

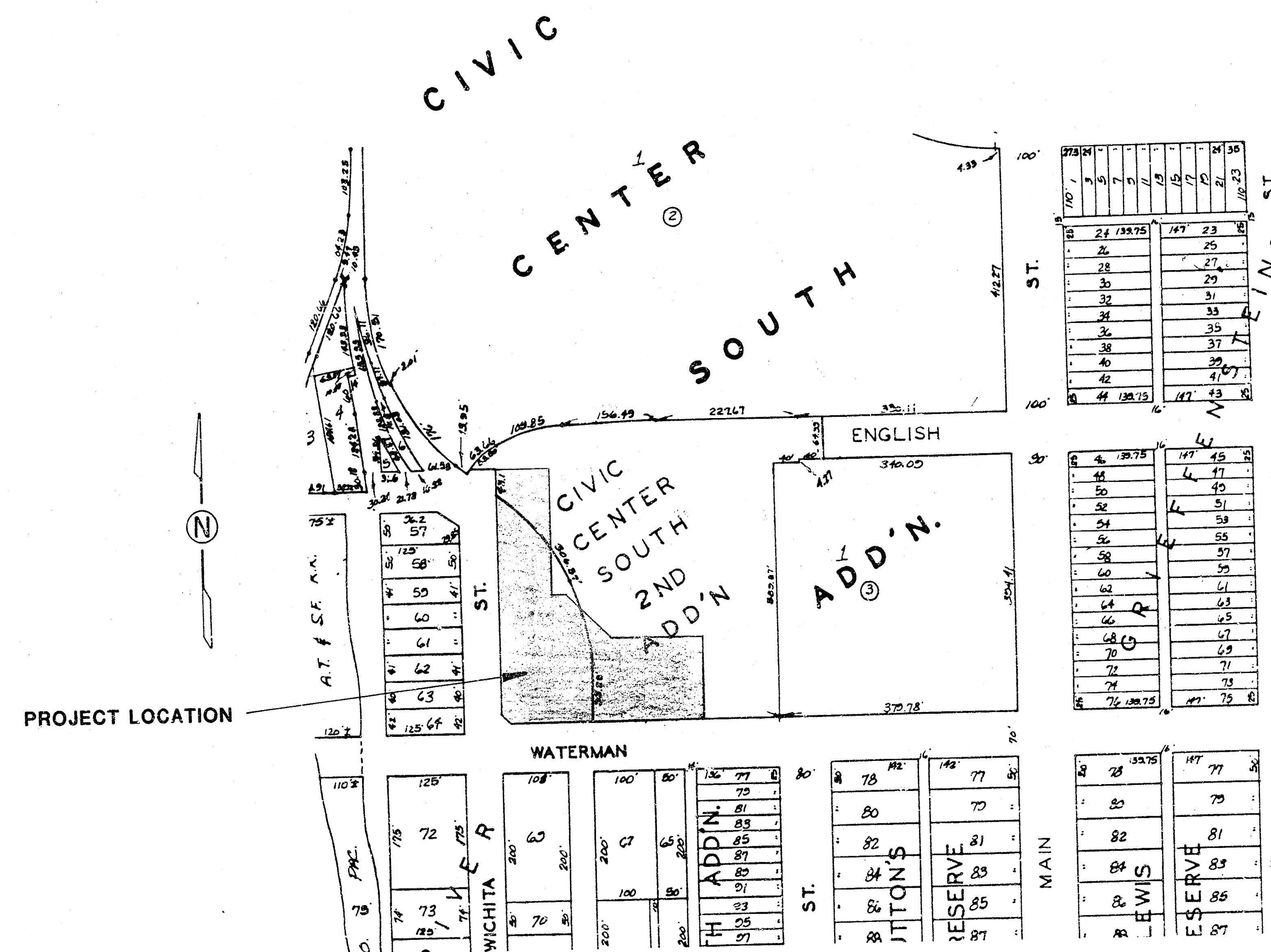
PARKING LOT IMPROVEMENTS FOR

CENTURY II

EXHIBITION CENTER

PROJECT NUMBER
472-76-245-81501-000-000-001

- INDEX
1. Title and Location Map
 2. Parking Lot Details
 3. Parking Lot Plan
 4. Incidental Drainage
 5. Type 1A Inlet Details
 6. Drop Inlet Details
 7. Parking Lot Lighting
 - 8-9. Earthwork Cross Sections



NOTE: CONTRACTOR WILL BE REQUIRED TO OBTAIN A PERMIT FROM CENTRAL INSPECTION DIVISION, DEPARTMENT OF HOUSING AND ECONOMIC DEVELOPMENT, PRIOR TO STARTING WORK ON PARKING LOT. CONTRACTOR WILL BE REQUIRED TO PAY THE NORMAL FEE CHARGED FOR SUCH PERMITS.

NOTE:
site to be cleared of trailers, construction equipment, and materials by "others" prior to issuance of notice to proceed.

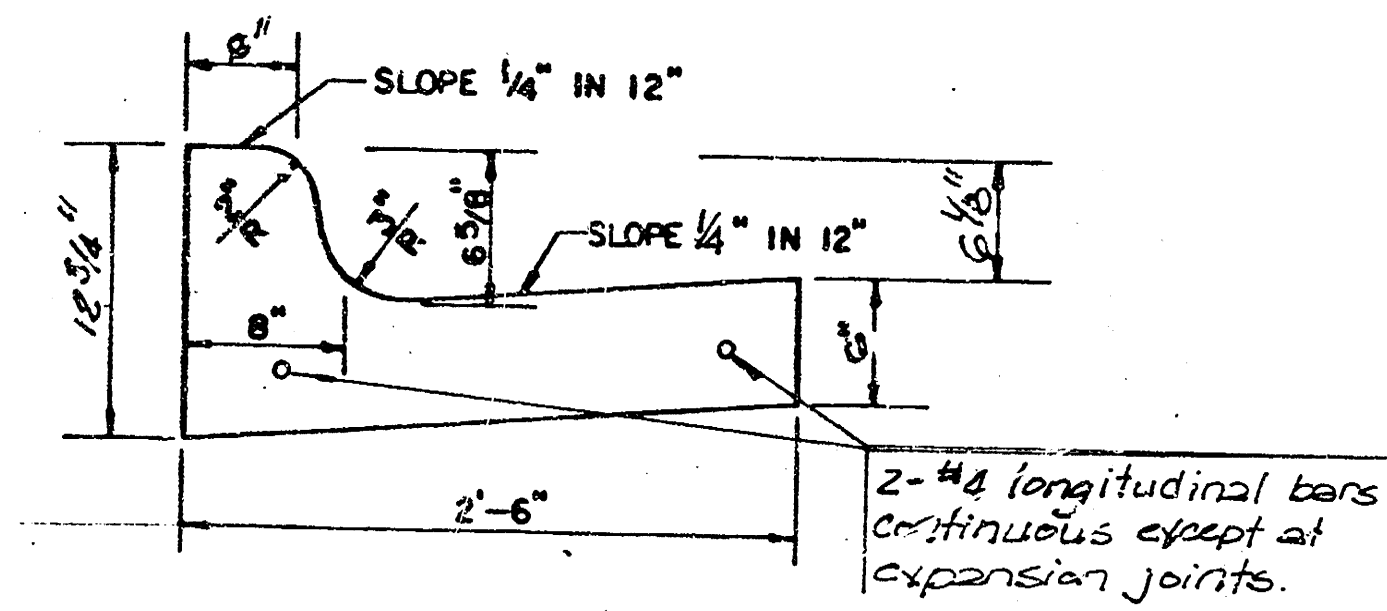
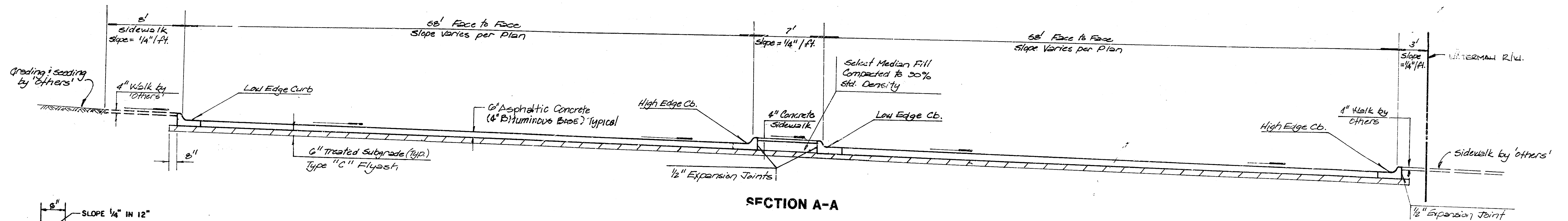
CITY OF WICHITA, KANSAS
MIKE E. LINDEBAK — CITY ENGINEER

BENCH MARKS

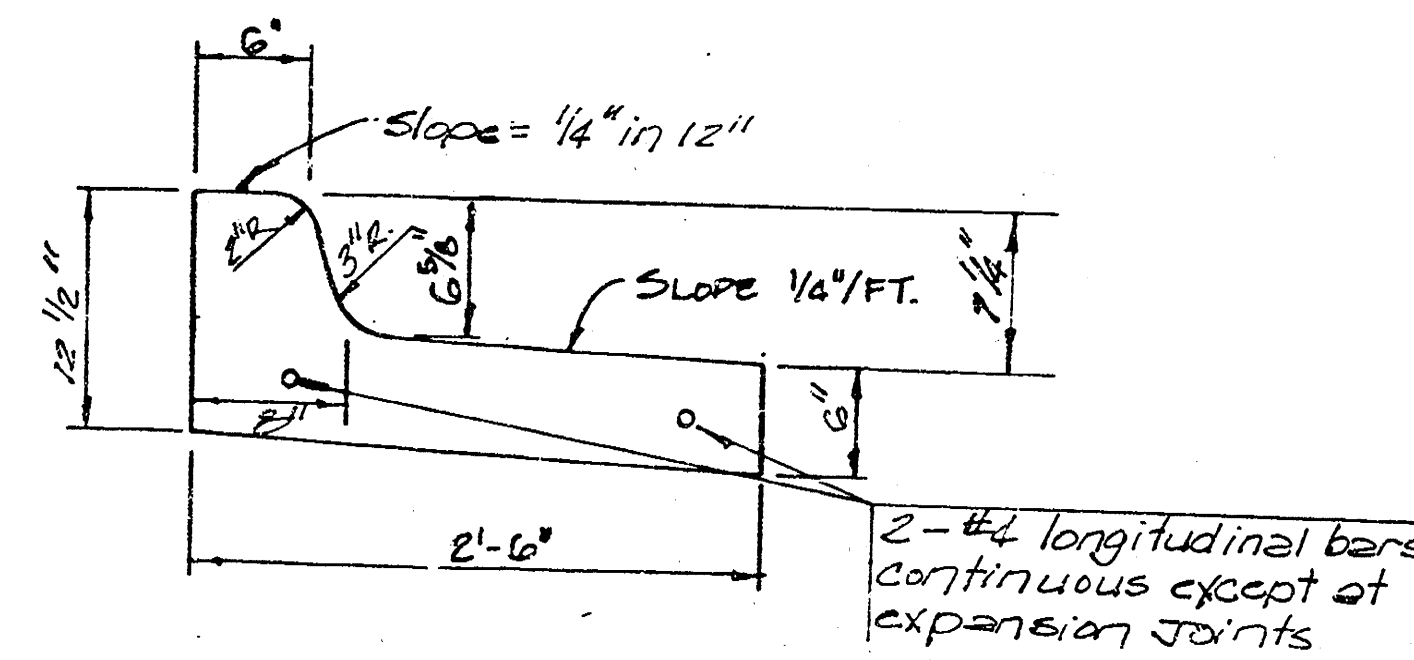
- B.M. 3/4" Iron pipe in thimble at West Side Water Street on Center-line Waterman. Elev. = 110.34
- B.M. Headbolt between "Mueller" and "Chattanooga" on fire hydrant at Northwest Corner Wichita and Waterman. Elev. = 111.56

SEPTEMBER 1985

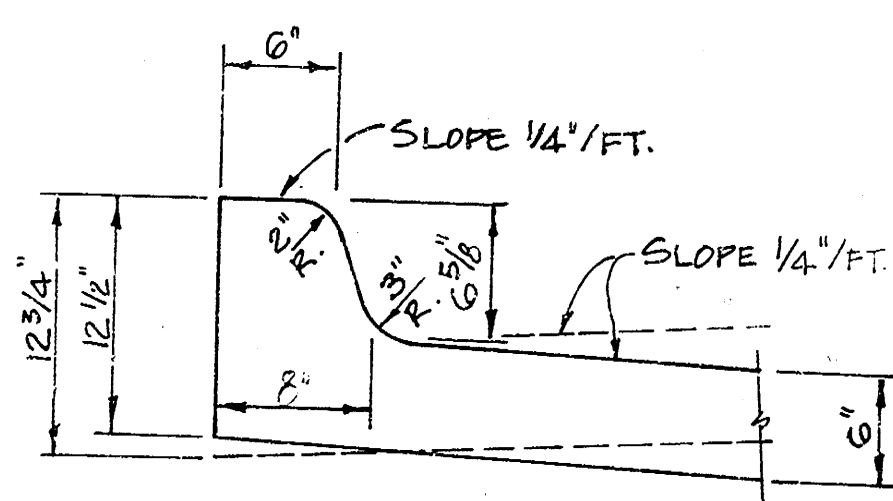
BAUGHMAN COMPANY, P.A.
SURVEYING & ENGINEERING
316/282-7271 • 330 LAURA • WICHITA, KANSAS 67211



