STORM WATER SEWER PLANS FOR

STORM WATER SEWER #474

IN

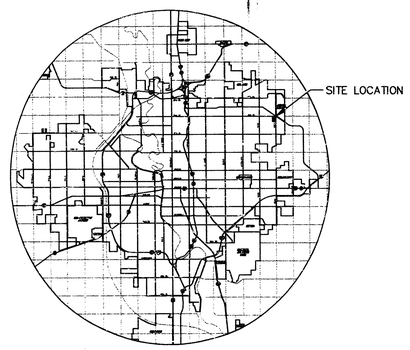
FOX POINTE SECOND ADDITION

AN ADDITION TO THE CITY OF WICHITA
SEDGWICK COUNTY, KANSAS

PROJECT NO. 468-82579

MICHAEL E. LINDEBAK, CITY ENGINEER

INDEX CODE 750794



LOCATION MAP

GENERAL NOTES

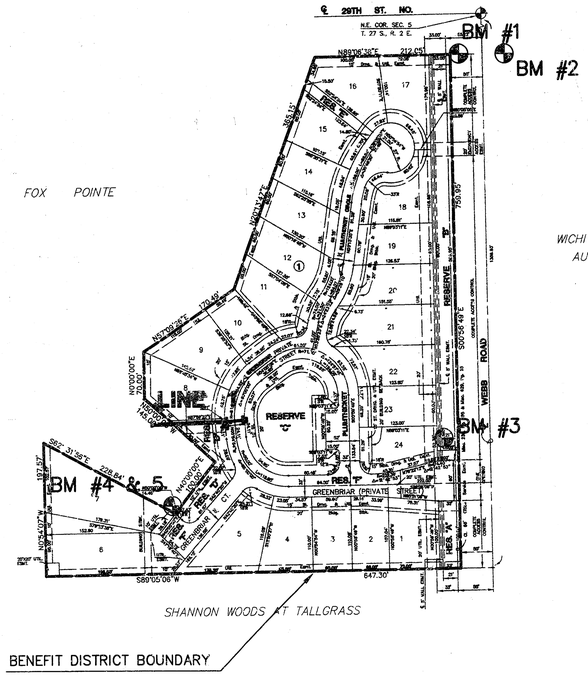
1. THE TOPS OF INLETS AND MANHOLES AS NOTED ON THE PLANS MAY VARY SO AS TO MEET PROPOSED TOP OF CURB ELEVATIONS OR PAVEMENT ELEVATIONS. THE FIELD ENGINEER SHALL LOCATE INLETS AND MANHOLES WITH REFERENCE TO PROPOSED PAVING PLANS OF THE PERTINENT STREETS.
2. ALL CONCRETE SHALL BE STANDARD PAVING MIX UNLESS OTHERWISE NOTED.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY IRONS. THE CONTRACTOR SHALL 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.
4. TREES TO BE REMOVED ARE MARKED ⊗. ALL TREES WHICH IN THE OPINION OF THE FIELD ENGINEER CAN BE SAVED, SHALL BE SAVED.
5. CONTRACTOR SHALL NOTIFY UTILITY COMPANIES OF CONSTRUCTION SCHEDULING.
6. 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 COMPANIES AND IS EITHER FROM COMPANY UTILITY DRAWINGS OR COMPANY PROVIDED FIELD LOCATIONS. THE PLAN LOCATIONS SHOWN ARE NOT GUARANTEED. ADDITIONAL EXISTING UTILITIES MAY ALSO BE ENCOUNTERED.
7. CONTRACTOR WILL BE REQUIRED TO PROVIDE A MINIMUM ADVANCE NOTICE OF FORTY-EIGHT (48) HOURS TO UTILITY COMPANIES 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 EMERGENCY:

CABLEVISION	263-2061
KG&E (GAS & ELECTRIC)	383-8600
SOUTHWESTERN BELL TELEPHONE COMPANY	1-800-734-7590
CITY OF WICHITA WATER & SEWER MAINTENANCE	268-4908
WILLIAMS NATURAL GAS	524-0491
	OR 1-800-324-9696 (AFTER 4 p.m.)

8. 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.
9. CONTRACTOR SHALL RESEED AND MULCH ALL DISTRUBED AREAS. COST SHALL BE CONSIDERED SUBSIDIARY TO SITE RESTORATION.



