STREET IMPROVEMENTS
CHARLES AVENUE

FROM 31ST STREET NORTH TO 1055 FEET NORTH

PROJECT NO. 472-76-245-81854-000-000-001

INDEX CODE 607234

CITY OF WICHITA, KANSAS
MICHAEL E. LINDEBAK CITY ENGINEER
MARCH 1989

GENERAL NOTES

1. CHARLES STREET SHALL BE CLOSED UNTIL THE EXCAVATION, SUBGRADE MANIPULATION, FIRST LIFT OF ASPHALTIC CONCRETE BASE COURSE, AND THE CURB AND GUTTER HAVE BEEN INSTALLED. AFTER THE AFOREMENTIONED ITEMS HAVE BEEN INSTALLED CHARLES STREET SHALL BE OPEN TO LOCAL TRAFFIC THROUGH THE DURATION OF THE STREET CONSTRUCTION.

2. UTILITY SERVICE LINES, POLES, VALVE BOXES, METERS, AND VICINERA ARE TO BE ADJUSTED AS NECESSARY BY OTHERS PRIOR TO CONSTRUCTION UNLESS THE PLANS SPECIFICALLY CALL FOR THEIR ADJUSTMENT BY THE CONTRACTOR OR UNLESS THE PLANS SPECIFICALLY IDENTIFY A UTILITY TO BE ADJUSTED BY ITS OWNER DURING CONSTRUCTION. EXISTING UTILITIES AND THEIR LOCATION, AS SHOWN ON THE PLANS, REPRESENT THE BEST INFORMATION OBTAINABLE FOR DESIGN. THE CONTRACTOR WILL BE REQUIRED TO WORK AROUND EXISTING UTILITIES WITHIN THE RIGHT-OF-WAY WHICH DO NOT CONFLICT WITH PROPOSED CONSTRUCTION.

3. RUBBLE FROM THE REMOVAL OF MISCELLANEOUS STRUCTURES AND EXCESS EXCAVATION WHICH IS TO BE WASTED SHALL BE DISPOSED OF ON SITES TO BE FURNISHED 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.

4. THE CITY OF WICHITA'S SEWER MAINTENANCE DIVISION OF THE DEPARTMENT OF WATER AND WATER POLLUTION CONTROL HAS TELEVISED SEWERS WITHIN THE LIMITS OF THE PROJECT AND HAVE FOUND NO DEFECTS REQUIRING REPAIR. THE DIVISION SHALL BE NOTIFIED AND AFFORDED THE OPPORTUNITY TO RETELEVISE SEWER LINES AFTER SUBGRADE WORK HAS BEEN COMPLETED AND PRIOR TO PAVEMENT CONSTRUCTION TO DETERMINE IF SUCH SEWER LINES HAVE BEEN DAMAGED BY THE CONTRACTOR'S OPERATIONS. DAMAGED SEWER LINES WILL BE REPAIRED BY THE CONTRACTOR, AS DIRECTED BY THE ENGINEER, AT THE CONTRACTOR'S EXPENSE. TELEVISION LOGS ARE AVAILABLE FOR INSPECTION BY THE CONTRACTOR DURING NORMAL OFFICE HOURS AT THE SEWER MAINTENANCE DIVISION'S OFFICE AT CITY HALL.

5. THE CONTRACTOR SHALL NOTIFY PIPELINE COMPANIES AT LEAST 24 HOURS IN ADVANCE OF ANY WORK BEING PERFORMED OVER AND/OR ADJACENT TO PIPELINES.

6. DRIVEWAY LOCATIONS SHOWN ON THE PLANS ARE TENTATIVE. CONTRACTOR WILL BE REQUIRED TO OBTAIN PROPERLY EXECUTED DRIVEWAY REQUEST FORM SIGNED BY PROPERTY OWNER OR HIS AUTHORIZED REPRESENTATIVE VERIFYING DRIVEWAY WIDTHS AND LOCATIONS. SUCH FORMS SHALL BE SUBMITTED TO THE ENGINEER FOR HIS REVIEW AND APPROVAL.

7. MAILBOXES WITHIN THE LIMITS OF THE PROJECT SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AS APPROVED BY THE ENGINEER. CONTRACTOR WILL BE REQUIRED TO MAKE SATISFACTORY PROVISIONS FOR MAIL DELIVERY TO PROPERTIES AFFECTED BY THIS PROJECT DURING ITS CONSTRUCTION.

8. TREES AND SHRUBS IN PUBLIC RIGHT-OF-WAY WHICH ARE IN DIRECT CONFLICT WITH PROPOSED NEW CONSTRUCTION SHALL BE REMOVED BY THE CONTRACTOR WITH THE ENGINEER'S APPROVAL. TREES AND SHRUBS WHICH ARE NOT IN DIRECT CONFLICT WITH PROPOSED NEW CONSTRUCTION SHALL BE SAWED AND PROTECTED FROM DAMAGE.

9. LIMITS OF EARTHWORK SHALL MATCH EXISTING GROUND ELEVATIONS AT THE RIGHT-OF-WAY LINE UNLESS OTHERWISE NOTED ON THE PLANS OR A NEW FINISHED GRADE ELEVATION. WHEN A NEW FINISHED GRADE ELEVATION IS SHOWN, THE EARTHWORK SHALL EXTEND ONE FOOT BEYOND THE RIGHT-OF-WAY LINE AND THEN SLOPED UP OR DOWN USING PERMISSIBLE SLOPES TO MATCH THE EXISTING GROUND SURFACE.

