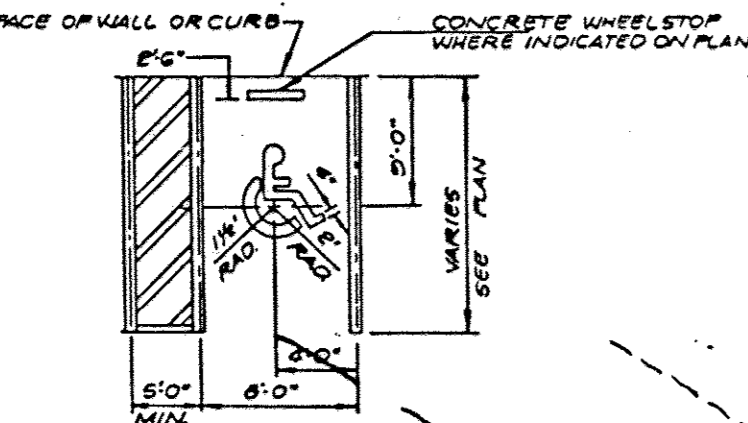


HANDICAPPED SIGN AND POST
NOT TO SCALE

ELEVATION **SECTION**

HANDICAPPED SIGN AND POST
NOT TO SCALE

(P-AINT IS TO BE YELLOW TRAFFIC PAINT APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. TWO (2) COATS REQUIRED)



HANDICAPPED PARKING

SPECIFICATION

Handicapped Parking Space Violation Fine Notation
 1. PARAGRAPH 15B OF HOWARD COUNTY COUNCIL BILL 58-84 WHICH ESTABLISHED A FIFTY-DOLLAR (\$50.00) FINE FOR VIOLATING PROVISIONS FOR HANDICAPPED PARKING AND PROVIDED FOR POSTING NOTIFICATIONS OF THIS FINE. THIS SPECIFICATION DESCRIBES THE SIGN AUTHORIZED FOR POSTING AND THE ASSOCIATED MOUNTING DETAIL.

II. Mounting

Above sign shall be mounted directly below the standard R-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 an addition to existing sign installations, some adjustment in height will be necessary.

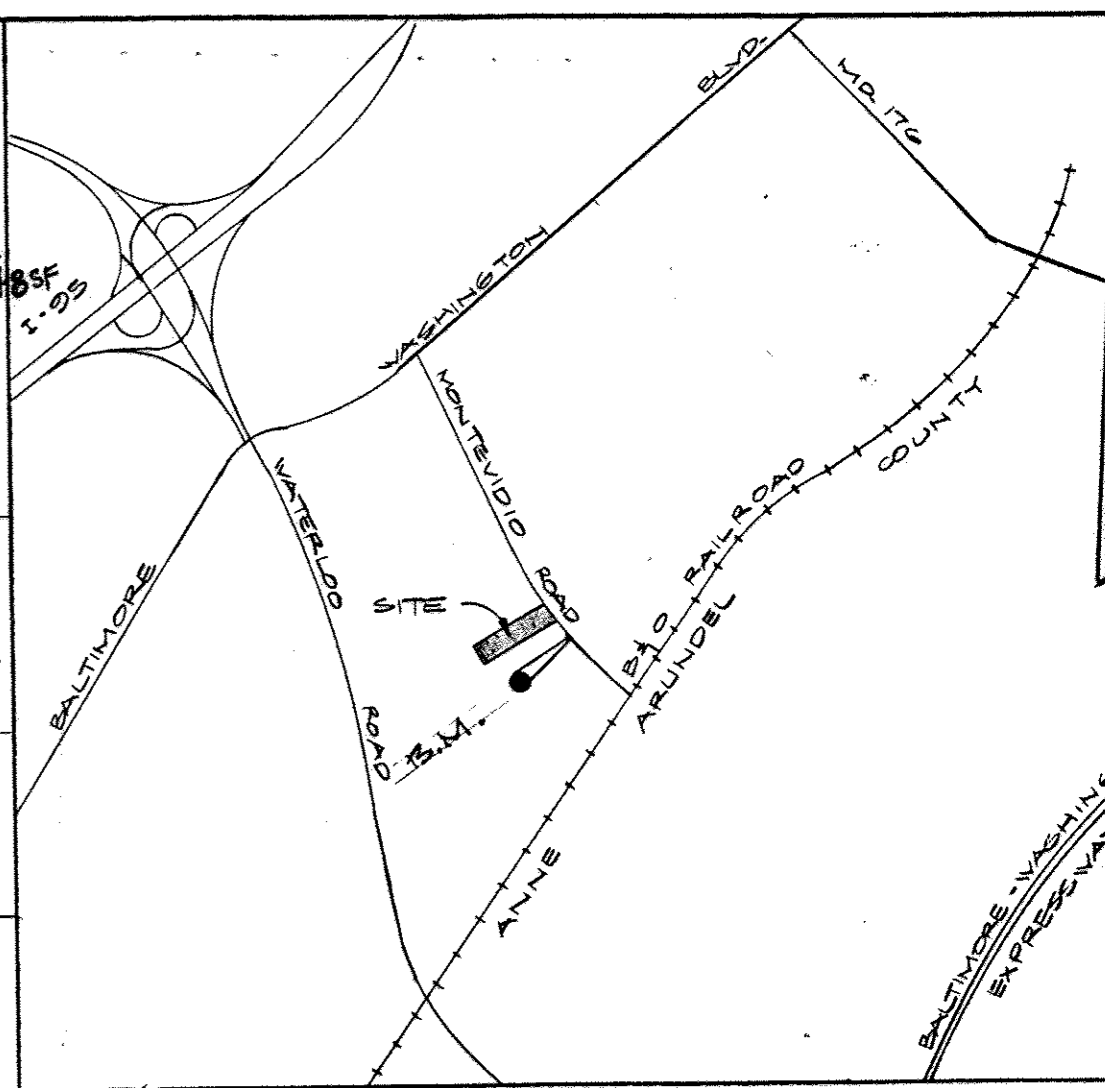
- VERTICAL CONTROL B.P. AS SHOWN E.L. 153.67
- HORIC CONTROL - TRAVERSE FROM CONC. MON. WHO 123
- HO. CO. CONTROL
- WATER AND SEWER SYSTEMS ARE PUBLIC, WATER SHED - DORSEY RUL.
- EXISTING UTILITIES LOCATED BY HO. CO. RECORDS & FIELD SURVEYS (190)

- All construction shall be in accordance with the latest standards and specifications of Howard County plus MSHA standards and specifications if applicable.
- The contractor shall notify the Department of Public Works/Bureau of Construction Inspection at (301) 792-7772 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 at.
- Traffic control devices, markings, and signing shall be in accordance with the latest edition of the Manual on Uniform Traffic Control Devices (MUTCD). All signs, signs-panels and signposts shall be in place prior to the placement of any asphalt.
- All plan dimensions are to the face of curb unless otherwise noted.
- SURVEYS: PURDOM & JESCHKE - 12-7-80, 7-9-83 SWM POND (L.B. SMITH'S PROPERTY) REMER GROUP B-2-88 2' CONTOURS. (182)

LANDSCAPE SCHEDULE			
SYMBOL	BOTANICAL NAME	COMMON CAL.	HTG. QUANTITY
(1)	PYRUS CALLERYANA "Bradford"	BRADFORD 2'	4 TO 5 4
(2)	MALUS	CRAB-APPLE 1 1/2 TO 2'	4 TO 5 3

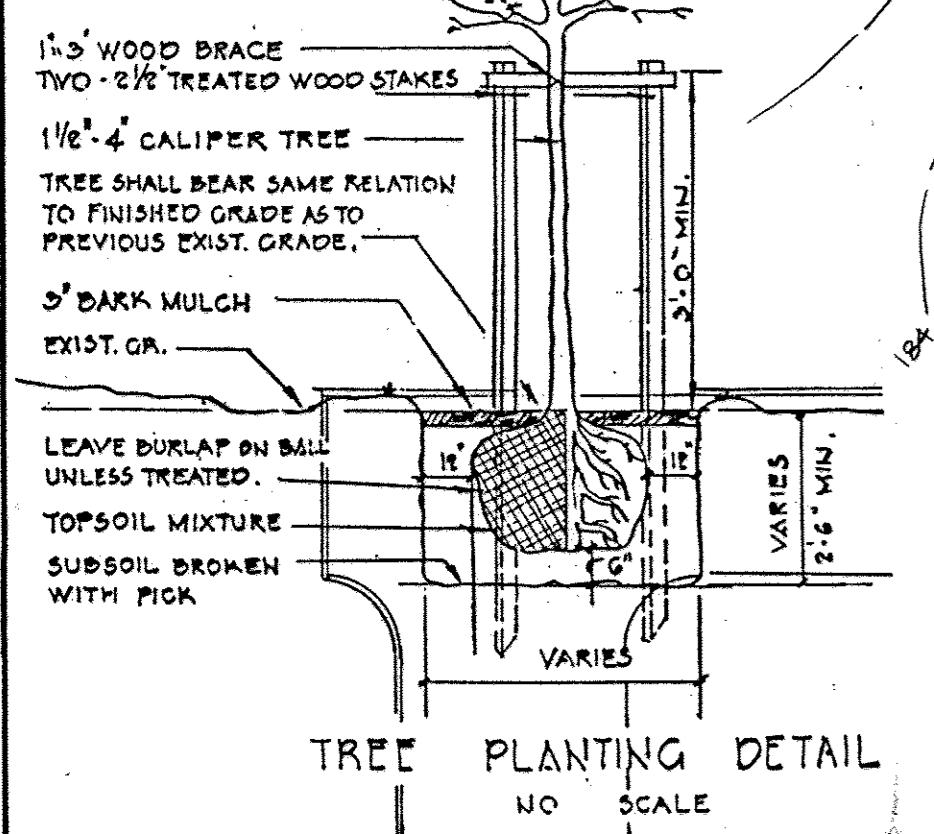
SITE ANALYSIS

- TOTAL AREA OF SITE 2.182 ACRES
- PRESENT ZONING ZONED M-2
- PROPOSED AND EXISTING USE **REPAIR SHOP**
- PROPOSED USE OFFICE ADDITION 1455 S.F.
- EX. MANUFACTURING (14,240 S.F.)
- EX. STORAGE (14,000 S.F.)
- EX. USE: EX. CRUSHED STONE AREA 0.70 AC. OR 30,600 S.F.
- EX. BUILDING COVERAGE 13,278 S.F. OR 0.428 AC.
- PERCENT OF LOT AREA 20%
- EX. CRUSHED STONE AREA 30,600 S.F. OR 0.70 AC. PERCENT OF LOT AREA 32%
- PARKING ANALYSIS: MAXIMUM POPULATION ON SITE
- PEOPLE WORKING AT FABRICATING PRODUCTS EMPLOYEES
- PEOPLE IN OFFICES
- PEOPLE IN THE OFFICE PROCESS
- PEOPLE ARE VISITORS
- TOTAL PARKING SPACES PROVIDED 12
- TOTAL (HANDICAPPED SPACES PROVIDED) 1
- PARKING AREA LANDSCAPED ISLANDS
- PARKING AREA 480 S.F.
- LANDSCAPE AREA REQ. 240 S.F.
- LANDSCAPE AREA SHOWN 433 S.F.
- GREEN AREA 3228 S.F. OR 0.074 AC.