INDEX TO DRAWINGS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	LINE 1
3-4	INLET DETAILS
5	FINAL PLAT

N

SCALE: 1" = 100'

LEGEND

BENCHMARKS

BM #1 "□" CUT AT S.E. COR. RCBC UNDER WEBB RD. NEAR N.E. COR. FOX POINTE.
ELEV. = 219.65

BM #2 "□" CUT AT S.W. COR. RCBC UNDER WEBB RD. NEAR N.E. COR. FOX POINTE.
ELEV. = 218.92

BM #3 R.R. SPIKE IN P.P. 54' N. OF MAIN ENTRANCE TO FOX POINTE.
ELEV. = 223.55

BM #4 BURIED "T" POST 10' N. OF N.E. COR. OF LOT 7, FOX POINTE.
ELEV. = 214.79

BM #5 BURIED "T" POST 10' N. OF N.E. COR. OF LOT 7, FOX POINTE.
ELEV. = 219.65

BOOKED 9-24-96 MeG D-316

GREGORY J. ALLISON LICENSED PROFESSIONAL ENGINEER 11159 STATE OF KANSAS

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

FOX POINTE SECOND ADDITION
PROJECT NAME

STORM WATER SEWER PLANS
SHEET TITLE

GJA	KKL	GJA
DESIGN BY:	DRAWN BY:	CHECKED BY:
MAY 1996	95113_DT	1 / 5
DATE	JOB NO.	SHEET/OF

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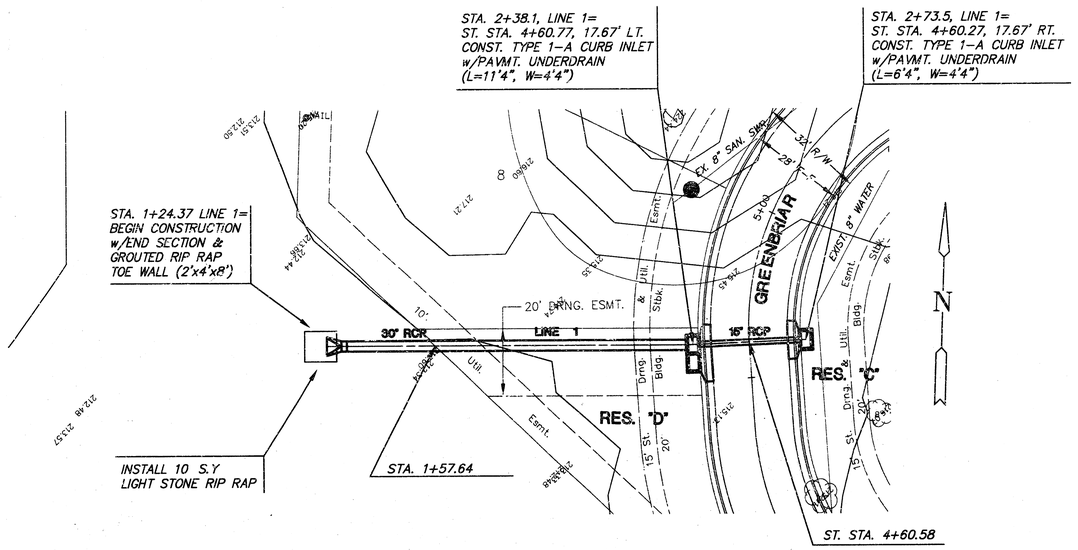
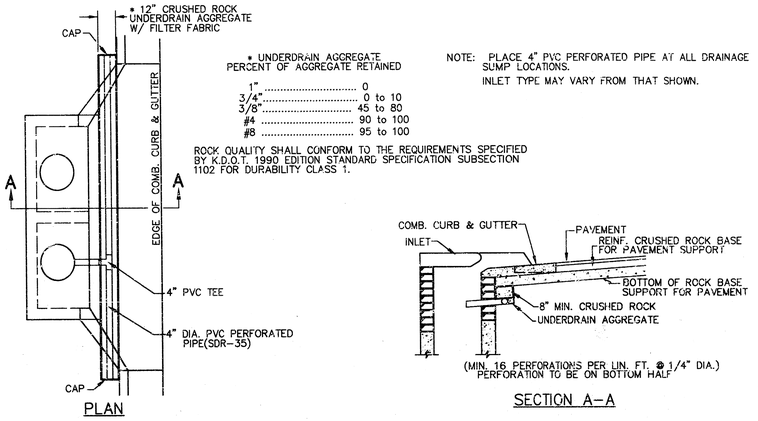
FOX POINTE SECOND
STORM WATER SEWER #474
PROJ. NO. 468-82579



PLAN LINE 1

SCALE: 1"=40'

