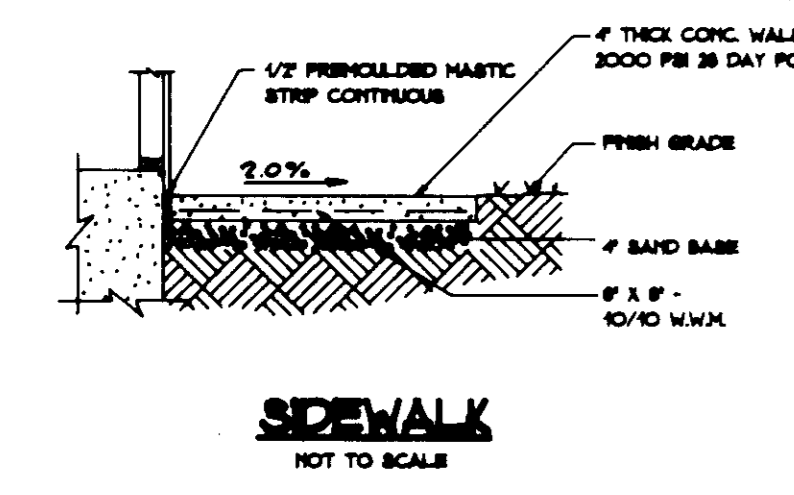
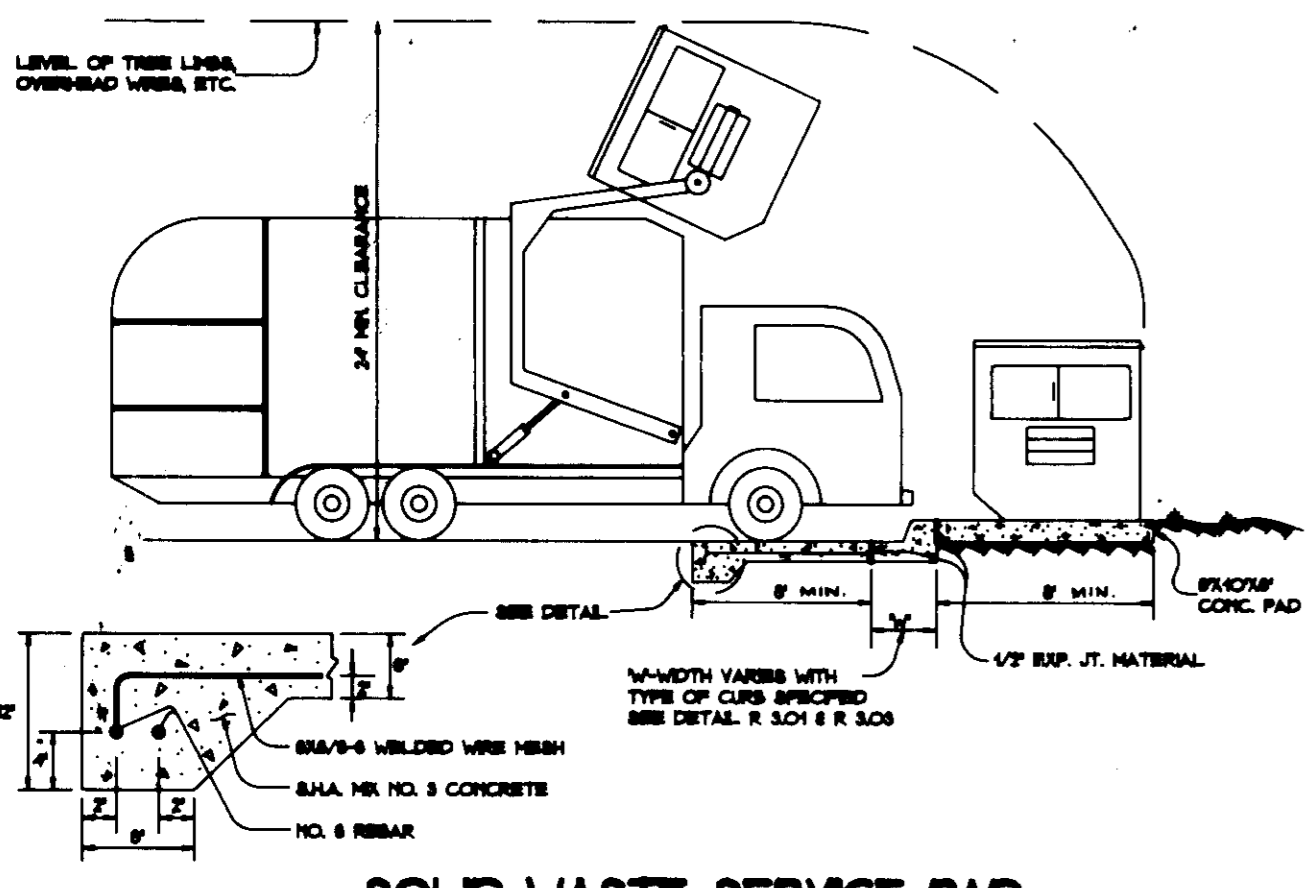


