

JUNCTION INDUSTRIAL PARK
PARCEL 'A-1'
PLAT G270
ZONED M-2

JUNCTION INDUSTRIAL PARK
PARCEL 'C-2'
PLAT G500
ZONED M-2

A. B. HURD
573/45
ZONED M-2

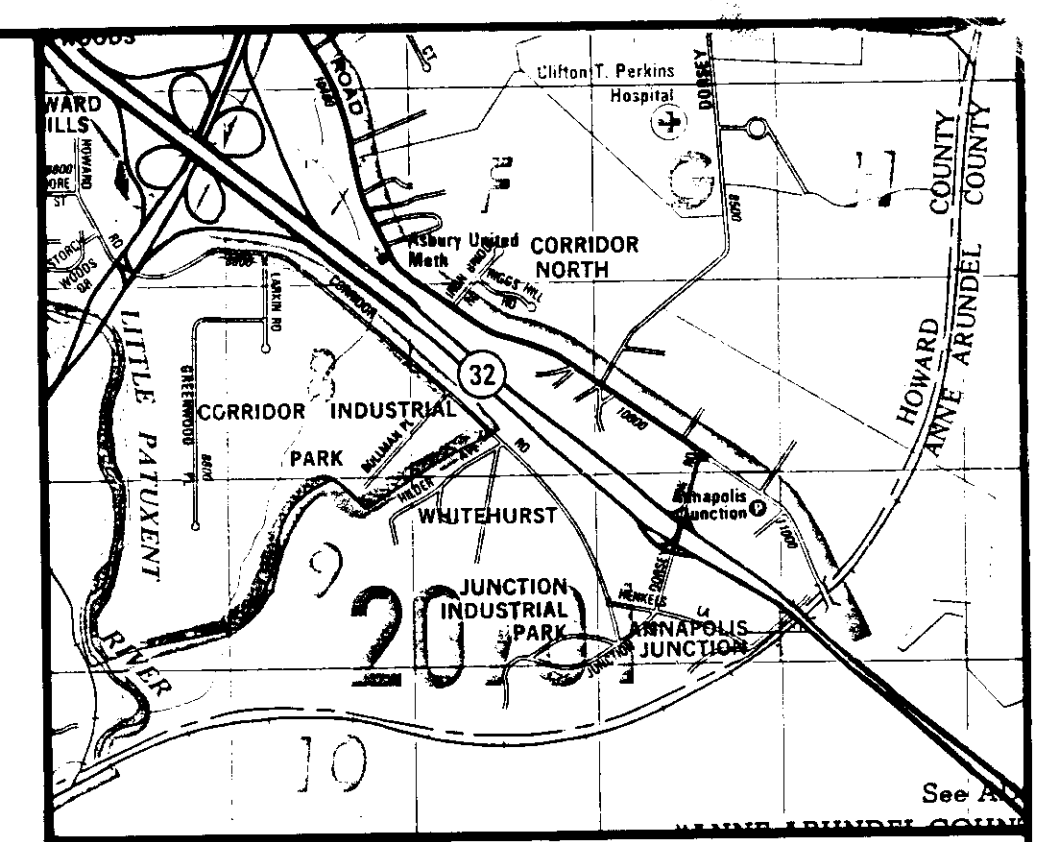
ALBERT WEIR
225/500
ZONED M-2

CONSTRUCTION NOTES

- C-1 NEW BITUMINOUS PAVING, SEE DETAIL 6 ON SHEET SD-6.
- C-2 NEW 5" CONCRETE SIDEWALK, SEE DETAIL 7 ON SHEET SD-6.
- C-3 NEW BITUMINOUS DRIVEWAY ENTRANCE.
- C-4 NEW 8" CONCRETE PAVING, SEE DETAIL 5 ON SHEET SD-6.
- C-5 NEW STANDARD 7" CURB & GUTTER COMBINATION, REFER TO HOWARD COUNTY MD. STANDARD SPECIFICATIONS & DETAILS FOR CONSTRUCTION, STD. PLATE R-3.01.
- C-6 PAVEMENT MARKINGS TO BE DONE WITH YELLOW TRAFFIC PAINT, SEE DETAIL 8 ON SHEET SD-6.
- C-7 NEW HANDICAP RESERVE PARKING SIGNS, SEE DETAIL 10 ON SHEET SD-6.
- C-8 REMOVE EXISTING CURB & GUTTER.
- C-9 MEET EXISTING GRADE.
- C-10 HANDICAP PAVING MARKING, SEE DETAIL 11 ON SHEET SD-6.

UTILITY NOTES

- U-1 INSTALL NEW 15" CMP 16 GA.
- U-2 INSTALL NEW DOUBLE '6"-COMB. INLET SEE SHEET SD-3 FOR INVERT & TOP ELEV.
- U-3 INSTALL NEW 6" PVC ROOF LEADER
- U-4 INSTALL NEW STANDARD MANHOLE SEE SHEET SD-3 FOR INVERT & TOP ELEV.
- U-5 REBUILD INLET SEE SHEET SD-3 FOR INVERT & TOP ELEV.
- U-6 INSTALL NEW 6" SANITARY SEWER
- U-7 REMOVE EXISTING CAP & BUTTRISS
- U-8 INSTALL 8" CAP & BUTTRISS
- U-9 INSTALL NEW 6" WATER HOUSE CONNECTION
- U-10 INSTALL NEW 8" FIRE LINE
- U-11 INSTALL NEW 6" FIRE HYDRANT TO INCLUDE TEE, VALVE, ROADWAY BOX AND 6" LEADER
- U-12 INSTALL 8" X 8" TEE
- U-13 INSTALL 8" X 6" TEE
- U-14 INSTALL 1/8 BEND
- U-15 SEE MECHANICAL DRAWINGS FOR CONTINUATION



VICINITY MAP
SCALE: 1" = 2000'

GENERAL NOTES

- A. PRIOR TO THE START OF ANY CONSTRUCTION THE CONTRACTOR SHALL STAKE OUT ALL BASELINES, BUILDING LOCATION, AND CURBS; AND VERIFY OFFSETS AND SETBACKS.
- B. THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT TELEPHONE NO. (301) 599-0100 AT LEAST 72 HOURS PRIOR TO STARTING EXCAVATION TO VERIFY ALL LOCATIONS OF EXISTING UTILITIES.
- C. ALL CONSTRUCTION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH HOWARD COUNTY, DEPARTMENT OF PUBLIC WORK STANDARDS, SPECIFICATIONS AND REQUIREMENTS.
- D. THE INFORMATION SHOWN ON THESE PLANS IS FOR THE CONVENIENCE OF THOSE CONCERNED ONLY. THE CORRECTNESS OR COMPLETENESS OF THE INFORMATION SHOWN IS NOT WARRANTED OR GUARANTEED. THE CONTRACTOR SHALL VERIFY ALL INFORMATION TO HIS OWN SATISFACTION.
- E. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
- F. ALL DISTURBED AREAS NOT STABILIZED WITH PAVING, BUILDING, SODDING OF MULCH IN PLANTING AREAS SHALL BE SEEDED AND MULCHED.
- G. STORM WATER MANAGEMENT PROVIDED IN PARCEL R-1 UNDER FINAL PLANS F-84-204.

SITE DATA

AREA - 3.6114 AC
ZONING - M-2
ELECTION DISTRICT - 6TH

OPEN SPACE DATA

TOTAL AREA	157,312.6 S.F.
BUILDING	15,931 S.F. = 10% OF TOTAL AREA
PAVING	51,882 S.F.
OPEN SPACES	99,500 S.F.

99,500 - 157,312.6 = 63,258

PARKING DATA

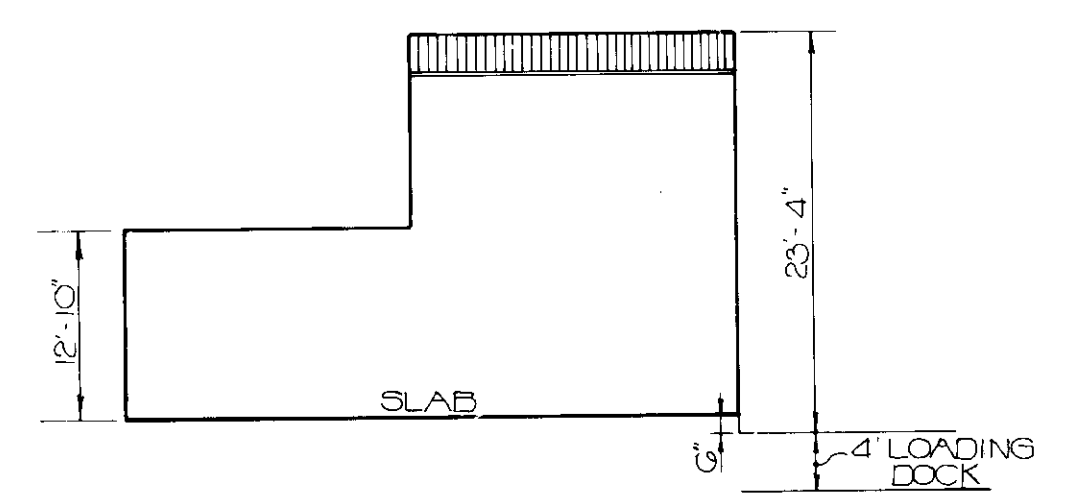
REQUIRED: 18 OFFICE EMPLOYEES X .70 (7 SP/10 EMPLOYEES) = 13 SPACES
11 WAREHOUSE EMPLOYEES X .50 (1 SP/2 EMPLOYEES) = 6 SPACES

PROVIDED:
STANDARD - 49 SPACES
HANDICAPPED - 2 SPACES
51 SPACES

PAVED AREA = 41,882
REQUIRED LANDSCAPE ISLAND AREA = 5% X 41,882 = 2,094 S.F.
PROPOSED LANDSCAPE ISLAND AREA = 3,490 S.F. = 8%

PLAN

SCALE: 1" = 30'



BUILDING PROFILE
NOT TO SCALE

LEGEND

CONSTRUCTION NOTE	EXISTING	NEW
UTILITY NOTE		(U-2)
BITUMINOUS CONCRETE PAVING		(C-1)
CONCRETE PAVING		(C-2)
CURB AND GUTTER		(C-3)
STORM DRAIN	EX 24" S.D.	(C-4)
SANITARY SEWER	EX 8" SAN.	(C-5)
WATER	EX 12" W.	(C-6)
PARKING SPACES		(10)

ADDRESS CHART

LOT NUMBER	STREET ADDRESS
'B-2'	3010 JUNCTION DRIVE

WATER CODE	SEWER CODE
CO4	4020000

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

James J. Lee 10/14/87
DIRECTOR DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
HOWARD COUNTY DEPARTMENT OF HEALTH

see Boyd per C... 10/16/87
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

10-28-87
PLANNING DIRECTOR DATE

10-26-87
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE

10/18/87 REVEAL WATER EASEMENT

DATE	NO.	REVISION

THE JUNCTION INDUSTRIAL PARK
6TH ELECTION DISTRICT, HOWARD CO. MD 21057
SECTION 1 AREA 1
PARCEL 'B-2'

TITLE: **LAYOUT AND UTILITY PLAN**
(BUILDING REVISION TO SDP-87-110)

OWNER: **FIRE-MAX SPRINKLER SYSTEMS, INC.**
3107 LORENA AVENUE
BALTIMORE, MARYLAND 21230

ENGINEERS: **WHITNEY** Consulting Engineers
1850 York Road
Timonium, Maryland 21093
BAILEY
COX
MAGNANI 301 252 6366

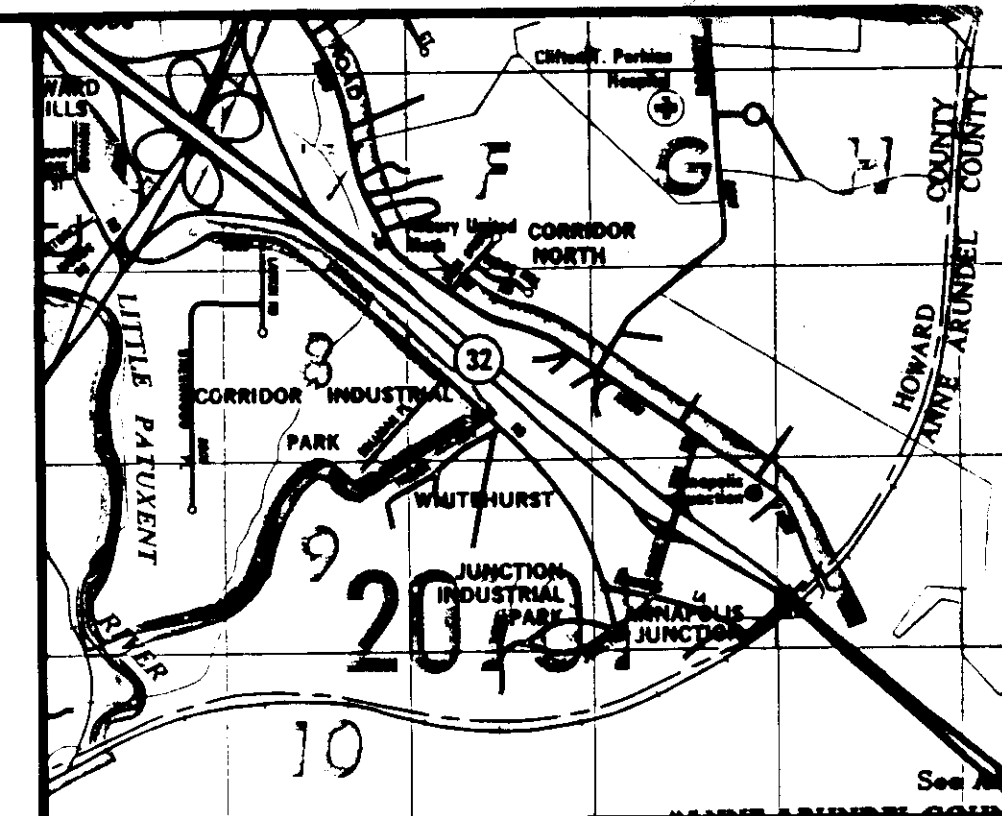
DATE: 9/4/87

DESIGNED: R.Z.D.
DRAWN: MEW
CHECKED: P.D.
PROJECT NO.: 8G200
DATE: SEPT. 4, 1987
SCALE: 1" = 30'
DRAWING NO.: 1 OF 5

PROFESSIONAL ENGR. NO. 9572
SDP-88-21

SD-1

8-25-87
JMM



VICINITY MAP
SCALE 1" = 2000'

GENERAL NOTES

- REFER TO "1983 STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" FOR STANDARD DETAILS AND DETAILED SPECIFICATIONS OF EACH PRACTICE SPECIFIED HEREIN.
- WITH THE APPROVAL OF THE SEDIMENT CONTROL INSPECTOR, MINOR FIELD ADJUSTMENTS CAN BE MADE TO INSURE THE CONTROL OF ANY SEDIMENT. CHANGES IN SEDIMENT CONTROL PRACTICES REQUIRE PRIOR APPROVAL OF THE SEDIMENT CONTROL INSPECTOR AND THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.
- AT THE END OF EACH WORKING DAY, ALL SEDIMENT CONTROL PRACTICES WILL BE INSPECTED AND LEFT IN OPERATIONAL CONDITION.
- FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: A.) SEVEN CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER CONTROL STRUCTURES, DITCHES, PERIMETER SLOPES, AND ALL SLOPES GREATER THAN 3 HORIZONTAL TO 1 VERTICAL; (C.1) AND (B.) FOURTEEN DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- ANY CHANGE TO THE GRADING PROPOSED ON THIS PLAN REQUIRES RE-SUBMISSION TO HOWARD COUNTY SOIL CONSERVATION DISTRICT FOR APPROVAL.
- DUST CONTROL WILL BE PROVIDED FOR ALL DISTURBED AREAS. REFER TO USDA SOIL CONSERVATION SERVICE "1983 - STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL", PP. 62.01 AND 62.02 FOR ACCEPTABLE METHODS AND SPECIFICATIONS FOR DUST CONTROL.
- ANY VARIATION FROM THE SEQUENCE OF OPERATIONS STATED ON THIS PLAN REQUIRES THE APPROVAL OF THE SEDIMENT CONTROL INSPECTOR AND THE HOWARD COUNTY SOIL CONSERVATION DISTRICT PRIOR TO THE INITIATION OF THE CHANGE.