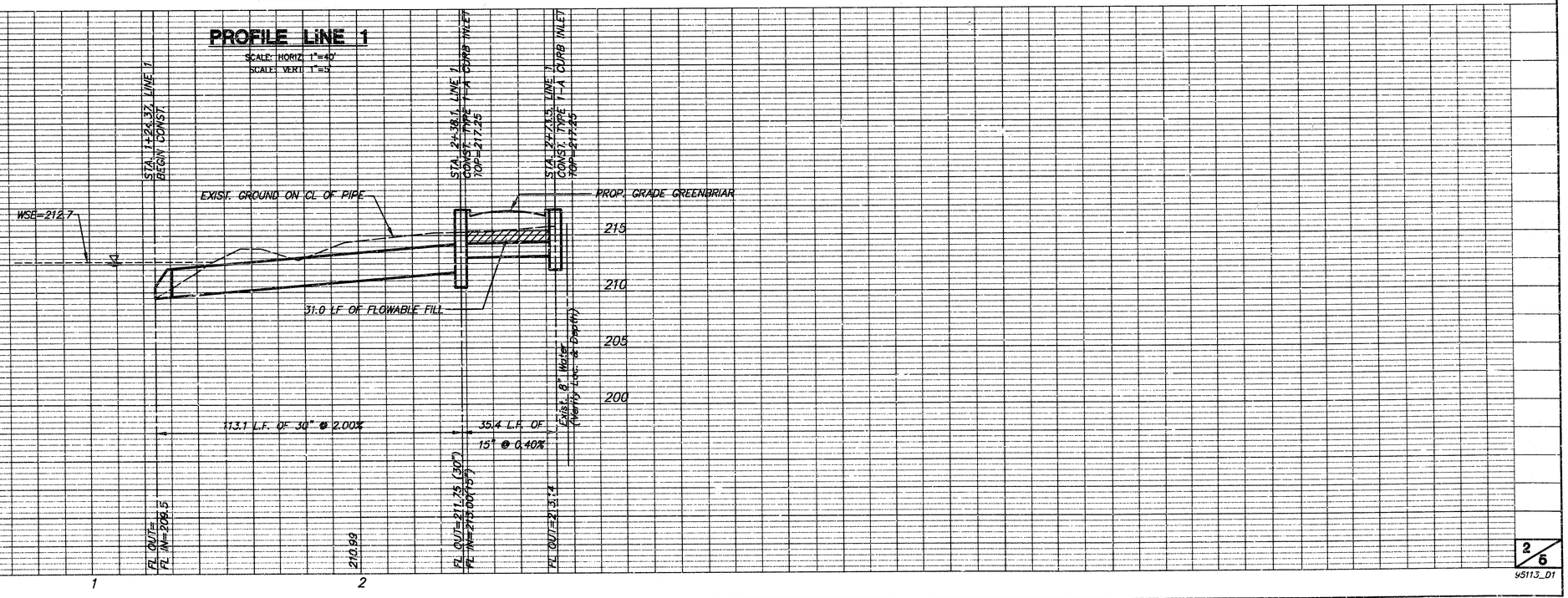


PAVEMENT UNDERDRAIN DETAIL

SCALE: NONE

PROFILE LINE 1

SCALE: HORIZ. 1"=40'
SCALE: VERT. 1"=5'



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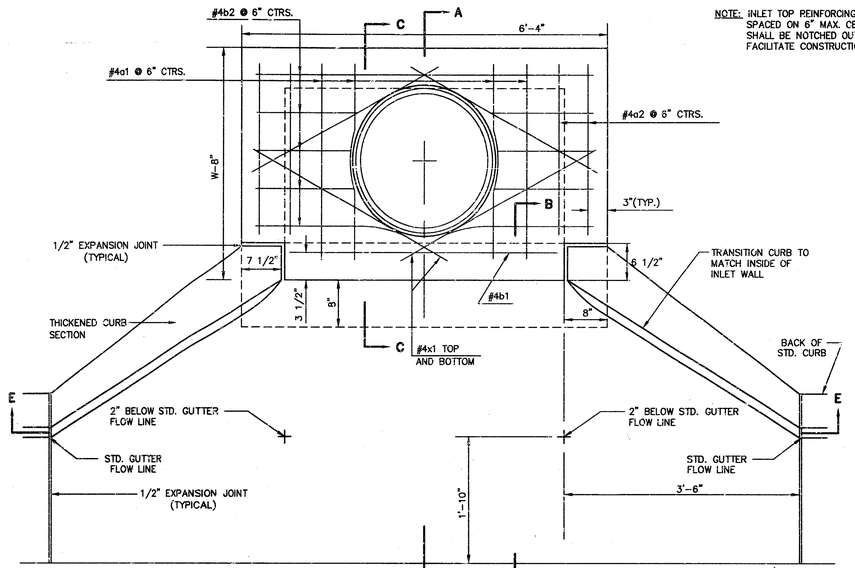
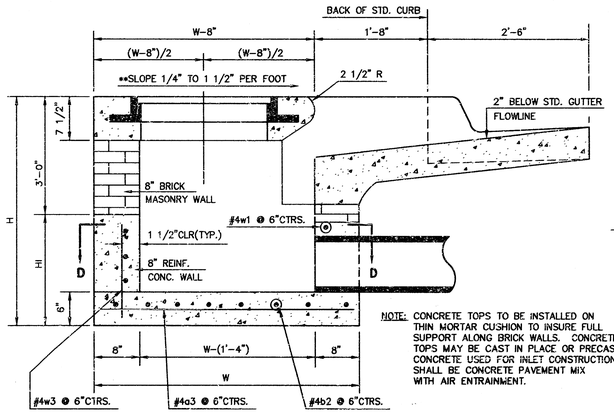