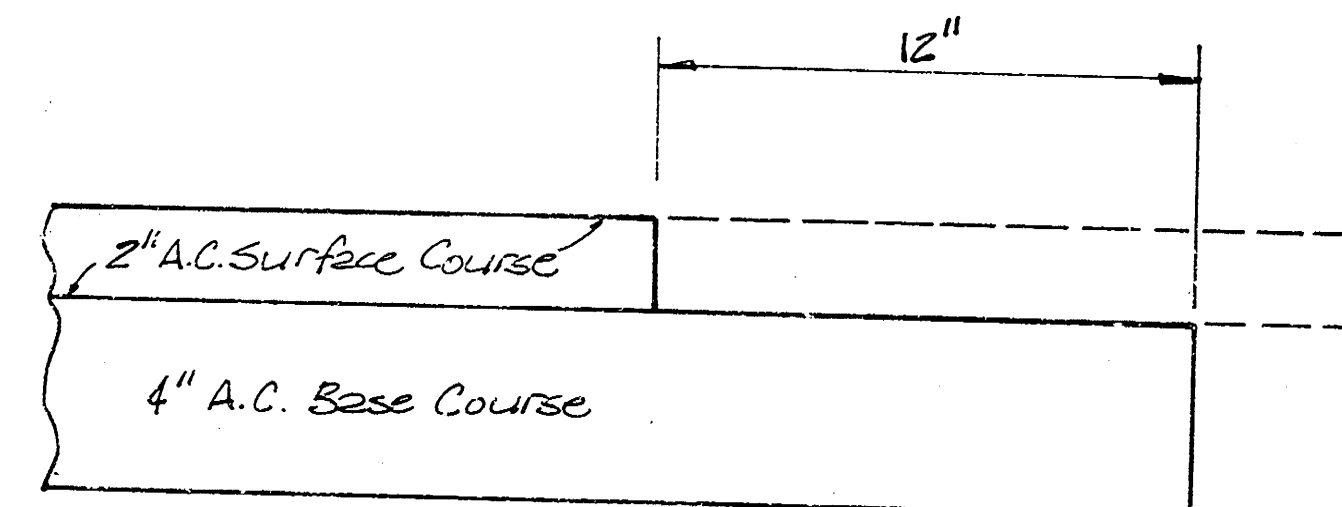
HIGH-EDGE CURB DETAIL



LOW-EDGE CURB DETAIL

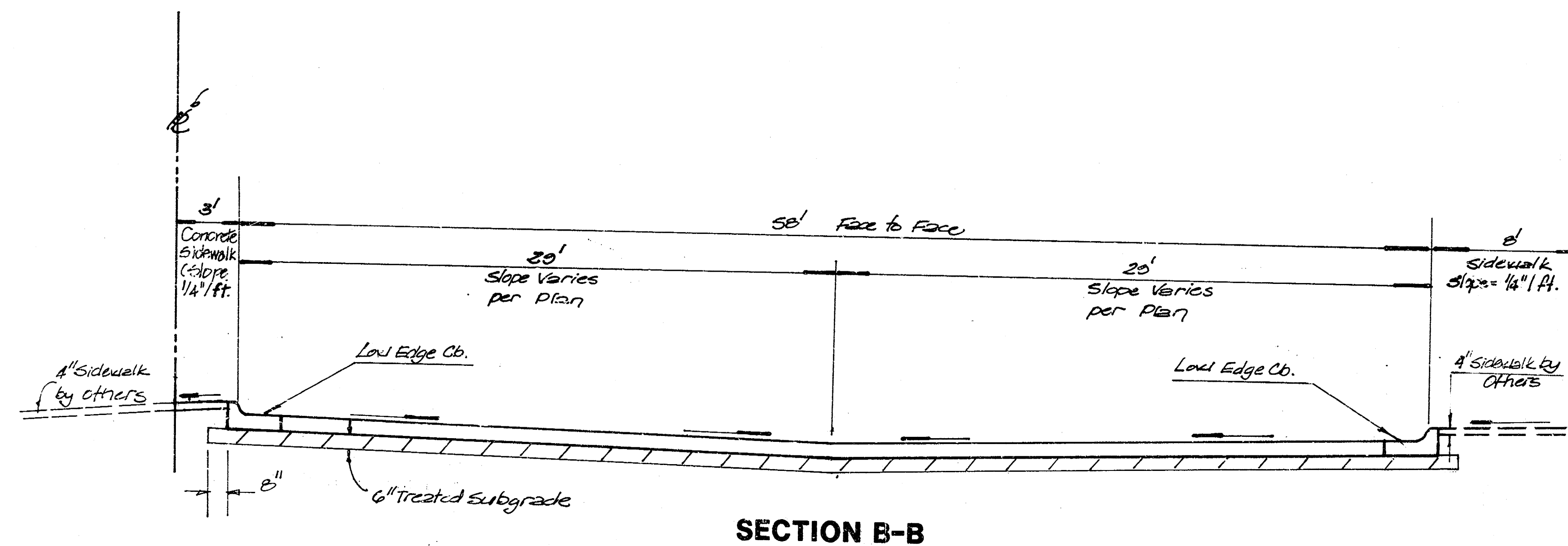


MONOLITHIC CURB DETAIL

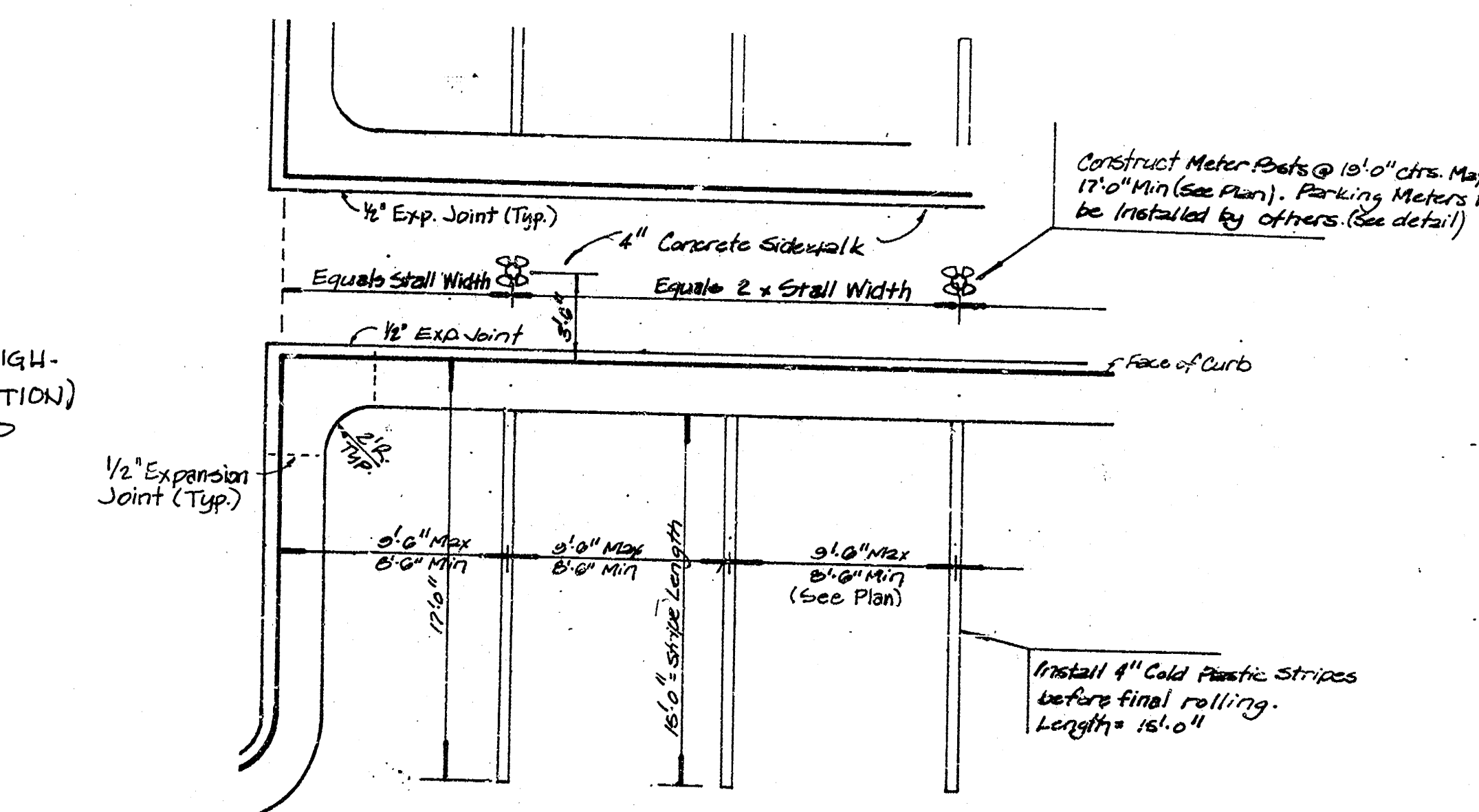


TRANSVERSE CONSTRUCTION JOINTS

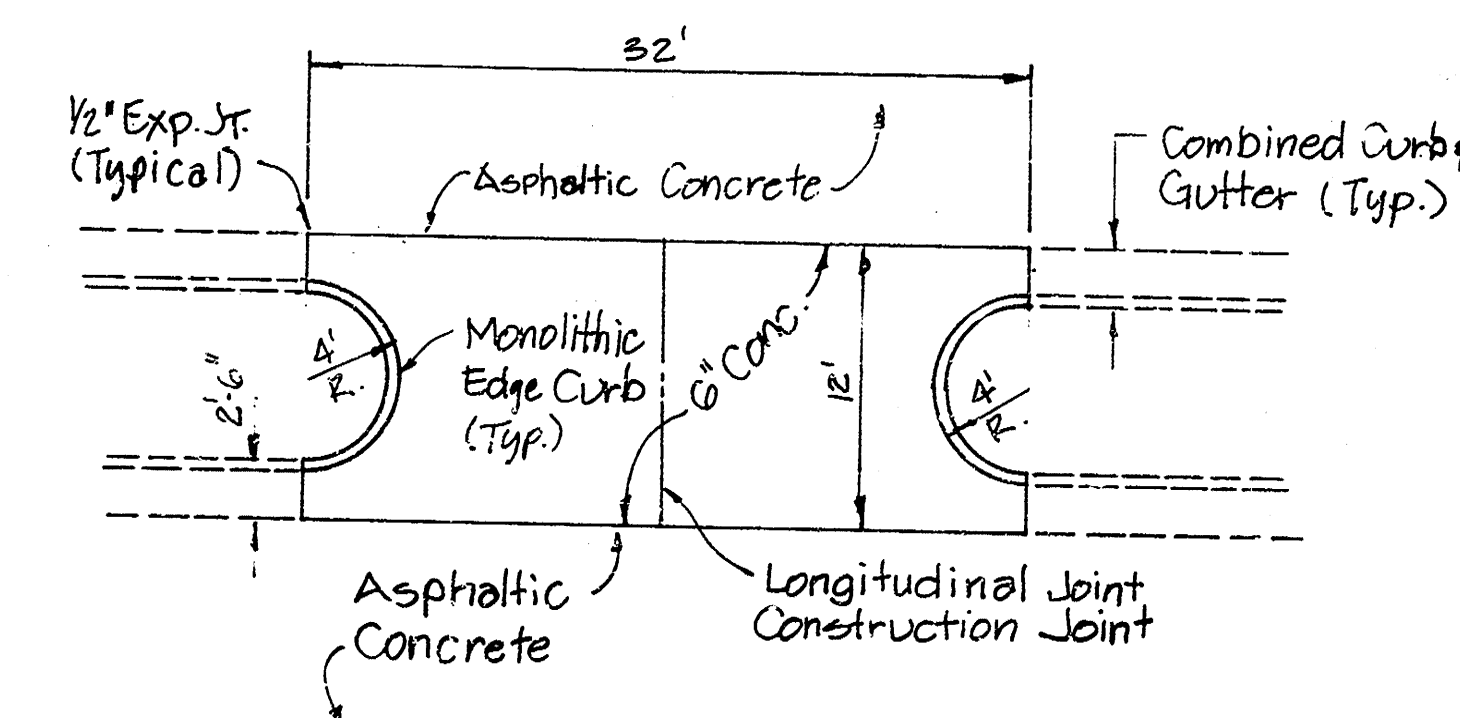
Note: A tack coat of emulsified asphalt (EC-1H or CSB-1H) shall be applied at an approximate rate of 0.05 gallons per square yard between each lift of asphaltic material. Joints in asphaltic lifts shall be staggered a distance of 1'-0" from joints in preceding lifts.



