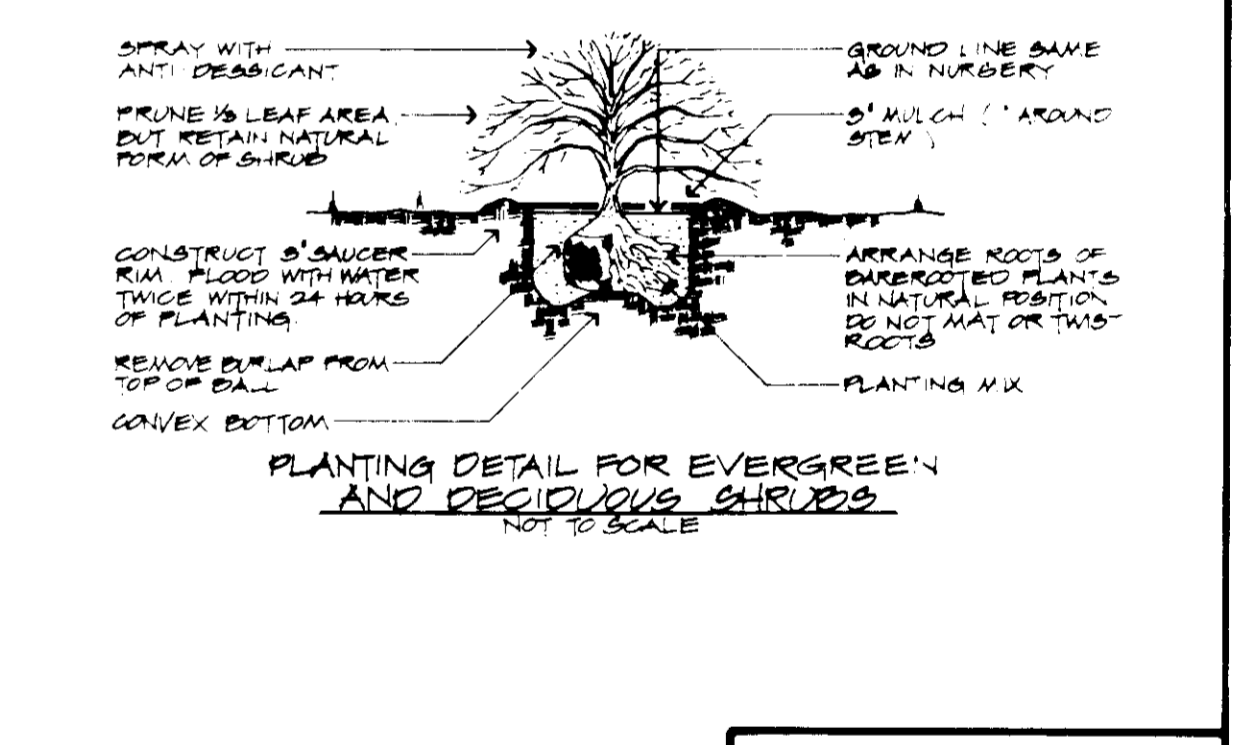
- NOTES:**
- Contractor is to notify Miss Utility a minimum of 72 hours prior to digging. Telephone: 1-800-257-7777
  - The Landscape Architect is to be notified 48 hours before planting begins. The location of all plant material is to be approved in the field by the Landscape Architect.
  - This plan is to be used for planting only.
  - No tree or shrub planting pits are to be left open or unattended.
  - Shrubs are to be grouped into mulched beds. Beds are to be edged and the grass is to be killed or removed prior to mulching.



**LANDSCAPE CALCULATIONS**

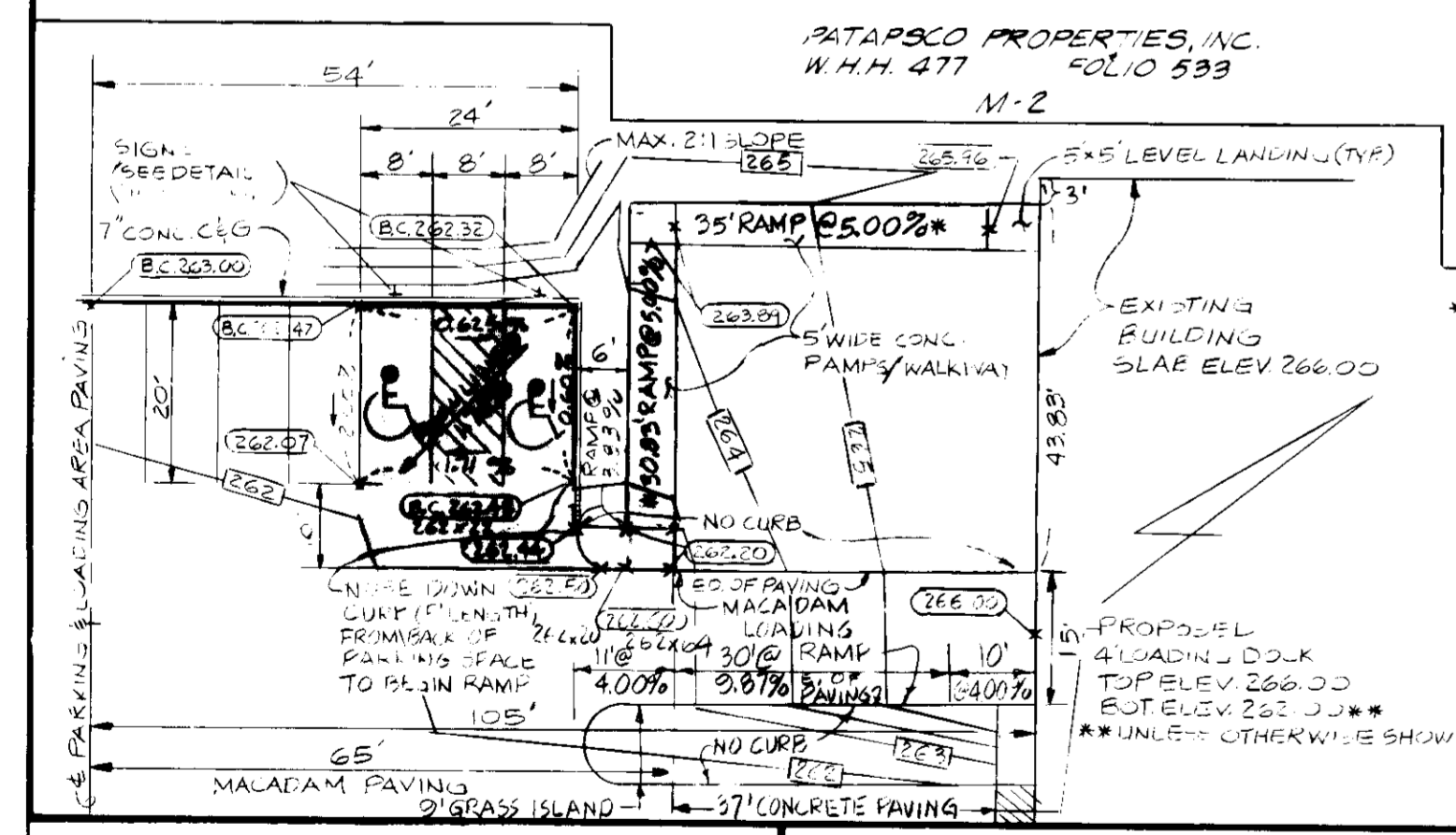
PERIMETER LANDSCAPE EDGE:

- PARKING ADJ TO ROADWAY - TYPE B (100 LF ± 40 & 110 LF ± 4) = 3 DECIDUOUS TREES, 28 SHRUBS
- LOADING ADJ TO ROADWAY - TYPE D (100 LF ± 40 & 100 LF ± 0) = 2 DECIDUOUS TREES, 0 EVERGREEN TREES
- STRUCTURE SIDE ADJ TO RD - TYPE B (210 LF ± 50 & 210 LF ± 40) = 5 DECIDUOUS TREES, 1 EVERGREEN TREES
- STRUCTURE ADJ TO PERIMETER PROP. - (65.11 LF ± 60) = 1 DECIDUOUS TREES
- TERMINAL PARKING (PARKING SPACES - 20) = 1 DECIDUOUS TREE
- TOTAL PLANTING REQUIRED = 22 DECIDUOUS TREES, 17 EVERGREEN TREES, 28 SHRUBS
- TOTAL PLANTING PROVIDED = 22 DECIDUOUS TREES, 7 EVERGREEN TREES, 28 SHRUBS



OWNER/DEVELOPER  
JAYARR ASSOCIATES  
8220 WELLMOOR COURT  
SAVAGE, MD 20763  
CONTACT: JIM SCHWAB  
(717) 255-7828

LANDSCAPE PLAN  
DATE: 2-27-95  
PREPARED BY:  
ROMAN & RHODE, INC.  
Landscape Architects  
170 E. Pennsylvania Avenue  
Towson, Maryland 21286  
(410) 825-3885



**ENGINEER'S CERTIFICATE**  
"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"

**DEVELOPER'S CERTIFICATE**  
"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 THE SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT."

**HICKS ENGINEERING CO., INC.**  
ENGINEERS, SURVEYORS & PLANNERS  
200 EAST JOPPA ROAD - SUITE 402  
TOWSON, MARYLAND 21286

Donald E. Hicks, P.E. 12/8/95  
DONALD E. HICKS P.E. DATE

James Schwab, Partner 12/13/95  
JAMES SCHWAB PARTNER DATE

John P. Blanton, District Manager 12/13/95  
JOHN P. BLANTON DISTRICT MANAGER DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING  
Director: [Signature] 2/9/96  
Chief, Development Engineering Division: [Signature] 12/15/95  
Chief, Division of Land Development and Research: [Signature] 2/9/96

**ADDRESS CHART**

LOT NO.	STREET ADDRESS	SUBDIVISION NAME	SECT./AREA	LOT/PARCEL NO.
PARCEL A BLOCK B	8220 WELLMOOR COURT	BALTIMORE-WASHINGTON INDUSTRIAL PARK	M-2	PARCEL A BLOCK B
			48	6
			4202600	

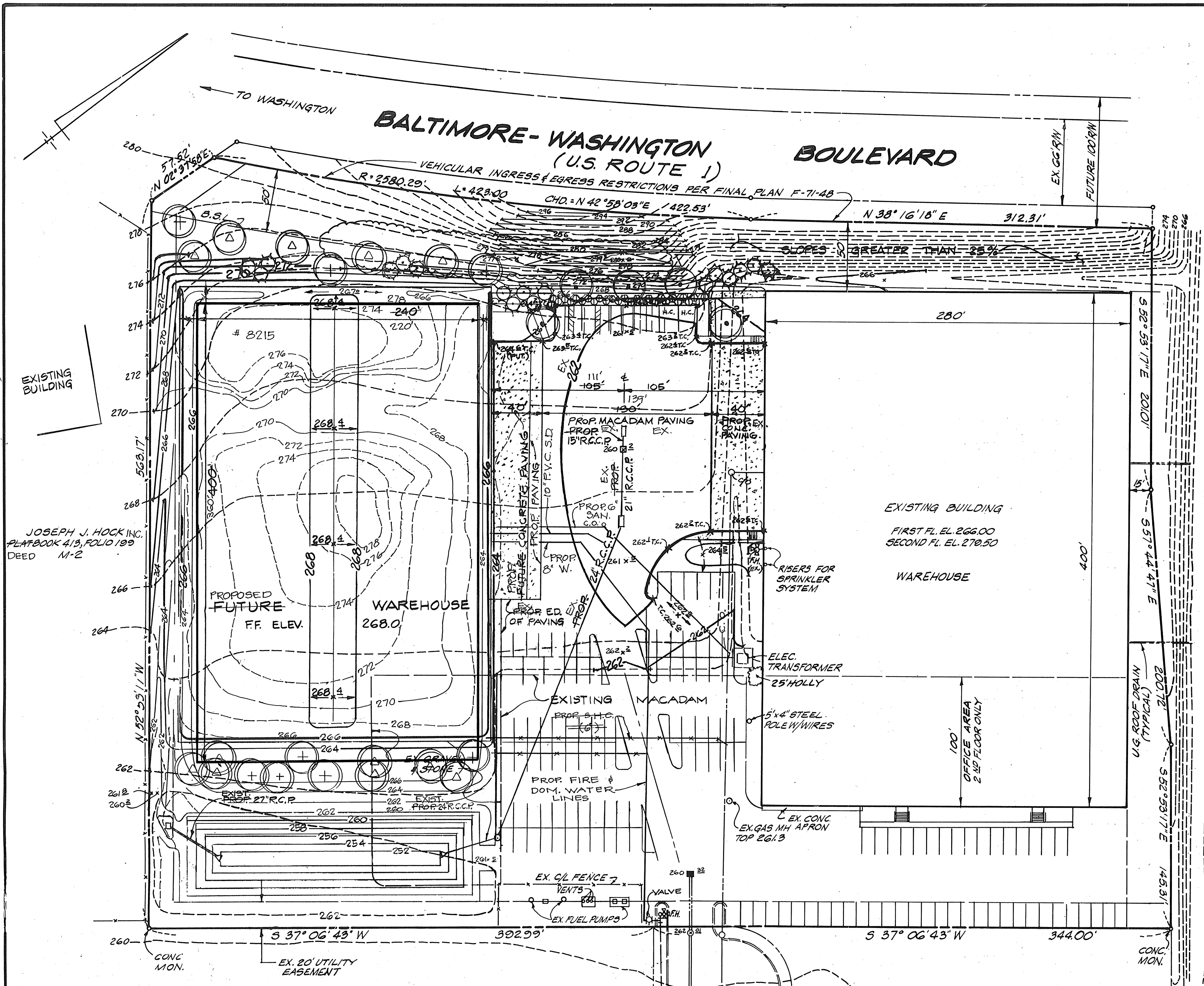
**SITE DEVELOPMENT PLAN**  
PROPOSED LOADING AREA PAVEMENT ONLY