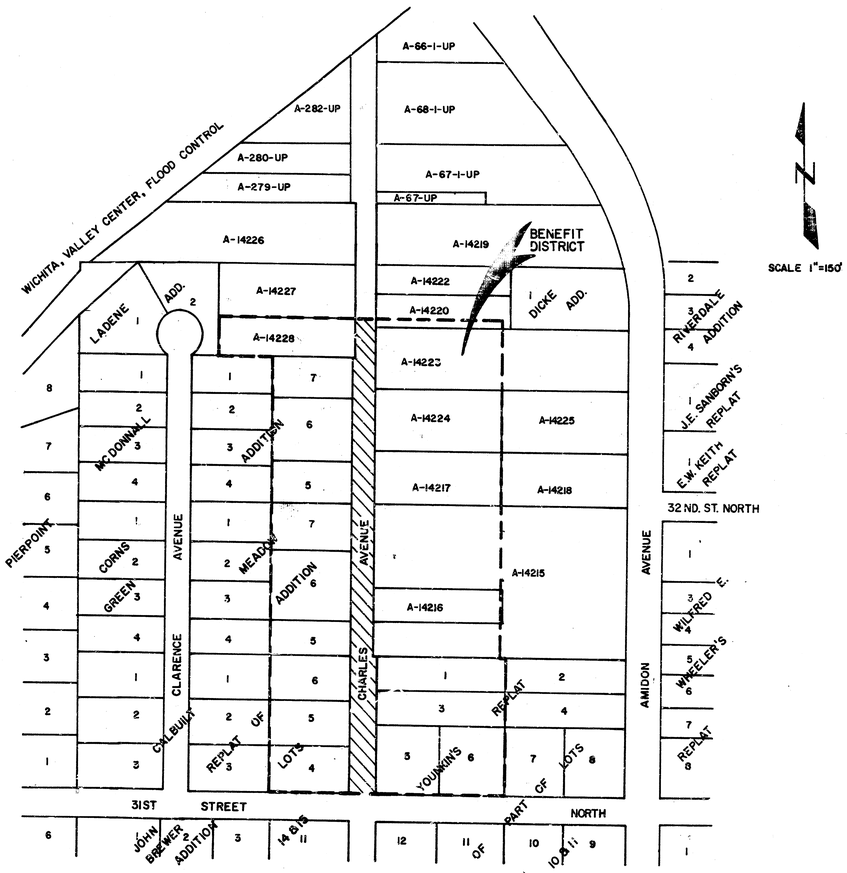
10. ALL ENTRANCE AND CROSS ROAD PIPE WITHIN THE PROJECT LIMITS SHALL BE REMOVED BY THE CONTRACTOR UNLESS OTHERWISE NOTED ON THE PLANS. REMOVAL OF SUCH PIPES SHALL CONFORM TO THE APPLICABLE SECTION OF THE STANDARD SPECIFICATIONS.

11. CONTRACTOR SHALL GIVE PROPERTY OWNERS ABUTTING THIS PROJECT, WHOSE YARDS WILL BE LOWER THAN THE NEW FINISHED GRADE ELEVATIONS AT THE RIGHT-OF-WAY LINE, AN OPPORTUNITY TO UTILIZE EXCESS EXCAVATED MATERIAL FROM THE PROJECT TO RESHAPE THEIR YARDS TO DRAIN TO THE NEW PAVEMENT. CONTRACTOR WILL BE REQUIRED TO DUMP AND SPREAD THE EXCESS MATERIAL AS REQUIRED BY THE SPECIFICATIONS WHEN REQUESTED BY THE PROPERTY OWNER. THE CONTRACTOR SHALL ASCERTAIN THAT A DIRT ORDER FORM HAS BEEN PROPERLY EXECUTED BY THE PROPERTY OWNER BEFORE ANY SUCH EXCESS MATERIAL IS DELIVERED TO SUCH PROPERTIES.

12. THE CONTRACTOR WILL BE PERMITTED TO BID ONLY ONE OF THE ALTERNATE TYPES OF SUBGRADE TREATMENT. THE TYPE BID BY THE SUCCESSFUL BIDDER WILL BE THE TYPE OF SUBGRADE TREATMENT USED TO CONSTRUCT THE PROJECT.

13. 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 OR A LICENSED PROFESSIONAL ENGINEER IN ACCORDANCE WITH STATE LAWS.

14. THE CONTRACTOR SHALL GIVE ALL PROPERTY OWNERS AND/OR TENANTS OF DEVELOPED PROPERTY ABUTTING THE PROJECT LIMITS A MINIMUM OF TEN (10) DAYS ADVANCE NOTICE PRIOR TO START OF CONSTRUCTION.



SCALE 1"=150'

DRAWING INDEX

SHEET	TITLE
1	MAP AND BENEFIT DISTRICT
2	TYPICAL 31' PAVEMENT DETAILS
3	PLAN CHARLES AVENUE
4	PLAN CHARLES AVENUE
5 45A	DETAIL STANDARD TYPE IA CURB INLET
6	CROSS SECTIONS CHARLES AVENUE

LEGEND

○W	WATER METER
○G	GAS METER
⋈	WATER VALVE
●TP	TELEPHONE POLE
●PP	POWER POLE
●LPP	LIGHT & POWER POLE
□	MAIL BOX
— — 6" — W —	WATER LINE & SIZE
— — 2" — G —	GAS LINE & SIZE
x 4' x CH x LK	CHAIN LINK FENCE & HEIGHT
x 6' x WD x	WOODEN FENCE & HEIGHT
℄	PROPERTY LINE

ROBERT L. CASTLE LICENSED 4123 KANSAS PROFESSIONAL ENGINEER

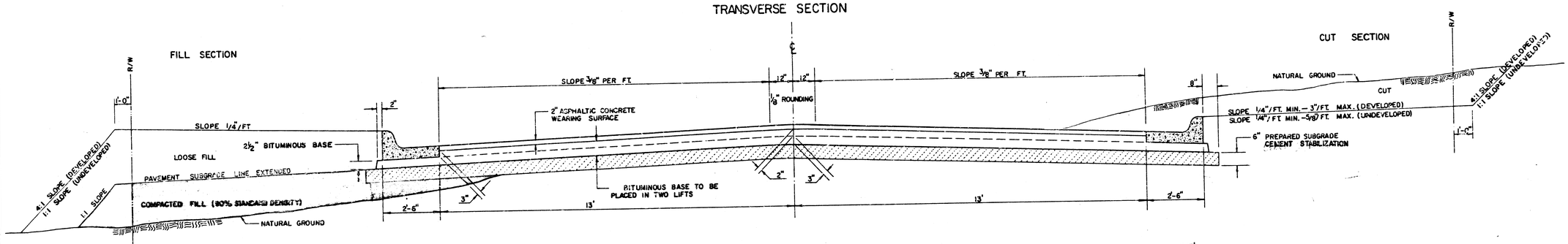
WICHITA, KANSAS
STREET IMPROVEMENTS
MAP AND BENEFIT DISTRICT
CHARLES AVENUE
PROJECT NO. 472-76-245-81854-000-000-001

CASTLE & ASSOCIATES ENGINEERS WICHITA, KANSAS	DSG JDR DR JDR CH LJK APP	DWG FILE NO. 8838-D-80,085
DATE MARCH 1989	SHEET NO. 1 OF 6	REV.

