

PRIVATE STORM WATER SEWER PLANS FOR LOT 1, BLOCK 3, MEDITERRANEAN PLAZA

JULY 1998

PROJECT NO. 818PPS
INDEX CODE 607861

CITY OF WICHITA, KANSAS
MICHAEL E. LINDEBAK, CITY ENGINEER

GENERAL NOTES

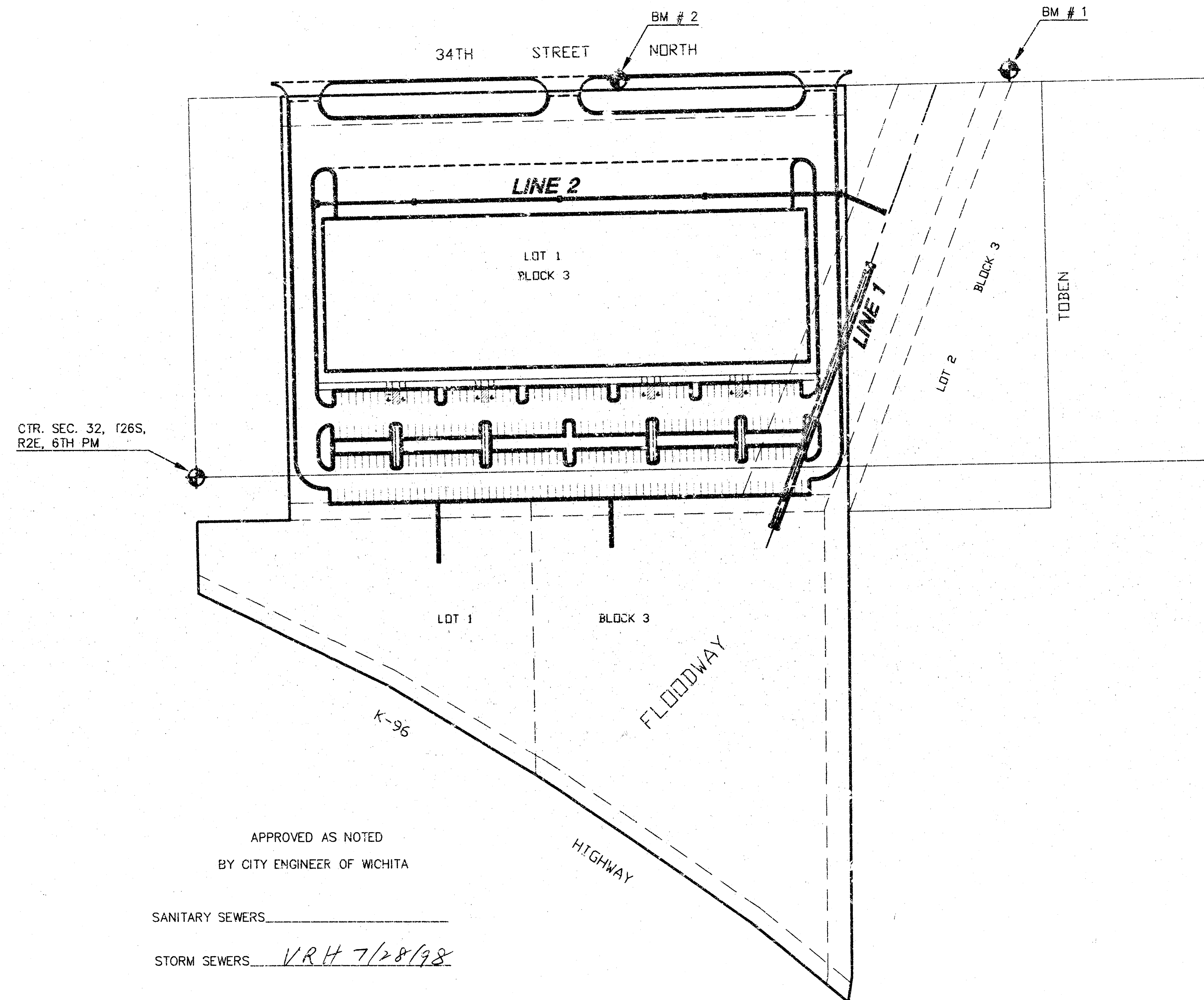
- UNLESS SHOWN OR STATED OTHERWISE ON THESE DRAWINGS, MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH CITY OF WICHITA CONCRETE PAVEMENT AND ASPHALTIC CONCRETE PAVEMENT SPECIFICATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY IRONS. THE CONTRACTOR WILL BE REQUIRED TO RE-ESTABLISH ANY PROPERTY IRONS WHICH ARE DAMAGED OR DESTROYED BY HIS CONSTRUCTION OPERATIONS. SUCH IRONS SHALL BE RE-ESTABLISHED BY A LICENSED LAND SURVEYOR IN ACCORDANCE WITH STATE LAWS.
- EXISTING UTILITIES AND THEIR LOCATIONS, AS SHOWN ON THE PLANS REPRESENT THE BEST INFORMATION OBTAINABLE FOR DESIGN. LOCATION INFORMATION HAS BEEN OBTAINED FROM THE VARIOUS UTILITY COMPANIES AND IS EITHER FROM COMPANY RECORD DRAWINGS OR COMPANY PROVIDED FIELD LOCATIONS. THE PLAN LOCATIONS SHOWN ARE NOT GUARANTEED. ADDITIONAL EXISTING UTILITIES MAY ALSO BE ENCOUNTERED.
- CONTRACTOR WILL BE REQUIRED TO PROVIDE A MINIMUM ADVANCE NOTICE OF FORTY-EIGHT (48) HOURS TO UTILITY COMPANIES PRIOR TO STARTING ANY EXCAVATION AS FOLLOWS:

KANSAS ONE-CALL 1-800-344-7233
OR 687-2470 (LOCAL WICHITA)

THE CONTRACTOR MUST NOTIFY THE FOLLOWING IN CASE OF AN EMERGENCY:

SOUTHWESTERN BELL TELEPHONE COMPANY 1-800-734-7596
CABLEVISION 262-0661
KG&E (GAS) 832-0012
KG&E (ELECTRIC) 264-1141
CITY OF WICHITA WATER & SEWER DEPT. 265-4908

- RUBBLE FROM THE REMOVAL OF MISCELLANEOUS STRUCTURES AND EXCESS EXCAVATION WHICH IS TO BE WASTED SHALL BE DISPOSED OF ON SITES TO BE PROVIDED BY THE CONTRACTOR. THESE SITES SHALL BE APPROVED BY THE ENGINEER AS TO SUITABILITY, APPEARANCE AND SITE LOCATION. LOCATIONS THAT, IN THE OPINION OF THE ENGINEER, WILL LEAVE AN UNSIGHTLY APPEARANCE WILL NOT BE APPROVED. ALL DISPOSAL SITES MUST BE APPROVED BY THE KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT. MATERIAL EITHER STOCKPILED OR DISPOSED OF IN A FLOOD PLAIN WOULD REQUIRE A KANSAS STATE BOARD OF AGRICULTURE PERMIT. ANY MATERIAL DUMPED IN WATERS OF THE UNITED STATES OR WETLANDS IS SUBJECT TO U.S. CORPS OF ENGINEERS PERMITTING REGULATIONS. ANY MATERIAL BURIED OR STOCKPILED BEYOND APPROVED CONSTRUCTION LIMITS WOULD REQUIRE ADDITIONAL ARCHAEOLOGICAL INVESTIGATIONS UNLESS BURIED IN A PREVIOUSLY APPROVED BORROW LOCATION.
- TREES TO BE REMOVED ARE MARKED ALL TREES WHICH IN THE OPINION OF THE FIELD ENGINEER CAN BE SAVED, SHALL BE SAVED. REMOVAL OF TREES SHALL BE CONSIDERED AS SUBSIDIARY TO SITE PREPARATION & RESTORATION.
- ALL TOPSOIL SHALL BE STRIPPED IN AREAS OF CUT/FILL AND STOCKPILED.
- A LAYER OF TOPSOIL IS TO BE PLACED OVER ALL AREAS WHERE THE VIRGIN GRADE NO LONGER EXISTS, WITH THE EXCEPTION OF PAVED AREAS. THIS INCLUDES BERMS, SWALES AND SLOPES. NOTE: THE FINISHED GRADE INDICATES THE SURFACE ELEVATION AFTER THE PLACEMENT OF TOPSOIL.
- ALL DISTURBED AREAS TO BE SEEDED WITH RYE GRASS AT A RATE OF 250LBS./ ACRE WITHIN 10 DAYS OF CONSTRUCTION. COST SHALL BE CONSIDERED AS SUBSIDIARY TO SITE PREPARATION & RESTORATION.
- CONTRACTOR SHALL COORDINATE THE WASTING OF EXCESS MATERIAL ON SITE, WITH THE OWNER (JOHNNY STEVENS, 316-636-2100) OR HIS REPRESENTATIVE (MKEG 684-9600).

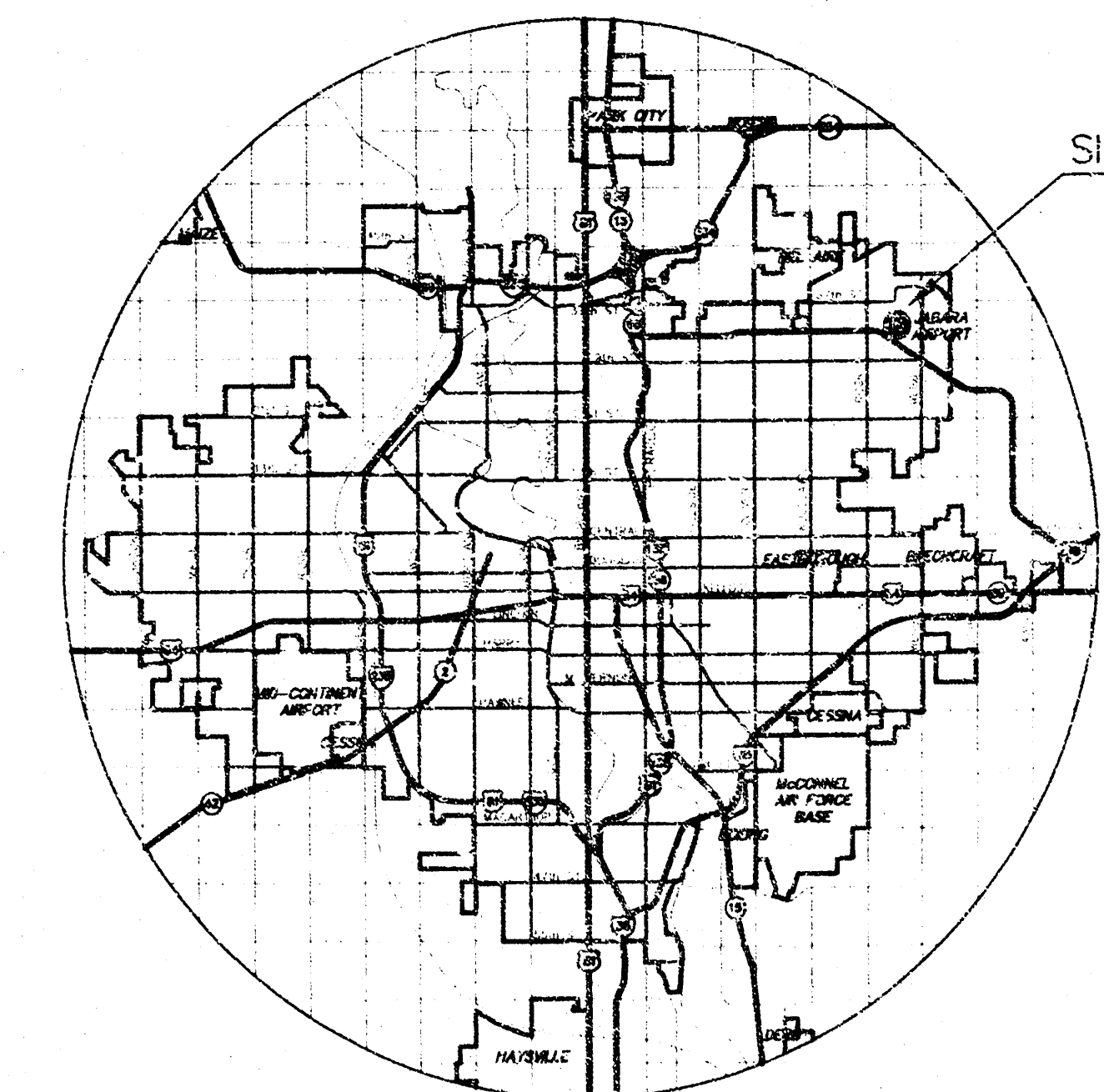


APPROVED AS NOTED
BY CITY ENGINEER OF WICHITA

SANITARY SEWERS _____
STORM SEWERS VRH 7/28/98
DRIVEWAY APPROACHED _____
WATER MAINS _____
PAVING _____

NOTE TO CONTRACTOR

INSPECTION AND TESTING FOR THIS PROJECT IS TO BE PROVIDED BY A LICENSED CONSULTING ENGINEERING FIRM UNDER CONTRACT WITH THE OWNER/DEVELOPER. SAID INSPECTION TO BE IN ACCORDANCE WITH THE CITY OF WICHITA STANDARD CONSTRUCTION ENGINEERING PRACTICES AND CERTIFIED BY A LICENSED PROFESSIONAL ENGINEER. NO WORK SHALL BE PERFORMED IN DEDICATED EASEMENTS OR THE PUBLIC RIGHT-OF-WAY BY THE CONTRACTOR WITHOUT SUCH INSPECTION NOR SHALL ANY WORK BE COMMENCED IN DEDICATED EASEMENTS OR PUBLIC RIGHT-OF-WAY WITHOUT WRITTEN AUTHORIZATION BY THE CITY ENGINEER.