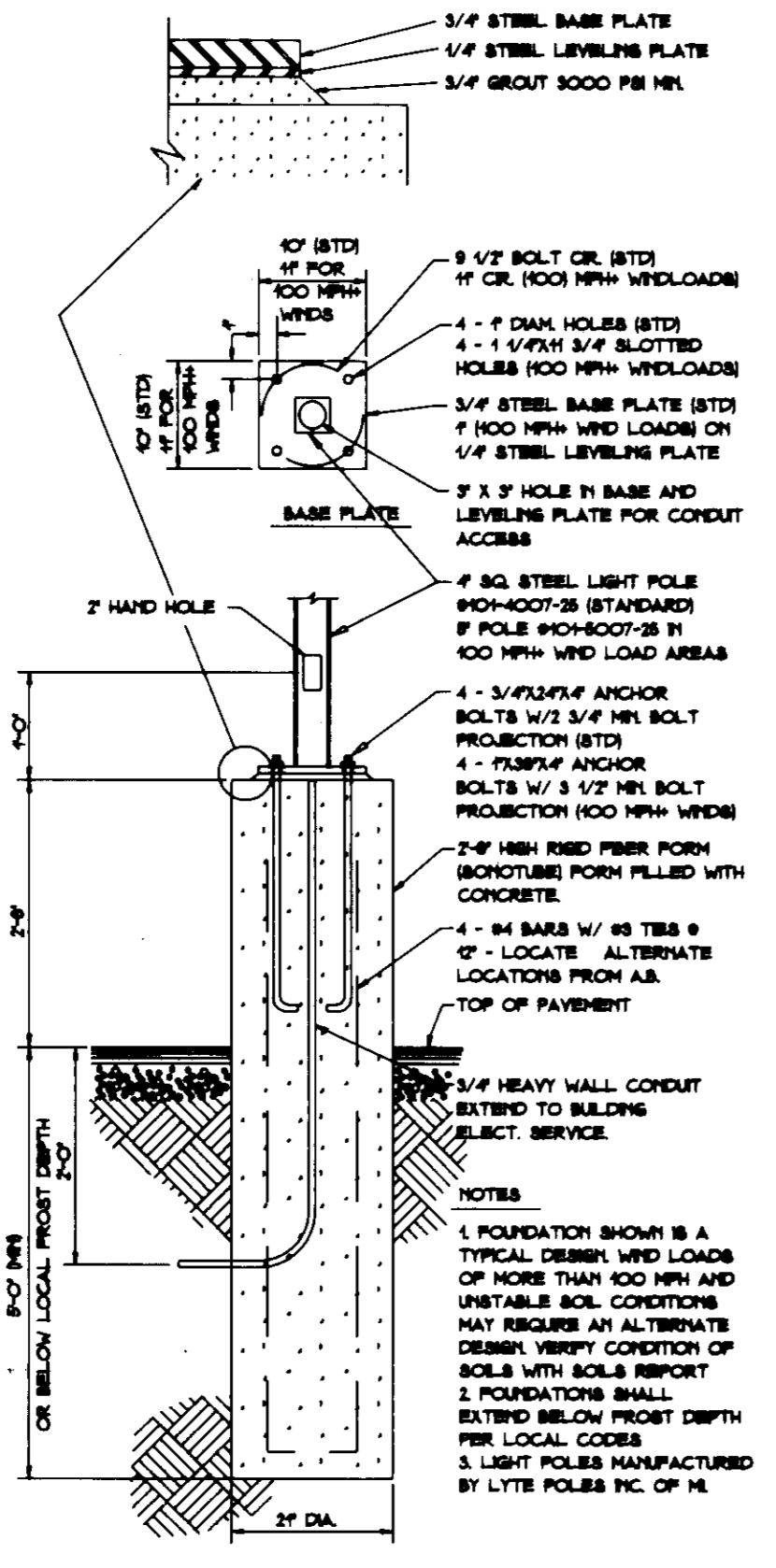
**EXTERIOR GREASE TRAP**  
NOT TO SCALE



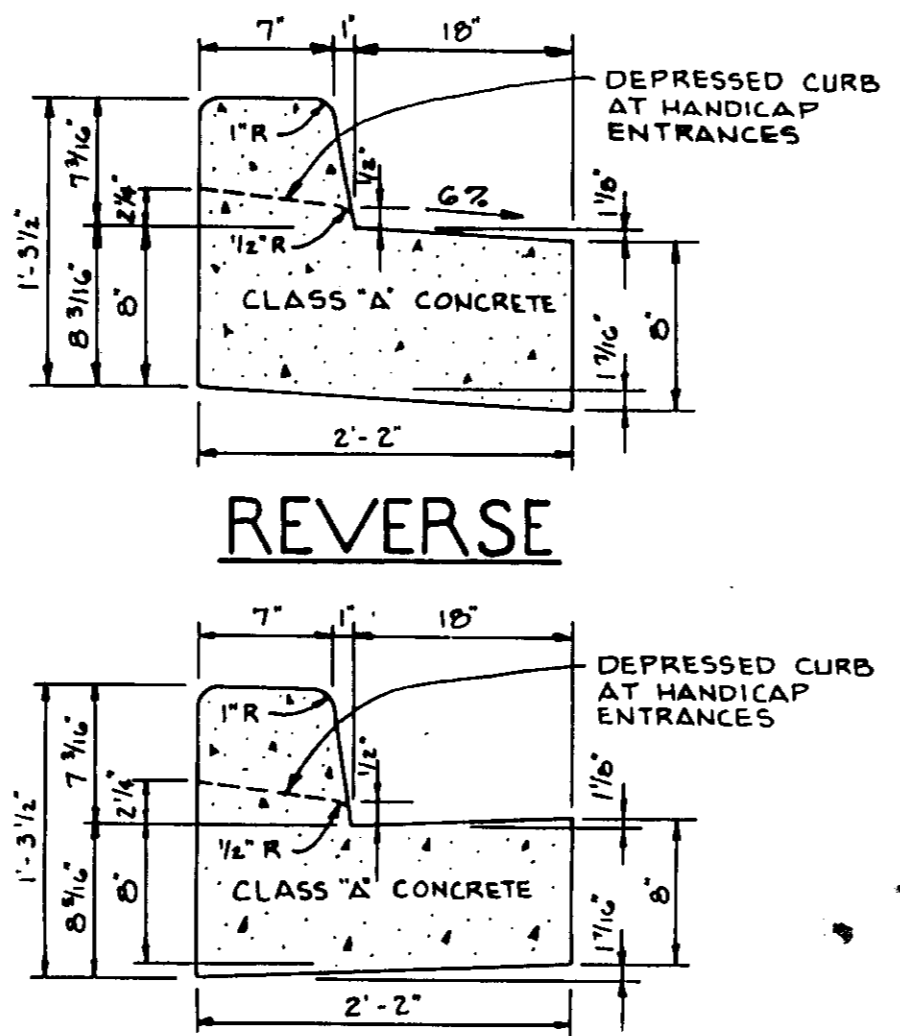
**SIDEWALK**  
NOT TO SCALE



**SOLID WASTE SERVICE PAD**  
NOT TO SCALE

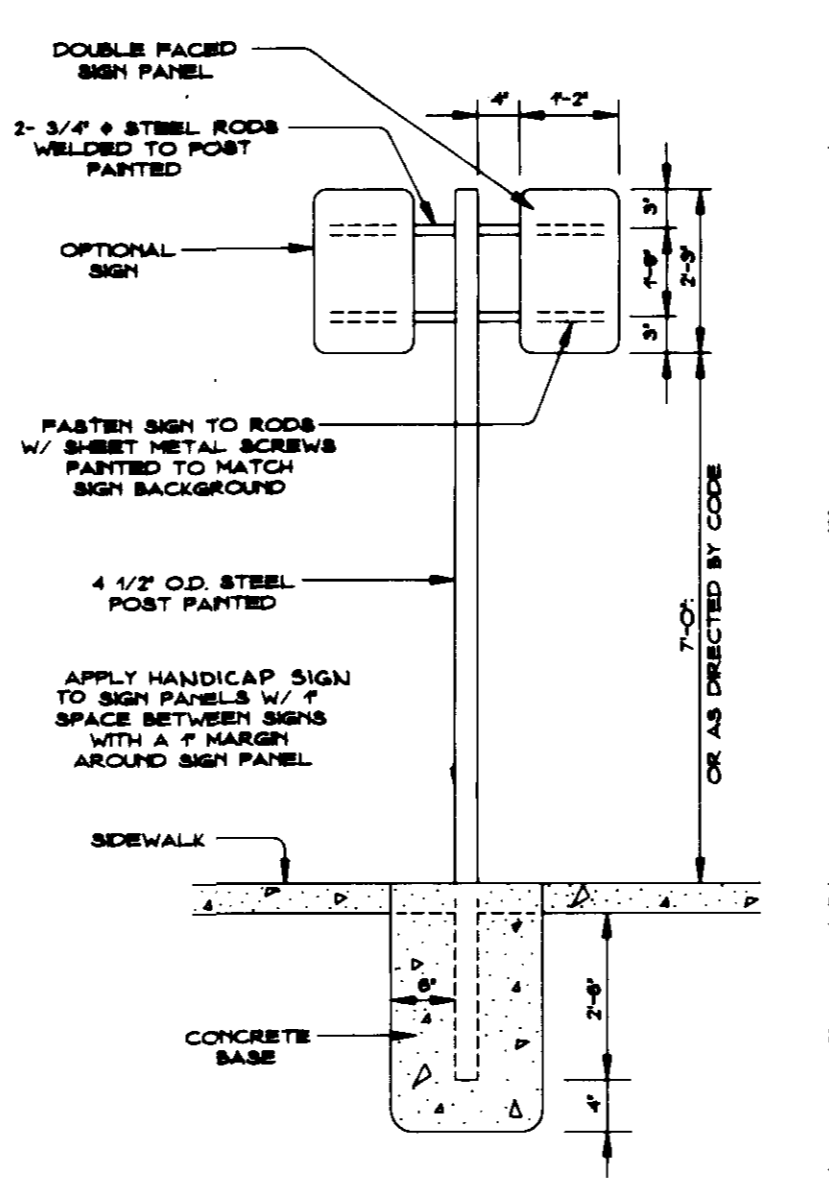


**LIGHT STANDARD DETAIL**  
NOT TO SCALE



HOWARD COUNTY DESIGN MANUAL VOLUME IV  
STANDARD SPECIFICATIONS AND DETAILS FOR  
CONSTRUCTION (DRAWING R-3.01)  
\* GUTTER PAN AT THE MEDIAN EDGE OF INTER-  
MEDIATE ARTERIALS OR THE HIGH SIDE OF  
SUPERELEVATED SECTIONS SHALL BE SLOPED  
AT THE SAME RATE AS THE PAVEMENT

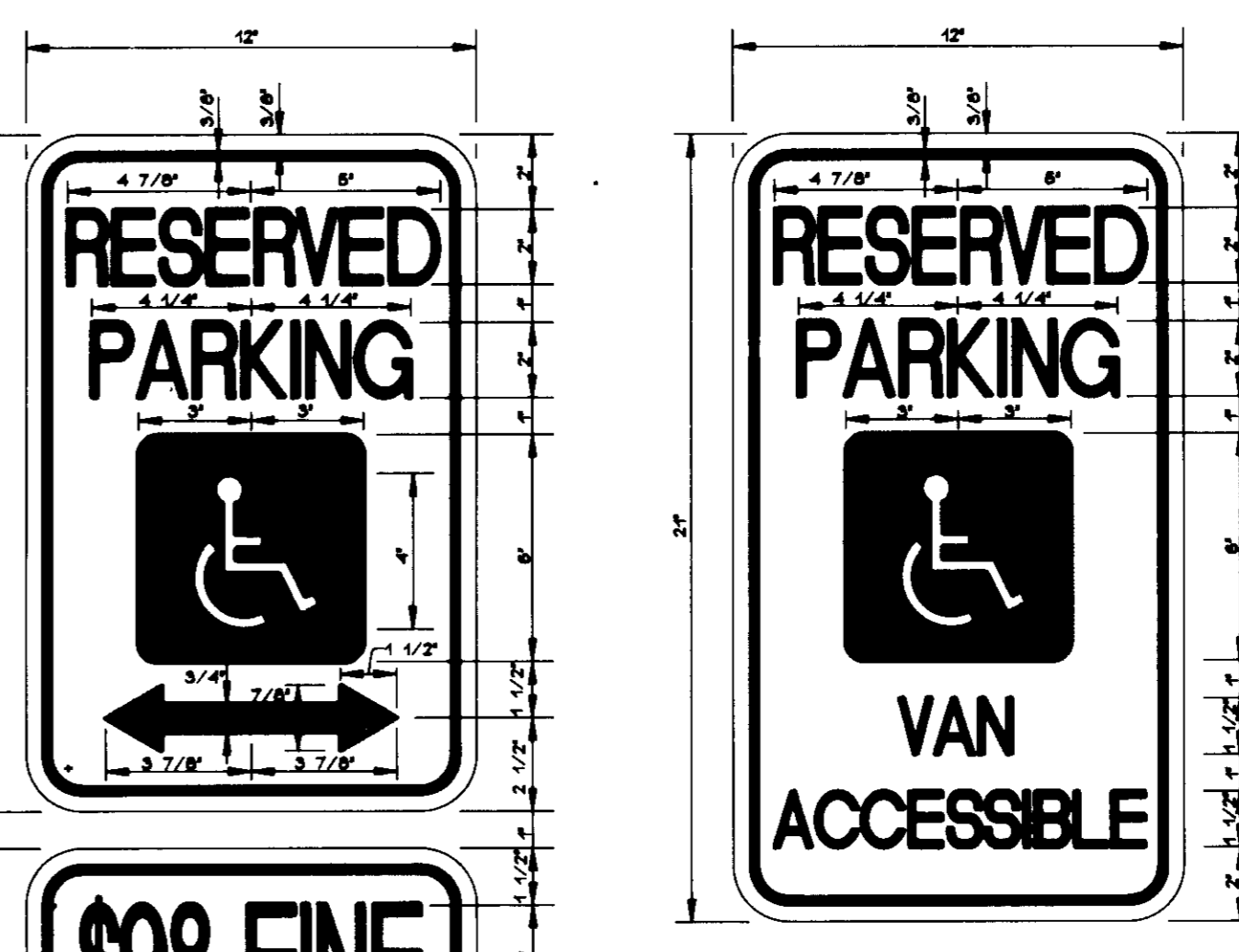
**STANDARD 7" COMBINATION  
CURB AND GUTTER**  
NOT TO SCALE



**LEGEND AND BORDER** - GREEN  
WHITE SYMBOL ON BLUE BACKGROUND  
BACKGROUND - WHITE

**988 FINE SIGN**  
SIGN TO UTILIZE AN ALUMINUM BLANK 6" X 12" X .080 INCH THICK WITH  
TWO SINGLE POST MOUNTING HOLES.  
THE TEXT AND BORDER SHALL BE STANDARD GREEN TO MATCH THAT ON R-7-S  
AND THE BACKGROUND SHALL BE REFLECTIVE WHITE. TEXT SHALL BE IN 3"  
CHARACTERS.  
SIGN SHALL BE MOUNTED DIRECTLY BELOW THE STANDARD R-7-S 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.

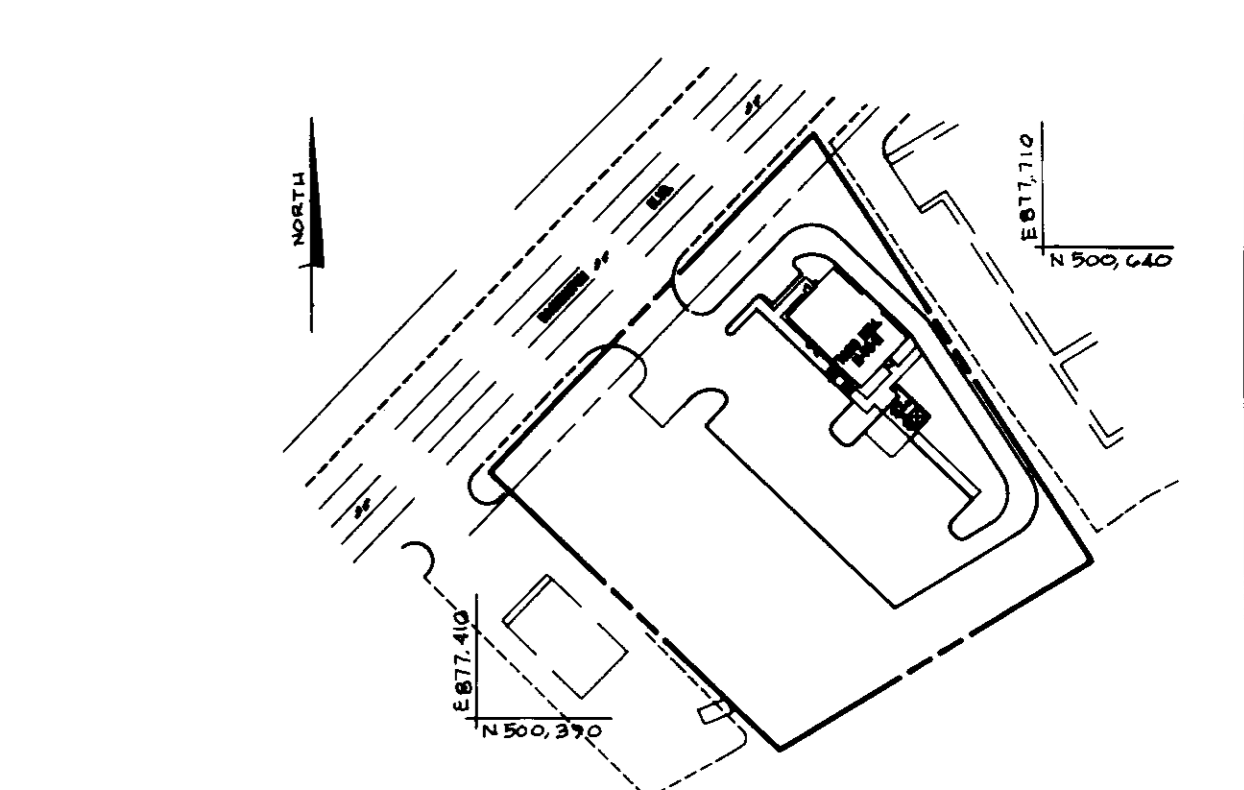
**HANDICAPPED SIGN DETAILS**  
NOT TO SCALE



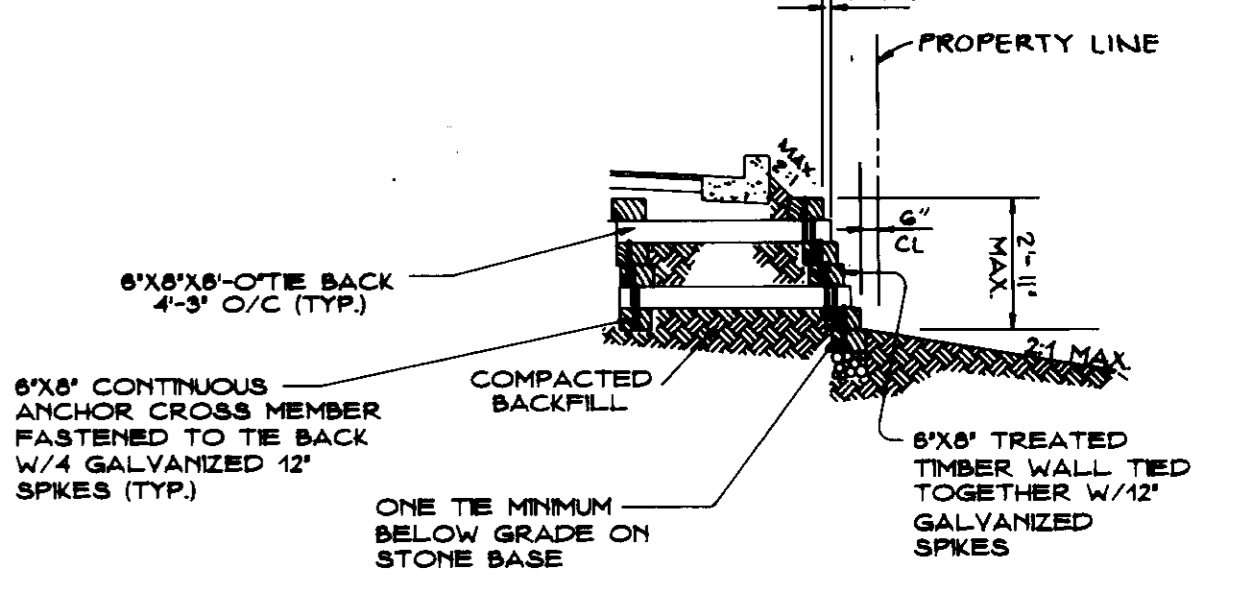
1. PRESTANDING SIGN 7'-0" ABOVE FINISHED  
GRADE MOUNTED ON WALL OR STRUCTURE  
8'-0" ABOVE GROUND.  
2. TWO SEPARATE SIGNS TO BE APPLIED TO  
METAL SIGN BOARD MOUNTED TO METAL POST.

