

PRIVATE STORM WATER SEWER

TO SERVE

FOLIAGE CENTER ADDITION

PROJECT NO. 0183PPD

THE CITY OF WICHITA, KANSAS
GARY JANZEN, P.E. - CITY ENGINEER

OCA NO. 607861

GREGORY J. ALISON
LICENSED PROFESSIONAL ENGINEER
KANSAS
11159
7/11/13

GENERAL NOTES

- UNLESS SHOWN OR OTHERWISE STATED ON THESE DRAWINGS, MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF WICHITA STANDARD SPECIFICATIONS.
- 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.
- ALL CONCRETE SHALL BE STANDARD PAVING MIX UNLESS OTHERWISE NOTED.
- 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.
- TREES TO BE REMOVED ARE MARKED \otimes . ALL TREES WHICH IN THE OPINION OF THE FIELD ENGINEER CAN BE SAVED, SHALL BE SAVED.
- CONTRACTOR SHALL NOTIFY UTILITY COMPANIES OF CONSTRUCTION SCHEDULING.
- 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.
- CONTRACTOR WILL BE REQUIRED TO PROVIDE A MINIMUM ADVANCE NOTICE OF SEVENTY-TWO (72) HOURS TO UTILITY COMPANIES TO STARTING ANY EXCAVATION AS FOLLOWS:

KANSAS ONE-CALL OR LOCAL WICHITA	800-344-7233 687-2470
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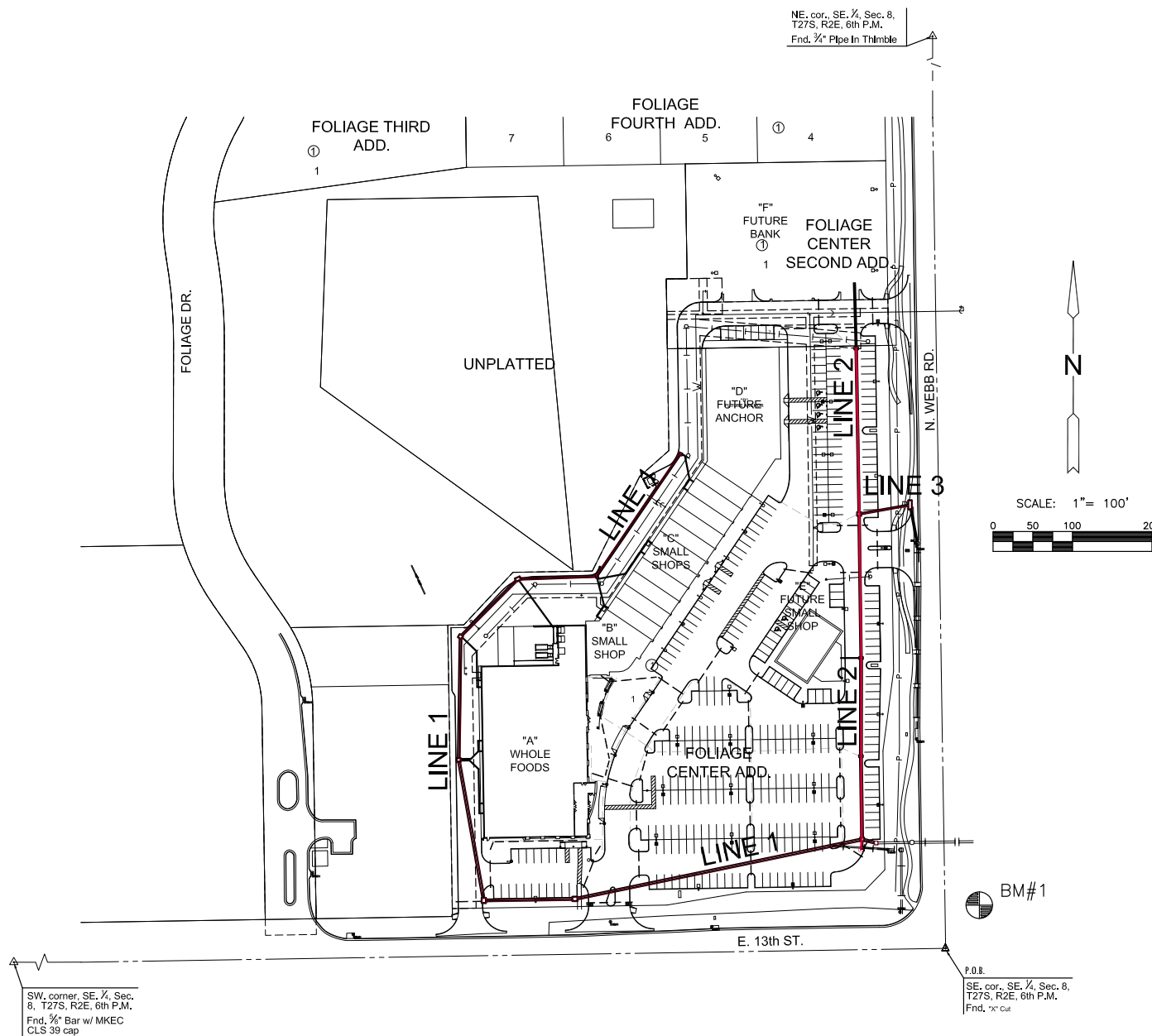
THE CONTRACTOR MUST NOTIFY THE FOLLOWING IN CASE OF EMERGENCY:

COX COMMUNICATIONS (CABLE)	262-0661
WESTAR (ELECTRIC)	383-8600
KANSAS GAS SERVICE (GAS)	832-3101
SBC (TELEPHONE)	800-870-8390
CITY OF WICHITA WATER & SEWER	262-6000
- 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.
- CONTRACTOR TO COORDINATE WORK WITH OTHER UTILITY AND/OR PAVING CONTRACTORS ON SITE.
- CONTRACTOR SHALL RESEED AND MULCH ALL DISTURBED AREAS. COST SHALL BE CONSIDERED SUBSIDIARY TO SITE RESTORATION. SEE SHEET
- CONTRACTOR TO REFER TO SWPP FILED ON SITE FOR EROSION/SEDIMENT CONTROL.
- CONTRACTOR TO REFER TO THE GEOTECHNICAL REPORT FOR BACKFILL REQUIREMENTS.
- WORK DONE UNDER THIS PROJECT IS SUBJECT TO THE CITY OF WICHITA REQUIREMENTS FOR "CONSTRUCTION OF INFRASTRUCTURE IMPROVEMENTS BY PRIVATE CONTRACT." THE CONTRACTOR SHALL BE FAMILIAR AND COMPLY WITH ALL OF THE REQUIREMENTS, INCLUDING BONDING, INSPECTION, TESTING, NOTIFICATION, PROVIDING AS-BUILT DRAWINGS, PAYING FOR ALL NECESSARY CONNECTIONS AND/OR STREET REPAIR FEES AND PROVIDING PIPE MATERIAL AND OTHER CERTIFICATIONS.