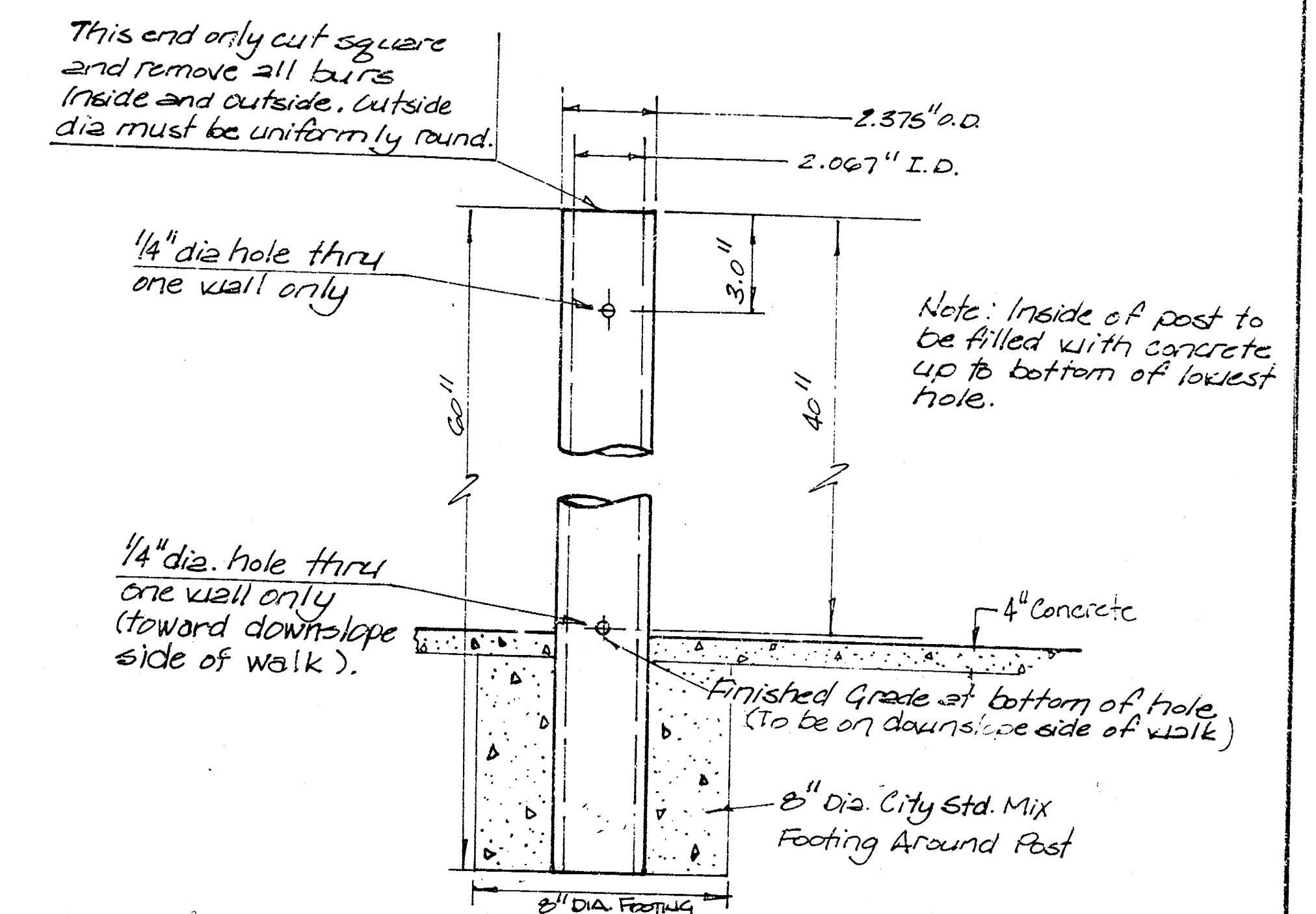
SECTION B-B



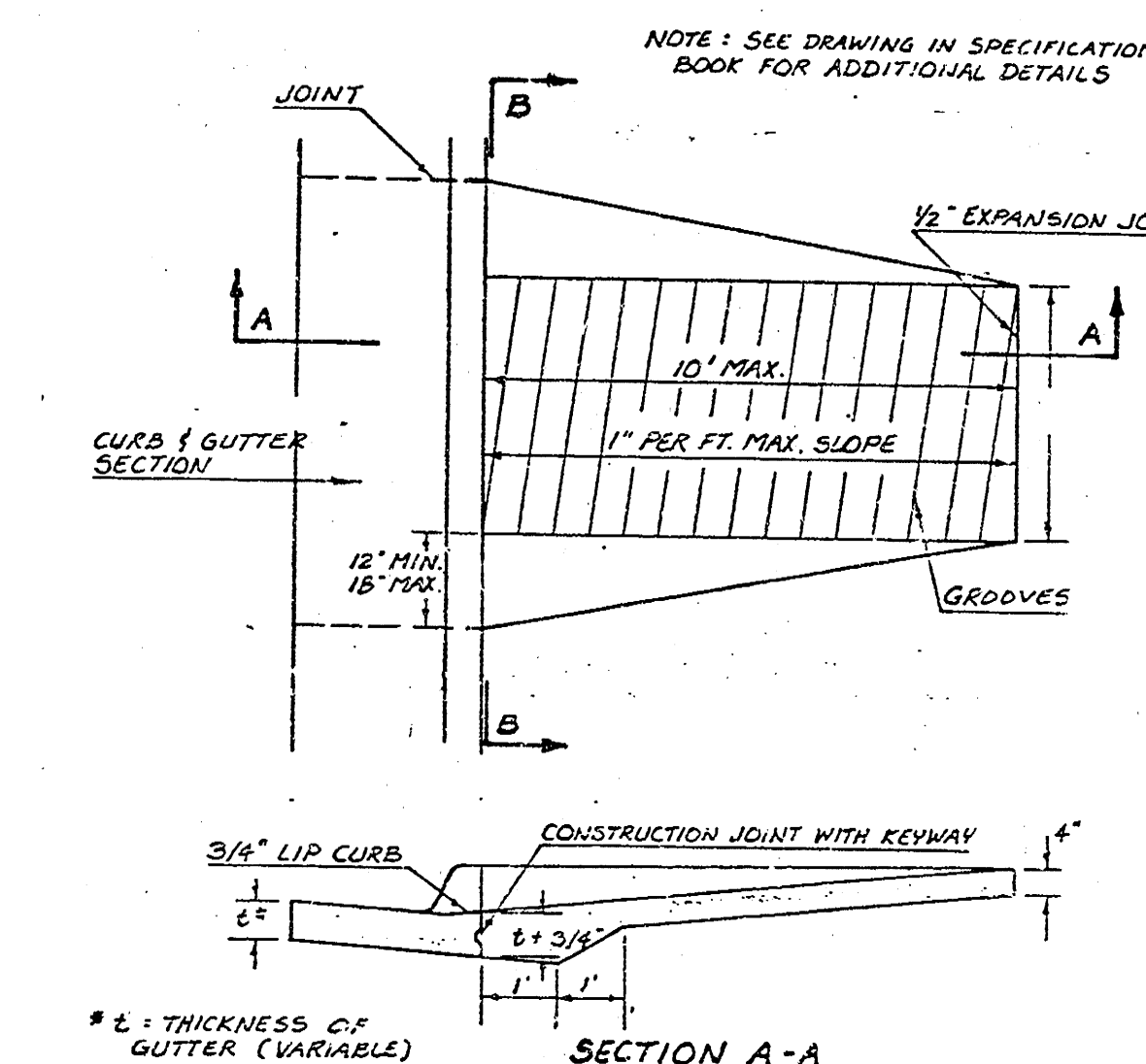
STRIPING AND PARKING METER DETAIL



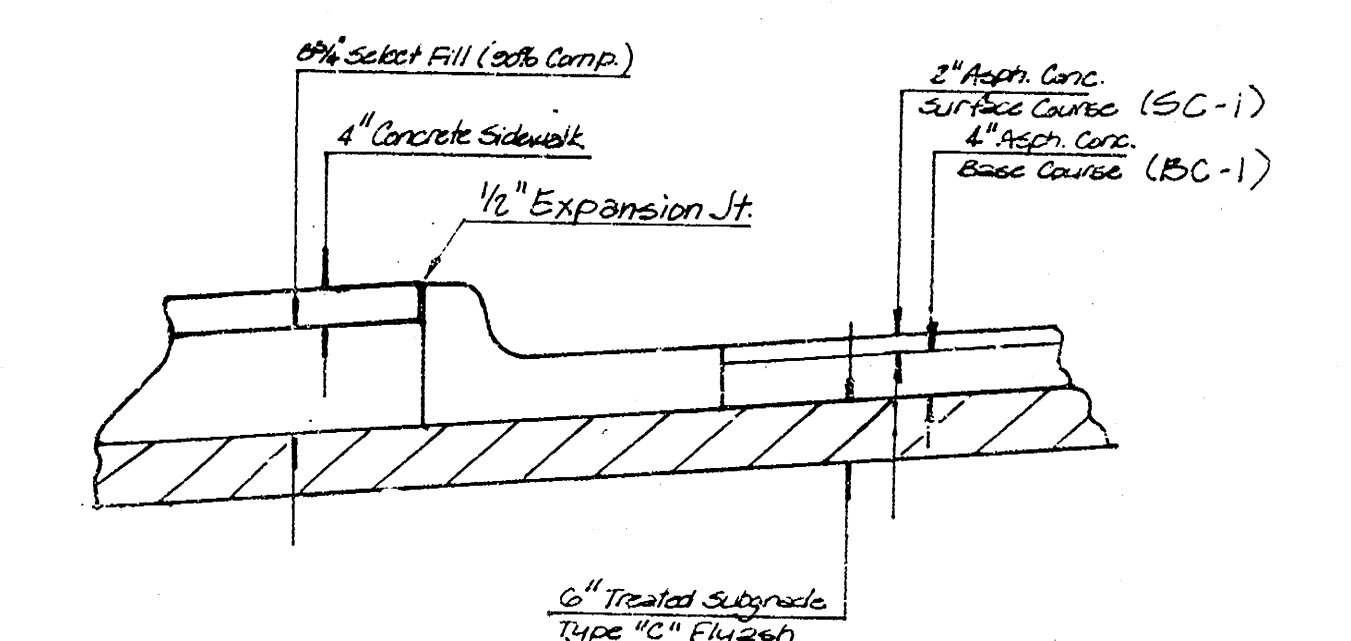
VALLEY GUTTER DETAIL



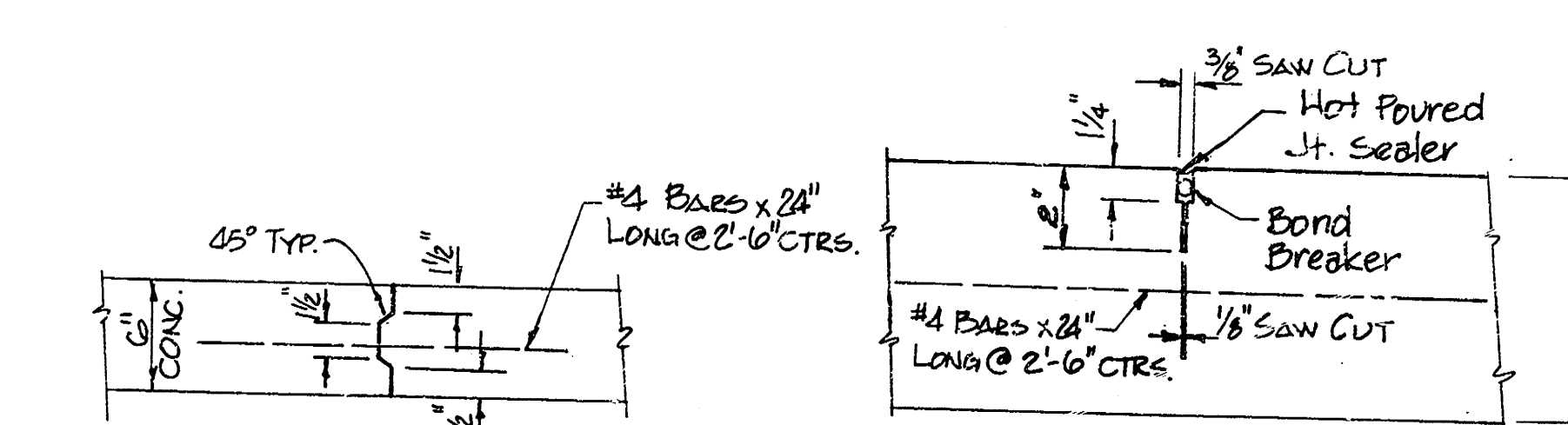
PARKING METER POST DETAIL



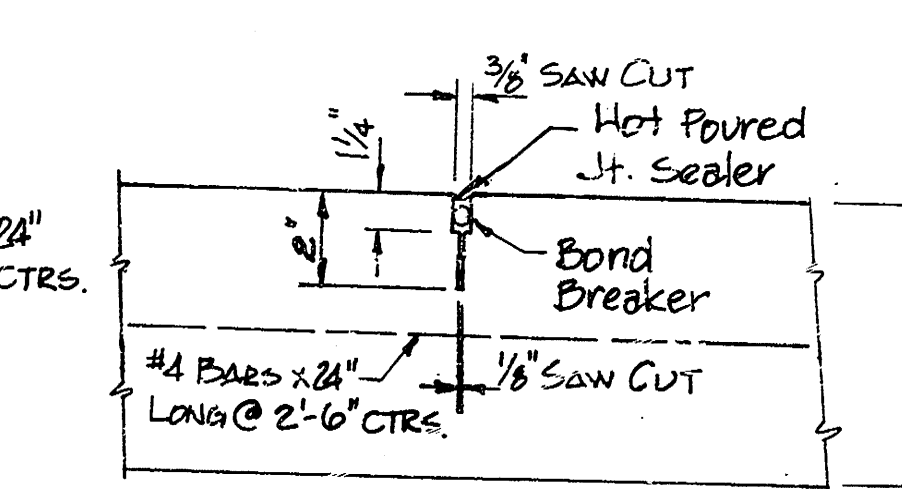
WHEELCHAIR RAMP DETAIL



PAVEMENT AND SUBGRADE DETAIL AT CURB AND WALK



LONGITUDINAL CONSTRUCTION JOINT



LONGITUDINAL SAWED JOINT

FOR CONCRETE VALLEY GUTTER

PARKING LOT DETAILS
CENTURY II EXHIBITION CENTER

CITY OF WICHITA, KS

472-76-245-81501-000-000-001

BAUGHMAN COMPANY, P.A.
SURVEYING & ENGINEERING
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2/9

BENCH MARK
TOP OF IRON IN THIMBLE @ W. SIDE
WATER & WATERMAN, ELEV. 110.54

NOTE: BOTH SIDES OF NORTH DRIVEWAY ENTRANCE OFF WICHITA STREET TO PARKING LOT IS TO BE SIGNED "FIRE LANE NO PARKING" BY OTHERS.