**8 1/2" FINE SIGN**  
SIGN TO UTILIZE AN ALUMINUM BLANK 8 1/2" X 10" X .080 INCH THICK WITH  
TWO SINGLE POST MOUNTING HOLES.  
THE TEXT AND BORDER SHALL BE STANDARD GREEN TO MATCH THAT ON R-7-S  
AND THE BACKGROUND SHALL BE REFLECTIVE WHITE. TEXT SHALL BE IN 3"  
CHARACTERS.  
SIGN SHALL BE MOUNTED DIRECTLY BELOW THE STANDARD R-7-S 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.

**HANDICAPPED SIGN DETAILS**  
NOT TO SCALE

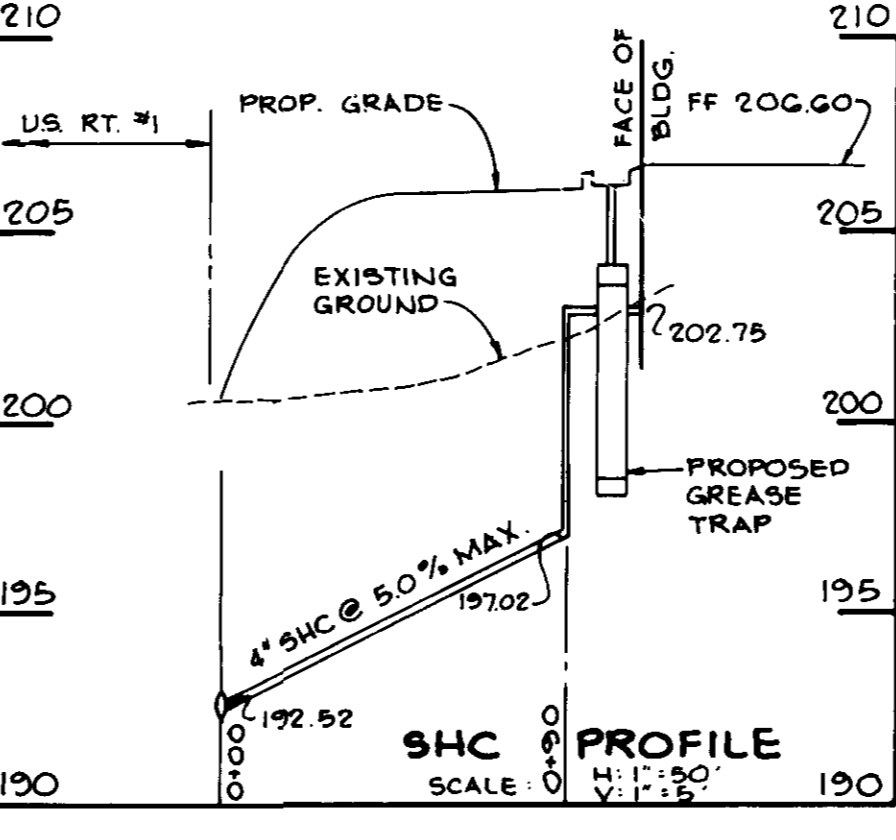


**SCHEMATIC PLAN**  
SCALE 1" = 40'

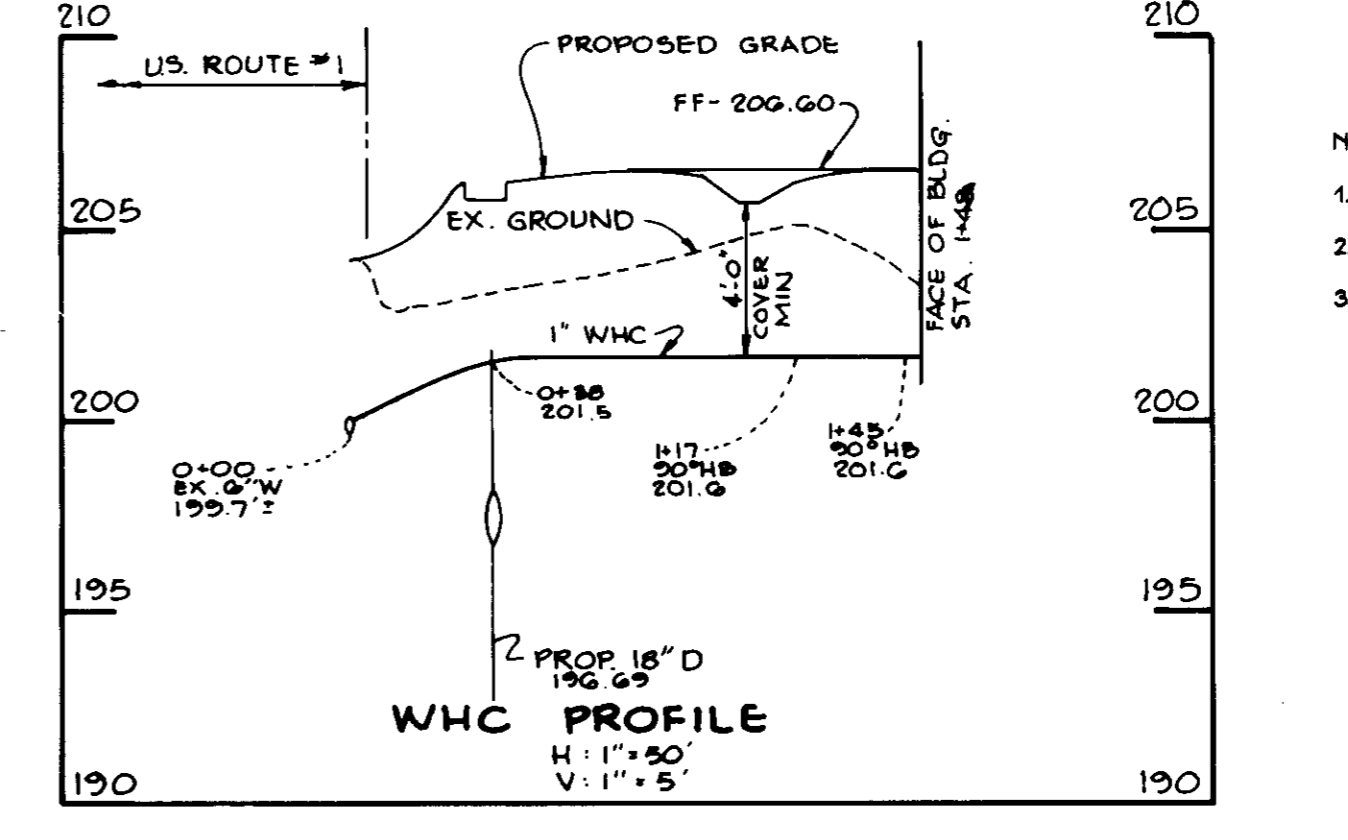


**NOTE:**  
1. TIMBERS SHALL BE CCA TREATED LANDSCAPING TIMBERS (40 LB/OF RETENTION)  
2. HARDWARE SHALL BE HOT DIPPED GALVANIZED.  
3. WALL LIMITS AND ELEVATIONS TO BE SET IN FIELD AS REQUIRED.

**RETAINING WALL DETAIL**  
NOT TO SCALE



**SHC PROFILE**  
SCALE: 1" = 10'



**WHC PROFILE**  
SCALE: 1" = 5'

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY  
HEALTH DEPARTMENT  
Date: 9/3/94  
County Health Officer: Joyce M. Boyd

APPROVED FOR PUBLIC WATER AND FOR PUBLIC SEWERAGE, STORM DRAINAGE  
SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.  
Date: 9/1/94  
Director: James A. Lee

APPROVED FOR PUBLIC WATER AND FOR PUBLIC SEWERAGE, STORM DRAINAGE  
SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.  
Date: 9/1/94  
Chief Engineer: Phillip J. Brown

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING  
Date: 9/1/94  
Planning Director: James A. Lee

APPROVED: DIVISION OF LAND DEVELOPMENT AND RESEARCH  
Date: 9/13/94  
Off. of Land Development and Research: Anna Summery

OWNER: AKS INC.  
C/O 38 BROADWAY  
BALTIMORE, MARYLAND 21201  
(410) 482-4887

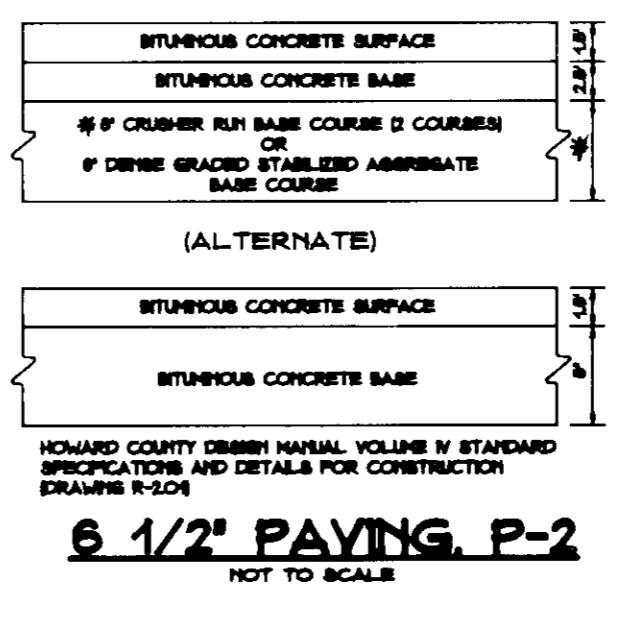
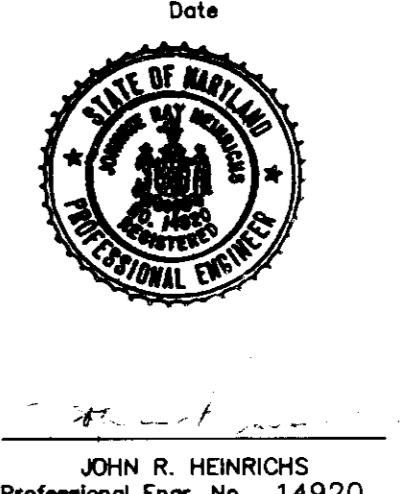
DEVELOPER: TACO BELL CORPORATION  
1800 W. AVENUE 2000  
880 BOWEN FERRY, SUITE 800  
ROCKVILLE, MARYLAND 20850  
(703) 481-8881

PHOENIX ENGINEERING, INC.  
CONSULTING ENGINEERS  
817 MAIDEN CHOICE LANE, SUITE 300  
BALTIMORE, MARYLAND 21228  
(410) 247-8833

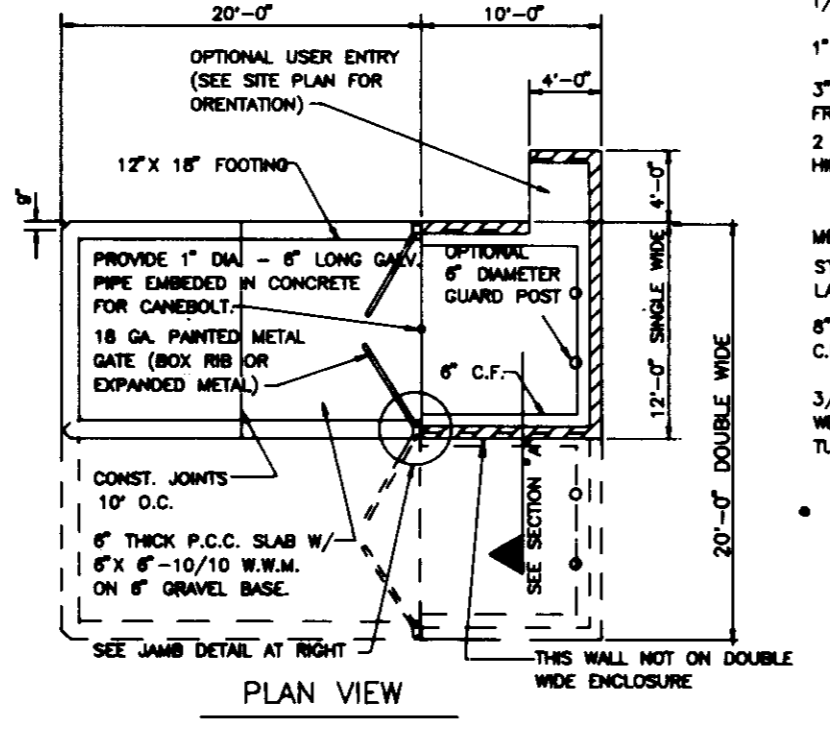
AREA: P.B. 21/82 ELK RIDGE  
TAX MAP 38 PARCEL 117  
1ST ELECTION DISTRICT OF HOWARD COUNTY, MARYLAND