PERMANENT SEEDING NOTES

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

SEEDING 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:

- 1) **PREPARED** - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS/1000 SQ FT) AND 600 LBS PER ACRE 18-18-18 FERTILIZER (14 LBS/1000 SQ FT) BEFORE SEEDING. HARROW OR DISC INTO UPPER THREE INCHES OF SOIL. AT TIME OF SEEDING, APPLY 900 LBS PER ACRE 30-0-0 UREAFORM FERTILIZER (3 LBS/1000 SQ FT).
- 2) **ACCEPTABLE** - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE 992 LBS/1000 SQ FT) AND 1000 LBS PER ACRE 18-18-18 FERTILIZER (23 LBS/1000 SQ FT) BEFORE SEEDING. HARROW 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 (14 LBS/1000 SQ FT) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 THRU JULY 31, SEED WITH 60 LBS KENTUCKY TALL FESCUE PER ACRE AND 2 LBS PER ACRE C.05 LBS/1000 SQ FT) OF KEEPING 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 AS SOON AS POSSIBLE IN THE SPRING. OPTION (2) USE SOO. OPTION (3) SEED WITH 90 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 2 1/2 GALLONS PER ACRE (5 GAL/1000 SQ FT) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 8 FEET OR HIGHER, USE 3/8 GALLONS PER ACRE (8 GAL/1000 SQ FT) FOR ANCHORING.

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

TEMPORARY SEEDING NOTES

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

SEEDING PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING 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 AUGUST 1 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 15, SEED WITH 3 LBS OF KEEPING LOVEGRASS (0.7 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 SOO.

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 2 1/2 GALLONS PER ACRE (5 GAL/1000 SQ FT) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 8 FEET OR HIGHER, USE 3/8 GALLONS 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.

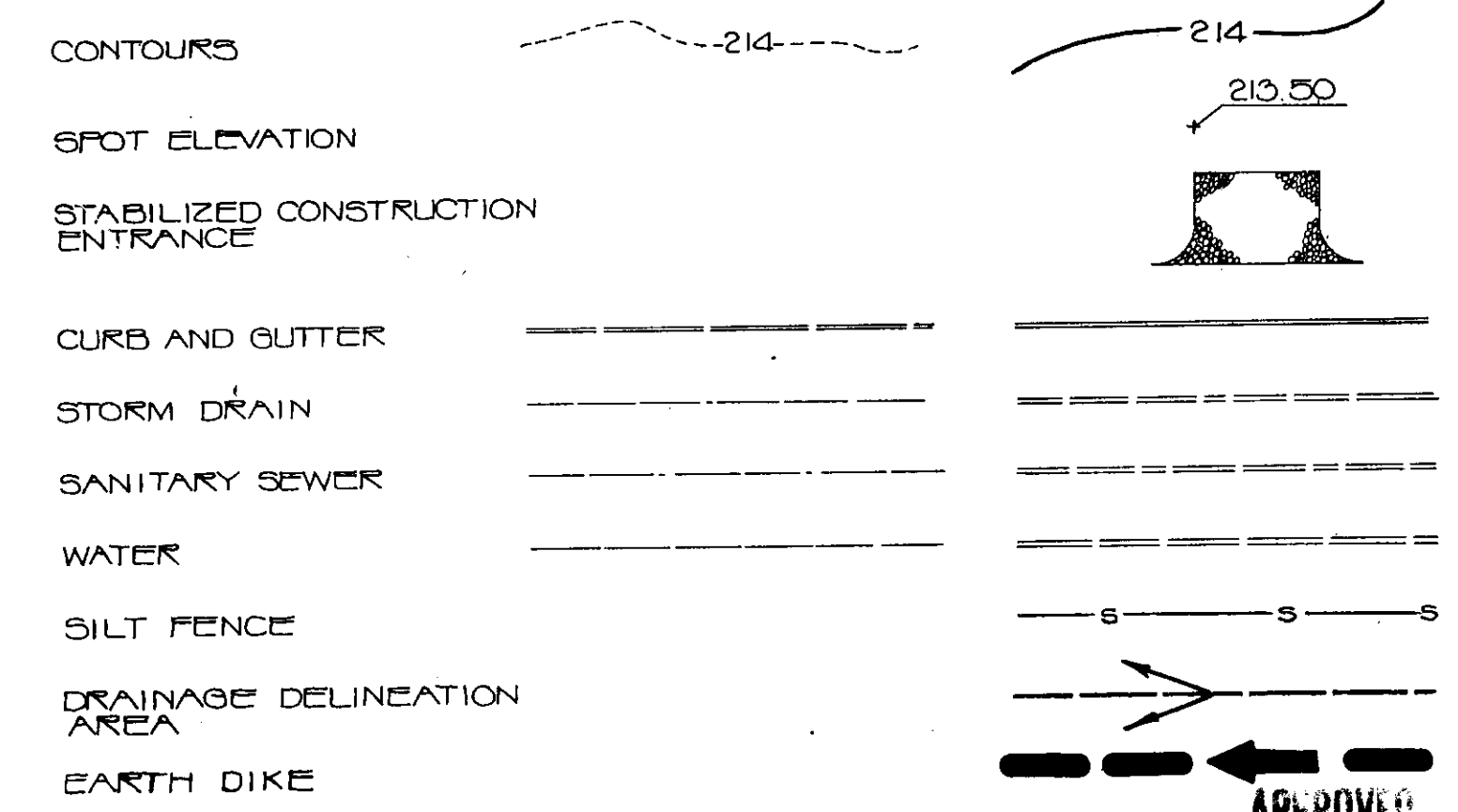
STONE OUTLET SEDIMENT TRAP #1

PROP DRAINAGE AREA - 0.87 ACRES
EX DRAINAGE AREA - 0.14 ACRES
REQUIRED STORAGE - 1850 C.F.
PROVIDED STORAGE - 1650 C.F.
DIMENSIONS - 22 x 25
DEPTH - 3'
TOP ELEVATION - 210
BOTTOM ELEVATION - 207
EMBANKMENT ELEV. - 211
OUTLET - 20" WIDE

STONE OUTLET SEDIMENT TRAP #2

PROP DRAINAGE AREA - 1.84 ACRES
EX DRAINAGE AREA - 0.31 ACRES
REQUIRED STORAGE - 3512 C.F.
PROVIDED STORAGE - 3432 C.F.
DIMENSIONS - 22 x 52
DEPTH - 3'
TOP ELEVATION - 208
BOTTOM ELEV. - 205
CLEAN OUT - 20" x 5
EMBANKMENT ELEV. - 200
OUTLET - 8" WIDE

LEGEND



- SEDIMENT CONTROL NOTES**
- 1) A MINIMUM OF 24 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY OFFICE OF INSPECTIONS AND PERMITS PRIOR TO THE START OF ANY CONSTRUCTION (892-2437).
 - 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 REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: (A.) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DITCHES, 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) & SOO (SEC. 54), TEMPORARY SEEDING (SEC. 50) & MULCHING (SEC. 52).
 - 6) ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMISSION FOR THE REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
 - 7) **SITE ANALYSIS:**
TOTAL AREA OF SITE: 0.9114 ACRES
AREA DISTURBED: 0.90 ACRES
AREA TO BE ROOFED OR PAVED: 1.48 ACRES
AREA TO BE VEGETATIVELY STABILIZED: 0.00 ACRES
TOTAL CUT: 11,855 CU. YD
TOTAL FILL: 11,855 CU. YD
OFFSITE WASTE/BORROW AREA LOCATION: 1.804
 - 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 CONTROL MUST BE PROVIDED, IF DEEMED NECESSARY, BY THE HOWARD COUNTY OPM SEDIMENT CONTROL INSPECTOR.

APPROVED
DIVISION OF LAND DEVELOPMENT
PLANNING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE: 8-25-87
M. Hamm

"BUILDING REVISION TO SDF-87-110"

SUBDIVISION NAME JUNCTION INDUSTRIAL PARK	SECT./AREA 1/1	LOT/PARCEL # "B-2"
PLAT G355	BLOCK 10	ZONE M-2
TAX/ZONE MAP 48	ELEC. DIST. 3	CENSUS TR. G004
WATER CODE CO4		
SEWER CODE 4020000		
APPROVED FOR PUBLIC WATER AND SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS		
James P. Lee DIRECTOR	10/12/87 DATE	
Philip D. Deo CHIEF, BUREAU OF ENGINEERING	10-14-87 DATE	
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY DEPARTMENT OF HEALTH		
George Boyd COUNTY HEALTH OFFICER	10/16/87 DATE	
APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING		
Philip D. Deo PLANNING DIRECTOR	10-28-87 DATE	
Philip D. Deo SITING DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION	10-28-87 DATE	

SD-2

DATE	NO.	REVISION
THE JUNCTION INDUSTRIAL PARK 6TH ELECTION DISTRICT, HOWARD CO, MD 21057 SECTION 1 AREA 1 PARCEL "B-2"		
TITLE: GRADING & SEDIMENT CONTROL PLAN AND DRAINAGE AREAS		
OWNER: FIRE-MAK SPRINKLER SYSTEMS, INC. 3107 LORENA AVENUE BALTIMORE, MARYLAND 21230		
ENGINEERS: WHITNEY Bailey Cox Magnani Consulting Engineers 1850 York Road Timon, Md. Maryland 21093 301-252-6060		
DATE: 9/4/87	DESIGNED: RZD	
	DRAWN: MEW	
	CHECKED: PD	
	PROJECT NO.: EG200	
	DATE: SEPT. 4, 1987	
	SCALE: 1" = 30'	
	DRAWING NO.: 2 OF 3	

NOTE: FUTURE GRADE AND CURBS & GUTTER TO BE INSTALLED UNDER SDF-87-110.

JUNCTION INDUSTRIAL PARK
PARCEL 102
FLAT G070
ZONED M-2

JUNCTION INDUSTRIAL PARK
PARCEL "A-1"
FLAT G070
ZONED M-2

RESPONSIBLE PERSONNEL CERTIFICATION

I/WE HEREBY CERTIFY 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 EROSION AND SEDIMENT BEFORE BEGINNING THE PROJECT.

REVISION FOR HOWARD S.C.D., AND MEETS TECHNICAL REQUIREMENTS.
9-9-87
U.S. SOIL CONSERVATION SERVICE

J. MAKIBBIN 9/4/87
DATE

OWNER/DEVELOPER CERTIFICATION

I/WE HEREBY CERTIFY THAT ANY CLEARING, GRADING, CONSTRUCTION AND/OR DEVELOPMENT WILL BE DONE PURSUANT TO THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATION OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT.