CENTURY II EXHIBITION CENTER

N

1" = 20'

NOTE: CONCRETE WALK INDICATED ON PLANS TO BE COLORED SHALL BE COLORED TO MATCH EXISTING BEIGE TONE SIDEWALK IN THE AREA OF THE EXHIBITION HALL. CONCRETE PRODUCER WILL BE REQUIRED TO MAKE TRIAL MIXES. FINAL APPROVAL FOR ACTUAL DESIGN MIX WILL BE THE ENGINEER'S DETERMINATION BASED ON ACTUAL RESULT FROM TRIAL MIXES.

NOTES:

1. All dimensions to curbs are to face of curb unless otherwise noted.
2. Transition from high-edge to low-edge curb and gutter section to be constructed in 4'± (typical). Transition section shall be located downslope from the point indicated on plan.
3. Area of railroad track removed is to be left unfilled by "others". Fill and compact elevated area to 90% std. density up to bottom of treated subgrade prior to subgrade manipulation.
4. Total number of parking spaces = 173.

EARTHWORK QUANTITIES		Compacted Fill (90% Std. Density)
Excavation	2075 C.Y.	124 C.Y.
+10% 208		12
2283 C.Y.	+10% 12	136 C.Y.
Subgrade Stabilization	5948 S.Y.	78 C.Y.
Manipulation		86 C.Y.
	+10% 8	

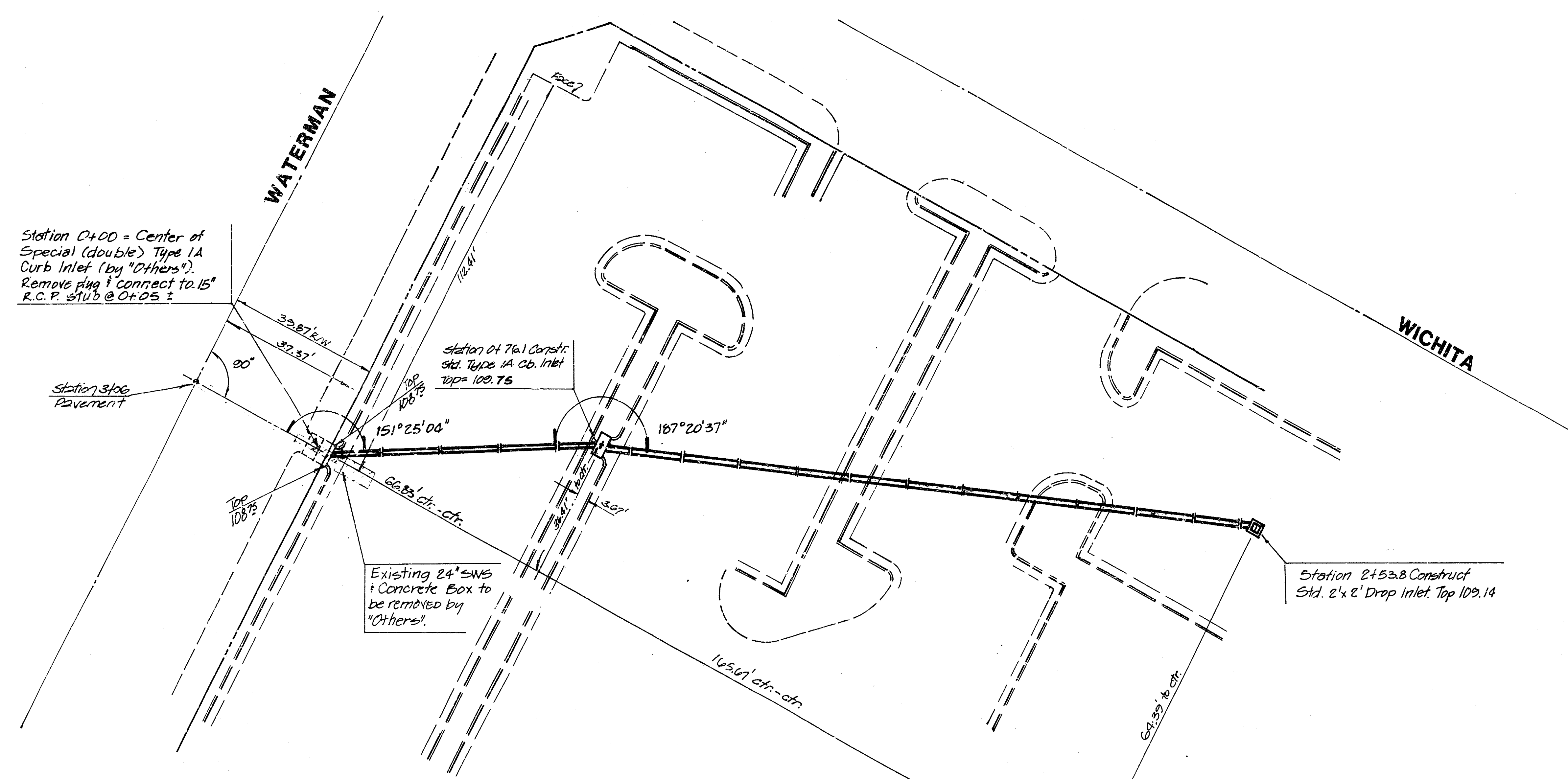
LEGEND

- PAVEMENT TO BE REMOVED
- TEMPORARY ASPHALT HOOKUP
- COLORED CONCRETE WALK
- H.E. HIGH-EDGE GUTTER SECTION (GUTTER SLOPES TOWARD CURB)
- L.E. LOW-EDGE GUTTER SECTION (GUTTER SLOPES AWAY FROM CURB)

PARKING LOT PLAN
PARKING LOT IMPROVEMENTS
CENTURY II EXHIBITION CENTER
CITY OF WICHITA, KANSAS
PROJECT NUMBER
472-76-245-81501-000-000-001

BAUGHMAN COMPANY, P.A.
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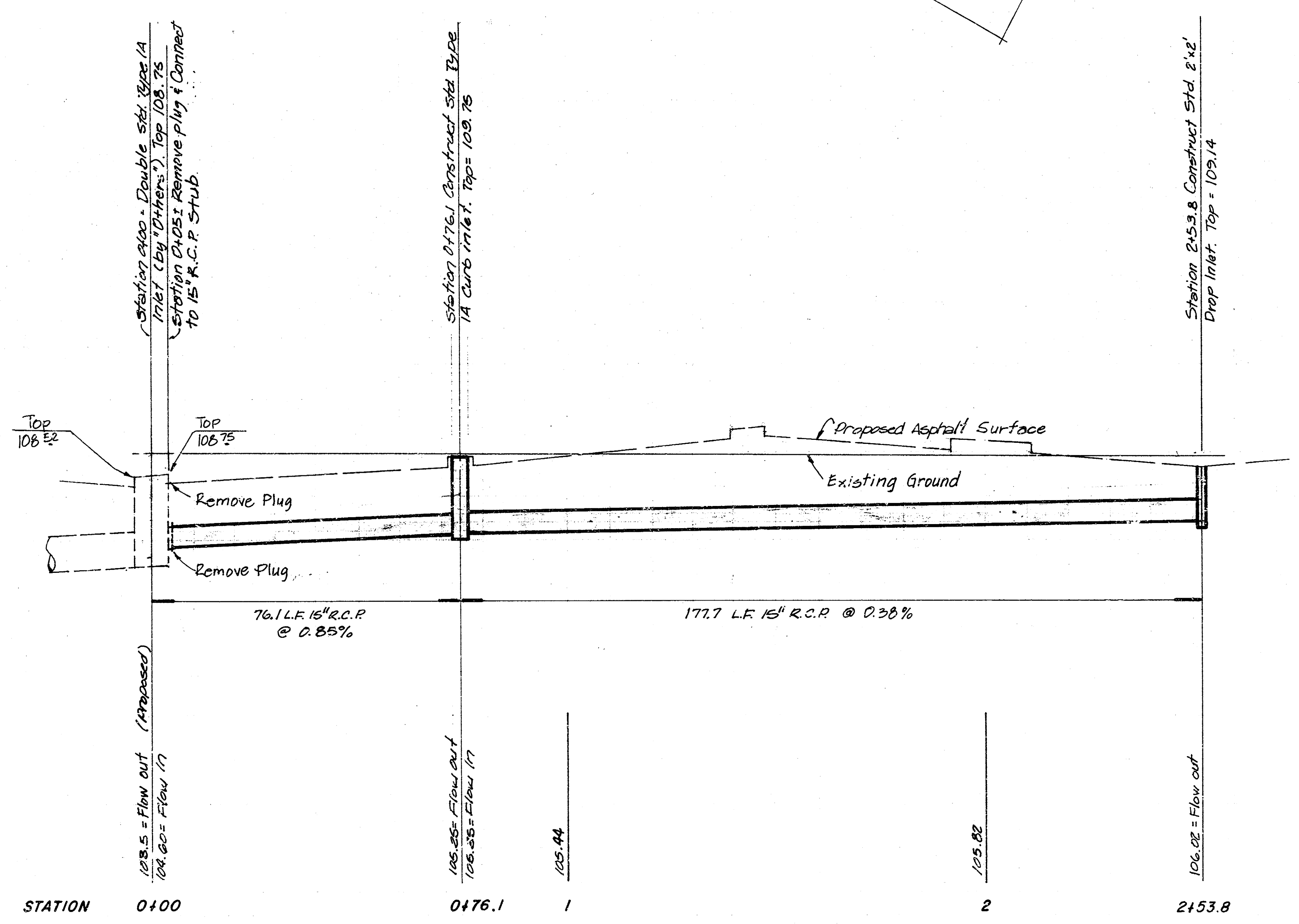
3/9



N

SCALE 1"=20' PLAN
1"=5' PROFILE

110
105
100

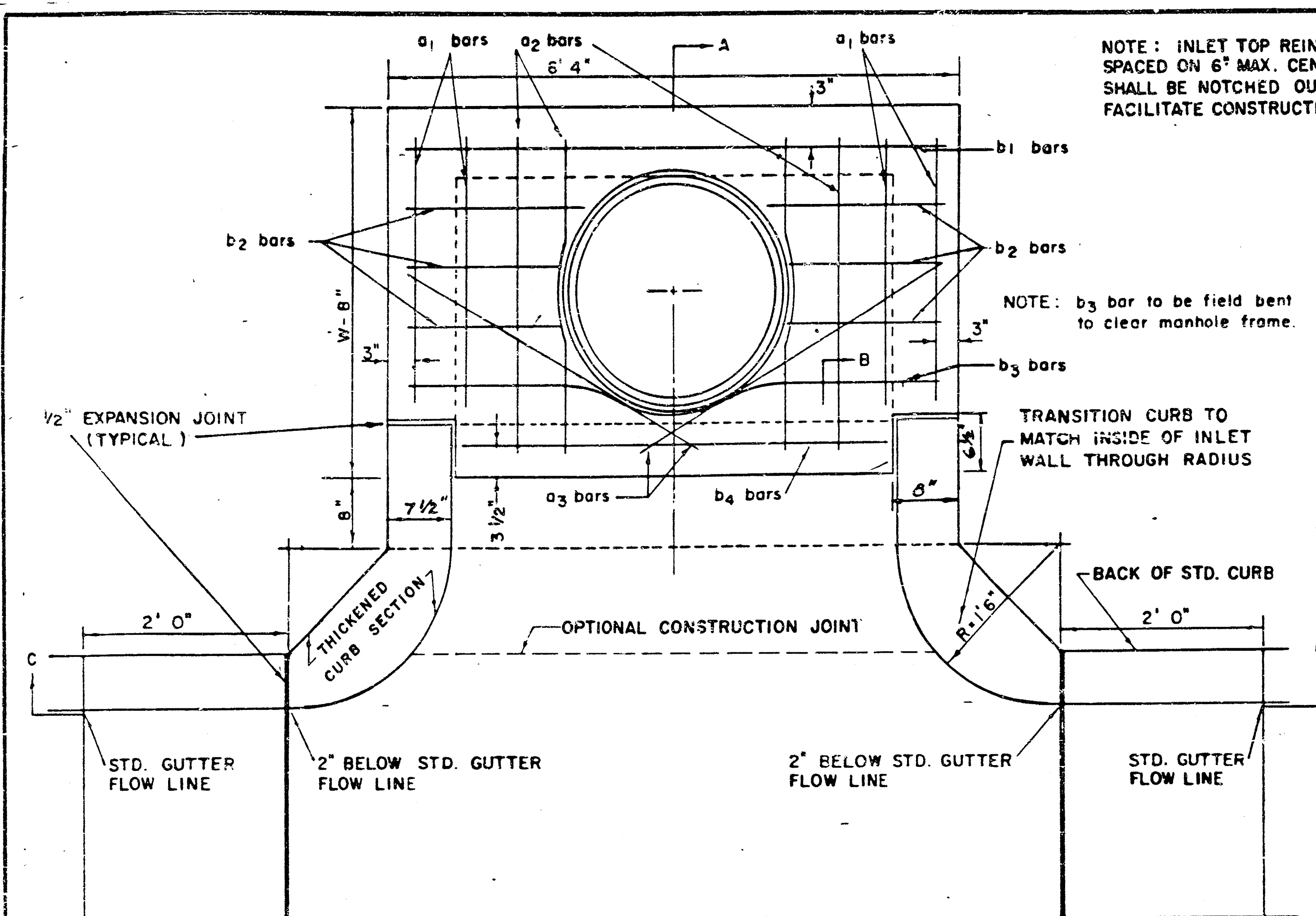


INCIDENTAL DRAINAGE
PARKING LOT IMPROVEMENTS CENTURY II
EXHIBITION CENTER
CITY OF WICHITA, KS

PROJECT NO.
472-76-245-81501-000-000-001

ED BAUGHMAN COMPANY, P.A.
SURVEYING & ENGINEERING
316-262-7271 • 330 LAURA • WICHITA, KANSAS 67211

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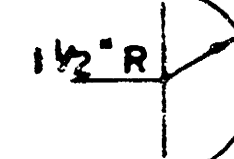
NOTE: INLET TOP REINFORCING SHALL BE SPACED ON 6" MAX. CENTERS. INLET LIDS SHALL BE NOTCHED OUT AS INDICATED TO FACILITATE CONSTRUCTION OF CURB.