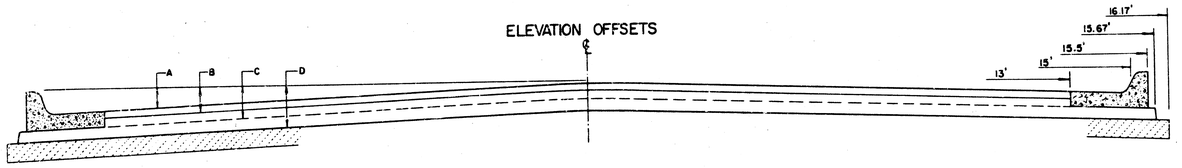
7 plan sheet

TYPICAL 31' PAVEMENT DETAILS

TRANSVERSE SECTION

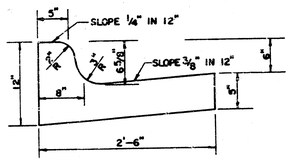


ELEVATION OFFSETS

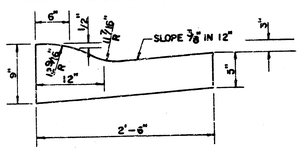


	DISTANCE FROM CENTERLINE (LT. & RT.)											
	0'	2'	4'	6'	7.5'	10'	12'	13'	15'	15.5'	15.67'	16.17'
A: TOP OF CURBS TO TOP OF SURFACE LIFT	0.10	0.14	0.21	0.27	0.32	0.39	0.46	0.49	—	—	—	—
B: TOP OF CURBS TO TOP OF UPPER BASE LIFT	0.27	0.31	0.38	0.44	0.49	0.56	0.63	0.66	—	—	—	—
C: TOP OF CURBS TO TOP OF LOWER BASE LIFT	0.44	0.49	0.57	0.64	0.70	0.79	0.87	0.90	0.98	1.00	1.00	—
D: TOP OF CURBS TO TOP OF SUBGRADE	0.69	0.73	0.80	0.87	0.93	1.01	1.08	1.12	1.19	1.21	1.21	1.23

COMBINED CURB & GUTTER



ROLL TYPE COMBINED CURB & GUTTER



GENERAL NOTES

1) THE ASPHALTIC CONCRETE PAVEMENT BETWEEN THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 7" ASPHALTIC CONCRETE (5" BITUMINOUS BASE).

2) THE BITUMINOUS BASE UNDER AND BEHIND THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 2 1/2" BITUMINOUS BASE.

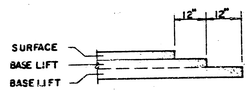
3) A TACK COAT OF EMULSIFIED ASPHALT (SC-1H OR CSS-1H) SHALL BE APPLIED AT AN APPROXIMATE RATE OF 0.05 GALLONS PER SQUARE YARD BETWEEN EACH LIFT OF ASPHALTIC MATERIAL.

4) BITUMINOUS BASE AND ASPHALTIC CONCRETE WEARING SURFACE SHALL BE PLACED WITH A LAYDOWN MACHINE HAVING AUTOMATIC CONTROLS FOR LINE AND GRADE.

5) CONSTRUCTION JOINTS IN EACH LIFT SHALL BE STAGGERED A MINIMUM DISTANCE OF ONE (1) FOOT FROM JOINTS IN PRECEDING LIFTS AND PLACED SO THAT A JOINT WILL BE CONSTRUCTED ON THE CENTERLINE OF THE TOP LIFT.

6) CONTRACTOR TO BID ONLY ONE SUBGRADE TREATMENT ALTERNATE WHEN ALTERNATES ARE PROVIDED IN THE PROPOSAL AND CONTRACT. THE ALTERNATE CHOSEN BY THE SUCCESSFUL BIDDER SHALL BE USED IN CONSTRUCTING THIS PROJECT.

TRANSVERSE CONSTRUCTION JOINTS



TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN FLEXIBLE BASE PAVEMENTS AT LOCATIONS WHERE PAVEMENT JOINS EXISTING FLEXIBLE BASE PAVEMENT AS SHOWN BY THE DETAIL. ALL COSTS ASSOCIATED WITH THE CONSTRUCTION OF THE TRANSVERSE JOINT SHALL BE INCLUDED IN THE BID PRICE FOR SQUARE YARDS 7" ASPHALTIC CONCRETE (5" BITUMINOUS BASE).

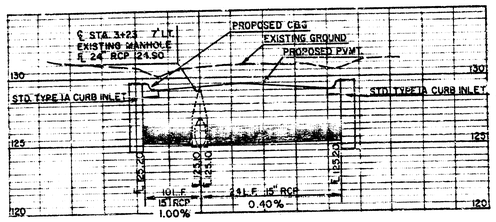
7 INCH RESIDENTIAL ASPHALTIC CONCRETE PAVEMENT WITH 5 INCH BITUMINOUS BASE

CITY OF WICHITA, KANSAS

PROJECT NUMBER 472-76-245-81554-000-000-001

8838-D-80,086

SHEET NO. 2 OF 6



STORM WATER SEWER PROFILE
℄ STA. 3+23

SCALE 1"=20'

STA. 0+02 17.5' LT
EXISTING WATER VALVE BOX ELEV. 130.75 = PROPOSED WATER VALVE BOX ELEV. 130.75.