NEW DEVELOPMENT

DISTURBED AREA= 8.56 AC.
IMPERVIOUS AREA= 7.42 AC.
DETENTION= N/A
WQ_v = 0.73 AC.-FT.
CP_v = N/A

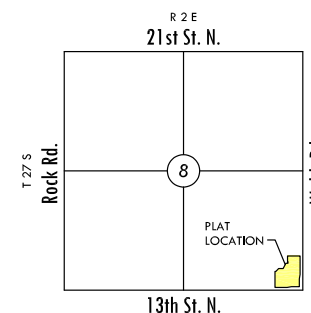
THIS OVERALL PROJECT SATISFIES CHAPTER 16-32 OF THE CITY CODE THROUGH TREATMENT PROVIDED BY THE BEECH LAKES



SW. corner, SE, 1/4, Sec. 8, T27S, R2E, 6th P.M.
Fnd. 3/4" Bar w/ MKEC
CLS 39 cap

P.O.B.
SE, cor., SE, 1/4, Sec. 8, T27S, R2E, 6th P.M.
Fnd. 3/4" ca

NE, cor., SE, 1/4, Sec. 8, T27S, R2E, 6th P.M.
Fnd. 3/4" Pipe in T1/4mble



VICINITY MAP

INDEX TO DRAWINGS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2-6	DETAILS
7-9	LINE 1
10-11	LINE 2
12	LINE 3
13-14	FINAL PLATS

BENCHMARKS

BM#1 Square cut on SW. corner of signal light pole base at NE. corner of Webb Rd. and 13th St. Elev.=1373.345 (NGVD 29)

APPROVED AS NOTED
BY CITY ENGINEER OF WICHITA,
BY STORMWATER DEPARTMENT

Engineering
Storm Water
(Public Works)

Julianne Kallman 7-16-13
Jim Handberg 7-16-13

NOTE TO CONTRACTORS

Public Property:

Inspection and testing for the storm water sewer 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 Professional Engineer licensed in the state of Kansas. No work shall be performed in dedicated easements or public rights-of-way by the Contractor without such inspection, nor shall any work be commenced without written authorization by the City Engineer. All construction and materials shall comply with the City of Wichita Specifications and Standards (on file and available in the City Engineer's Office).

AS-BUILT PLANS - JUNE 2014

INSPECTED BY: LARRY SCHALLER/GENE RATH, MKEC ENGINEERING, INC
CONSTRUCTED BY: PEARSON CONSTRUCTION, LLC
SUPERINTENDENT: STEVE HEIMBERG/JAMIE RODRIGUEZ

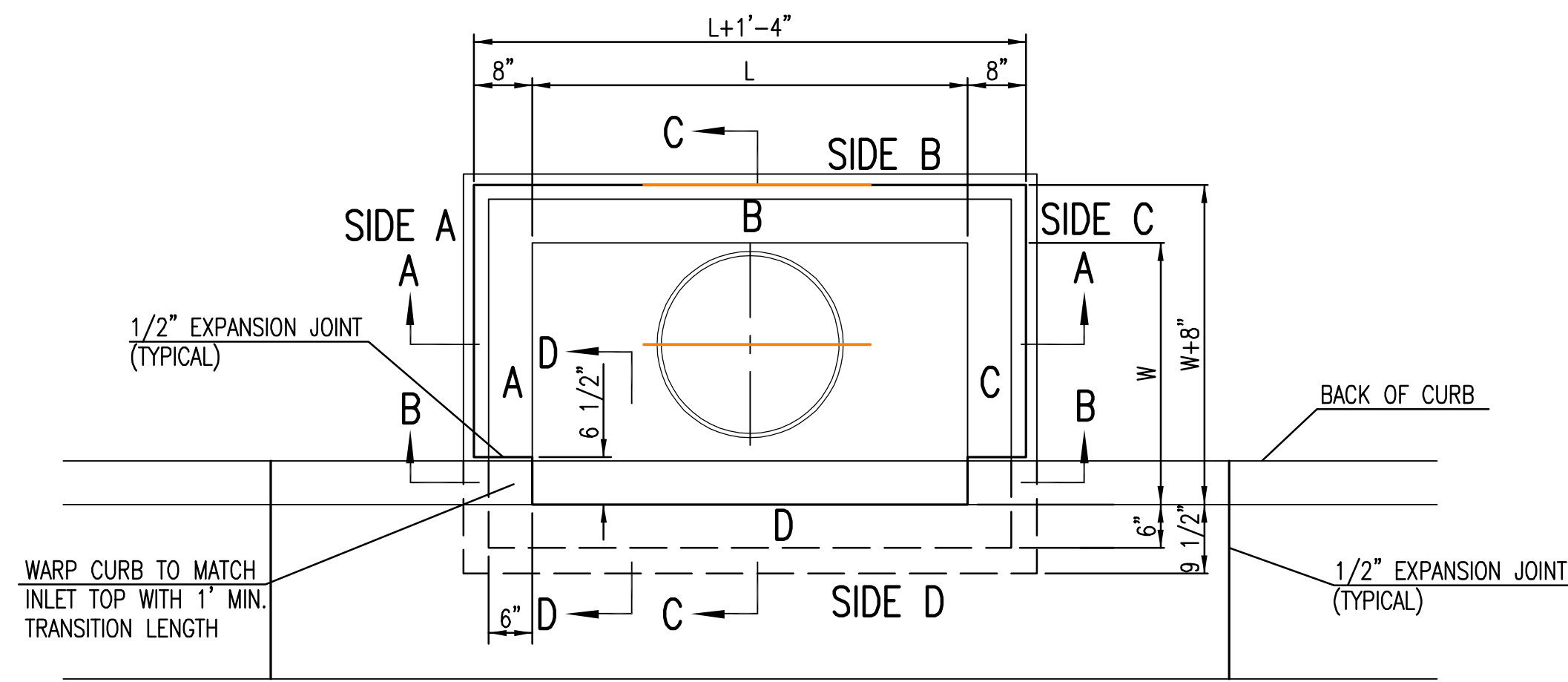
STORM WATER SEWER PLAN FOR
FOLIAGE CENTER ADDITION
WICHITA, KS

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TITLE SHEET

PROJECT NO.	0183PPD
DATE	JUNE 2013
SCALE	1"=100'
DESIGNED	SLF
DRAWN	SPE
CHECKED	GJA
#	###/##/##
NO.	REVISION DATE

SHEET NO.