TITLE: DETAILS

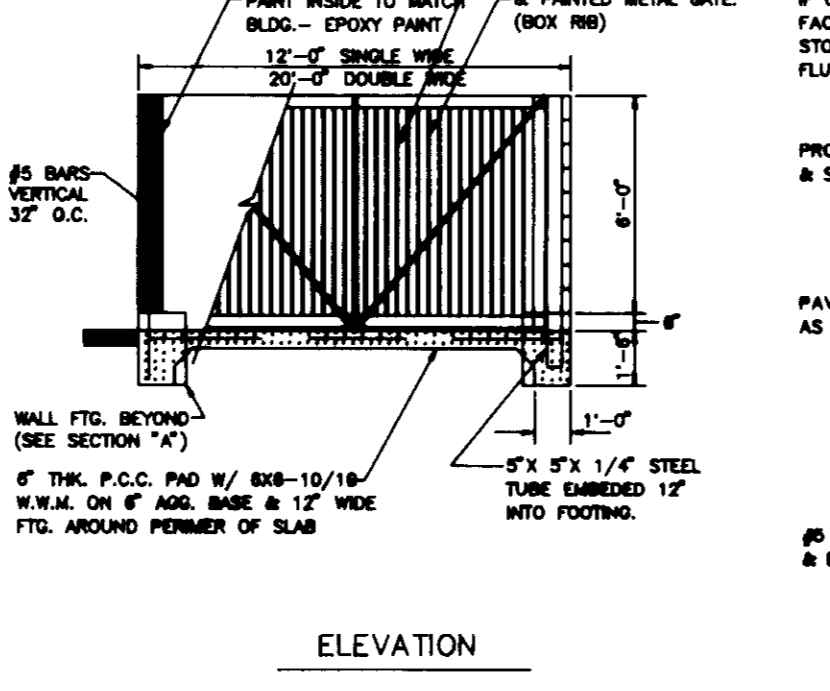
FORMERLY SDP 93-52 SEE: BA-93-51V  
Date: AS SHOWN  
Des. By: R.J.W. Date: JANUARY 1994  
Dwn. By: A.J.R. Date: SDP 94-66  
Chk. By: J.R.H. Date: 2 OF 5