0+00 0+50 1+00 1+50 2+00 2+50 3+00 +23 PVI ELEV. 129.60 NO V.C. 3+50 4+00 +47 PVI ELEV. 130.30 NO V.C. 5+00

−0.322% +0.567% −0.297%

CALBUILT REPLAT OF LOTS 14 & 15

STA. 0+5.80
ADJUST FROM 130.10, RING ELEVATION OF MANHOLE; ADJUST RING ELEV TO 130.51
E IN 24" RCP 124.10
E OUT 24" RCP 124.05

STA. 3+23
ADJUST FROM 129.70, RING ELEVATION OF MANHOLE; ADJUST RING ELEV. TO 129.26
E 15" RCP FROM (W) 125.10
E 15" RCP FROM (E) 125.10
EXISTING E 24" RCP 124.90

STA. 3+23 CONSTRUCT STD. TYPE IA CURB INLET (W=4'-4", L=6'-4") TOP ELEV. 129.60, E OUT 125.20, INSTALL 10 L.F. 15" RCP (E), SEE SHEET 5

STA. 3+23 CONSTRUCT STD. TYPE IA CURB INLET (W=4'-4", L=6'-4") TOP ELEV. 129.60, E OUT 125.20, INSTALL 24 L.F. 15" RCP (W), SEE SHEET 5

CORNS GREEN MEADOW ADDITION

BEGIN PROJECT MATCH EXISTING PAVEMENT

BEGIN FULL CROWN

REMOVE CONCRETE HEADER SUBSIDIARY TO 7" ASPHALT PAVEMENT

STA. 0+69 18' RT.
REMOVE 156 SQ. FT. (12'X13') DRIVEWAY PVMT.

YOUNKINS REPLAT OF PART OF LOTS 10 & 11

CONSTRUCT 7" ASPHALT PAVEMENT (5" BITUMINOUS BASE W/ COMBINED CURB AND GUTTER 6 5/8 & 1 1/2')

STA. 2+73 TO STA. 3+73 RELAY EXISTING 6" WATER LINE W/ MAX. DEFLECTION OF 5° PER JOINT TO CLEAR PROPOSED INLET SUBSIDIARY TO INLET CONSTRUCTION

A-14215 A-14216 A-14215

−0.390% +0.565% −0.308%

+23 PVI ELEV. 129.60 NO V.C.

+47 PVI ELEV. 130.30 NO V.C.

BENCHMARK:

BM 1 R.R. SPIKE IN WEST FACE OF POWER POLE ON THE NE CORNER OF CHARLES & 31 ST. STREET N. ELEV. 132.09

BM 2 R.R. SPIKE IN WEST FACE OF POWER POLE ON EAST SIDE OF CHARLES 60' ± NORTH OF END OF PROJECT ELEV. 131.82

EXCAVATION	1669.73 C.Y.
+10%	166.97 C.Y.
TOTAL	1836.70 C.Y.

MANIPULATION 3794 S.Y.

ROBERT L. CASTLE LICENSED 4123 KANSAS PROFESSIONAL ENGINEER

WICHITA, KANSAS
STREET IMPROVEMENTS

PLAN
CHARLES AVENUE
PROJECT NO. 472-76-245-81854-000- 000-001

CASTLE & ASSOCIATES ENGINEERS WICHITA, KANSAS

DSG DDR
DR DDR
CH LJK
APP

DWG FILE NO 8838-D-80,087

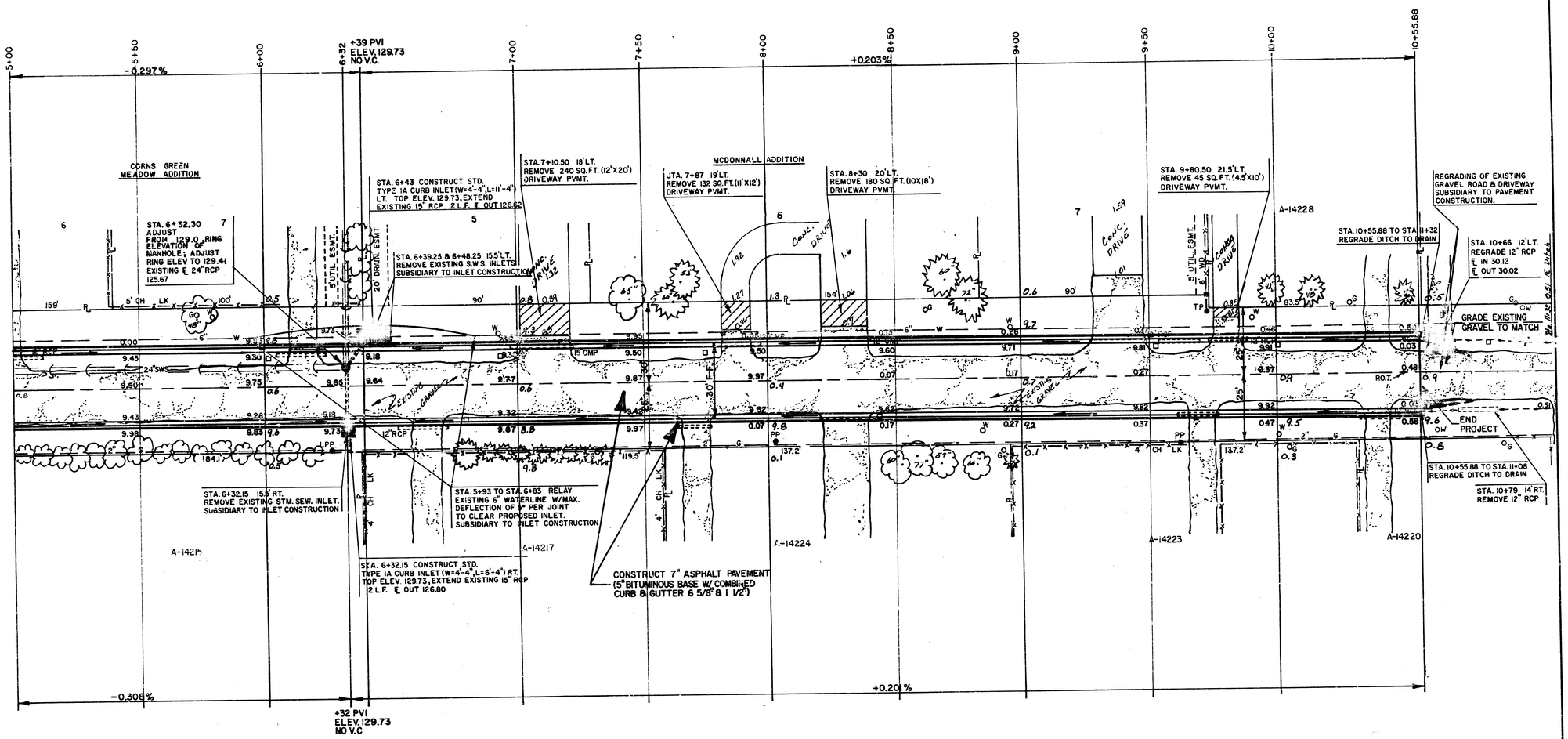
DATE MARCH 1989

SHEET NO. 3 OF 6

REV.