NOTE: EXPANSION JOINT ONLY IN CURB AREA WITH CONC. PAVEMENT.

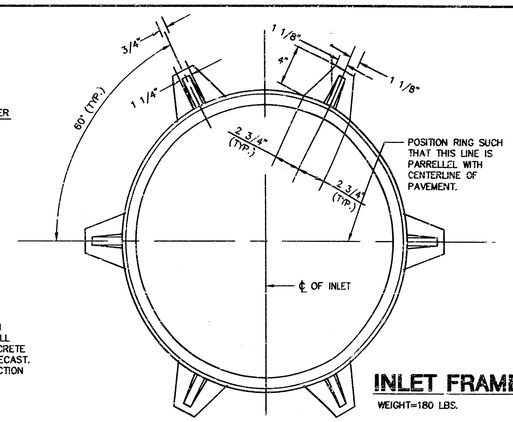
PLAN

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



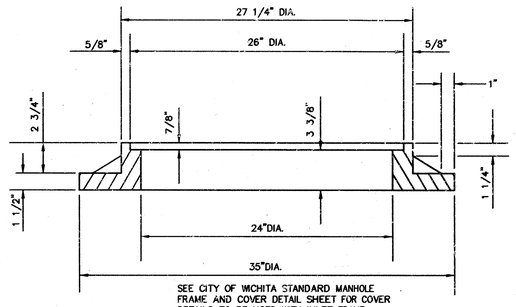
SECTION A-A

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=180 LBS.



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

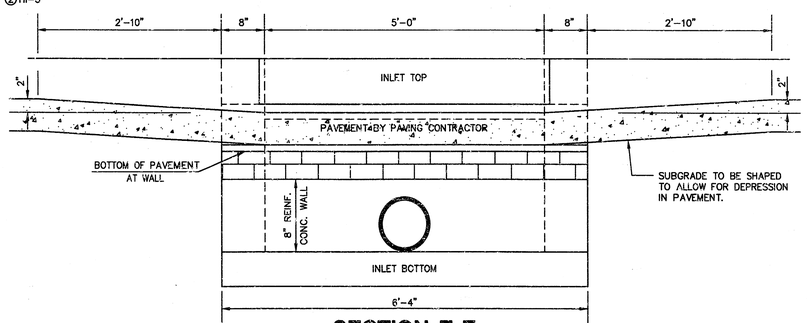
PRECAST SLAB AND FLOOR REINFORCING

		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"	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"
ab2	#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"

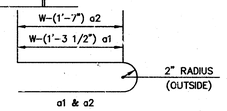
WALL REINFORCING

		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"



SECTION E-E



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.

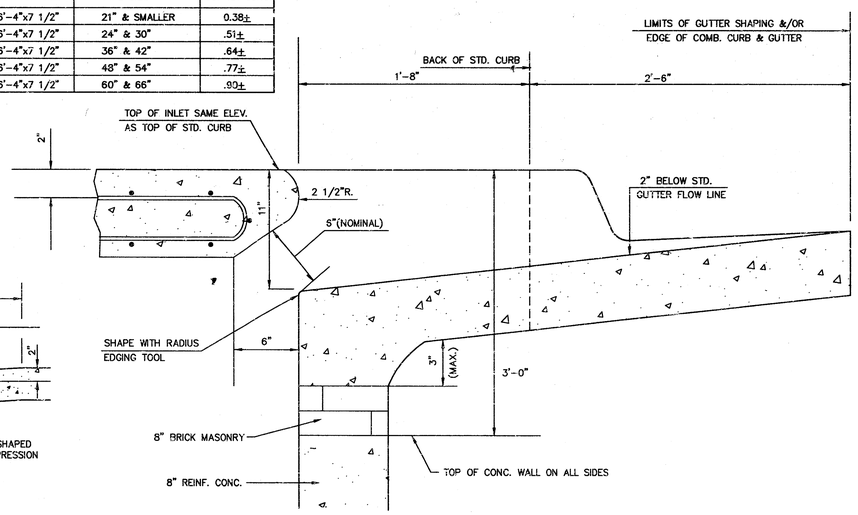
ADDITIONAL CURB AND GUTTER CONSTPUCTION NECESSARY TO CONNECT SET-BACK IN...T TO PAVEMENT WILL BE PAID FOR AT THE UNIT PRICE BID FOR EACH INLET HOOKUP.