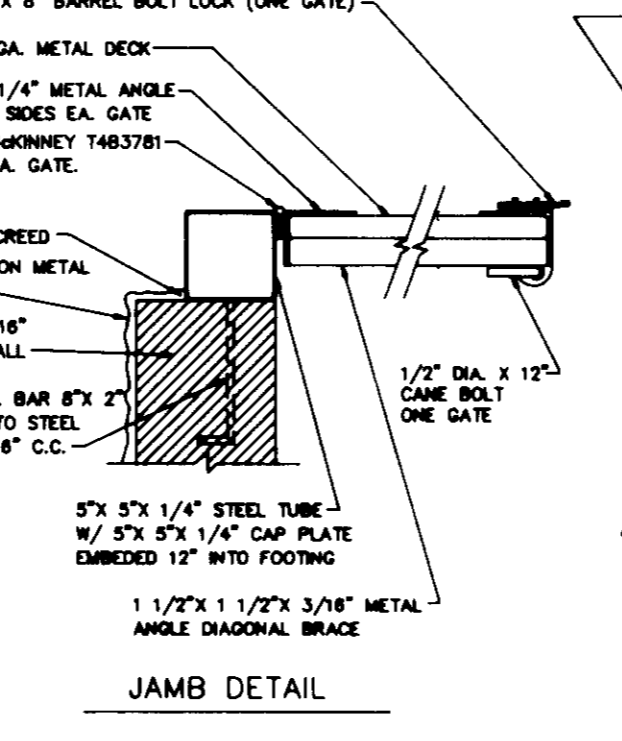
**8 1/2" PAVING P-2**  
NOT TO SCALE



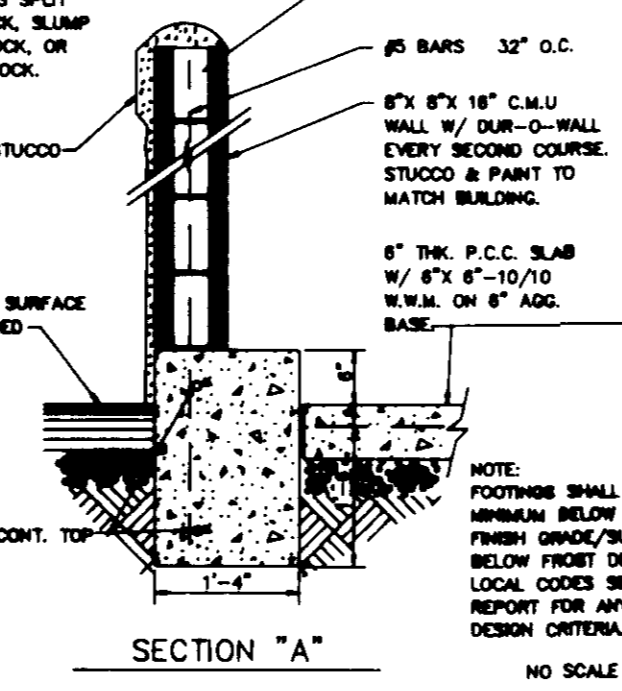
**PLAN VIEW**



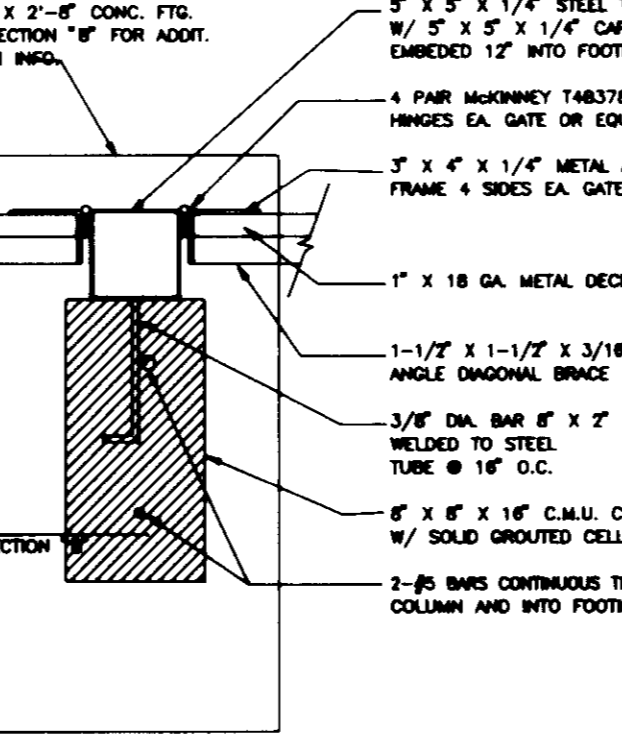
**ELEVATION**



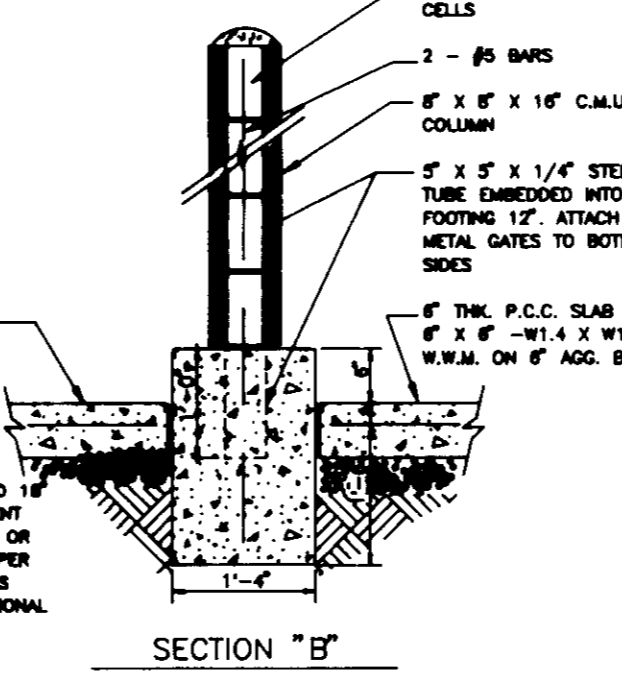
**JAMB DETAIL**



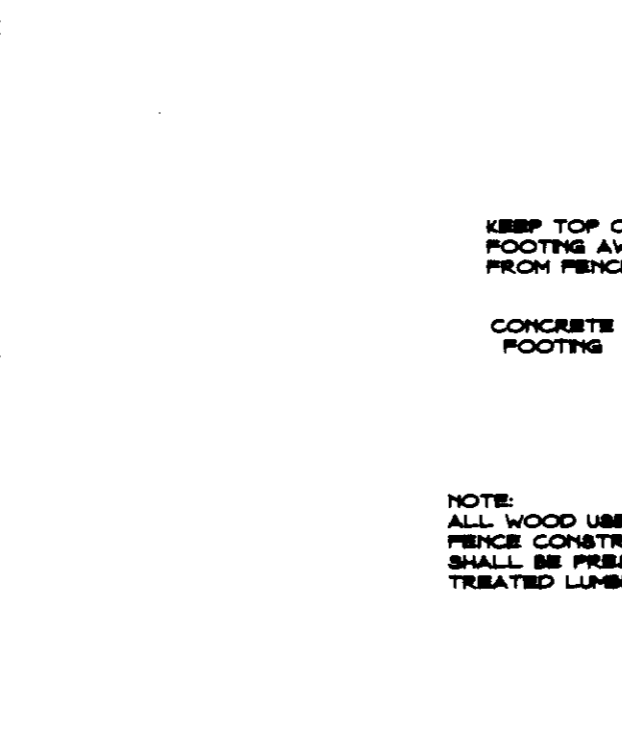
**SECTION "A"**



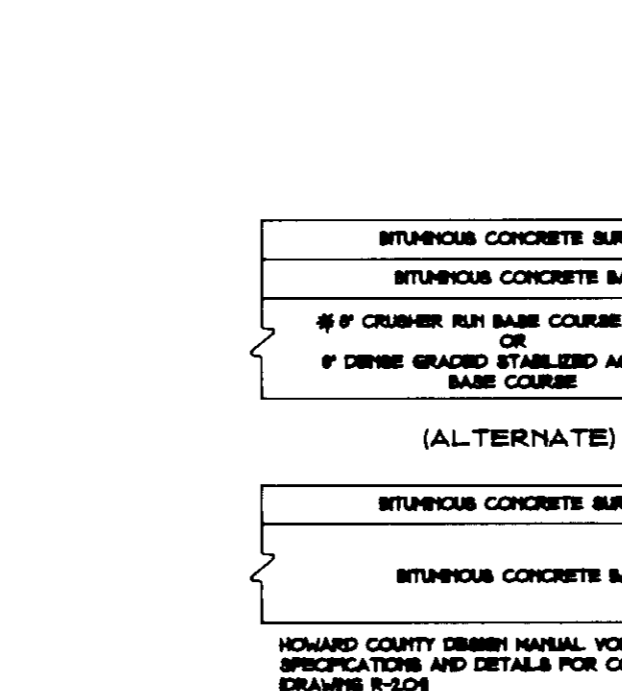