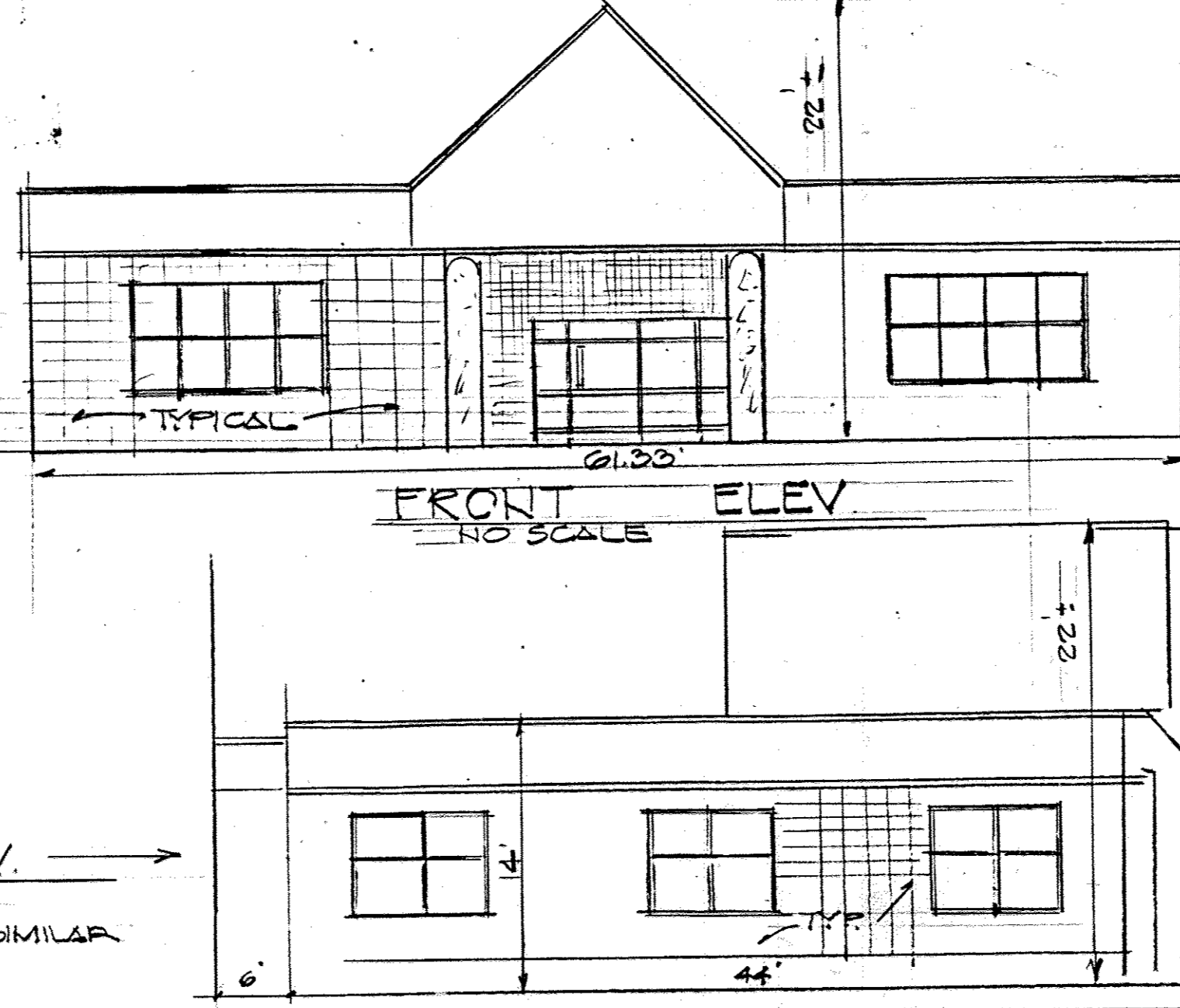
VICINITY MAP
SCALE: 1" = 200'
 BENCH MARK: ELEV. 153.67
 DESCRIPTION: RAIL ROAD SPIKE IN BASE OF POWER POLE NO 457837 ON MONTEVIDEO RD. IN FRONT OF TATE ENGINEERING BLDG.

NEVER CUT A LEADER
 THIN BRANCHES & FOLIAGE BY 1/3
 RETAINING NORMAL TREE SHAPE



SECTION NUMBER	ROAD AND STREET CLASSIFICATION	PAVEMENT MATERIALS	
		FULL DEPTH BIT. CONC. ALTERNATE	GRANULAR 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 PRIME	1" BIT. CONC. SURFACE 2" BIT. CONC. BASE PRIME 1/2" CRUSHER RUN BASE COURSE OR 4" DENSE GRADED STABILIZED AGGREGATE BASE COURSE

PAVING SECTION
 NOTE: ALL ON-SITE CURB TO BE STD. HO. CO. BITUMINOUS CURB.
 SEE HO. CO. STD. DETAIL PLATE R-3-03



APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE
 HOWARD COUNTY HEALTH DEPARTMENT
William Bod 3/11/92
 COUNTY HEALTH OFFICER DATE

APPROVED HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
David Barth 3/19/92
 DIRECTOR DATE

Thomas H. Howell 3/18/92
 CHIEF DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE JA

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
James A. Shaw 3/5/92
 DIRECTOR DATE

William E. Ross 2-28-92
 CHIEF BUREAU OF ENGINEERING DATE

- KEY TO SITE CONDITIONS**
- (A) 200x20 (16,000 S.F.) 1ST. FRAME BLDG. USE CUSTOM STEEL FABRICATORS AND STORAGE.
 - (B) 30x10 EXIST. METAL TRAILER & METAL RISERS TO BE REMOVED.
 - (C) 61 23x44 PROP. OFFICE ADDITION 2608.52 S.F.
 - (D) EX. 28x28 FRAME STRUCTURE TO BE REMOVED.
 - (E) EXIST. UNDERGROUND 60x15 STOR. SWM FACILITY SEE APPROVED SOP 84-300. SYSTEM TO REMAIN.
 - (F) EXISTING AS-BUILT STORAGE BUILDING FIELD LOCATED IN NOVEMBER 2017. BUILT BETWEEN 1943 AND 1946.
 - (G) EXIST. 28x9 METAL SHED TO REMAIN.
 - (H) EXIST. 30x6 METAL SHED TO REMAIN.
 - (I) EXIST. 21x12 METAL SHED TO REMAIN.

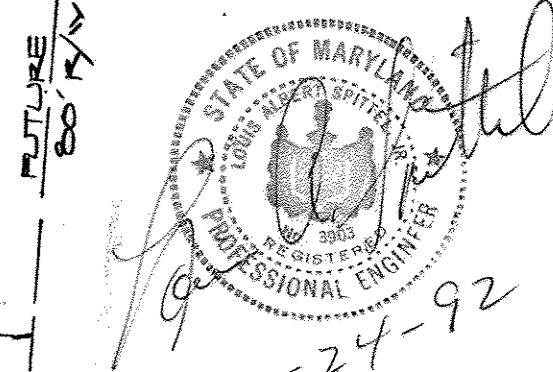
SITE DEVELOPMENT PLAN
MAGCO INCORPORATED
 PROP. BUILDING ADDITION TO APPROVED SOP 84-300
 7450 MONTEVIDEO ROAD
 1ST. ELECT. DIST. REFER. L 2228 E HO. CO. MD.
 TAX MAP REF. L 2228 E HO. CO. MD. PARCEL P. 88
 CENSUS TRACT 6012
 WATER CODE 801 SEWER CODE 2221000
 SCALE: 1" = 30' AUG. 25, 1991

OWNER/DEVELOPER
 CUSTOM STEEL FABRICATORS INC.
 7450 MONTEVIDEO RD
 JESSUP MD. 20794

ENGINEERS:
 LOUIS ALBERT SPITTEL
 1920 WOODSTOCK RD
 WOODSTOCK, MD. 21169
 482-8092

REVISION BOX

NO.	DESCRIPTION	DATE
1	TO SHOW PROP. W.C. EX. 150-192	3-11-92
2	TO SHOW LOCATION OF PROP. 3/4" METER	
3	EXIST. ON SITE W.C. TO BE ABANDONED	
4	ADD 6' W.C. AS PART OF PARKING CHANGE USE FROM MANUFACTURING TO FIRE TRUCK REPAIR SHOP (2-28-2017)	



272-12 Pond SPECIFICATIONS

These specifications are appropriate to all ponds where the owner requires for protection 272. All references to ASTM and AASHTO specifications apply to the latest revision.

Excavation
When minimum required depth is specified, it shall not be less than 8% of maximum dry density with a maximum void ratio of 0.95. Each layer shall be compacted to the required density and shall be certified by the Engineer at the time of construction. All compaction is to be determined by ASTM Method T-99.

Areas to be excavated
The excavated area shall be excavated to the required depth and shall be compacted to the required density and shall be certified by the Engineer at the time of construction. All compaction is to be determined by ASTM Method T-99.

Earth Fill
The fill material shall be taken from approved sources. It shall be free of roots, stumps, wood, rubbish, stones greater than 6" across or other objectionable materials. It shall be placed in layers not exceeding 18" in thickness. The fill shall be compacted to the required density and shall be certified by the Engineer at the time of construction. All compaction is to be determined by ASTM Method T-99.

Placement
Areas on which fill is to be placed shall be excavated to a minimum depth of 18" below the proposed grade. The fill shall be placed in layers not exceeding 18" in thickness. The fill shall be compacted to the required density and shall be certified by the Engineer at the time of construction. All compaction is to be determined by ASTM Method T-99.