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.

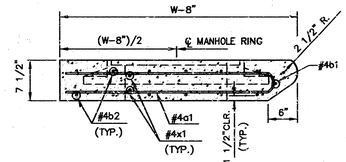
THE ENDS OF ALL PIPES INSTALLED IN INLETS SHALL BE CUT OFF FLUSH WITH THE INSIDE FACE OF THE INLET WALL.

STANDARD CURB INLET PRECAST TOPS			
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±

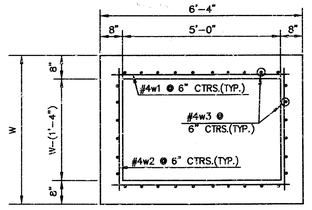
**NOTE: SLOPE OF INLET TOPS TO MATCH SIDEWALK OR PARKING SLOPES WITHIN LIMITS INDICATED.



SECTION B-B



SECTION C-C



SECTION D-D

REVISED: 2-16-89 C.O.W.

STANDARD TYPE 1A CURB INLET

INLET OPENING=6"x5'-0"

JUNE 1984

CITY OF WICHITA, KANSAS

Design C.O.W.	Checked by	Checked by	
Drawn by	Date	Date MAY 1996	Job No. 95113001

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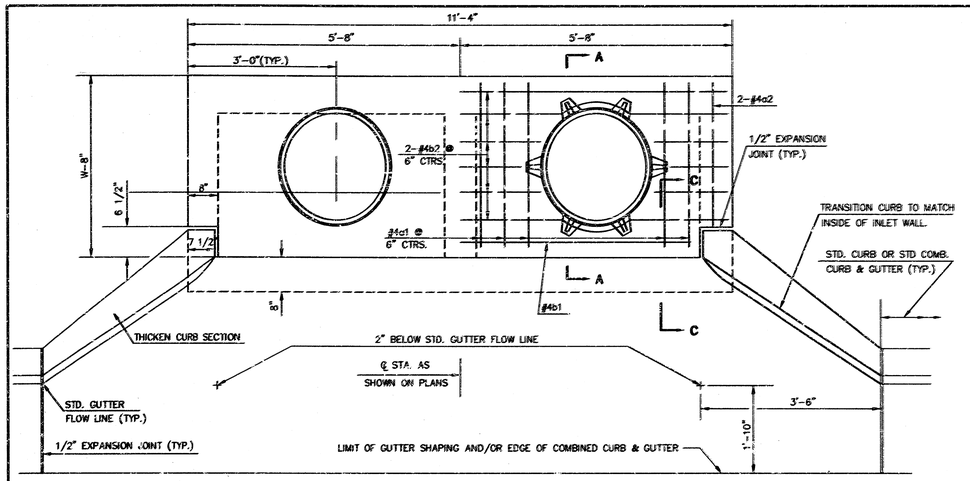
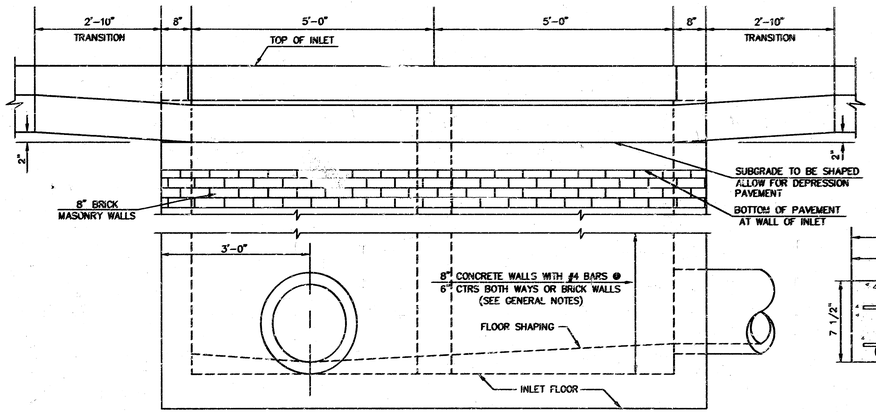
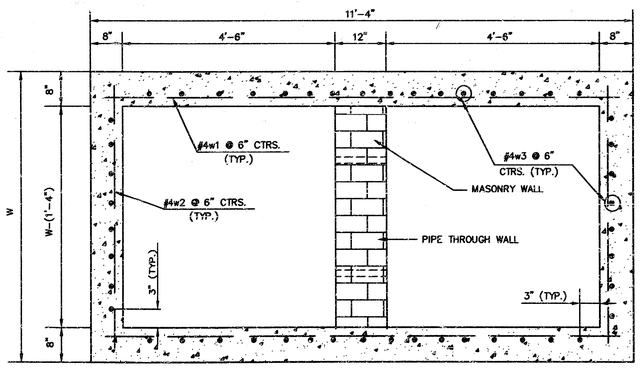