NOTE: b3 bar to be field bent to clear manhole frame.

TRANSITION CURB TO MATCH INSIDE OF INLET WALL THROUGH RADIUS

$$a_1 \text{ bar} = W - 21"$$

$$a_2 \text{ bar} = W - 15"$$



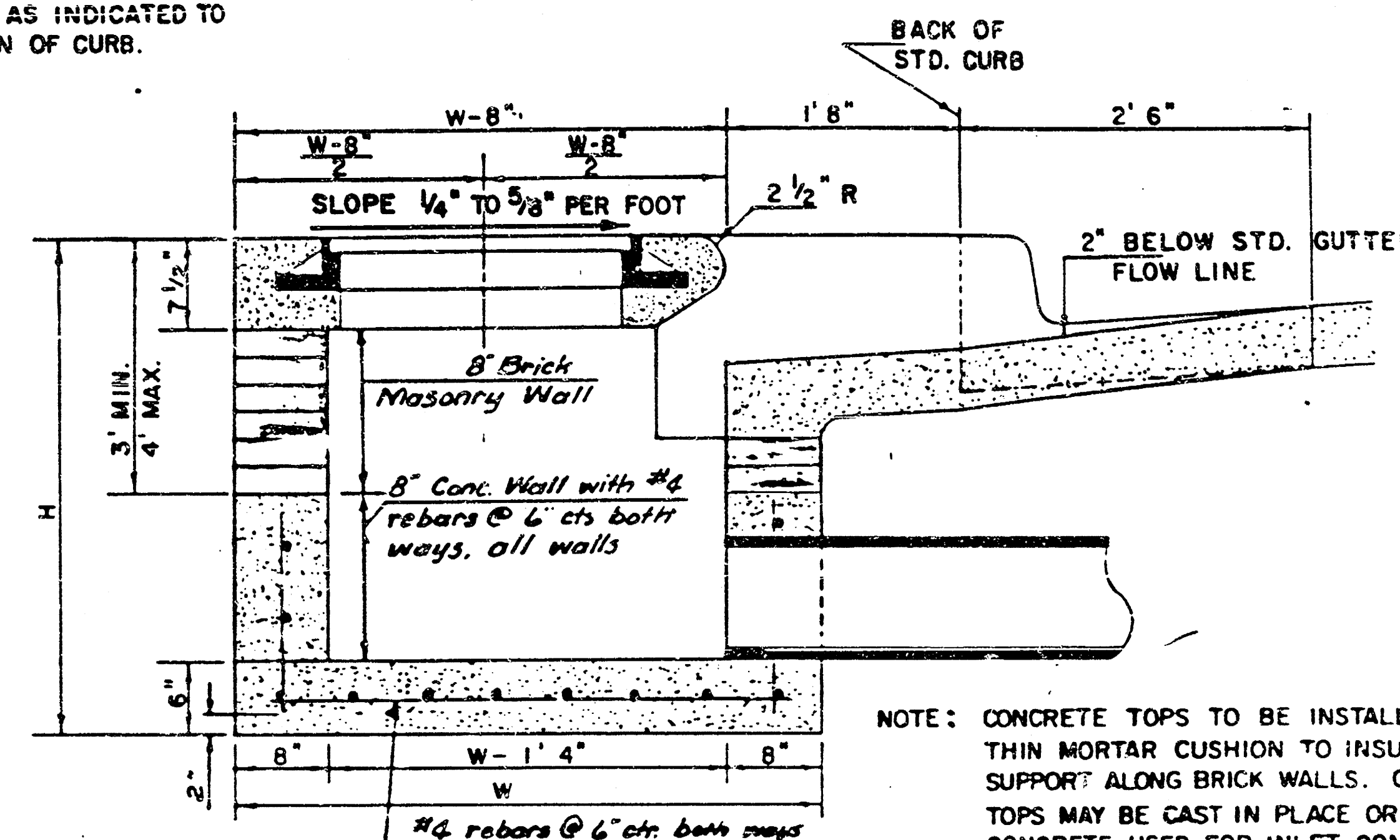
STEEL SCHEDULE

BAR	a ₁	a ₂	a ₃	b ₁	b ₂	b ₃	b ₄	WT. LBS.
NUMBER	4	4	2	1	3	5	7	9
SIZE	"4	"4	"4	"4	"4	"4	"4	"6
W=4'4"	5'7"	6'7"	4'0"	6'1"	-	-	-	1'9"
W=5'4"	7'7"	8'7"	5'0"	6'1"	-	-	-	1'9"
W=6'4"	9'7"	10'7"	6'0"	6'1"	-	-	-	1'9"
W=7'4"	11'7"	12'7"	7'0"	6'1"	-	-	-	1'9"
W=8'4"	13'7"	14'7"	8'0"	6'1"	-	-	-	1'9"

* NOTE: a₃ BARS TO BE PLACED APPROX. 2" BELOW TOP OF INLET COVER

BENDING DIAGRAM

W	PRE-CAST TOP SIZE	PIPE SIZE	CU. YD. CONC.
4' 4"	3' 8" x 6' 4" x 7 1/2"	21" & SMALLER	0.38 ±
5' 4"	4' 8" x 6' 4" x 7 1/2"	24" & 30"	0.51 ±
6' 4"	5' 8" x 6' 4" x 7 1/2"	36" & 42"	0.64 ±
7' 4"	6' 8" x 6' 4" x 7 1/2"	48" & 54"	0.77 ±
8' 4"	7' 8" x 6' 4" x 7 1/2"	60" & 66"	0.90 ±



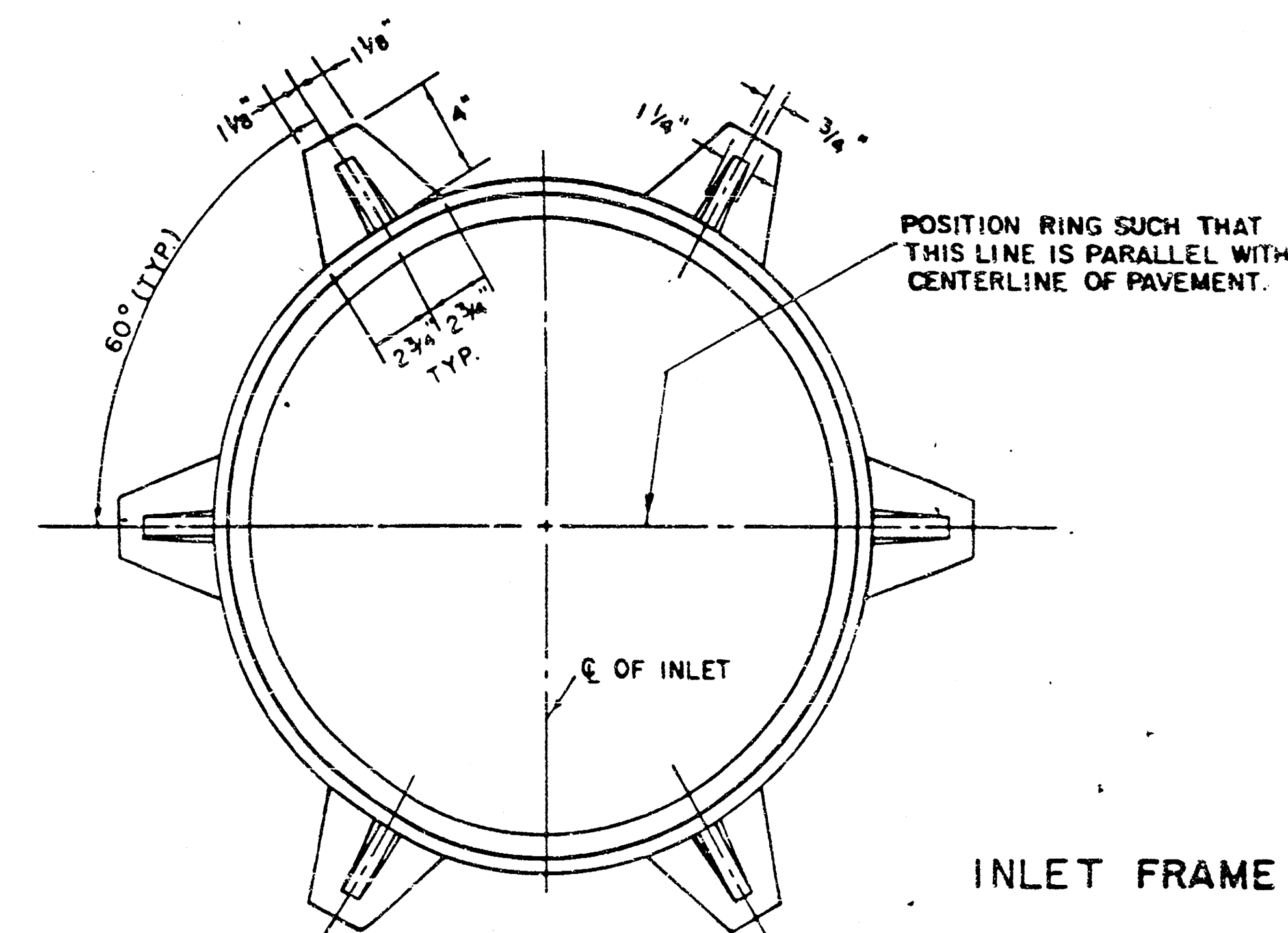
NOTE: CONCRETE TOPS TO BE INSTALLED ON THIN MORTAR CUSHION TO INSURE FULL SUPPORT ALONG BRICK WALLS. CONCRETE TOPS MAY BE CAST IN PLACE OR PRECAST. CONCRETE USED FOR INLET CONSTRUCTION SHALL BE CONCRETE PAVEMENT MIX.

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.

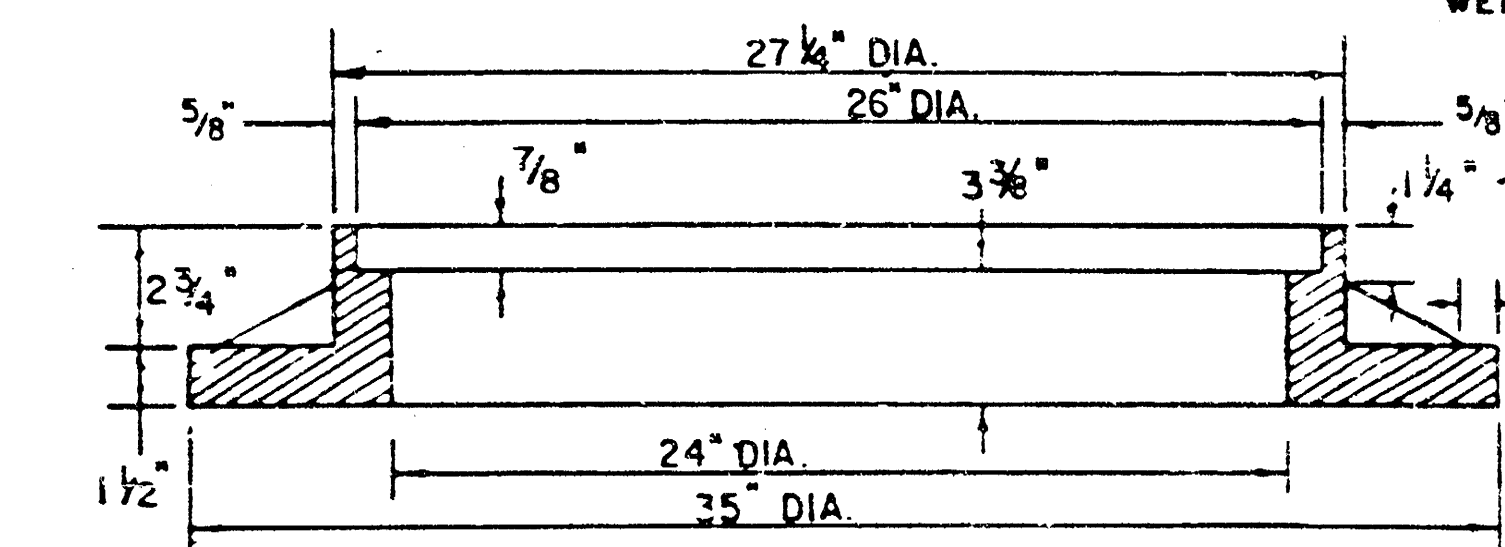
ADDITIONAL CURB AND GUTTER CONSTRUCTION NECESSARY TO CONNECT SET-BACK INLET TO PAVEMENT WILL BE PAID FOR AT THE UNIT PRICE BID FOR EACH INLET MOORUP.

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.