Construction
The movement of the heating and spraying equipment over the fill shall be controlled so that the entire surface of the fill is covered by not less than one track of the equipment or other means approved by the Engineer. The fill shall be compacted to the required density and shall be certified by the Engineer at the time of construction. All compaction is to be determined by ASTM Method T-99.

Materials - (Aluminum Coated Steel Pipe)
This pipe and its appurtenances shall conform to the requirements of AASHTO Specification M-28 or M-21 with weight coupling bands or flanges. Aluminum surfaces that are to be in contact with concrete shall be coated with one coat of zinc chromate primer. Hot dip galvanized bolts may be used for connections. The galvanized bolts shall be between 4 and 8 ft. of the surrounding fill shall be between 4 and 8 ft.

Materials - (Reinforced Concrete Pipe)
This pipe and its appurtenances shall conform to the requirements of AASHTO Specification M-28 or M-21 with weight coupling bands or flanges. Aluminum surfaces that are to be in contact with concrete shall be coated with one coat of zinc chromate primer. Hot dip galvanized bolts may be used for connections. The galvanized bolts shall be between 4 and 8 ft. of the surrounding fill shall be between 4 and 8 ft.

Materials - (PVC Pipe)
This pipe and its appurtenances shall conform to the requirements of AASHTO Specification M-28 or M-21 with weight coupling bands or flanges. Aluminum surfaces that are to be in contact with concrete shall be coated with one coat of zinc chromate primer. Hot dip galvanized bolts may be used for connections. The galvanized bolts shall be between 4 and 8 ft. of the surrounding fill shall be between 4 and 8 ft.

Materials - (Joint and Sealant)
This pipe and its appurtenances shall conform to the requirements of AASHTO Specification M-28 or M-21 with weight coupling bands or flanges. Aluminum surfaces that are to be in contact with concrete shall be coated with one coat of zinc chromate primer. Hot dip galvanized bolts may be used for connections. The galvanized bolts shall be between 4 and 8 ft. of the surrounding fill shall be between 4 and 8 ft.

Materials - (Backfill)
This pipe and its appurtenances shall conform to the requirements of AASHTO Specification M-28 or M-21 with weight coupling bands or flanges. Aluminum surfaces that are to be in contact with concrete shall be coated with one coat of zinc chromate primer. Hot dip galvanized bolts may be used for connections. The galvanized bolts shall be between 4 and 8 ft. of the surrounding fill shall be between 4 and 8 ft.

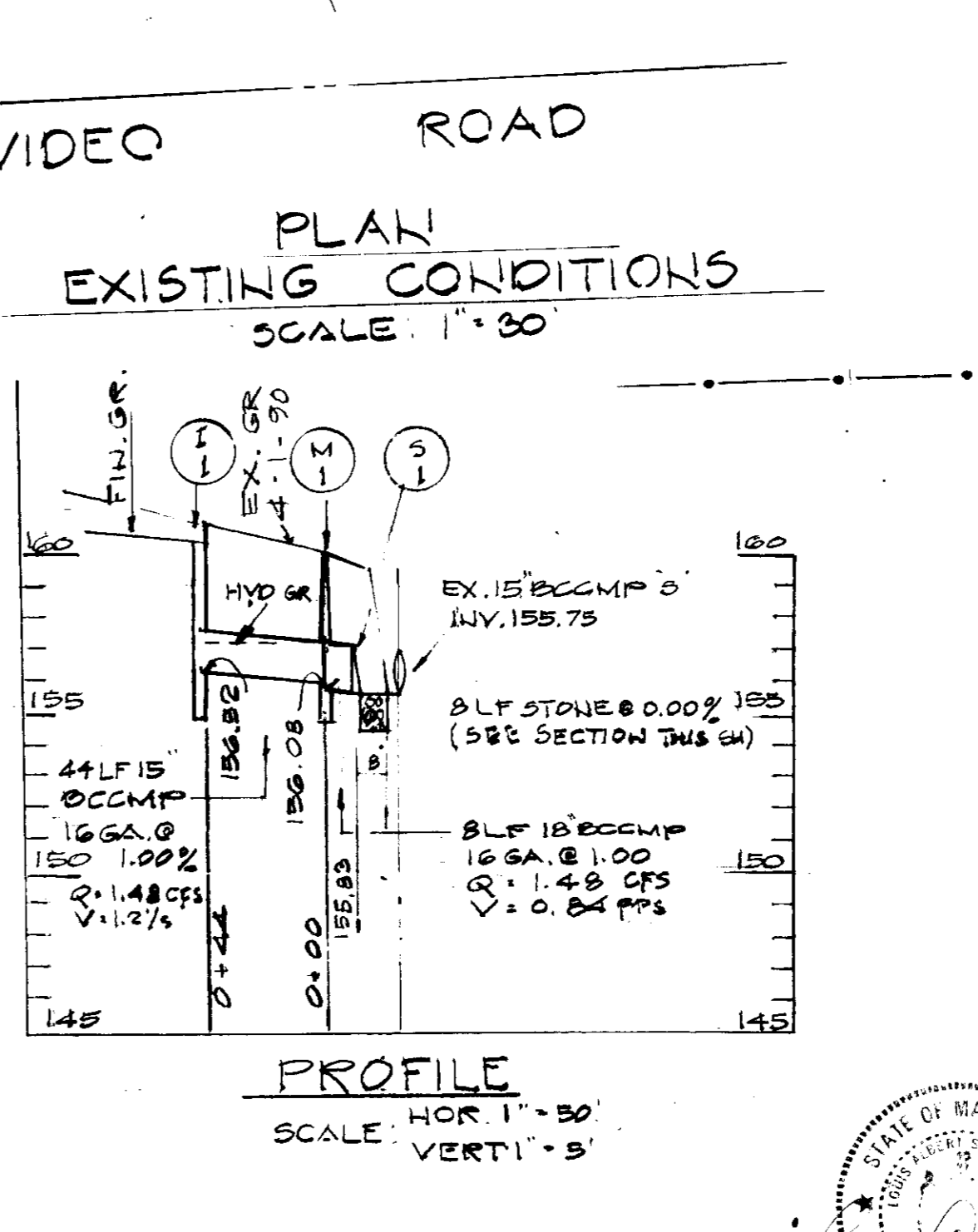
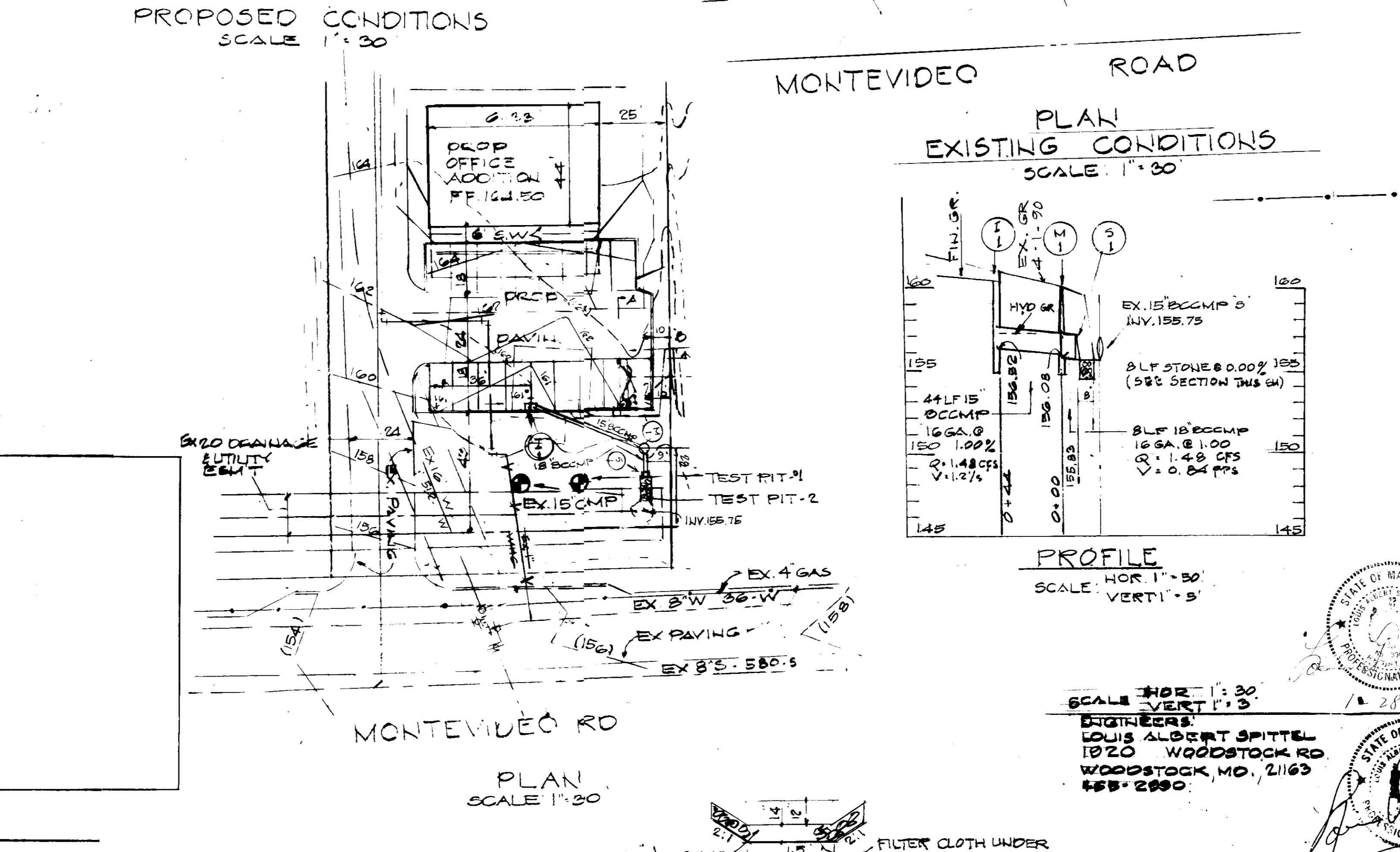
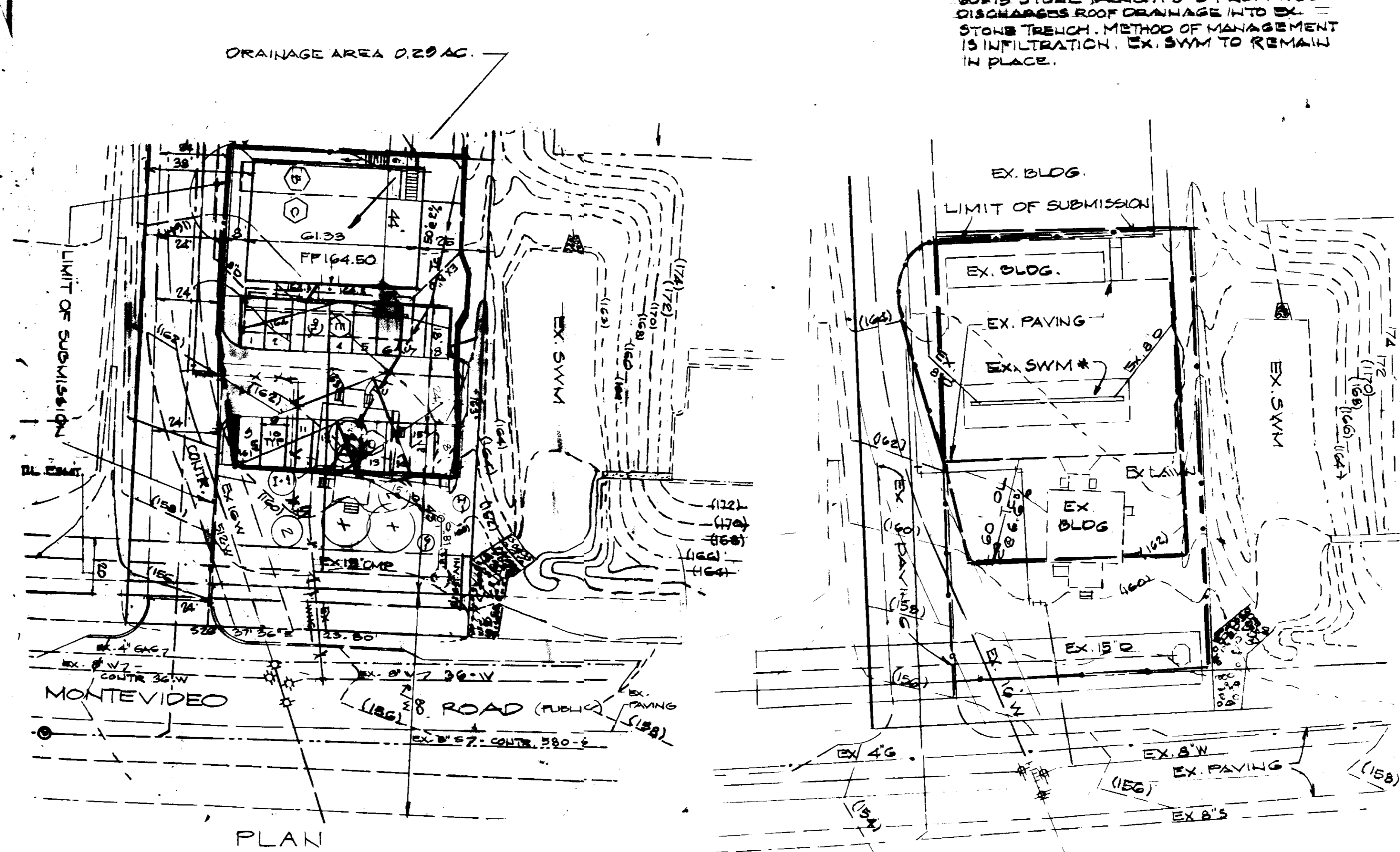
Materials - (Other Details)
This pipe and its appurtenances shall conform to the requirements of AASHTO Specification M-28 or M-21 with weight coupling bands or flanges. Aluminum surfaces that are to be in contact with concrete shall be coated with one coat of zinc chromate primer. Hot dip galvanized bolts may be used for connections. The galvanized bolts shall be between 4 and 8 ft. of the surrounding fill shall be between 4 and 8 ft.