SITE LOCATION

LOCATION MAP



SCALE: 1" = 100'

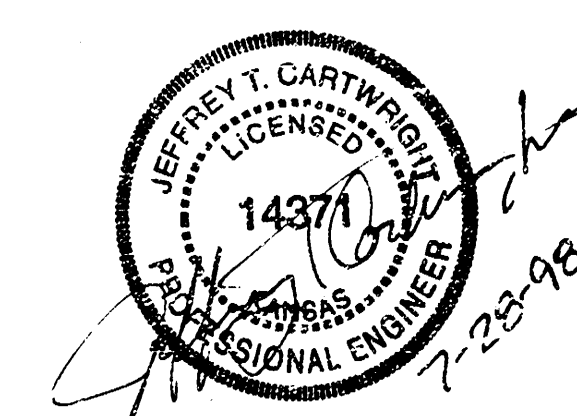
INDEX TO DRAWINGS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	GRADING PLAN
3-5	STORM SEWER PLANS & PROFILES
6	EROSION CONTROL DETAILS
7-9	STORM WATER SEWER DETAILS
10	FINAL PLAT

BENCHMARKS

- BM #1 "□" CUT ON SW. COR. OF CENTER CURB INLET ON S. SIDE OF 34TH ST, 208' E. OF NE. COR. LOT 1, BLOCK 3. ELEV. = 229.36
- BM #2 "□" CUT ON SE. COR. OF E. CURB INLET ON S. SIDE OF 34TH ST, 283' W. OF NE. COR. LOT 1, BLOCK 3. ELEV. = 232.685

AS-BUILT = 20 DEC 2002

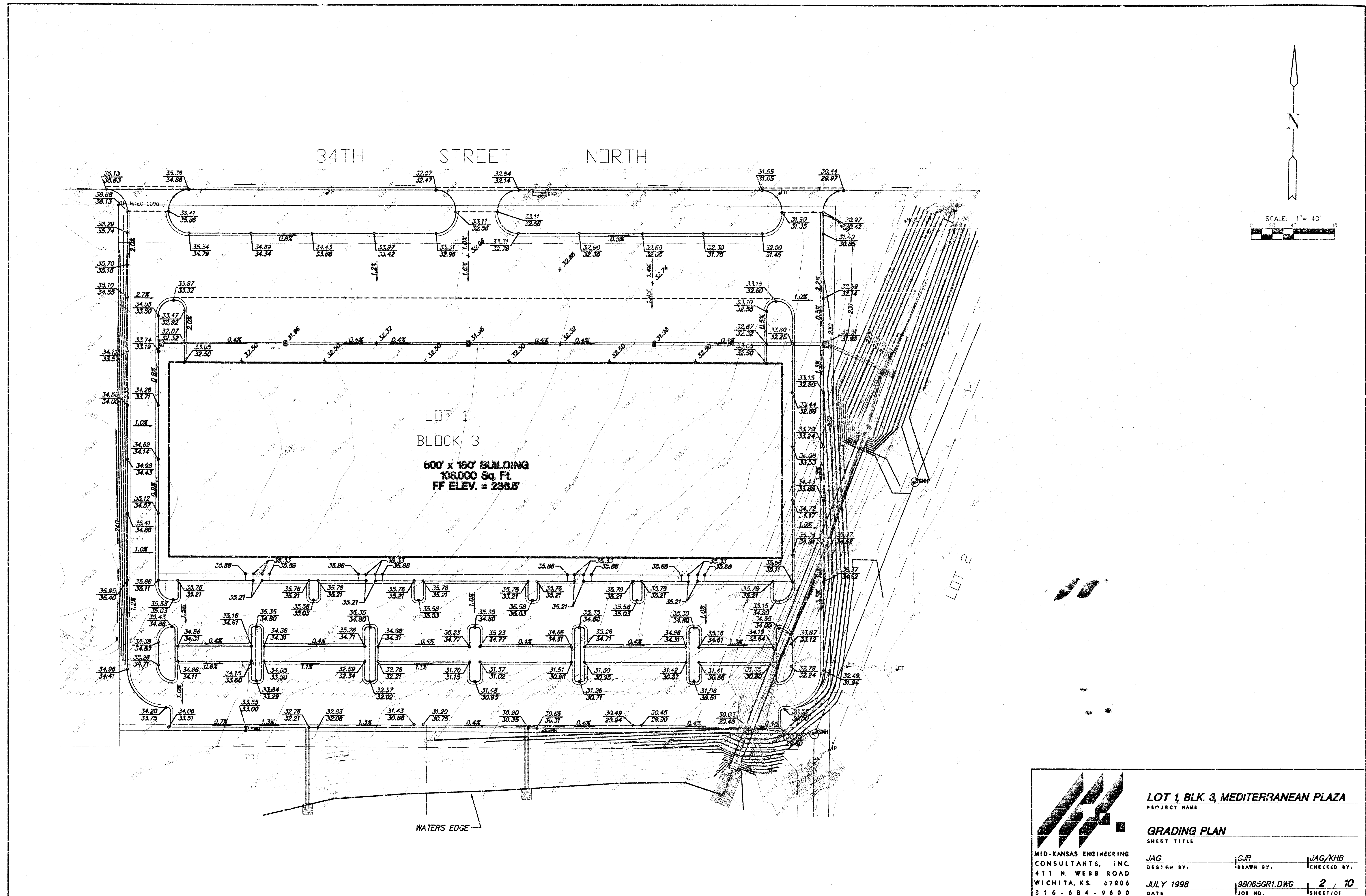


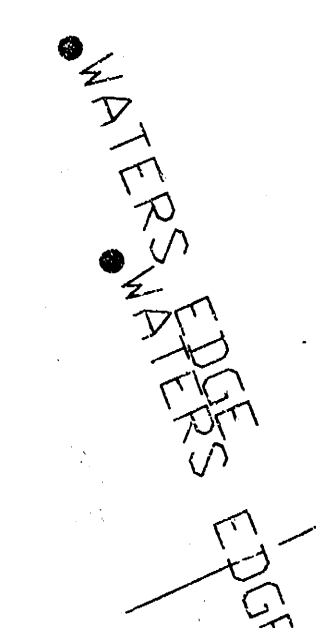
MID-KANSAS ENGINEERING
CONSULTANTS, INC.
411 N. WEBB ROAD
WICHITA, KS. 67206
316-684-9600

LOT 1, BLK. 3, MEDITERRANEAN PLAZA
PROJECT NAME
PAVING & STORM WATER
SEWER TITLE SHEET
SHEET TITLE

DESIGN BY: JG DRAWN BY: GJR CHECKED BY: JG/KHB
DATE: JULY 1998 JOB NO.: 98065_DT SHEET/OF: 1 / 10

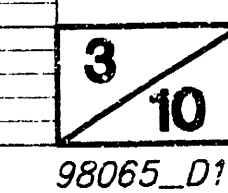
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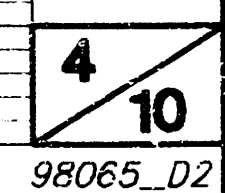


SCALE: 1"=20'