**JAMB DET. DOUBLE ENCLOSURE**



**SECTION "B"**



**FENCE DETAIL**  
NOT TO SCALE



**FENCE DETAIL**  
NOT TO SCALE

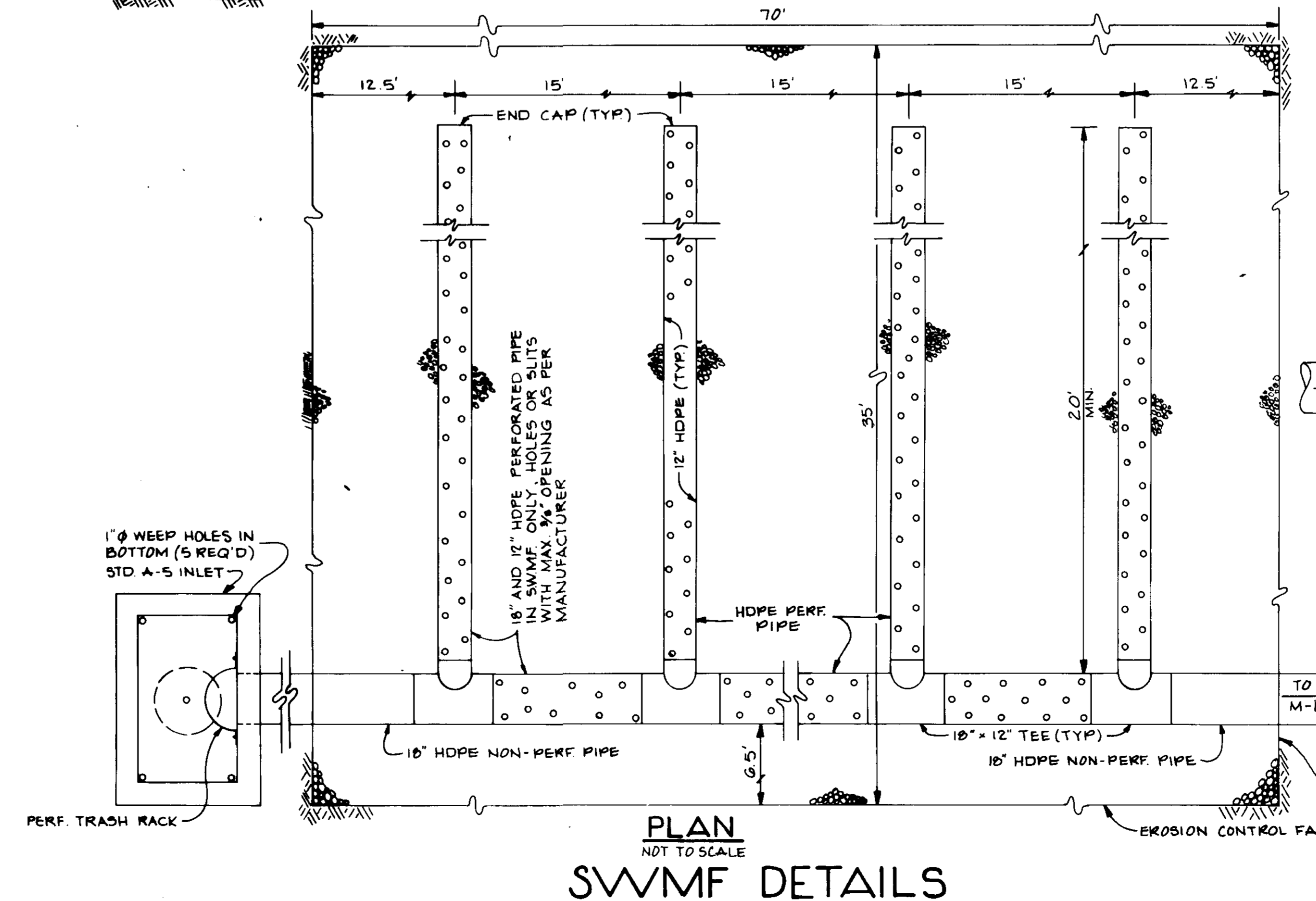
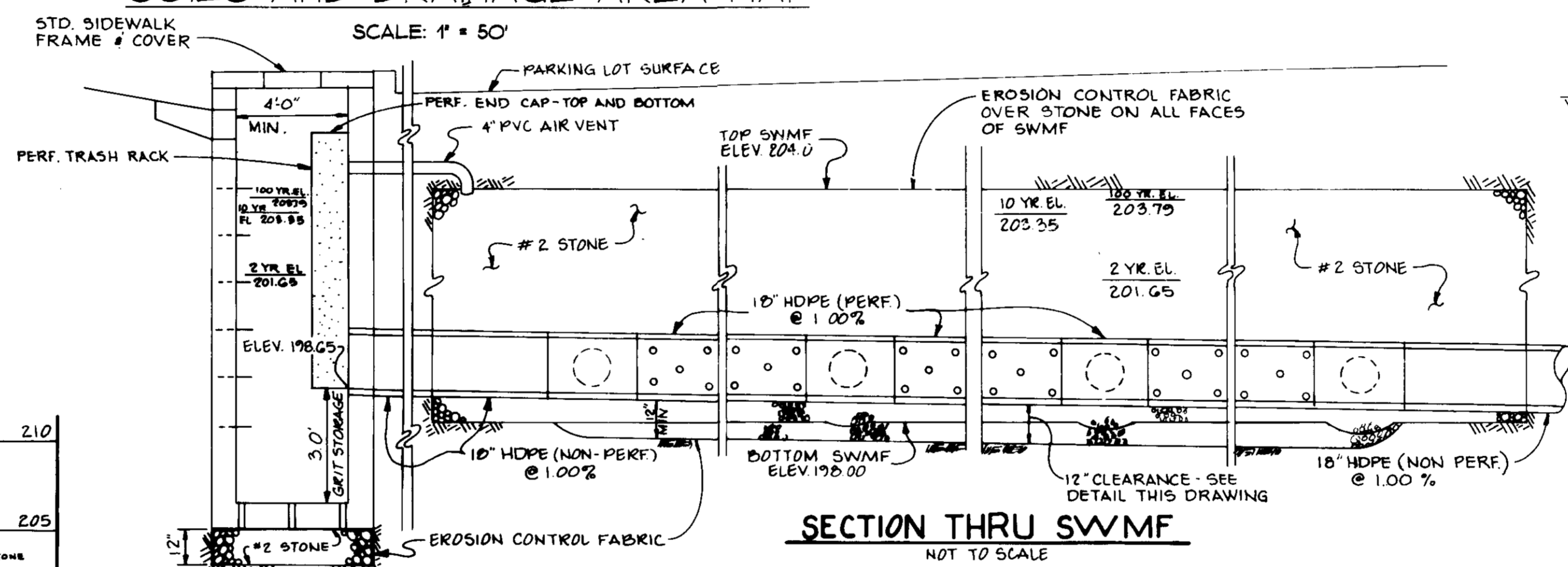
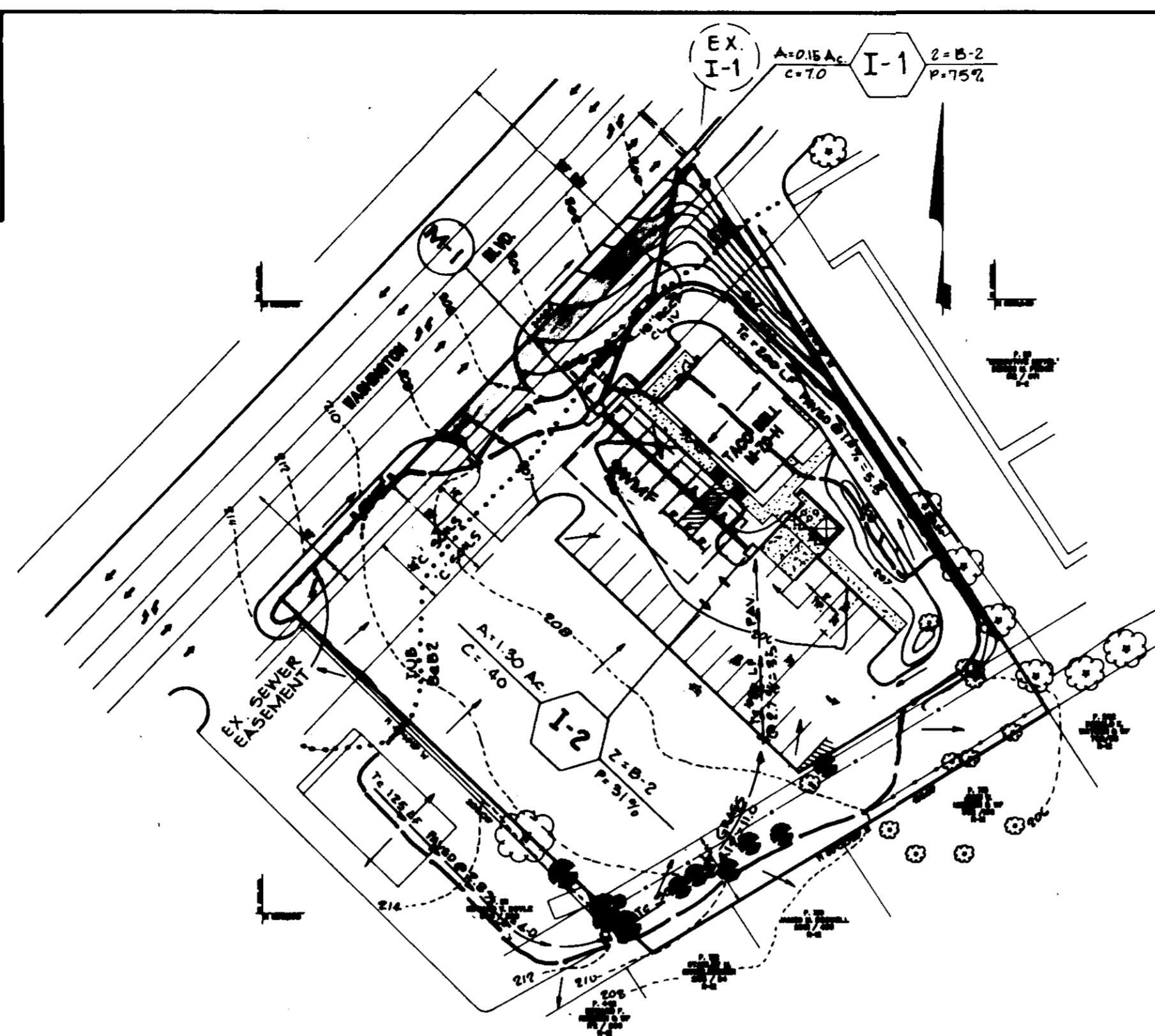
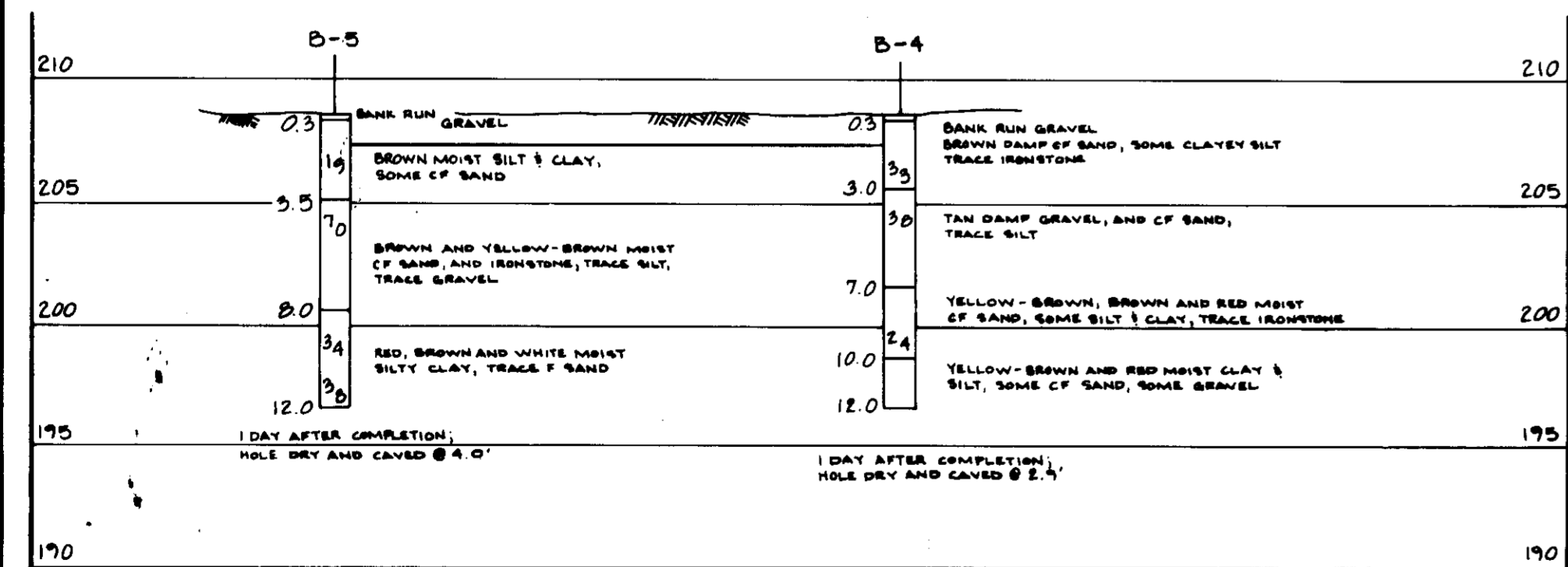
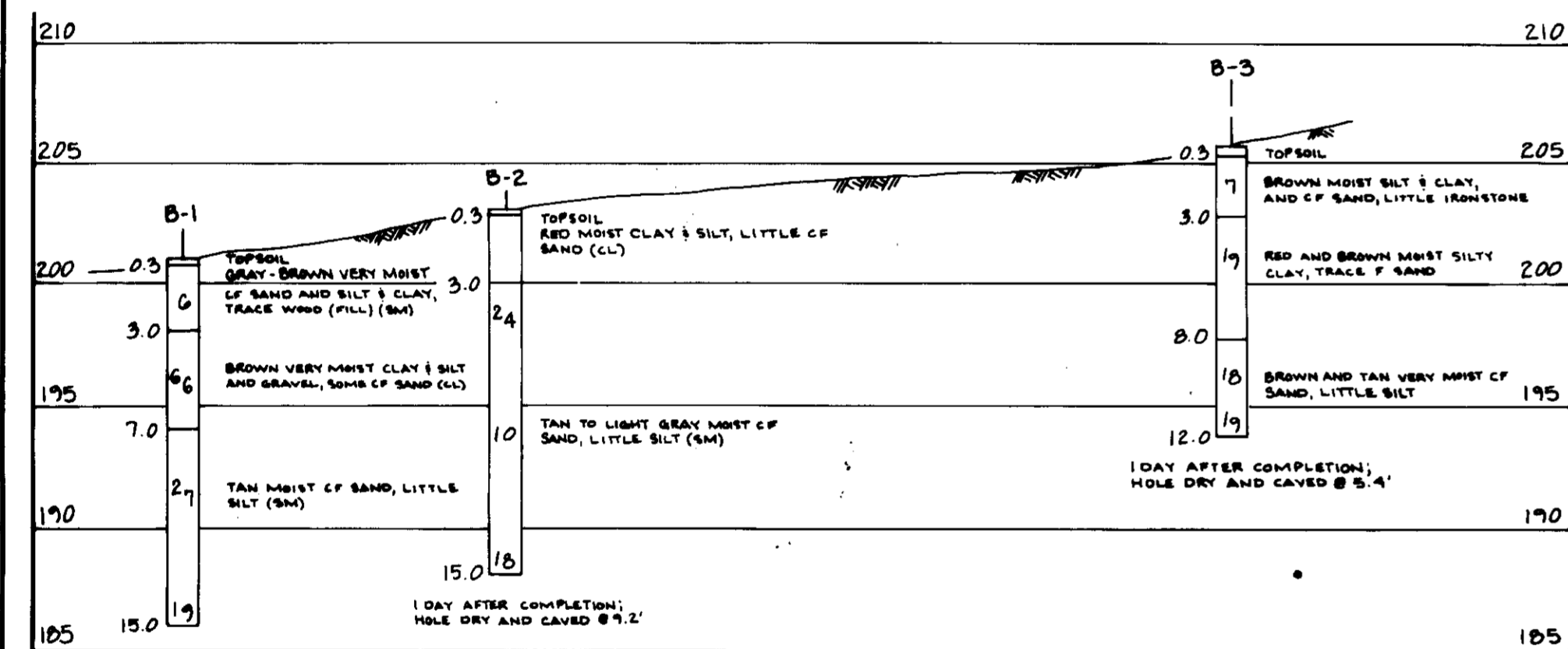
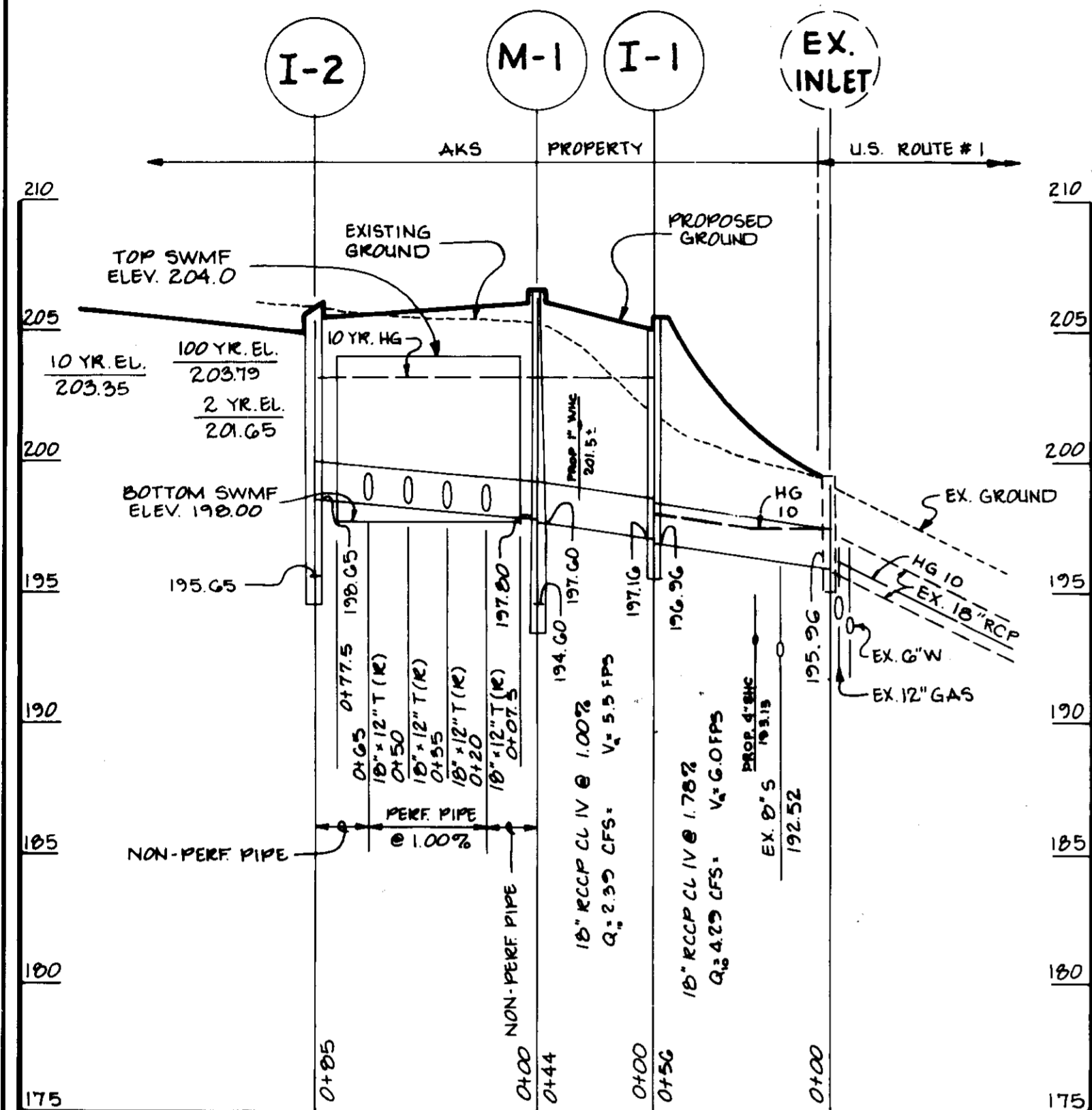