J. MAKIBBIN 9/4/87
SIGNATURE OWNER/DEVELOPER

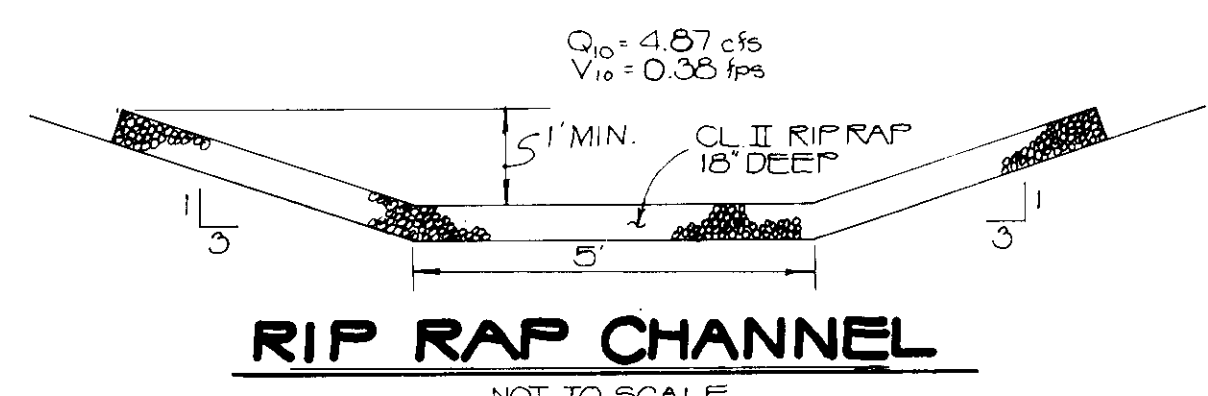
3107 LORENA AVE
BALTO MD 21230

ENGINEER'S CERTIFICATE

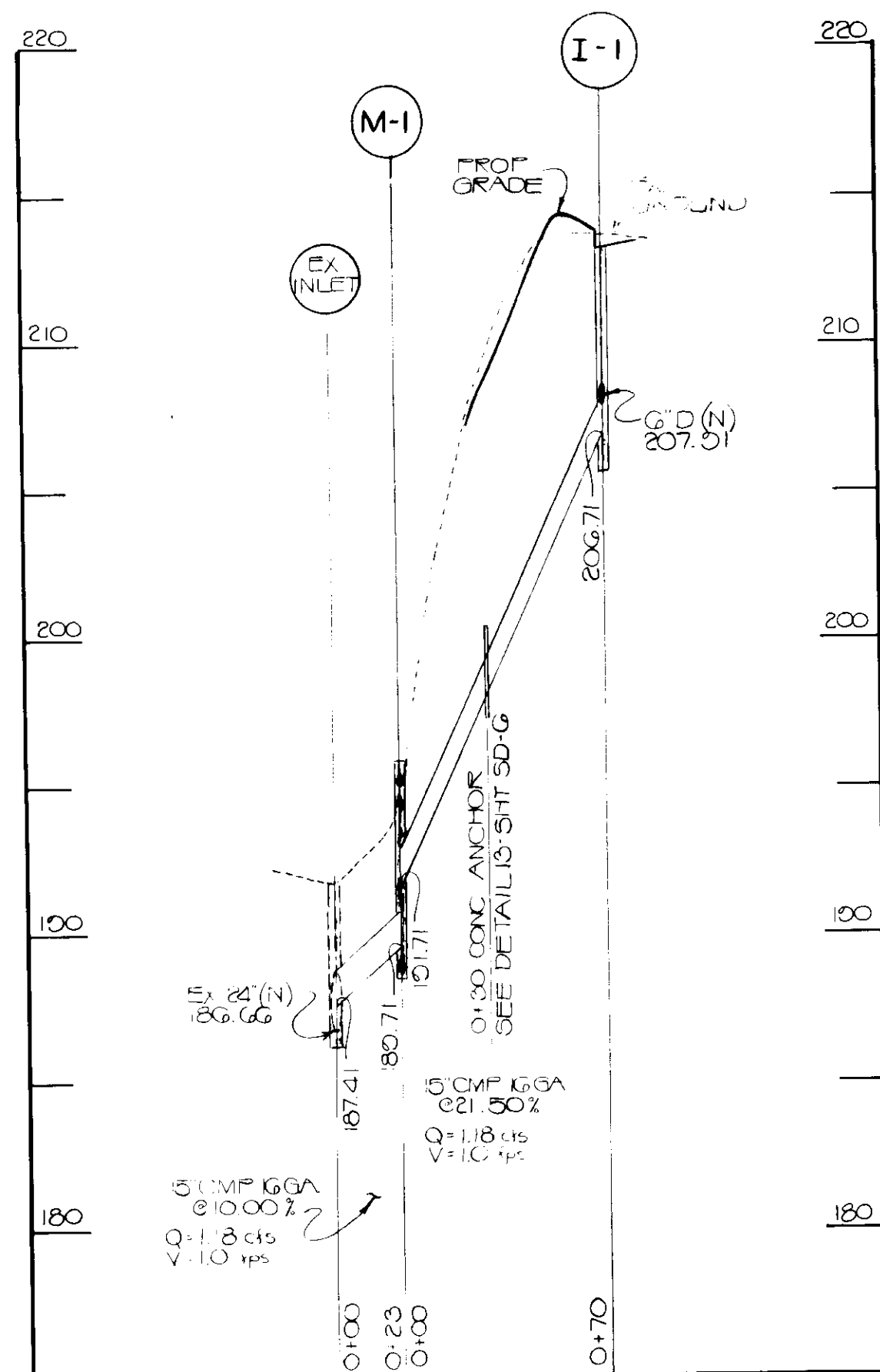
I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL, WORKABLE PLAN BASED ON PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENT OF THE HOWARD COUNTY EROSION AND SEDIMENT CONTROL SECTION.