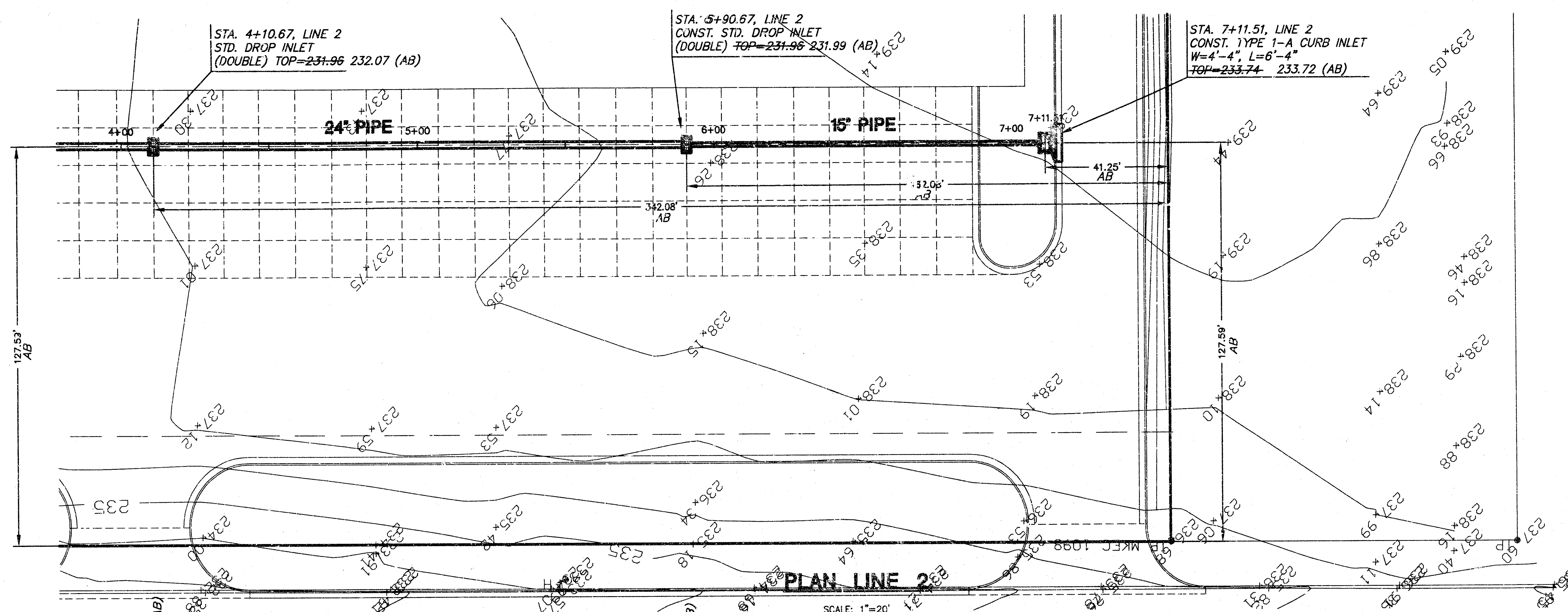
AS-BUILT 20 DECEMBER 2002



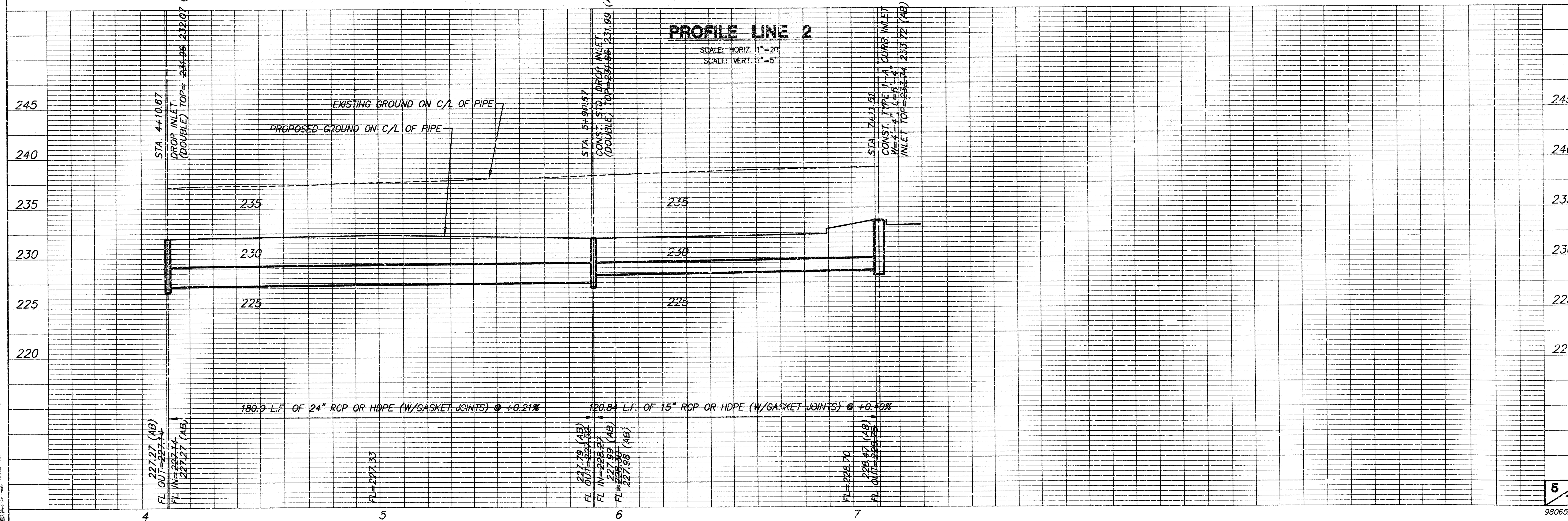
98065_

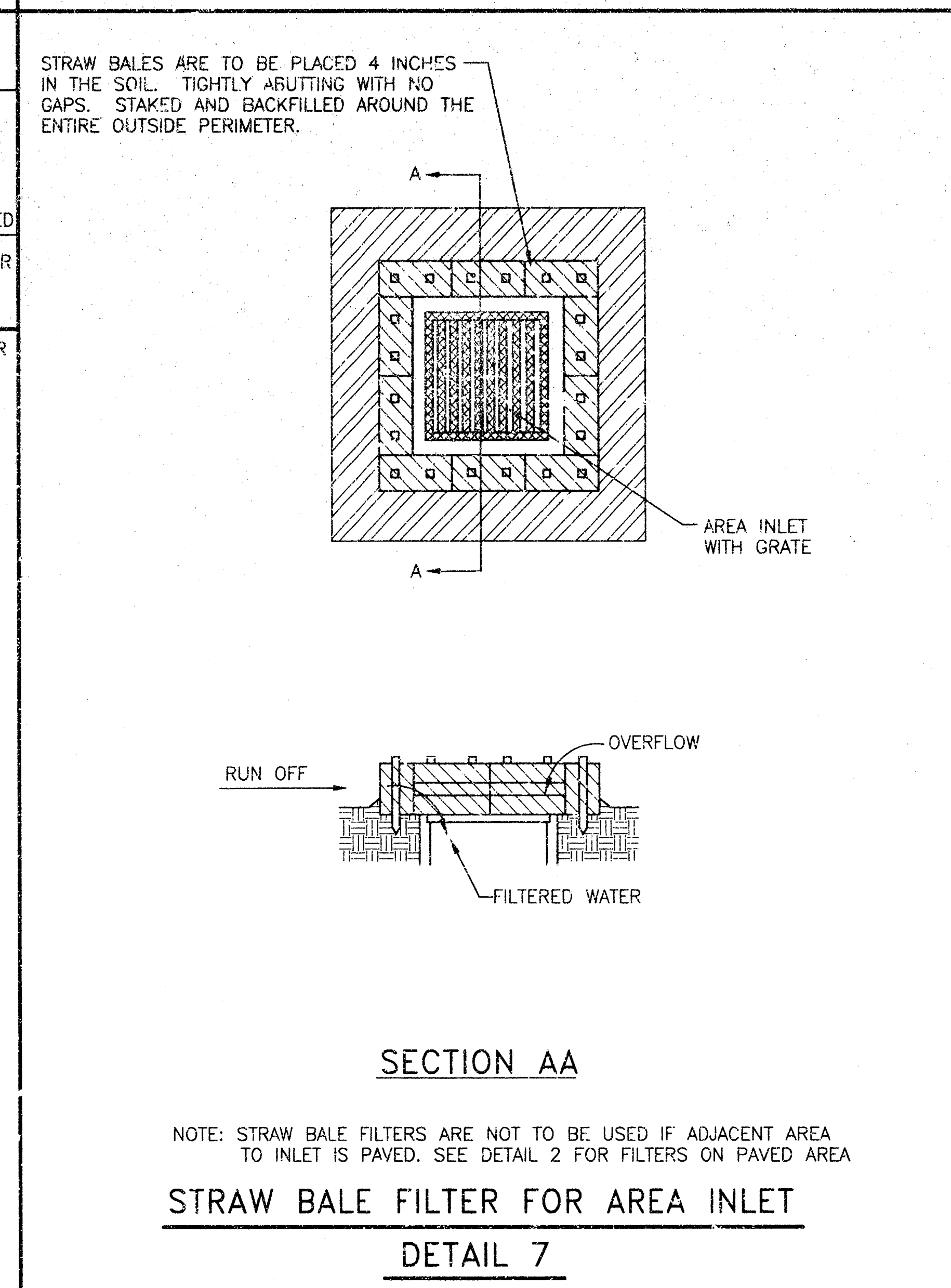
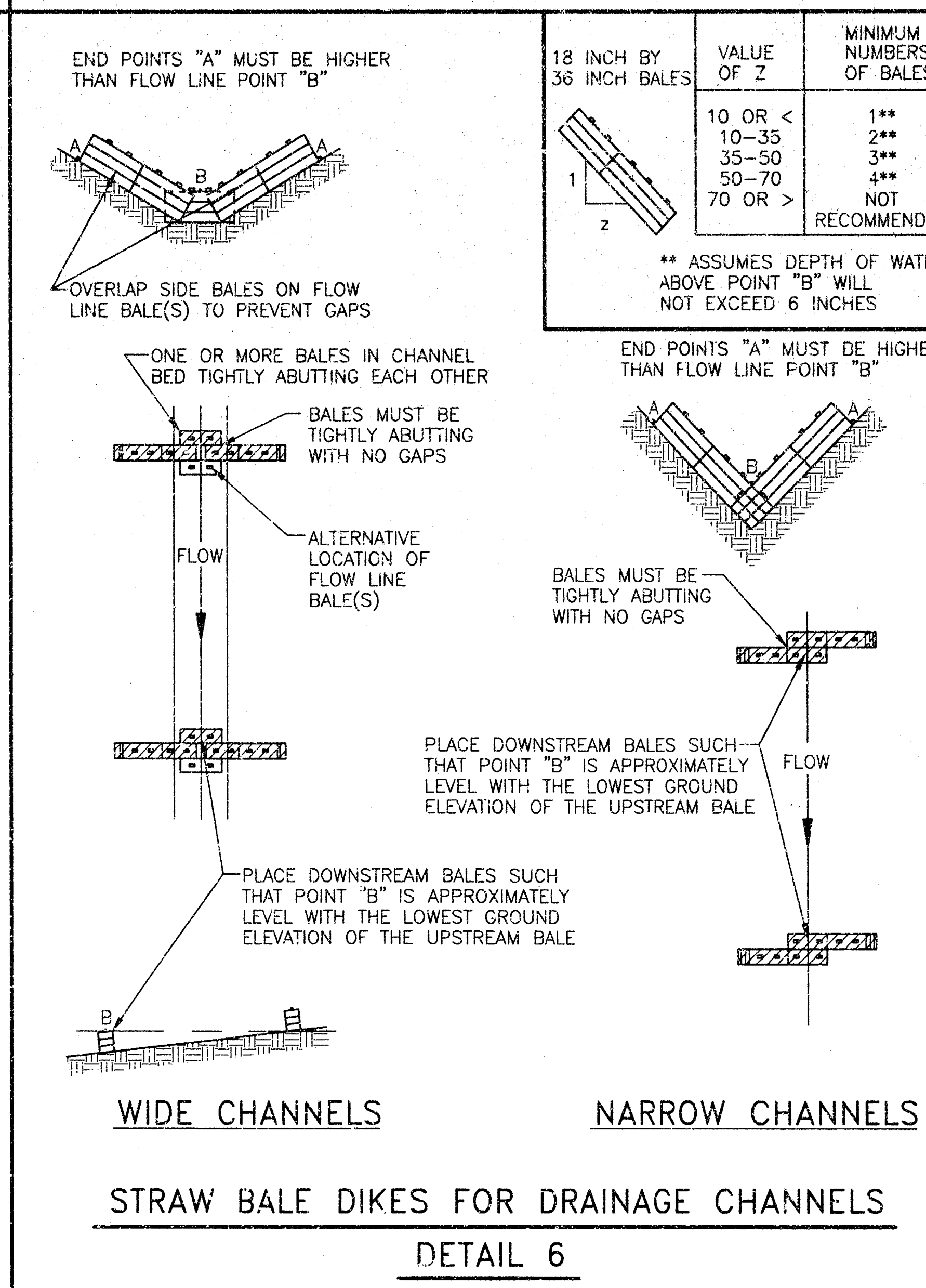
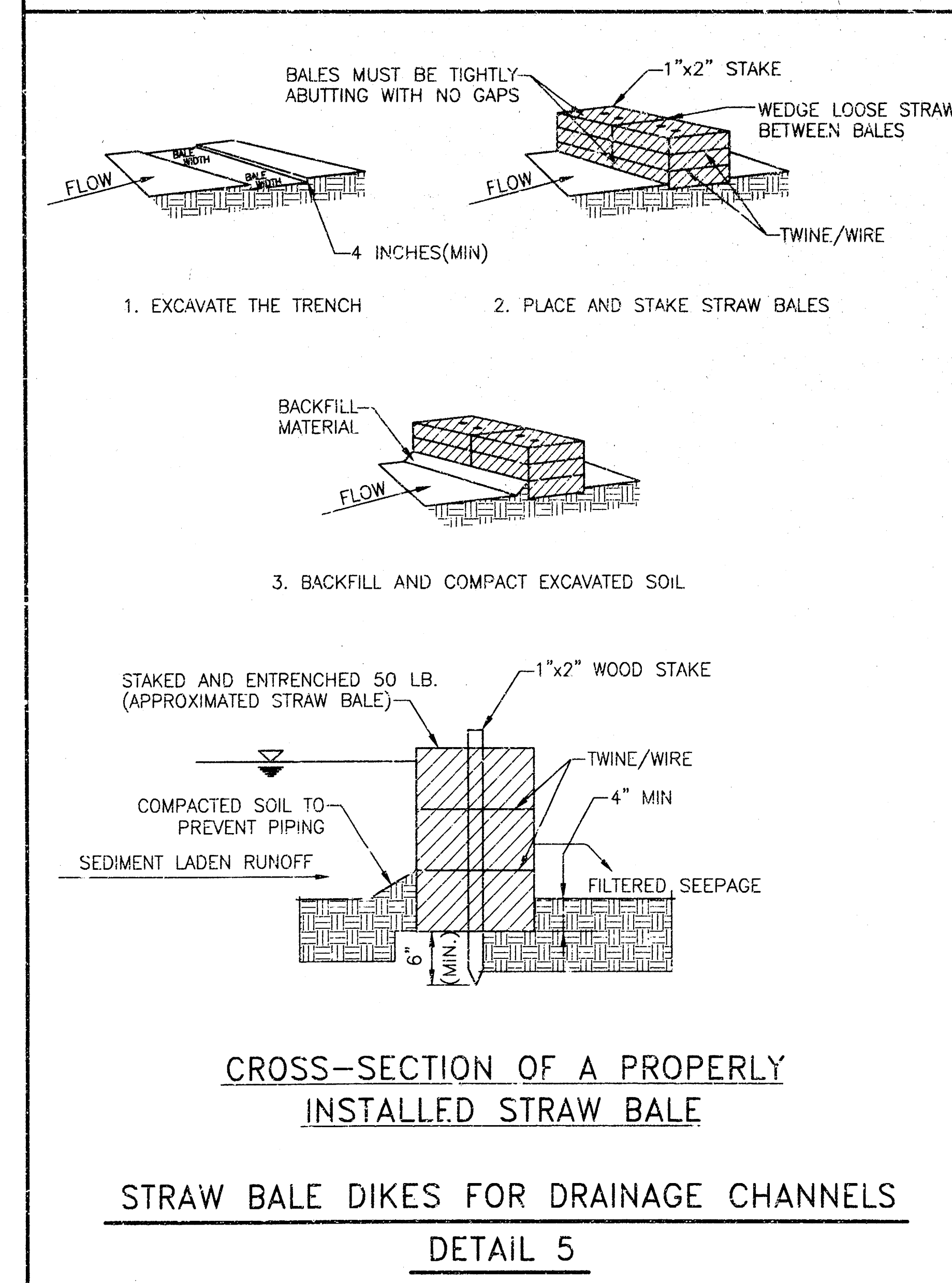
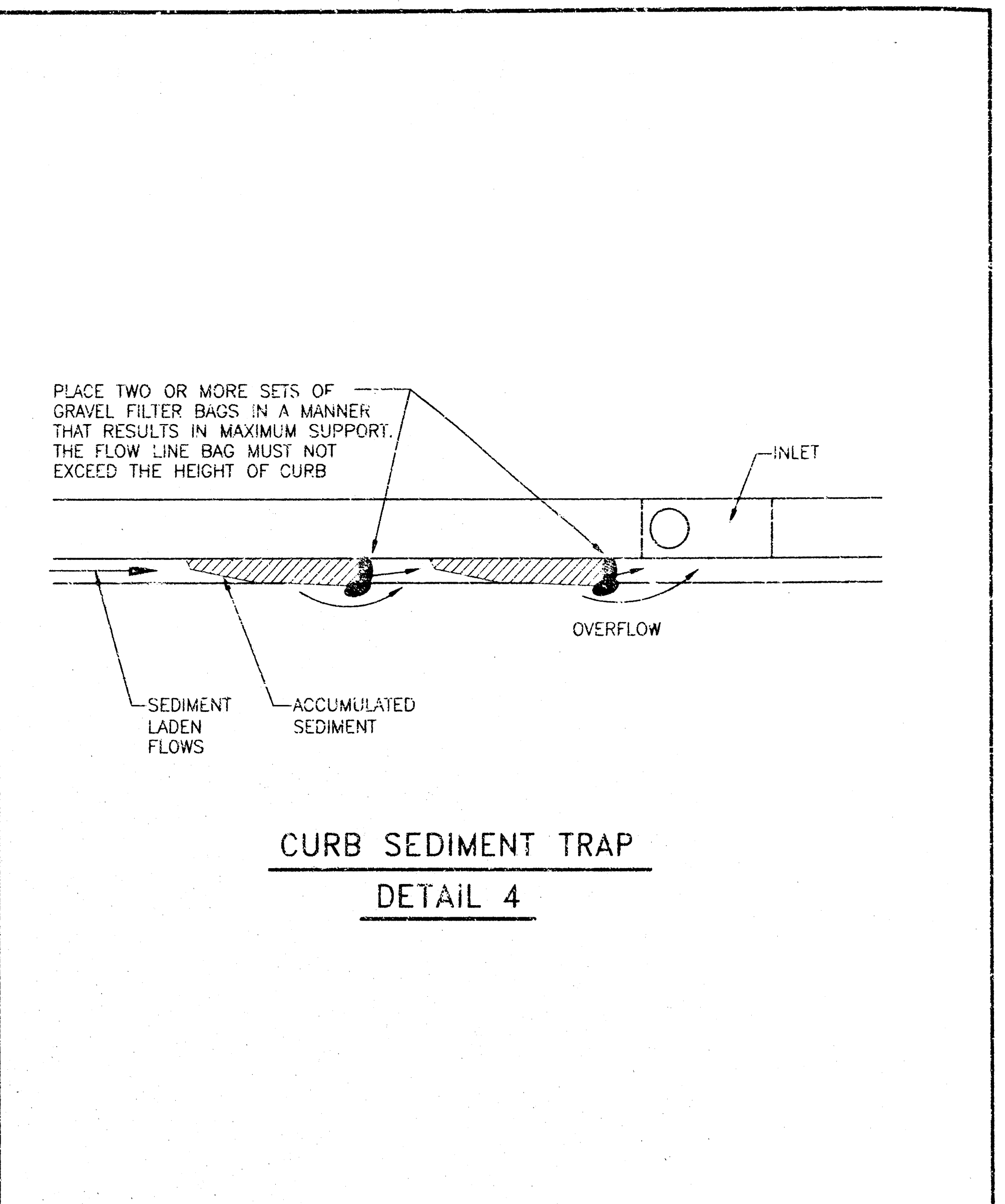
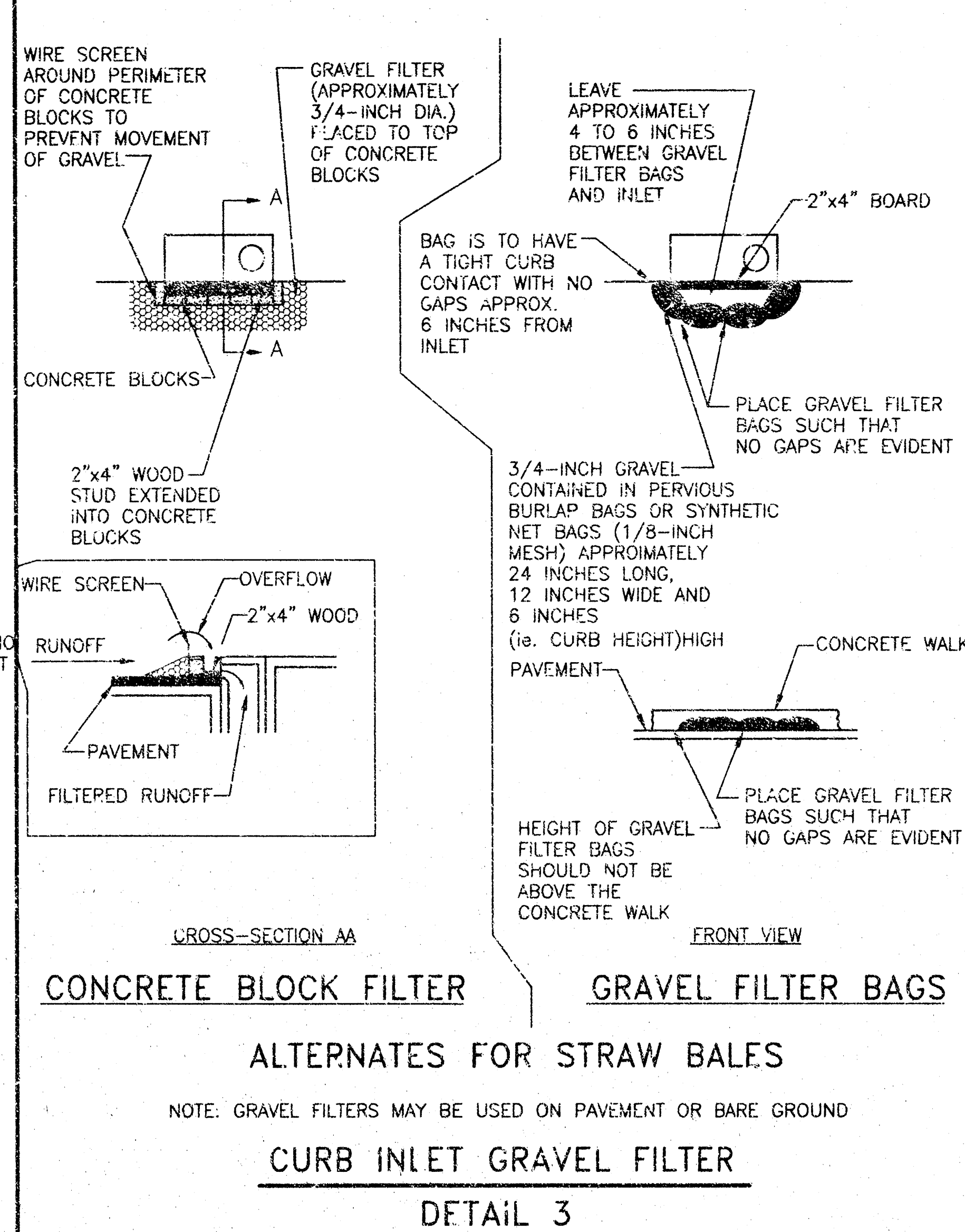
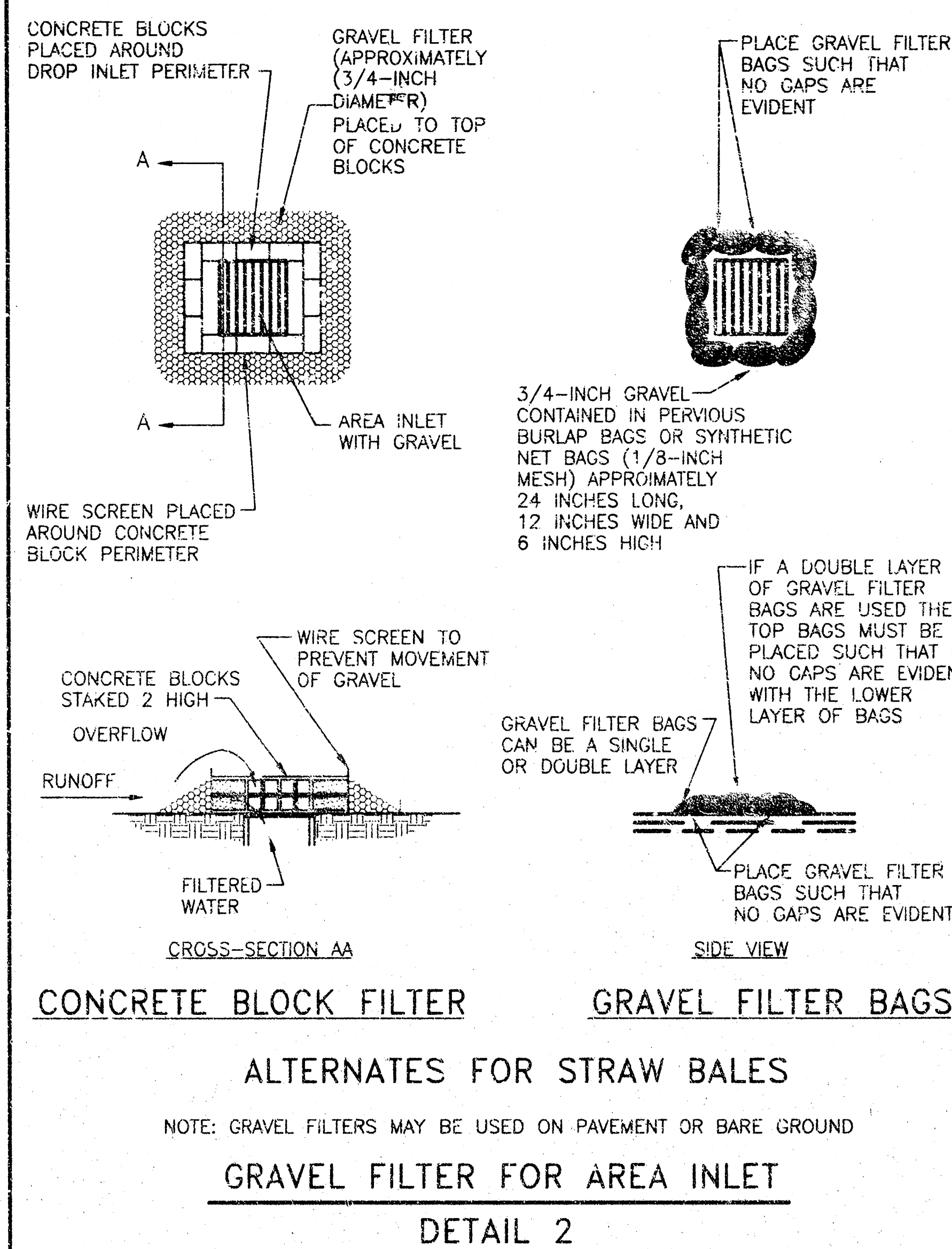
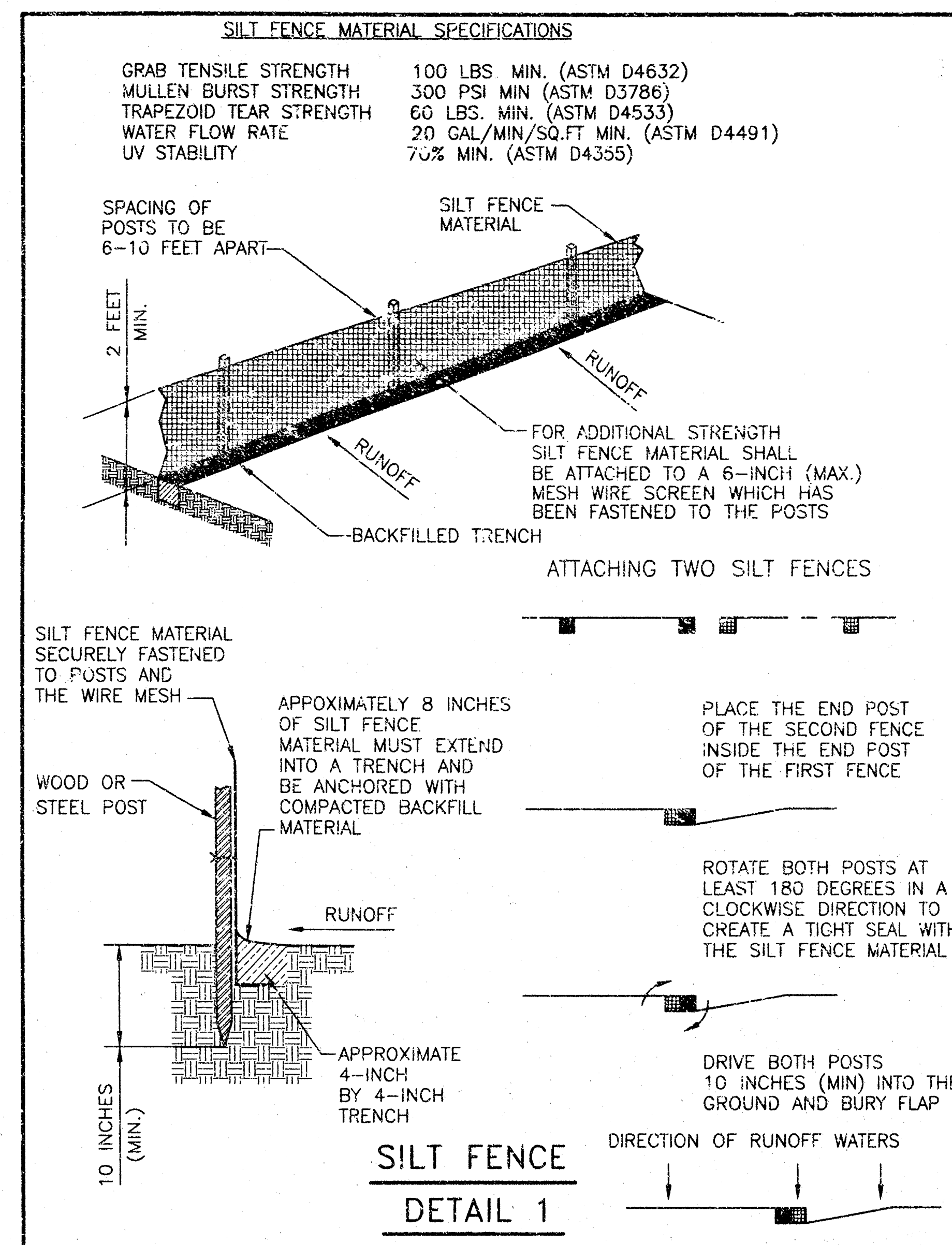