SLAB REINFORCING NOT SHOWN **PLAN** SHOWING SLAB REINFORCING

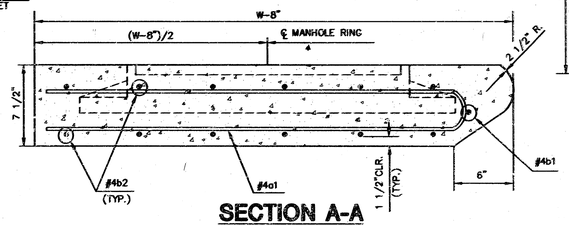
NOTE EXPANSION JOINT ONLY IN CURB AREA WITH CONCRETE PAVEMENT.



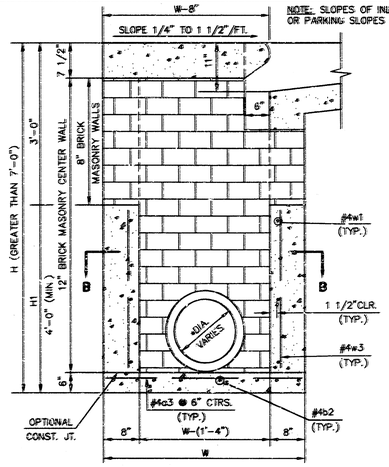
ELEVATION



SECTION B-B



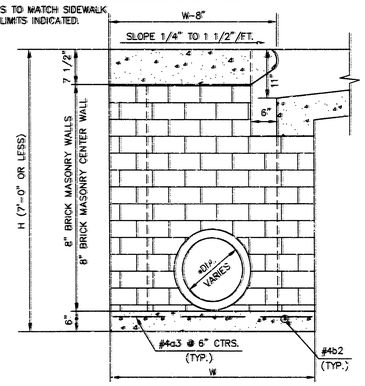
SECTION A-A



TYPICAL INLET SECTION AT CENTER WALL

(REINFORCED CONCRETE WALLS)

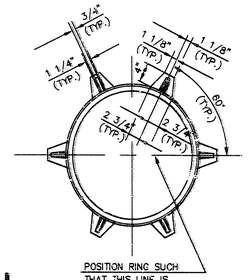
BENDING DIAGRAMS



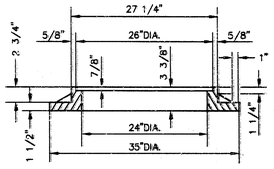
TYPICAL INLET SECTION AT CENTER WALL

(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.



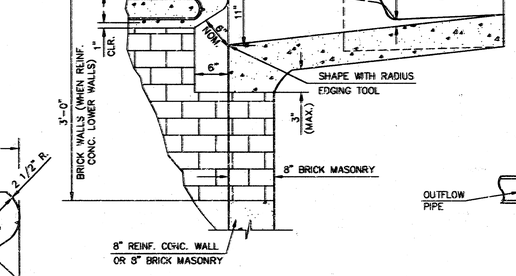
POSITION RING SUCH THAT THIS LINE IS PARALLEL WITH ℄ OF PAVEMENT



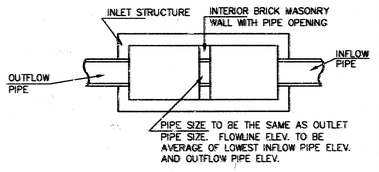
CAST IRON INLET RING

WT.±180 LBS.

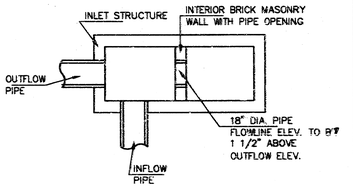
SEE CITY OF WICHITA STANDARD MANHOLE FRAME AND COVER DETAIL SHEET FOR COVER DETAILS TO BE USED WITH INLET FRAME.