TOP VIEW

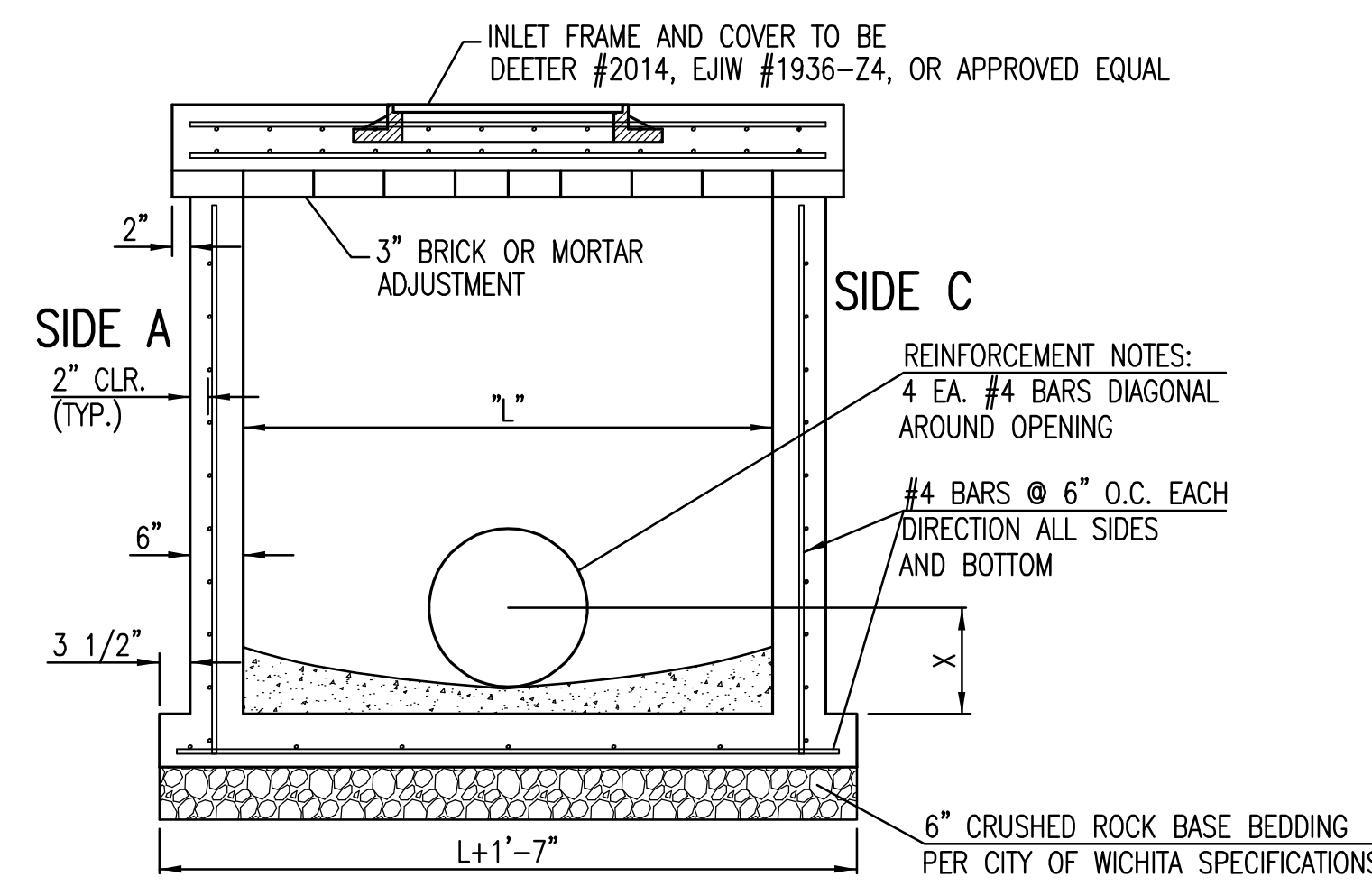
BAR SCHEDULE		
INLET OPENING	B1 BARS	SPACING
5'-0"	#4	4"
10'-0"	#6	3.5"

PRECAST CURB INLET WIDTHS				
W	PRE-CAST TOP SIZE			PIPE DIA.**
	WIDTH	LENGTH	TOP	
3'-0"	W+8"	L+1'-4"	7 1/2"	21" & SMALLER
4'-0"	W+8"	L+1'-4"	7 1/2"	24" & 30"
5'-0"	W+8"	L+1'-4"	7 1/2"	36" & 42"
6'-0"	W+8"	L+1'-4"	7 1/2"	48" & 54"
7'-0"	W+8"	L+1'-4"	7 1/2"	60" & 66"

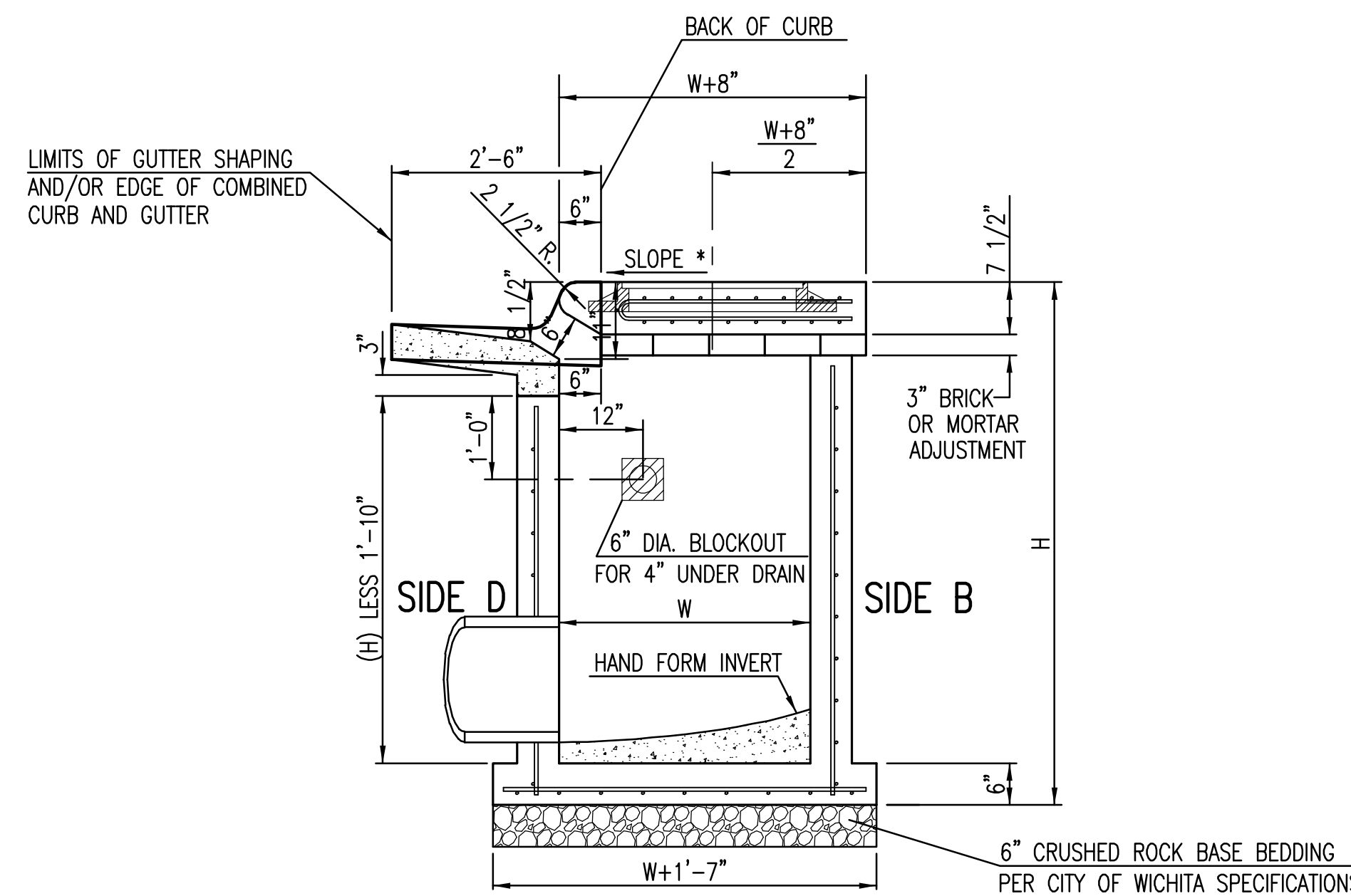
** FOR PIPES PERPENDICULAR TO INLET WALL