STRUCTURE		SCHEDULE			
NO.	TYPE	INV. IN	INV. OUT	TOP OF CURB OR RIM ELEV.	REMARKS
I-1	MODIFIED A-10 INLET	197.16	196.96	205.60	H.O. CO. STD. SD 4.02 SEE DETAIL DWG. NO. 4
I-2	A-5 INLET	193.65	192.65	205.60	H.O. CO. STD. SD 4.01
M-1	STD. MH	197.80 194.60	197.60	206.50	H.O. CO. STD. 6.5.11 W/ 5-1" Ø WEEP HOLES IN BOTTOM-SET MH ON 12" MIN. #2 STONE

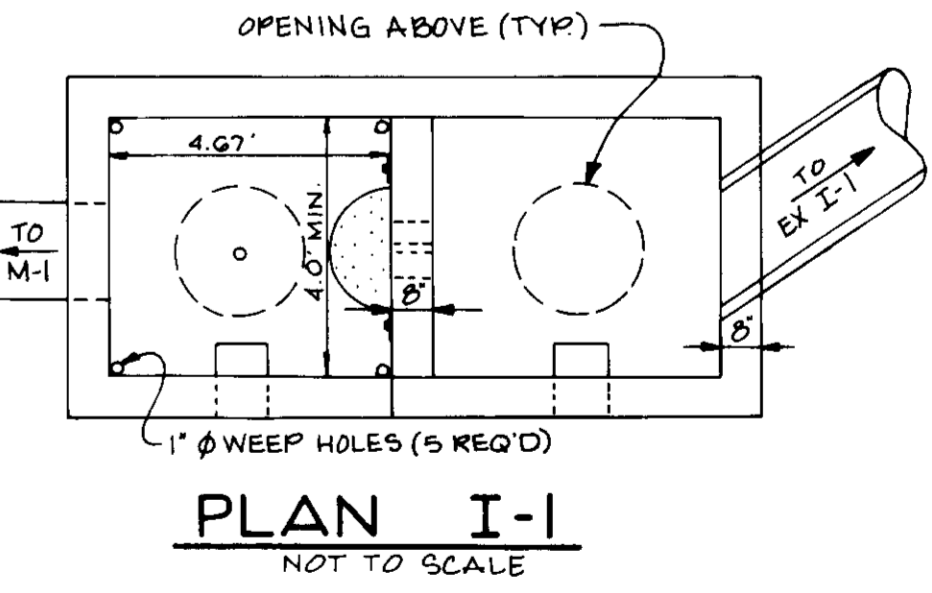
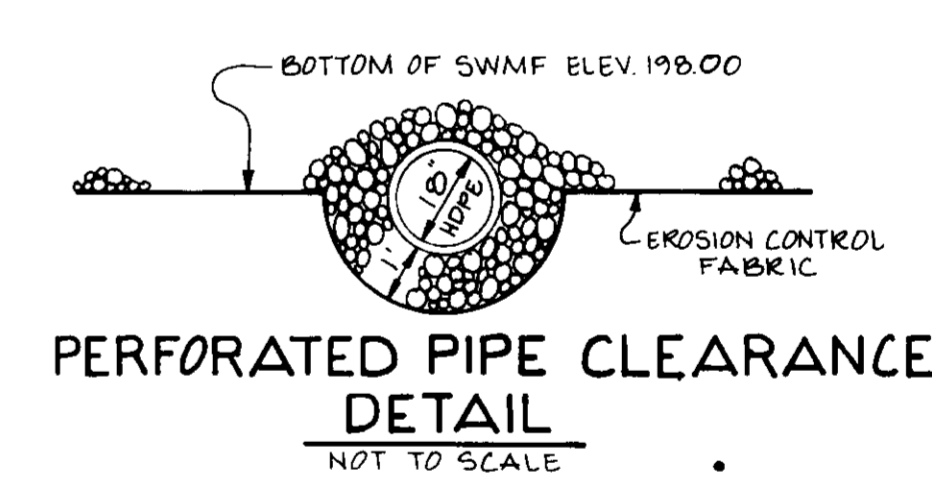
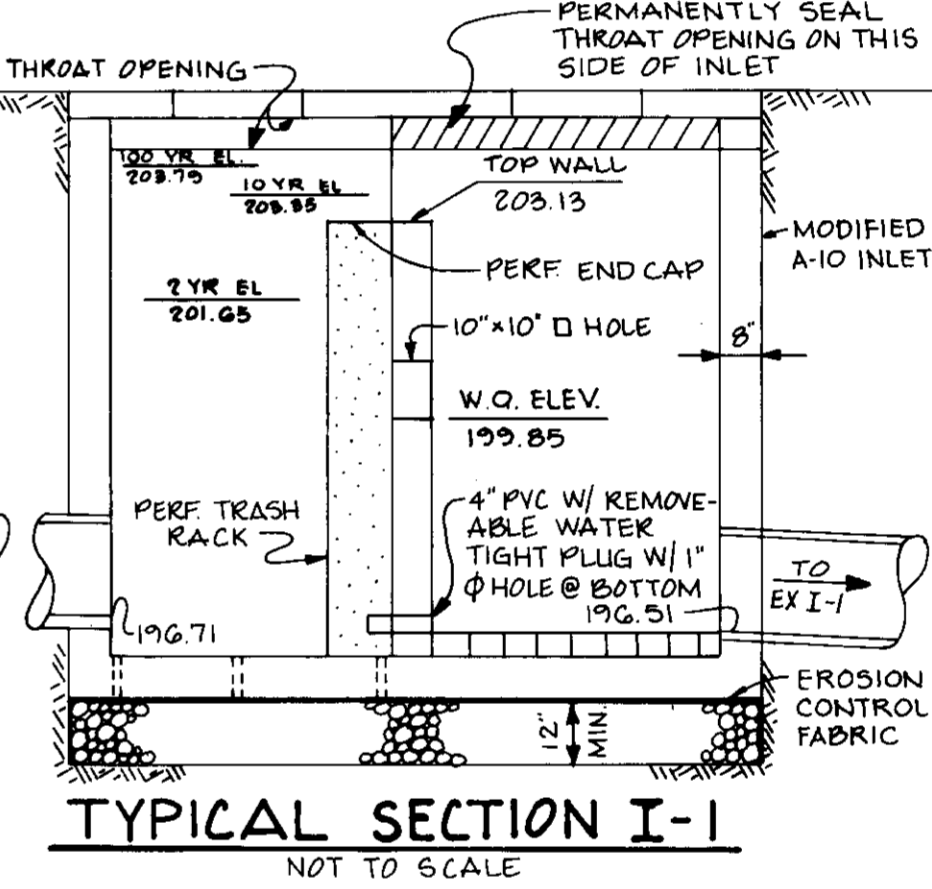
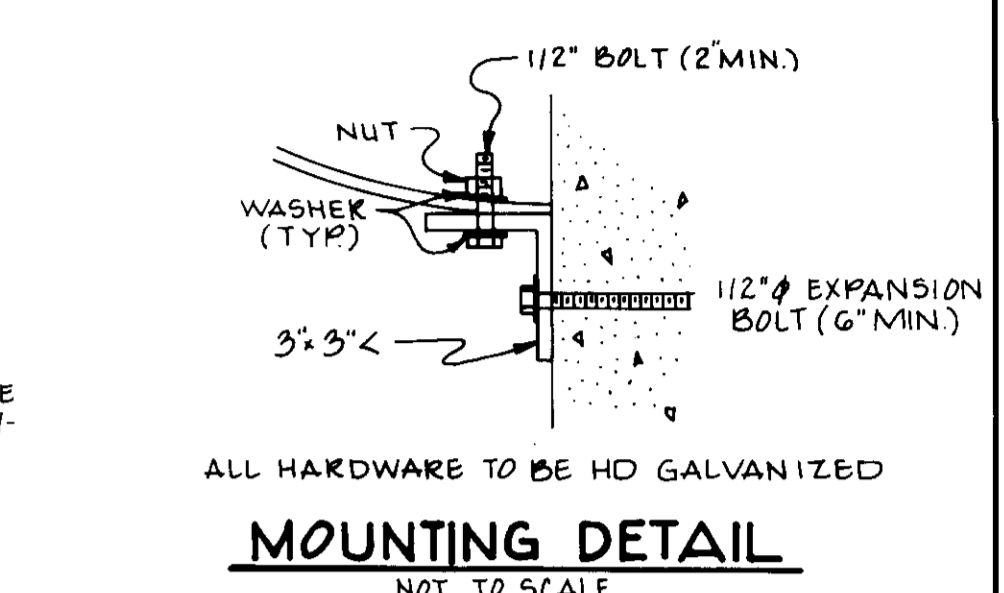
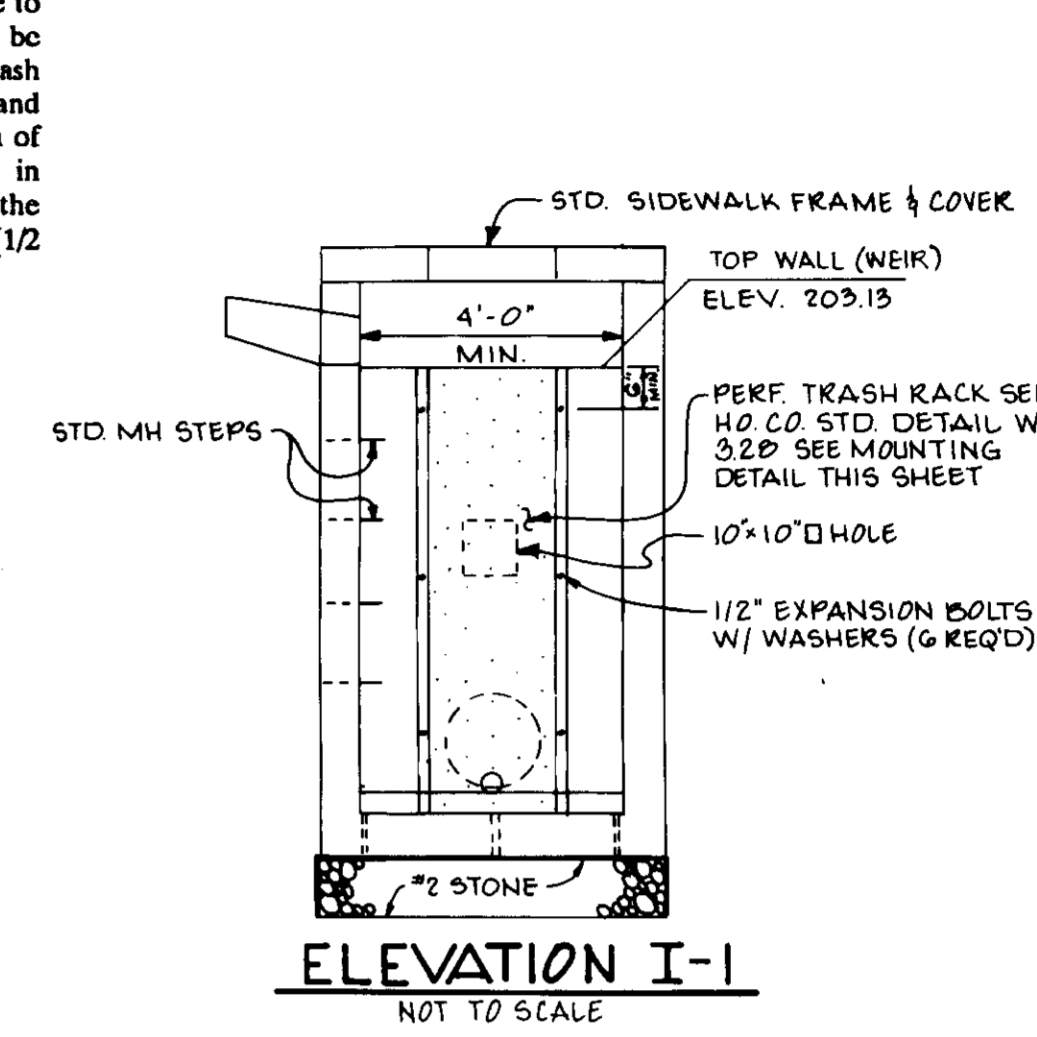
\* GRIT AND DEBRIS STORAGE IN BOTTOM - 5' DEPTH



**OPERATIONS AND MAINTENANCE SCHEDULE**  
for  
**STORMWATER MANAGEMENT FACILITY**

Runoff from the site is collected by inlets I-1 and I-2 and directed into an underground stone storage reservoir for temporary storage. The stored water is released at a reduced rate through sized orifices in and over the dividing wall in inlet I-1. Sediment and trash are carried by the runoff into the inlet and, by design, much of the material will collect in the drainage structures. This accumulation of material in the structures can hamper its operation and effectiveness; so, periodic maintenance is required for optimum performance. The following schedule of maintenance will be performed.

- Daily** - Loose trash and paper on the site is to be picked up and disposed of in trash cans or dumpster.
- Bi-Monthly** - Manhole covers on structures I-1, I-2, and M-1 are to be removed. All drainage openings are to be inspected and freed of foreign obstructions. Trash rack perforations are to be cleaned and all trash and buoyant debris is to be removed from the bottom of the structures. The depth of the sediment in structures I-2 and M-1 is to be checked. If the sediment level is within 18" of the outfall invert, (1/2 the grit storage), the sediment is to be removed.



REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

DATE: 7/17/94

BY THE ENGINEER:  
JOHN R. HEINRICH, P.E. #14920

DATE: 7/17/94

BY THE DEVELOPER:  
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 MARYLAND DEPARTMENT OF THE ENVIRONMENT 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.

DATE: 2-15-94

HOWARD S.C.D. DATE: 9/7/94

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

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

DATE: 9/16/94

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

DATE: 9/21/94

OWNER: AKS INC.  
C/O MR. MICHAEL GRAY  
800 GIBSON PIKE, SUITE 200  
BALTIMORE, MARYLAND 21228  
(410) 581-4800

DEVELOPER: TACO BELL CORPORATION  
1000 W. BROADWAY  
BALTIMORE, MARYLAND 21201  
(410) 481-8888

PHOENIX ENGINEERING, INC.  
CONSULTING ENGINEERS  
817 MAIDEN CHOICE LANE, SUITE 300  
BALTIMORE, MARYLAND 21228  
(410) 247-8833

AREA: P.B. 21/82 ELKRIDGE  
TAX MAP 38 PARCEL 117  
1ST ELECTION DISTRICT OF HOWARD COUNTY, MARYLAND

TITLE: DRAINAGE AREA MAP AND STORMWATER MANAGEMENT DETAILS

FORMERLY SDP 93-52 SEE: BA-93-51V

DATE: 7/17/94

JOHN R. HEINRICH  
Professional Engr. No. 14920

DATE: JANUARY 1994  
SDP 94-66

4 OF 5

PLANT LIST				
QUANTITY	KEY	BOTANICAL NAME	COMMON NAME	SIZE
6	RM	ACER RUBRUM	COMMON RED MAPLE	2 1/2' CAL.
2	AC	AMELANCHIER CANADENSIS	SERVICEBERRY	8' HT. MULTI STEM
3	APA	FRAXINUS AMERICANA 'AUTUMN PURPLE'	AUTUMN PURPLE ASH	2 1/2' CAL.
3	HL	GLEDITSIA TRICANTHOS 'INERMIS HALKA'	HALKA HONEYLOCUST	2 1/2' CAL.
5	PA	PICEA ABIES	NORWAY SPRUCE	8' TO 10' HT.
6	PT	PINUS THUNBERGII	JAPANESE BLACK PINE	8' TO 10' HT.
5	ZEL	ZELKOVA SERRATA 'GREEN VASE'	GREEN VASE ZELKOVA	2 1/2' CAL.
9	INK	ILEX GLABRA	INKBERRY	24' HT.
2	vpt	VIBURNUM TOMENTOSUM 'MARESII'	DOUBLEFILE VIBURNUM	36' HT.

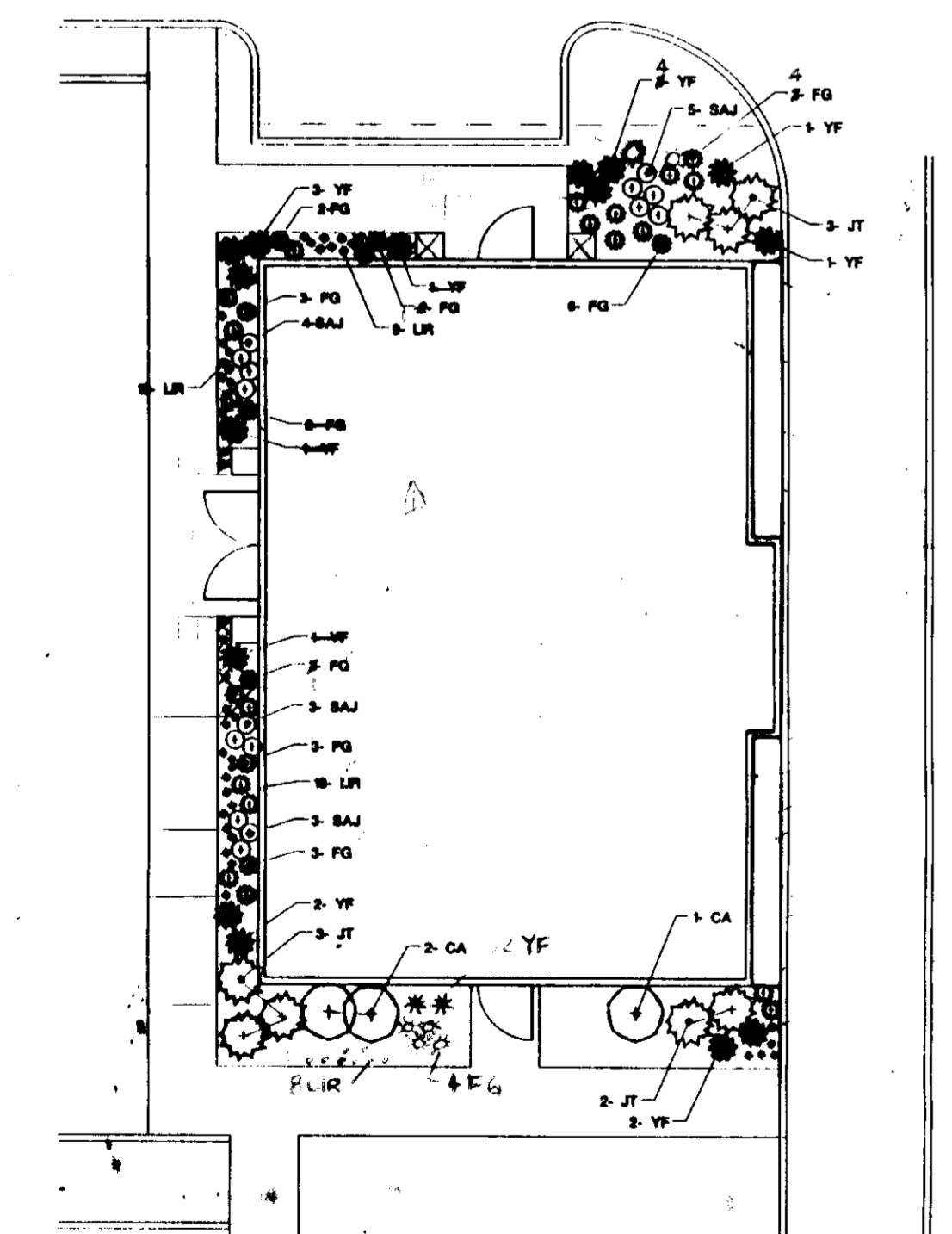
Quant	Key	Botanical Name	Common Name	Size
19	JT	Juniperus sabina 'tamaniscifolia'	Tams Juniper	24" spd
3	CA	Clethra alnifolia 'pinkspire'	Pinkspire	24"-30"
35	AJU	Ajuga reptans	Bugleweed	flat
40	FG	Pennisetum alopecuroides	Fountain Grass	2 qt.
50	YF	Yucca filamentosa	Adam's Needle Yucca	1 gal
35	SAJ	Scdum spectabile 'Autumn Joy'	Autumn Joy Sedum	2 qt.
55	LIR	Liriope muscari 'Big Blue'	Big Blue Lilyturf	flat