NO.	REVISION	DATE
1	PER CHGS IN GRADING & PKG	9-7-95
2	SEE SHEET 1 OF 4	2/29/96

D & H DISTRIBUTING CO.  
8220 WELLMOOR CT.  
HOWARD COUNTY, MD  
6TH ELECTION DIST.  
DEED REF: L 555, F 731  
S.D.P. 95-80

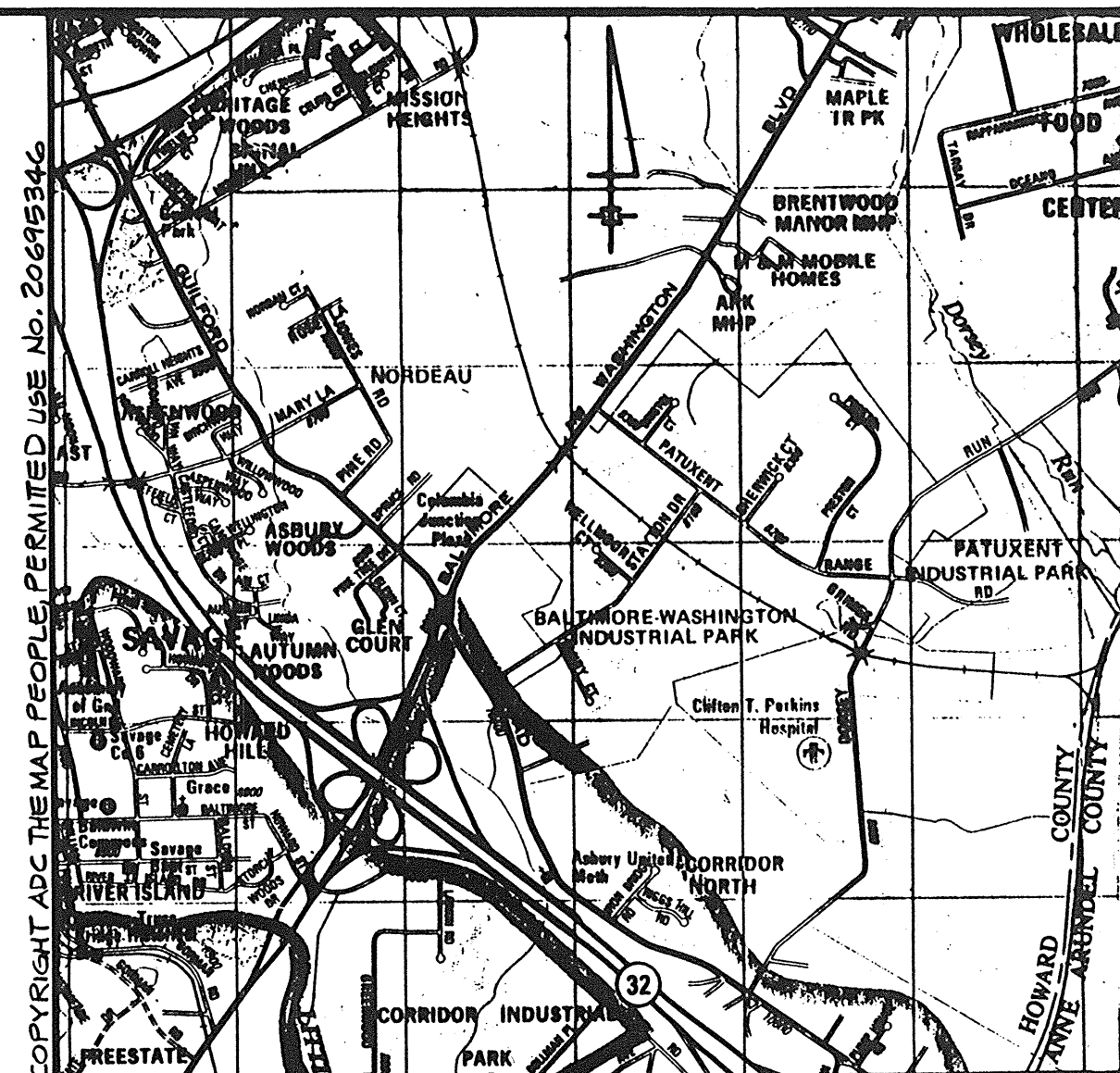
SCALE: 1" = 50'  
H.E.C. NO. 95-208  
DATE: 2/23/96  
SHEET: 4 OF 4





**SITE ANALYSIS**

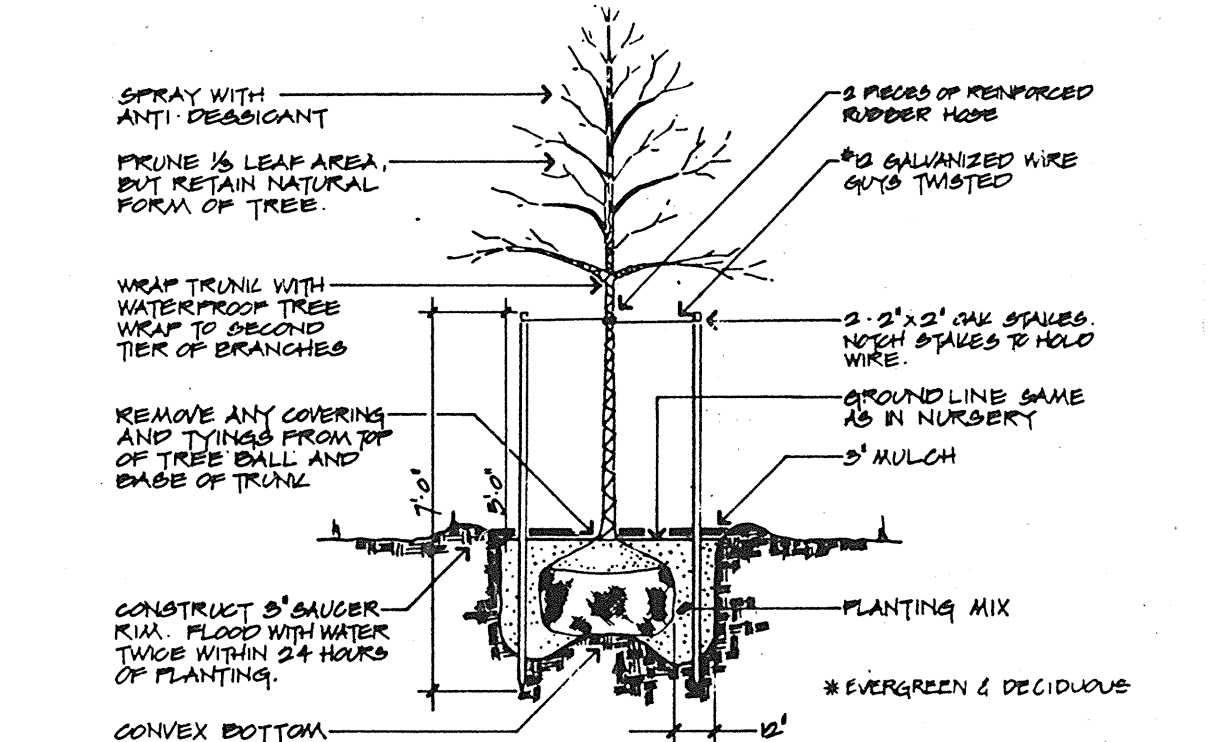
1. AREA OF PARCEL	10.15 AC.± (442,000 S.F.±)
2. PRESENT ZONING	M-2
3. PROPOSED USE OF STRUCTURE	WAREHOUSE/DISTRIBUTION (EXISTING)
4. FLOOR SPACE (EXISTING BUILDING)	111,000 S.F. (WAREHOUSE) & 1,000 S.F. (OFFICE)
5. FLOOR SPACE (FUTURE BUILDING)*	86 SPACES (30 OFFICE, 56 WAREHOUSE)
6. PARKING SPACES REQUIRED	42 SPACES
7. MIN. HANDICAP PARKING REQUIRED	5 SPACES (AS REQUIRED FOR 101 TO 150 TOTAL PARKING)
8. HANDICAP SPACES PROVIDED	5 SPACES



**PLANT LIST**

KEY	QTY.	BOTANICAL NAME COMMON NAME	SIZE	COND.	REMARKS
⊕	7	PRAXINUS PENN. 'PATMORE' 'PATMORE' ASH	2 1/2" - 3" CAL.	B & B	
⊙	10	QUERCUS PALUSTRIS PIN OAK	2 1/2" - 3" CAL.	B & B	
⊙	5	ZELKOVA SEKRATA 'GR. VASE' 'GREEN VASE' ZELKOVA	2 1/2" - 3" CAL.	B & B	
⊙	17	PINUS STROBUS WHITE PINE	6-8' HT.	B & B	
⊙	28	EUONYMUS PATELUS 'PAULI' EVERGREEN EUONYMUS	24-30" HT.	B & B	SPACE 4" O.C. STAGGERED