GENERAL NOTES

- CONCRETE TOPS TO BE INSTALLED ON THIN MORTAR CUSHION TO INSURE FULL SUPPORT ALONG BRICK. CONCRETE TOPS MAY BE CAST IN PLACE OR PRECAST. CONCRETE USED FOR INLET CONSTRUCTION SHALL CONFORM TO CITY OF WICHITA SPECIFICATIONS FOR CONCRETE PAVEMENT MIX.
- CONTRACTOR SHALL HAVE THE OPTION OF CONSTRUCTING 8" BRICK MASONRY WALLS BETWEEN THE CONCRETE INLET BASE AND TOP OF THIS INLET WHEN W=5'-0" AND H=7'-0" OR LESS.
- 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.
- INLET FRAME AND COVER TO BE DEETER #2014, EJIW #1936 Z4, OR APPROVED EQUAL, SEE SW-303.
- CONTRACTOR SHALL REMOVE LIFTING HOOKS AFTER INSTALLATION. RECESSES IN INLET WALL SHALL BE GROUTED FLUSH TO THE INLET WALL WITH HYDRAULIC CEMENT AFTER THE INLET IS IN PLACE. LIFTING HOLES THRU THE INLET WALL WILL NOT BE ACCEPTED.

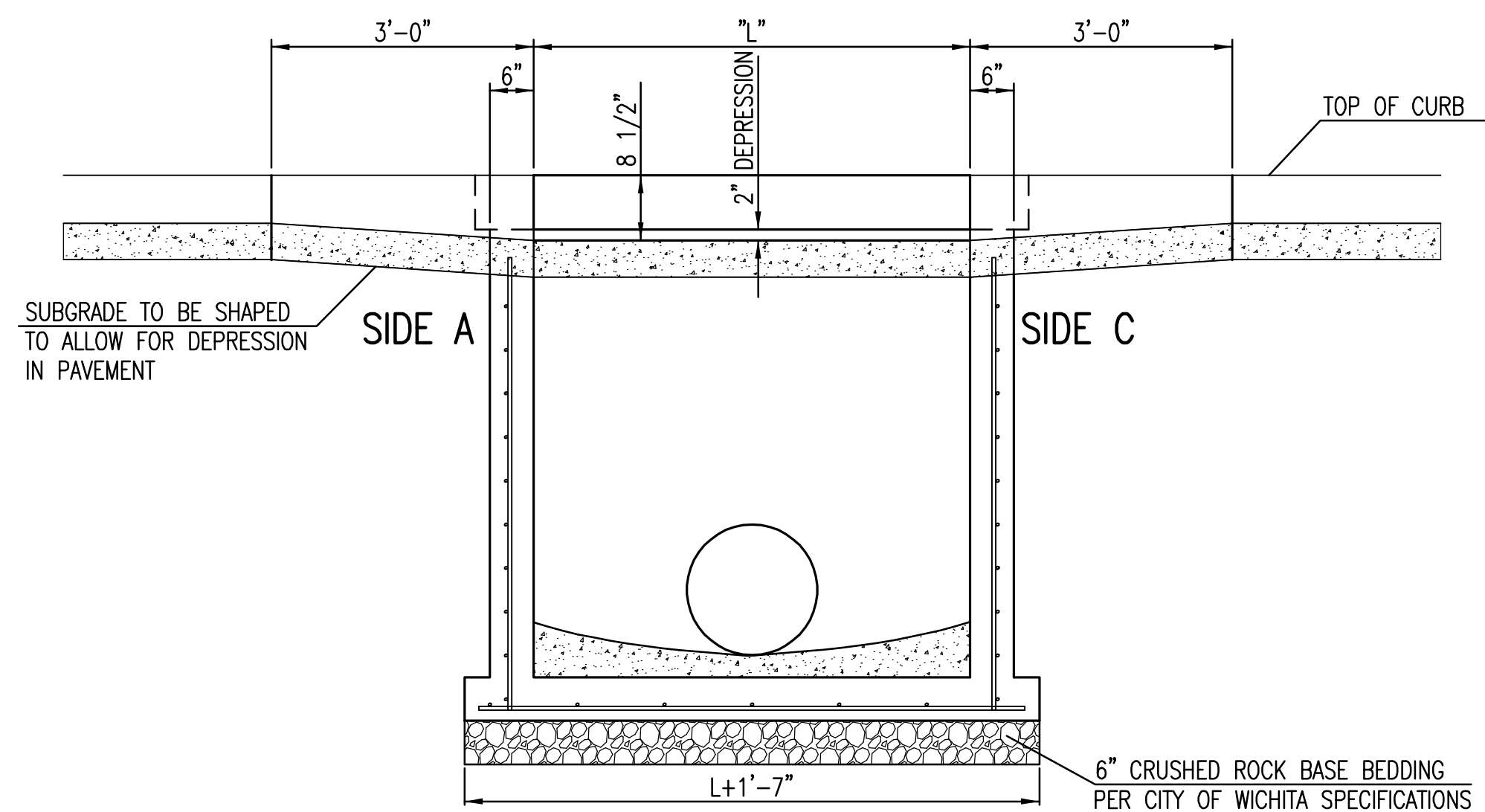
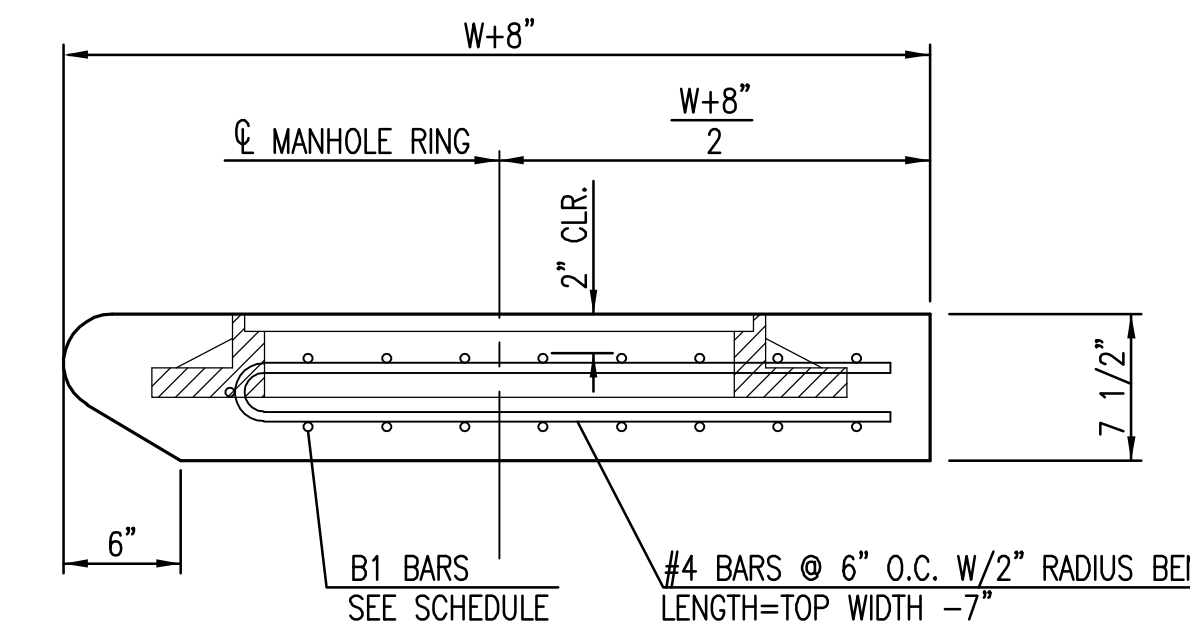