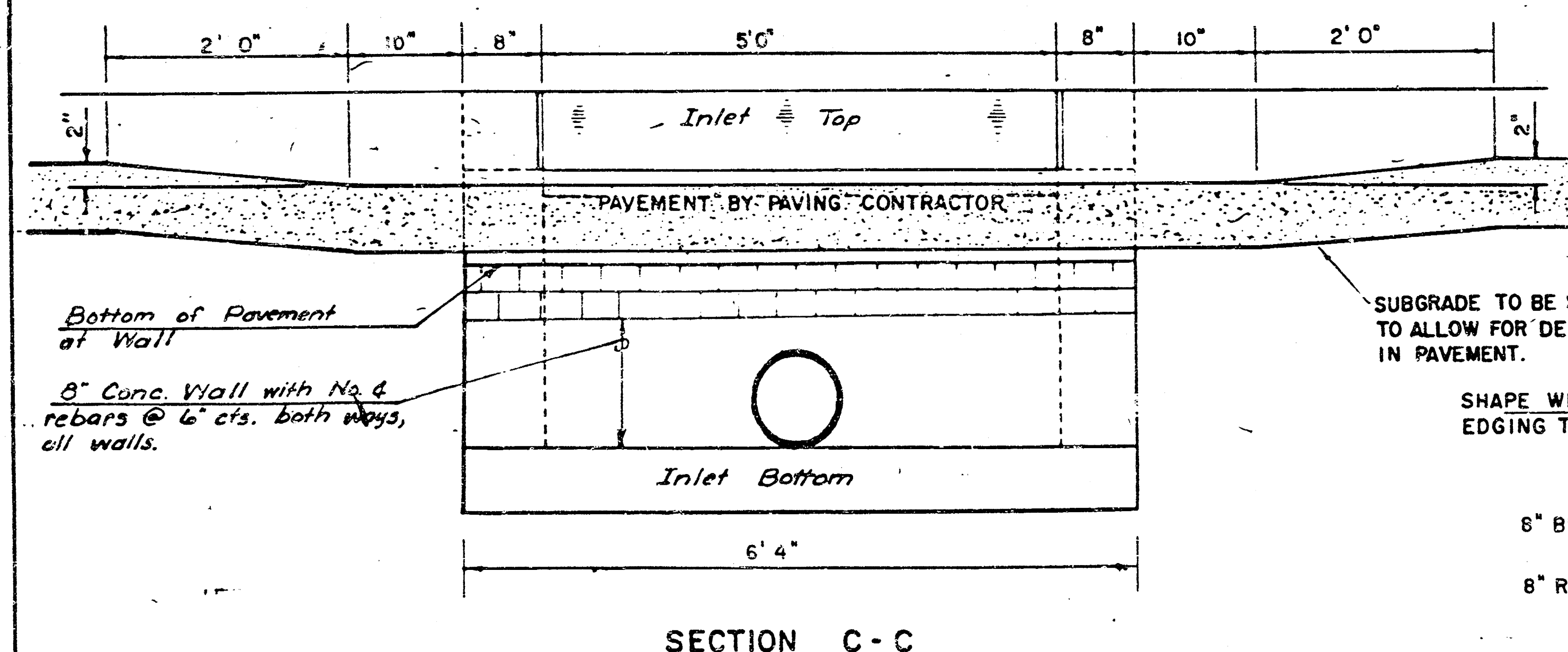
THE ENDS OF ALL PIPES INSTALLED IN INLETS SHALL BE CUT OFF FLUSH WITH THE INSIDE FACE OF THE INLET WALL.



WEIGHT = 180 LBS.



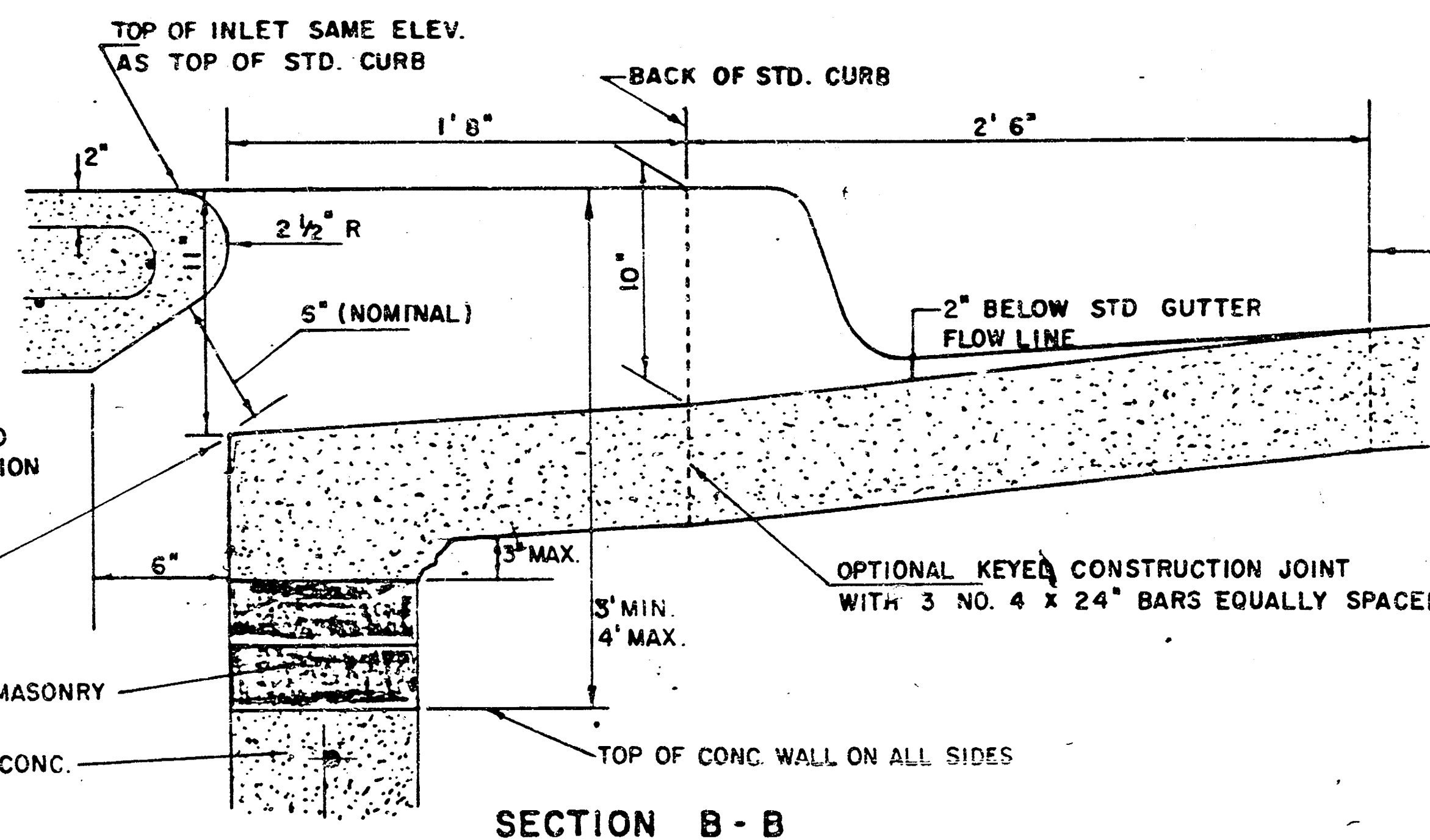
SEE CITY OF WICHITA STANDARD MANHOLE FRAME AND COVER DETAIL SHEET FOR COVER DETAILS TO BE USED WITH INLET FRAME.



SUBGRADE TO BE SHAPED TO ALLOW FOR DEPRESSION IN PAVEMENT.

SHAPE WITH EDGING TOOL

6" BRICK MASONRY
8" REINF. CONC.



LIMITS OF GUTTER SHAPING AND/OR EDGE OF COMB. CURB AND GUTTER

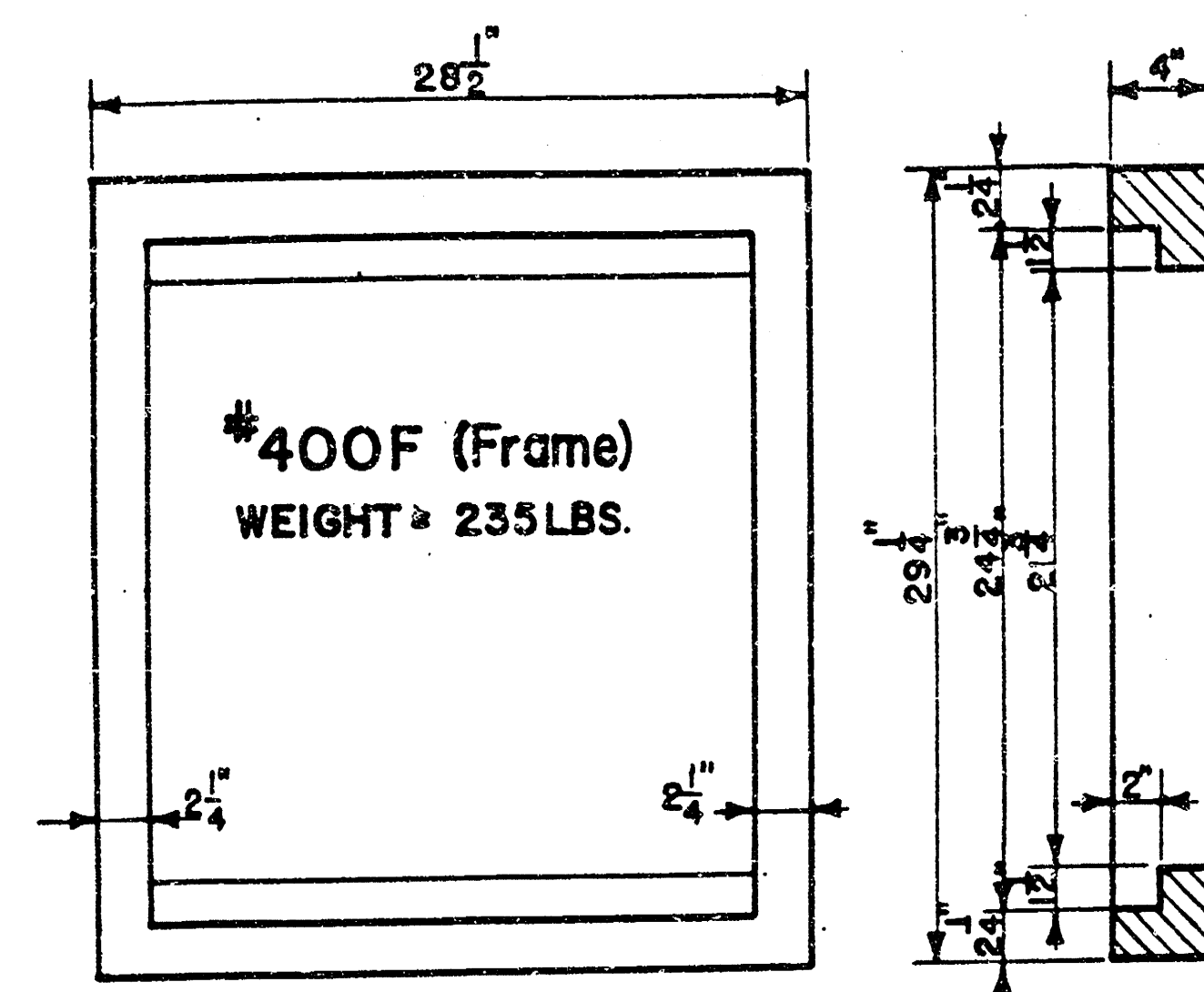
OPTIONAL KEYS CONSTRUCTION JOINT WITH 3 NO. 4 x 24" BARS EQUALLY SPACED

REVISED 12-21-1984

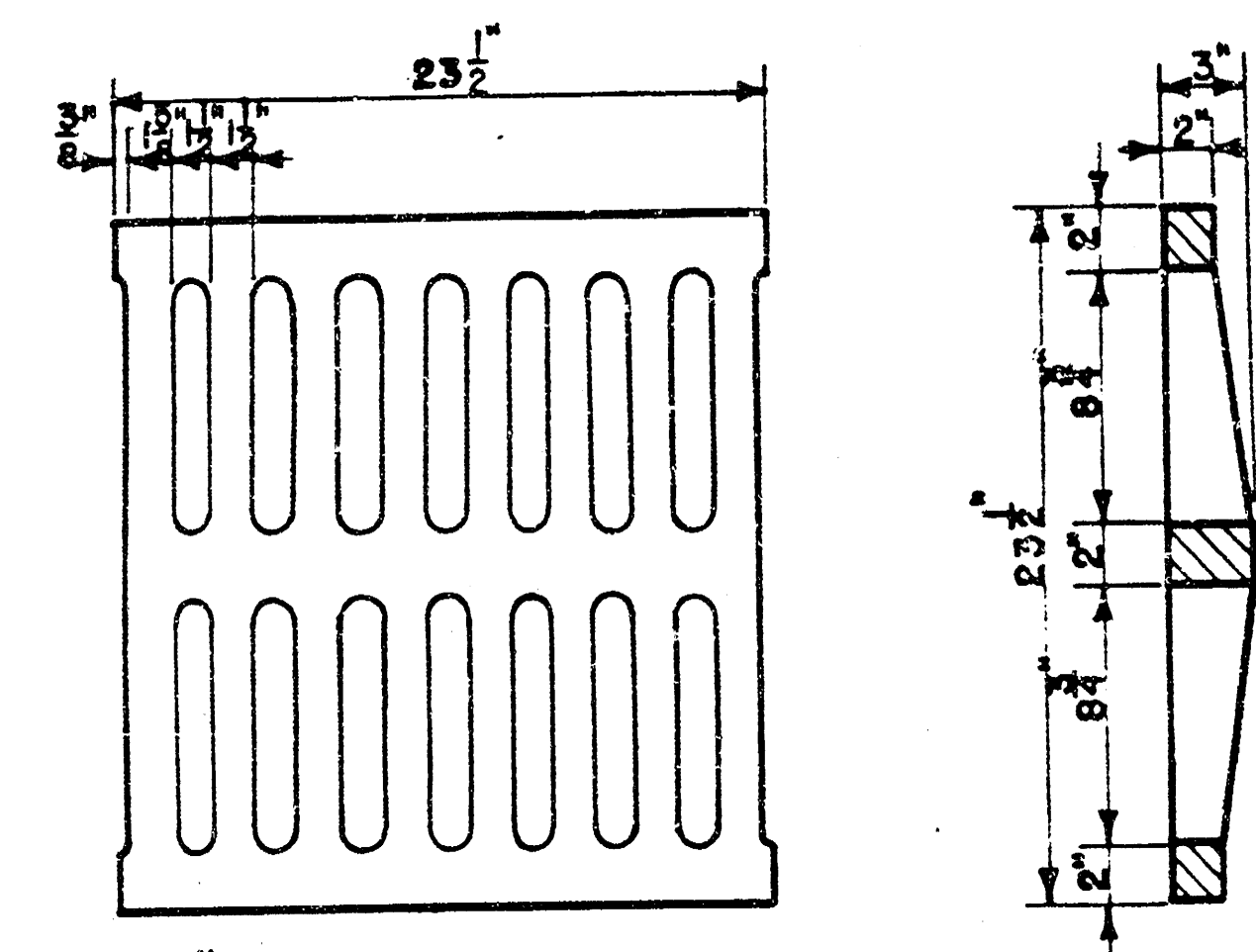
DETAIL STANDARD TYPE IA CURB INLET
CITY OF WICHITA, KANSAS
INLET OPENING = 6" x 5'0"

Proj. no. 472-76-245-81501-000-000-001

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.