SCALE 1"=20'

P.O.T. STA. 10+50
1. 3/4" IRON PIPE 0.2' BELOW SURFACE ON ℄
2. CTR. TOP CH. LNK. FNC. CORNER POST — 32.00' SE
3. R.R. SPIKE IN WEST FACE HLP — 61.45' NNE
4. CORP. STOP ON GAS METER — 51.90' NNW
5. CORP. STOP ON GAS METER — 34.03' SW



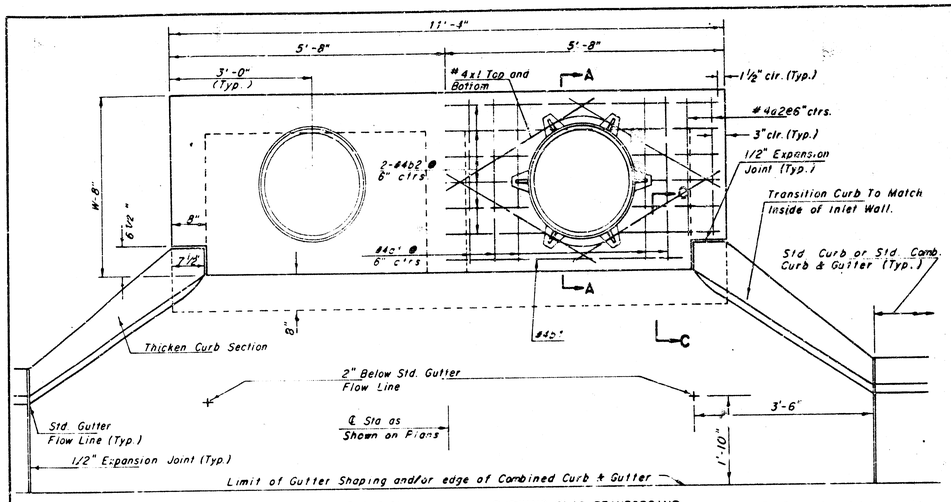
WICHITA, KANSAS
STREET IMPROVEMENTS

PLAN
CHARLES AVENUE
PROJECT NO. 472-76-245-81854-000-000-001

CASTLE & ASSOCIATES ENGINEERS WICHITA, KANSAS

DSG DDR	DWG FILE NO
DR CDR	8838-D-80,088
CH LJK	
APP	SHEET NO. 4 OF 6
DATE MARCH 1982	REV

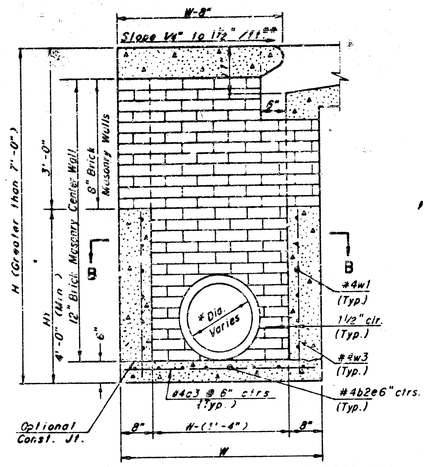
PROJECT NO.	SHEET NO.	TOTAL SHEETS



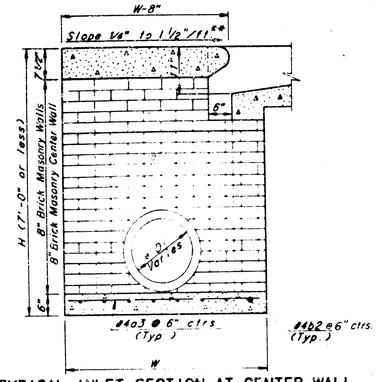
SLAB REINFORCING NOT SHOWN — SHOWING SLAB REINFORCING

PLAN

NOTE Expansion Joint only in Curb Area with Conc. Pavement.

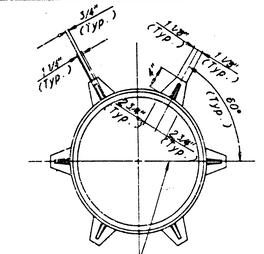


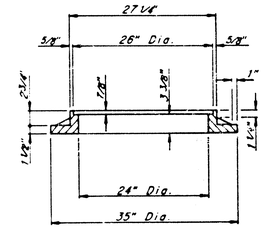
TYPICAL INLET SECTION AT CENTER WALL
(REINFORCED CONCRETE WALLS)



TYPICAL INLET SECTION AT CENTER WALL
(MASONRY WALLS)

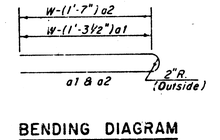
* A center wall opening shall be provided by means of a section of reinforced concrete pipe. See Case I and Case II Below.





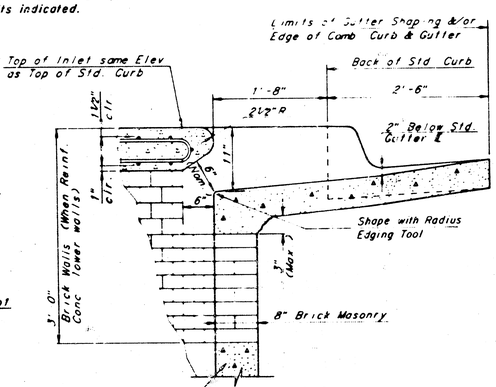
CAST IRON INLET RING
Wt.=180 lbs.

See City of Wichita Standard Manhole Frame and Cover Detail Sheet for Cover Details to be used with Inlet Frame.

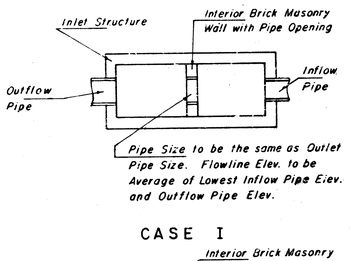


BENDING DIAGRAM

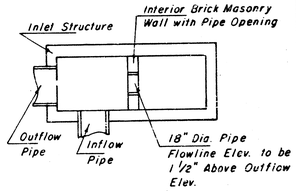
** NOTE : Slope of Inlet Tops to match Sidewalk or Parking Slopes within Limits indicated.