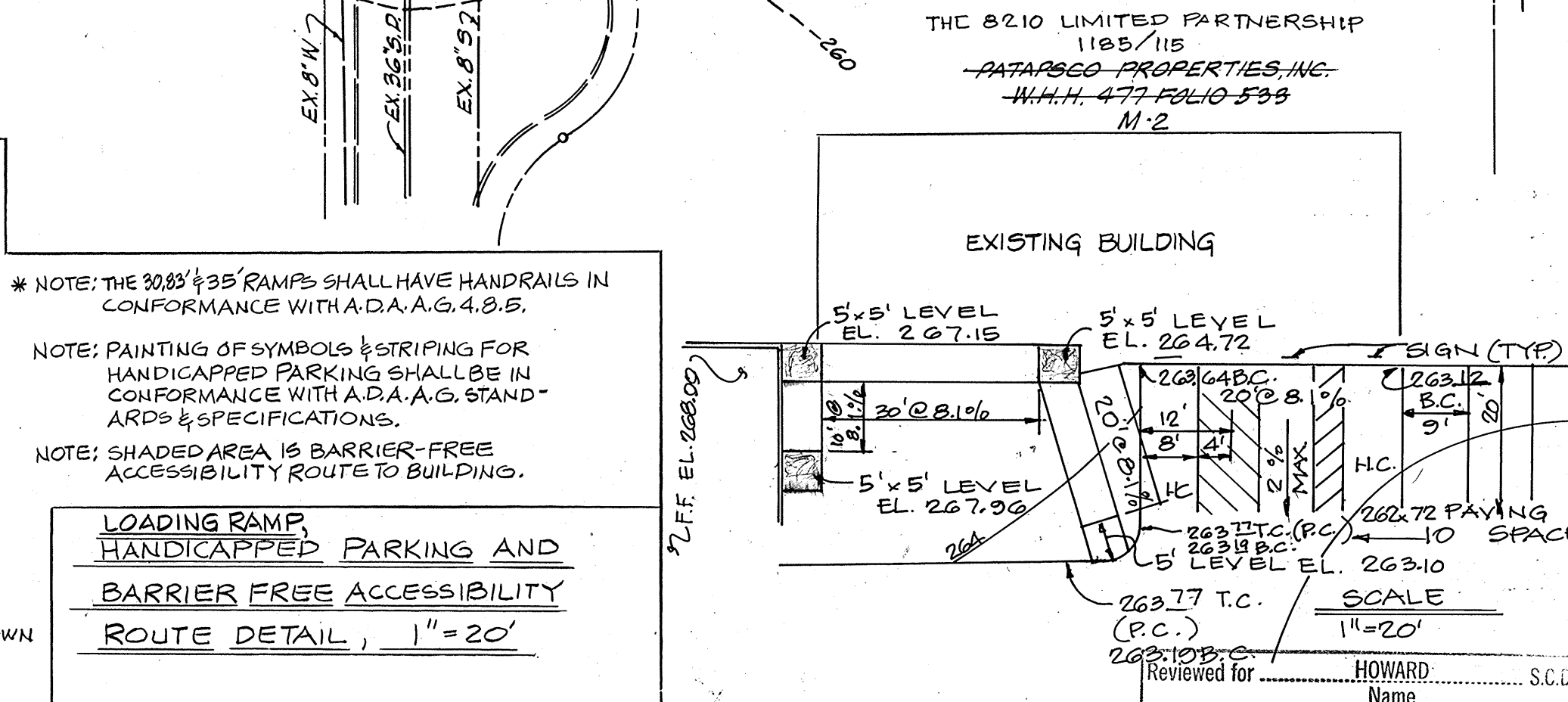
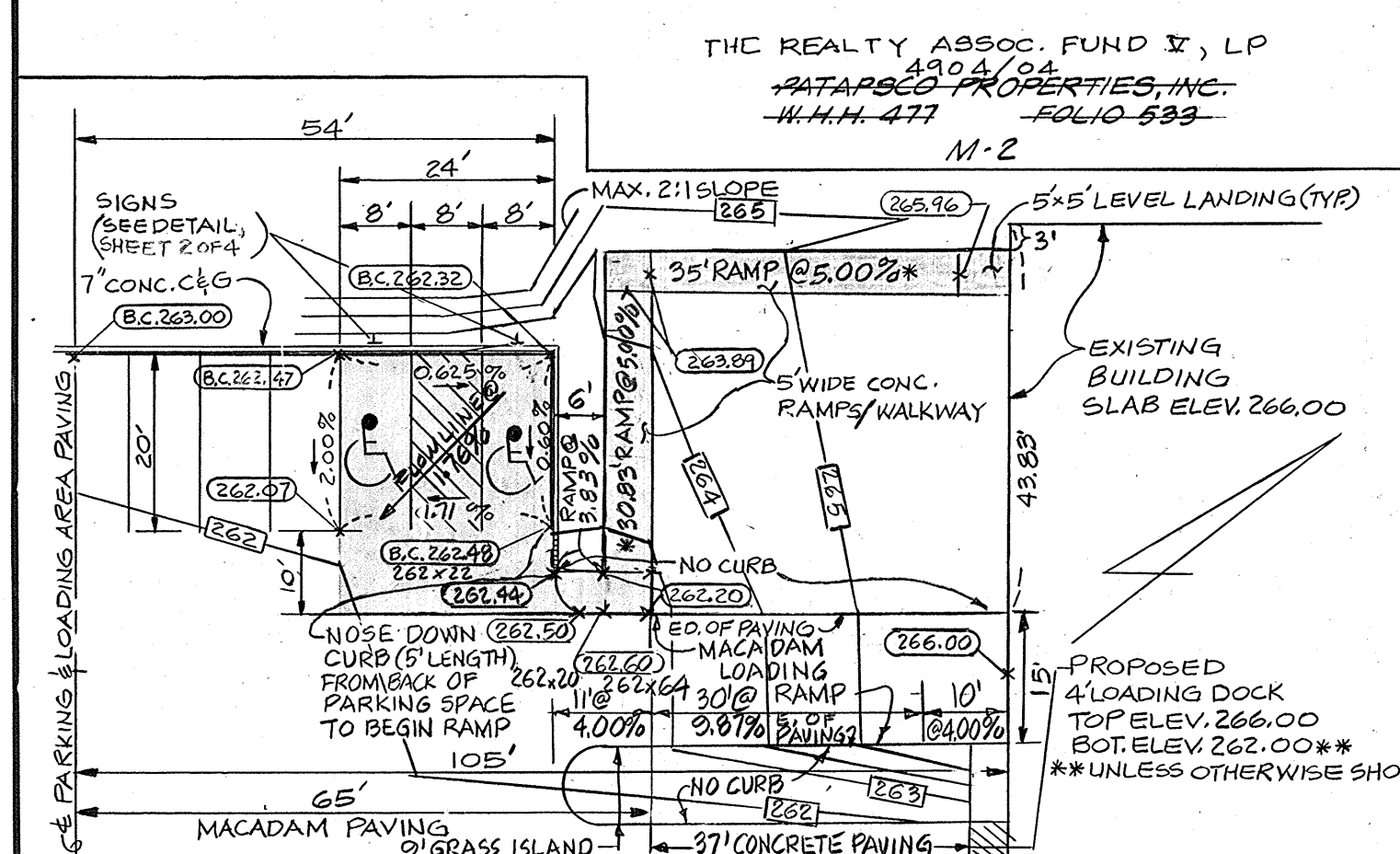
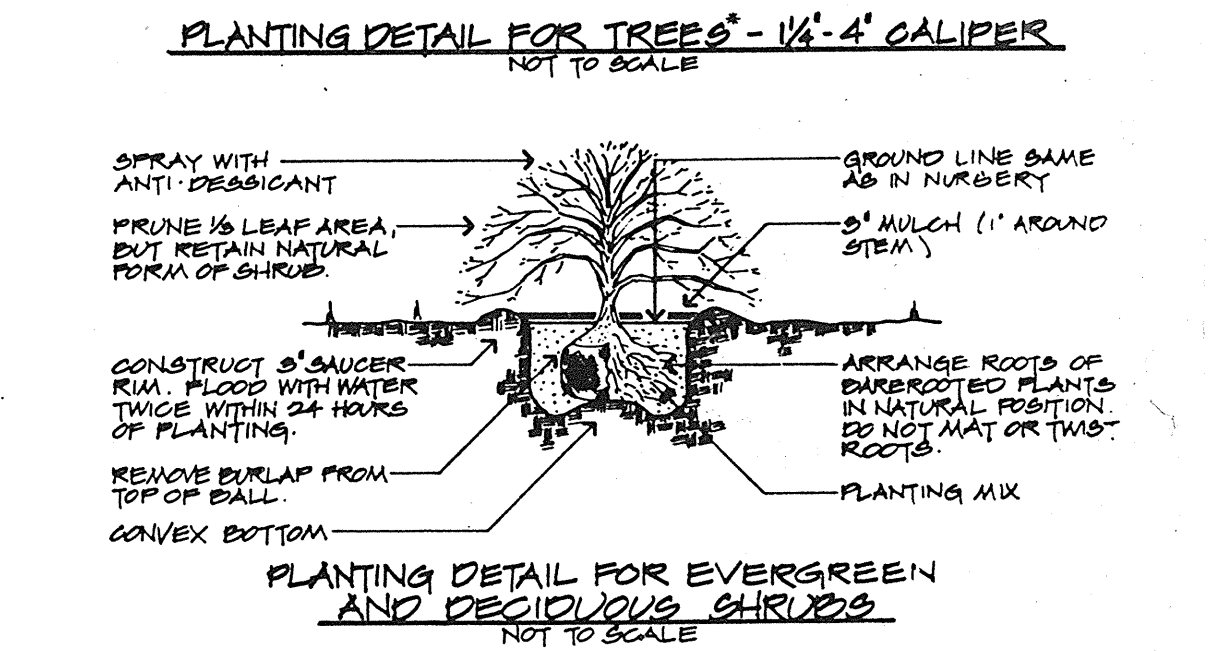
- NOTES:**
- Contractor is to notify Miss Utility a minimum of 72 hours prior to digging. Telephone: 1-800-257-7777
  - The Landscape Architect is to be notified 48 hours before planting begins. The location of all plant material is to be approved in the field by the Landscape Architect.
  - This plan is to be used for planting only.
  - No tree or shrub planting pits are to be left open or unattended.
  - Shrubs are to be grouped into mulched beds. Beds are to be edged and the grass is to be killed or removed prior to mulching.



**LANDSCAPE CALCULATIONS**

**PERIMETER LANDSCAPE EDGE:**

PARKING ADJ. TO ROADWAY - TYPE E (110 L.F. ÷ 40 & 110 L.F. ÷ 4)	= 3 DECIDUOUS TREES 28 SHRUBS
LOADING ADJ. TO ROADWAY - TYPE D (100 L.F. ÷ 60 & 100 L.F. ÷ 10)	= 2 DECIDUOUS TREES 10 EVERGREEN TREES
STRUCTURE SIDE ADJ. TO RD. - TYPE B (240 L.F. ÷ 50 & 240 L.F. ÷ 40)	= 5 DECIDUOUS TREES 6 EVERGREEN TREES
STRUCTURE ADJ. TO PERIMETER PROP. - NON-RESIDENTIAL USE (TYPE A) (650 L.F. ÷ 60)	= 11 DECIDUOUS TREES
INTERIOR PARKING: 10 PARKING SPACES ÷ 20	= 1 DECIDUOUS TREE
<b>TOTAL PLANTING REQUIRED</b>	<b>= 22 DECIDUOUS TREES 17 EVERGREEN TREES 28 SHRUBS</b>
<b>TOTAL PLANTING PROVIDED</b>	<b>= 22 DECIDUOUS TREES 17 EVERGREEN TREES 28 SHRUBS</b>



PREPARED BY:  
**HUMAN & RHODE, INC.**  
Landscape Architects  
110 E. Pennsylvania Avenue  
Towson, Maryland 21286  
(410) 825-3885

**LANDSCAPE PLAN**  
DATE: 2-27-95

OWNER/DEVELOPER  
SPECTOR FAMILY LLC  
P.O. BOX 1008  
8220 WELLMOOR COURT  
SAVAGE, MD 20763  
CONTACT: JIM SCHWAB SPECTOR  
(301) 255-7868

DATE: 12/8/95

**ADDRESS CHART**

LOT NO.	STREET ADDRESS	SUBDIVISION NAME	SECT. / AREA	LOT / PARCEL NO.
PARCEL 'A' BLOCK 'B'	8220 WELLMOOR COURT	BALTIMORE-WASHINGTON INDUSTRIAL PARK		PARCEL 'A' BLOCK 'B'
	8215 WELLMOOR COURT			

**SITE DEVELOPMENT PLAN**

NO.	REVISION	DATE
1	PER CHGS. IN GRADING & PKG.	9-7-95
2	SEE SHEET 1 OF 4	2/29/96
3	REVISED FUTURE WAREHOUSE TO PROPOSED; GENERAL PLAN REVISION	4/6/04
4	ADDED HANDICAPPED PARKING AND DETAIL THIS SHEET	11/7/04
5	REVISED HANDICAPPED PARKING AREA PER COUNTY COMMENTARY	4/3/04
	ADDED REVISED LOCATION OF V.S. & 10" P.V.C. ST. DR.	"

PROPOSED LOADING AREA PAVEMENT ONLY PROPOSED BUILDING EXPANSION

**D & H DISTRIBUTING CO.**  
8220 WELLMOOR CT.  
HOWARD COUNTY, MD  
6TH ELECTION DIST.  
DEED REF: L-555-P-731-5921 FGG9  
S.D.P. 95-80

TRADING AS:  
SPECTOR FAMILY, LLC

SCALE: 1" = 50'  
H.E.C. JO. NO. 95008

DATE: 2/23/95  
SHEET 4 OF 4

**ENGINEER'S CERTIFICATE**

"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."

**HICKS ENGINEERING CO., INC.**  
ENGINEERS, SURVEYORS & PLANNERS  
200 EAST JOPPA ROAD - SUITE 402  
TOWSON, MARYLAND 21286

Donald E. Hicks P.E. 12/8/95  
DATE

**DEVELOPER'S CERTIFICATE**

"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 THE SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT."

SPECTOR FAMILY LLC  
JAYARR ASSOCIATES

HARRY SPECTOR 3/31/04  
DATE

JAMES SCHWAB PARTNER 12/8/95  
DATE

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

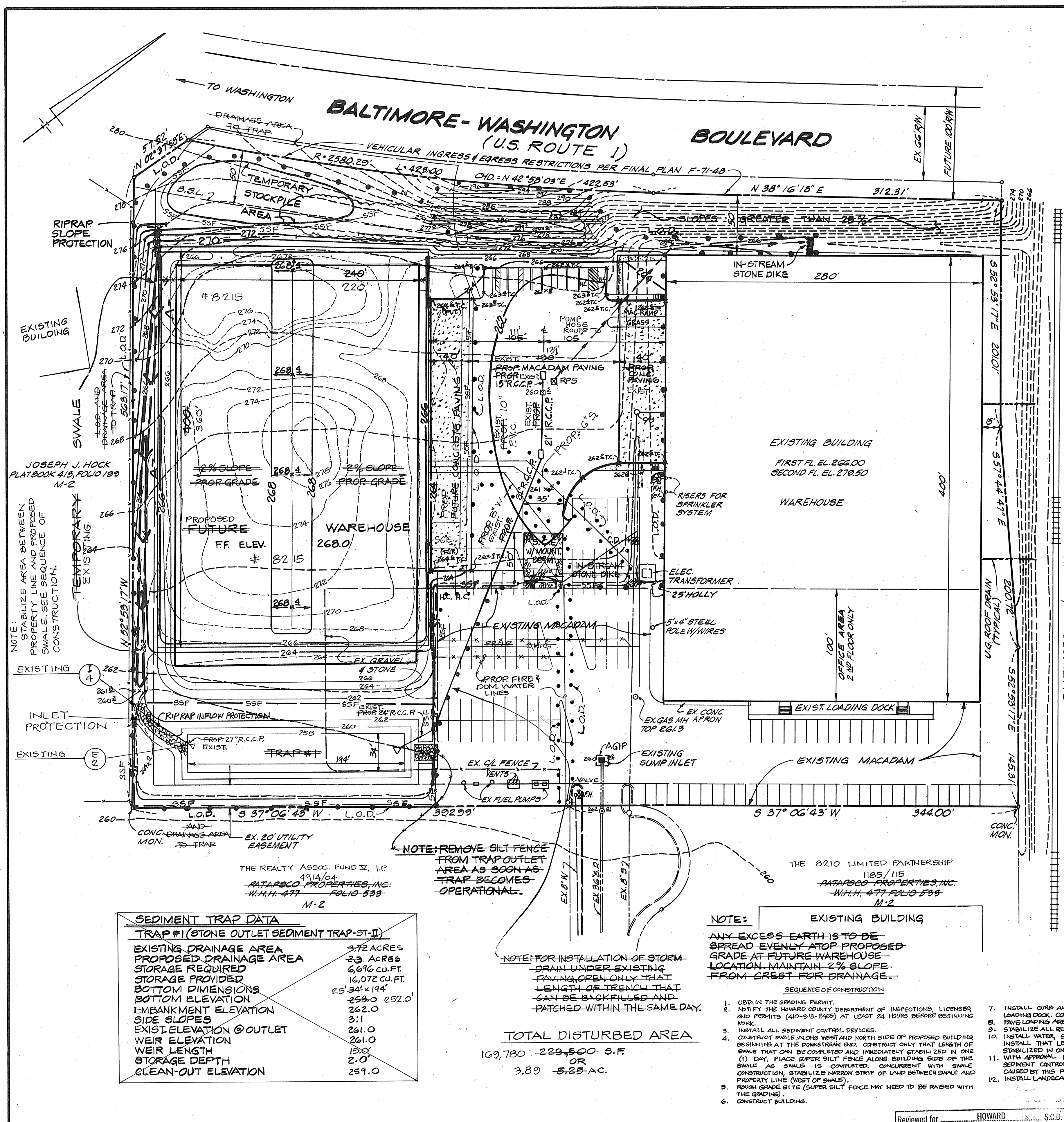
APPROVED:  
**John P. Robertson** 12/13/95  
DISTRICT MANAGER  
HOWARD SOIL CONSERVATION DISTRICT