Materials - (Reinforced Concrete Pipe)
This pipe and its appurtenances shall conform to the requirements of AASHTO Specification M-28 or M-21 with weight coupling bands or flanges. Aluminum surfaces that are to be in contact with concrete shall be coated with one coat of zinc chromate primer. Hot dip galvanized bolts may be used for connections. The galvanized bolts shall be between 4 and 8 ft. of the surrounding fill shall be between 4 and 8 ft.

Materials - (PVC Pipe)
This pipe and its appurtenances shall conform to the requirements of AASHTO Specification M-28 or M-21 with weight coupling bands or flanges. Aluminum surfaces that are to be in contact with concrete shall be coated with one coat of zinc chromate primer. Hot dip galvanized bolts may be used for connections. The galvanized bolts shall be between 4 and 8 ft. of the surrounding fill shall be between 4 and 8 ft.

Materials - (Joint and Sealant)
This pipe and its appurtenances shall conform to the requirements of AASHTO Specification M-28 or M-21 with weight coupling bands or flanges. Aluminum surfaces that are to be in contact with concrete shall be coated with one coat of zinc chromate primer. Hot dip galvanized bolts may be used for connections. The galvanized bolts shall be between 4 and 8 ft. of the surrounding fill shall be between 4 and 8 ft.

1. Backfill adjacent to pipe or structures shall be of the type and quality conforming to that specified for the existing structure. It shall be placed in horizontal layers not to exceed four inches in thickness and compacted to the required density and shall be certified by the Engineer at the time of construction. All compaction is to be determined by ASTM Method T-99.
2. Backfill shall be placed in horizontal layers not to exceed four inches in thickness and compacted to the required density and shall be certified by the Engineer at the time of construction. All compaction is to be determined by ASTM Method T-99.
3. Backfill shall be placed in horizontal layers not to exceed four inches in thickness and compacted to the required density and shall be certified by the Engineer at the time of construction. All compaction is to be determined by ASTM Method T-99.
4. Backfill shall be placed in horizontal layers not to exceed four inches in thickness and compacted to the required density and shall be certified by the Engineer at the time of construction. All compaction is to be determined by ASTM Method T-99.
5. Backfill shall be placed in horizontal layers not to exceed four inches in thickness and compacted to the required density and shall be certified by the Engineer at the time of construction. All compaction is to be determined by ASTM Method T-99.



TEST PIT SUMMARY

MAGCO, INC.
Noted as per
Howard County, Maryland
August, 1991

Test Pit No.	Infill Rate In/Hr	Depth	Remarks
01-31		01'-3"	FILL (Sandy Loam)
01-31		01'-6"	Red brown moist loamy sand & gravel (GH-GW)
01-31		01'-9"	Red brown moist sand & gravel (GW)
			Groundwater at 8.5'
01-32		01'-3"	FILL (Sandy Loam)
01-32		01'-6"	Red brown moist loamy sand & gravel (GH-GW)
01-32		01'-9"	Red brown moist sand & gravel (GW)
			Groundwater at 8.5'

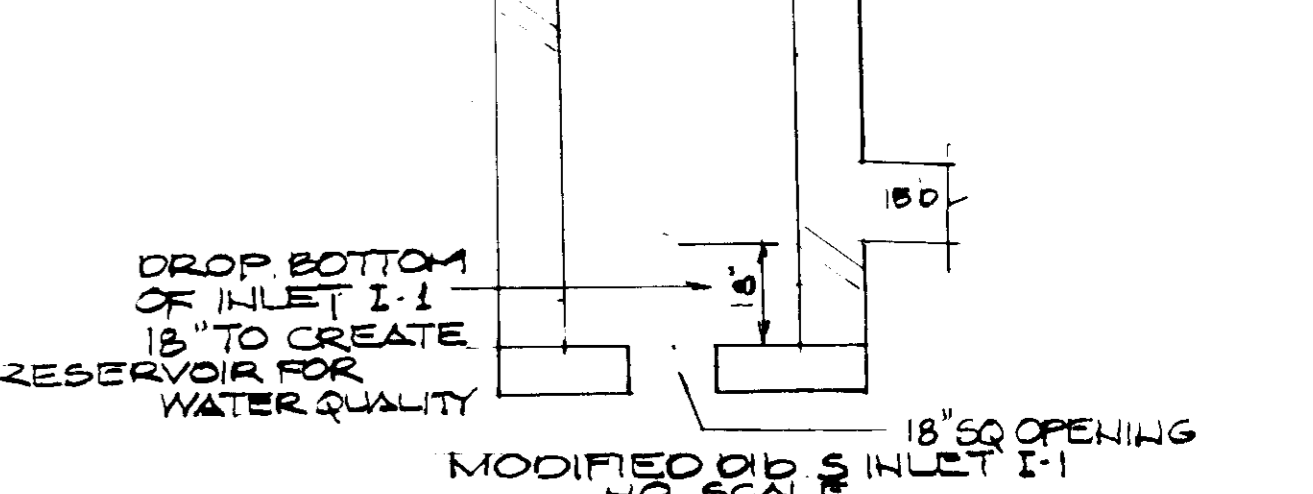
Conclusions and Recommendations

It is concluded from this investigation that, except for the limitation of groundwater, the subsurface profile is suitable for the use of infiltration for storm water management. The following design conditions exist based on DMR guidelines.

Test Pit No.	Infill Rate In/Hr	Depth	Remarks
1 & 2	NOT SUITABLE	01'-3"	
	2.41	31'-6"	
	8.27	Below 6'	Groundwater 8.5'

STRUCTURE SCHEDULE

NO.	TYPE	IN/IN	INV. OUT	TOPEL
* I-1	MOD. DB TYPE 3 INLET	-	156.80	160.70
M-1	STANDARD MANHOLE	156.08	152.39	SET IN FIELD
* 5-1	SEE DETAIL THIS SH.			
5-1	METAL END SECTION		155.75	



**DRAINAGE AREA MAPS
DETAILS & SPECIFICATIONS
MAGCO INCORPORATED**

PROP. BUILDING ADDITION TO APPROVED SDP 84-300
7450 MONTEVIDEO ROAD

1ST. ELECT. DISTR. HO. CO. MD.
TAX MAP 43 PARCEL P-80
CENSUS TRACT 6012
WATER CODE 801 SEWER CODE 22210000
SCALE 1"=30' AUG. 25, 1991

OWNER/DEVELOPER
MAGCO INCORPORATED
1400 MONTEVIDEO RD.
BETHESDA, MD. 20754

SCALE HOR 1"=30' VERT 1"=5'