SECTION C-C

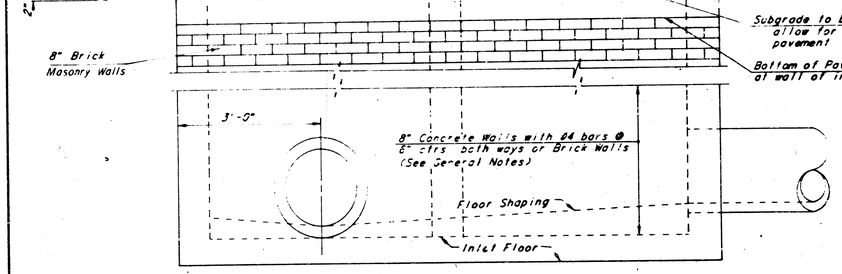


CASE I

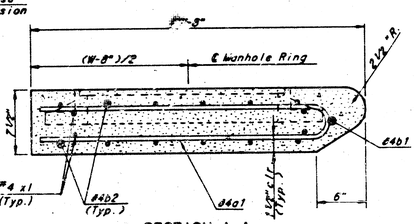


CASE II

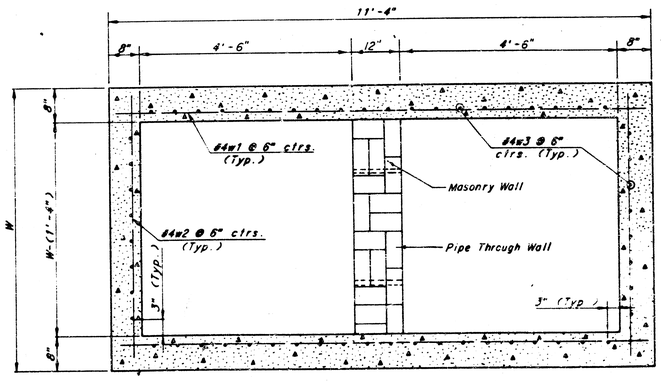
NOTE Center Wall Pipe Size shall be as Specified in Inlet Construction Notes on the Plan/Profile Sheets for those Cases not shown here.



ELEVATION



SECTION A-A



SECTION B-B

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	13	6'-7"	13	8'-7"	13	10'-7"	13	12'-7"	13	14'-7"
a2	#4	4	6'-0"	4	8'-0"	4	10'-0"	4	12'-0"	4	14'-0"
a3	#4	23	4'-1"	23	5'-1"	23	6'-1"	23	7'-1"	23	8'-1"
b1	#4	1	9'-9"	1	9'-9"	1	9'-9"	1	9'-9"	1	9'-9"
*b2	#4	23	11'-1"	23	11'-1"	35	11'-1"	41	11'-1"	47	11'-1"
x1	#4	16	3'-10"	16	4'-2"	16	4'-6"	16	4'-10"	16	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	11'-1"	①	11'-1"	①	11'-1"	①	11'-1"	①	11'-1"
w2	#4	①	4'-1"	①	5'-1"	①	6'-1"	①	7'-1"	①	8'-1"
w3*	#4	52	②	56	②	60	②	64	②	68	②

* Field bend or cut Reinforcing as required for clearance
① ℄(H1-12") (H1-12") Rounded down to nearest 0.5'
② H1-3"

GENERAL NOTES

1. THE CONTRACTOR SHALL BE REQUIRED TO CONSTRUCT 8" BRICK MASONRY WALLS BETWEEN THE CONCRETE INLET BASE AND TOP ON THIS INLET WHEN W=8'-4" OR LESS AND H=7'-0" OR LESS. WHEN W IS GREATER THAN 8'-4" AND H IS LESS THAN 7'-0" THE OUTSIDE INLET WALLS BELOW THE BRICK STACK SHALL BE REINFORCED CONCRETE CONSTRUCTION AND THE CENTER WALL SHALL BE OF MASONRY CONSTRUCTION AS SHOWN FOR THE MASONRY WALL OPTION.
2. 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.
3. 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.
4. INLET TOP REINFORCING SHALL BE SPACED ON 6" MAX. CENTERS. INLET LIDS SHALL BE NOTCHED OUT AS INDICATED TO FACILITATE CONSTRUCTION OF CURB BARS IN INLET TOP TO BE FIELD BENT OR CUT TO CLEAR MANHOLE RING.
5. THE ENDS OF ALL PIPES INSTALLED IN INLETS SHALL BE CUT OFF FLUSH WITH THE INSIDE FACE OF THE INLET WALL.

STANDARD CURB INLET PRECAST TOPS			
W	PRE-CAST TOP SIZE	SIDE OR INTERIOR WALL PIPE SIZE	CU. YD. CONC.
4'-4"	3'-8"x 11'-4"x 7 1/2"	21" & SMALLER	0.83 ±
5'-4"	4'-8"x 11'-4"x 7 1/2"	24" & 30"	1.09 ±
6'-4"	5'-8"x 11'-4"x 7 1/2"	36" & 42"	1.35 ±
7'-4"	6'-8"x 11'-4"x 7 1/2"	48" & 54"	1.61 ±
8'-4"	7'-8"x 11'-4"x 7 1/2"	60" & 66"	1.87 ±