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

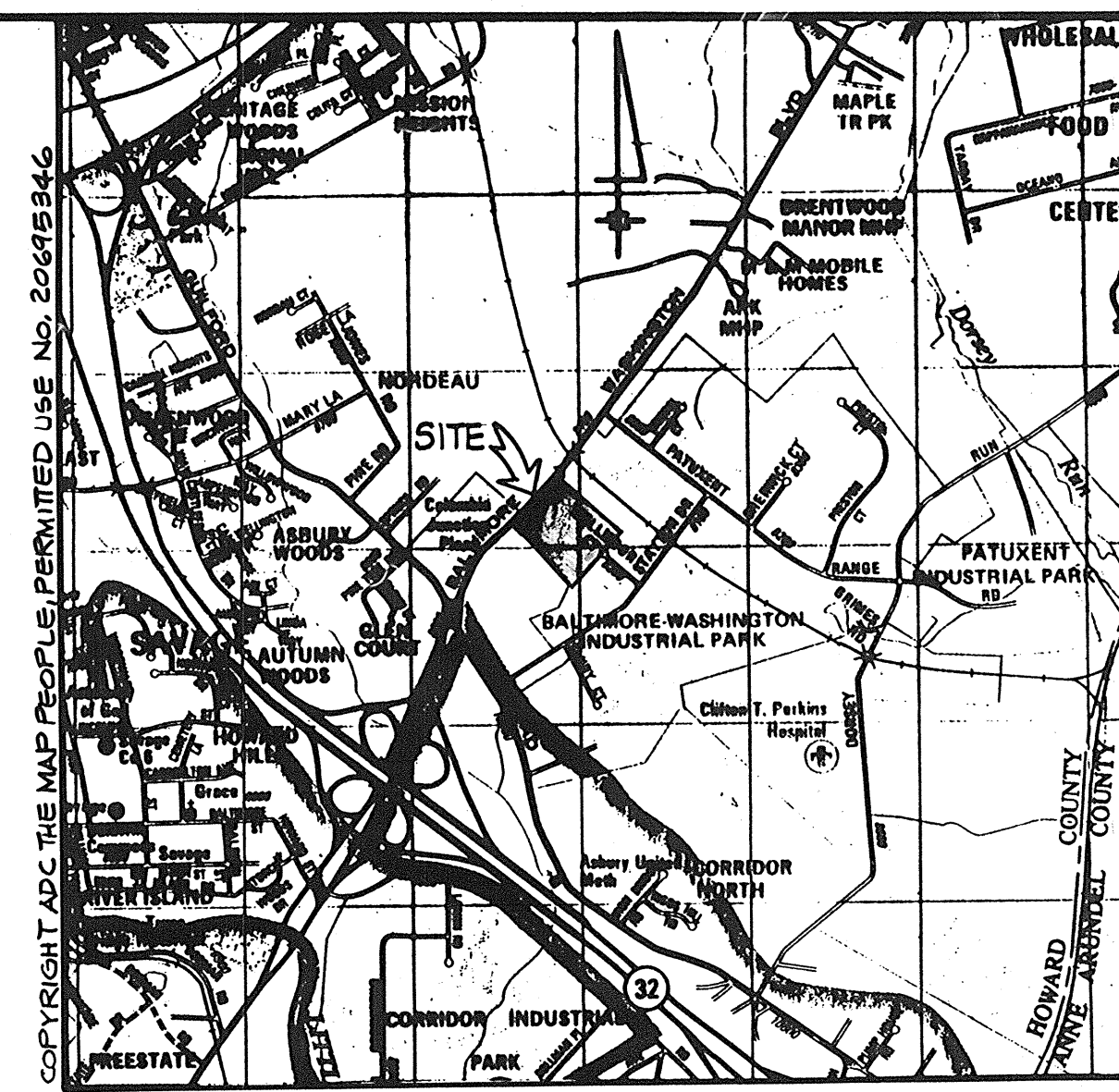
**Frank J. Dwyer** 2/9/96  
DIRECTOR  
DATE

**John P. Robertson** 12/15/95  
CHIEF, DEVELOPMENT ENGINEERING DIVISION  
DATE

**Anna Schwaninger** 2/9/96  
CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH  
DATE



- UTILITY NOTES**
- 1) OPEN ONLY THAT SECTION OF TRENCH THAT CAN BE BACKFILLED AND STABILIZED EACH DAY.
  - 2) PLACE ALL EXCAVATED MATERIAL ON UPHILL SIDE OF TRENCH.
  - 3) ANY SEDIMENT CONTROLS DISTURBED BY UTILITY CONSTRUCTION ARE TO BE REPAIRED IMMEDIATELY.
- SEDIMENT CONTROL NOTES**
- 1) A MINIMUM OF 24 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY OFFICE OF INSPECTION AND PERMITS PRIOR TO THE START OF ANY CONSTRUCTION. (592-2455).
  - 2) ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
  - 3) FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: A) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1; B) 14 DAYS AS TO ANY OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
  - 4) ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE PERCHED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 12, OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
  - 5) ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDINGS, SOD, TEMPORARY SEEDING AND MULCHING. TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
  - 6) 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.
  - 7) SITE ANALYSIS:
    - TOTAL AREA OF SITE 10.15 ACRES
    - AREA DISTURBED 3.85 = 5.25 ACRES
    - AREA TO BE ROOFED OR PAVED 2.03 = 1.20 ACRES
    - AREA TO BE VEGETATIVELY STABILIZED 1.81 = 4.05 ACRES
    - TOTAL CUT 15.00 CU. YDS.
    - TOTAL FILL 15.00 CU. YDS.
  - 8) ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
  - 9) ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY DPW SEDIMENT CONTROL INSPECTOR.
  - 10) ON ALL SITES WITH 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 NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.
- NOTES - EXCESS MATERIAL TO BE USED ON SITE (SITE IS BALANCED)**

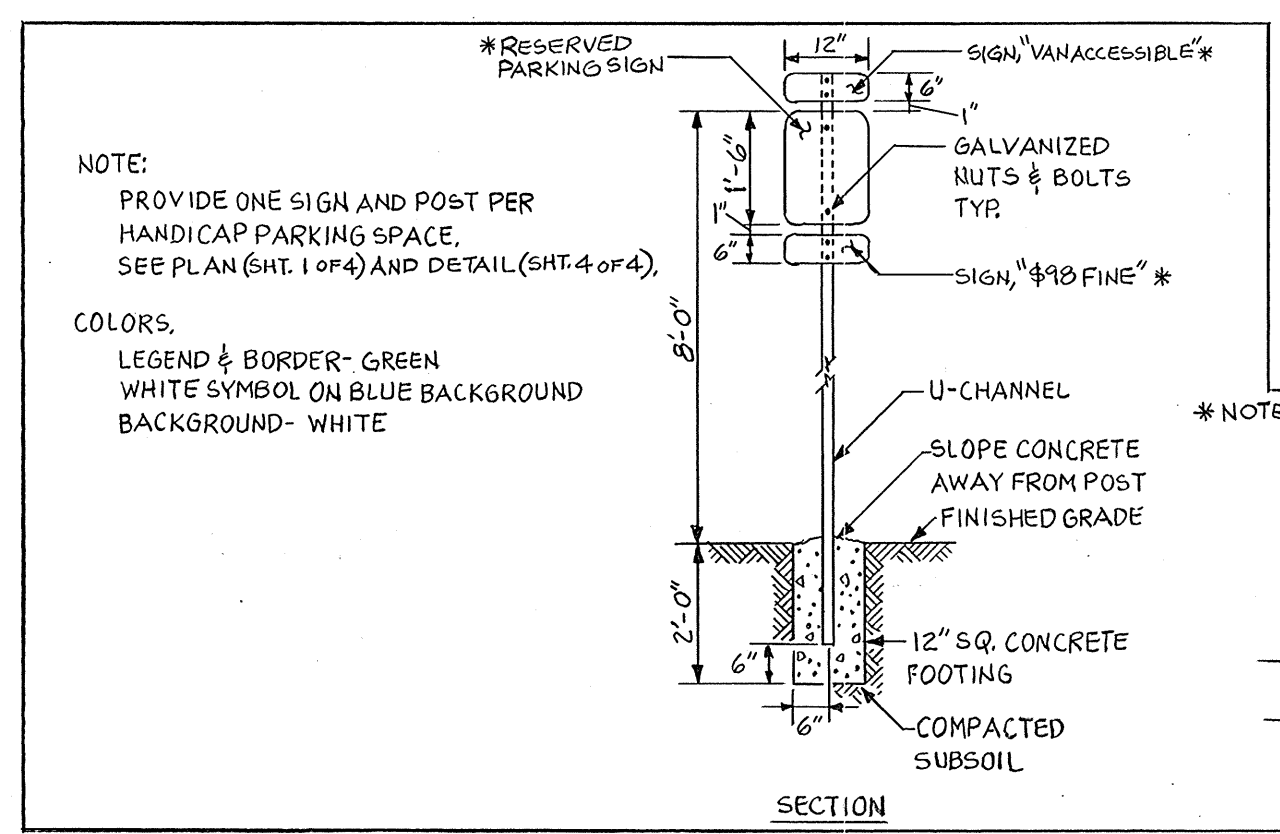


LOCATION MAP  
SCALE: 1" = 200'

**LEGEND**

- STABILIZED CONSTRUCTION ENTRANCE
- SUPER SILT FENCE
- SILT FENCE
- AT GRADE INLET PROTECTION
- STONE CHECK DAM
- IN-STREAM STONE DIKE
- TEMPORARY SWALE
- REMOVABLE PUMPING STATION
- MOUNTABLE BERM
- LIMIT OF DISTURBANCE
- DEWATERING BASIN
- PUMP OUTLET HOSE
- EXISTING CONTOURS
- PROPOSED CONTOURS
- SPOT ELEVATION

- SEQUENCE OF OPERATIONS**
- 1) ACQUIRE GRADING PERMIT.
  - 2) NOTIFY THE HOWARD COUNTY OFFICE OF INSPECTION AND PERMITS 24 HOURS PRIOR TO BEGINNING WORK.
  - 3) INSTALL ALL SEDIMENT CONTROL DEVICES.
  - 4) ROUGH GRADE SITE, EXCEPT FOR PROPOSED INFILTRATION BASIN AREA.
  - 5) INSTALL STORM DRAINS FROM "1" TO "M-1" ONLY (BLOCK INLET OPENING TO PREVENT ANY WATER OR SEDIMENT FROM ENTERING PIPES).
  - 6) INSTALL PAVING SUBBASE, AN-CURB AND CUTTER AS WELL AS WALKWAYS AND LOADING DOCK, AND FINISH GRADE, REMAINDER OF SITE.
  - 7) PAVE LOADING AREA AND STABILIZE ALL REMAINING DISTURBED AREAS.
  - 8) UPON APPROVAL OF THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR, CONVERT SEDIMENT TRAP #1 TO STORMWATER INFILTRATION BASIN AFTER DENATURING AND REMOVAL OF ALL SEDIMENT.
  - 9) INSTALL REMAINDER OF STORM DRAINS FROM "M-1" TO "E-1".
  - 10) STABILIZE INFILTRATION BASIN AND UNBLOCK INLET OPENING.
  - 11) UPON APPROVAL OF THE SEDIMENT CONTROL INSPECTOR, REMOVE ALL REMAINING SEDIMENT CONTROL DEVICES AND IMMEDIATELY STABILIZE ANY DISTURBED AREAS WITH SAND REMOVAL.



**NOTE:** PROVIDE ONE SIGN AND POST PER HANDICAP PARKING SPACE. SEE PLAN (SHT. 1 OF 4) AND DETAIL (SHT. 4 OF 4).

**COLORS:**  
LEGEND & BORDER - GREEN  
WHITE SYMBOL ON BLUE BACKGROUND  
BACKGROUND - WHITE

**\*NOTE: SIGNS SHALL BE IN CONFORMANCE WITH APPLICABLE COUNTY, STATE AND FEDERAL STANDARDS & SPECIFICATIONS.**

**SEDIMENT TRAP DATA**

TRAP #1 (STONE OUTLET SEDIMENT TRAP-ST-II)

EXISTING DRAINAGE AREA	3.72 ACRES
PROPOSED DRAINAGE AREA	2.3 ACRES
STORAGE REQUIRED	6,696 CU. FT.
STORAGE PROVIDED	16,072 CU. FT.
BOTTOM DIMENSIONS	25'34" x 19'4"
BOTTOM ELEVATION	259.0
EMBANKMENT ELEVATION	262.0
SIDE SLOPES	3:1
WEIR ELEVATION @ OUTLET	261.0
WEIR LENGTH	18'5"
STORAGE DEPTH	2.0'
CLEAN-OUT ELEVATION	259.0

**TOTAL DISTURBED AREA**

109,780 - 229,500 S.F.  
OR  
3.89 - 5.25 AC.

**NOTE:** ANY EXCESS EARTH IS TO BE SPREAD EVENLY ATOP PROPOSED GRADE AT FUTURE WAREHOUSE LOCATION. MAINTAIN 2% SLOPE FROM CREST FOR DRAINAGE.

- SEQUENCE OF CONSTRUCTION**
1. OBTAIN THE GRADING PERMIT.
  2. NOTIFY THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS (410-913-2425) AT LEAST 24 HOURS BEFORE BEGINNING WORK.
  3. INSTALL ALL SEDIMENT CONTROL DEVICES.
  4. CONSTRUCT SWALE ALONG WEST AND NORTH SIDE OF PROPOSED BUILDING BEGINNING AT THE DOWNSTREAM END. CONTRACT ONLY THAT LENGTH OF SWALE THAT CAN BE COMPLETED AND IMMEDIATELY STABILIZED IN ONE (1) DAY. PLACE SUPER SILT FENCE ALONG BUILDING SIDE OF THE SWALE AS SWALE IS COMPLETED. CONCURRENT WITH SWALE CONSTRUCTION, STABILIZE HARDEN STRIP OF LAND BETWEEN SWALE AND PROPERTY LINE (WEST OF SWALE).
  5. ROUGH GRADE SITE (SUPER SILT FENCE MAY NEED TO BE RAISED WITH THE GRADING).
  6. CONSTRUCT BUILDINGS.
  7. INSTALL CURB AND GUTTER, PAVING SUBBASE, AND WALKWAYS AND LOADING DOCK, CONCURRENTLY, FINISH GRADE REMAINDER OF SITE.
  8. PAVE LOADING AREA.
  9. STABILIZE ALL REMAINING DISTURBED AREAS.
  10. INSTALL WATER, GENEVA & 10" PVC ROOF LEADER CONNECTIONS. ONLY INSTALL THAT LENGTH OF UTILITY THAT CAN BE BACKFILLED AND STABILIZED IN ONE (1) DAY.
  11. WITH APPROVAL FROM THE SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT CONTROL DEVICES AND STABILIZE THE DISTURBED AREAS CAUSED BY THIS PROCESS.
  12. INSTALL LANDSCAPING.