MEDITERRANEAN PLAZA
LOT 1, BLOCK 3
STORM SEWER PLANS



AS-BUILT 20 DECEMBER 2002





LOT 1, BLOCK 3, MEDITERRANEAN PLAZA
PROJECT NAME

EROSION CONTROL DETAILS
SHEET TITLE

JG
DESIGN BY:

GJR
DRAWN BY:

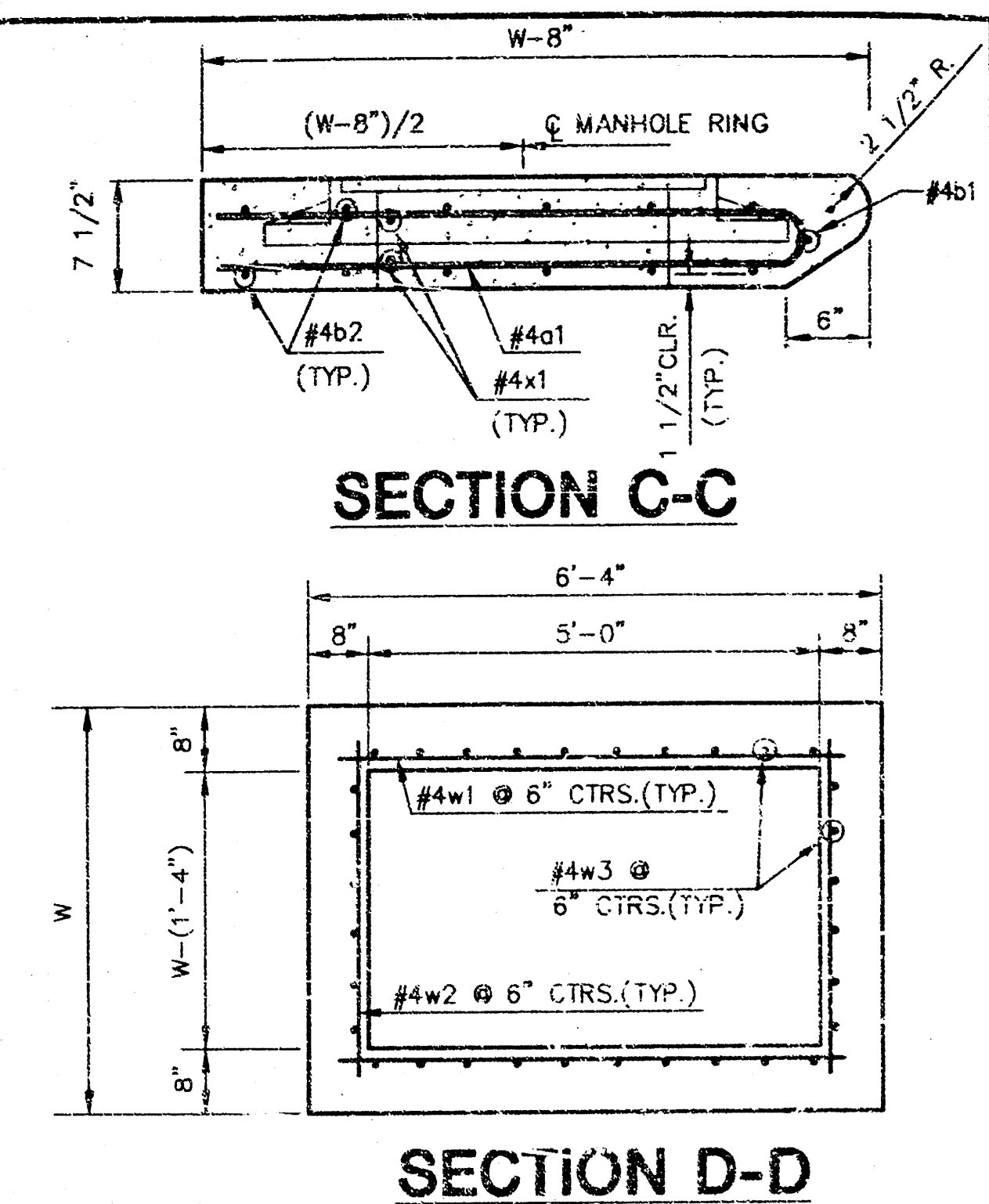
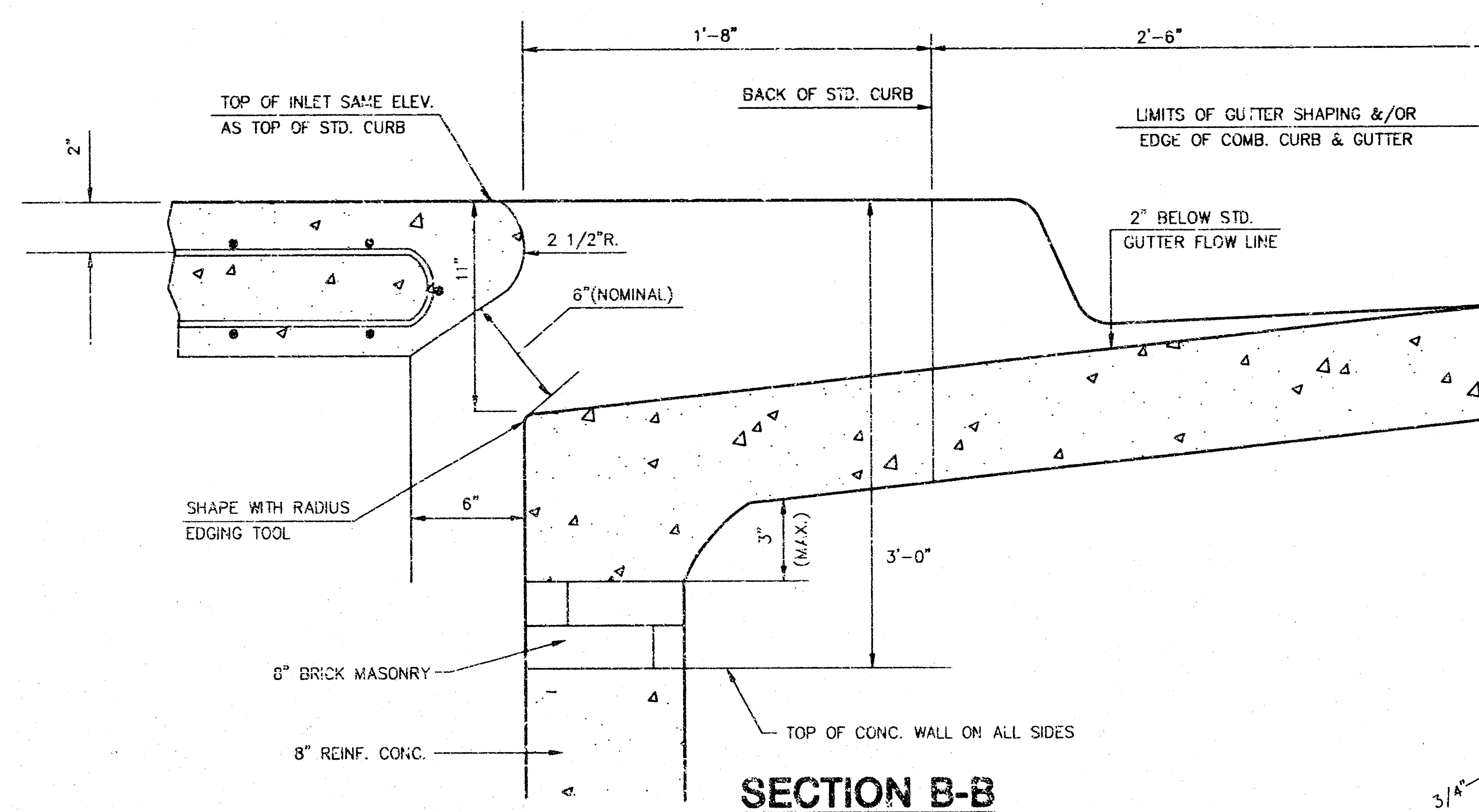
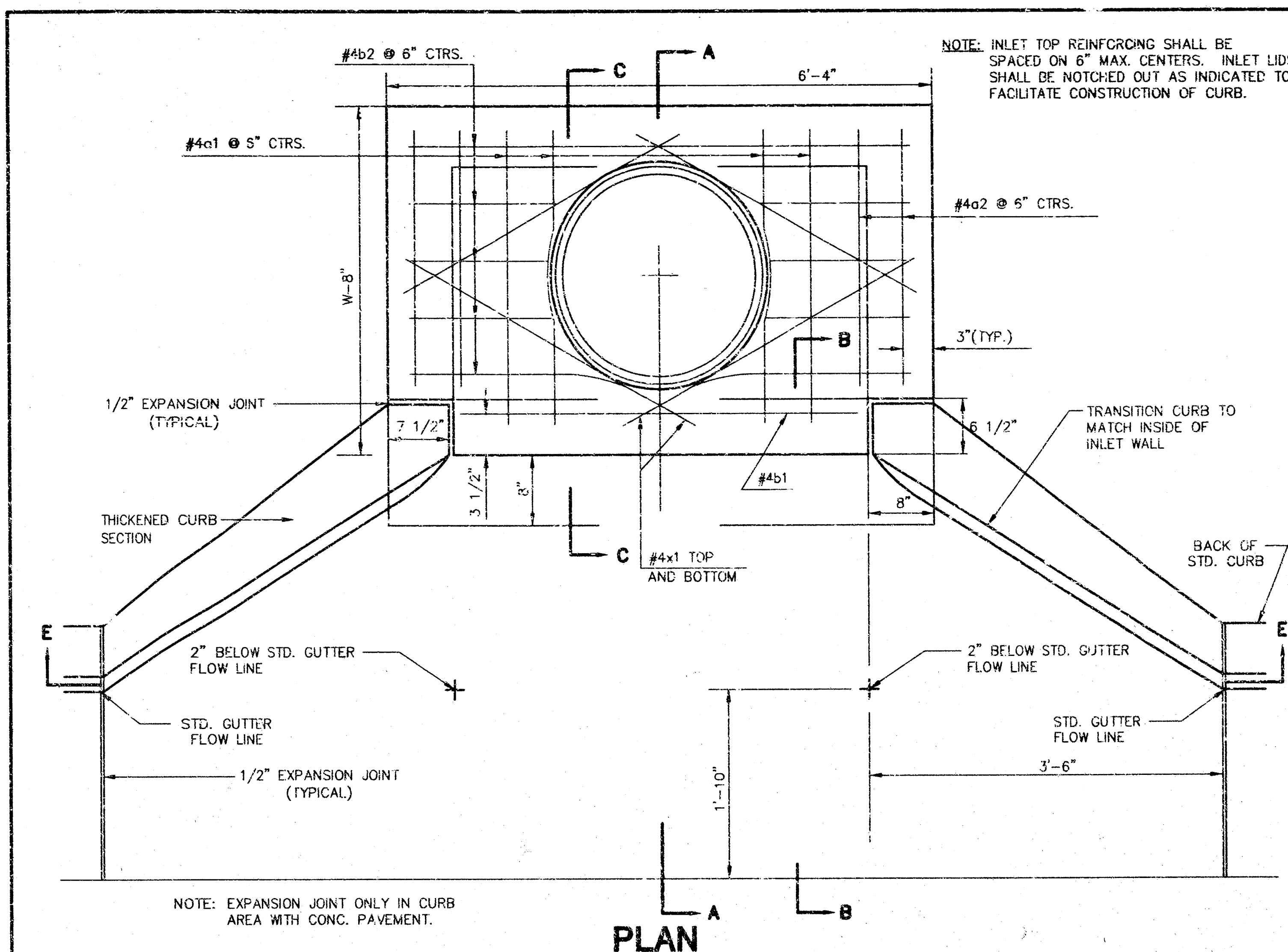
JG/KHB
CHECKED BY:

MID-KANSAS ENGINEERING CONSULTANTS, INC.
411 N. WEBB ROAD
WICHITA, KS. 67206
316-684-9600

JULY 1998
DATE

EROS_DTL.DWG
JOB NO.