~~REVISED 12-5-88~~ Revised 2 16 89 ~~REVISED 12-21-84~~

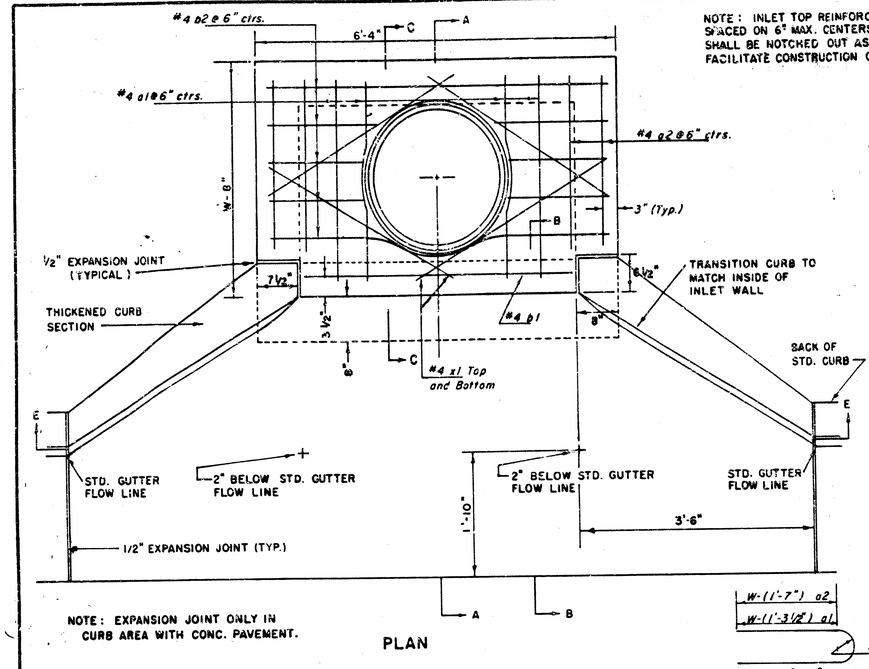
STANDARD TYPE 1A CURB INLET

INLET OPENING = 6"x10'-0"

PROJECT NO. 472-76-245-81854-000-000-001

8838-D-80,089 WICHITA, KANSAS SHEET NO 5 OF 6

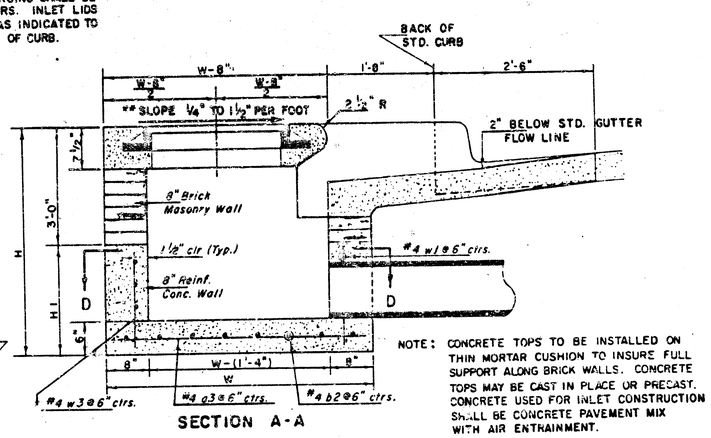
Designed by	BER, KJS, MMB	Checked by	MME
Drawn by	JOP	Date	Nov., 1984
		Job No.	



NOTE: EXPANSION JOINT ONLY IN CURB AREA WITH CONC. PAVEMENT.

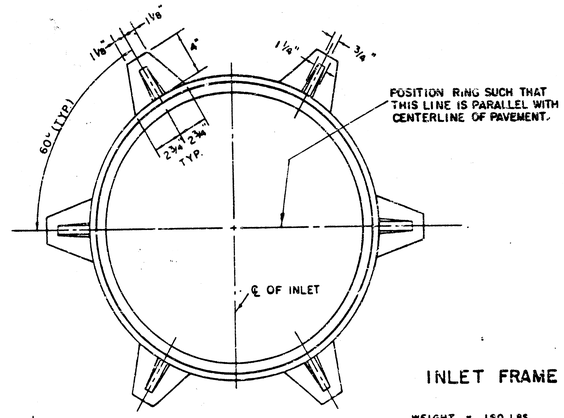
PLAN

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



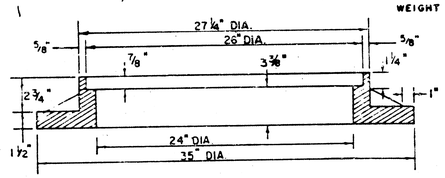
SECTION A-A

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 WITH AIR ENTRAINMENT.

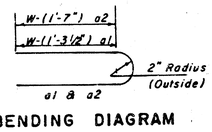


INLET FRAME

WEIGHT = 150 LBS.



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



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 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.

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"	8	8'-7"	6	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"
*b2	#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)

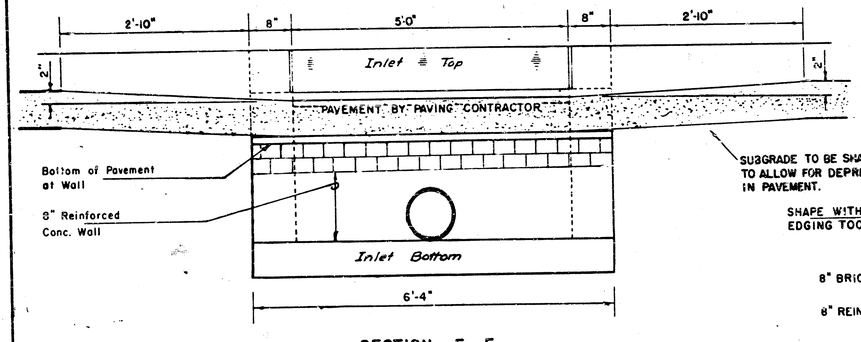
* Field bend or cut Reinforcing as required for clearance.

(1) 4(H1-12"); (H1-12") Round down to nearest 0.5'

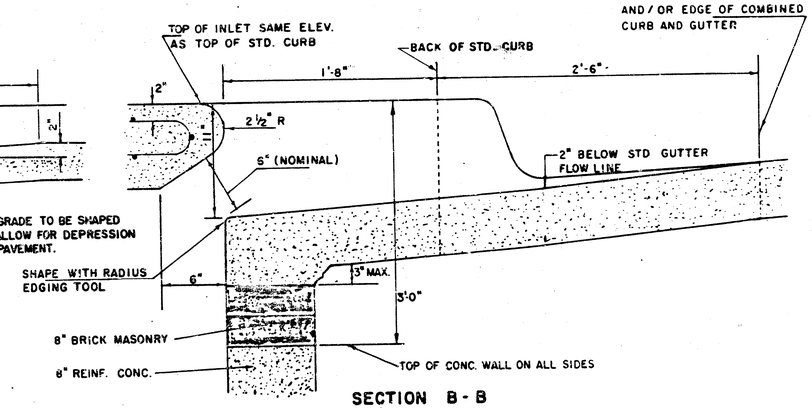
(2) H1-3"