SECTION C-C



CASE I



CASE II

NOTE: CENTER WALL PIPE SIZE SHALL BE AS SPECIFIED IN INLET CONSTRUCTION NOTE ON THE PLAN/PROFILE SHEETS FOR THOSE CASES NOT SHOWN HERE.

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 1/4"	13	8'-7 1/4"	13	10'-7 1/4"	13	12'-7 1/4"	13	14'-7 1/4"
a2	#4	2	6'-0"	2	8'-0"	2	10'-0"	2	12'-0"	2	14'-0"
a3	#4	20	4'-1"	20	5'-1"	20	6'-1"	20	7'-1"	20	8'-1"
b1	#4	1	9'-8"	1	9'-8"	1	9'-8"	1	9'-8"	1	9'-8"
*b2	#4	18	11'-1"	24	11'-1"	30	11'-1"	36	11'-1"	42	11'-1"

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
c1	#6	4	6'-1"	4	7'-1"	4	8'-1"	4	9'-1"	4	10'-1"
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	②	③	②	③	②	③	②	③	②	③

* FIELD BEND OR CUT REINFORCING AS REQUIRED FOR CLEARANCE
① 4(H1-6")+4 (H1-6") ROUNDED DOWN TO NEAREST 0.5'
② 40÷4(W-16")
③ H1÷(9")

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=6'-4" OR LESS AND H=7'-0" OR LESS. WHEN W IS GREATER THAN 6'-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. CONRETE 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"x11'-4"x7 1/2"	21" & SMALLER	0.83±
5'-4"	4'-8"x11'-4"x7 1/2"	24" & 30"	1.09±
6'-4"	5'-8"x11'-4"x7 1/2"	36" & 42"	1.35±
7'-4"	6'-8"x11'-4"x7 1/2"	48" & 54"	1.61±
8'-4"	7'-8"x11'-4"x7 1/2"	60" & 66"	1.87±

REVISED: 12-5-88 C.O.W.

STANDARD TYPE 1A CURB INLET

INLET OPENING=6"x10'-0"

NOV. 1984

CITY OF WICHITA, KANSAS

Design KSR KJS	Checked by	Checked by	
Drawn by	Date	Date MAY 1996	Job No. 95113002

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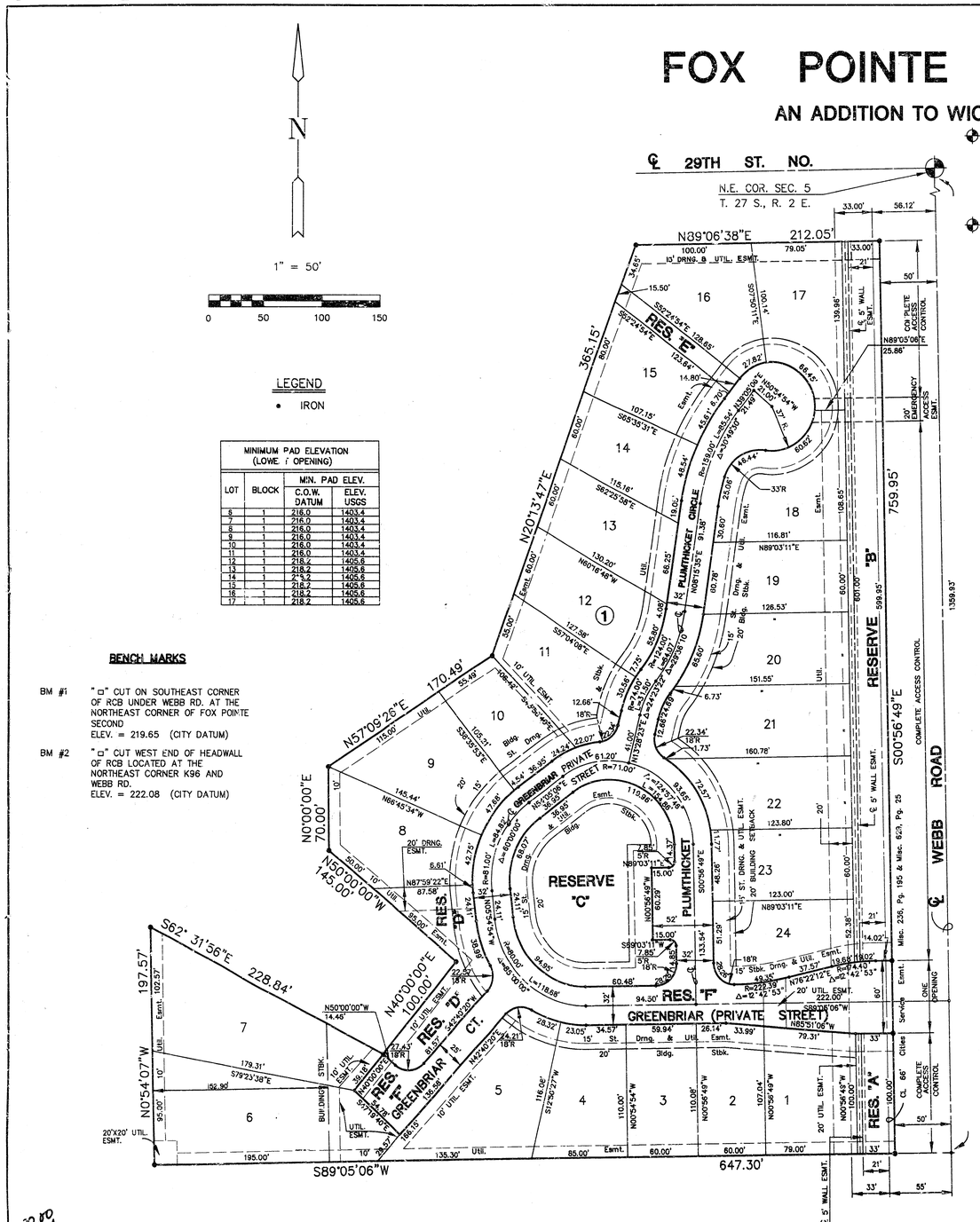
PC64 - 6

