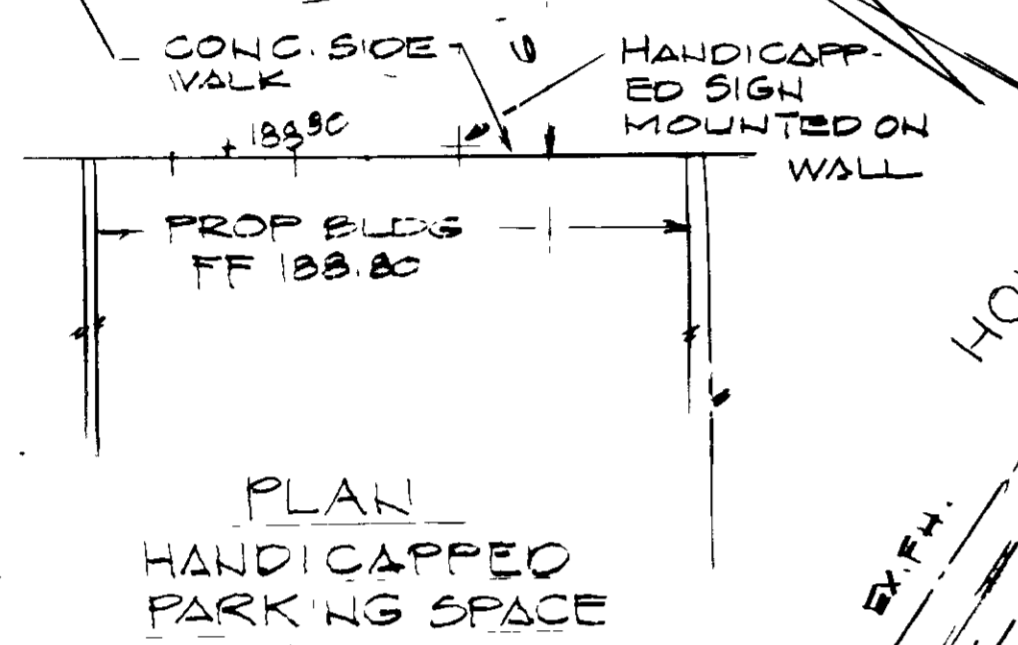
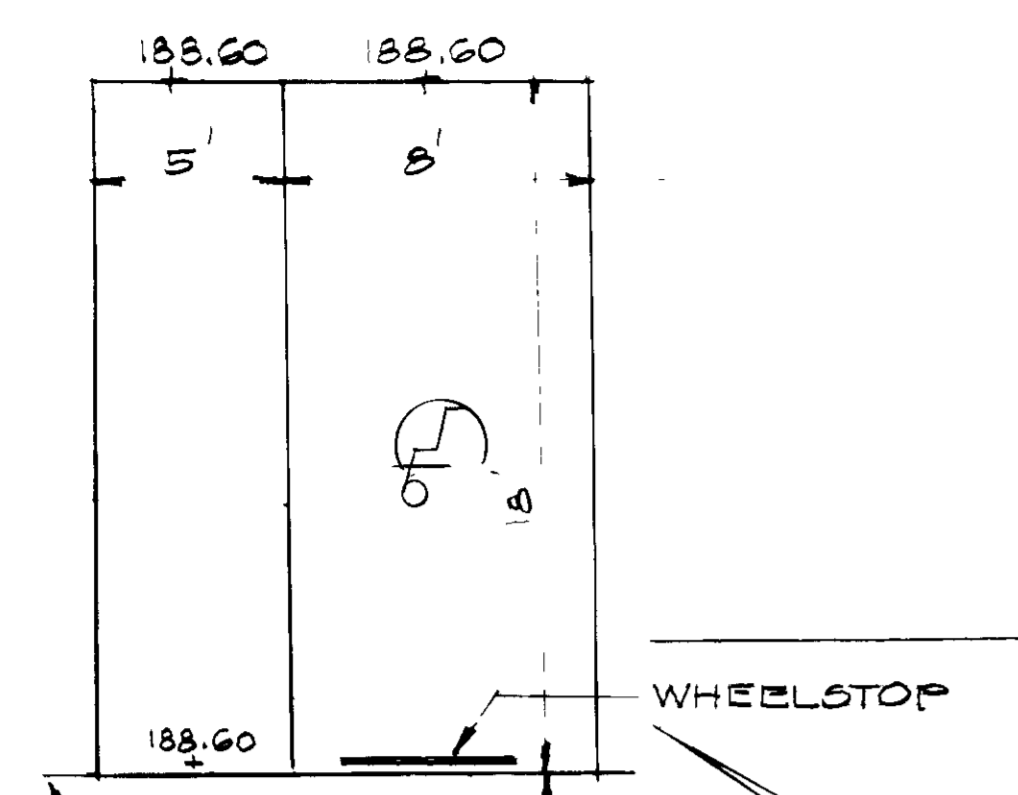
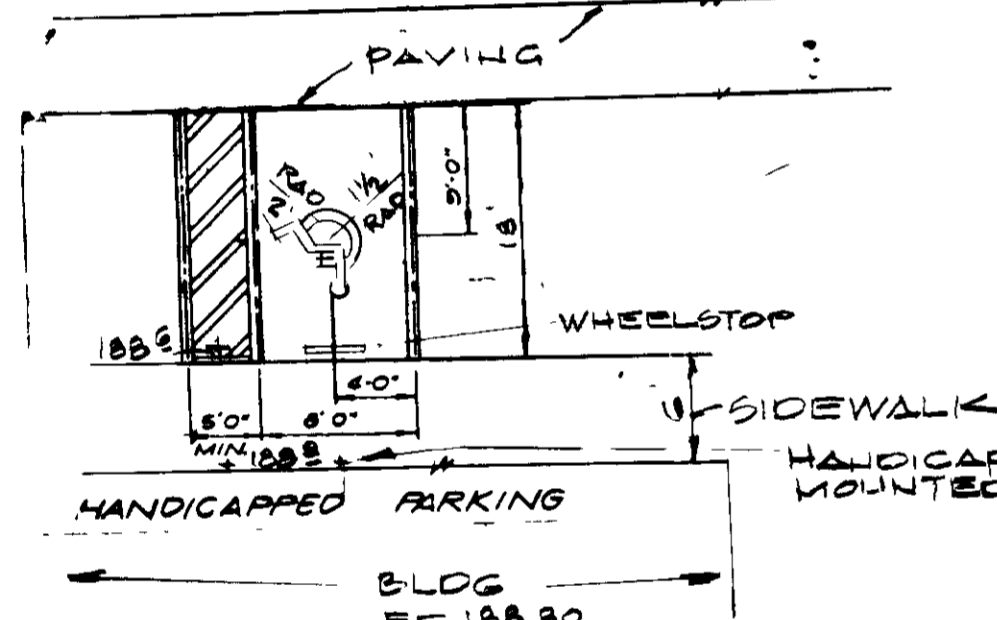


SECTION NUMBER	ROAD AND STREET CLASSIFICATION	FINISH MATERIALS	
		FULL DEPTH BIT CONC. ALTERNATE	UNUSUAL BASE ALTERNATES
P-1	PARKING AREAS AND TRAVELWAYS APARTMENTS AND COMMERCIAL INDUSTRIAL ZONES WITH NO HEAVY TRUCKS	1" BIT CONC. SURFACE 4" BIT CONC. BASE	1" BIT CONC. SURFACE 2" BIT CONC. BASE PRIME 1" NUMBER RUN BRSE COURSE 3" 4" DOME GRADED STABILIZED AGGREGATE BASE COURSE



**SPECIFICATION**  
 2. Mounting  
 Above sign shall be mounted directly below the standard R7-8 Reserved Parking for Handicapped sign. Its bottom edge shall be no less than 7 feet above ground. If the sign is placed against a building, structure, or other location where vehicle or pedestrian traffic is not obstructed the bottom edge of sign shall be at least 6 feet but not more than 10 feet above ground. Because this is in addition to existing sign installations, some adjustment in height will be necessary.