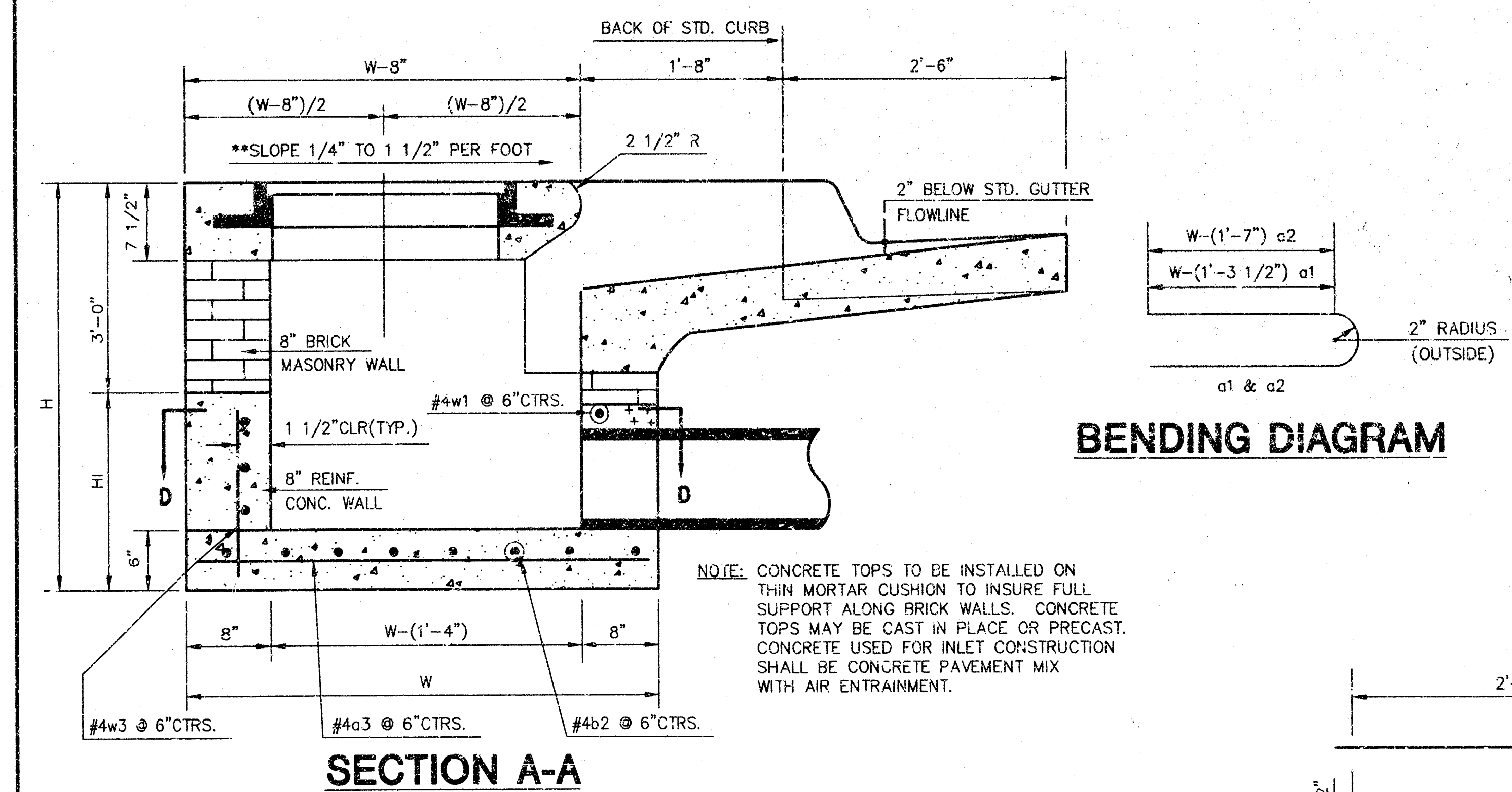
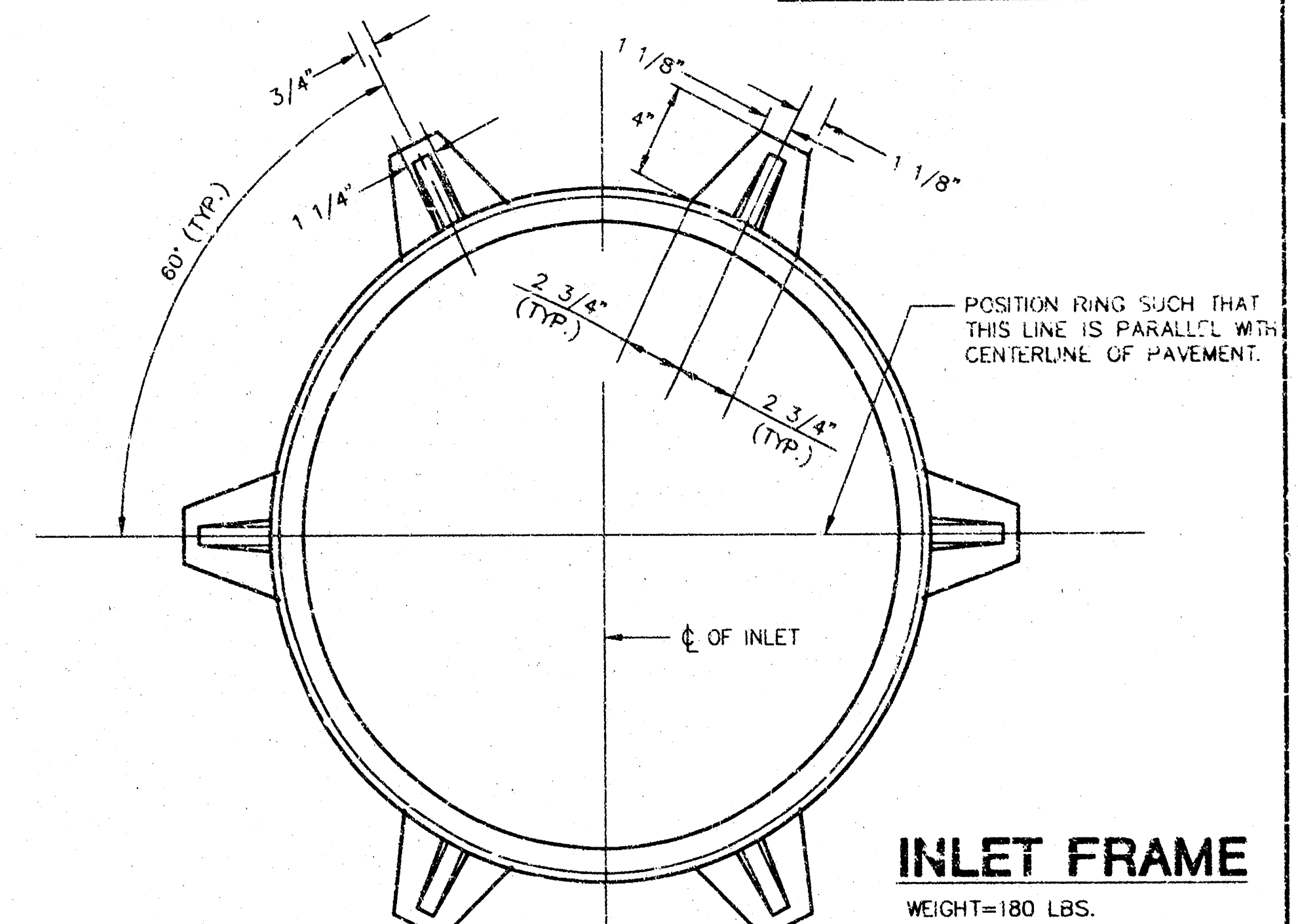
6 / 10
SHEET/OF



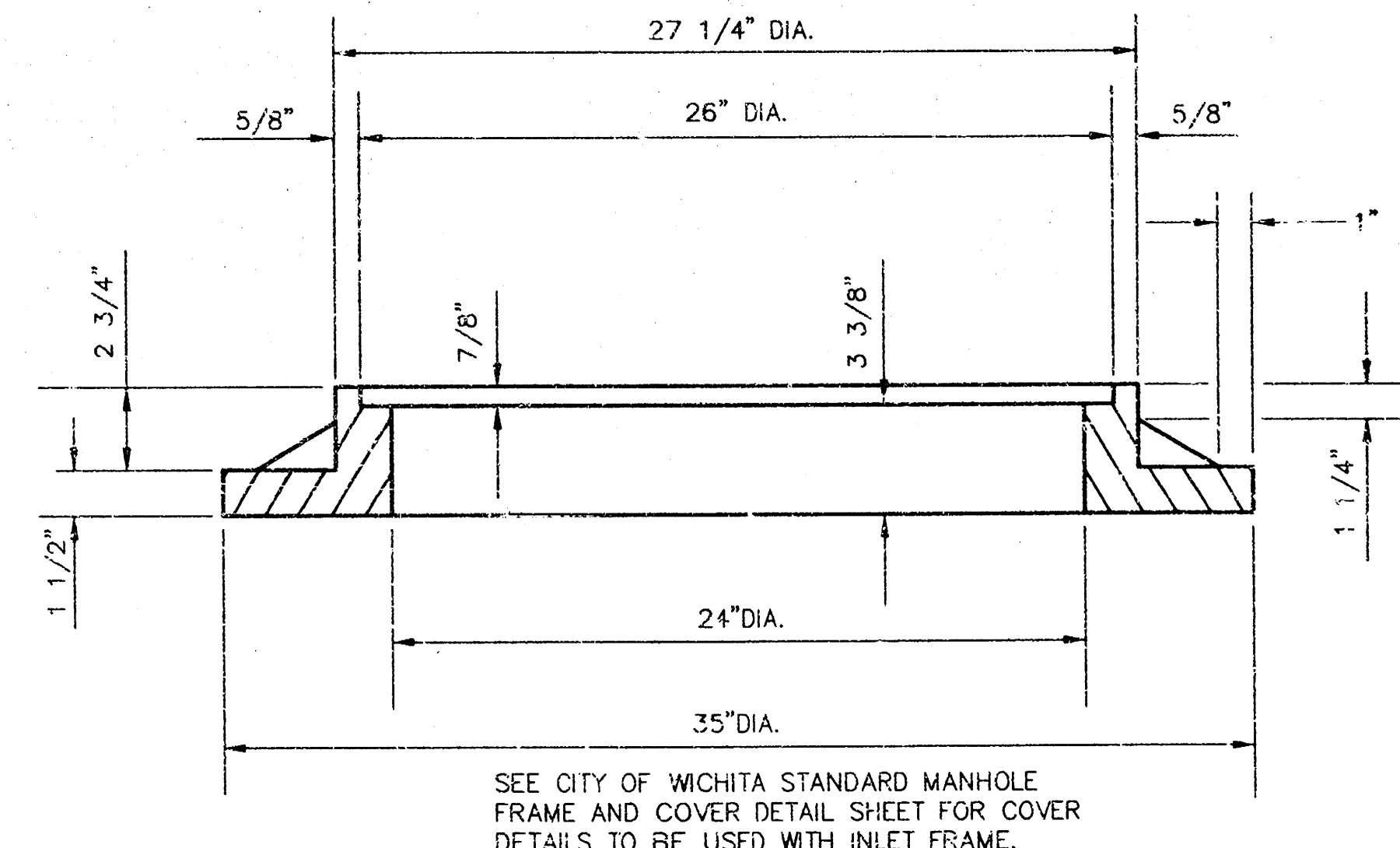
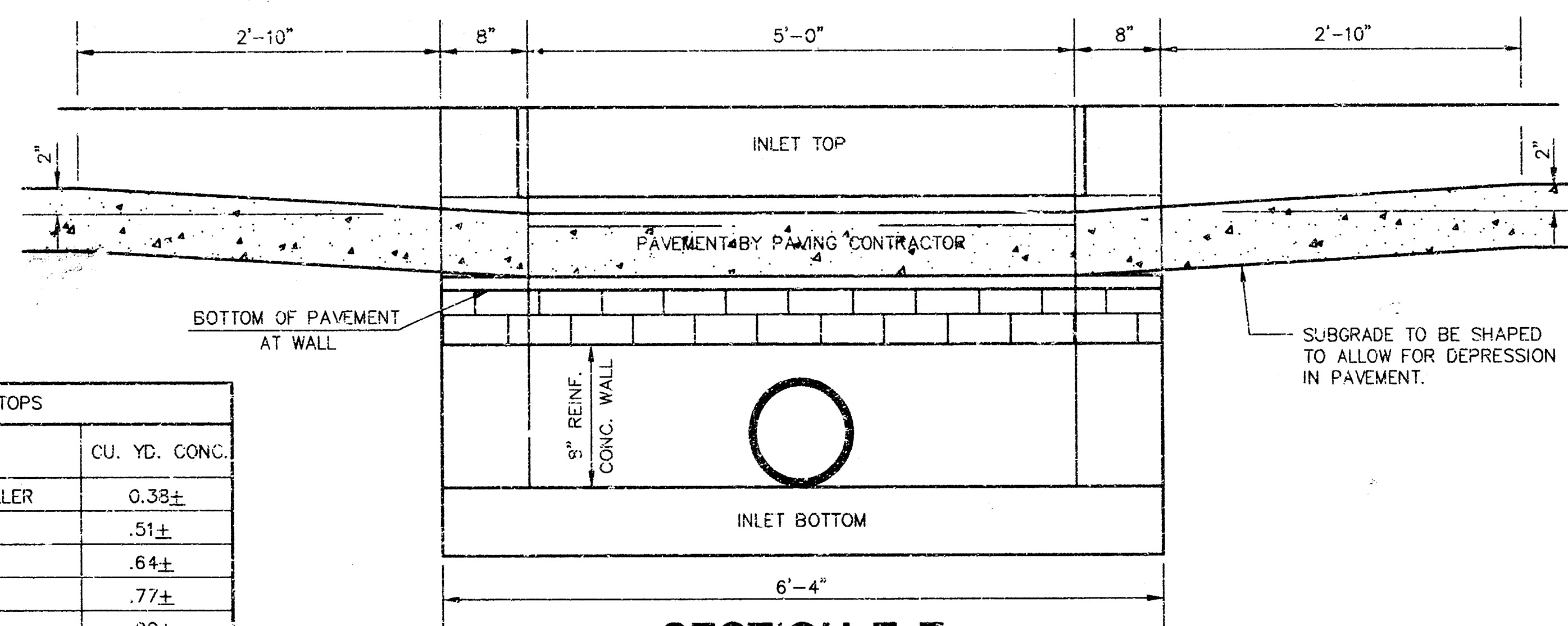
PRECAST SLAB AND FLOOR REINFORCING											
		W=4'-4"		W=5'-4"		W=6'-4"		W=7'-4"		W=8'-4"	
MARK	SIZE	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH
a1	#4	6	6'-7"	6	8'-7"	5	10'-7"	6	12'-7"	6	14'-7"
a2	#4	4	6'-0"	4	8'-0"	4	10'-0"	4	12'-0"	4	14'-0"
a3	#4	13	4'-1"	13	5'-1"	13	6'-1"	13	7'-1"	13	8'-1"
b1	#4	1	4'-9"	1	4'-9"	1	4'-9"	1	4'-9"	1	4'-9"
a2	#4	23	6'-1"	29	6'-1"	35	6'-1"	41	6'-1"	47	6'-1"
x1	#4	8	3'-10"	8	4'-2"	8	4'-6"	8	4'-10"	8	5'-2"