FINAL PLAT

FOX POINTE SECOND ADDITION

AN ADDITION TO WICHITA, SEDGWICK COUNTY, KANSAS


N
1" = 50'
0 50 100 150
LEGEND
• IRON
BM #2
BM #1
℄ 29TH ST. NO.
N.E. COR. SEC. 5
T. 27 S., R. 2 E.
N89°06'38"E 212.05'
33.00' 56.12'
100.00' 79.05'
10' DRNG. & UTIL. ESMT.
33.00'
21'
50'
15.50'
16
17
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1
18
19
20
21
22
23
24
RES. "E"
RES. "D"
RES. "F"
RES. "B"
RES. "A"
RESERVE "C"
PLUMTHICKET CIRCLE
GREENBRIAR PRIVATE STREET
GREENBRIAR CT.
WEBB ROAD
℄
759.95'
599.95'
1359.93'
365.15'
N20°13'47"E
170.49'
N57°09'26"E
N0°00'00"E 70.00'
N50°00'00"W 145.00'
S62° 31'56"E 228.84'
197.57'
N40°00'00"E 100.00'
N0°54'07"W
S89°05'06"W 647.30'
S0°56'49"E
139.98'
25.86'
N89°05'06"E
5' WALL ESMT.
COMPLETE ACCESS CONTROL
FOX PLATE ACCESS CONTROL
EMERGENCY ACCESS ESMT.
20' BUILDING SETBACK
15' ST. DRNG. & UTIL. ESMT.
Misc. 236, Pg. 195 & Misc. 623, Pg. 25
ONE OPENING
Service
Cities
CL 66'
100.00'
50'
33'
55'
21'
Easmt.
Drng. & Util.
Stbk.
Bldg.
St.
Dmg.
Util.
Bldg. Stbk.
Drng. & Stbk.
20' DRNG. ESMT.
10' UTIL. ESMT.
20'X20' UTIL. ESMT.
6' WALL ESMT.
N89°03'11"E 116.81'
N89°03'11"E 126.53'
N89°03'11"E 123.00'
N89°03'11"E 119.98'
N89°03'11"E 15.00'
N89°03'11"E 7.85'
N89°03'11"E 60.48'
N76°22'12"E 222.00'
N85°51'06"W 79.31'
S89°05'06"W 94.50'
S89°03'11"W 7.85'
S89°03'11"W 15.00'
N0°56'49"E 60.29'
N0°56'49"E 48.28'
N0°56'49"E 107.04'
N0°56'49"E 110.08'
N0°56'49"E 110.00'
N0°54'54"W 110.00'
N0°56'49"E 100.00'
S0°56'49"E 60.00'
S0°56'49"E 52.38'
S0°56'49"E 51.29'
S0°56'49"E 48.28'
S0°56'49"E 72.57'
S0°56'49"E 83.65'
S0°56'49"E 74.37'
S0°56'49"E 60.00'
S0°56'49"E 60.00'
S0°56'49"E 79.00'
S0°56'49"E 60.00'
S0°56'49"E 60.00'
S0°56'49"E 60