Philip D. Deo
1850 YORK ROAD
TIMONIA, MD
ADDRESS

301-252-2566
PHONE

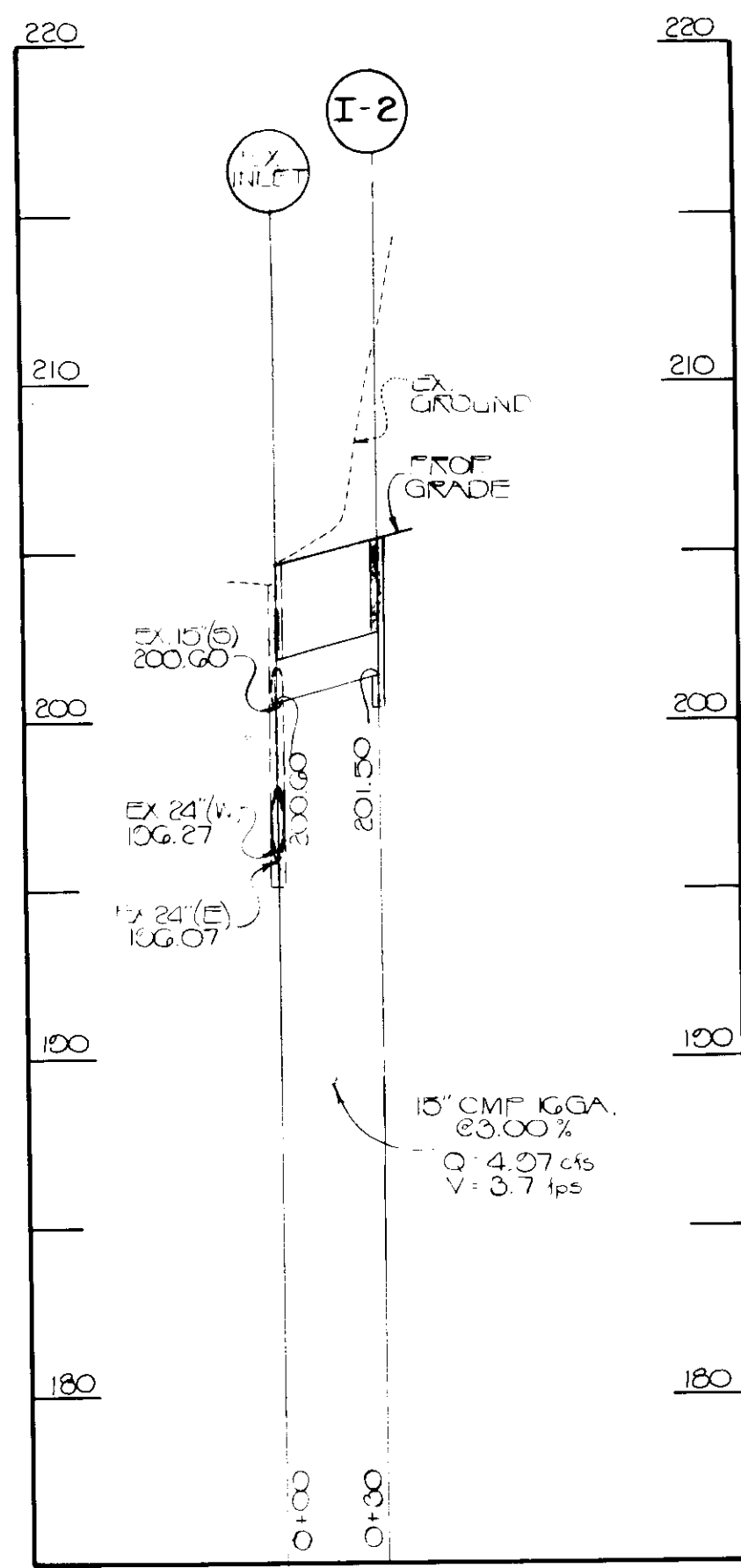


RIP RAP CHANNEL
NOT TO SCALE



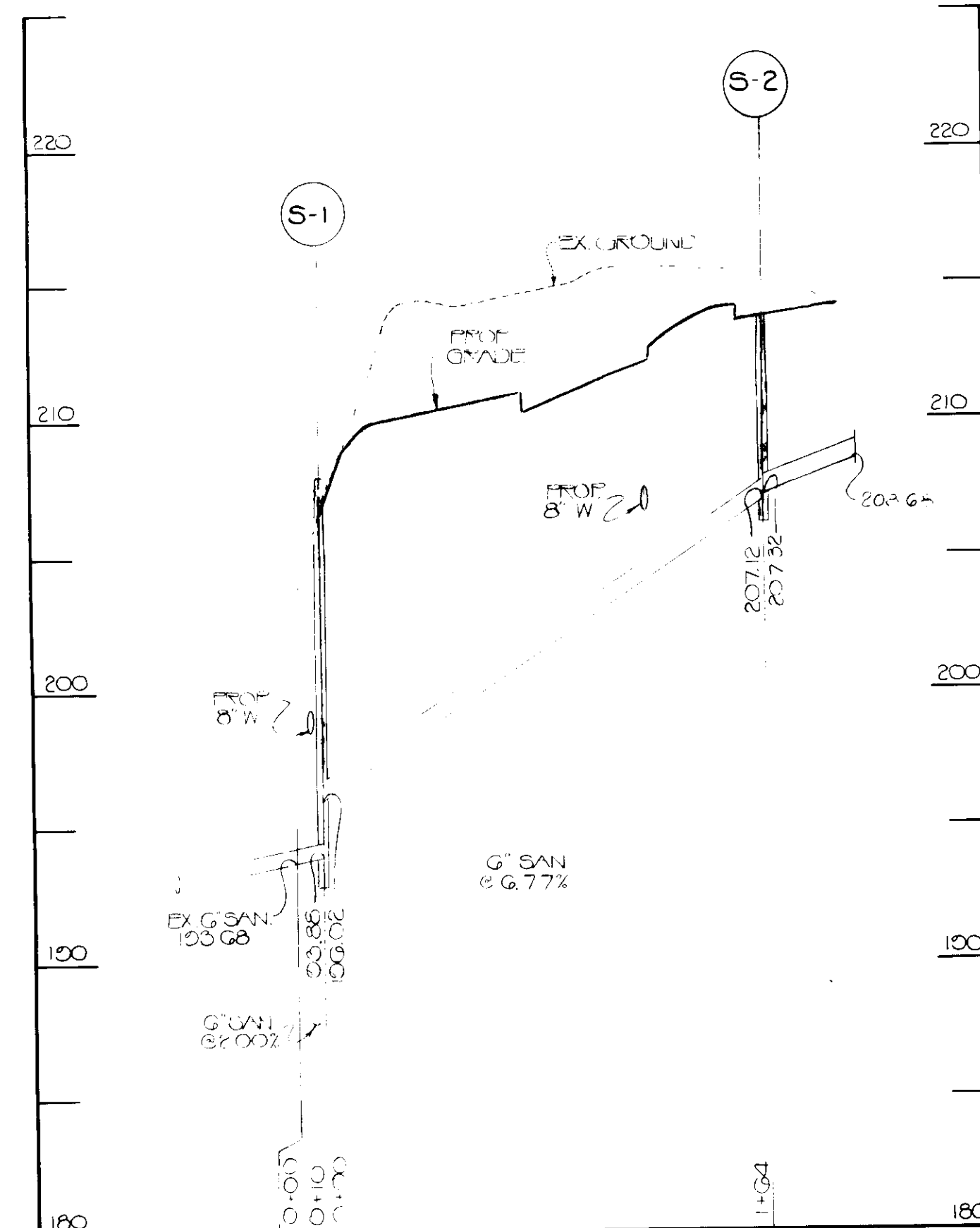
STORM DRAIN PROFILE

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



STORM DRAIN PROFILE

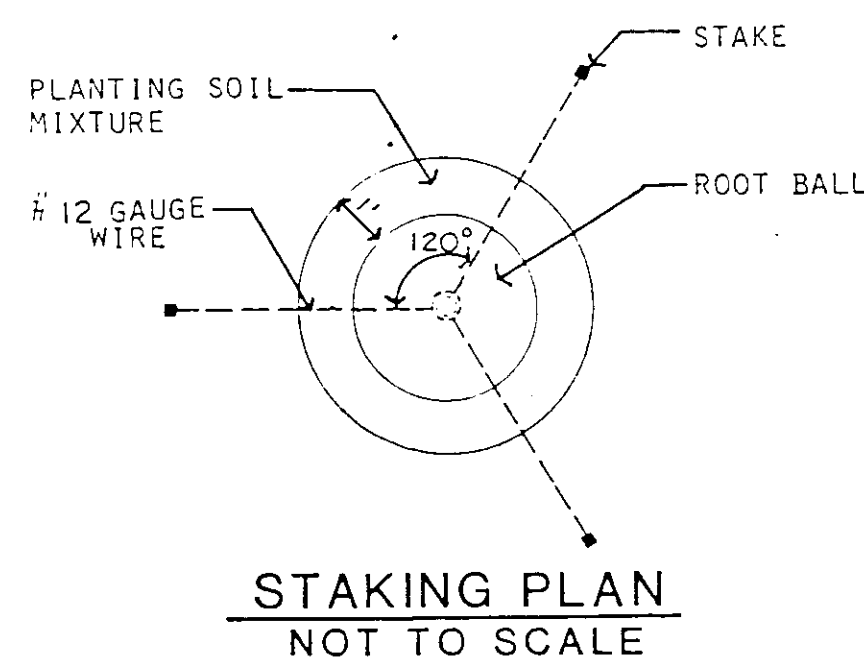
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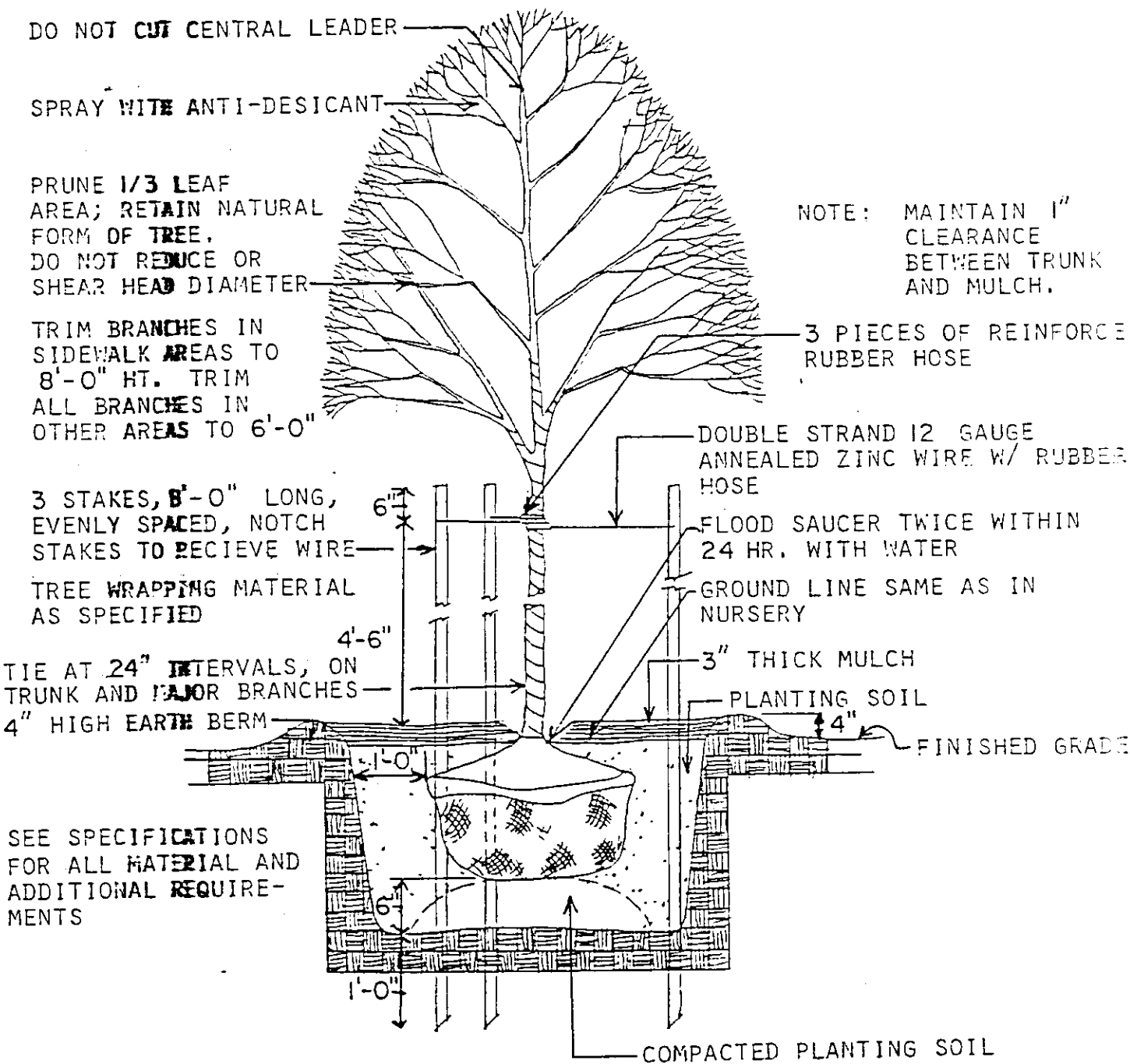
SANITARY SEWER PROFILE

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

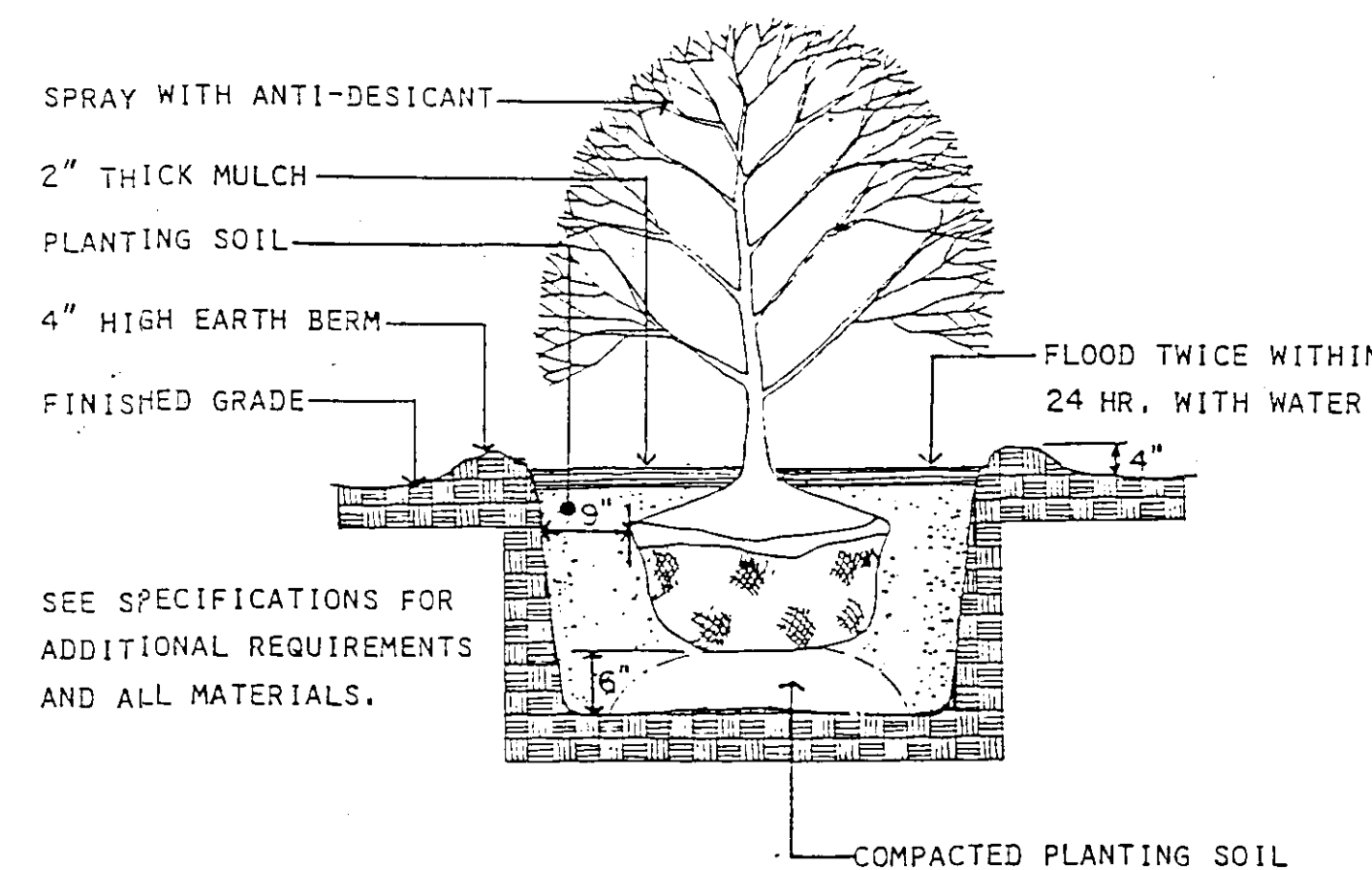
STRUCTURE SCHEDULE				
NO.	TYPE	INVERT IN	INVERT OUT	TOP ELEV.
I-1	TYPE 'S' COMB. HOWARD COUNTY STD. PLATE SD-4.32	209.51	206.7	213.20
I-2	TYPE 'S' DOUBLE GRATE HOWARD COUNTY STD. PLATE SD-4.22		201.50	205.70
M-1	TYPE 'A' UROP MANHOLE HOWARD COUNTY STD. PLATE S-1.32	191.71	180.71	194.00
S-1	TYPE 'A' UROP MANHOLE HOWARD COUNTY STD. PLATE S-1.32	196.02	195.88	208.00
S-2	STANDARD MANHOLE HOWARD COUNTY STD. PLATE G-5.12	207.32	207.12	215.60



STAKING PLAN
NOT TO SCALE



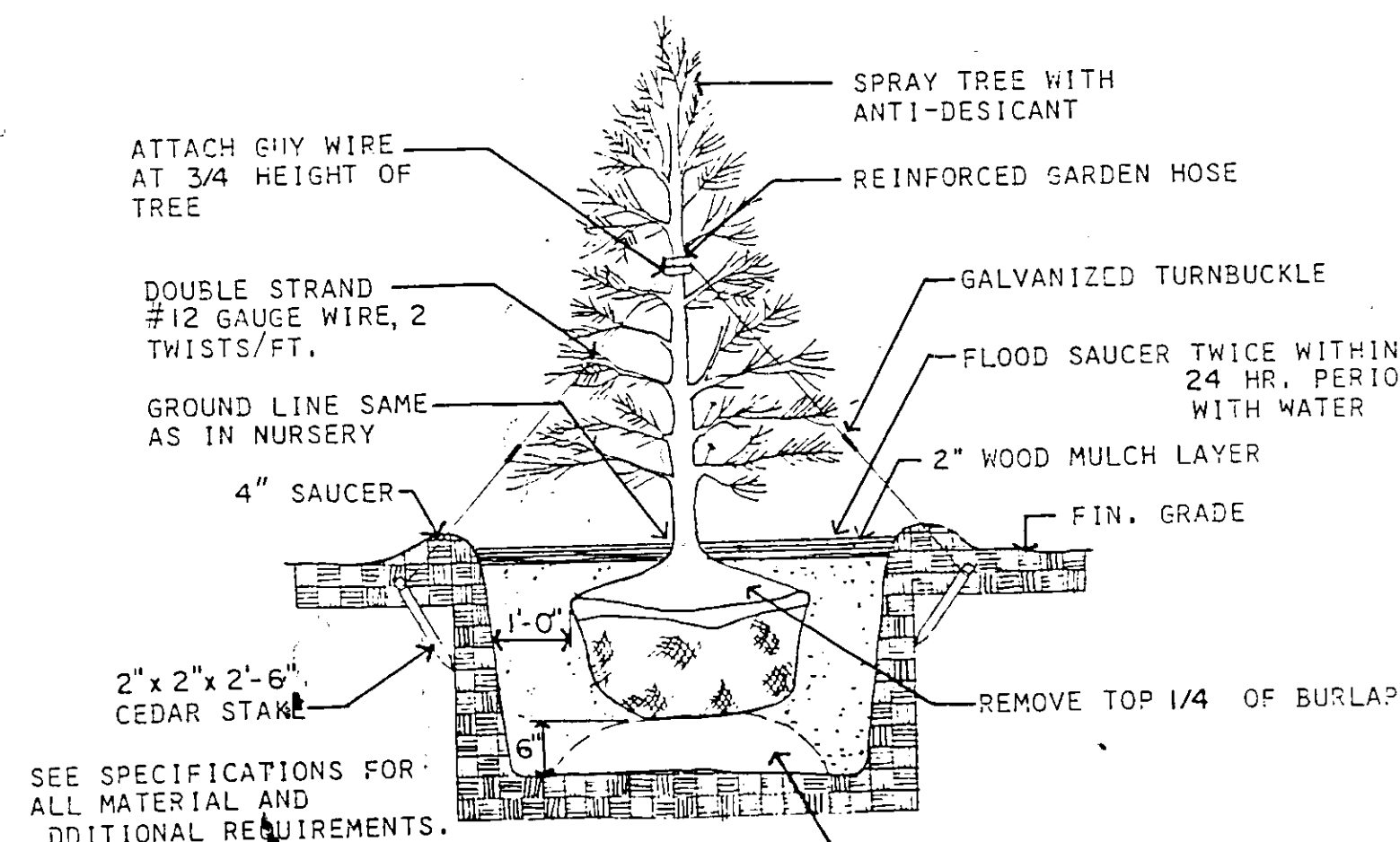
TREE PLANTING DETAIL
NOT TO SCALE



SHRUB PLANTING DETAIL
NOT TO SCALE

APPROVED
DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE: 8-25-87

SD-3



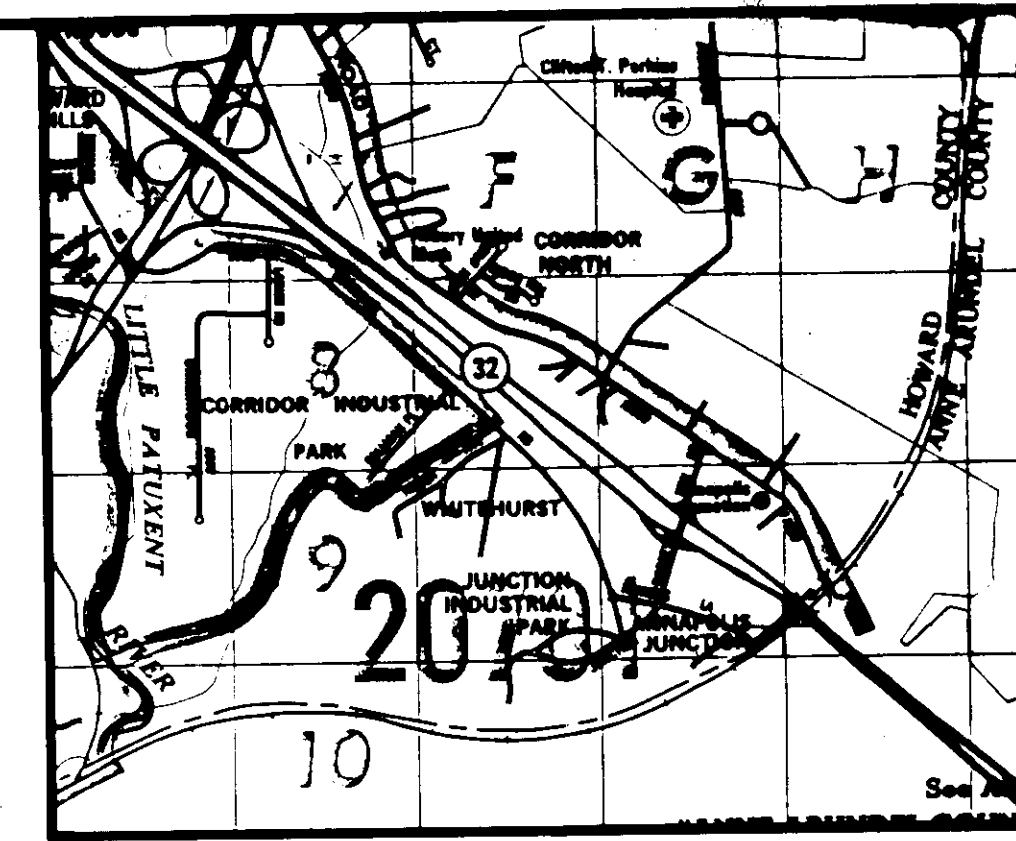
EVERGREEN TREE DETAIL
NOT TO SCALE

SUBDIVISION NAME THE JUNCTION INDUSTRIAL PARK		SECT./AREA V1	LOT/PARCEL 'B-2'
PLAT # G555	BLOCK # 10	ZONE M-2	TAX/ZONING MAP 48
ELEC. DIST. 8	CENSUS TR. 8084	SEWER CODE 4020000	
APPROVED: FOR PUBLIC WATER AND SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS DIRECTOR: [Signature] DATE: 10-14-87			
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY DEPARTMENT OF HEALTH CHIEF, BUREAU OF ENGINEERING: [Signature] DATE: 10-16-87			
APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING PLANNING DIRECTOR: [Signature] DATE: 10-23-87			
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION: [Signature] DATE: 10-26-87			