ENGINEERS
LOUIS ALBERT SPITTEL
1020 WOODSTOCK RD.
WOODSTOCK, MD. 21163
455-2990

STATE OF MARYLAND
Professional Engineer
12-28-92

STATE OF MARYLAND
Professional Engineer
8-23-91

S.D.P. 91-85 SH. 2 OF 4
SDP-91-85

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

J. Paul Ford 3/11/92
COUNTY HEALTH OFFICER DATE

APPROVED HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

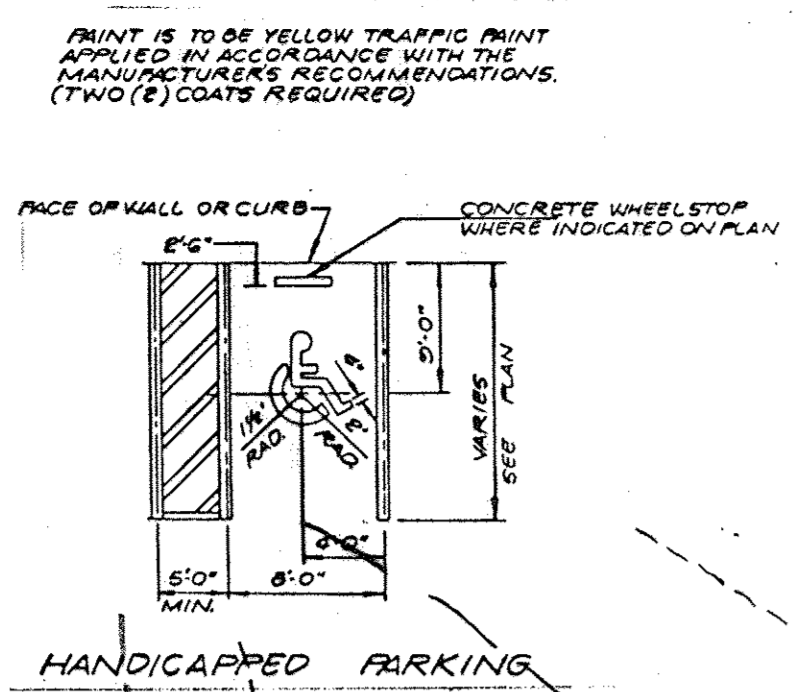
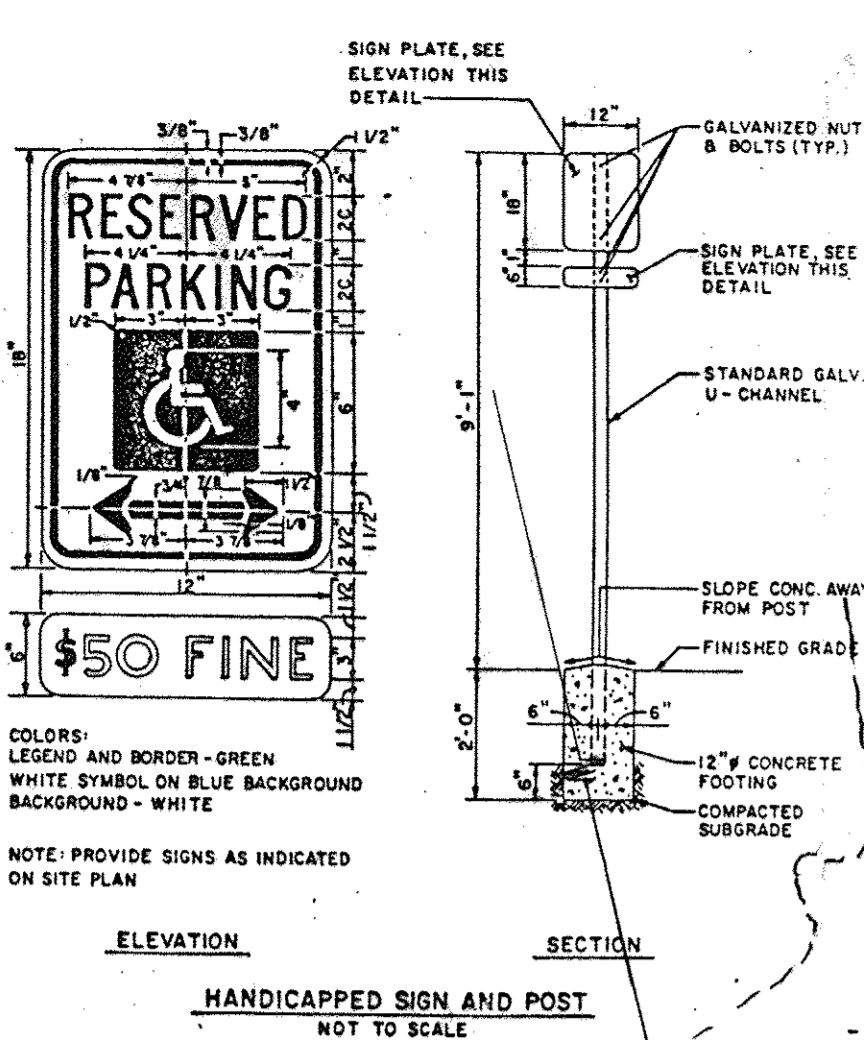
James Ruth 3/19/92
DIRECTOR DATE

Anna Howard 3/10/92
CHIEF DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

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

John P. Sklar 3/5/92
DIRECTOR DATE

William S. Davis 2-28-92
CHIEF BUREAU OF ENGINEERING DATE



SPECIFICATION

Handicapped Parking Space Violation Fine Notation

Pursuant to Howard County Council Bill 58-84 which established a \$50 fine for violating provisions for Handicapped Parking and provided for posting, notification of that fine, this specification describes the sign authorized for posting and the associated mounting detail.

II. 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.

SITE ANALYSIS

TOTAL AREA OF SITE 2.182 ACRES

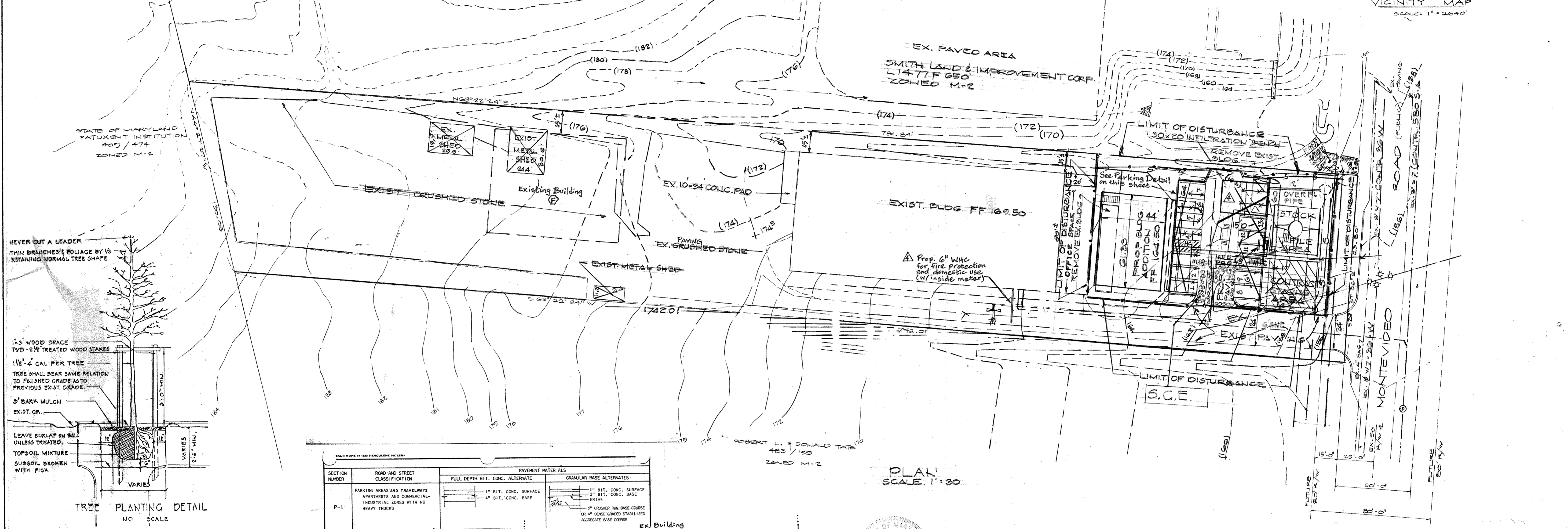
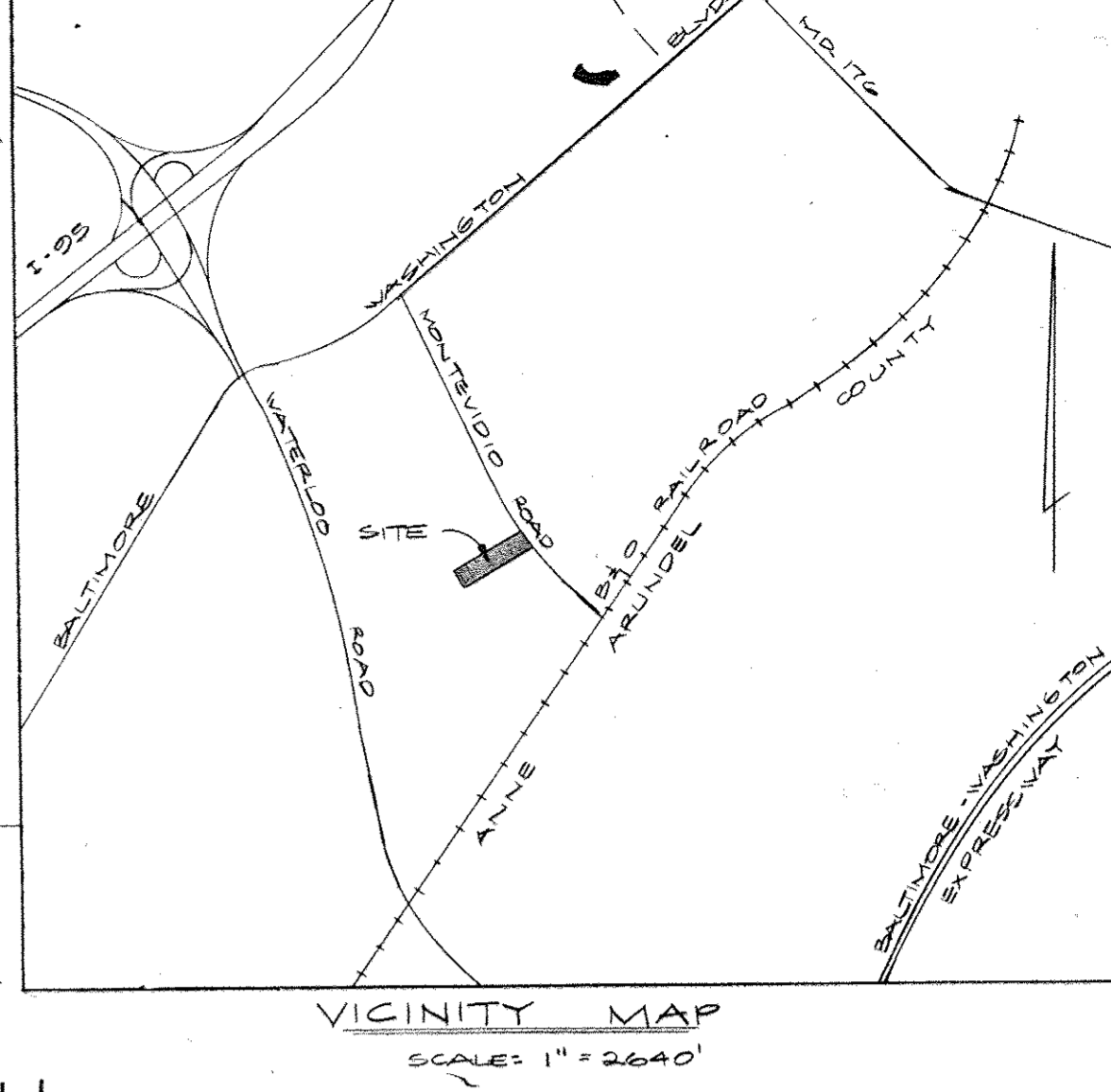
PRESENT ZONING M-2

PROPOSED USE Fire Truck Repair Shop

TOTAL AREA DISTURBED 0.29 AC.