SPECTOR FAMILY LLC  
P.O. BOX 1008  
SAVAGE, MD 20763  
HARRY SPECTOR

**OWNER/DEVELOPER**  
JAYARR ASSOCIATES  
8220 WELLMOOR COURT  
SAVAGE, MD 20763  
CONTACT: JIM SCHWAB  
(717) 255-7883

**STATE OF MARYLAND**  
DEPARTMENT OF GENERAL SERVICES  
DIVISION OF LAND MANAGEMENT

*James Schwab*  
12/13/95  
DATE

**ADDRESS CHART**

LOT NO.	STREET ADDRESS
PARCEL A' BLOCK B'	8220 WELLMOOR COURT
	8215 WELLMOOR COURT

**SEDIMENT CONTROL PLAN**

NO.	REVISION	DATE
2	SEE SHEET 1 OF 4	2/20/06
3	FUTURE WAREHOUSE TO PROPOSED,	
4	GENERAL PLAN REVISION ADDED HANDICAPPED PARKING THIS SHEET	3/31/04 11/17/04
5	REVISED W. SEWER # 5 D. BLDG. CONDR - REVISED SED. TRAP DETAIL	4/13/04

**PROPOSED LOADING AREA PAVEMENT ONLY**  
PROPOSED BUILDING EXPANSION

**D & H DISTRIBUTING CO.**  
8220 WELLMOOR CT.  
HOWARD COUNTY, MD  
6TH ELECTION DIST.  
DEED REF: L-555, E-731  
S.D.P. 95-80

TRADING AS:  
SPECTOR FAMILY, LLC

SCALE: 1" = 50'  
H.E.C. J.C. NO. 05008

DATE: 2/23/95  
SHEET 2 OF 4

**HICKS ENGINEERING CO., INC.**  
ENGINEERS, SURVEYORS & PLANNERS  
200 EAST JOPPA ROAD - SUITE 402  
TOWSON, MARYLAND 21286

*Donald E. Hicks, P.E.*  
12/13/95  
DATE

**ENGINEER'S CERTIFICATE**

"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."

**DEVELOPER'S CERTIFICATE**

"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 THE SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT."

HARRY SPECTOR 3/31/04  
JAMES SCHWAB 12/13/95  
DATE

Reviewed for HOWARD COUNTY S.C.D. Name: *Patricia Schmitt* Date: 12/13/95  
Signature: *Patricia Schmitt*  
USDA, NATURAL RESOURCES CONSV. SERVICE