TREE	COMMON NAME	HEIGHT	GALFIPER	SPACING	SYMBOL
PINUS STROBUS	WHITE PINE	E	5'-6"	2 1/2'	1
PINUS SYLVESTRIS	SCOTCH PINE	E	5'-6"	2 1/2'	2
FRAXINUS GULLERYANA 'BREARFORD'	BRADFORD PEAR	O	4'-5"	2 1/2'	3
PRUNUS YEDO	YOSHINO CHERRY	O	4'-5"	2'	4
CORNUS RACMOSEA	GRAY DOGWOOD	O	4'-5"	2'	5

**APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.**  
 HOWARD COUNTY HEALTH DEPARTMENT  
 COUNTY HEALTH OFFICER: [Signature] DATE: 1-30-89

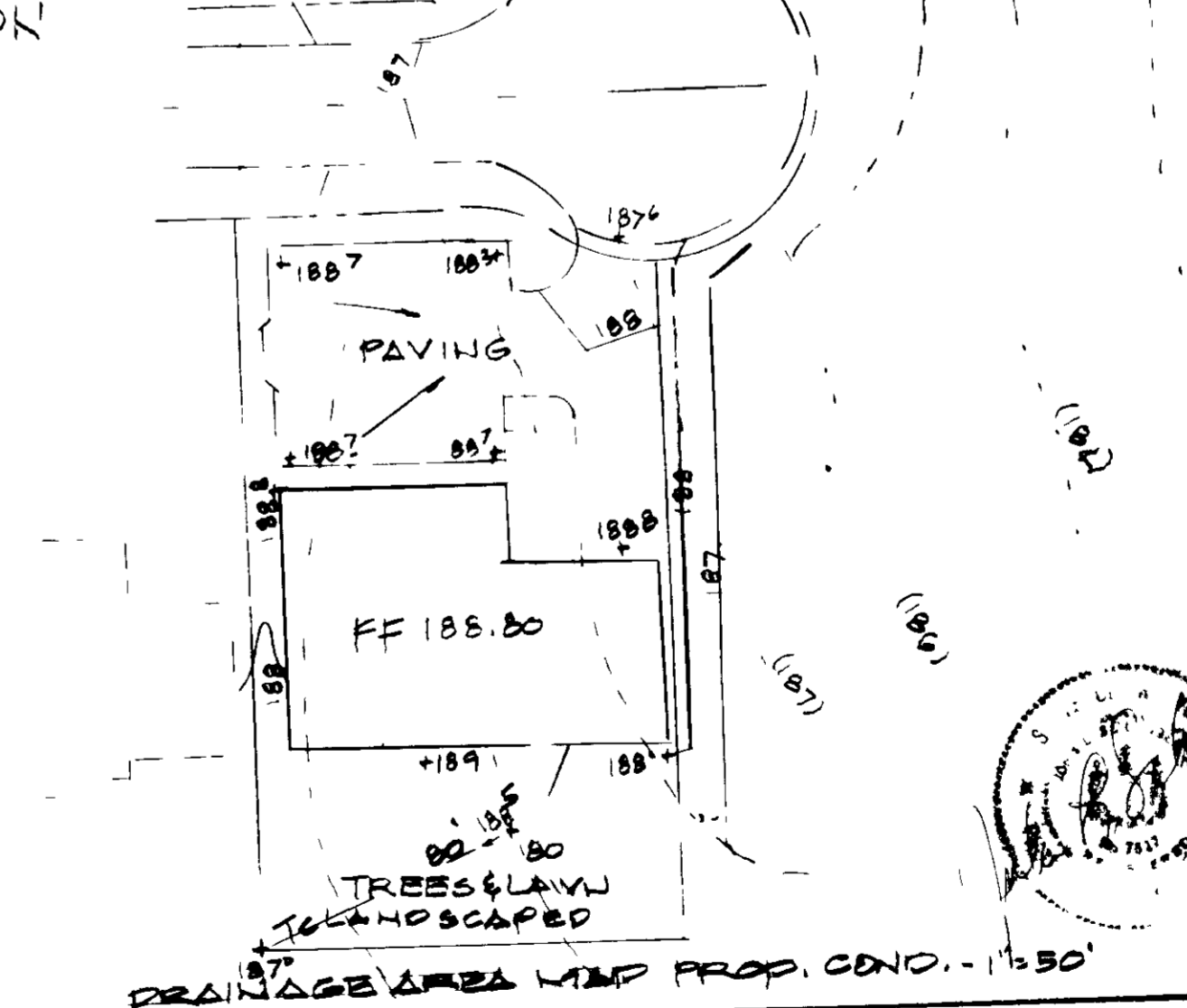
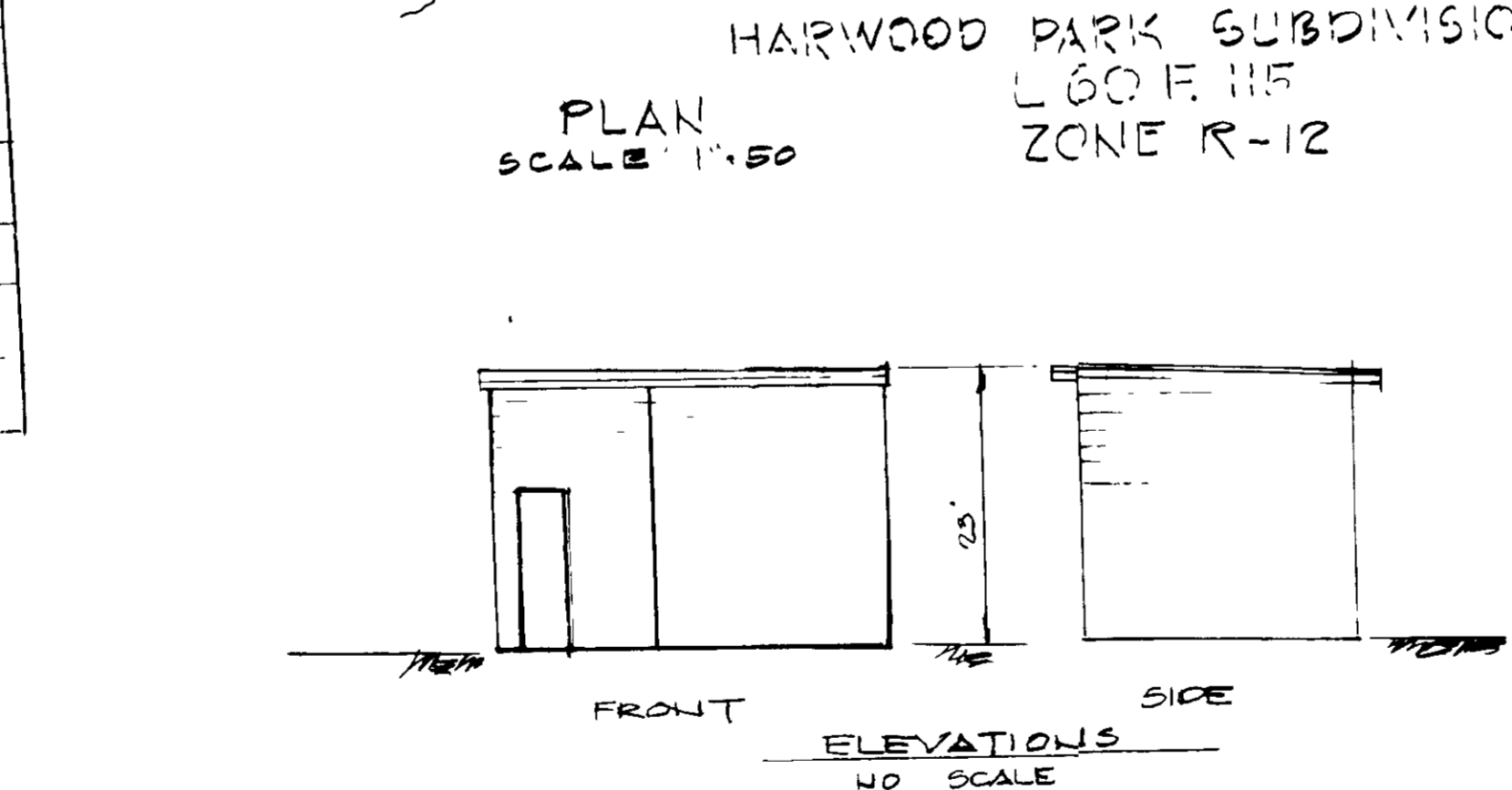
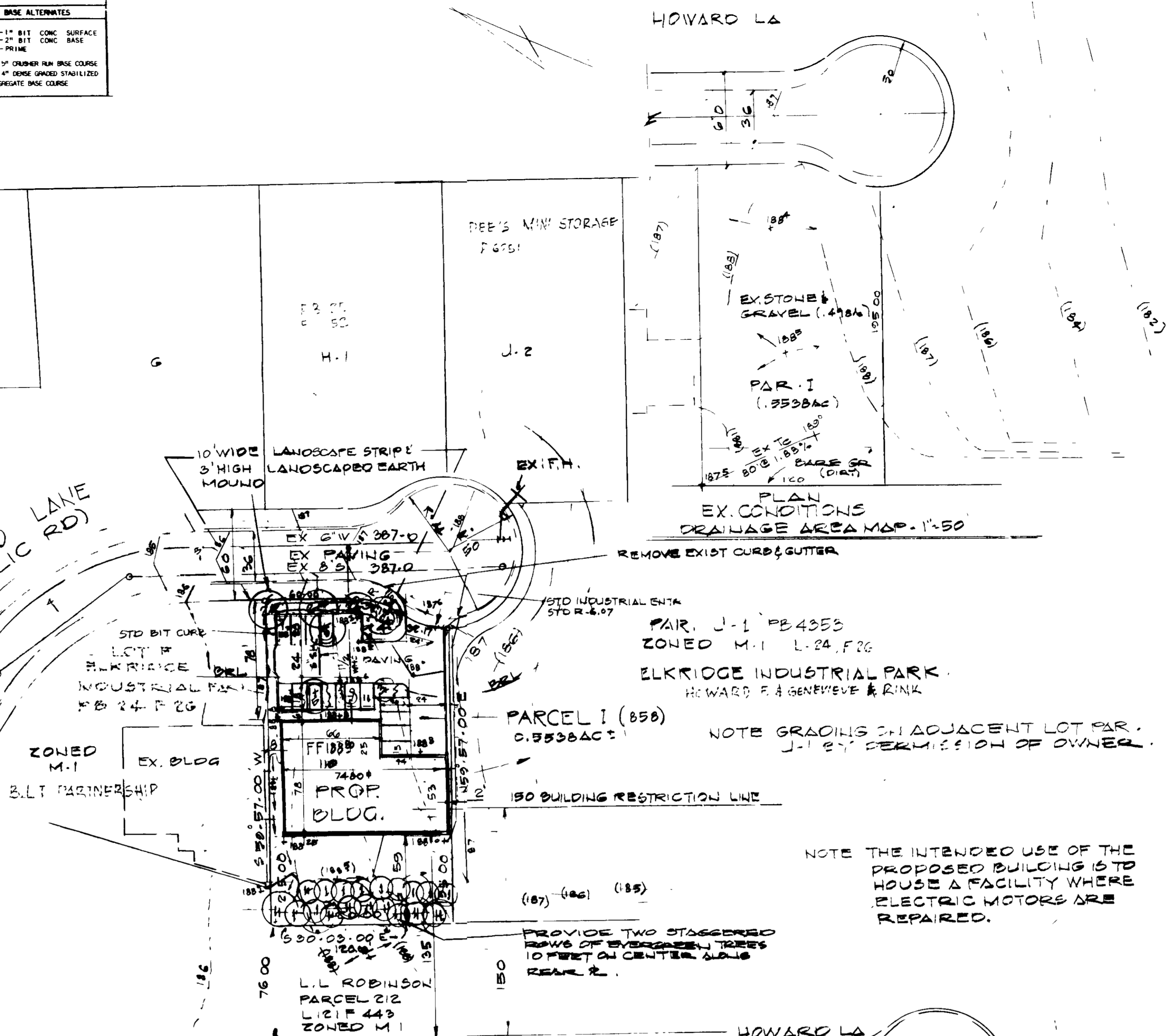
**APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING**  
 DIRECTOR: [Signature] DATE: 2-14-89