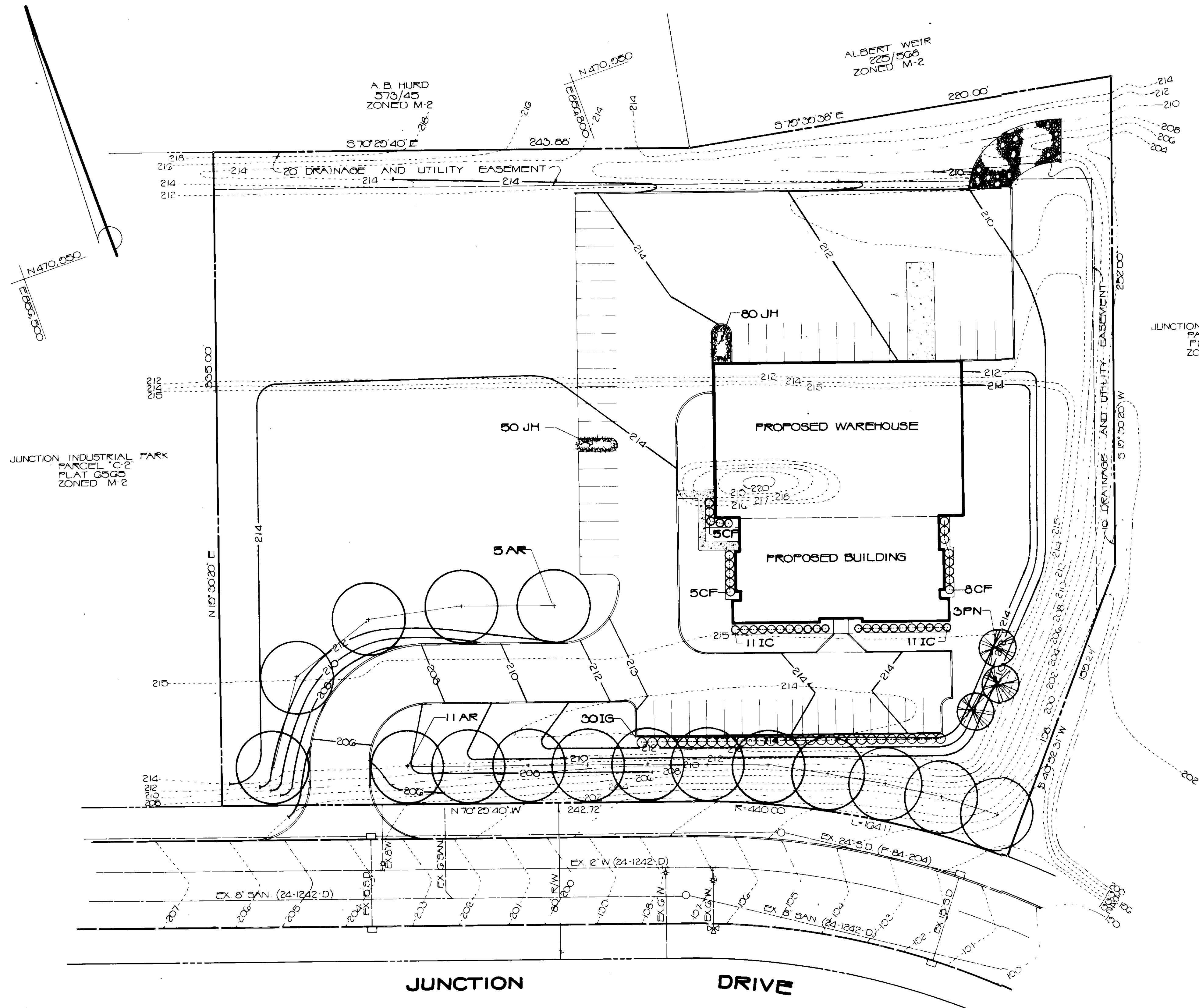
DATE NO.	REVISION
TITLE: THE JUNCTION INDUSTRIAL PARK 6th ELECTION DISTRICT, HOWARD CO. MD. 21057 SECTION 1 AREA 1 PARCEL 'B-2'	
OWNER: FIRE-MAK SPRINKLER SYSTEMS, INC. 3107 LORENA AVENUE BALTIMORE, MARYLAND 21230	
ENGINEERS: WHITNEY CONSULTING ENGINEERS 1850 York Road Timonium Md. 21083 301-252-6060	
DATE: 9/4/87	DESIGNED: J.L.B.
	DRAWN: M.E.W.
	CHECKED: P.D.
	PROJECT NO.: 86209
	DATE: SEPT. 4, 1987
	SCALE: 1"=30'
PROFESSIONAL ENGR. NO. 9972	DRAWING NO. 3 OF 5

GENERAL PLANTING NOTES

1. QUALITY AND SIZE OF PLANTS, SPREAD OF ROOTS, AND SIZE OF BALLS SHALL BE IN ACCORDANCE WITH THE STANDARDS OF THE AMERICAN ASSOCIATION OF NURSERMEN, "AMERICAN STANDARDS FOR NURSERY STOCK".
2. CONTRACTOR SHALL BE REQUIRED TO GUARANTEE ALL PLANTS MATERIALS FOR A PERIOD OF ONE YEAR AFTER INSTALLATION IS COMPLETE AND APPROVED. AT THE END OF ONE YEAR ALL PLANT MATERIAL WHICH IS DEAD OR DYING SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE WITH PLANT MATERIAL OF IDENTICAL TYPE, SIZE, AND CONDITION AS ORIGINALLY SPECIFIED.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO UTILITIES AND MAY MAKE MINOR ADJUSTMENTS IN SPACING AND/OR LOCATION OF PLANT MATERIALS TO AVOID CONFLICTS WITH UTILITIES. COORDINATE WITH UTILITY CONTRACTOR TO VERIFY 'AS BUILT' LOCATION OF ALL UTILITIES.
4. EVERGREEN TREES SHALL HAVE A FULL, WELL-BRANCHED, CONICAL FORM TYPICAL OF THE SPECIES.



VICINITY MAP
SCALE: 1" = 2000'



PLANT LIST					
KEY	QUAN.	BOTANICAL NAME / COMMON NAME	SIZE	ROOT	REMARKS
AR	16	ACER RUBRUM / RED MAPLE	2 1/2'-3' CAL.	B & B	
PN	3	PINUS NIGRA / AUSTRIAN PINE	6'-8'	B & B	
CF	16	CALYCANTHUS FLORIDUS / COMMON SWEET SHRUB	24'-30'	CONT.	
IG	30	ILEX GLABRA / INKBERRY	3'-4'	CONT. OR B & B	PLANT 5' O.C.
IC	22	ILEX ORENATA COMPACTA / COMPACT JAPANESE HOLLY	15'-24'	CONT.	PLANT 4' O.C.
JH	130	JUNIPERUS HORIZONTALIS / BLUE RUG BLUE RUG JUNIPER	15'-18'	CONT.	PLANT 18' O.C.