STANDARD CURB INLET PRECAST TOPS

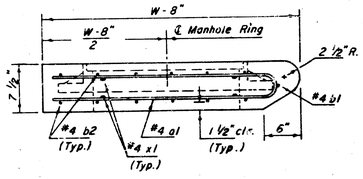
W	PRE-CAST TOP SIZE	PIPE SIZE	CU. YD. CONC.
4' 4"	3'8" x 6'4" x 7 1/2"	21" & SMALLER	0.38 ±
5' 4"	4'8" x 6'4" x 7 1/2"	24" & 30"	0.51 ±
6' 4"	5'8" x 6'4" x 7 1/2"	36" & 42"	0.64 ±
7' 4"	6'8" x 6'4" x 7 1/2"	48" & 54"	0.77 ±
8' 4"	7'8" x 6'4" x 7 1/2"	60" & 66"	0.90 ±



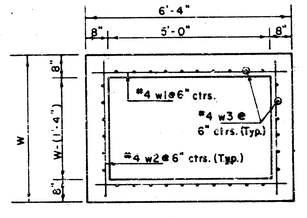
SECTION E-E



SECTION B-B



SECTION C-C



SECTION D-D

~~REVISED 11-30-1988~~

~~REVISED 12-31-1984~~ Revised 2-16-1989

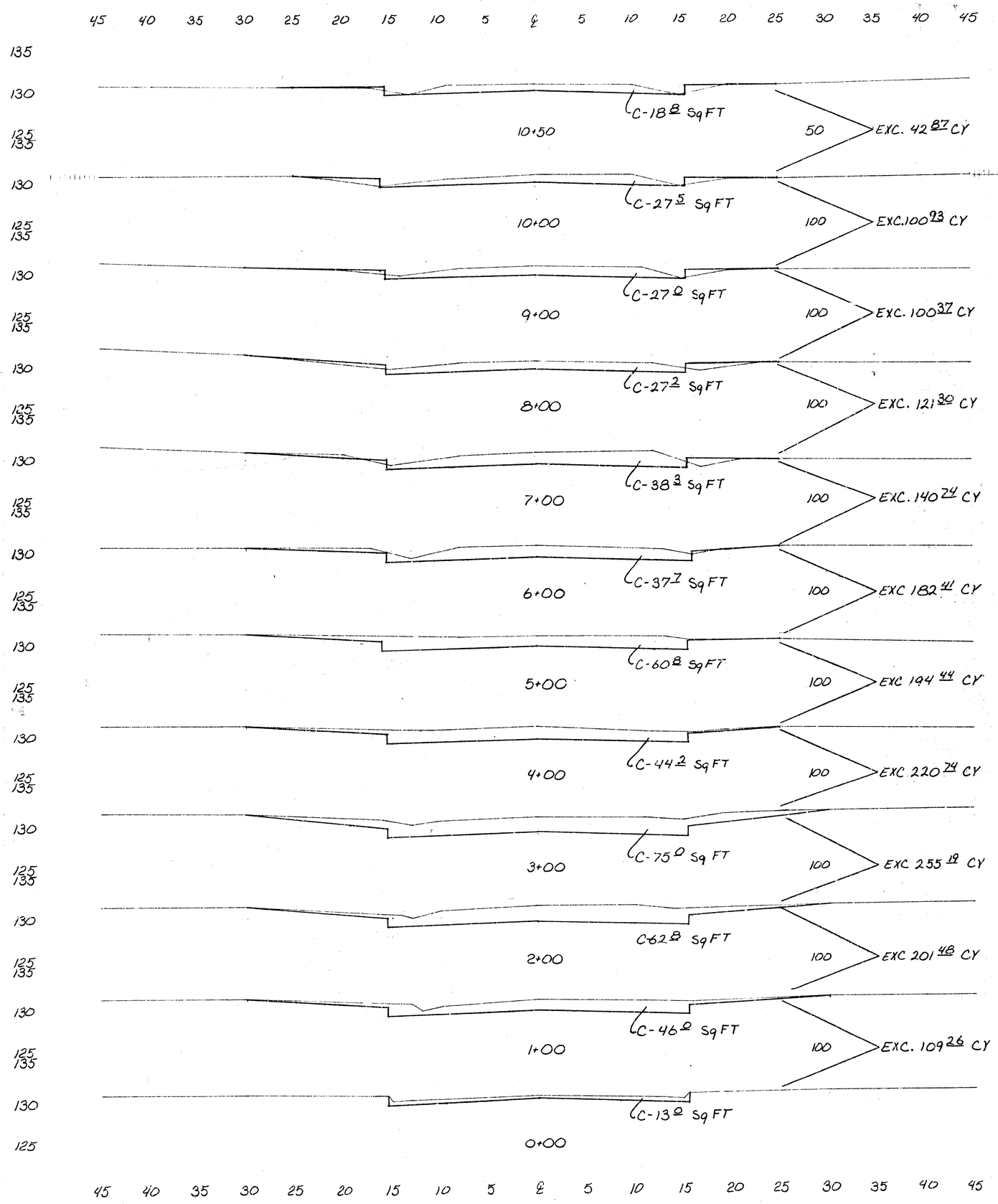
DETAIL STANDARD TYPE IA CURB INLET

CITY OF WICHITA, KANSAS

INLET OPENING = 6" × 5' 0"

JUNE 1984

5A/6"



WICHITA, KANSAS
STREET IMPROVEMENTS

CROSS SECTIONS
CHARLES AVENUE
PROJECT NO 472-76-245-8854-000-000-001

CASTLE & ASSOCIATES ENGINEERS WICHITA, KANSAS

DSG DDR
DR DDR
CH LAK
APP

DATE MARCH 1989

DWG. FILE NO. 8838-D-80,090

SHEET NO. 6 OF 6

REV —

ROBERT L. CASTLE 4123 LICENSED PROFESSIONAL ENGINEER

SHEET TOTAL
1669.73 CY EXCAVATION
10% 166.97
TOTAL 1836.70 CY EXCAVATION