**APPROVED: DIVISION OF COMMUNITY PLANNING DATE AND LAND DEVELOPMENT**  
 CHIEF: [Signature] DATE: 2-8-89

**APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS**  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 DIRECTOR: [Signature] DATE: 1-26-89

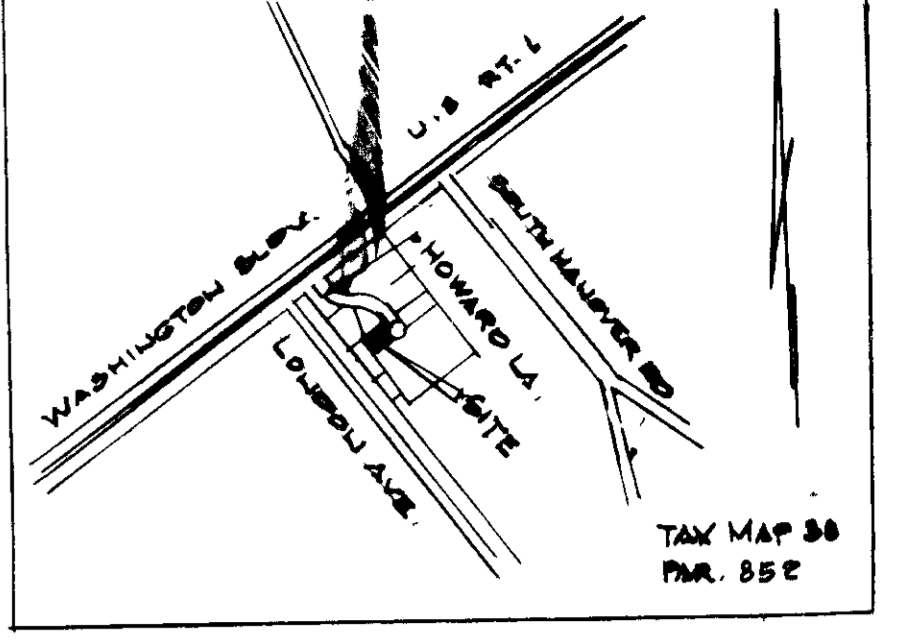
**APPROVED: CHIEF BUREAU OF ENGINEERING DATE**  
 [Signature] DATE: 1-24-89

**APPROVED**  
 12-16-88



SUBDIVISION NAME	SECTION / AREA	LOT NO. OR PARCEL NO.
ELKRIDGE INDUSTRIAL PARK	SEC. 3	PARCEL 1
PLAT NO.	BLOCK NO.	ZONE
13	13	M-1
TAX / ZONE MAP	ELECTRIFICATION	
25	1	
WATER CODE	SEWER CODE	
A-01	215220B	

LOT NUMBER	STREET ADDRESS
PARCEL I	8340 HOWARD LANE



BENCH MARK: WRA BM 100 EL. 165.42  
 DESCRIPTION: RAILROAD SPIKE IN GEE COLE NO 17E 880 SEC. OF WASHINGTON BLVD. & LOUDON AVE

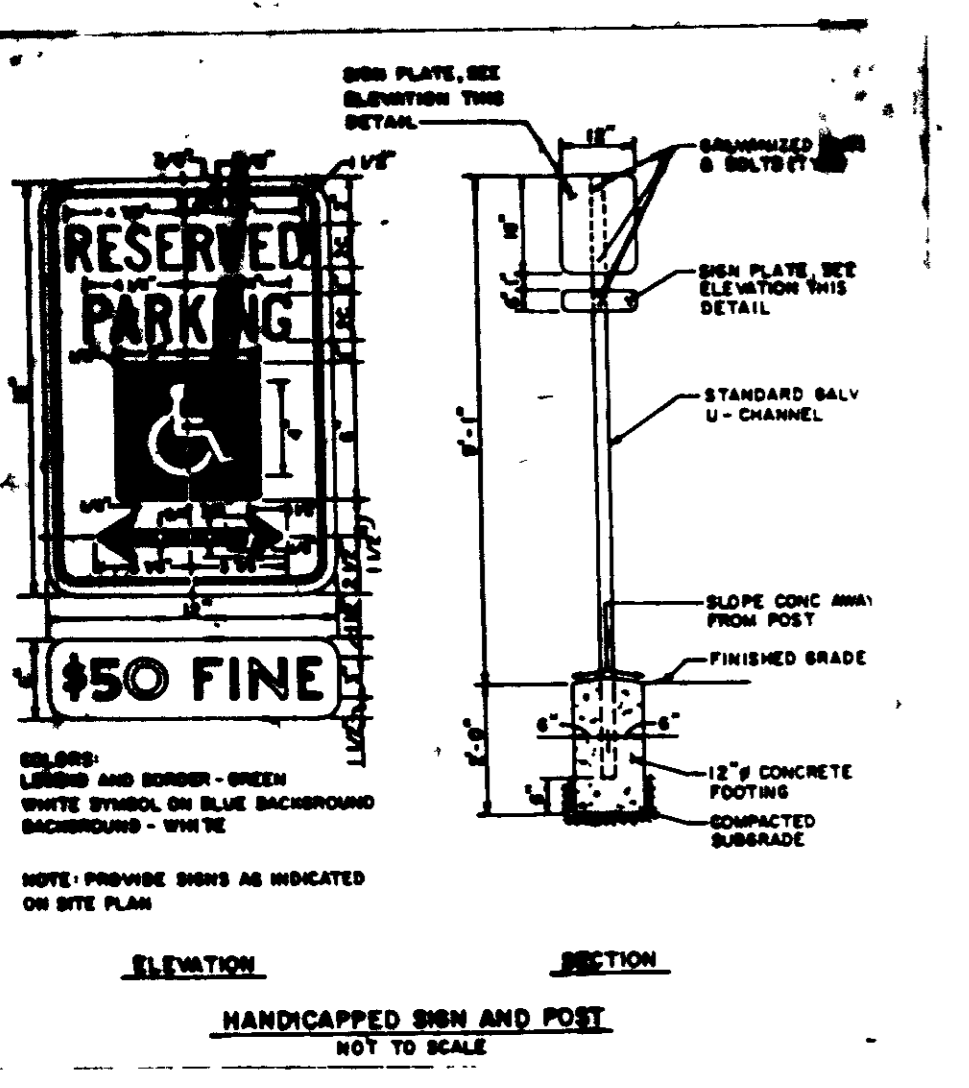
- GENERAL NOTES:**
- AREA OF SITE: 0.5528 AC
  - AREA OF SUBMISSION: 0.5528 AC
  - PARCEL OR PLAT REF.: PAR. I - PLAT 2552 ELKRIDGE IND. PK.
  - OWNER/DEVELOPER: RICHARD & SARAH BALLING RT 2 BOX 731-H CHESTER MD. 21619
  - ZONING CLASSIFICATION: M-1
  - TAX MAP: 25 TAX MAP 38
  - SITE USE: PROPOSED MOTOR REPAIR & SERVICE
  - PUBLIC WATER AND SEWER: RT 2 BOX 731-H CHESTER MD. 21619
  - DENSITY CALCULATIONS:
 