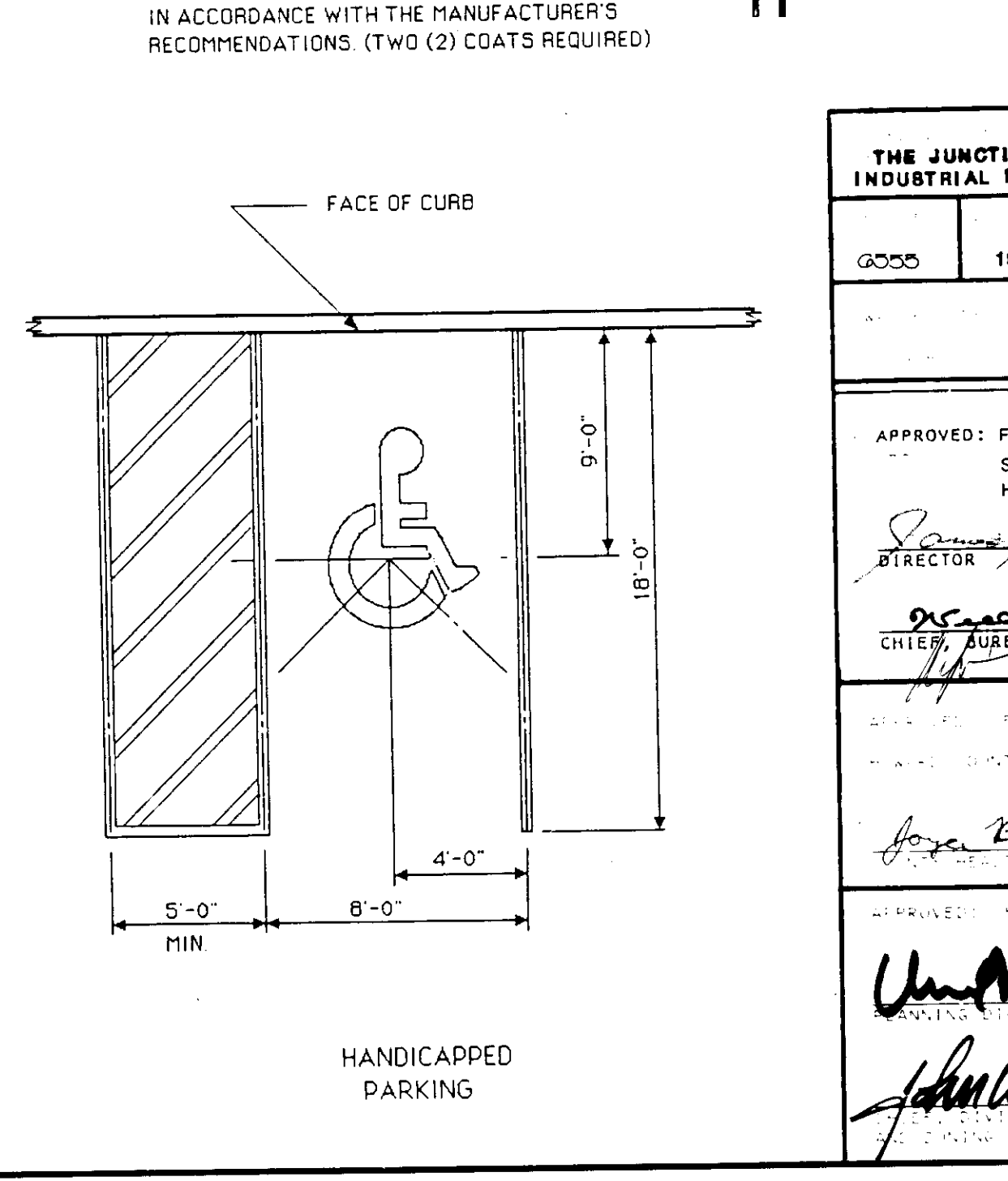
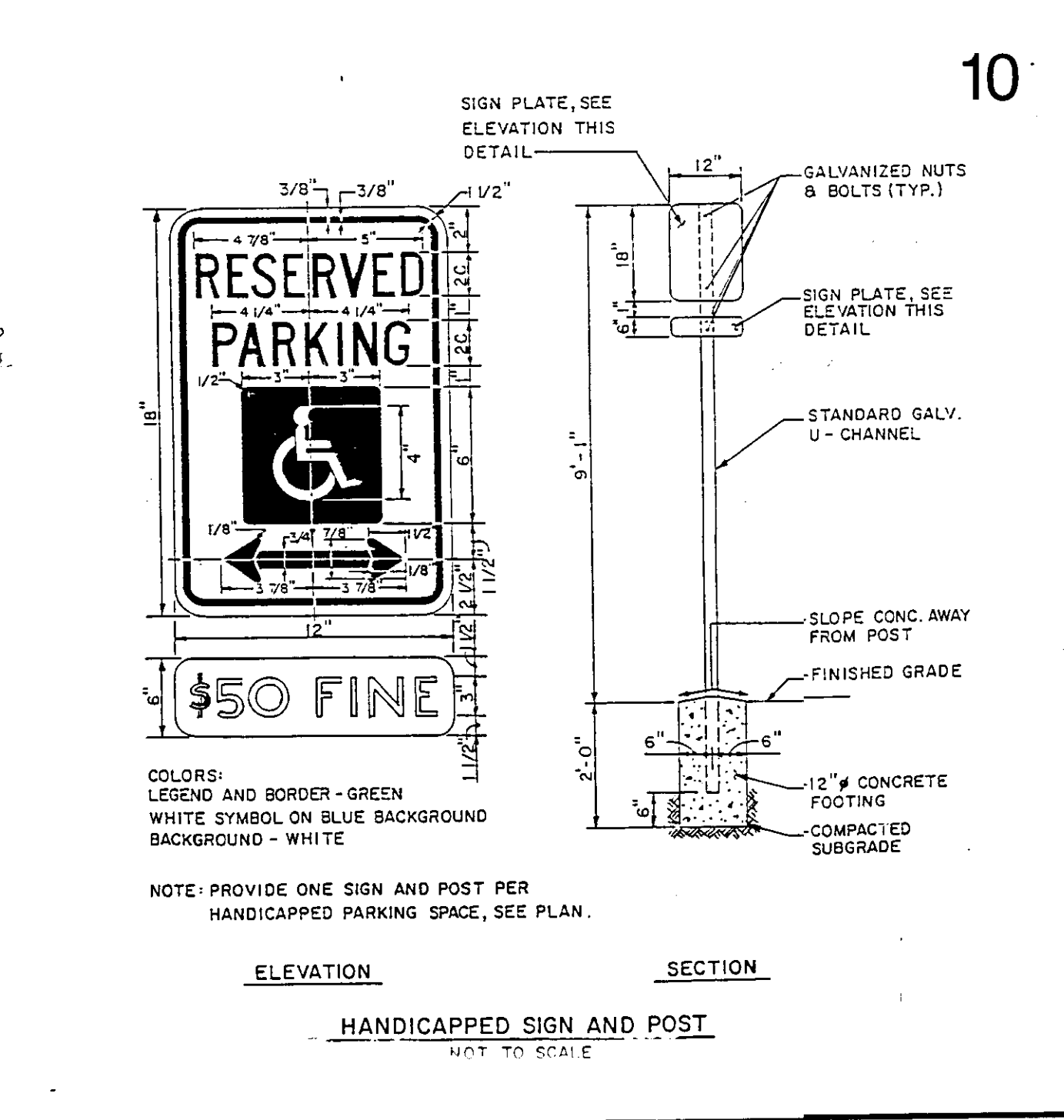
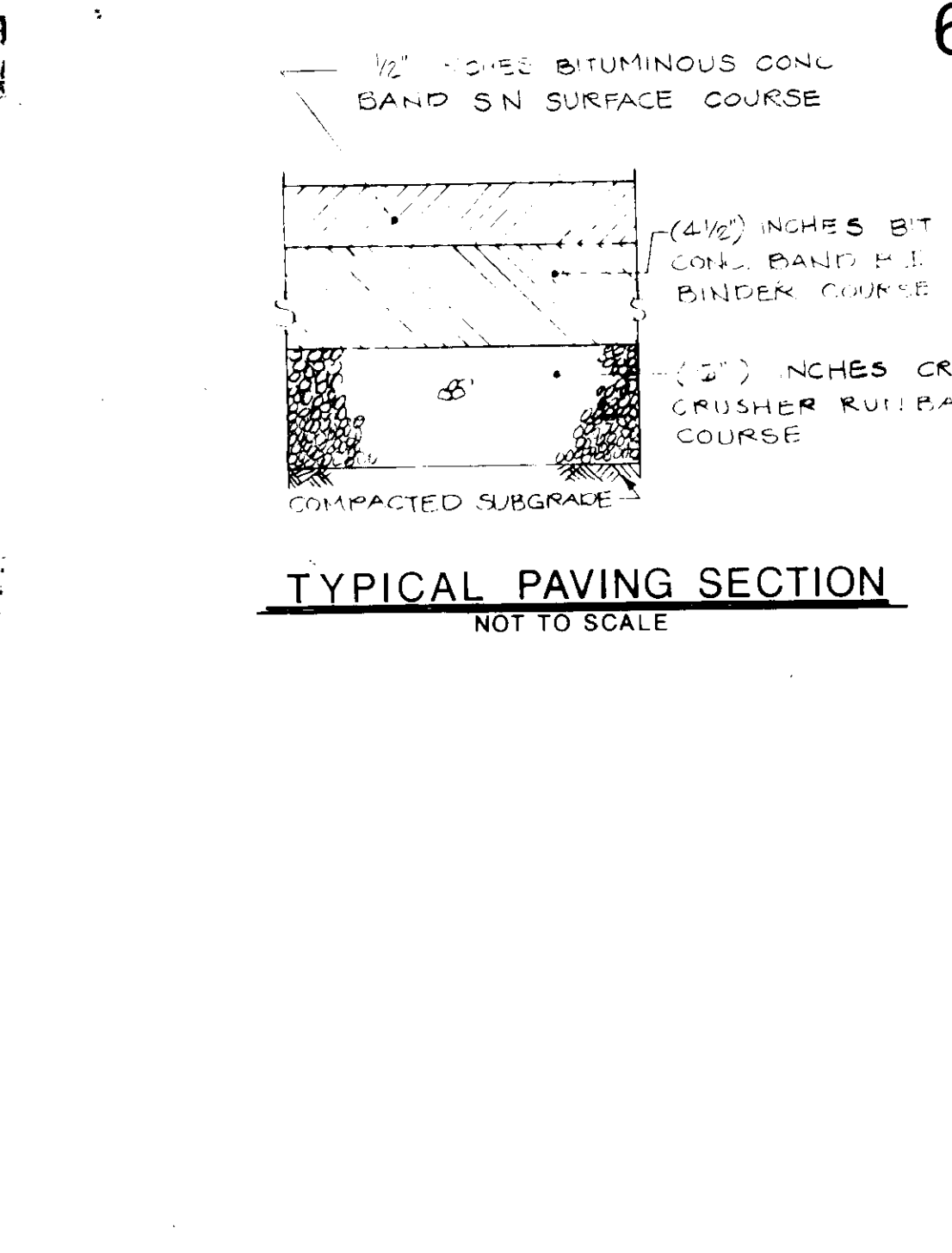
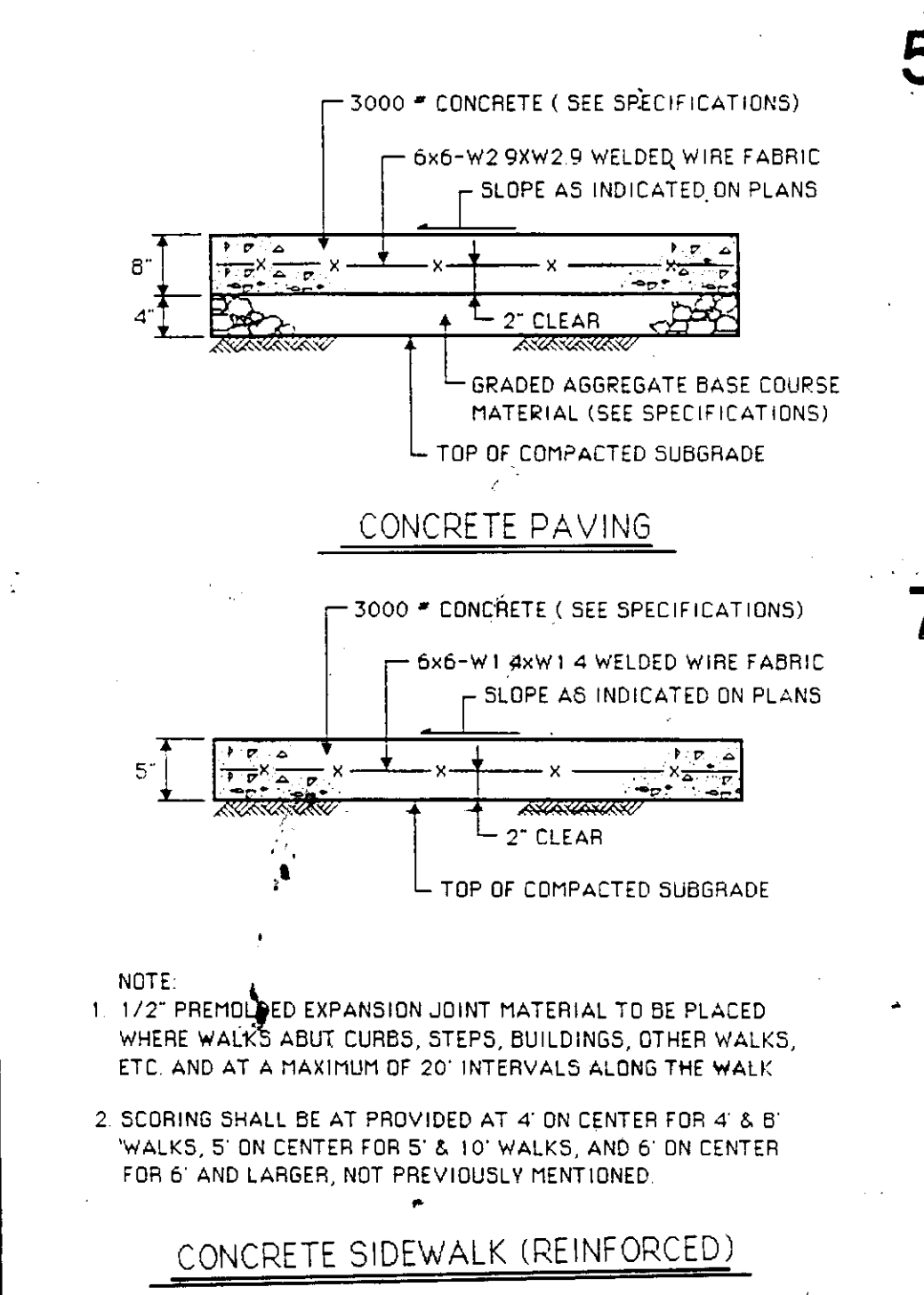
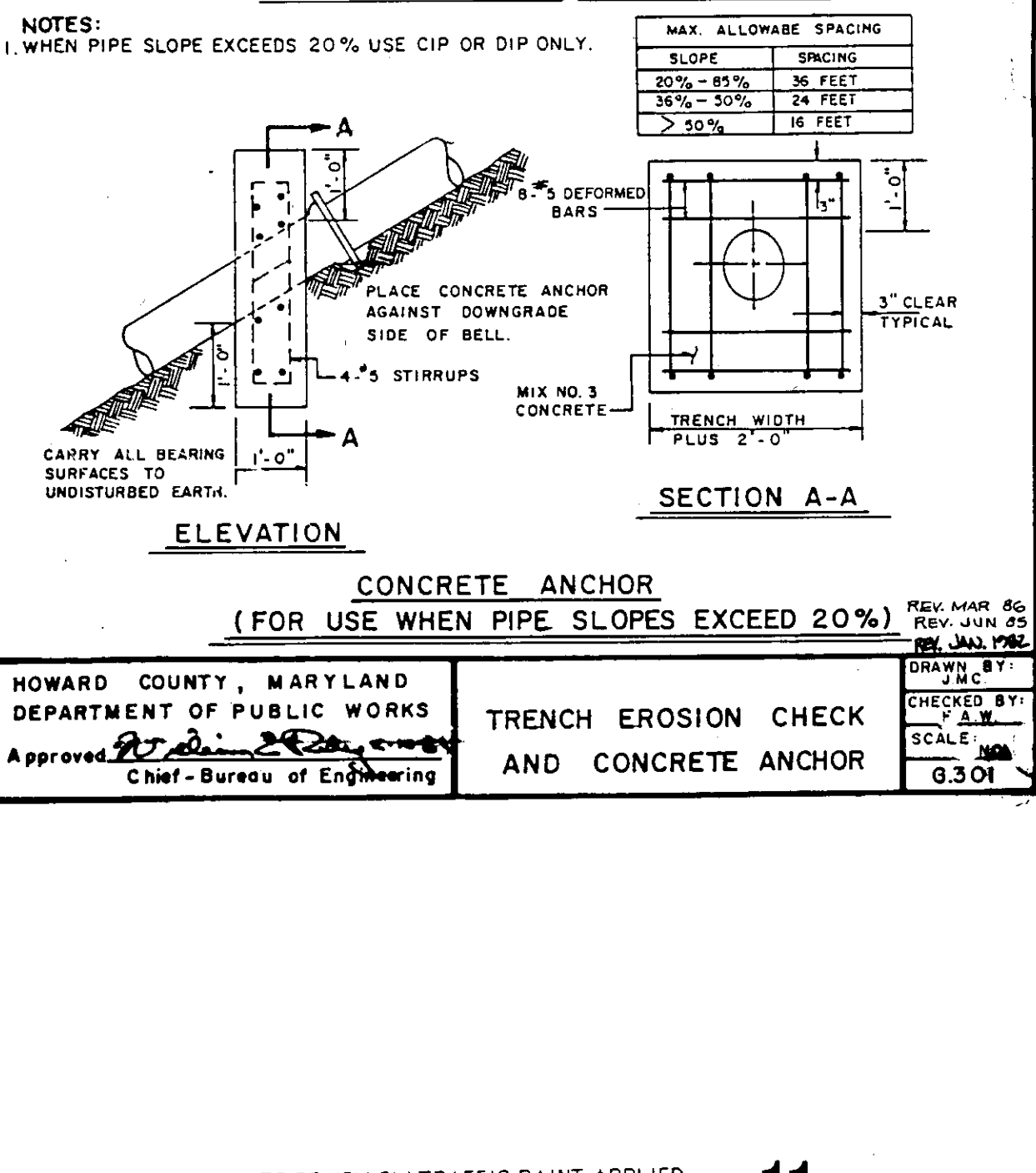
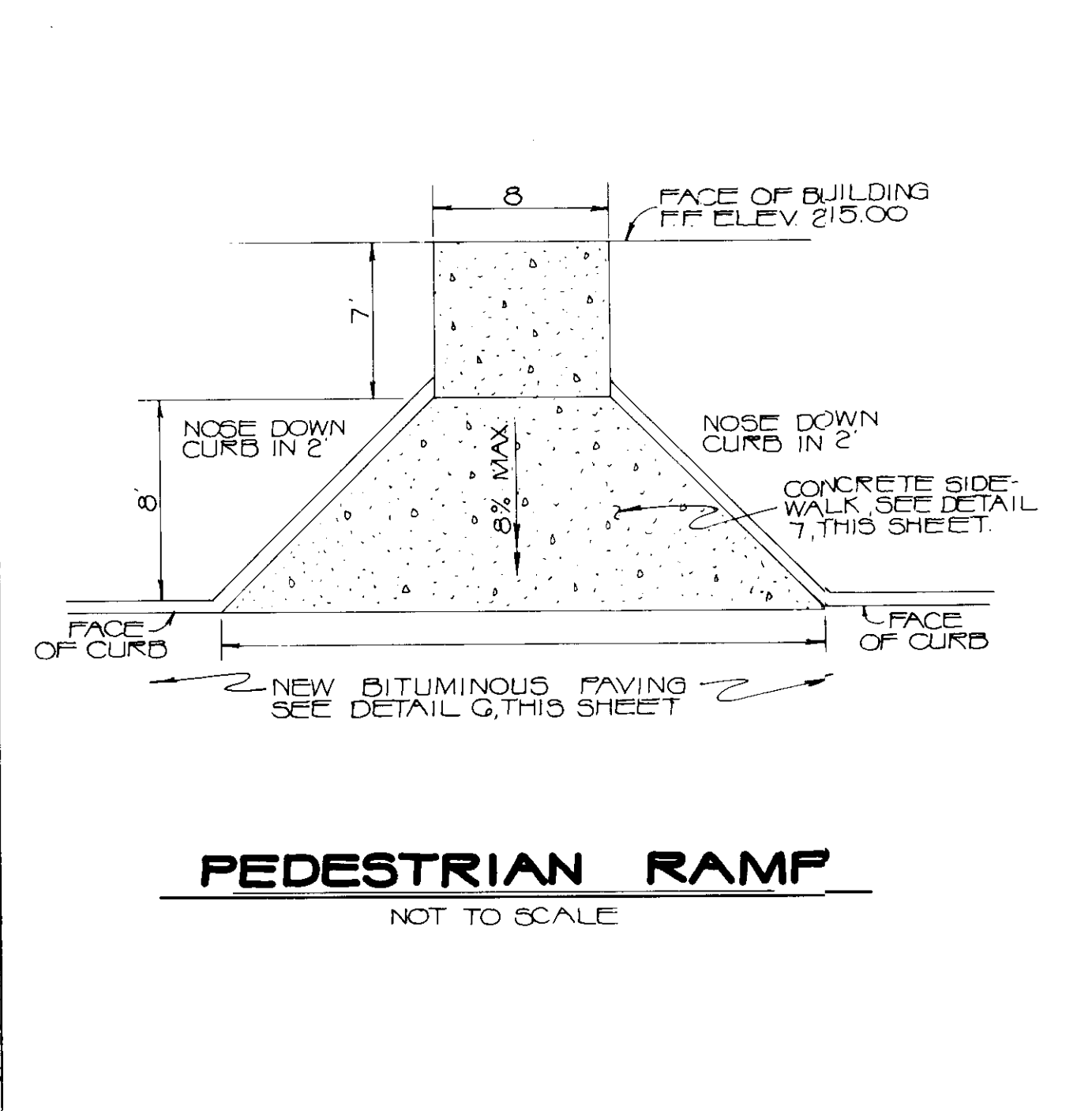
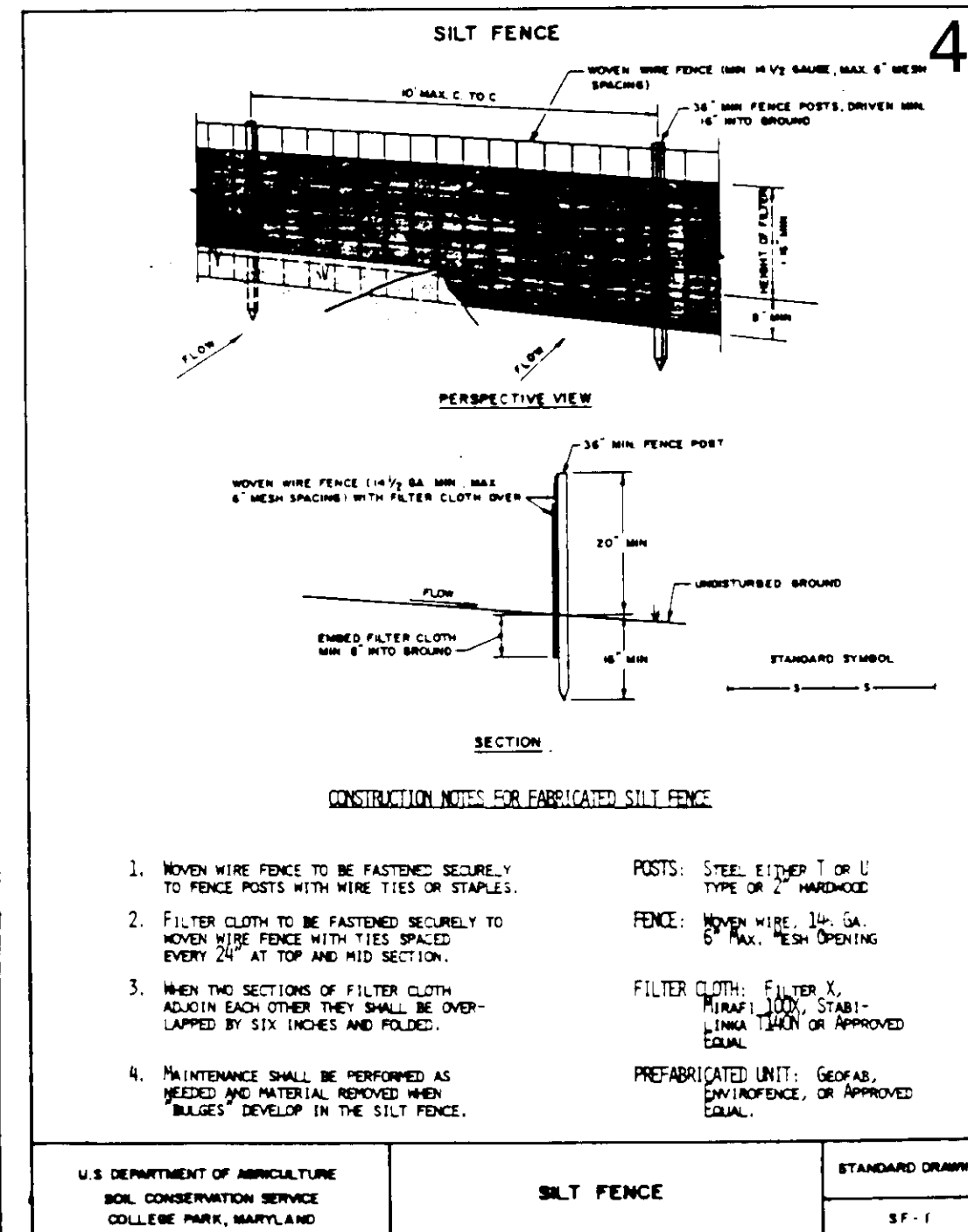