SECTION "A-A"

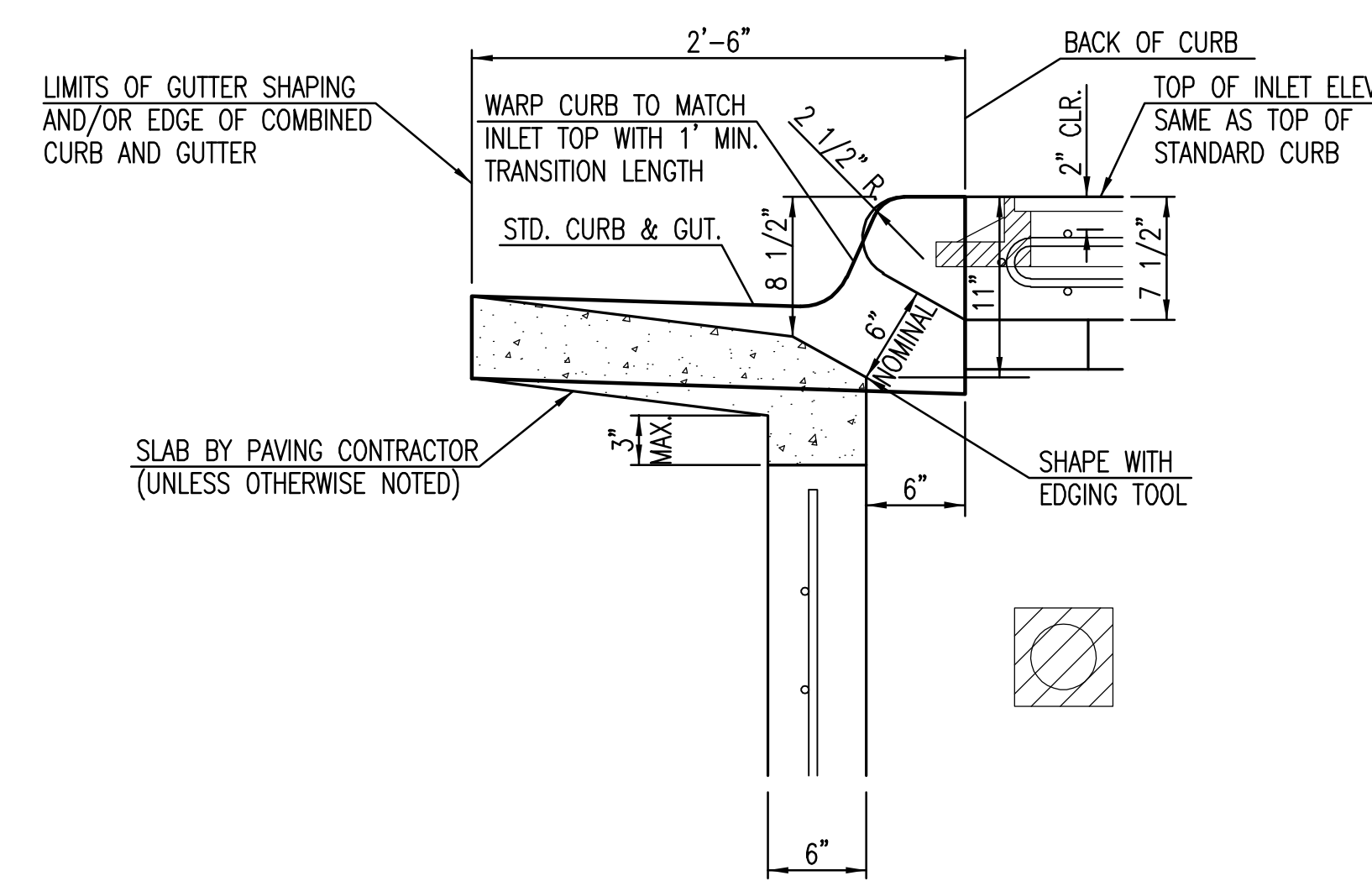


SECTION "C-C"

NOTES:
* SLOPE OF INLET TOP TO MATCH SIDEWALK OR PARKING SLOPES WITHIN LIMITS INDICATED.



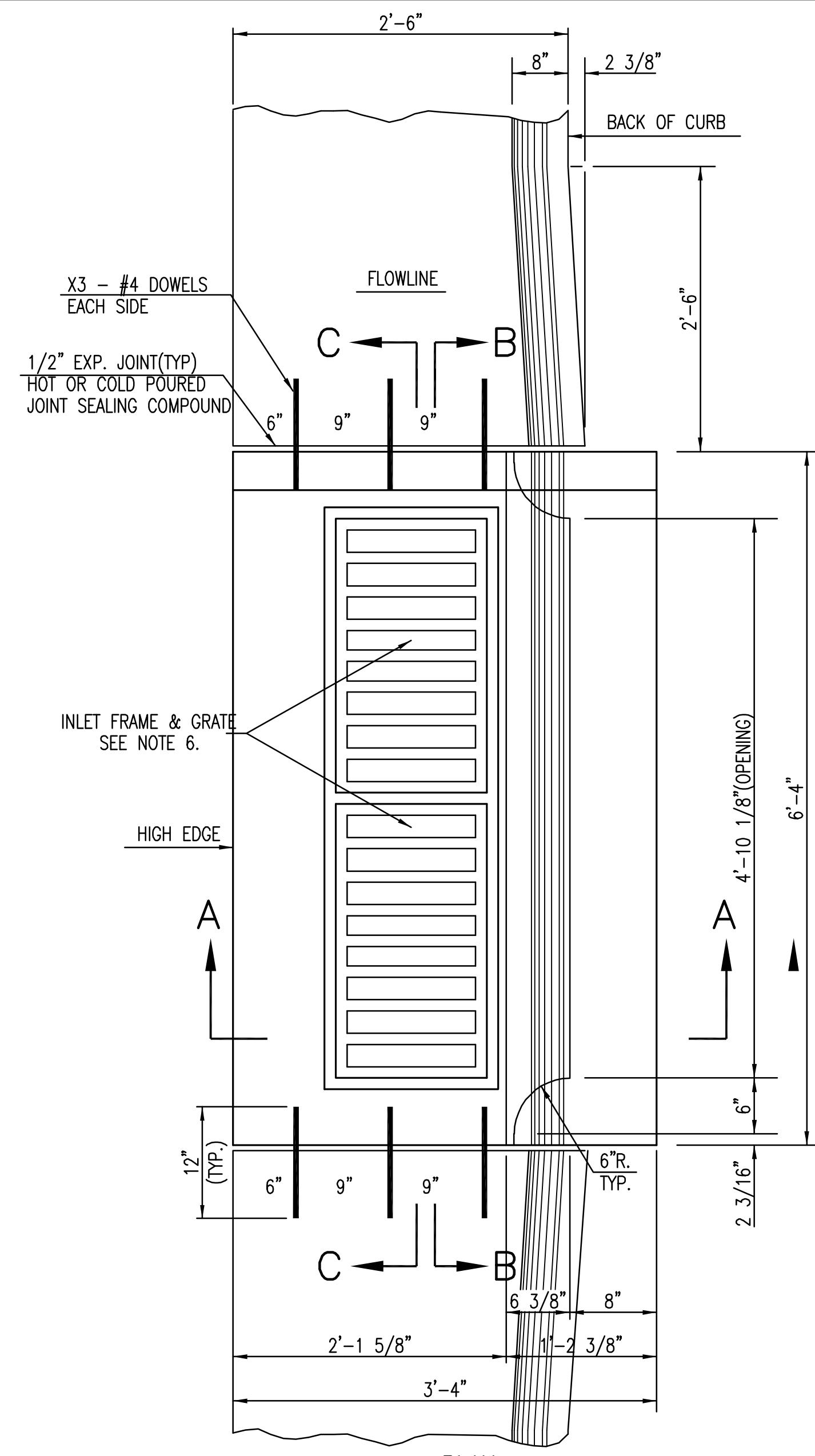
SECTION "B-B"