	60 FT.	AC.	PERCENT %
A. AREA OF SITE	24.96	0.5528	2.21%
B. BUILDING COVERAGE	7500	0.136	0.54%
C. PAVING	7500	0.136	0.54%
D. OPEN SPACE	7200	0.130	0.51%
  - CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES.
  - DEVELOPER SHALL REPAIR ANY DAMAGE TO COUNTY RAW OR PAVING CAUSED BY WORK ON THIS PROJECT. COST OF REPAIR SHALL BE AT DEVELOPER'S EXPENSE.
  - NOTIFY CO. DEPARTMENT OF PERMITS & INSPECTIONS PRIOR TO BEGINNING WORK.
  - PARKING ANALYSIS:
 

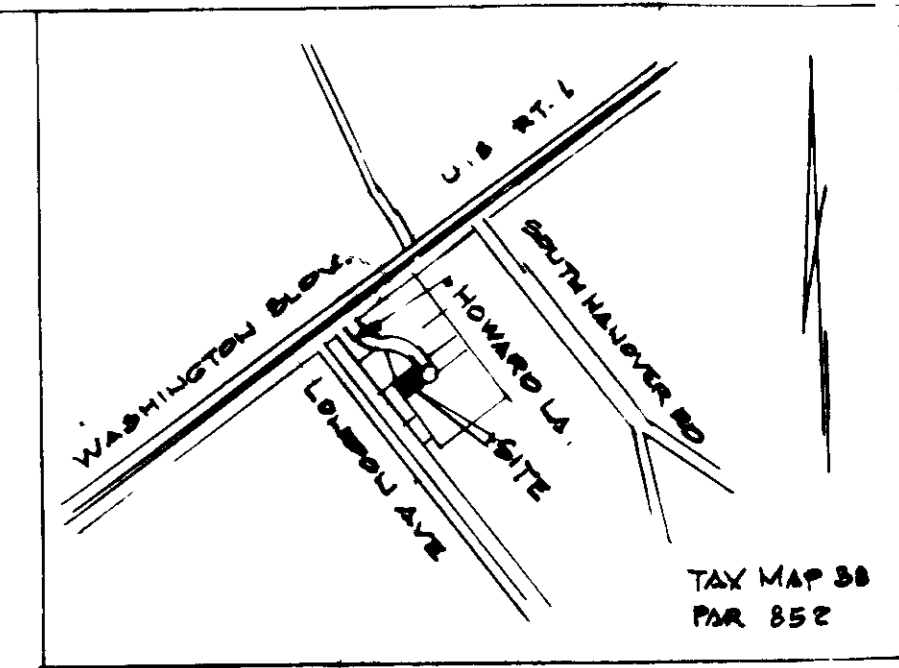
	AREA	14.96 AC	15.25 AC
A. PARKING SPACES REQUIRED	14.96	15.25	
B. PARKING SPACES SHOWN	15		
  - REQUIRED 150' DRL FROM R-10 ZONE REDUCED TO 100' BY ADMINISTRATIVE LETTER DATED MAY 17, 1988 SEC. 44-88-03.
  - A. AREA OF THE PARKING LOT: 15.25 AC  
 B. 5% OF 15.25 AC = 0.7375 AC LANDSCAPED ISLAND  
 C. LANDSCAPED ISLANDS SHOWN: 2 TREES @ 3.23%
  - PREVIOUS RELATED PLAN FILE NOS:  
 a. PARCEL I - PLAT 2552 ELKRIDGE IND. PK.  
 b. PARCEL J-1-P.D. 4353 ELKRIDGE IND. PK.  
 c. SEC. 3 F73-23

**SITE DEVELOPMENT PLAN**  
 PROP. 110' x 78' x 53' MOTOR REPAIR BLDG.

SECTION 3, PARCEL I (.5528AC)  
 HOWARD LANE  
 ELKRIDGE INDUSTRIAL PARK  
 P.D. 2552  
 1ST. DIST. HO. CO. MD.  
 SCALE 1"=50' 3-27-88  
 TAX MAP 38 PARCEL 552  
 OWNER: RICHARD & SARAH BALLING  
 ROUTE 2 BOX 731-H  
 CHESTER MD. 21619  
 PLAT BY: LAND DEVELOPMENT CONSULTANTS  
 37 MT. GREEN CIR.  
 BALTO. MD 21207  
 266-6543



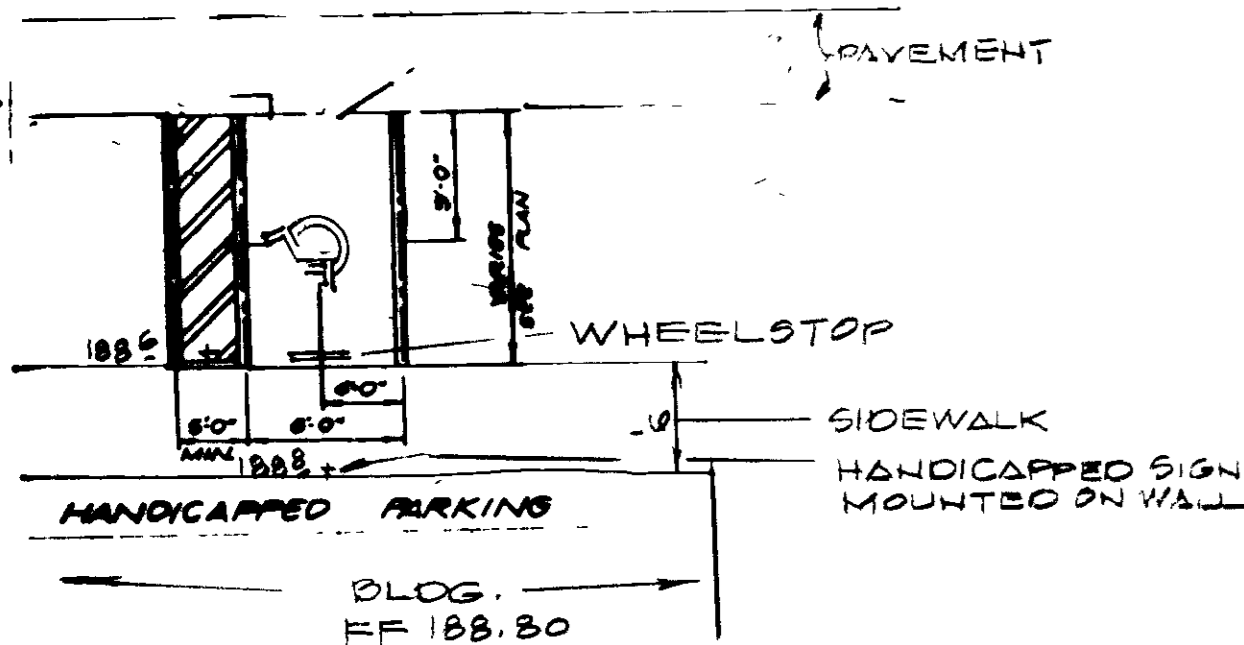
SECTION NUMBER	ROAD AND STREET CLASSIFICATION	PAVEMENT MATERIALS	SEWER PIPE ALTERNATES
P-1	PARKING AREAS AND TRAVELWAYS APARTMENTS AND COMMERCIAL-INDUSTRIAL ZONES WITH NO HEAVY TRUCKS	FULL DEPTH BIT. CONC. ALTERNATE 1" BIT CONC. SURFACE 4" BIT CONC. BASE	12" BIT CONC. SURFACE 24" BIT CONC. BASE 12" CRUSHED RAIN PIPE COURSE OR 4" CORSE GRADED STABILIZED AGGREGATE BASE COURSE



VICINITY MAP  
SCALE: 1" = 600'

11. Mounting  
Signs shall be mounted directly below the standard R7-8 Reserved Parking for Handicapped sign. Its bottom edge shall be no less than 1 foot above ground. If the sign is placed against a building, structure, or other location where vehicle or pedestrian traffic is not obstructed the bottom edge of sign shall be at least 6 feet, but not more than 10 feet above ground because this is in addition to existing sign installations, some adjustment in height will be necessary.