WALL REINFORCING											
		W=4'-4"		W=5'-4"		W=6'-4"		W=7'-4"		W=8'-4"	
MARK	SIZE	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH
w1	#4	①	6'-1"	①	6'-1"	①	6'-1"	①	6'-1"	①	6'-1"
w2	#4	①	4'-1"	①	5'-1"	①	6'-1"	①	7'-1"	①	8'-1"
w3	#4	32	②	36	②	40	②	44	②	48	②

* FIELD BEND OR CUT REINFORCING AS REQUIRED FOR CLEARANCE
① 4(HI-12"); (HI-12") ROUND DOWN TO NEAREST 0.5"
② HI-3"



BENDING DIAGRAM



NOTE: CONTRACTOR SHALL HAVE THE OPTION OF CONSTRUCTING 8" BRICK MASONRY WALLS BETWEEN THE CONCRETE INLET BASE AND TOP ON THIS INLET WHEN W=6'-4" AND H=7'-0" OR LESS.

ADDITIONAL CURB AND GUTTER CONSTRUCTION NECESSARY TO CONNECT SET-BACK INLET TO PAVEMENT WILL BE PAID FOR AT THE UNIT PRICE BID FOR EACH INLET HOOKUP.

INLET INVERT SHALL BE SHAPED WITH 8 SACK SAND MIX CONCRETE TO CREATE FLOW CHANNELS AND TO INCREASE HYDRAULIC EFFICIENCY SUCH THAT THE INLET WILL BE SELF CLEANING BETWEEN ALL INLET AND/OR OUTLET PIPES.

THE ENDS OF ALL PIPES INSTALLED IN INLETS SHALL BE CUT OFF FLUSH WITH THE INSIDE FACE OF THE INLET WALL.

*NOTE: SLOPE OF INLET TOPS TO MATCH SIDEWALK OR PARKING SLOPES WITHIN LIMITS INDICATED.

W	PRE-CAST TOP SIZE	PIPE SIZE	CU. YD. CONC.
4'-4"	3'-8"x6'-4"x7 1/2"	21" & SMALLER	0.38±
5'-4"	4'-8"x6'-4"x7 1/2"	24" & 30"	.51±
6'-4"	5'-8"x6'-4"x7 1/2"	36" & 42"	.64±
7'-4"	6'-8"x6'-4"x7 1/2"	48" & 54"	.77±
8'-4"	7'-8"x6'-4"x7 1/2"	60" & 66"	.90±

MID-KANSAS ENGINEERING CONSULTANTS, INC.
 411 N. WEBB ROAD
 WICHITA, KS. 67206
 316-684-9600

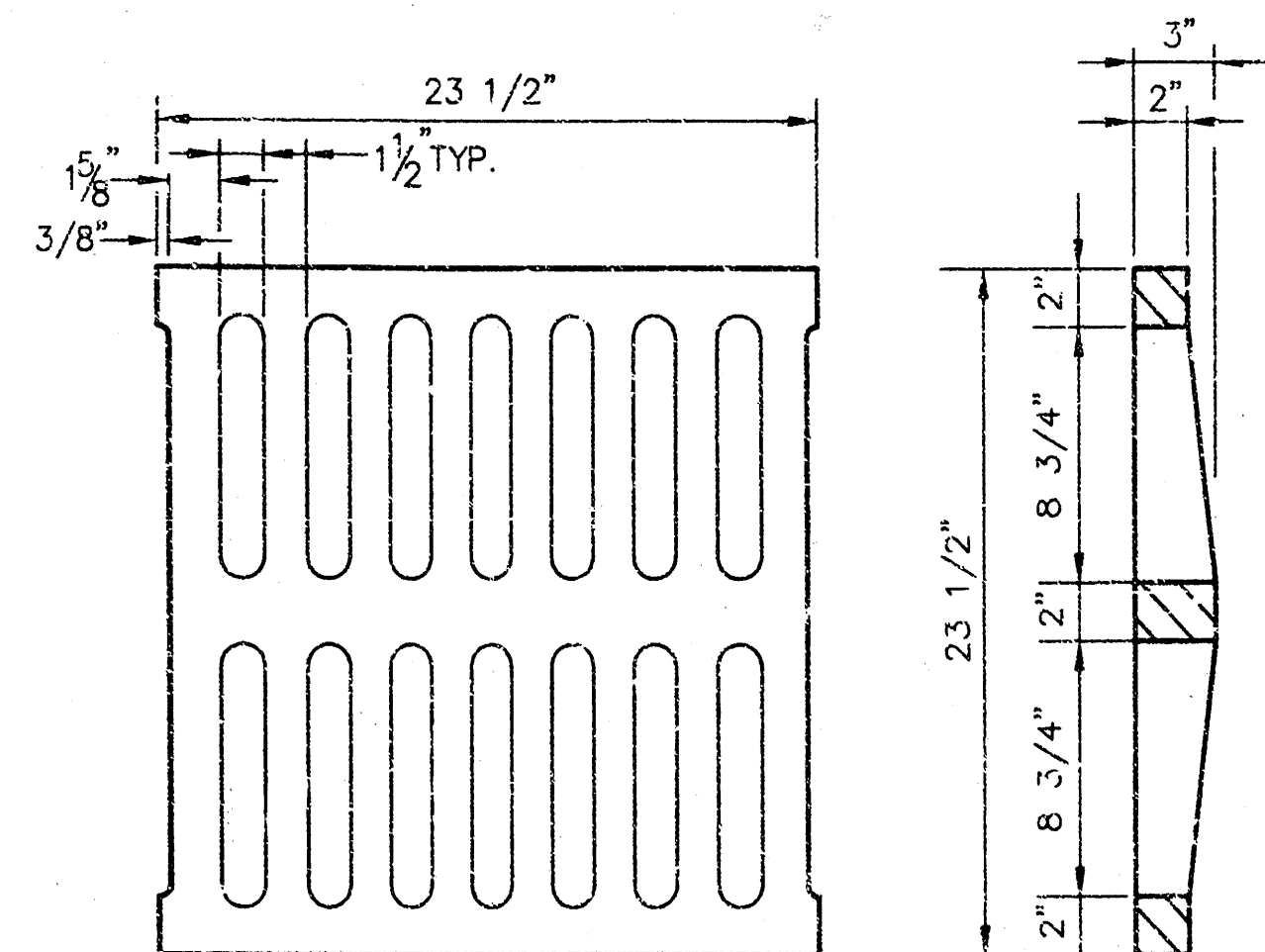
LOT 1, BLK 3, MEDITERRANEAN PLAZA
 PROJECT NAME

STORM WATER SEWER DETAILS
 SHEET TITLE

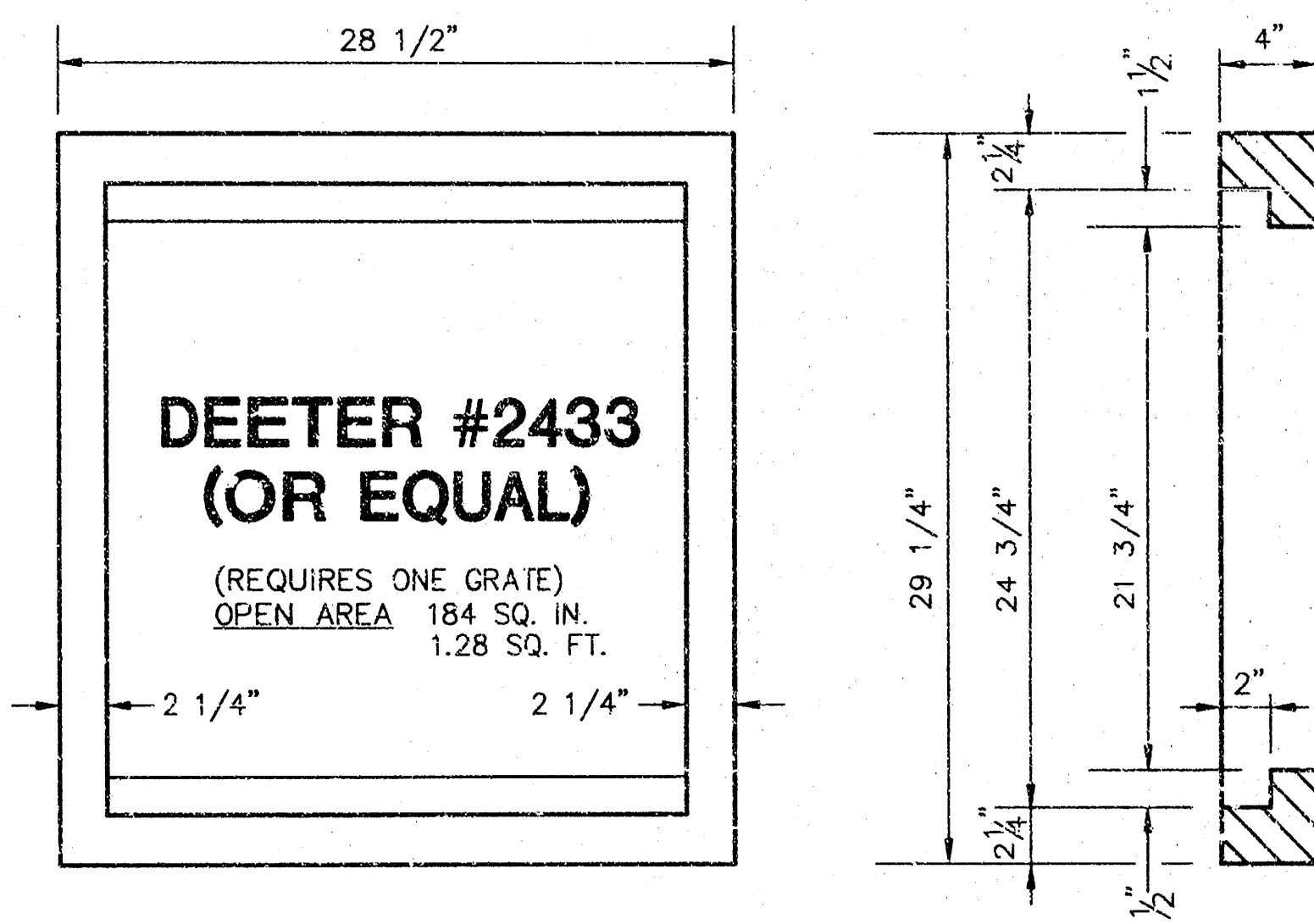
DESIGN BY: JG
 DRAWN BY: GJR
 DATE: JUNE 1998

CHECKED BY: JG/KHB
 JOB NO.: 98065
 SHEET/OF: 7 / 10

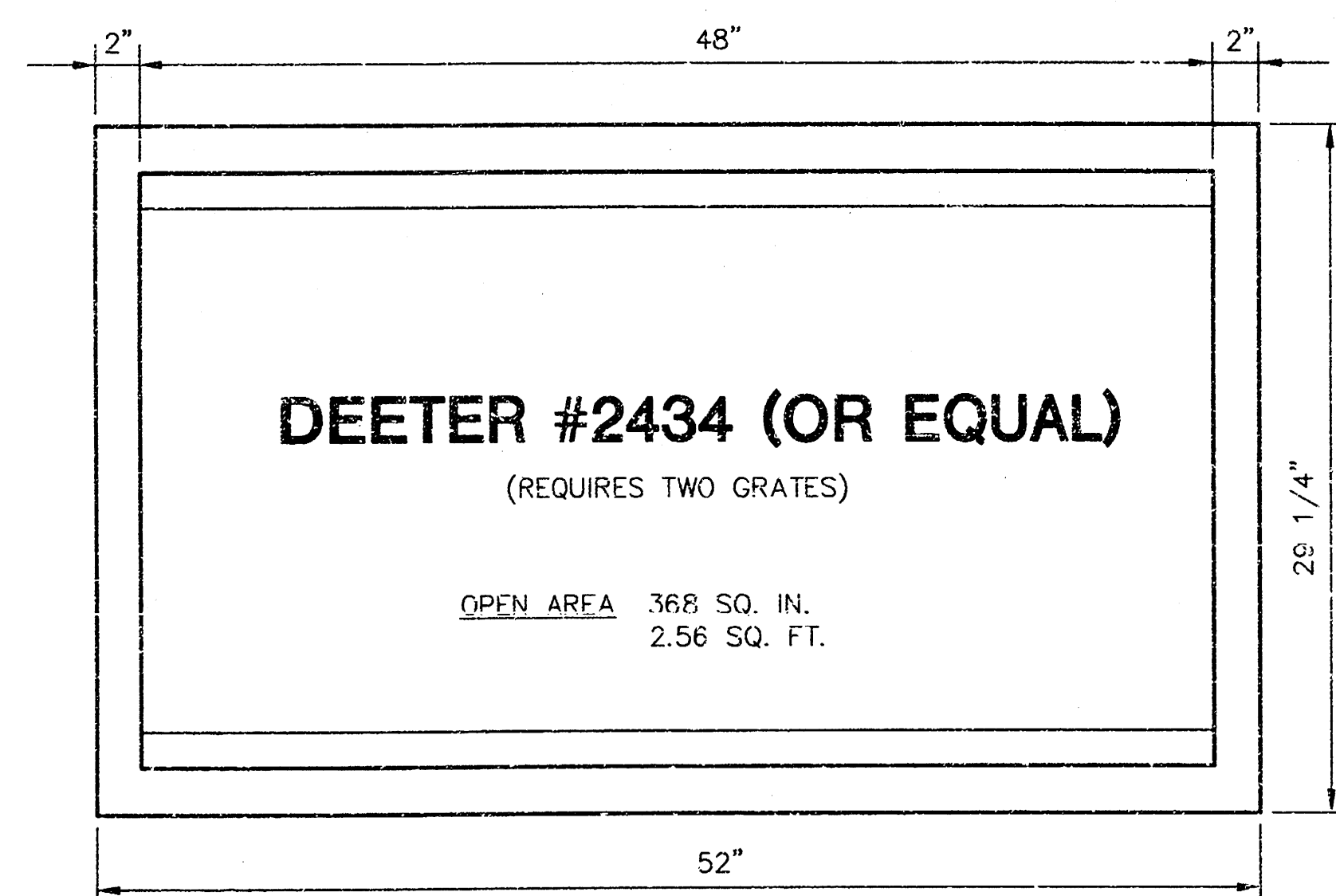
NOTE: GRATES SHALL BE IMPRINTED ON THE TOP SURFACE WITH "CITY OF WICHITA" USING LETTERS AT LEAST 1" IN HEIGHT. OTHER MARKING METHODS MAY BE USED ONLY IF APPROVED BY THE ENGINEER.