AREA TO BE PAVED (INCLUDING BLDG'S.) 0.19 AC.

AREA TO BE REVEGETATED 0.10 AC.



APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE
HOWARD COUNTY HEALTH DEPARTMENT

Jessie B. ... 3/11/92
COUNTY HEALTH OFFICER DATE

APPROVED HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

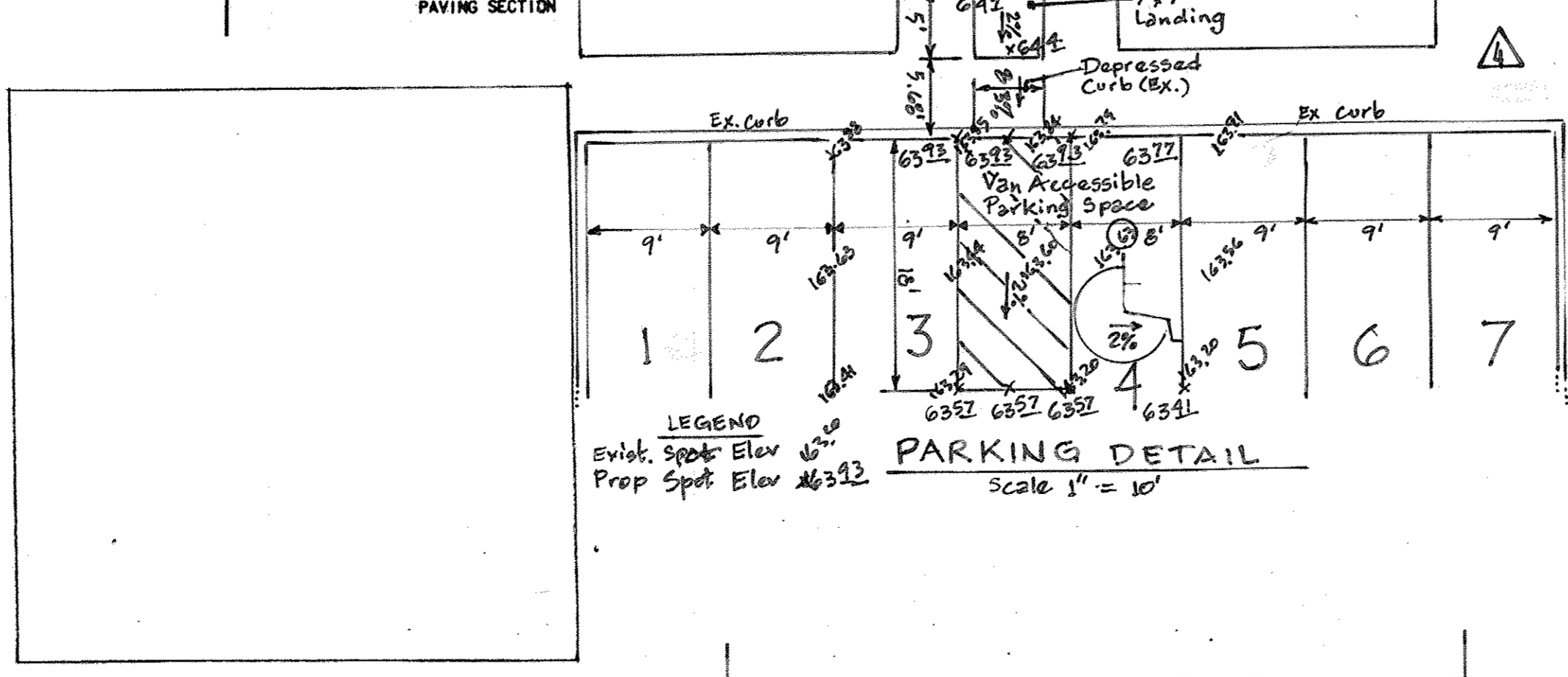
James ... 3/19/92
DIRECTOR DATE

Anna ... 3/18/92
CHIEF DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

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

James ... 3/15/92
DIRECTOR DATE

... 2-28-92
CHIEF BUREAU OF ENGINEERING DATE



STATE OF MARYLAND

HOWARD COUNTY

SOIL CONSERVATION DISTRICT

HOWARD COUNTY

2/12/92

U.S. Soil Conservation Service

APPROVED *[Signature]* Date 2/12/92
Howard S.C.D.

SEDIMENT CONTROL PLAN

MAGCO INCORPORATED

PROP. BUILDING ADDITION TO APPROVED SDP 24,300
7450 MONTEVIDEO ROAD

1ST. ELECT. DISTR. HO. CO. MD.

TAX MAP 43 PARCEL P-88

CENSUS TRACT 6012

WATER CODE 1201 SEWER CODE 2221000

SCALE: 1" = 30' AUG. 25, 1991

OWNER/DEVELOPER
MAGCO INCORPORATED
7450 MONTEVIDEO RD
JESSUP MD. 20794

ENGINEERS:
LOUIS ALBERT SPITTEL
1920 WOODSTOCK RD
WOODSTOCK, MD. 21169
445-2990

1-28-92

REVISION

No.	DATE	DESCRIPTION	BY
1	12-28-2001	Add 6" WHC; Adjust parking, change use from manufacturing to FIRE TRUCK REPAIR SHOP	FSH

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.

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. 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 50 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 vernalis lovegrass. During the period of October 16 thru February 28, protect site by: Option (1) 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring. Option (2) Use sod. Option (3) Seed with 60 lbs/acre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well anchored straw.

Mulching - Apply 1 1/2 to 2 tons per acre (70 to 90 lbs/1000 sq ft) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal/1000 sq ft) for anchoring.

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

TEMPORARY SEEDING NOTES

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

Seedbed Preparation: Loosen upper three inches of soil by raking, disking or other acceptable means before seeding.

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

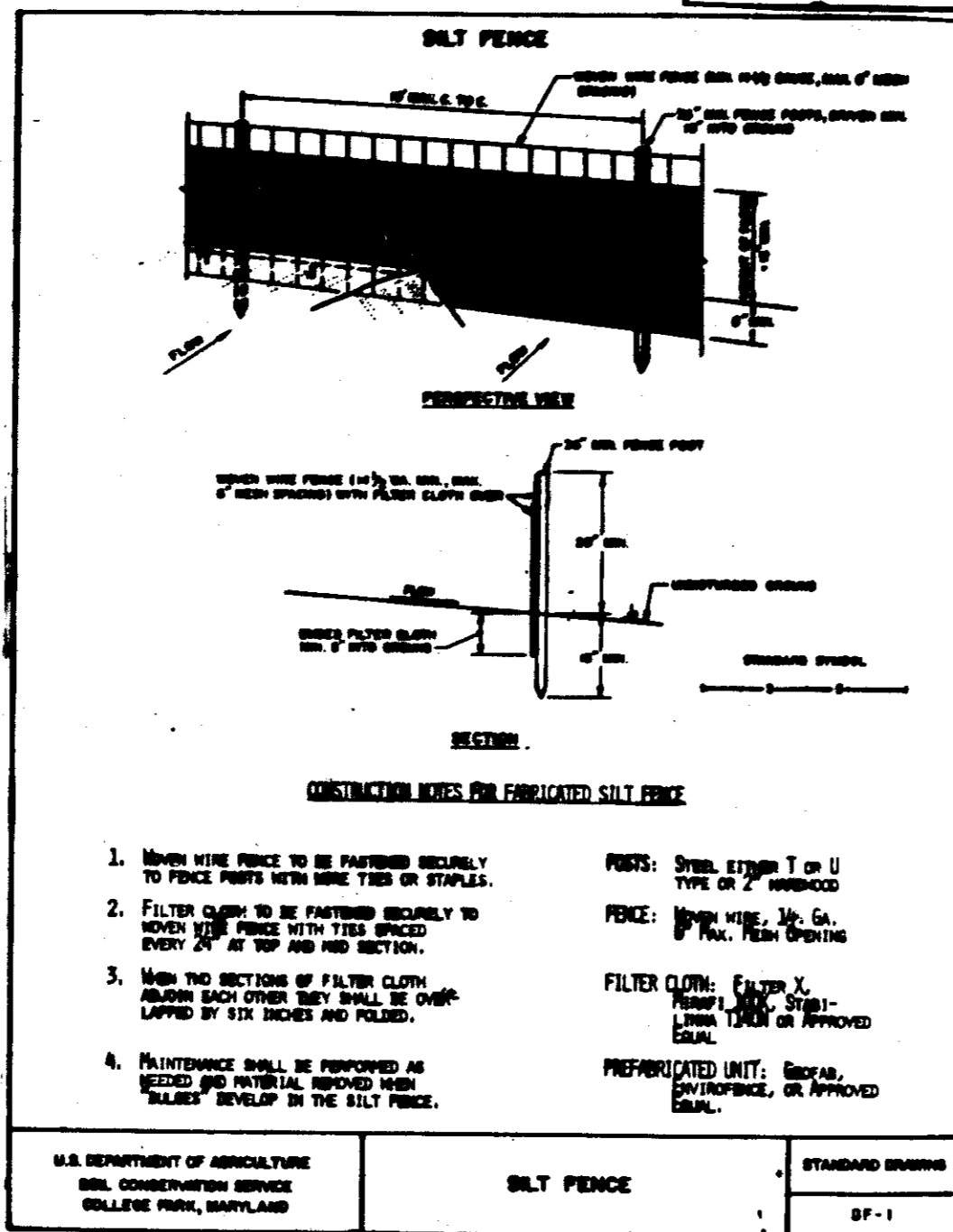
Seeding - For periods March 1 thru April 30 and from August 15 thru November 15, seed with 2 1/2 bushel per acre of annual ryegrass (3.2 lbs/1000 sq ft). For the period May 1 thru August 15, seed with 3 lbs per acre of vernalis lovegrass (.07 lbs/1000 sq ft). For the period November 16 thru February 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 1/2 to 2 tons per acre (70 to 90 lbs/1000 sq ft) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gal per acre (5 gal/1000 sq ft) 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.
- 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 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seedings (Sec. 51) and (Sec. 54), temporary seeding (Sec. 50) and mulching (Sec. 52). Temporary stabilization with mulch alone can only be done when recommended seeding dates do not allow for proper germination and establishment of grasses.
- 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: 2.182 Acres
Area Disturbed: 0.25 Acres
Area to be roofed or paved: 0.12 Acres
Area to be vegetatively stabilized: 0.10 Acres
Total Cut: 280 Cu. yds
Total Fill: 0 Cu. yds
Offsite waste/borrow area location: ON SITE
- 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 action 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 SILT 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 effect 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:

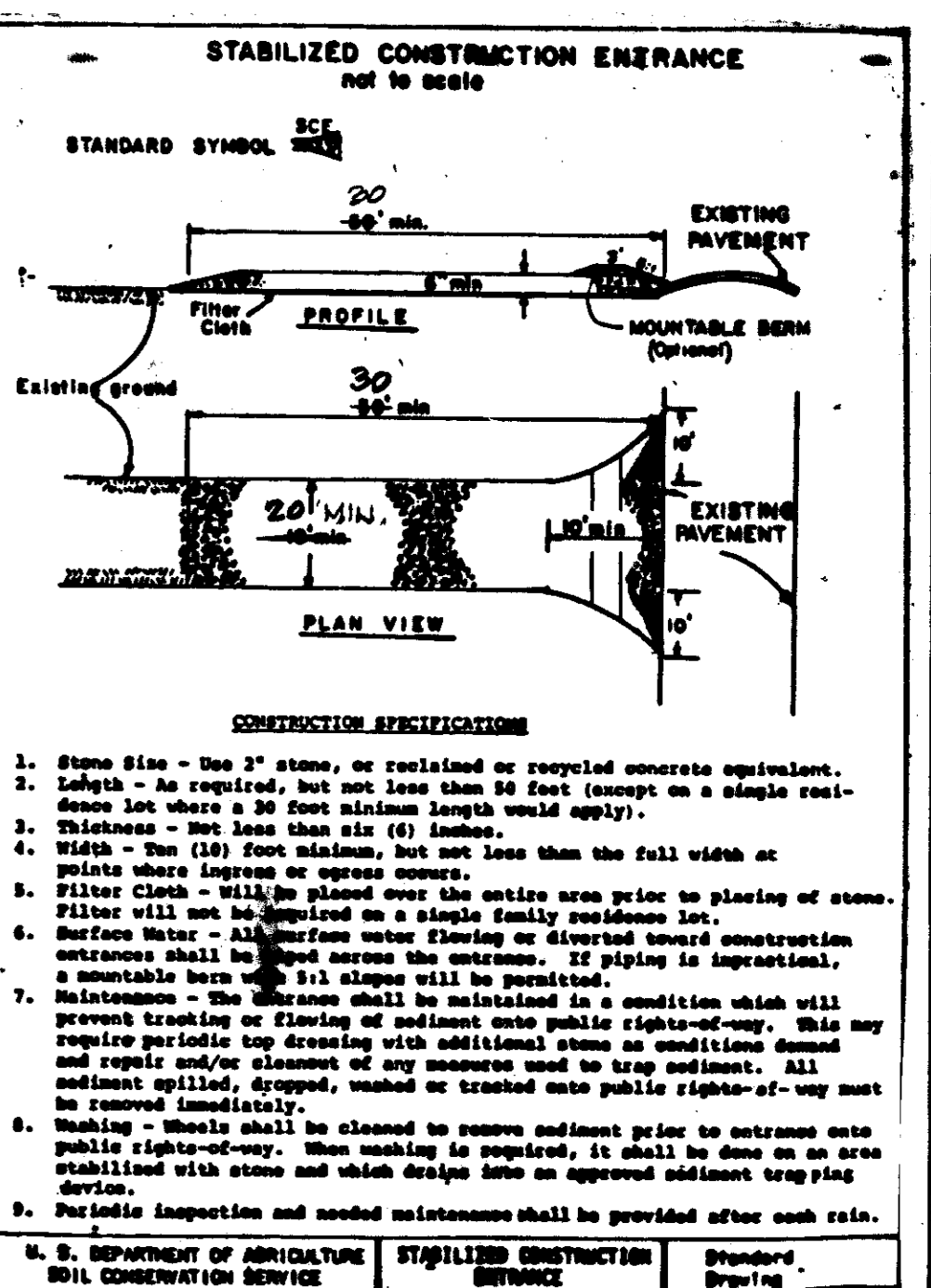
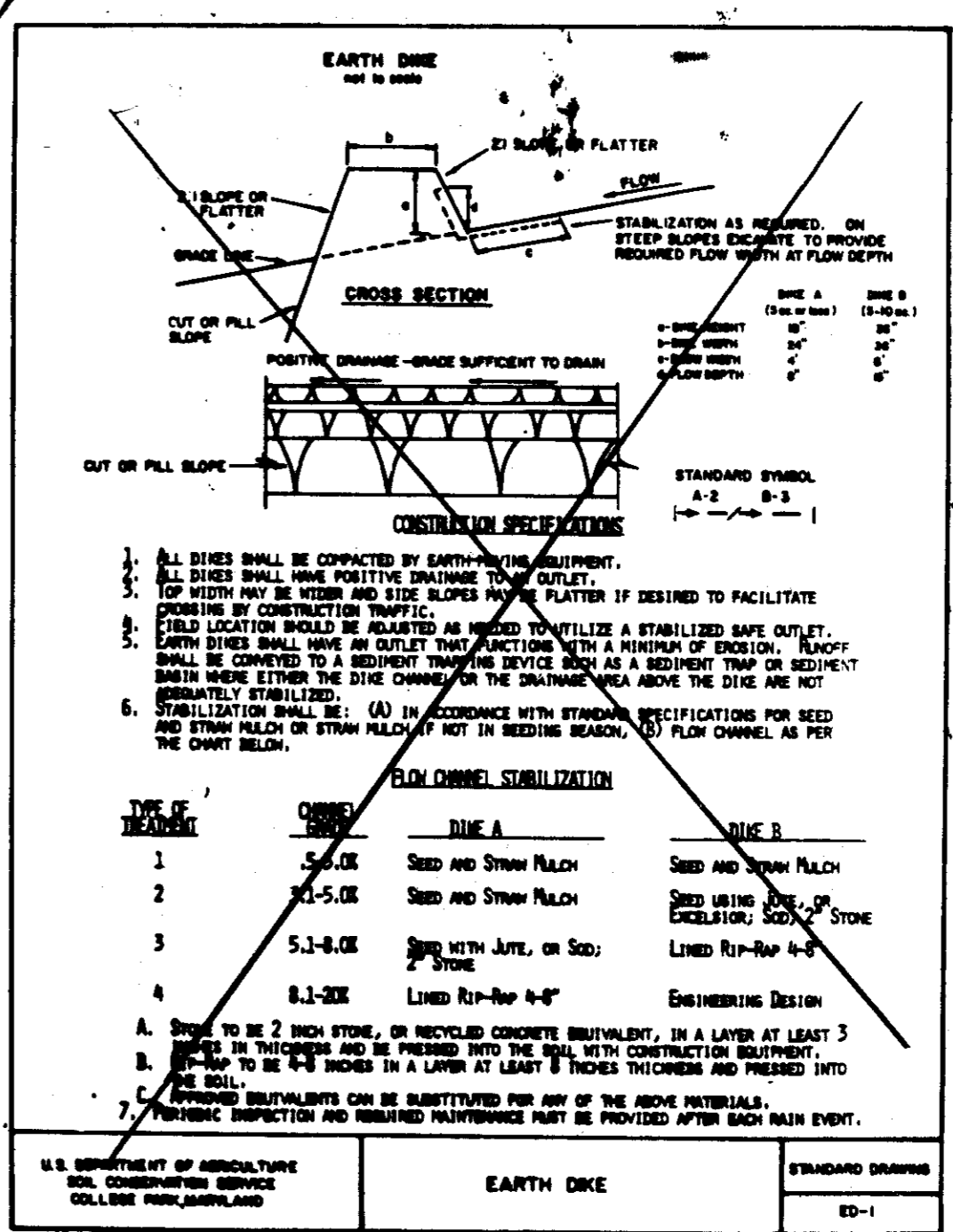
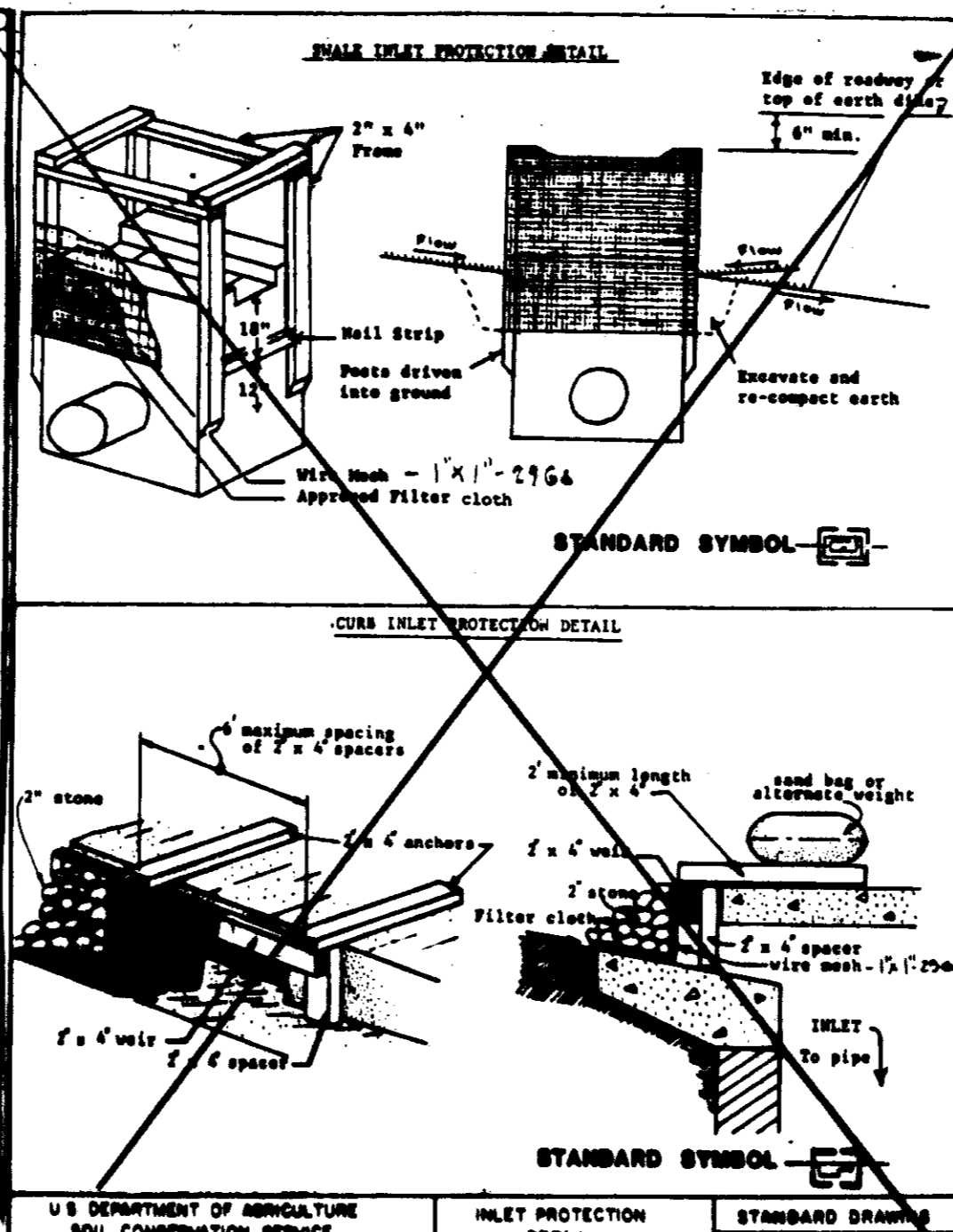
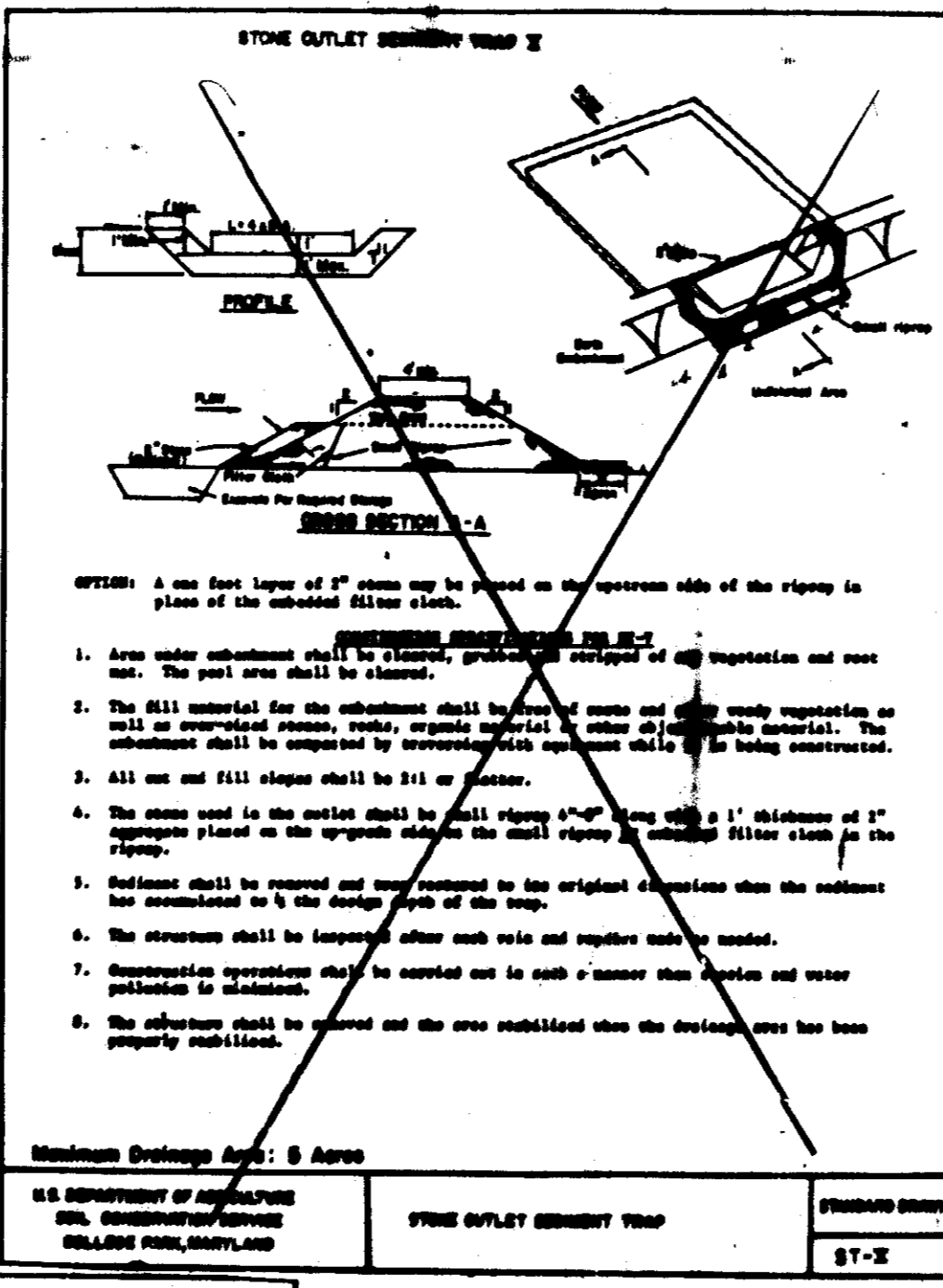
Slope Steepness	Maximum Slope Length (ft)
3:1	50
4:1	75
5:1	125
6:1	175
Flatter than 5:1	200