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

APPROVED: *John R. Blanton* 12/13/95  
DISTRICT MANAGER  
HOWARD SOIL CONSERVATION DISTRICT

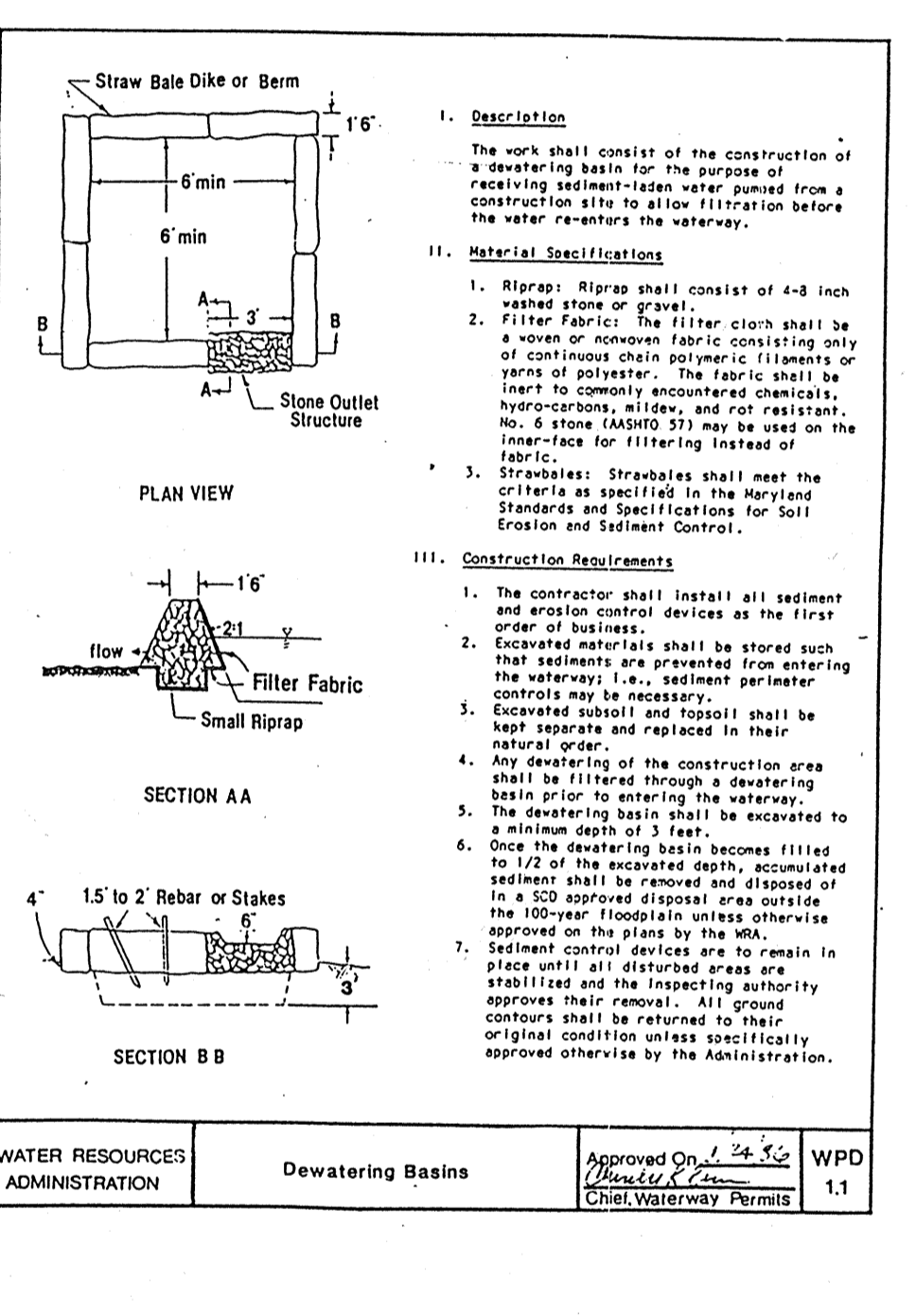
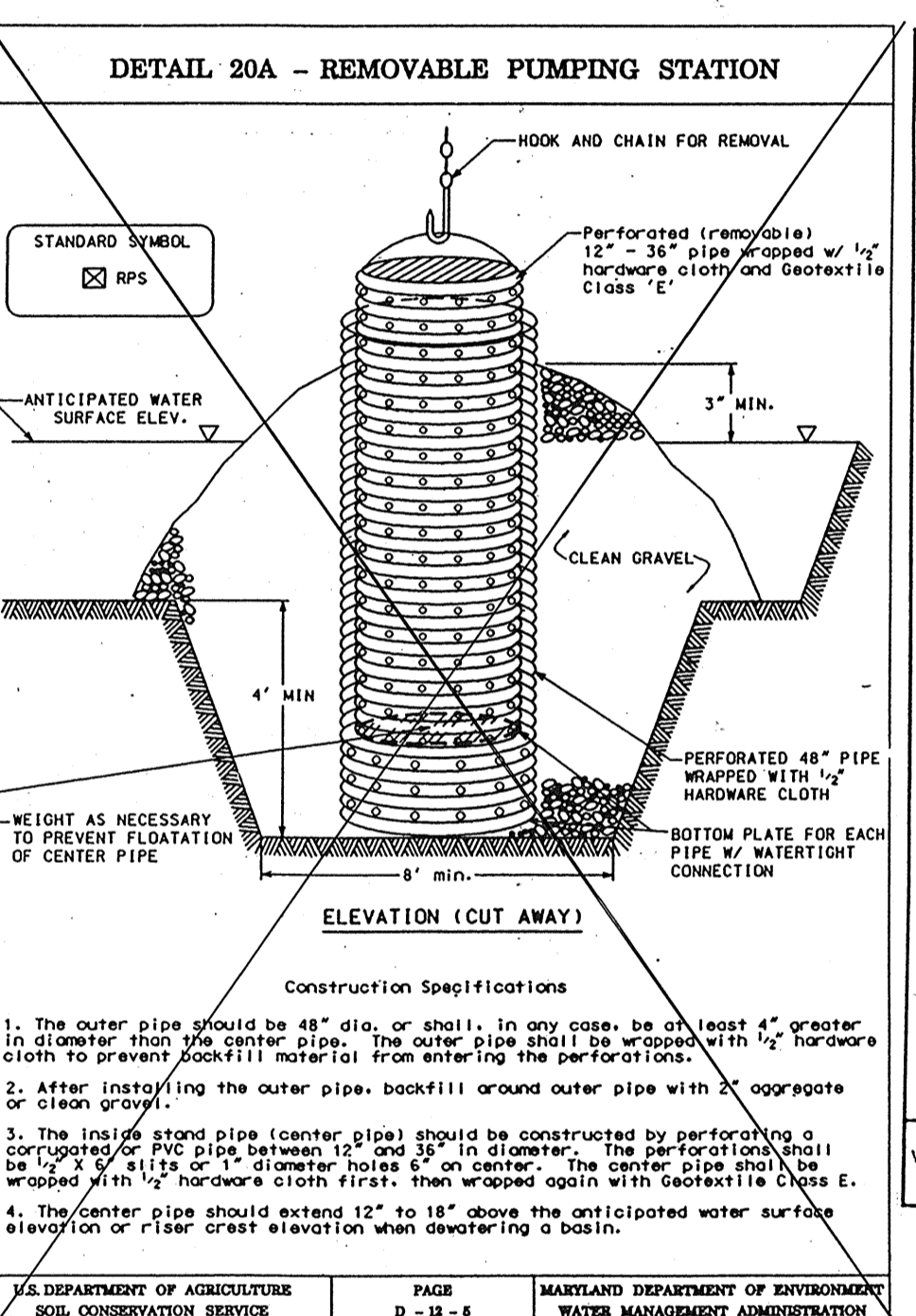
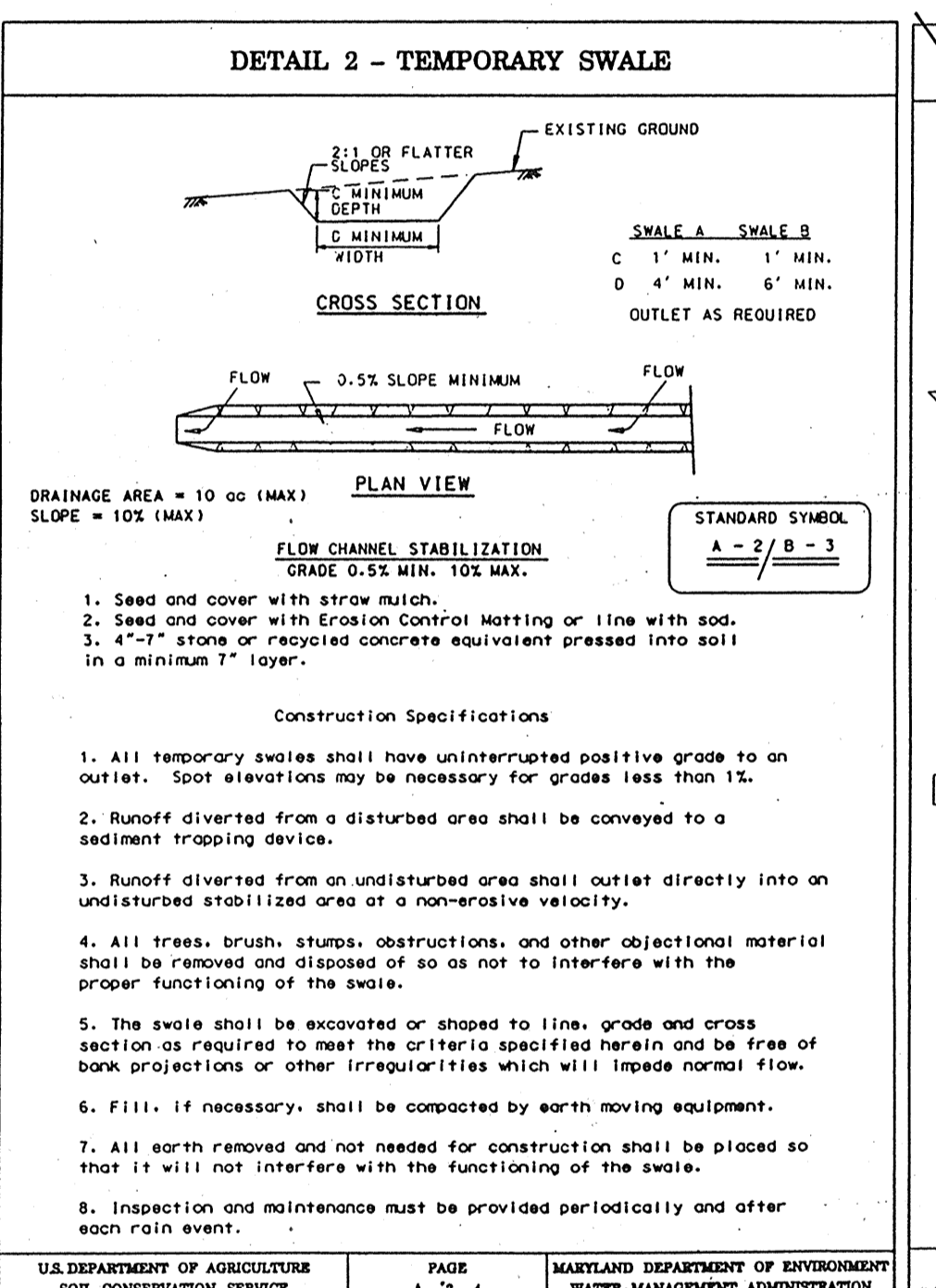
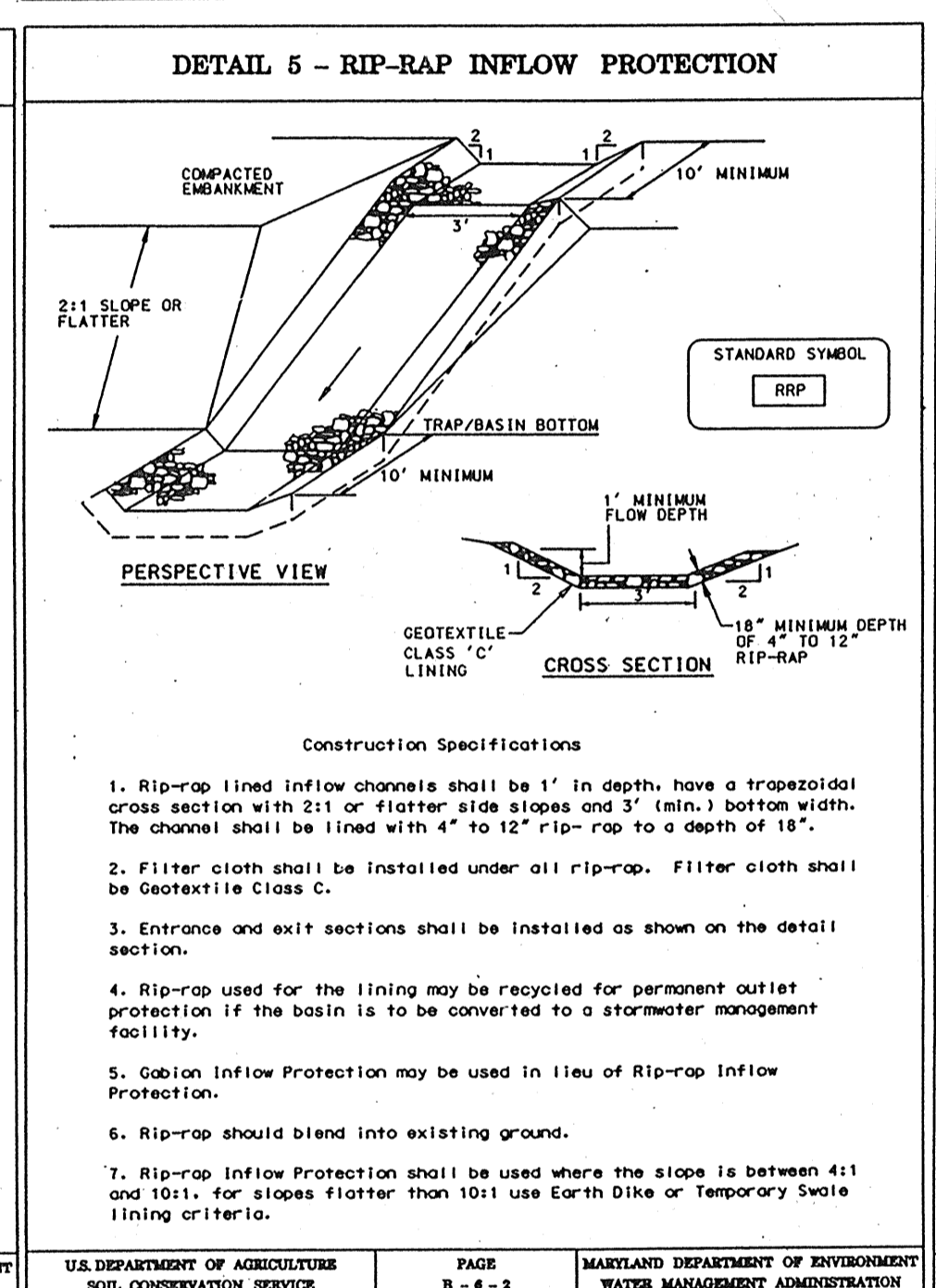
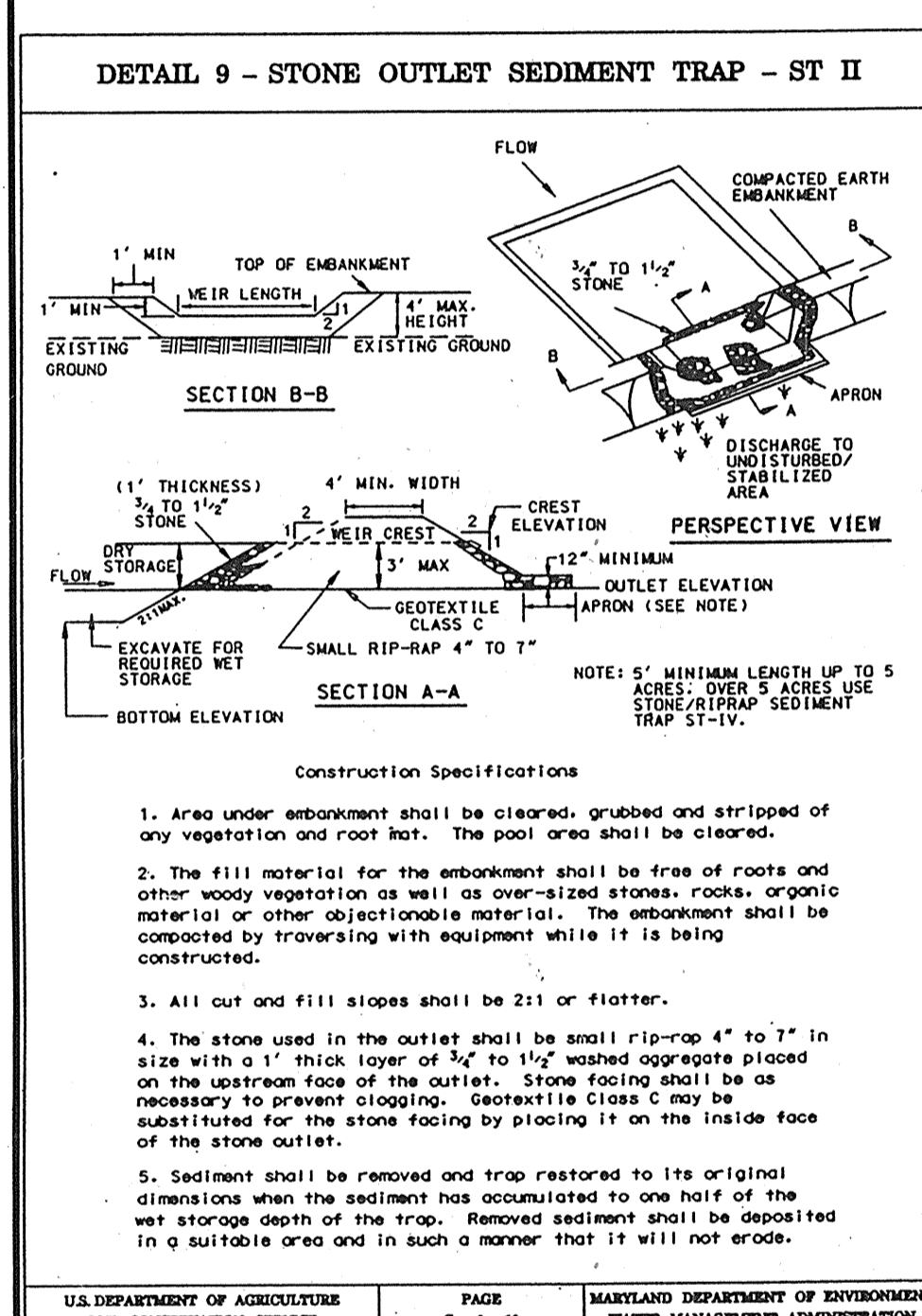