PAVEMENT  
WHEELSTOP  
SIDEWALK  
HANDICAPPED SIGN MOUNTED ON WALL  
HANDICAPPED PARKING  
BLOG. EF 188.30



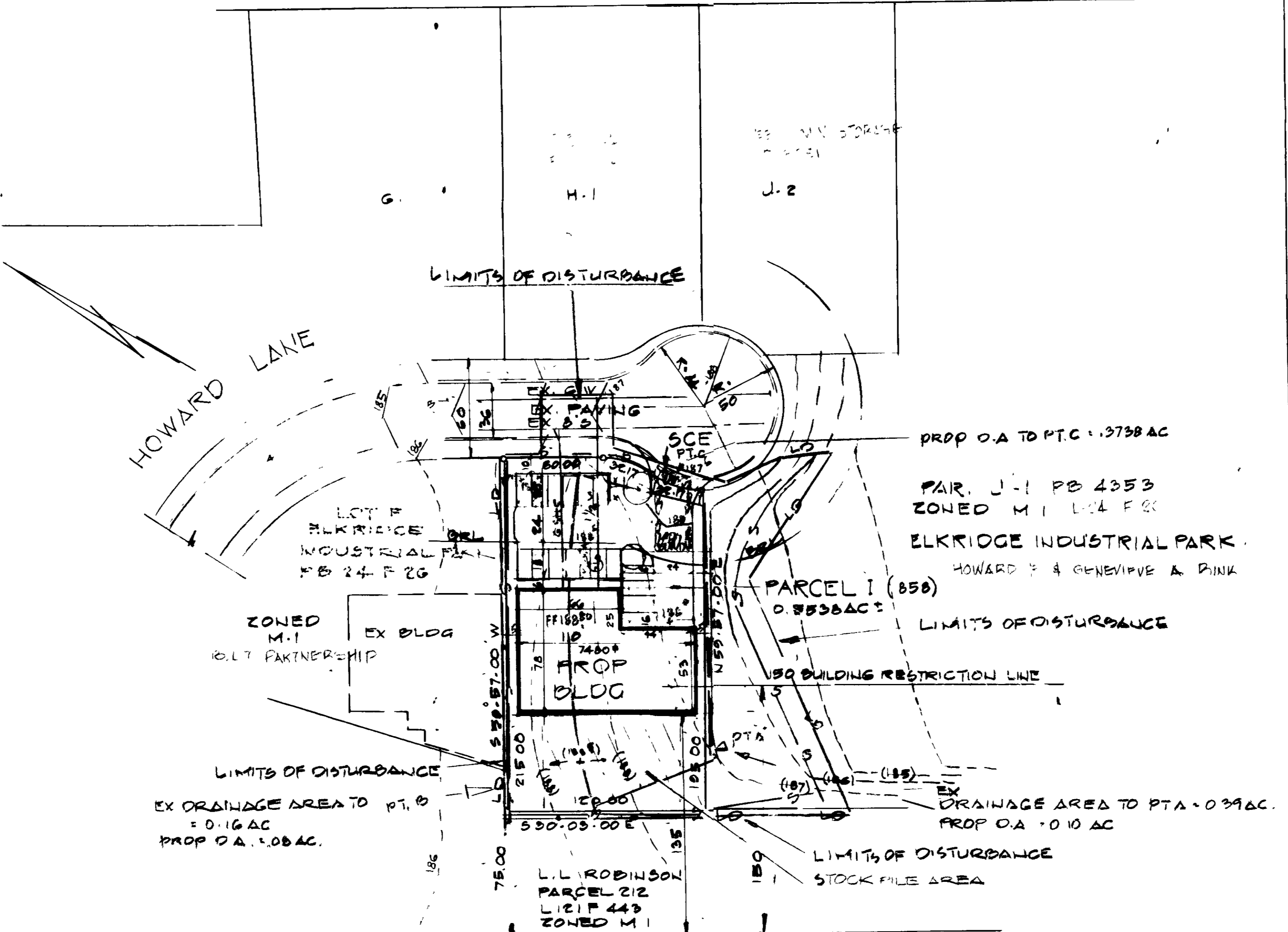
NAME	COMMON NAME	MOORING	HEIGHT	CALIPER	SPACING
PINUS STROBUS	WHITE PINE	E	5'-6"	2 1/2"	MIN. 30' CTC
PINUS SYLVESTRIS	SCOTCH PINE	E	5'-6"	2 1/2"	"
PERSEA BULLERYANA	DRADFORD PEAR	O	4'-8"	2 1/2"	AS SHOWN
PRUNUS YEDO	YOSHINO CHERRY	O	4'-8"	2"	"
CORNUS RACMOZA	GRAY DOGWOOD	O	4'-5"	2"	"

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.  
HOWARD COUNTY HEALTH DEPARTMENT  
1-30-89

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING  
2-14-89

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
1-26-89

APPROVED  
HOWARD COUNTY  
MAYOR  
12-16-88



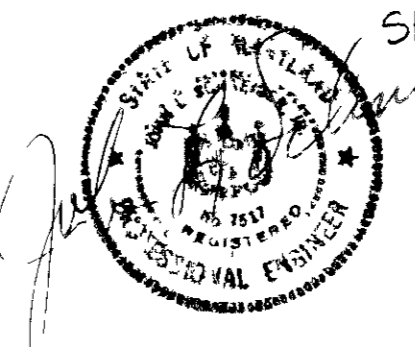
HARWOOD PARK SUBDIVISION  
L 60 F 115  
ZONE R-20  
ENTIRE SITE IS B&D BELTSVILLE SILT LOAM

- GENERAL NOTES:
- AREA OF SITE: 0.8588 AC ±
  - AREA OF SUBMISSION: 0.8588 AC ±
  - PARCEL OR PLAT REF.: PAR I PLAT 2552
  - OWNER/DEVELOPER: RICHARD & SARAH BALLING RT 2 BOX 731-H CHESTER MD 21619
  - ZONING CLASSIFICATION: M-1
  - TAX MAP 88 ZONING MAP 88
  - SITE USE PROPOSED: MOTOR REPAIR & SERVICE
  - PUBLIC WATER AND SEWER: PRIVATE WATER AND SEWER
  - DENSITY CALCULATIONS:
 

	SQ. FT.	AC	PERCENT %
A. AREA OF SITE	24,319.55	0.5583	31
B. BUILDING COVERAGE	7,480	-	31
C. PAVING	7,500	-	31
D. OPEN SPACE	7,200	-	30
  - CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES.
  - DEVELOPER SHALL REPAIR ANY DAMAGE TO COUNTY R/W OR PAVING CAUSED BY WORK ON THIS PROJECT. COST OF REPAIR SHALL BE AT DEVELOPER'S EXPENSE.
  - NOTIFY CO. DEPARTMENT OF PERMITS & INSPECTIONS PRIOR TO BEGINNING WORK.
  - PARKING ANALYSIS:
 

	PS. PER 500 SF FLOOR AREA	14.96 OR 15 PS. REQ.
A. PARKING SPACES REQUIRED	15 PS.	
B. PARKING SPACES SHOWN	15 PS.	
  - REQUIRED 150' BRL FROM R-20 ZONE REDUCED TO 135' BY ADMINISTRATIVE LETTER MAY 17, 1988 - SEE A-28-05.

SEDIMENT CONTROL PLAN  
PROP. 110' x 78' x 53' MOTOR REPAIR BLDG.



SECTION 3 PARCEL I (8588 AC)  
HOWARD LANE  
ELKRIDGE INDUSTRIAL PARK  
1ST DIST. HO CO. MD  
SCALE: 1" = 50' 2-27-88  
TAX MAP 88 PARCEL 882

OWNER: RICHARD & SARAH BALLING  
ROUTE 2 BOX 731-H  
CHESTER MD 21619

PLAT BY: LAND DEVELOPMENT CONSULTANTS  
37 MT GREEN CIR  
BALTO. MD 21207  
265-6543

SECTION/AREA	LOT NO. OR PARCEL NO.
SECTION 3	PARCEL I

LOT NUMBER	STREET ADDRESS
PARCEL I	6340 HOWARD LANE

**PERMANENT SEEDING NOTES**

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

**Seedbed Preparation:** Loosen upper three inches of soil by raking, disking or other acceptable means before seeding. **IF NOT PREVIOUSLY DONE.**

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

- 1) Preferred - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq ft) and 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft) before seeding, apply 400 lbs narrow or disc into upper three inches of soil. At time of seeding, apply 400 lbs per acre 30-0-0 ureaform fertilizer (9 lbs/1000 sq ft).
- 2) 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. Narrow or disc into upper three inches of soil.