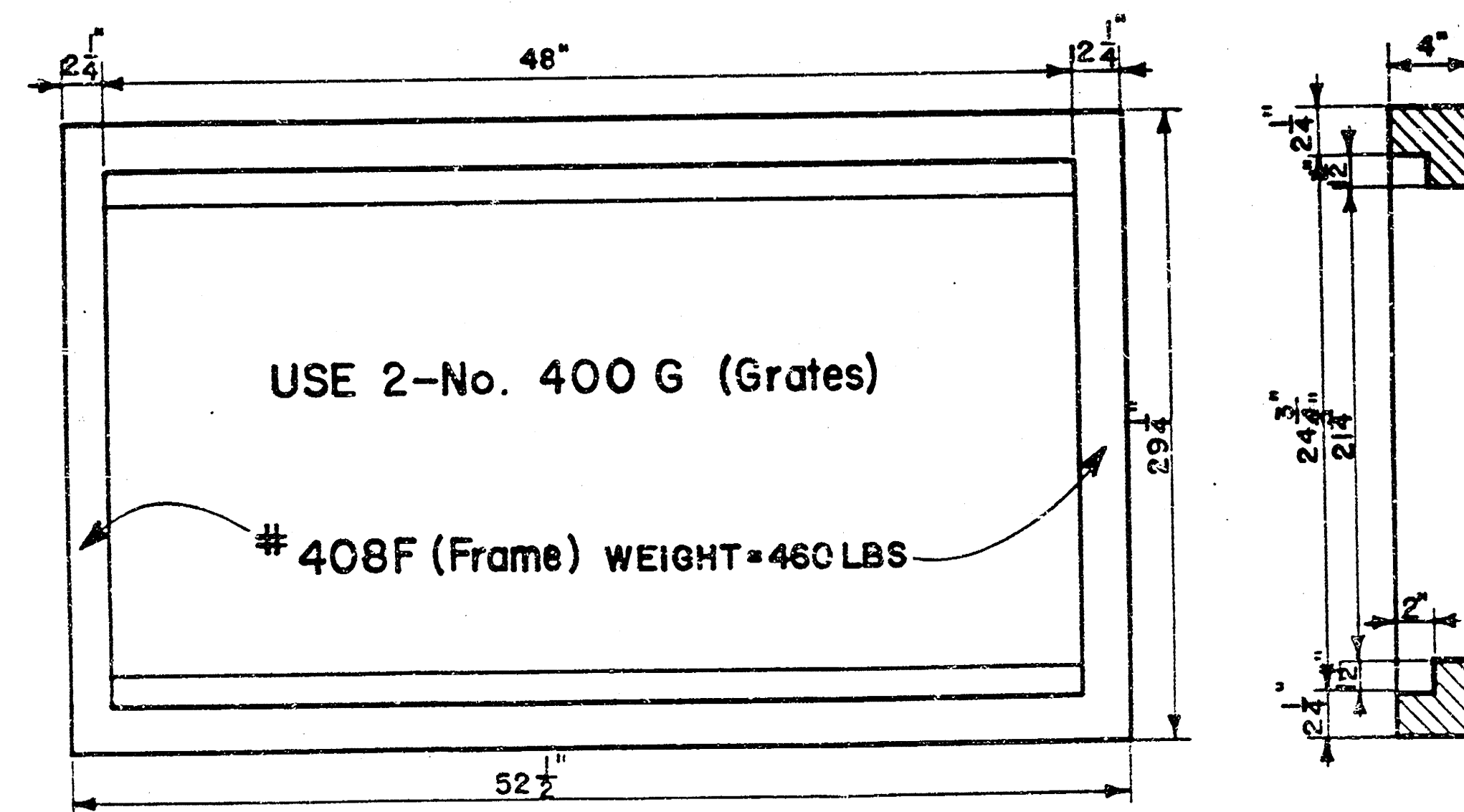


#400F (Frame)
WEIGHT = 235 LBS.



#400G (Grate)
WEIGHT = 235 LBS.

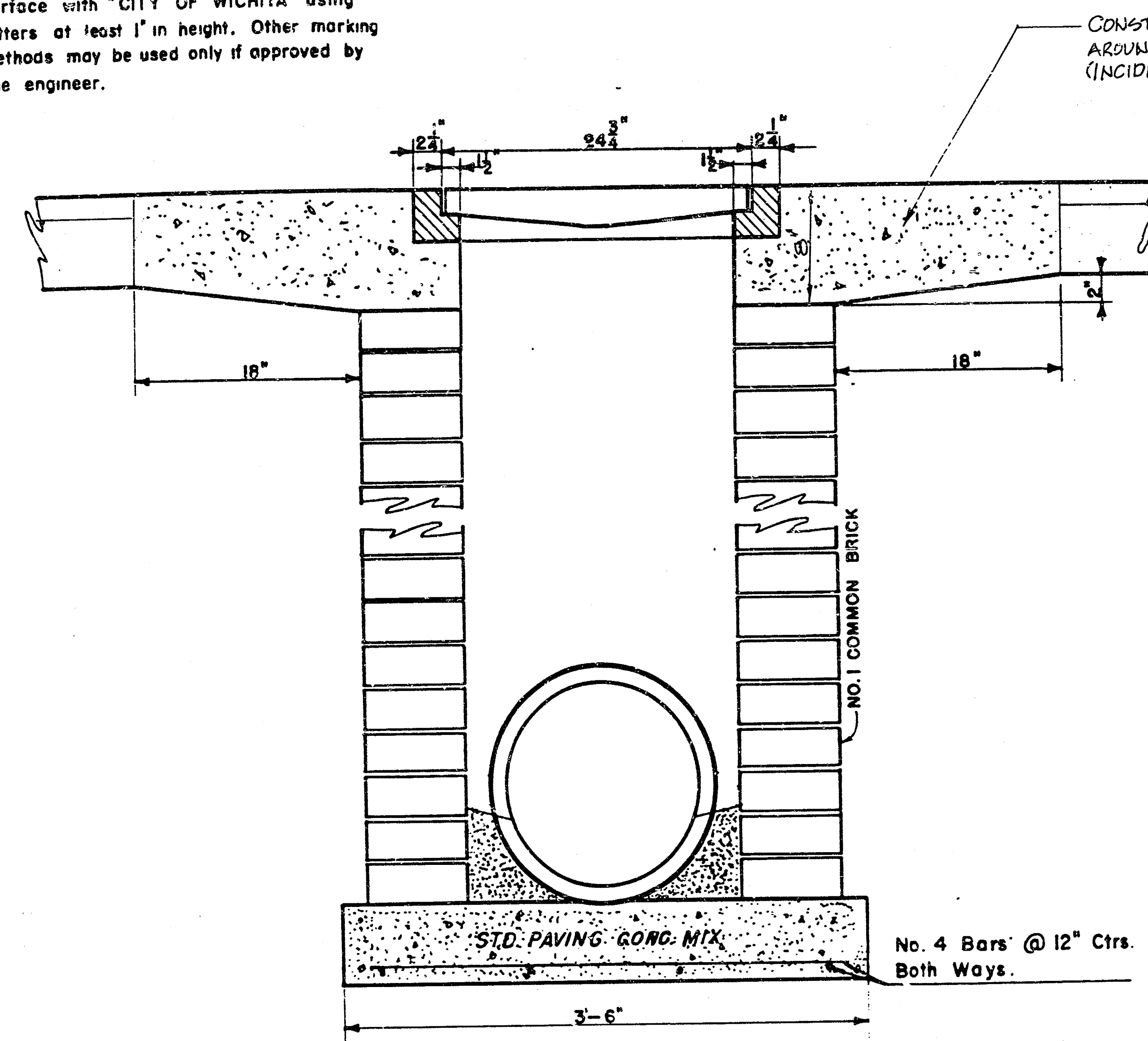
24"x24" Frame & Grate Detail



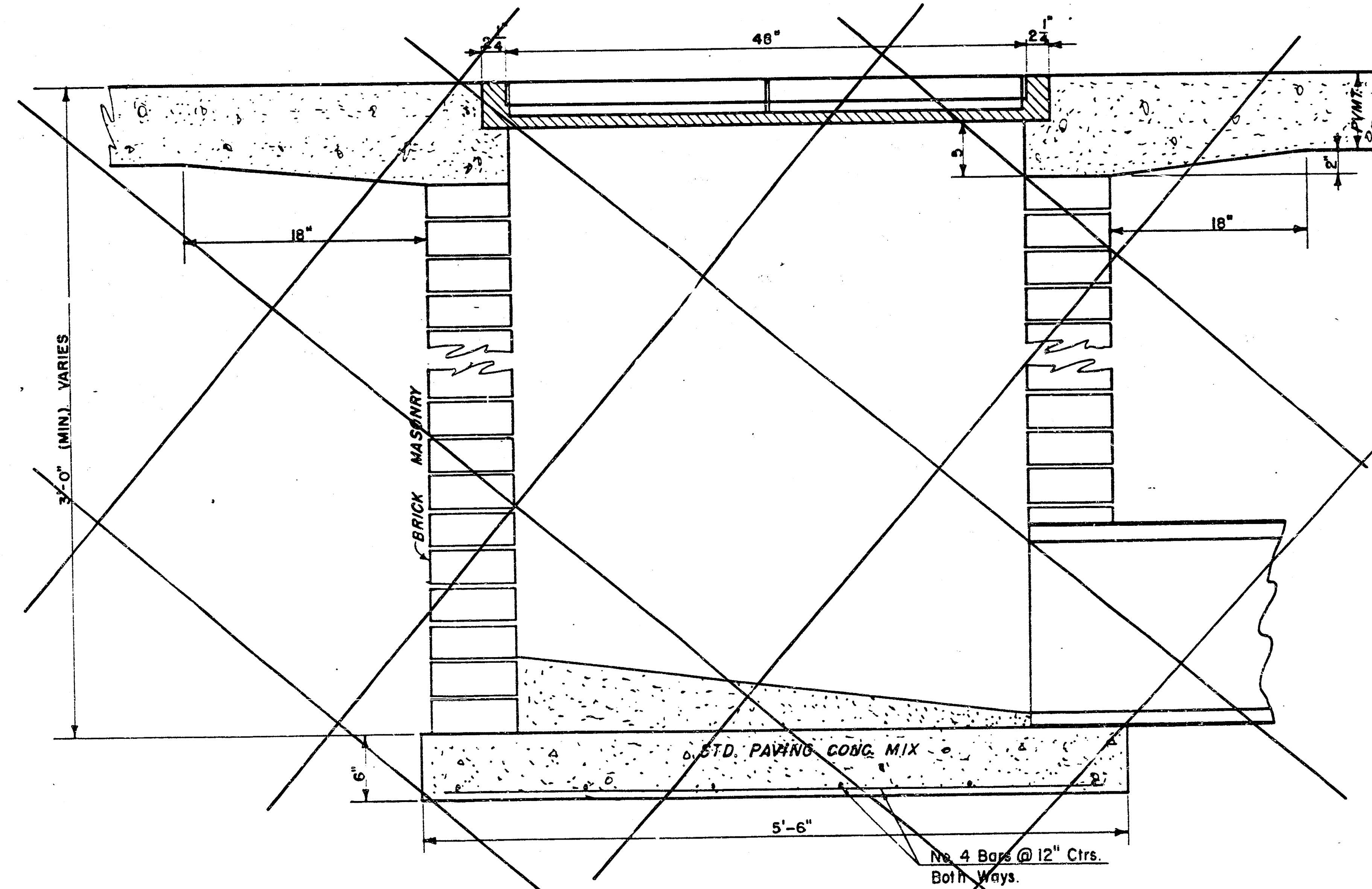
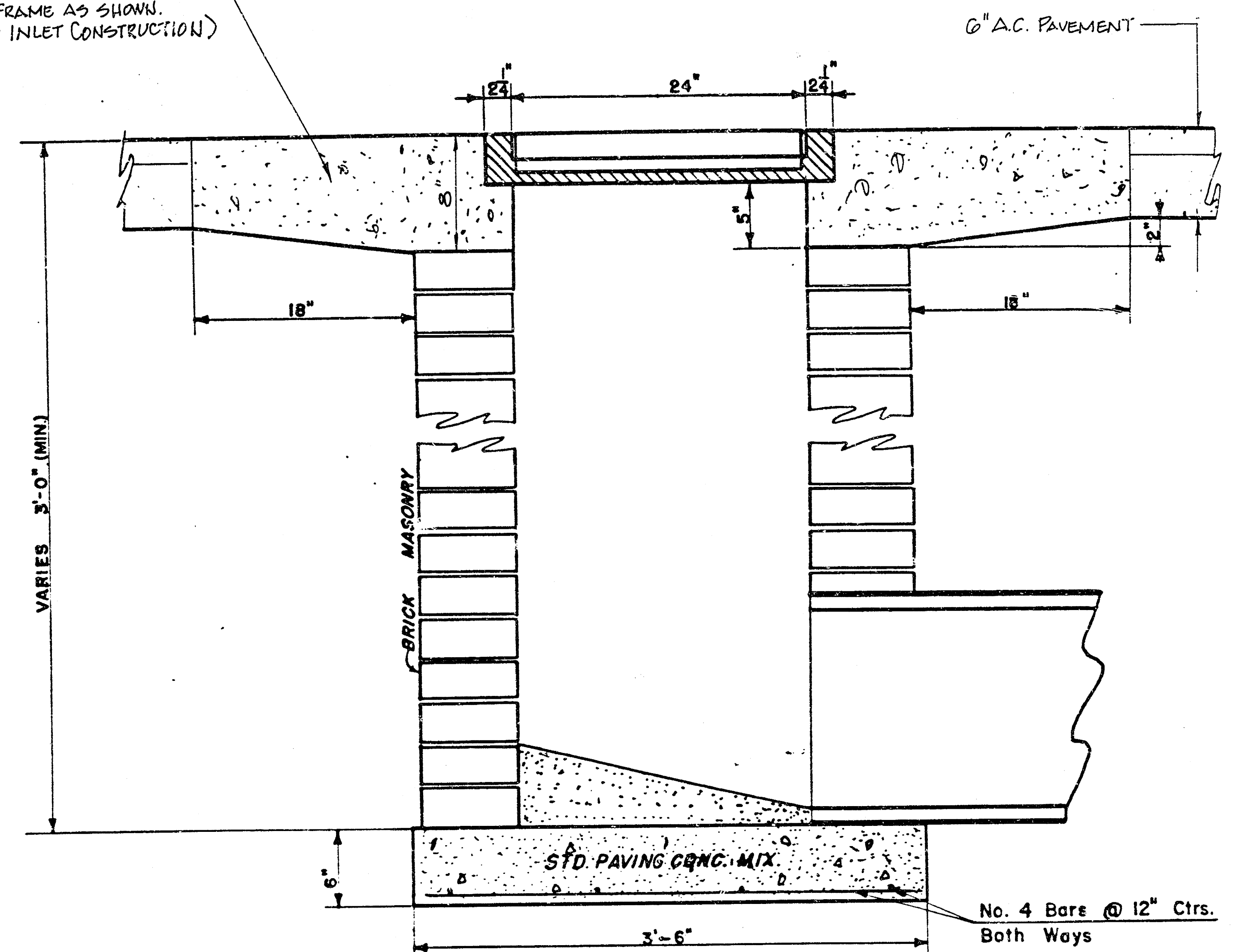
USE 2-No. 400 G (Grates)