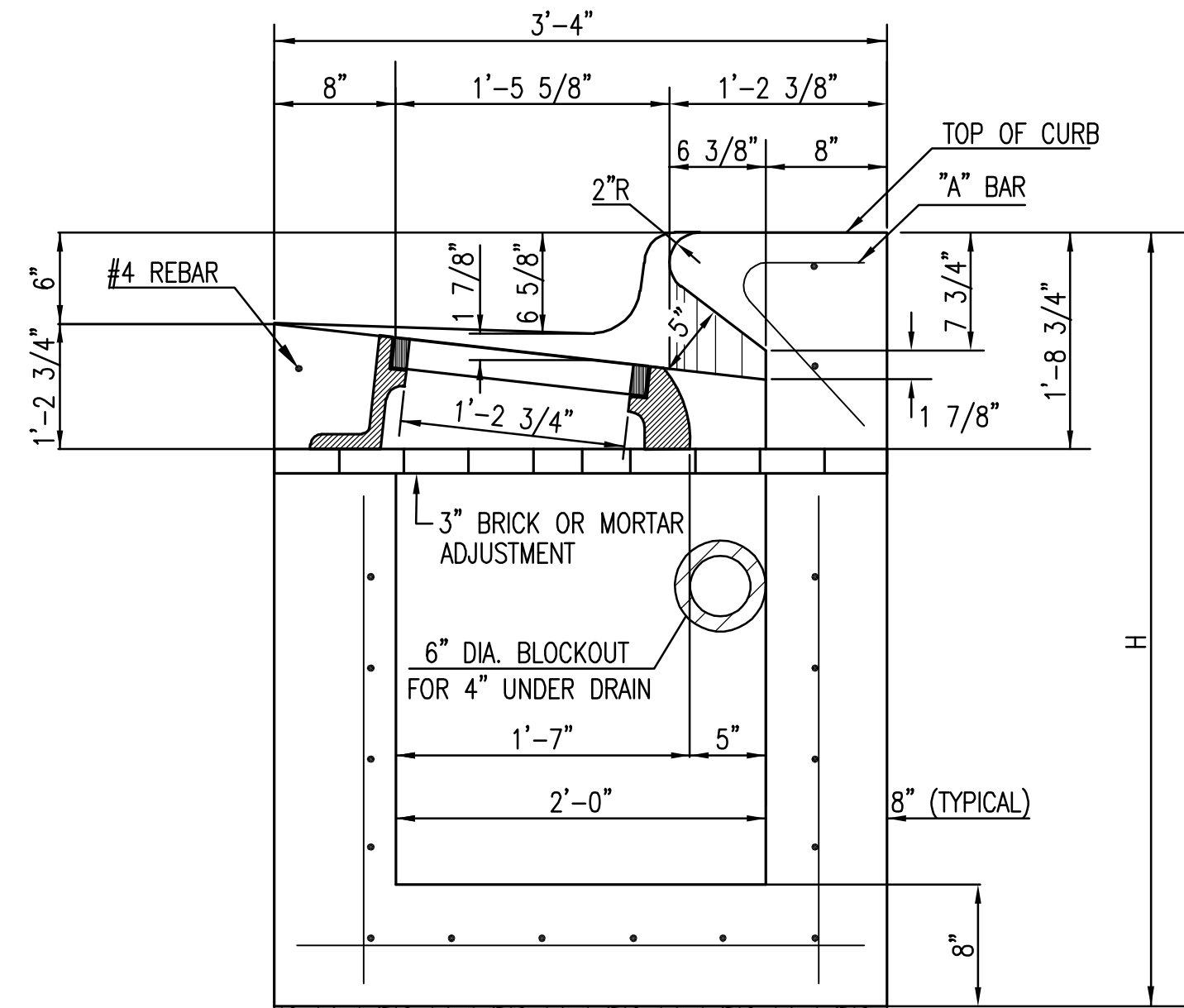
SECTION "D-D"



STANDARD TYPE 1 CURB INLET 5'-0" OR 10'-0" OPENING		
CITY ENGINEER GARY L. JANZEN, P.E.		
PROJECT NUMBER 0183PPD	OCA NUMBER 607861	DATE 05/2013
CITY ENGINEER'S OFFICE CITY HALL - SEVENTH FLOOR 455 NORTH MAIN STREET WICHITA, KANSAS 67202-1620 (316) 268-4501		DESIGN DRAWN SHEET 2 of 14