**Seeding -** For the periods March 1 thru April 30, and August 1 thru October 15, seed with 60 lbs per acre (1.4 lbs/1000 sq ft) of Kentucky 31 Tall Fescue. For the period May 1 thru July 31, seed with 60 lbs Kentucky 31 Tall Fescue per acre and 2 lbs per acre (.05 lbs/1000 sq ft) of weeping lovegrass. During the period of October 15 thru February 28, protect site by: Option (1) 2 tons per acre of well anchored straw mulch and seed 28, protect site by: Option (2) Use sod. Option (3) Seed with 60 lbs/acre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well anchored straw.

**Mulching -** Apply 1/4 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 210 gallons per acre (.5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal/1000 sq ft) for anchoring.

**Maintenance -** Inspect all seeded areas and make needed repairs, replacements and reseedings.

**TEMPORARY SEEDING NOTES**

Apply to graded or cleared areas likely to be redistributed where a short-term vegetative cover is needed.

**Seedbed Preparation:** Loosen upper three inches of soil by raking, disking or other acceptable means before seeding. **IF NOT PREVIOUSLY DONE.**

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

**Seeding:** For periods March 1 thru April 30 and from August 15 thru November 15, seed with 2 1/2 bushel per acre of annual rye (3.2 lbs/1000 sq ft). For the period May 1 thru August 14, seed with 3 lbs per acre of weeping lovegrass (.07 lbs/1000 sq ft). For the period November 15 thru February 28, protect site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring, or use sod.