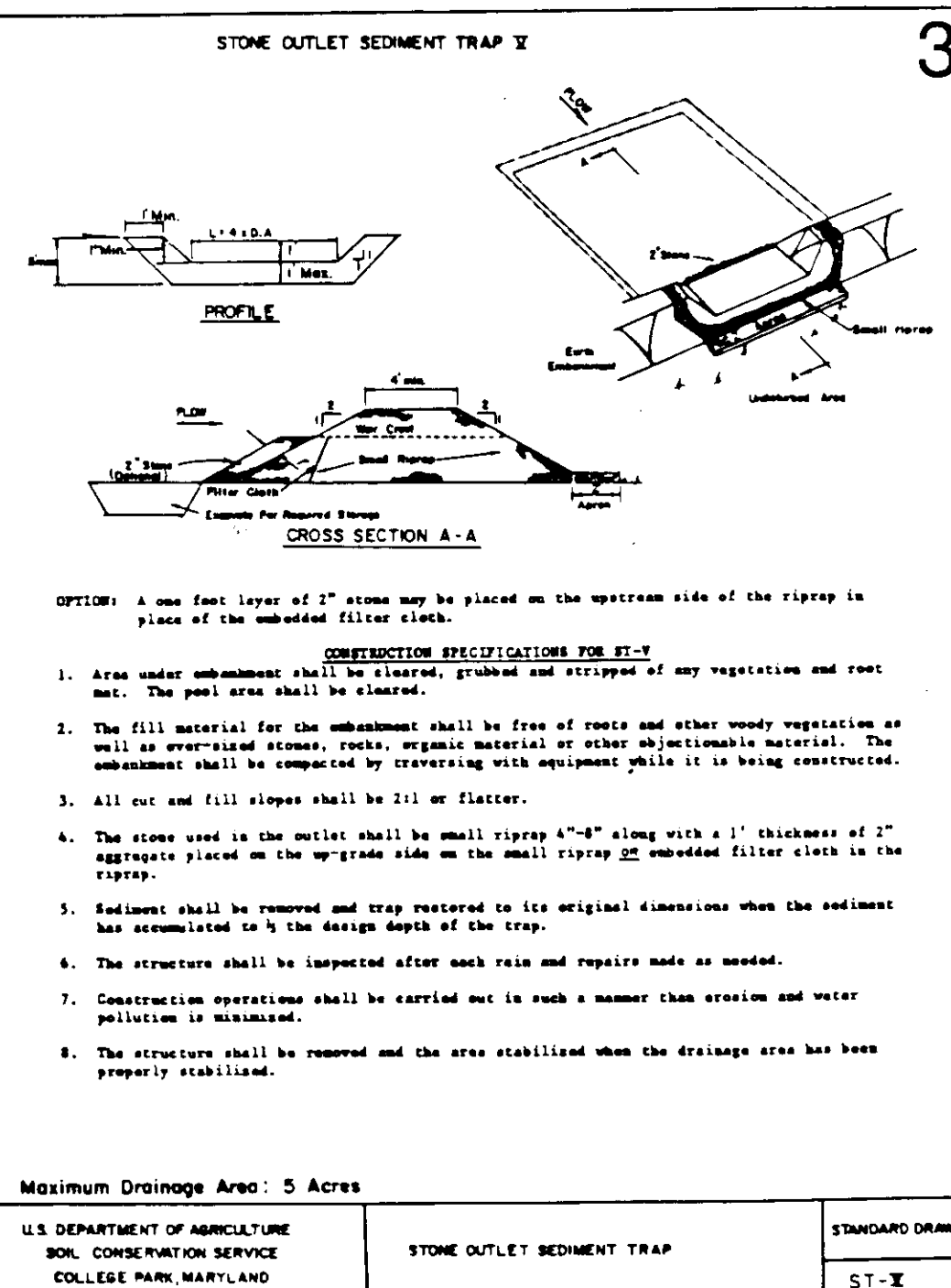
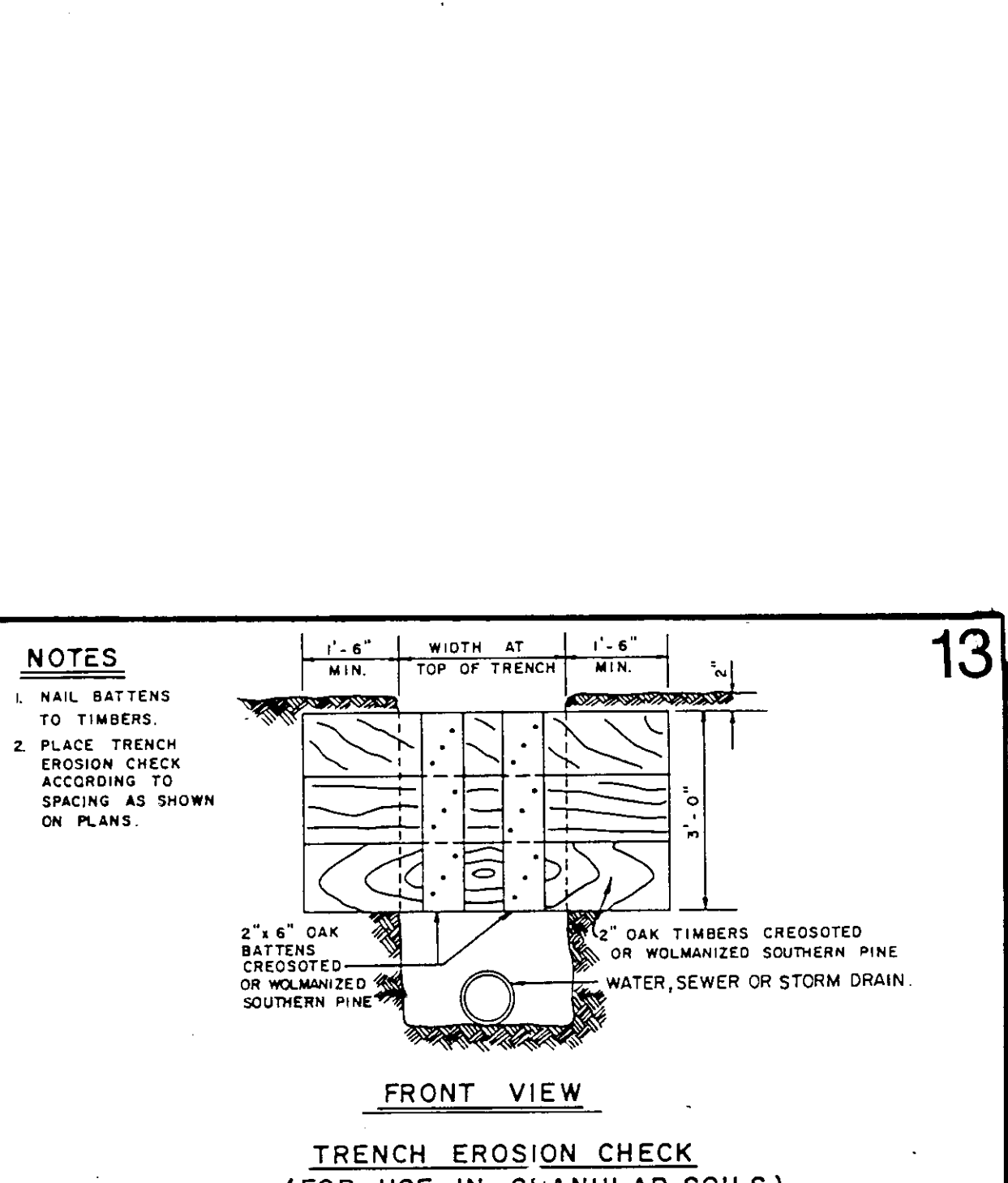
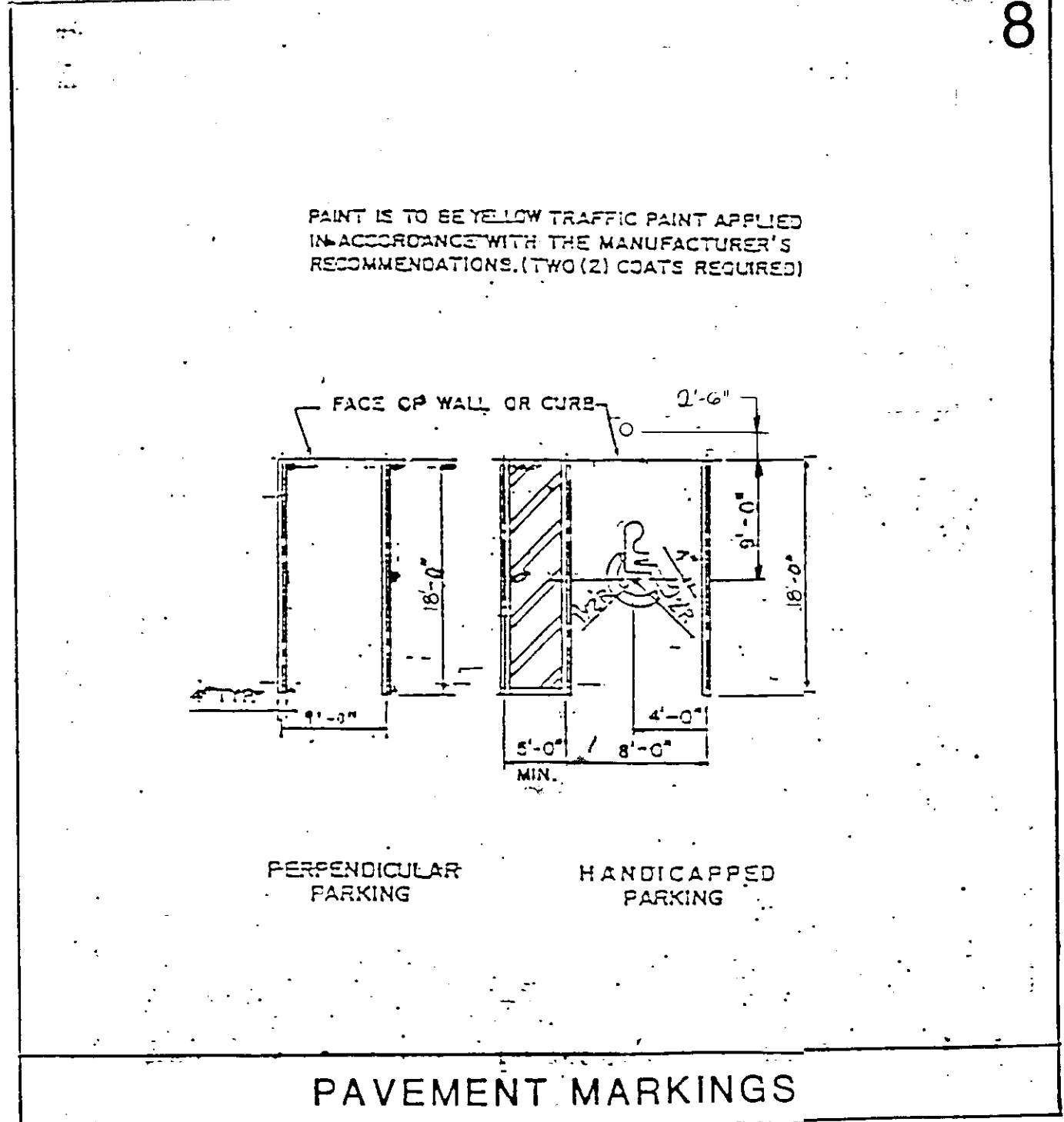
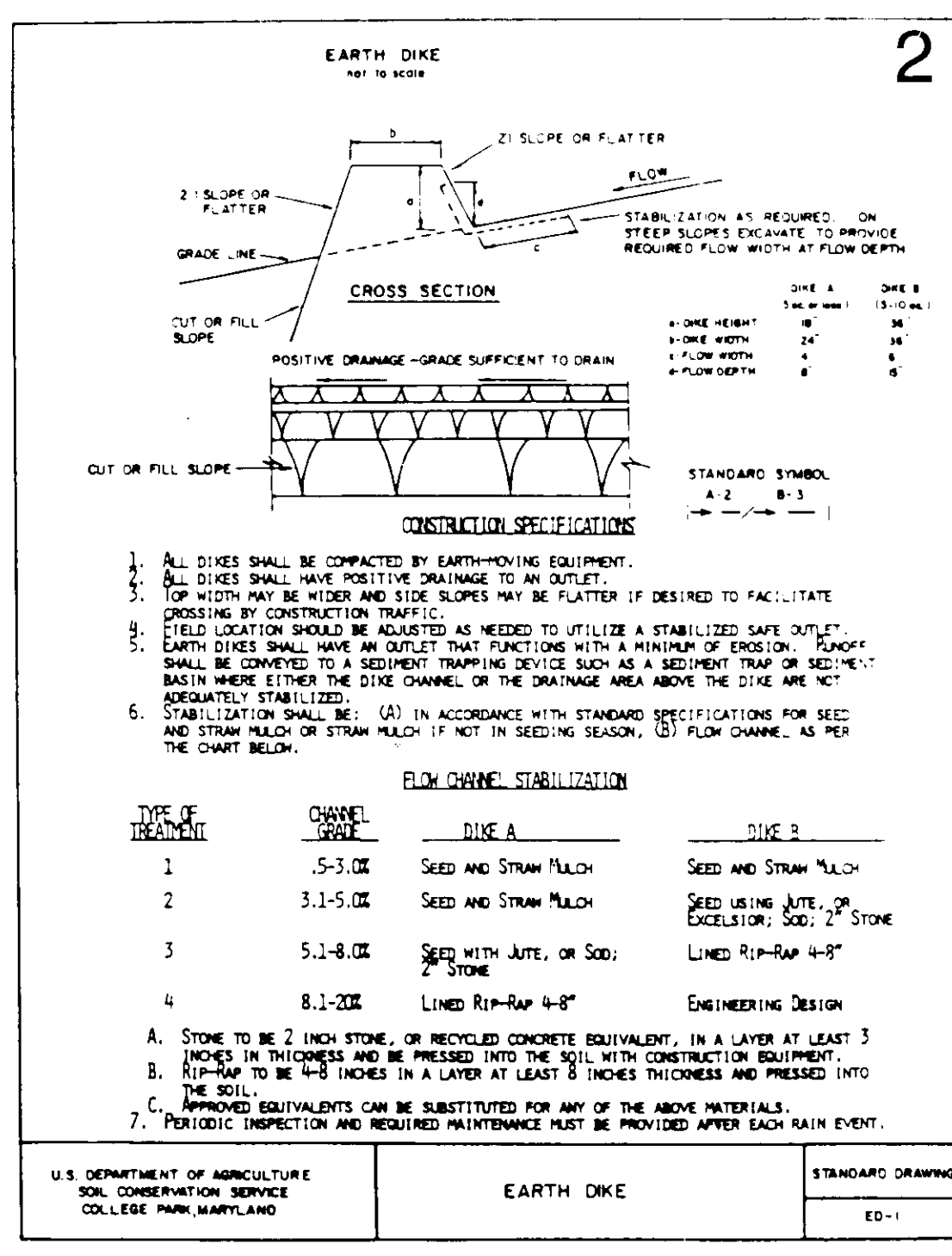
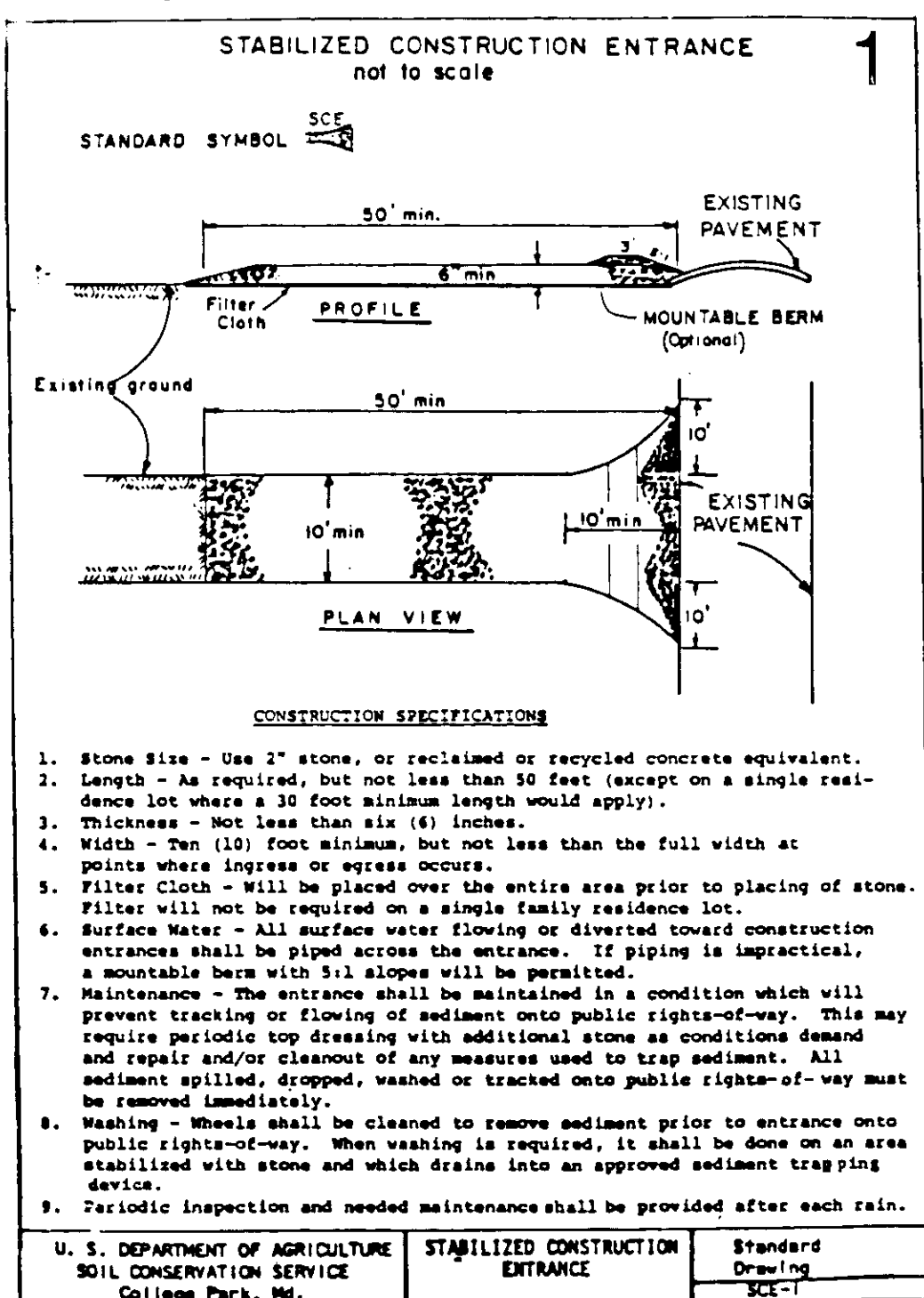
APPROVED
DIVISION OF LAND DEVELOPMENT &
ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE: 8-25-87