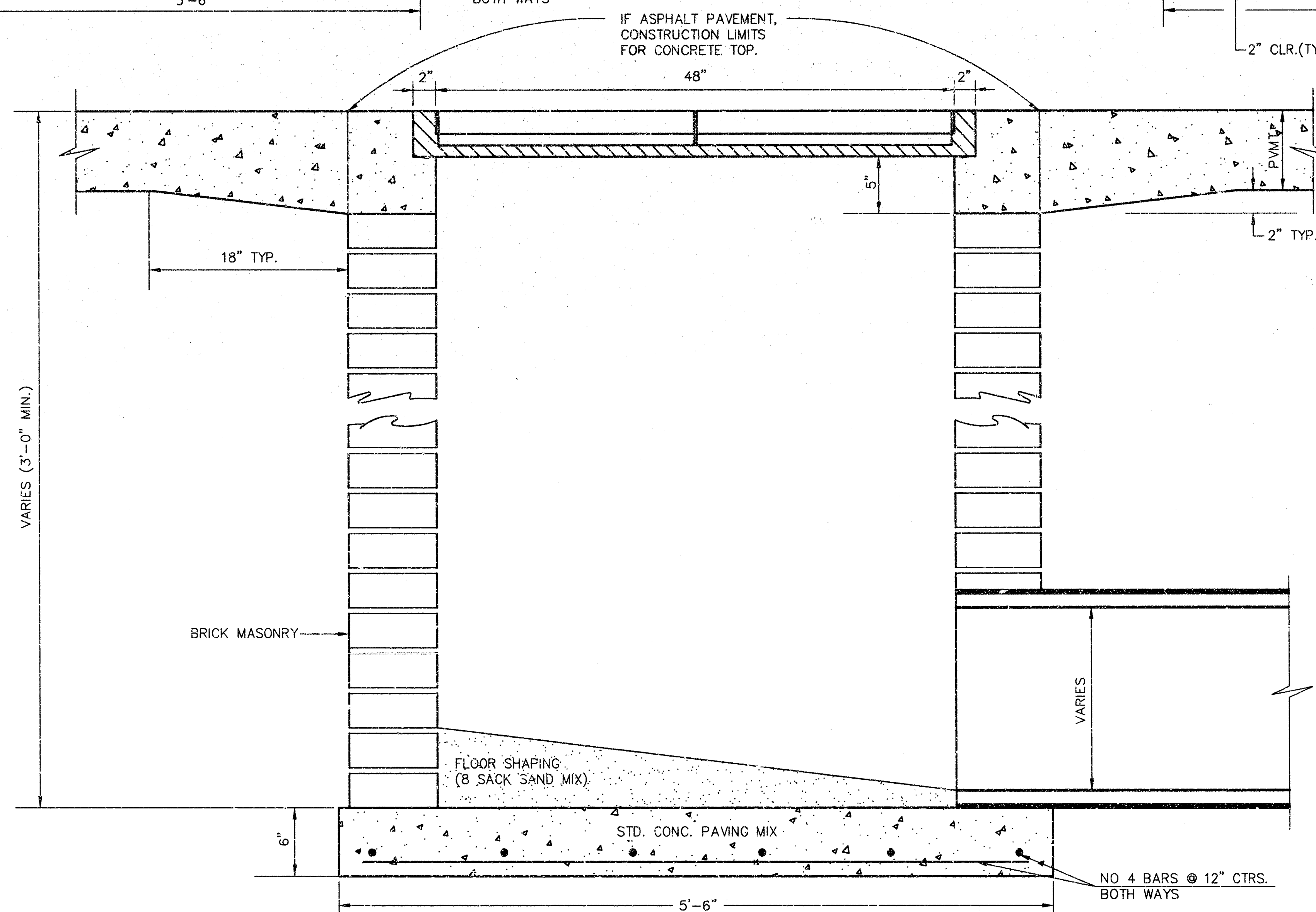
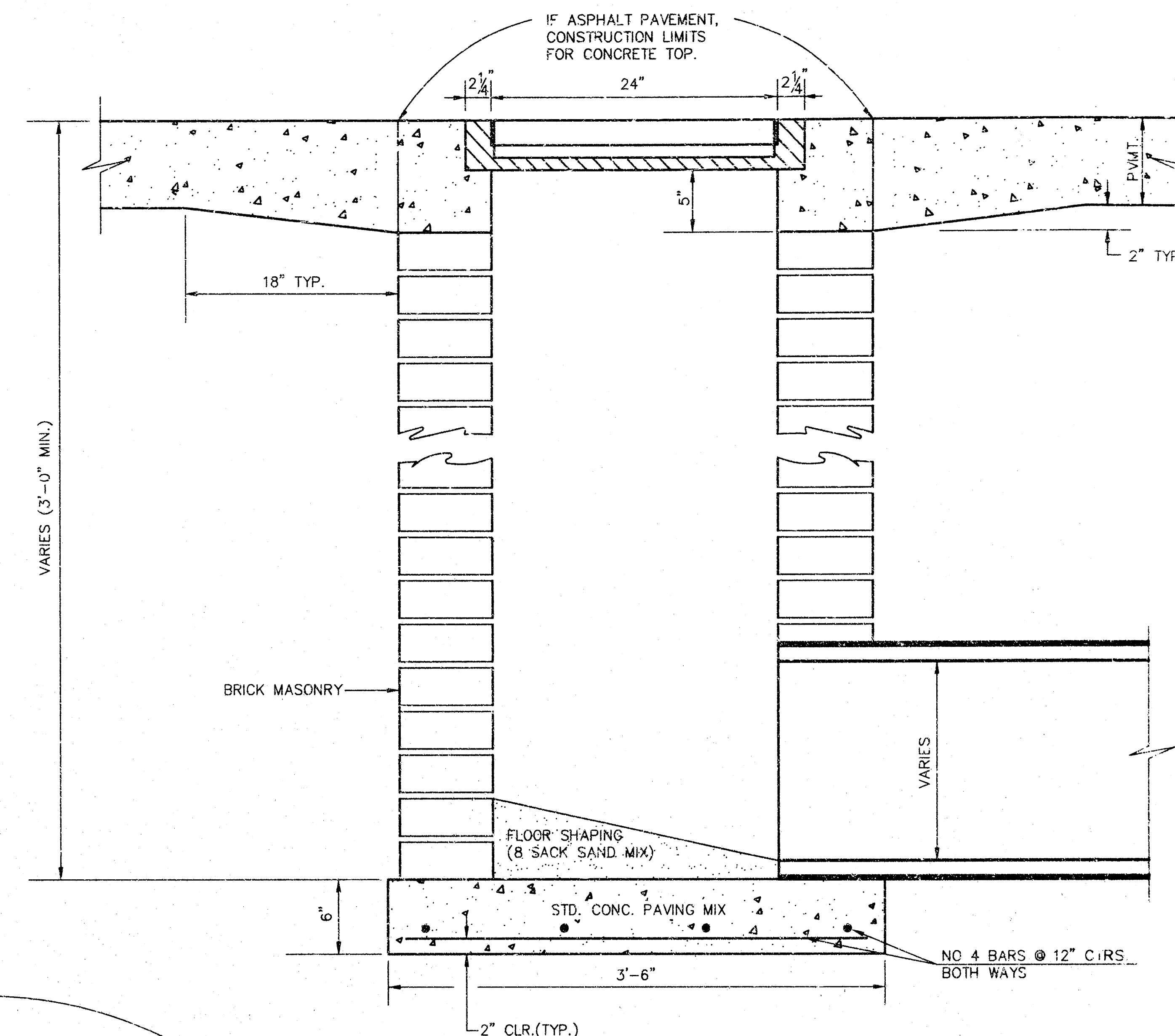
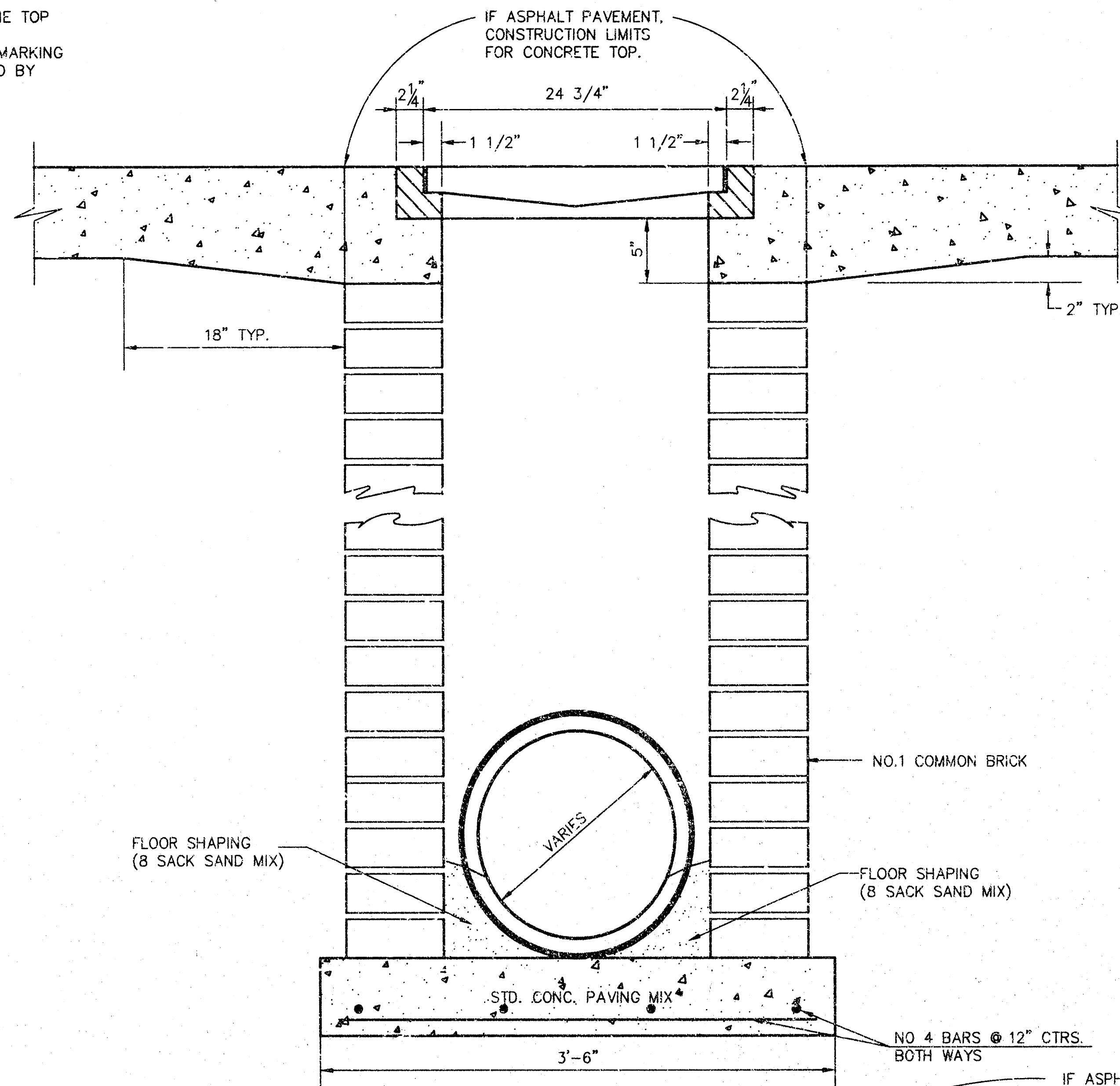
24'x24' GRATE DETAIL



SINGLE 24'x24' FRAME DETAIL



DOUBLE 24'x24' FRAME DETAIL



ORIFICE EQUATION		
$Q = C \cdot A \cdot \sqrt{2gh}$ $C = 0.60$		
h (DEPTH)	#2433 (SINGLE)	#2434 (DOUBLE)
0.1	1.95 cfs	3.89 cfs
0.2	2.75 cfs	5.50 cfs
0.3	3.37 cfs	6.74 cfs
0.4	3.89 cfs	7.78 cfs
0.5	4.35 cfs	8.70 cfs
0.6	4.77 cfs	9.53 cfs
0.7	5.15 cfs	10.30 cfs
0.8	5.50 cfs	11.01 cfs
0.9	5.84 cfs	11.67 cfs
1.0	6.15 cfs	12.30 cfs