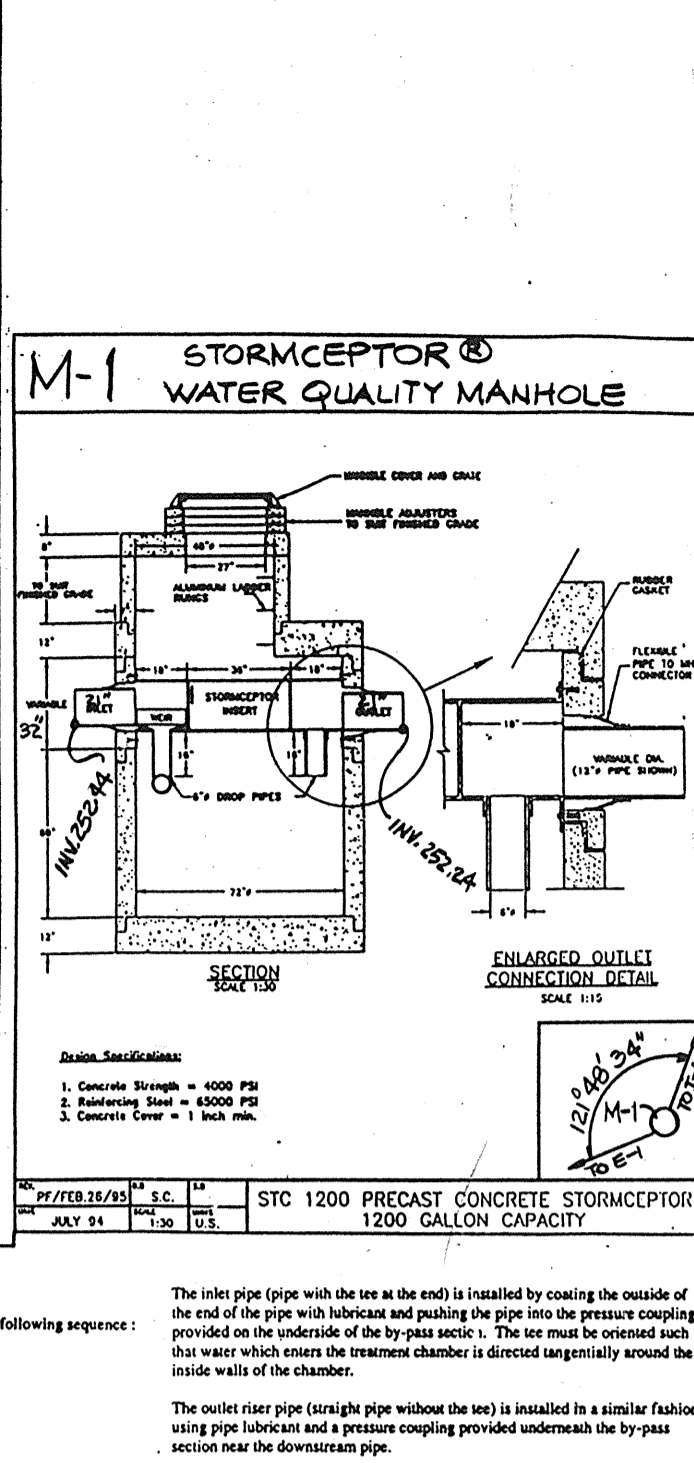
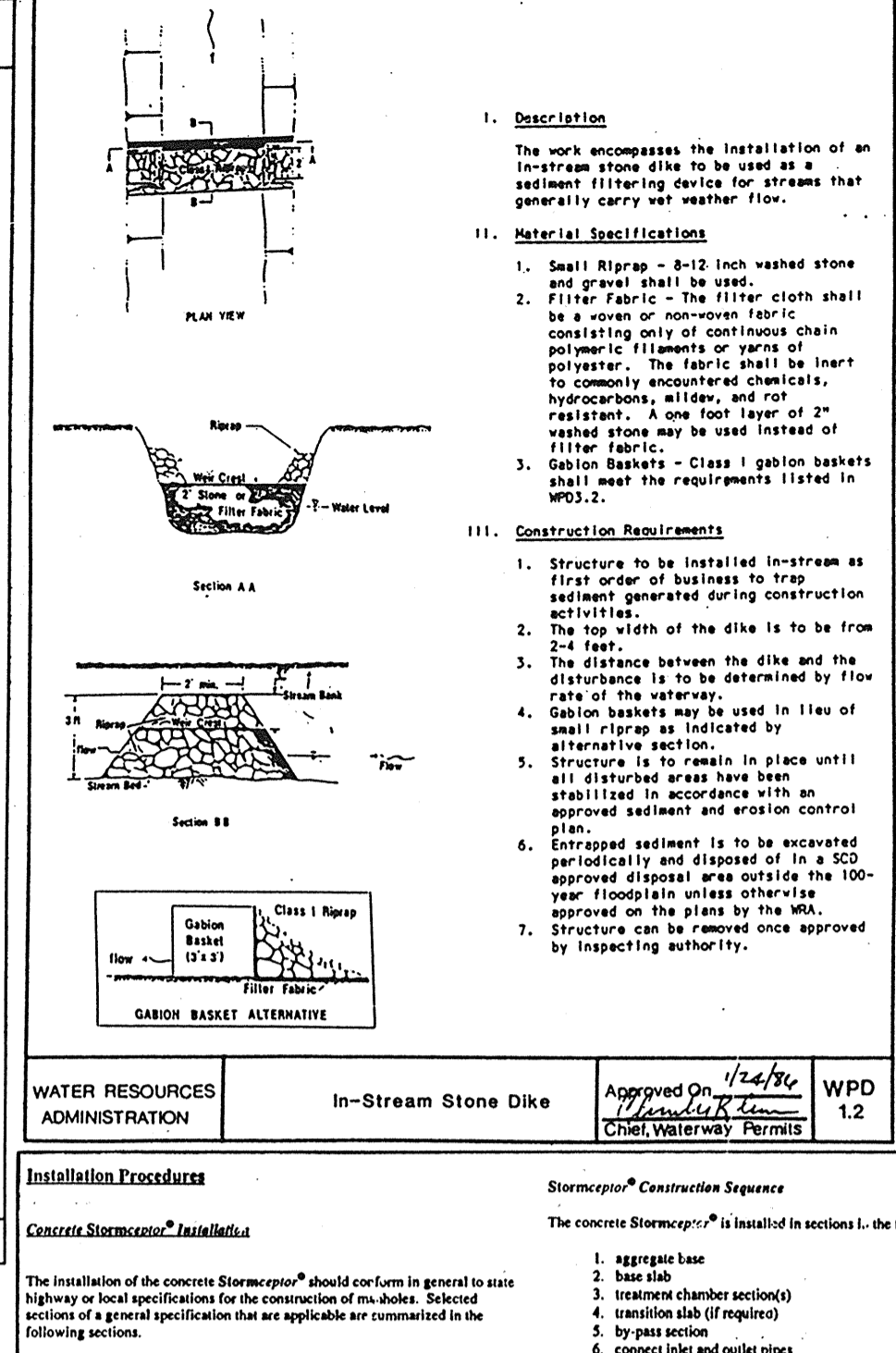
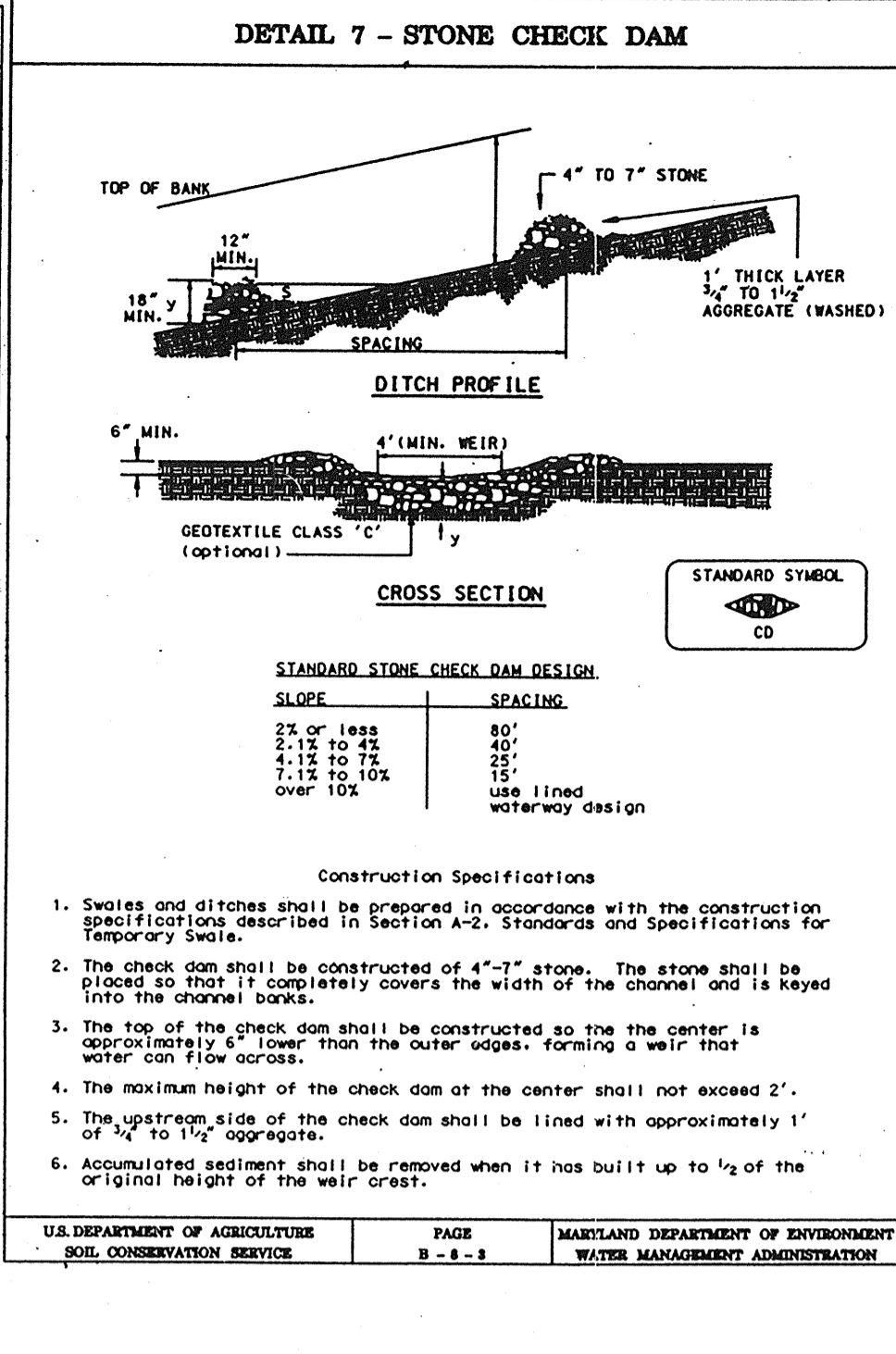
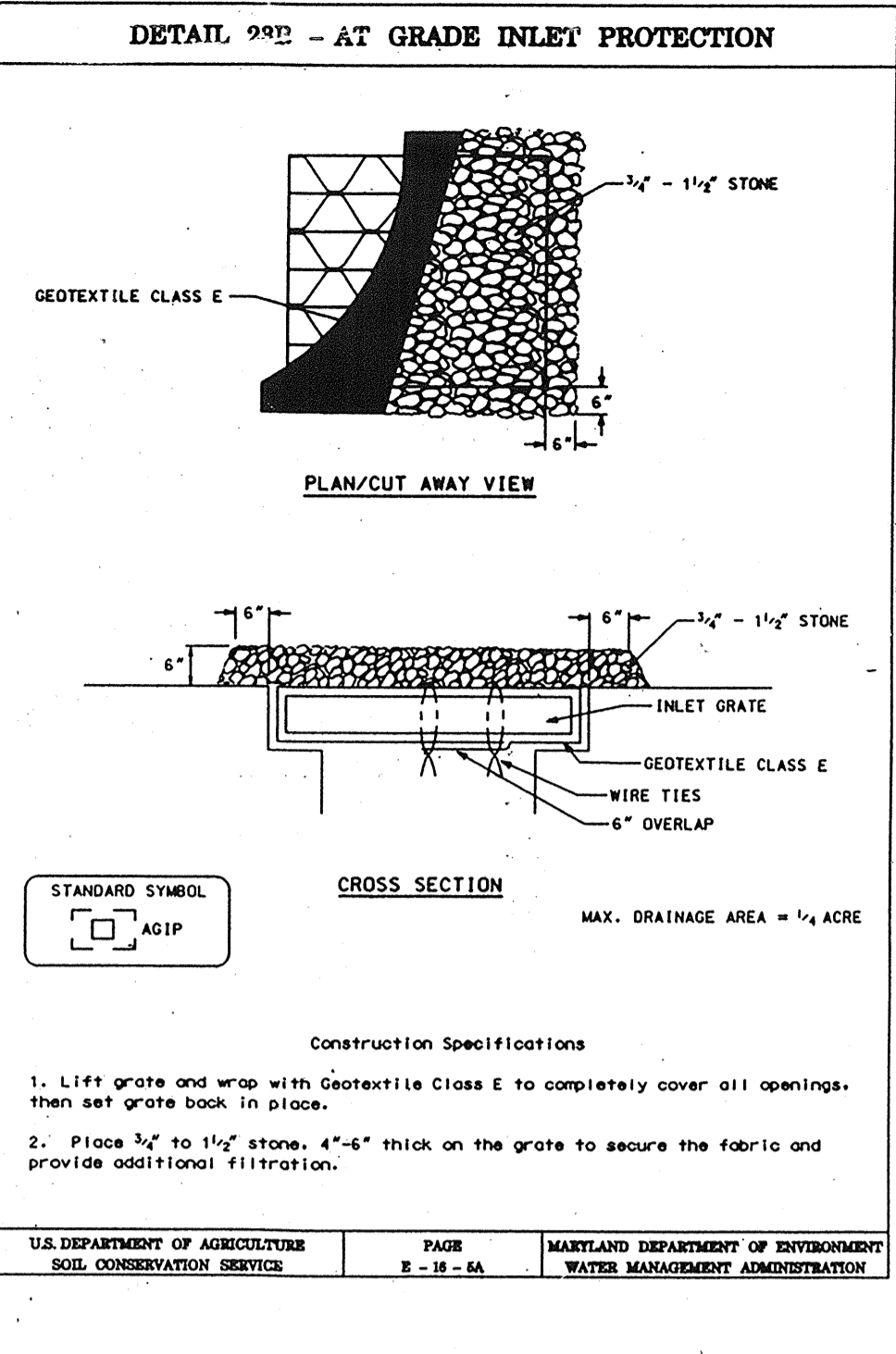
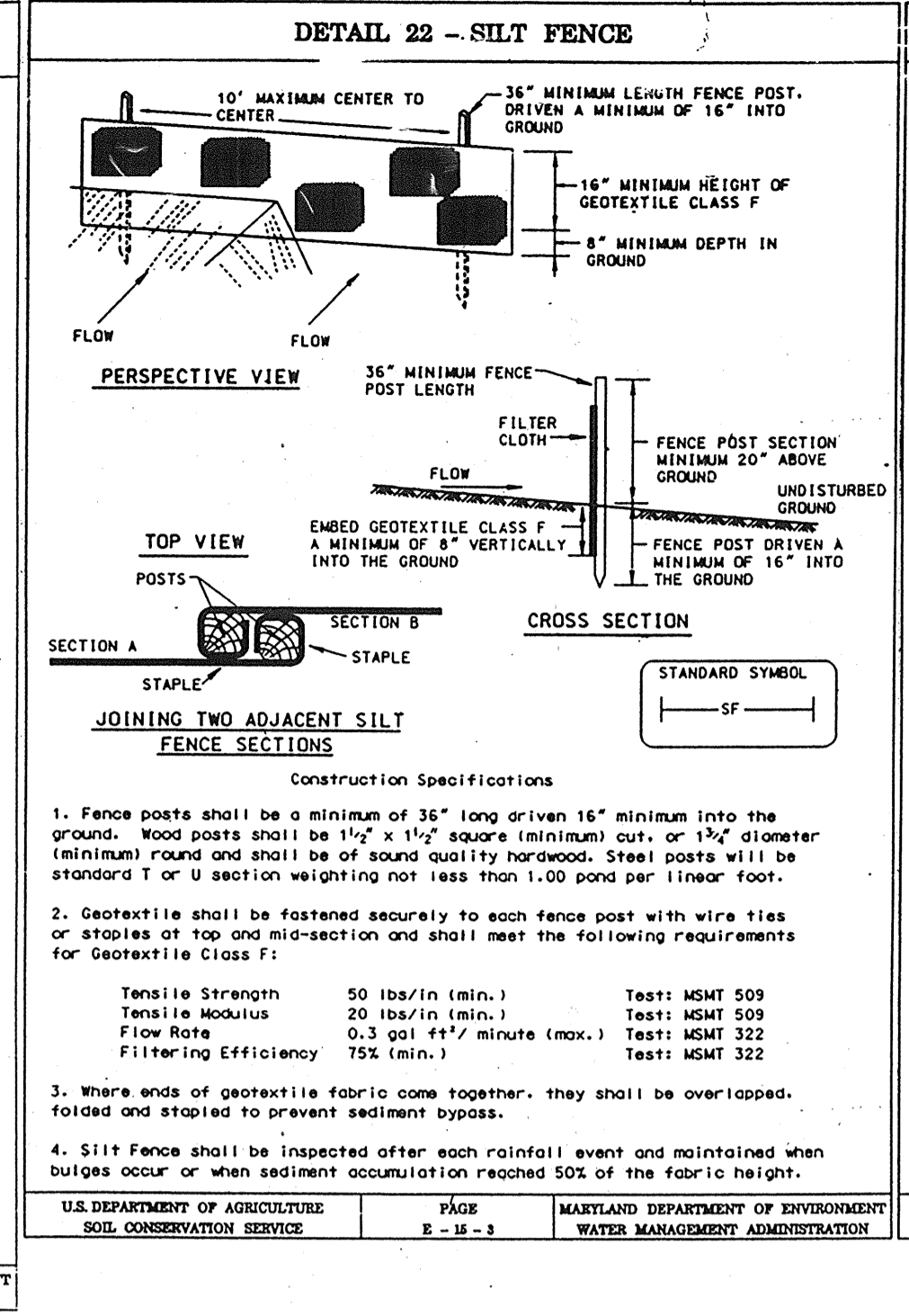
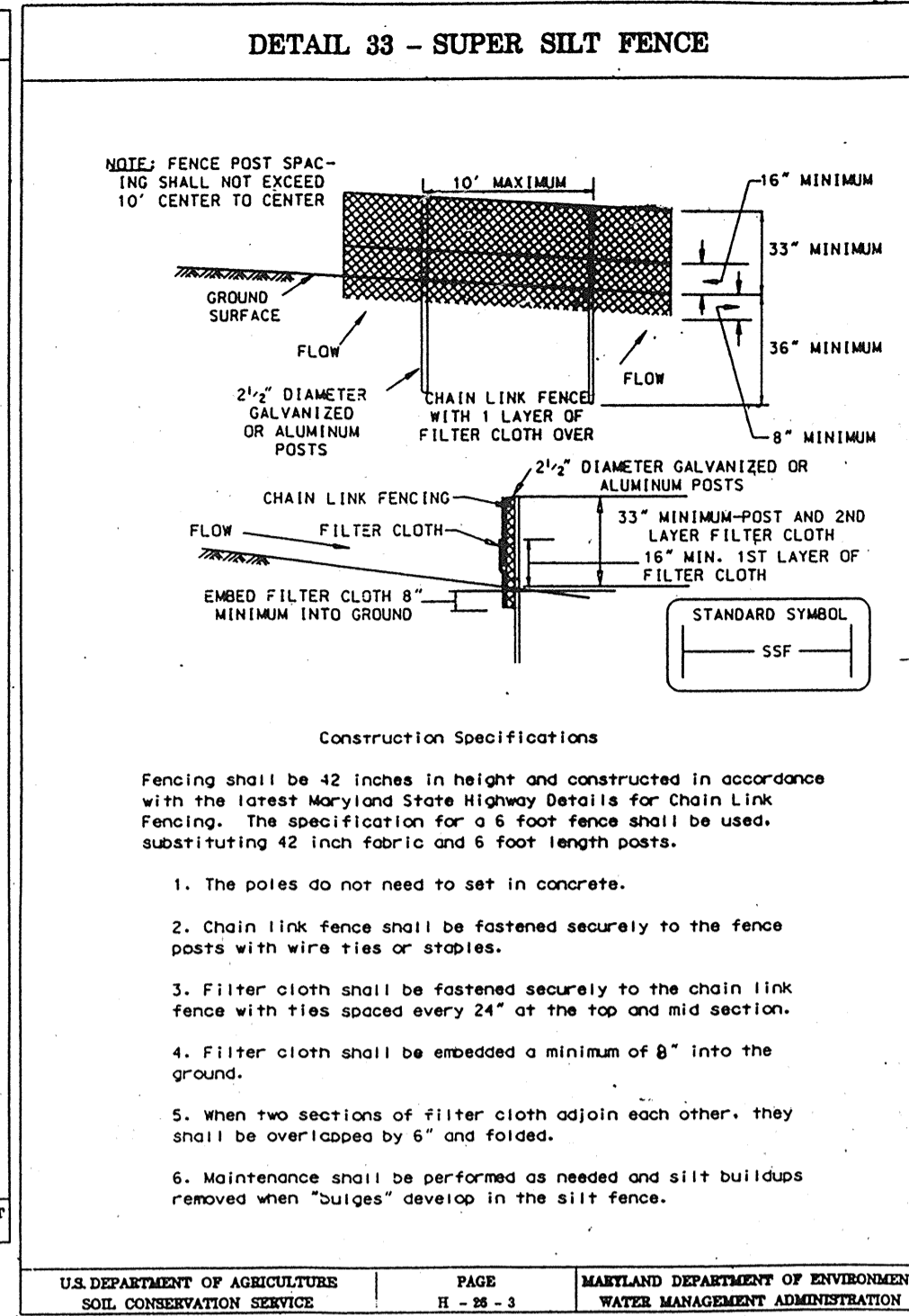
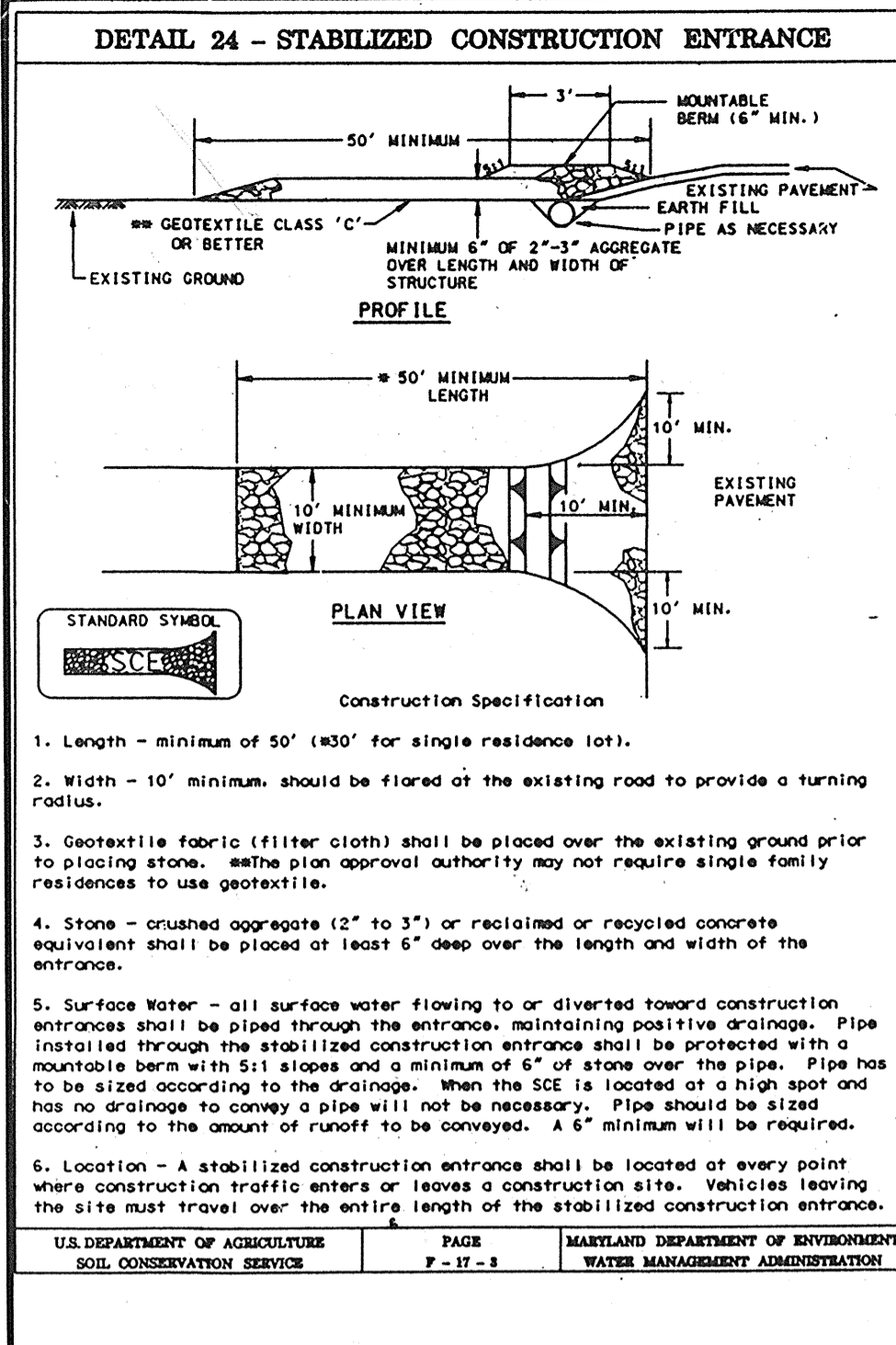
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