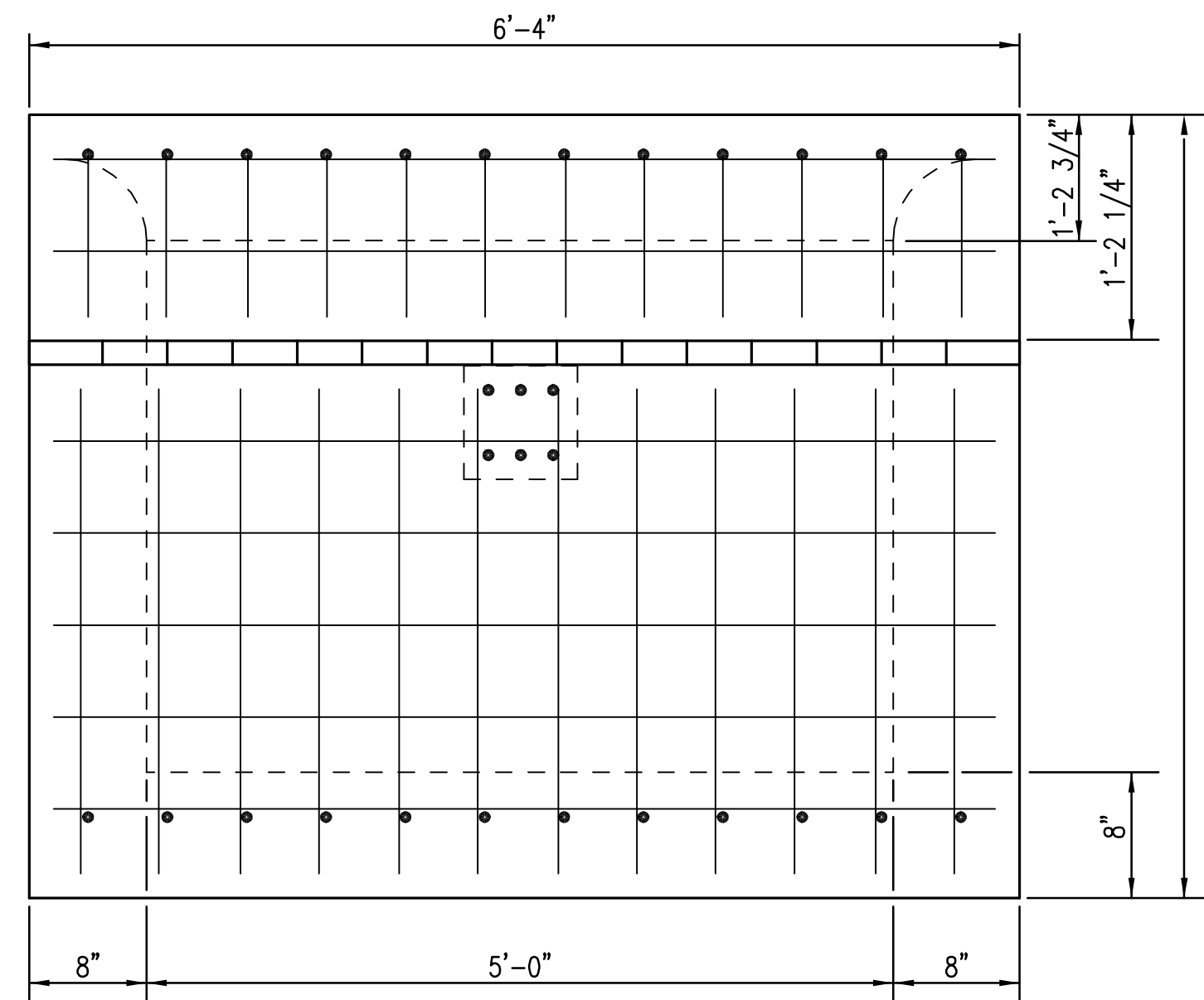


PLAN

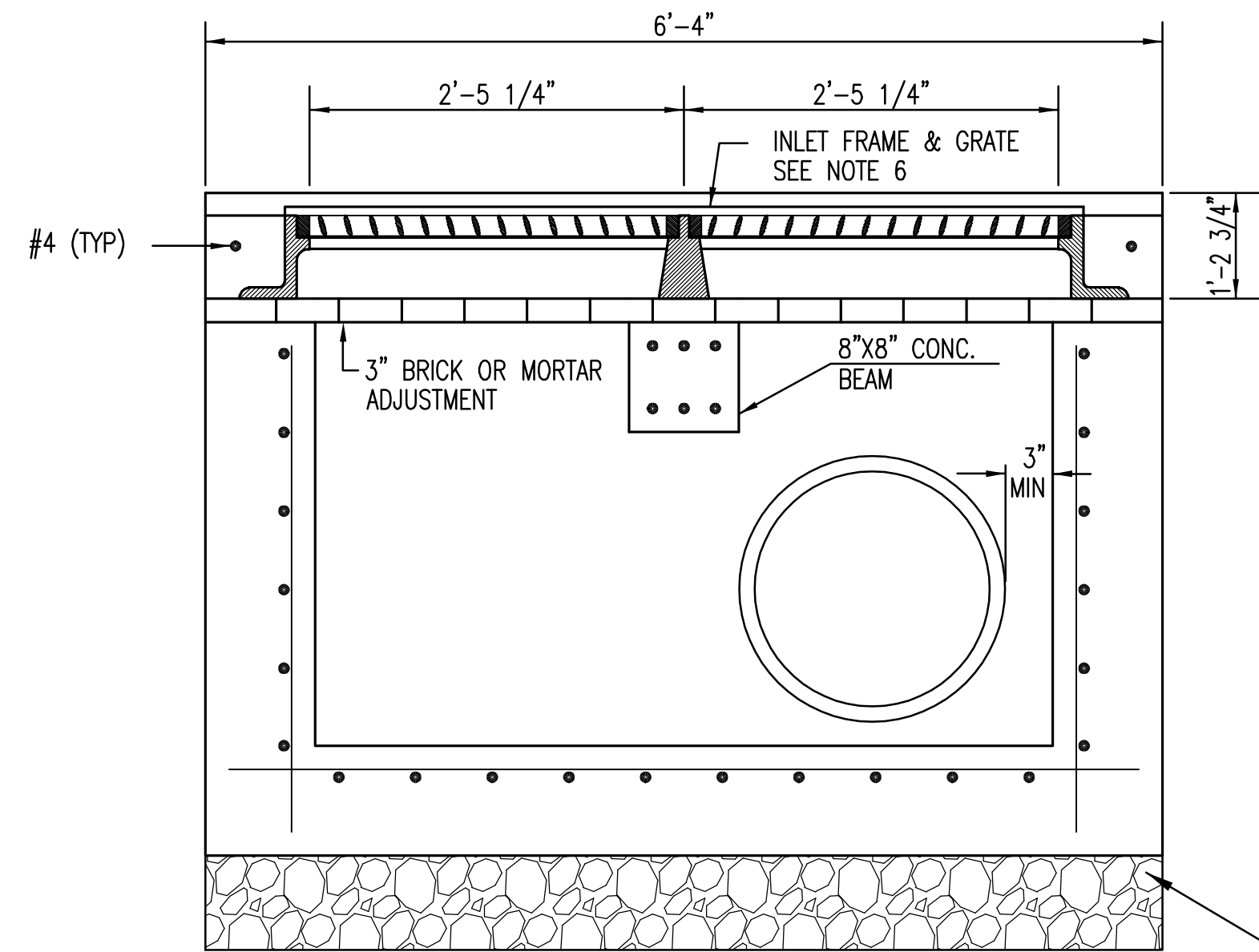


SECTION A-A

6" CRUSHED ROCK BASE BEDDING
PER CITY OF WICHITA SPECIFICATIONS

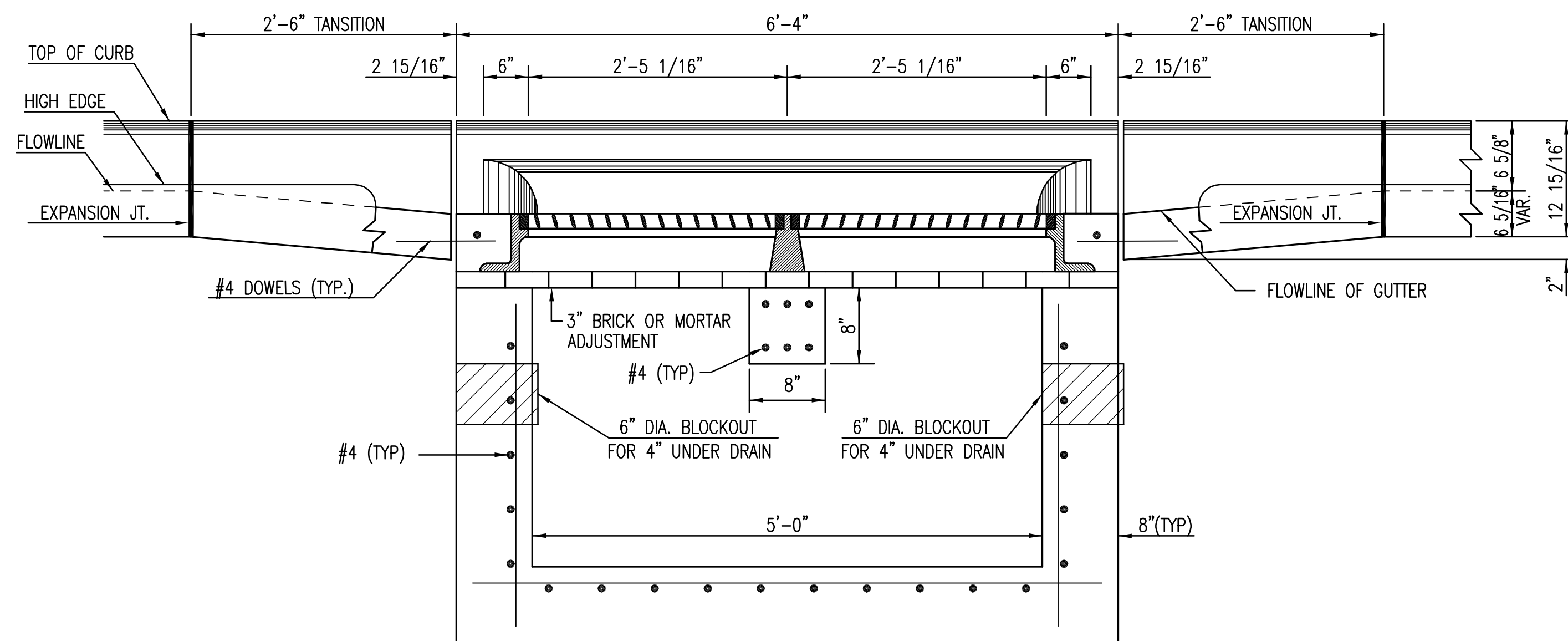


REAR WALL



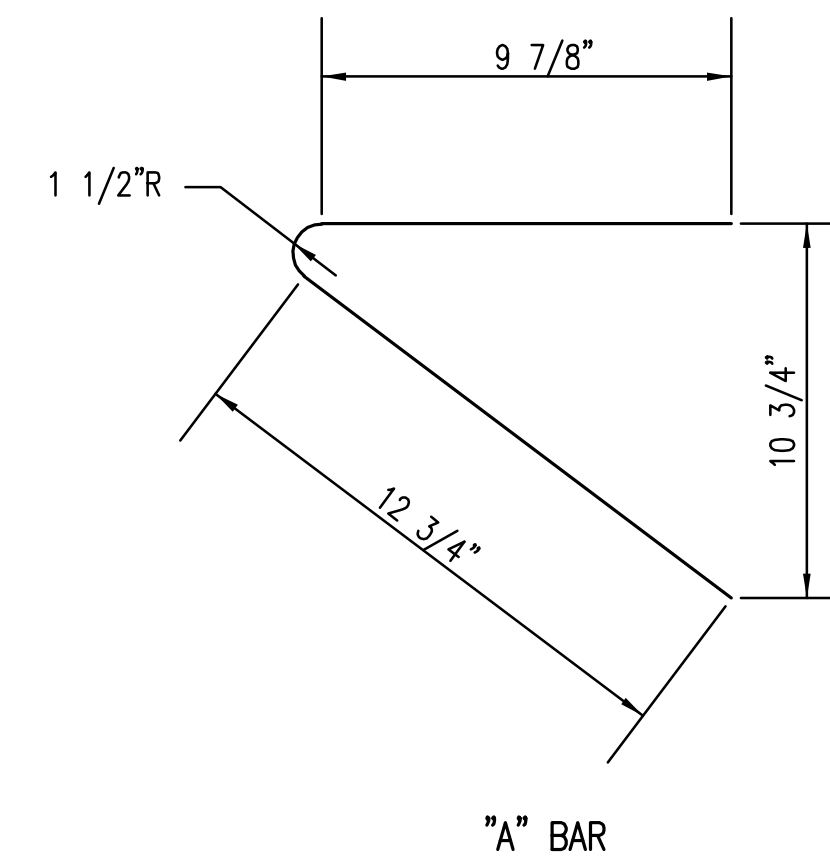
SECTION C-C

6" CRUSHED ROCK BASE BEDDING
PER CITY OF WICHITA SPECIFICATIONS



SECTION B-B

6" CRUSHED ROCK BASE BEDDING
PER CITY OF WICHITA SPECIFICATIONS



"A" BAR

BENDING DIAGRAM

GENERAL NOTES

1. USE THE CONCRETE MIX SPECIFIED FOR THE CITY OF WICHITA CONCRETE PAVEMENT THROUGHOUT. ALL EXPOSED EDGES SHALL BE FINISHED WITH AN EDGING TOOL. REINFORCING BARS SHALL BE BENT AROUND PIPE.
2. INLET INVERT SHALL BE SHAPED WITH 8 SACK 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. ALL BARS ARE #4 WITH 6" SPACING AND SHALL HAVE A MINIMUM CLEARANCE OF 1 1/2 INCHES UNLESS OTHERWISE NOTED ON THE PLANS.