SD-4

DATE	NO.	REVISION
THE JUNCTION INDUSTRIAL PARK		
6TH ELECTION DISTRICT, HOWARD CO. MD 21057		
SECTION 1 AREA 1		
PARCEL 'B-2'		
TITLE:		
PLANTING PLAN		
"BUILDING REVISION TO SDP-87-110"		
OWNER: FIRE-MAK SPRINKLER SYSTEMS, INC. 3107 LORENA AVENUE BALTIMORE, MARYLAND 21230		
ENGINEERS: WHITNEY Consulting Engineers BAILEY 1850 York Road COX Timonium, Maryland 21093 MAGNANI 301-252-6060		
DATE: 9/18/87	DESIGNED: R.Z.B.	
	DRAWN: M.E.W.	
	CHECKED: F.D.	
	PROJECT NO.: 86200	
	DATE: SEPT 4, 1987	
	SCALE: 1" = 30'	
	DRAWING NO. 4 OF 5	

SUBDIVISION NAME JUNCTION INDUSTRIAL PARK	SECT./AREA 1/1	LOT/PARCEL # "B-2"
PLATS G555	BLOCKS 10	ZONE M-2
TAX/ZONE MAP 48	ELEC. DIST. 6	CENSUS TR. G0G4
SEWER CODE CO4 - 4020000		
APPROVED: FOR PUBLIC WATER AND SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS		
DIRECTOR	DATE	
10/14/87		
CHIEF, BUREAU OF ENGINEERING	DATE	
10-14-87		
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY DEPARTMENT OF HEALTH		
COUNTY HEALTH OFFICER	DATE	
10/14/87		
APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING		
PLANNING DIRECTOR	DATE	
10-28-87		
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION	DATE	
10-26-87		

SDP-88-21



APPROVED
DIVISION OF LAND DEVELOPMENT &
ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 8-25-87
[Signature]

NO.	DATE	REVISION
1/1	8-25-87	'B-2'

THE JUNCTION INDUSTRIAL PARK

6th INDUSTRIAL DISTRICT, HOWARD CO. MD. 21087

SECTION 1 AREA 1

PARCEL 'B-2'

TITLE: MISCELLANEOUS DETAILS
"BUILDING REVISION TO SDP - 87-110"

OWNER: FIRE-MAK SPRINKLER SYSTEMS, INC.
3107 LORENA AVENUE
BALTIMORE, MARYLAND 21286

ENGINEERS: WHITNEY, BAILEY, COX & MAGNANI
CONSULTING ENGINEERS
1850 YORK ROAD
TIMONIUM, MARYLAND 21093
301-252-1000

DATE: 9/4/87

DESIGNED: J.L.B.

DRAWN: J.L.B.

CHECKED: P.D.

PROJECT NO: 86208

DATE: SEPT. 4, 1987

SCALE: AS NOTED

PROFESSIONAL ENGR. NO. 9922

DRAWING NO. 5 OF 5

DATE	NO.	REVISION
9/4/87	1	'B-2'

THE JUNCTION INDUSTRIAL PARK

6th INDUSTRIAL DISTRICT, HOWARD CO. MD. 21087

SECTION 1 AREA 1

PARCEL 'B-2'

TITLE: MISCELLANEOUS DETAILS
"BUILDING REVISION TO SDP - 87-110"

OWNER: FIRE-MAK SPRINKLER SYSTEMS, INC.
3107 LORENA AVENUE
BALTIMORE, MARYLAND 21286

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1850 YORK ROAD
TIMONIUM, MARYLAND 21093
301-252-1000

DATE: 9/4/87

DESIGNED: J.L.B.

DRAWN: J.L.B.

CHECKED: P.D.

PROJECT NO: 86208

DATE: SEPT. 4, 1987

SCALE: AS NOTED

PROFESSIONAL ENGR. NO. 9922

DRAWING NO. 5 OF 5