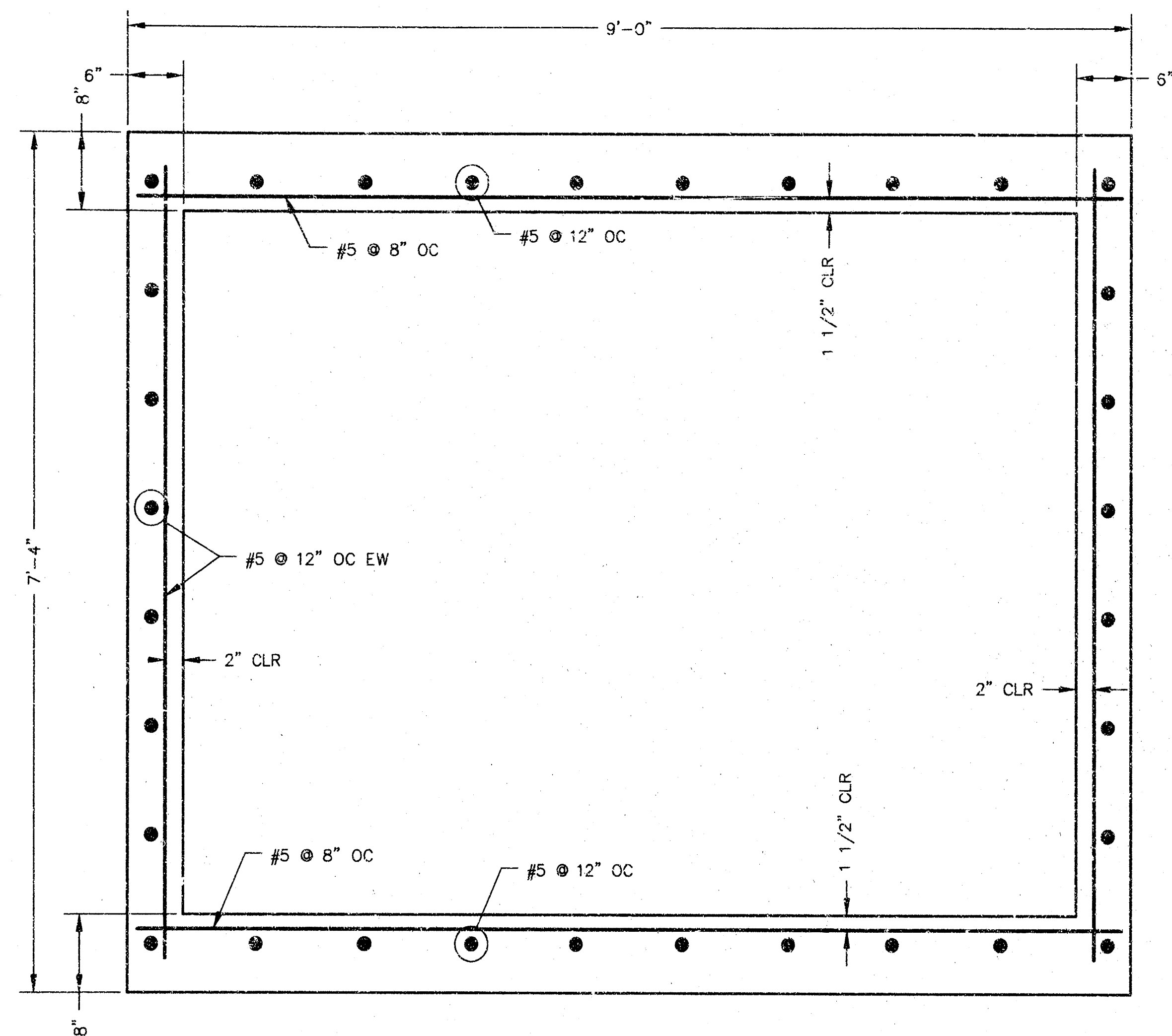
REVISED: 5-8-90 JNJ

DROP INLET DETAILS

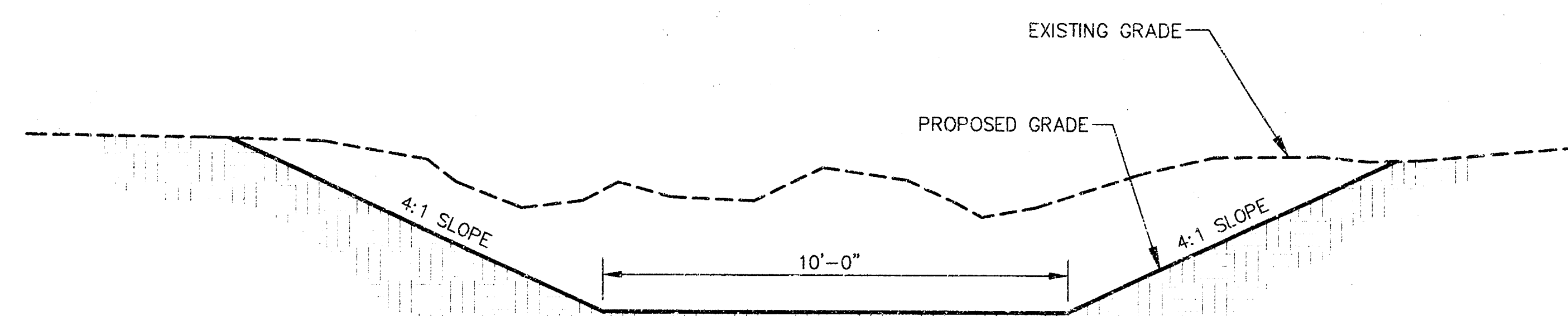
CITY OF WICHITA, KANSAS

Design	C.O.W.	Checked by	Checked by	8/10
Drawn by	Date JULY 1998	Date	Job No.	98065

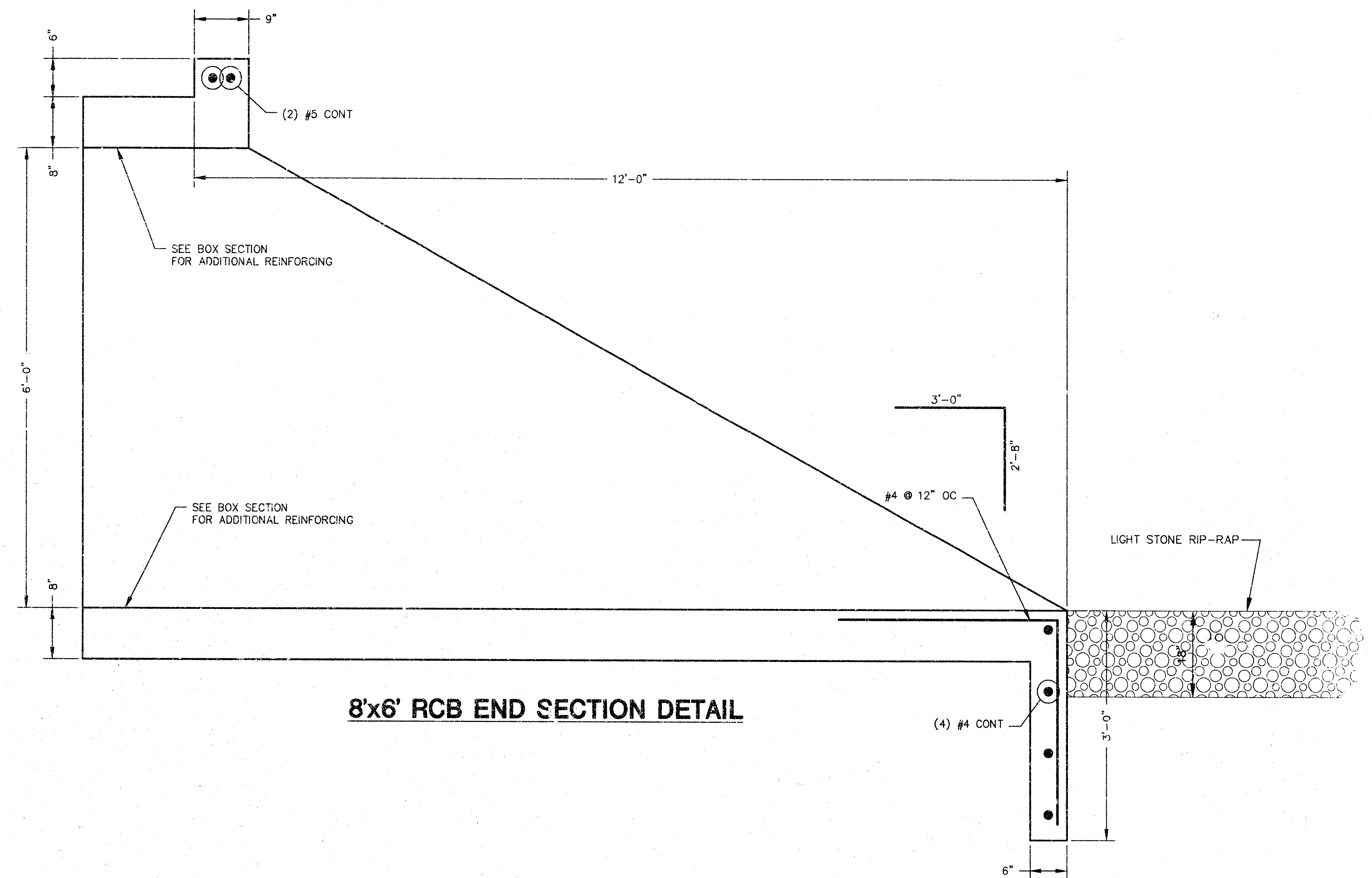
SWS_DTL2.DWG



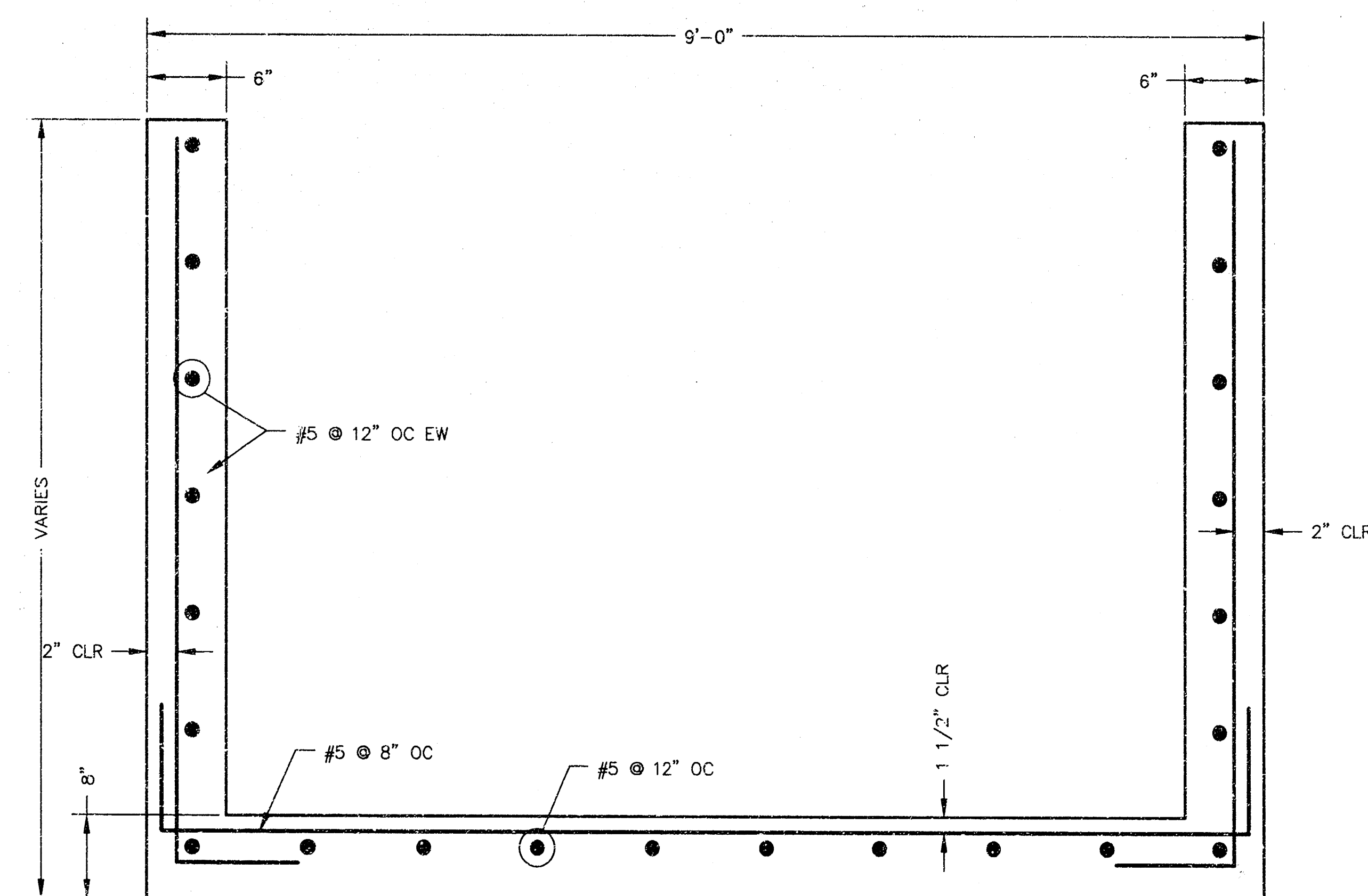
8'x6' RCB CROSS SECTION DETAIL



CHANNEL CROSS SECTION



8'x6' RCB END SECTION DETAIL



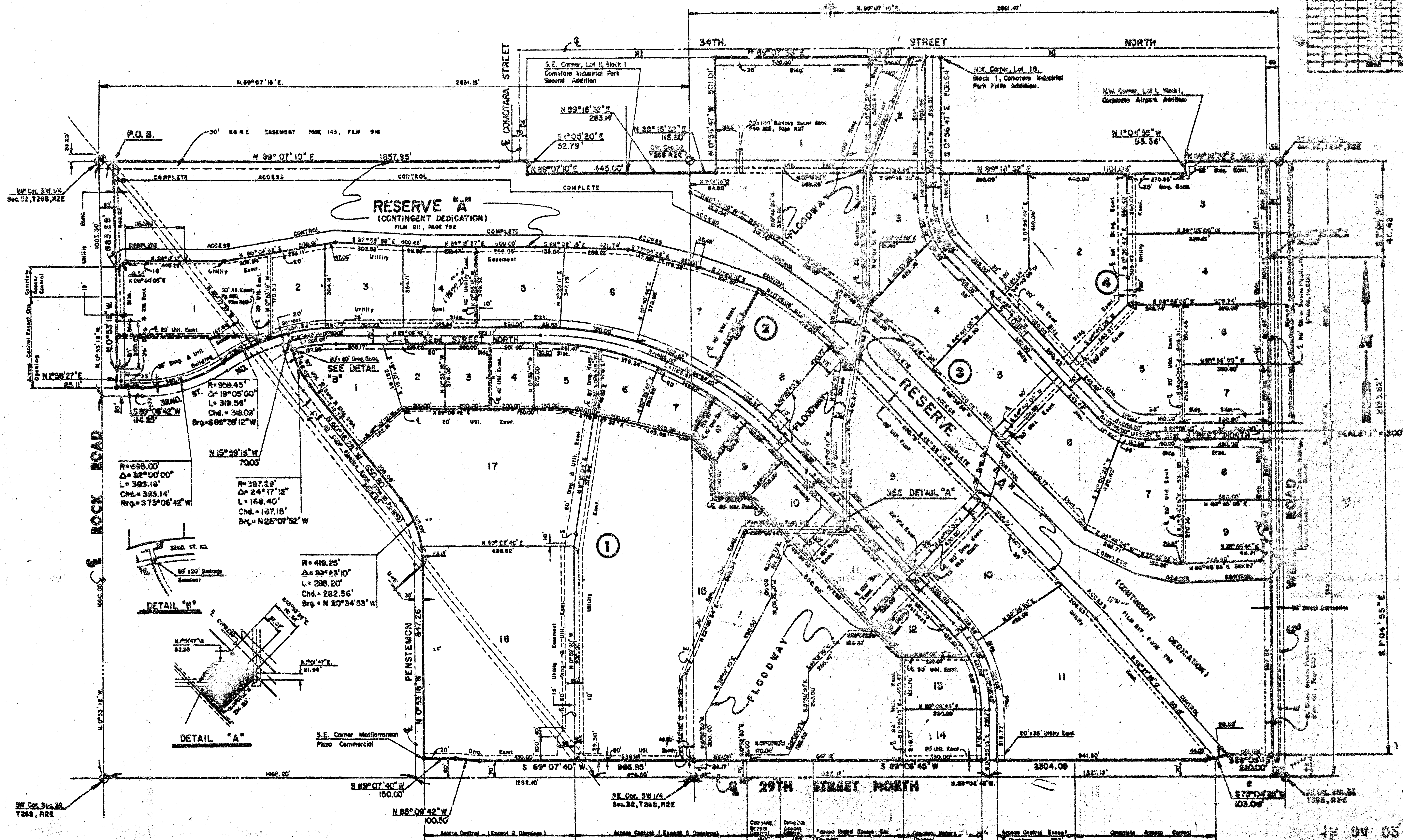
3'x6' RCB END SECTION CROSS SECTION DETAIL

			LOT 1, BLK 3, MEDITERRANEAN PLAZA PROJECT NAME		
			STORM WATER SEWER DETAILS SHEET TITLE		
MID-KANSAS ENGINEERING CONSULTANTS, INC. 411 N. WEBB ROAD WICHITA, KS. 67206 316-684-9600	JG DESIGN BY:	GJR DRAWN BY:	JG/KHB CHECKED BY:	JULY 1998 DATE	98065 JOB NO.
SWS_DTL3.DWG			9 / 10 SHEET / OF		

FINAL PLAT OF MEDITERRANEAN PLAZA

AN ADDITION TO WICHITA, SEDGWICK COUNTY, KANSAS

Lot	Area	Acres	Owner
1	1.00	1.00	1.00
2	1.00	1.00	1.00
3	1.00	1.00	1.00
4	1.00	1.00	1.00
5	1.00	1.00	1.00
6	1.00	1.00	1.00
7	1.00	1.00	1.00
8	1.00	1.00	1.00
9	1.00	1.00	1.00
10	1.00	1.00	1.00
11	1.00	1.00	1.00
12	1.00	1.00	1.00
13	1.00	1.00	1.00
14	1.00	1.00	1.00
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18	1.00	1.00	1.00
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29	1.00	1.00	1.00
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70	1.00	1.00	1.00
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97	1.00	1.00	1.00
98	1.00	1.00	1.00
99	1.00	1.00	1.00
100	1.00	1.00	1.00



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