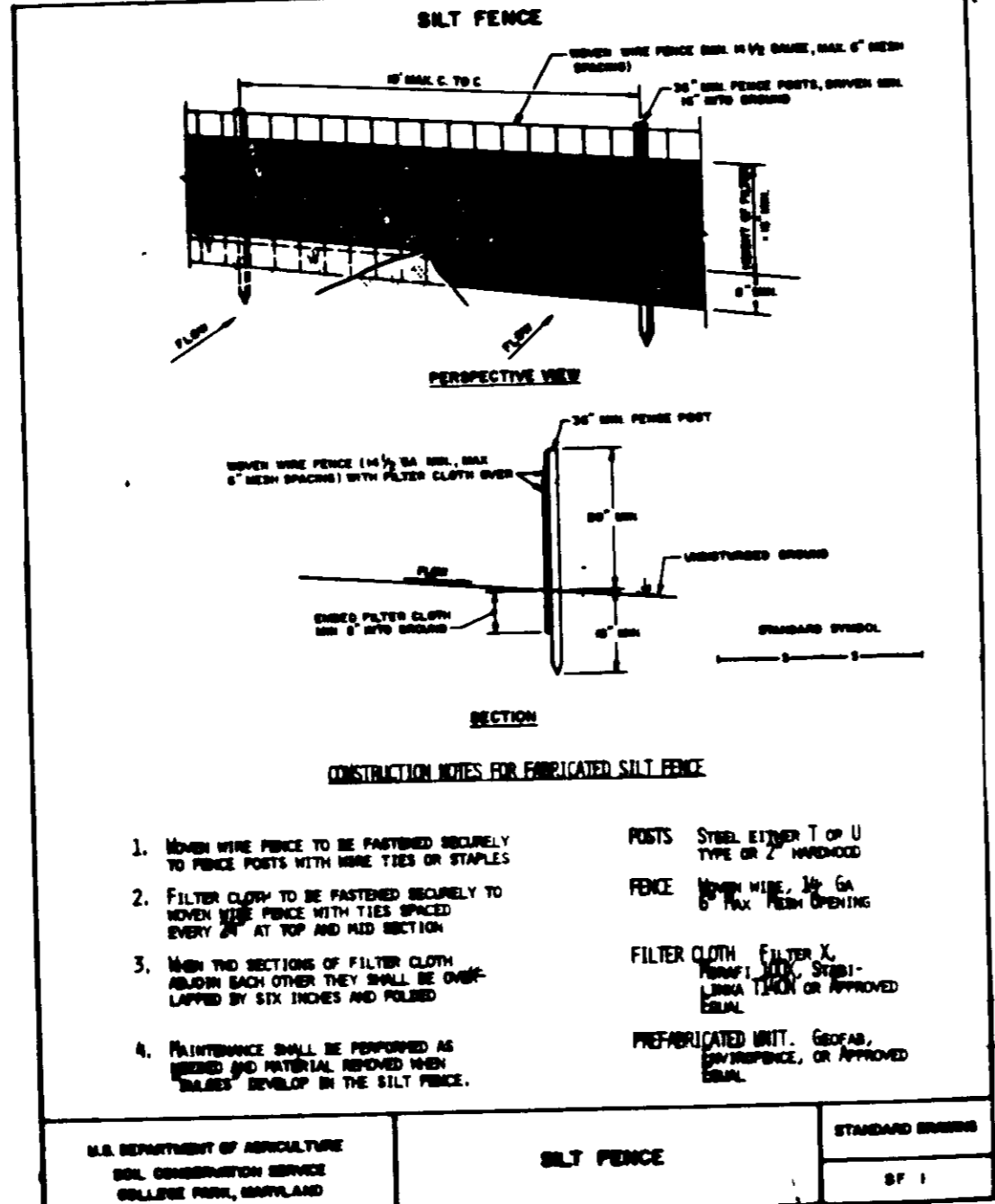
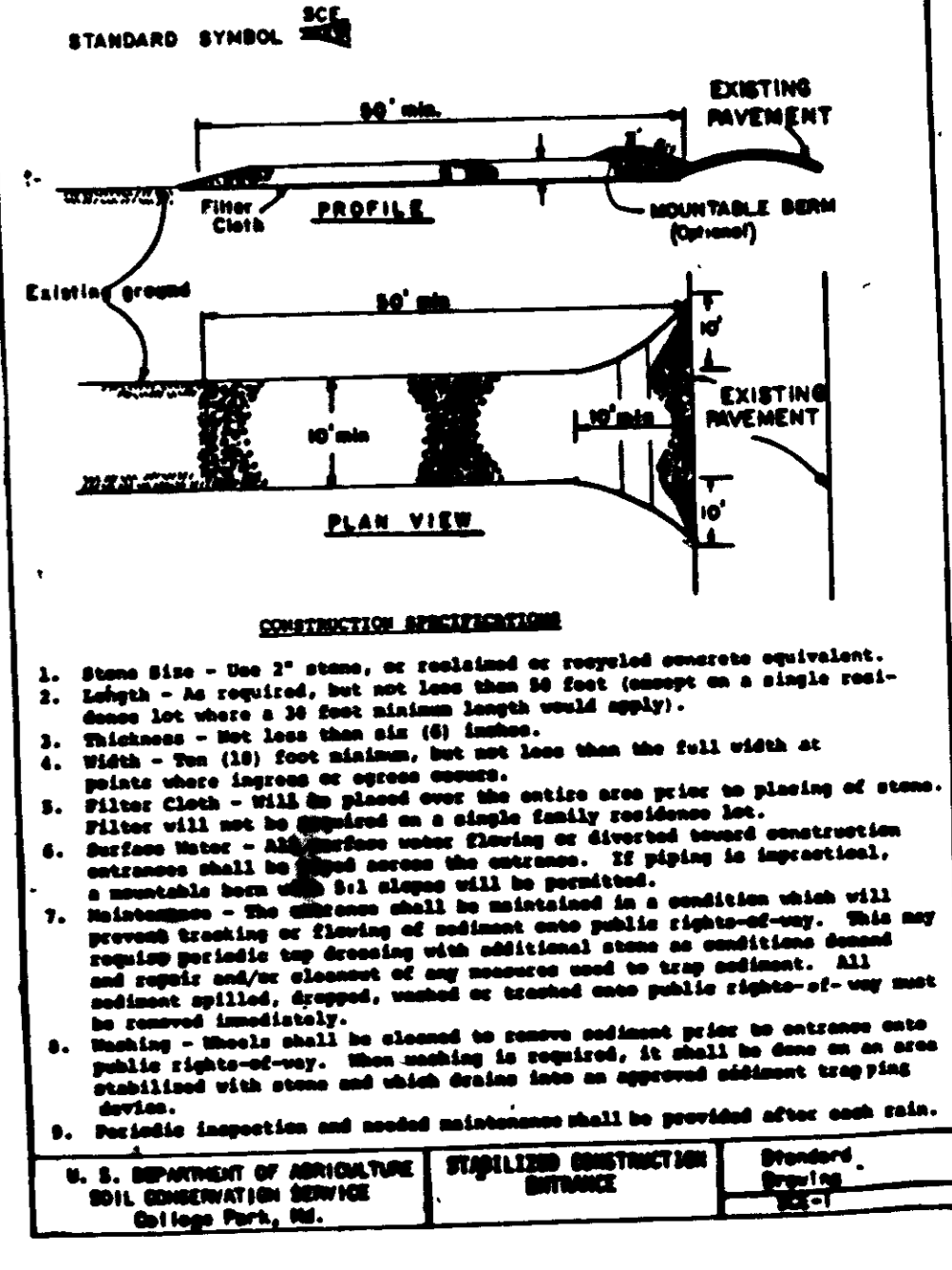
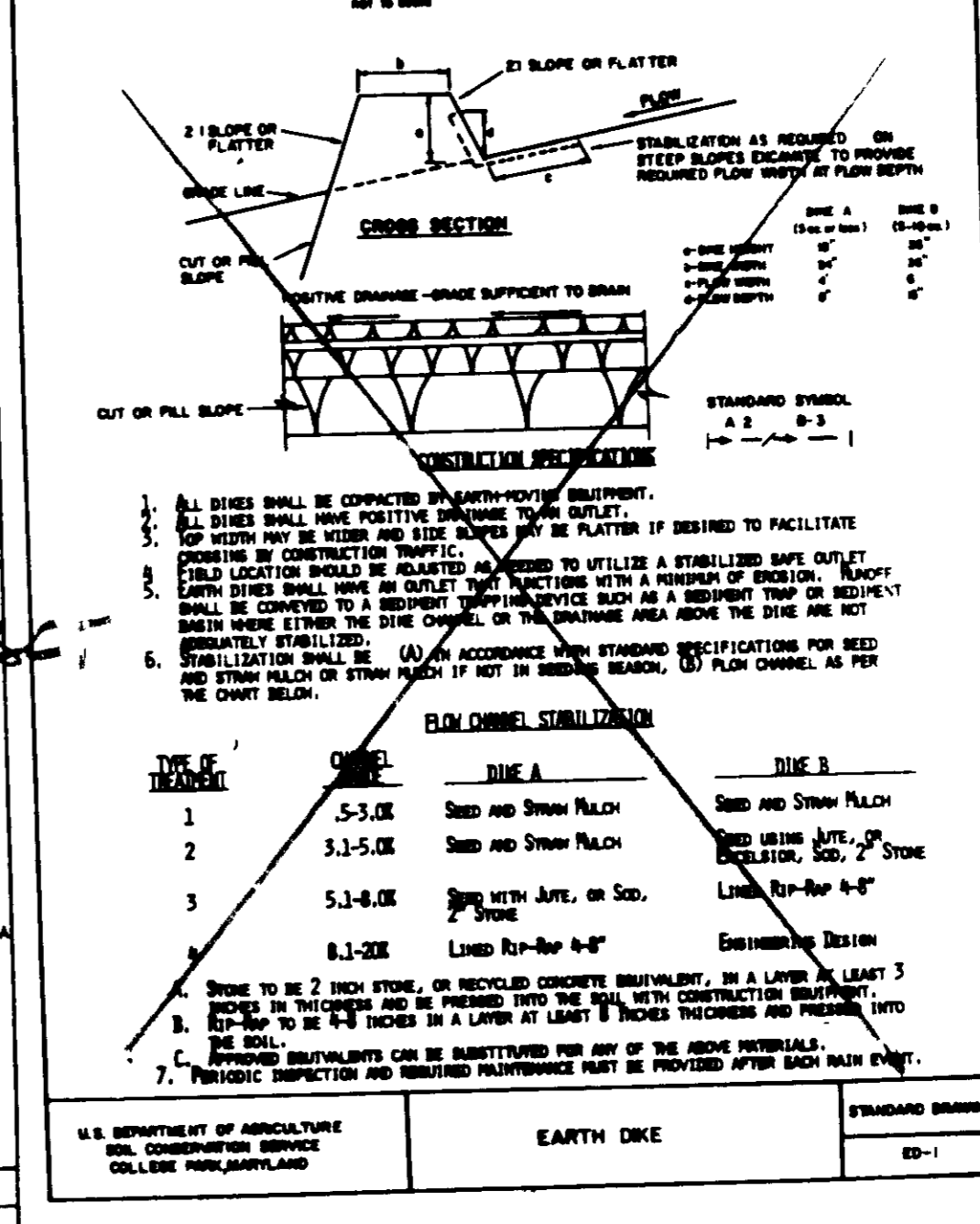
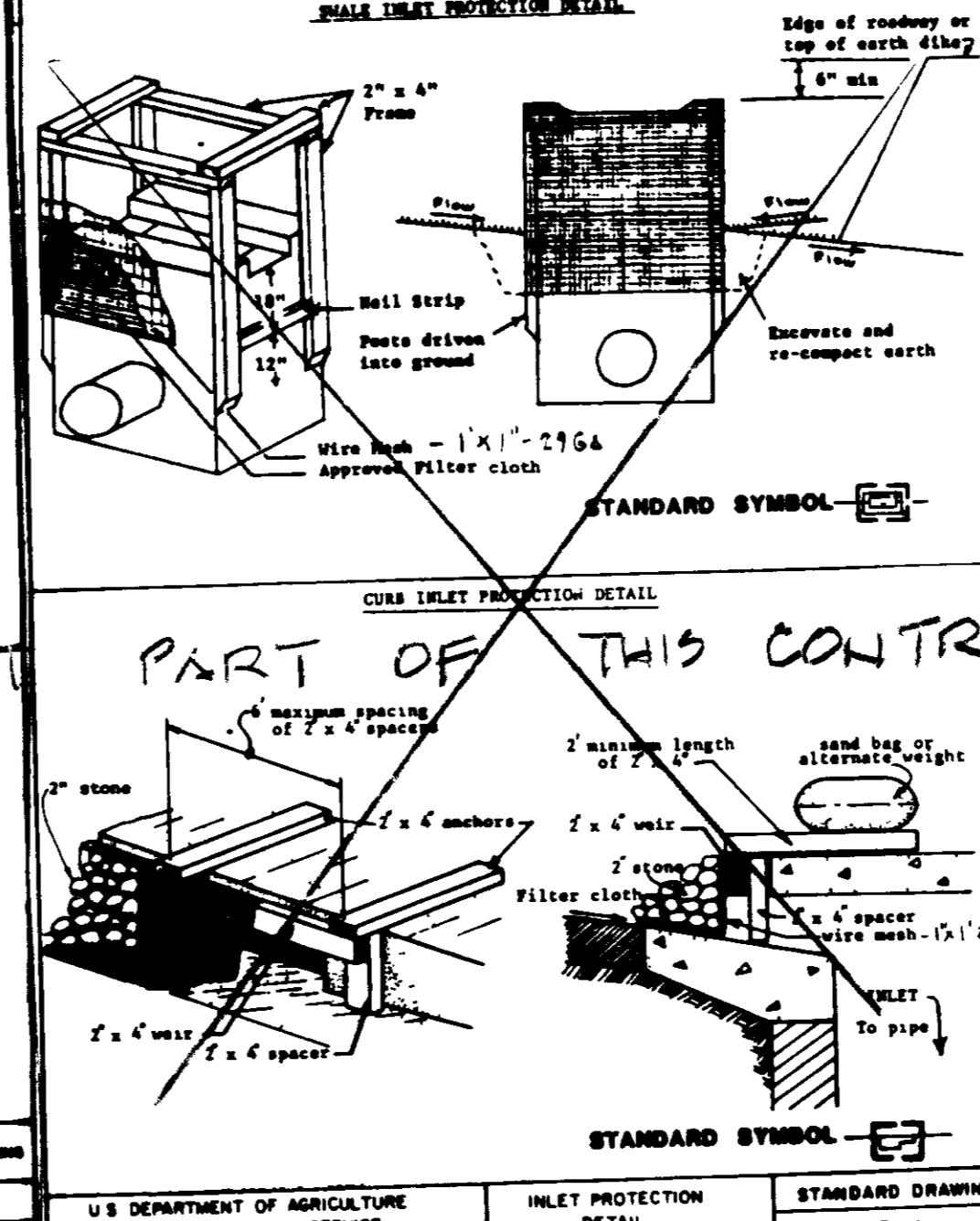
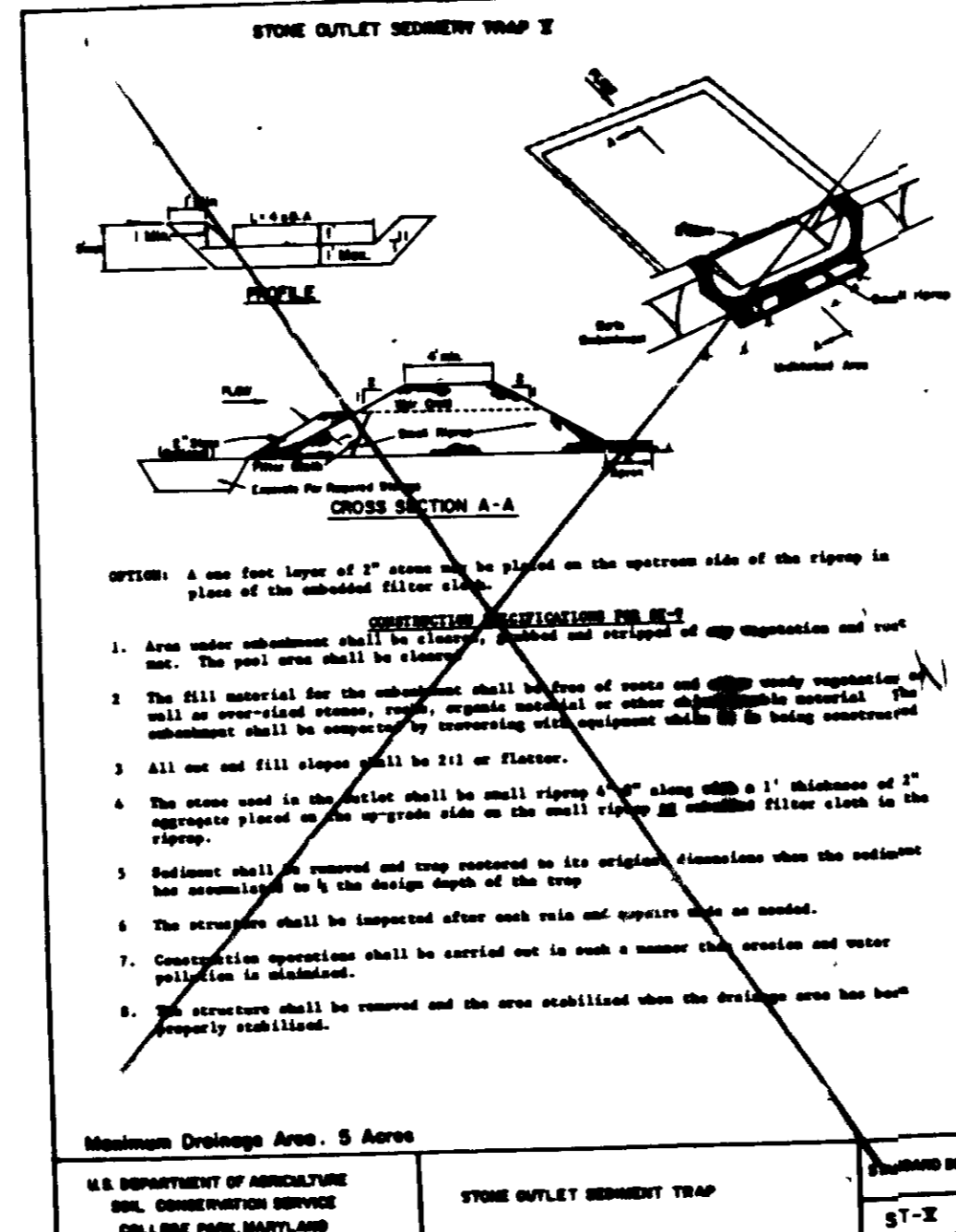
**Mulching:** Apply 1/4 to 2 tons per acre (70 to 90 lbs/1000 sq ft) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 210 gal per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 ft or higher, use 348 gal per acre (8 gal/1000 sq ft) for anchoring.