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 will occur in the form of sheet erosion; and
4. There is no concentration of water flowing to the barrier.

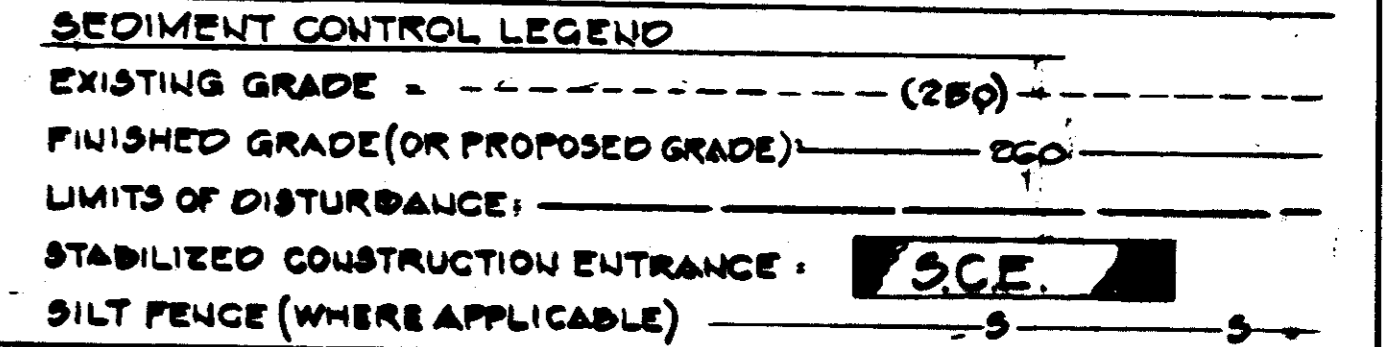
Design Criteria
Design computations are not required. All silt fences shall be placed at least 10 feet from the structure or building, and the area below the fence must be maintained or stabilized.

Details 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.
2. The type, size, and spacing of fence posts.
3. The type, size, and spacing of fence posts.
4. 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 PERIMETER CONTROLS.
 3. INSTALL SEDIMENT CONTROL MEASURES.
 4. CLEAR AND GRUB REMAINDER OF SITE.
 5. ROUGH GRADE SITE. STABILIZE AS REQUIRED.
 6. INSTALL UTILITIES.
 7. INSTALL SUB BASE PAYMENT.
 8. INSTALL PAVEMENT SURFACE COURSE AND CURB.
 9. FINE GRADE SITE AND STABILIZE AS REQUIRED.
 10. AFTER FINAL INSPECTION, STABILIZE SITE AS REQUIRED. REMOVE SEDIMENT CONTROL MEASURES AFTER PERMISSION FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.



APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE
HOWARD COUNTY HEALTH DEPARTMENT

J. B. Bogler
COUNTY HEALTH OFFICER
3/11/92
DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE
HOWARD COUNTY DEPARTMENT OF PLANNING & DEVELOPMENT

James A. Blum
DIRECTOR
3/18/92
DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

James A. Blum
DIRECTOR
3/18/92
DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

James A. Blum
DIRECTOR
3/18/92
DATE

SEDIMENT CONTROL

DETAILS AND SPECIFICATIONS

MAGCO INCORPORATED
PROFESSIONAL ADDITION TO APPROVED SOP 84-300
7450 MONTPELIER ROAD
1ST. ELECT. DISTR. HO. CO. MD.
TAX MAP 4.3 PAR. P 88
SCALE: N.A. SEPT 11, 1991

OWNER/DEVELOPER
MAGCO INCORPORATED
7450 MONTPELIER RD
JESSUP, MD. 20734

ENGINEERS
L.A. SPITTEL
1928 WOODSTOCK RD, #1163
WOODSTOCK, MD.
2165-2390

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 and 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."

MARK GAULIN 9-15-91
Signature of Developer Date

() By the Engineer:

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

LOUIS ALBERT SPITTEL 9-18-91
Signature of Engineer Date

() Reviewed for HOWARD S.C.D. and MARYLAND DEPARTMENT OF NATURAL RESOURCES
S.S. Soil Conservation Date

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

3/2/92
DATE