#408F (Frame) WEIGHT = 460 LBS.

Double 24"x24" Frame Detail



CONSTRUCT CONCRETE COLLAR AROUND INLET FRAME AS SHOWN. (INCIDENTAL TO INLET CONSTRUCTION)

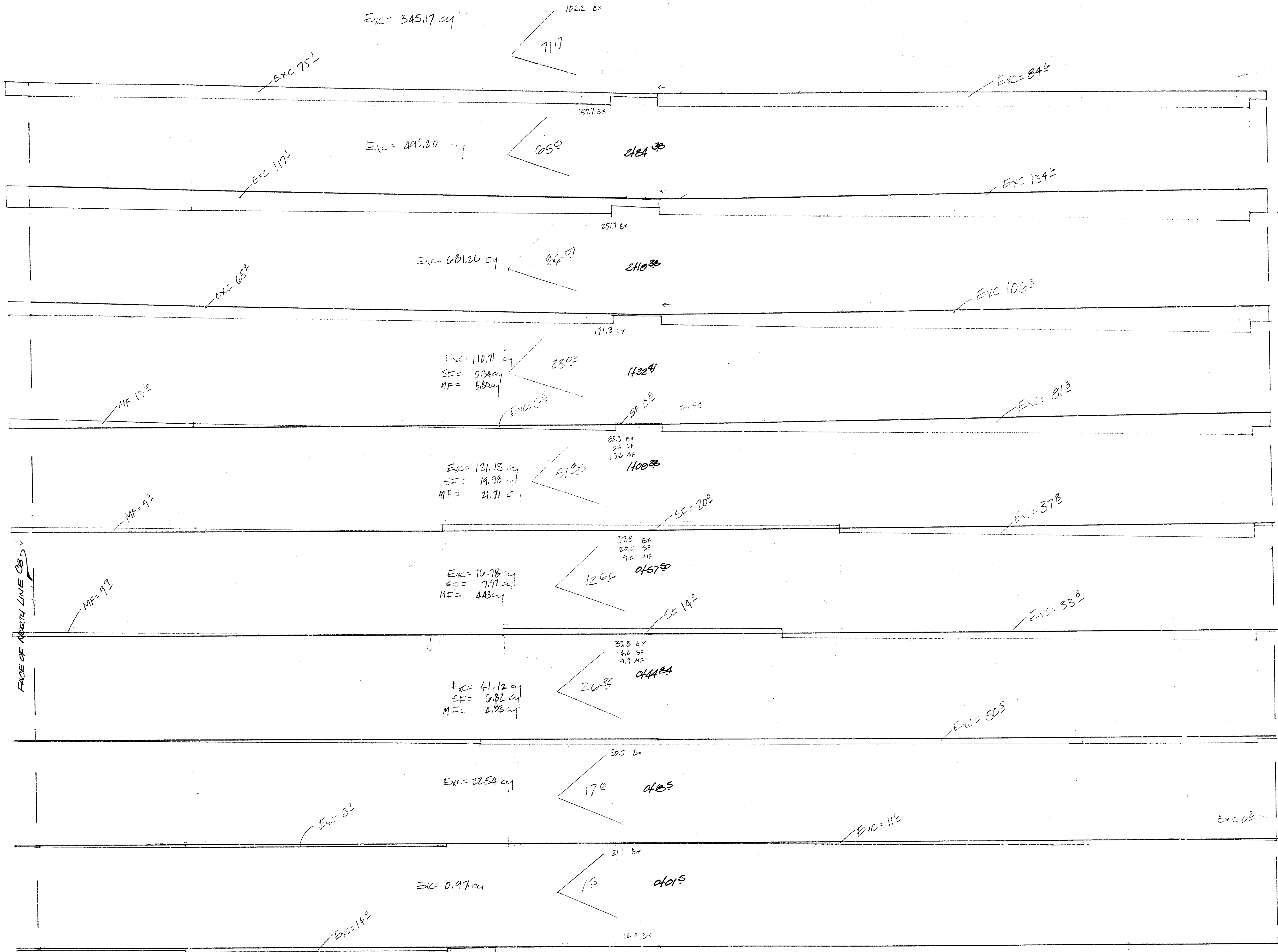


DROP INLET DETAILS

M.E. Lindebak, City Engineer
City of Wichita, Kansas
Project # 472-76-245-81501-000-000-001
Project
Date:
Scale: 1-1/2" = 1'-0"

6/9 6/9

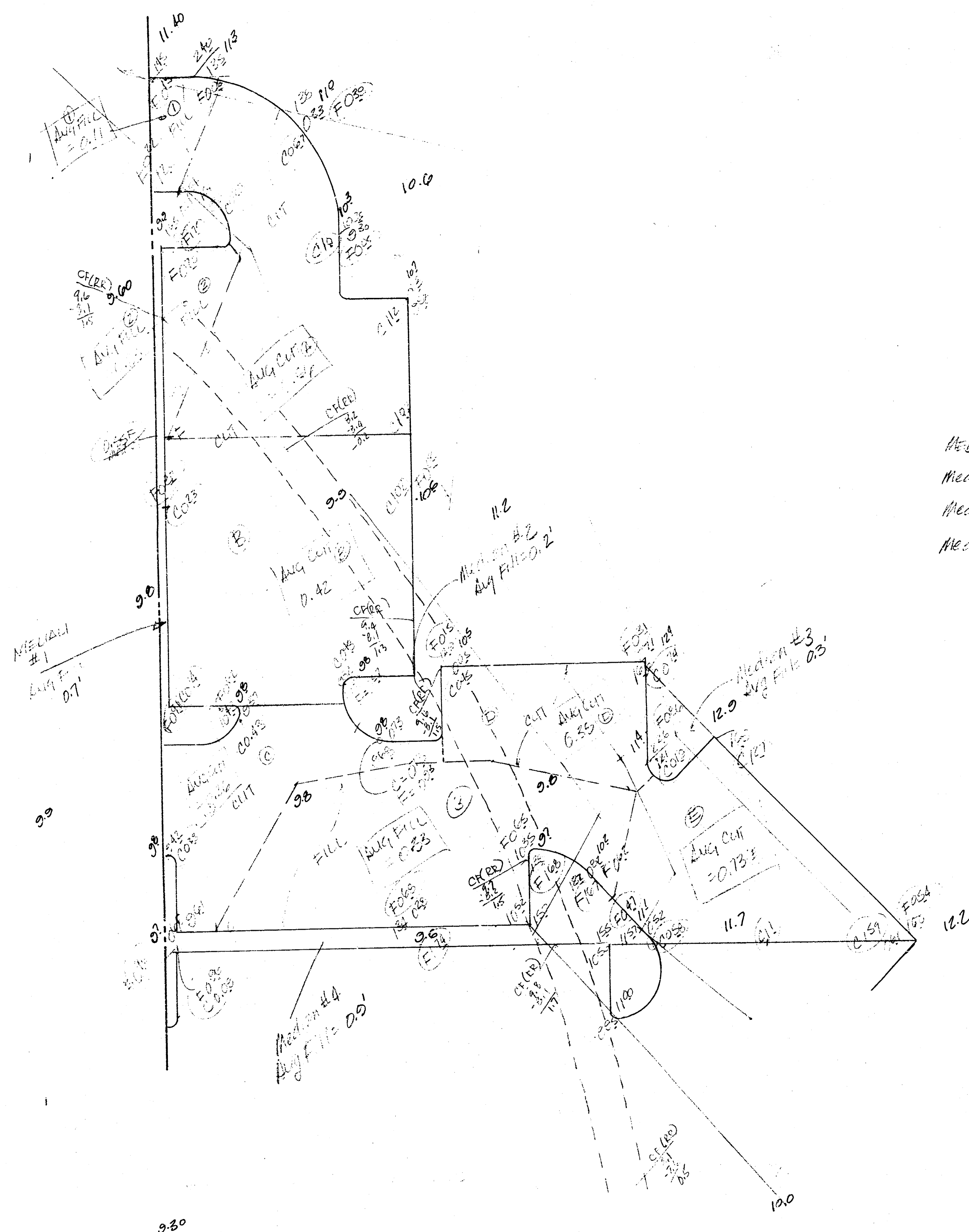
110
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PAVEMENT
SELECT FILL: 1334.90
SELECT FILL: 35.11
MANIP. FILL: 36.77 cy

EXC = 2075.35 cy
SELECT FILL = 86.36 cy
MANIP. FILL = 77.52 cy
COMP. FILL (90%) = 124.25 cy

EARTHWORK
CENTURY II EXHIBITION CENTER
PARKING LOT IMPROVEMENTS
Proj. no. 472-76-245-81501-000-000-001



EXCAVATION

AREA A = 3016 ft^2 @ 0.50' Avg Cut = 1508.00 ft^3
 AREA B = 3999.6 ft^2 @ 0.42' Avg Cut = 1679.73 ft^3
 AREA C = 1560 ft^2 @ 0.26' Avg Cut = 405.60 ft^3
 AREA D = 1232 ft^2 @ 0.22' Avg Cut = 271.04 ft^3
 AREA E = 3105 ft^2 @ 0.13' Avg Cut = 403.65 ft^3
TOTAL = 5792.02 ft^3
= 214.01 cu yds.

SELECT MEDIUM FILL (90% STD DENSITY)

Median #1: Area = 570 ft^2 @ 0.1' Avg Fill = 57.00 ft^3
 Median #2: Area = 540 ft^2 @ 0.2' Avg Fill = 108.00 ft^3
 Median #3 Area = 500 ft^2 @ 0.3' Avg Fill = 150.00 ft^3
 Median #4 Area = 900 ft^2 @ 0.1' Avg Fill = 90.00 ft^3
TOTAL = 1385.00 ft^3
= 51.25 cu yds.

MANIPULATED FILL (95% STD DENSITY)

AREA 1 = 312 ft^2 @ 0.11' Avg Fill = 34.32 ft^3
 AREA 2 = 388 ft^2 @ 0.23' Avg Fill = 89.14 ft^3
 AREA 3 = 2202 ft^2 @ 0.22' Avg Fill = 484.44 ft^3
TOTAL = 110025 ft^3
= 40.75 cu yds.

**COMPACTED FILL (90%) IN E.R. EXCAVATION
(TO BE EXCAVATED 1.5' BELOW EXISTING GROUND BY OTHERS.)**

305' x 10' x 1.1' Avg. Fill = 3655 cu ft = **124.2 cu yds.**

FINAL TOTALS
 EXCAVATION: 240.43 cu yds
 SELECT FILL: 51.25 cu yds
 MANIP. FILL: 40.75 cu yds
 (COMPACT. FILL 90%: 124.25 cu yds)