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

**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. (992-2437)
- 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 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- 3) Following initial soil disturbance or redistribution, 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 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seedings (Sec. 51) and (Sec. 54), temporary seedings (Sec. 50) and mulching (Sec. 52). Temporary stabilization which 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	0.533 Acres
Area Disturbed	0.238 Acres
Area to be roofed or paved	0.24 Acres
Area to be vegetatively stabilized	0.293 Acres
Total Cut	250 Cu. yds
Total Fill	252 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 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.



**STANDARD AND SPECIFICATIONS FOR SILTY FENCE**

**Definition:** A temporary barrier of geotextile fabric (filter cloth) used to intercept sediment laden runoff from small drainage areas of disturbed soil.

**Purpose:** The purpose of a silt fence is to reduce runoff velocity and afford deposition of transported sediment load. Limits imposed by ultraviolet stability of the fabric will dictate the maximum period the silt fence may be used.

**Conditions Where Practice Applies:** A silt fence may be used subject to the following conditions:

1. Maximum allowable slope lengths contributing runoff to a silt fence are listed in the table below:
 

Slope Steepness	Maximum Slope Length (Ft)
3:1	50
3:1	75
4:1	125
3:1	175
Flatter than 3:1	200
2. Maximum drainage area for overland flow to a silt fence shall not exceed 1/2 acre per 100 feet of fence; and
3. Erosion would occur in the form of sheet erosion; and
4. There is no concentration of water flowing to the barrier.

**Design Criteria:** Design computations are not required. All silt fences shall be placed at slope to the maximum as possible, and the area below the fence must be undisturbed or stabilized.

**Details:** A detail of the silt fence shall be shown on the plan, and contain the following minimum requirements:

1. The type, size, and spacing of fence posts.

**SEQUENCE OF CONSTRUCTION**

1. OBTAIN GRADING PERMIT. 2 WEEKS.
2. CLEAR AND GRUB FOR THE INSTALLATION OF SEDIMENT CONTROL STRUCTURES. 1 WK.
3. INSTALL SEDIMENT CONTROL MEASURES. 1 WK.
4. CLEAR AND GRUB REMAINDER OF SITE. 1 WK.
5. ROUGH GRADE SITE, STABILIZE AS REQUIRED. 2 WEEKS
6. INSTALL UTILITIES. 1 WK.
7. CONSTRUCT SUBSIDING. 7 MONTHS
8. INSTALL SUB GRADE PAVEMENT. 1 WK.
9. INSTALL PAVEMENT SURFACE COURSE AND CURB. 1 WK.
10. FINE GRADE SITE AND STABILIZE AS REQUIRED. 1 WK.

**AFTER FINAL INSPECTION, STABILIZE SITE AS REQUIRED. REMOVE SEDIMENT CONTROL MEASURES AFTER PERMISSION FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.**

**SEDIMENT CONTROL LEGEND**

EXISTING GRADE - (250) - - - - -

FINISHED GRADE (OR PROPOSED GRADE) - 250 - - - - -

LIMITS OF DISTURBANCE: - - - - -

STABILIZED CONSTRUCTION ENTRANCE - SCE - - - - -

SILT FENCE (WHERE APPLICABLE) - S - - - - -

**APPROVED**  
DIVISION OF  
MAYNARD COUNTY  
LAND DEVELOPMENT  
HOWARD COUNTY  
DATE 12-16-88

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

*[Signature]* 1-28-89

**APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING**

*[Signature]* 2-19-89

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

*[Signature]* 2-12-89

*[Signature]* 1-24-89

**SEDIMENT CONTROL DETAILS**  
PROP. 110-78-53 MOTOR REPAIR BLDG  
SECTION 3, PARCEL I (.533 AC ±)  
HOWARD LAKE  
ELKRIE INDUSTRIAL PARK  
P.O. 2552

1ST ELEC. DIST. SCALE AS SHOWN TAX MAP 38

OWNER: RICHARD AND SARAH BALLING  
RT 2 BOX 731-H  
CHESTER, MD. 21619

PLAT BY LAND DEVELOPMENT CONSULTANTS  
37 MT GREEN CR.  
BALTO. MD. 21207  
265-6549



**SEDIMENT CONTROL**

( ) Provide the following certification blocks on sediment control plans.

( ) By the Developer:

"I/We certify that all development and construction will be done according to this plan, and that any responsible personnel involved in the construction project will have a Certificate of Attendance at the Department of Natural Resources Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District."

*[Signature]* Richard Balling 7/10/88  
Signature of Developer  
Print name below signature

( ) By the Engineer:

"I certify that this plan for erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District."

*[Signature]* John S. Schwaner 7/17/88  
Signature of Engineer  
Print name below signature

( ) Approved for HOWARD S.C.D. and Department of Public Works Requirements

*[Signature]* 1-23-89  
U.S. Soil Conservation Service

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

*[Signature]* 1-23-89  
U.S.C.S. Date