*Mark D. Taylor* 2/15/95  
DIRECTOR DATE

*Jim Schwab* 2/23/95  
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

*Chris Williams* 2/23/95  
CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH DATE





### STORM DRAIN COMPUTATIONS (FUTURE CONDITIONS)

FROM	TO	HC AREA	TOTAL AREA	C	CVA	SUM	TIME (HRS)	DES. VELOCITY	DES. DEPTH	DES. DIAMETER	VELOCITY (FT/SEC)	LENGTH (FEET)	REMARKS
I-1	I-2	1.00	1.00	0.91	0.91	0.91	5.0	4.38	0.65	18	3.5	15	SALE AS
I-2	I-3	0.94	0.94	0.96	0.96	0.96	5.0	4.38	0.65	18	3.5	15	SUMP
I-3	I-4	1.54	1.54	1.11	1.11	1.11	5.0	4.38	0.65	18	3.5	15	SUMP
I-4	E-2	2.49	2.49	0.81	0.81	0.81	5.0	4.38	0.65	18	3.5	15	SUMP

**HYDRAULIC GRADIENT**

STATION	ELEVATION	DEPTH	VELOCITY	REMARKS
I-1	111.25	1.00	3.5	SALE AS
I-2	111.25	1.00	3.5	SUMP
I-3	111.25	1.00	3.5	SUMP
I-4	111.25	1.00	3.5	SUMP
E-2	111.25	1.00	3.5	SUMP

### SEDIMENT CONTROL DETAILS & SPECS.

**PROPOSED LOADING AREA PAVEMENT EXPANSION**

**D&H DISTRIBUTING CO.**  
**8220 WELLMOOR CT.**  
**HOWARD COUNTY, MD**  
**6TH ELECTION DIST.**  
**DEED REF: L-555-F-731**  
**L-555-F-731**  
**S.D.P. 95-80**

TRADING AS:  
**SPECTOR FAMILY, LLC**  
**H.E.C. J.O. NO. 05008**

DATE: 3/31/04  
 DATE: 2/23/95  
 SHEET 3 OF 4

### TEMPORARY SEEDING NOTES

APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE REDISTRIBUTED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.

**SEEDING PREPARATION:** LOOSEN UPPER THREE INCHES OF SOIL BY BAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.

**SOIL AMENDMENTS:** IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF THE FOLLOWING SCHEDULES:

- PREFERRED:** APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS/1000 SQUARE FT.) AND 400 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS/1000 SQ. FT.) BEFORE SEEDING. HARDEN OR DISC INTO UPPER THREE INCHES OF SOIL. AT TIME OF SEEDING, APPLY 400 LBS PER ACRE 30-0-0 UREA/NITROGEN FERTILIZER (5 LBS/1000 SQ. FT.).
- ACCEPTABLE:** APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS/1000 SQ. FT.) AND 1000 LBS PER ACRE 10-10-10 FERTILIZER (23 LBS/1000 SQ. FT.) BEFORE SEEDING. HARDEN OR DISC INTO UPPER THREE INCHES OF SOIL.
- SEEDING:** FOR PERIODS MARCH 1 THRU APRIL 30 AND AUGUST 1 THRU OCTOBER 15, SEED WITH 40 LBS PER ACRE (1.4 LBS/1000 SQ. FT.) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 THRU JULY 31, SEED WITH 60 LBS PER ACRE (2.1 LBS/1000 SQ. FT.) OF KENTUCKY 31 TALL FESCUE PER ACRE (6 LBS/1000 SQ. FT.) OF KEEPING LOVEGRASS. DURING THE PERIOD NOVEMBER 16 THRU FEBRUARY 28, PROTECT SITE BY APPLYING 2 TONS PER ACRE OF WELLS ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OR USE SOIL.
- MULCHING:** APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS/1000 SQ. FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL, OR 216 GALLONS PER ACRE (5 GAL/1000 SQ. FT.) OF UNCRUSHED ASPHALT ON FLAT AREAS, ON SLOPES, 8 FT. OR HIGHER, USE 348 GALLONS PER ACRE (8 GAL/1000 SQ. FT.) FOR ANCHORING.
- MAINTENANCE:** INSPECT ALL SEEDING AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.

### ENGINEER'S CERTIFICATE

"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."

**HOWARD SOIL CONSERVATION DISTRICT**  
 DONALD E. HICKS, P.E.  
 DATE: 12/13/95

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**SPECTOR FAMILY LLC**  
**JAYARR ASSOCIATES**  
 HARRY SPECTOR 2/21/04  
 JAMES SCHWAB 4/18/95  
 DATE: 12/13/95

### APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

**HOWARD COUNTY OFFICE OF PLANNING AND ZONING**  
 DATE: 2/3/96  
 DATE: 12/15/95  
 DATE: 2/19/96

### ADDRESS CHART

LOT NO.	STREET ADDRESS	PLAT No. OR L/F	BLOCK No.	ZONE	TAX/ZONEMAP/ELECT. DIST.	CENSUS TR.
PARCEL A BLOCK A	8220 WELLMOOR COURT	2514	1	M-2	48	G
PARCEL B BLOCK B	8215 WELLMOOR COURT	2514	1	M-2	48	G

### REVISION

NO.	REVISION	DATE
3	FUTURE WAREHOUSE	3/31/04
	TO PROPOSED:	
	GENERAL PLAN REVISION	3/31/04

### SEDIMENT CONTROL DETAILS & SPECS.

**PROPOSED LOADING AREA PAVEMENT EXPANSION**

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**8220 WELLMOOR CT.**  
**HOWARD COUNTY, MD**  
**6TH ELECTION DIST.**  
**DEED REF: L-555-F-731**  
**L-555-F-731**  
**S.D.P. 95-80**

TRADING AS:  
**SPECTOR FAMILY, LLC**  
**H.E.C. J.O. NO. 05008**

DATE: 3/31/04  
 DATE: 2/23/95  
 SHEET 3 OF 4

### HICKS ENGINEERING CO., INC.

ENGINEERS, SURVEYORS & PLANNERS  
 200 EAST JOPPA ROAD - SUITE 402  
 TOWSON, MARYLAND 21286

DATE: 12/13/95  
 DONALD E. HICKS, P.E.

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PARCEL A BLOCK A	8220 WELLMOOR COURT	2514	1	M-2	48	G
PARCEL B BLOCK B	8215 WELLMOOR COURT	2514	1	M-2	48	G

### REVISION

NO.	REVISION	DATE
3	FUTURE WAREHOUSE	3/31/04
	TO PROPOSED:	
	GENERAL PLAN REVISION	3/31/04

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