PARKING LOT INTERNAL LANDSCAPING

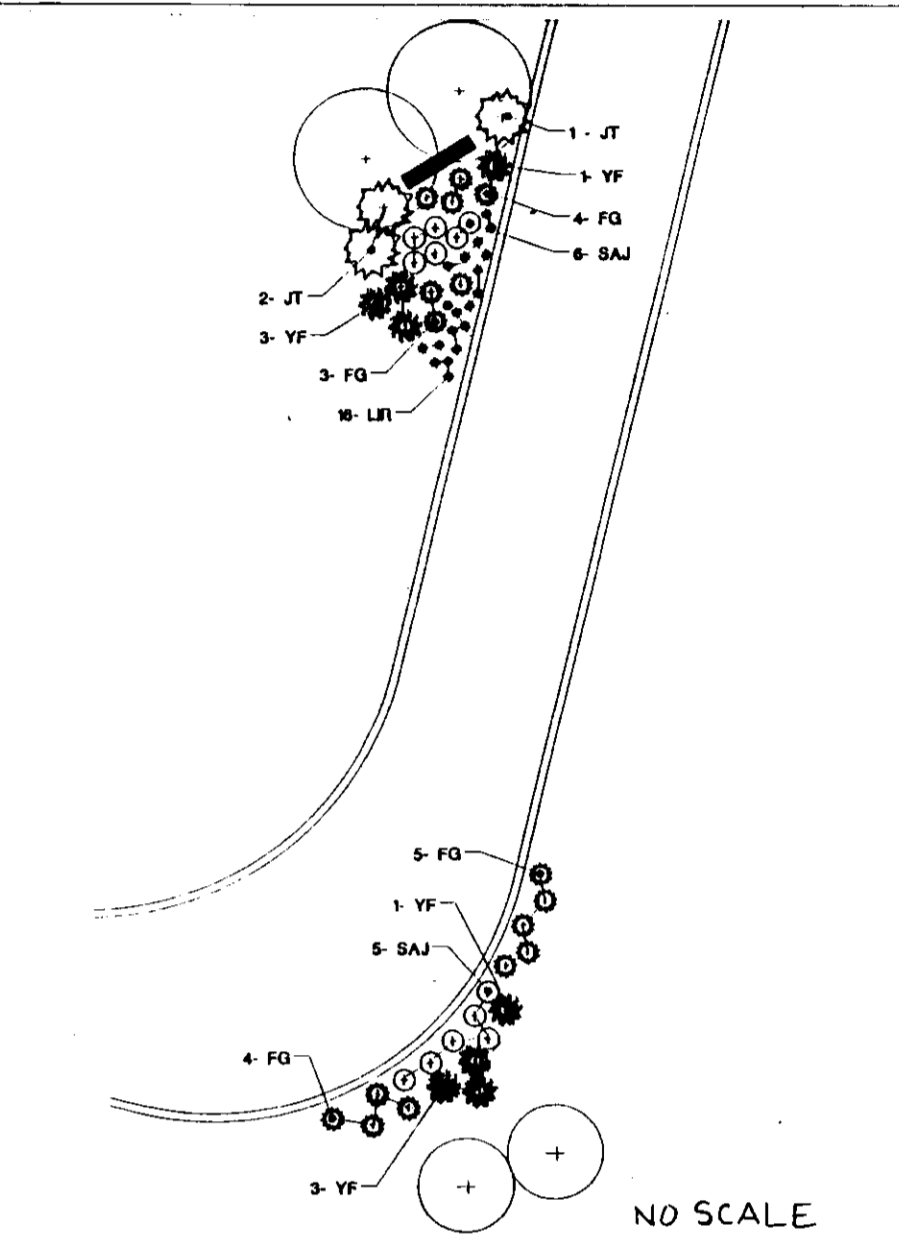
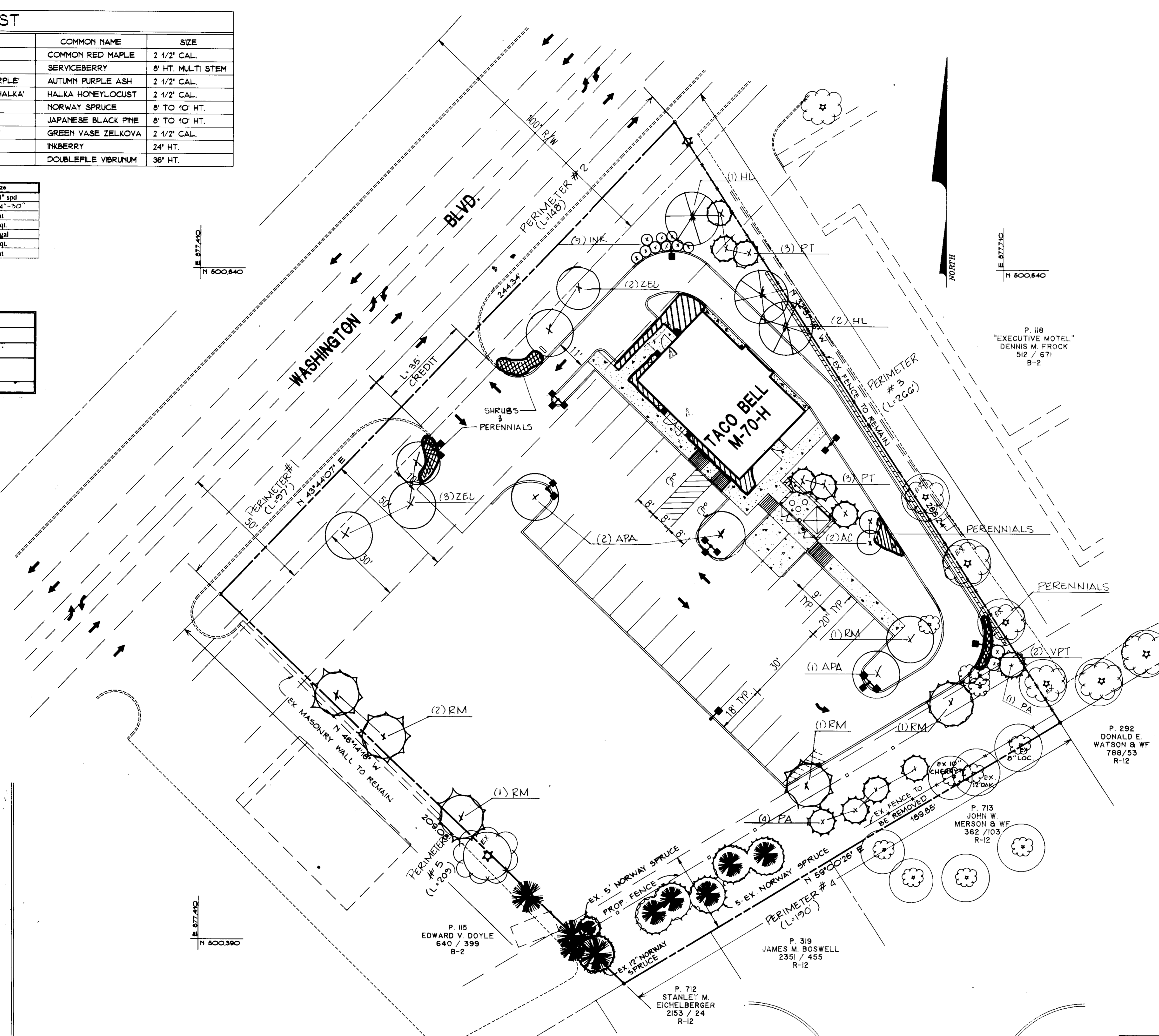
Number of Parking Spaces	30
Number of Islands Required @ 1:20 SP	2
Number of Trees Required	2
Number of Trees Provided	4
Shade Trees	4
Other Trees (2:1 substitution)	5

CATEGORY	ADJACENT TO ROADWAYS					ADJACENT TO PERIMETER PROPERTIES					TOTAL	
	1	2	3	4	5	1	2	3	4	5		
Perimeter Number												
Landscape Type	B	E	A	C	A							
Linear Feet of Roadway Frontage/Perimeter	97'	148'	266'	190'	209'							
Credit for Existing Vegetation (Yes, No, Linear Feet) (Describe below if needed)	no	no	no	YES (5)	YES (2)							
Credit for Wall, Fence or Berm (Yes, No, Linear Feet) (Describe below if needed)	no	(15)	no	YES (50)	no							
Number of Plants Required	2	3	5	0	3							13 REQD.
Shade Trees	3	0	0	0	0							3 REQD.
Shrubs	0	3	5	0	3							13 REQD.
Number of Plants Provided	3	3	2	2	3							13 PROV.
Shade Trees	0	0	4	4	0							8 PROV.
Other Trees (2:1 substitution)	0	0	0	0	0							5 PROV.
Shrubs (10:1 substitution)	3	3	11	0	0							20 PROV.
(Describe plant substitution credits below if needed)												

Comments: 1. Credit for 5 mature Norway Spruce Trees plus 3 ex. shade trees @ rear of site  
 2. Credit for 6' fence to be constructed @ rear of site  
 3. Credit for 2 mature Norway Spruce Trees @ rear of site  
 4. Credit - Reduced 55' for entrance

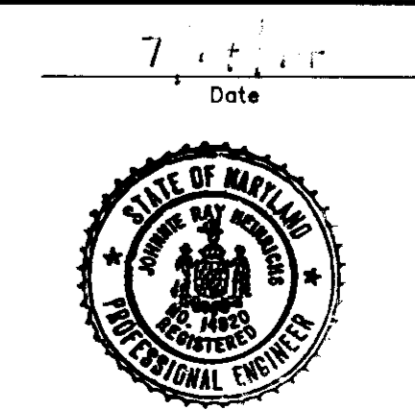


DETAIL OF SHRUBS & PERENNIALS AT BUILDING  
NO SCALE



DETAIL OF SHRUBS & PERENNIALS AT DRIVE-THRU  
NO SCALE

NOTES:  
 1. THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 12.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL.  
 2. FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING HAS BEEN POSTED AS PART OF THE DPW DEVELOPERS AGREEMENT IN THE AMOUNT OF \$1800.00



DETAIL OF SHRUBS & PERENNIALS AT ENTRANCE  
NO SCALE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT  
 [Signature] 9/7/94  
 HEALTH OFFICER DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 [Signature] 9/1/94  
 DIRECTOR DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING  
 [Signature] 9/13/94  
 PLANNING DIRECTOR DATE

CHIEF DIVISION OF LAND DEVELOPMENT AND RESEARCH  
 [Signature] 9/13/94  
 DATE

OWNER: AKS INC.  
 C/O MR. RICHARD GLOVE  
 5422 CHASE AVENUE  
 BALTIMORE, MARYLAND 21227  
 (410) 842-4867

DEVELOPER: TACO BELL CORPORATION  
 ONE APARTMENT BLDG.  
 800 HANCOCK BLVD., SUITE 200  
 BIRMINGHAM, ALABAMA 35203  
 (205) 461-8811

PHOENIX ENGINEERING, INC.  
 CONSULTING ENGINEERS  
 817 WALDEN CHOICE LANE, SUITE 300  
 BALTIMORE, MARYLAND 21228  
 (410) 247-8633

AREA: P.B. 21/82 ELKCRIDGE  
 TAX MAP 38 PARCEL 117  
 1ST ELECTION DISTRICT OF HOWARD COUNTY, MARYLAND

TITLE: LANDSCAPE PLAN  
 FORMERLY SDP 93-52 SEE: BA-93-51V

Des By: R.J.W. Scale: 1" = 20' Proj No: 93-1400  
 Dwn By: A.J.R. Date: JANUARY 1994 TACO BELL  
 Chk By: J.R.H. SDP 94-66 DRAWING NO: 5 OF 5