4. WHEN DIRECTED BY THE ENGINEER, A SMALL OPENING MAY BE REQUIRED IN THE BACK OF THE INLET IN ORDER TO DRAIN A LOW AREA. REINFORCING BARS WILL EXTEND THROUGH THE OPENINGS. NO DEDUCTIONS IN CONCRETE QUANTITIES WILL BE MADE FOR THESE OPENINGS.
5. NO DEDUCTIONS WILL BE MADE IN PAY LENGTH OF CURB, GUTTER, OR CURB AND GUTTER THROUGH THE INLET AREA.
6. USE DEETER FOUNDRY, INC. CASTING NO. 2442/43 OR EJIW 7600Z LEFT SIDE, 7600 RIGHT SIDE IN INLET FRAME AND GRATE WITH STYLE H GRATE. INLET FRAME TO BE PROOF LOAD TESTED TO 40,000 LBS. ON UNSUPPORTED SIDE.
7. REINFORCING BARS SHALL BE CUT OR BENT AROUND PIPES. NO DEDUCTION IN CONCRETE QUANTITIES SHALL BE MADE FOR PIPE OPENINGS.
8. THE VANES OF THE GRATE SHALL BE ORIENTED WITH RESPECT TO THE FLOW ARROWS SHOWN ON THE PLANS.
9. CONTRACTOR SHALL REMOVE LIFTING HOOKS AFTER INSTALLATION. RECESSES IN INLET WALL SHALL BE GROUTED FLUSH TO THE INLET WALL WITH HYDRAULIC CEMENT AFTER THE INLET IS IN PLACE. LIFTING HOLES THRU THE INLET WALL WILL NOT BE ACCEPTED.

CITY OF WICHITA
PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

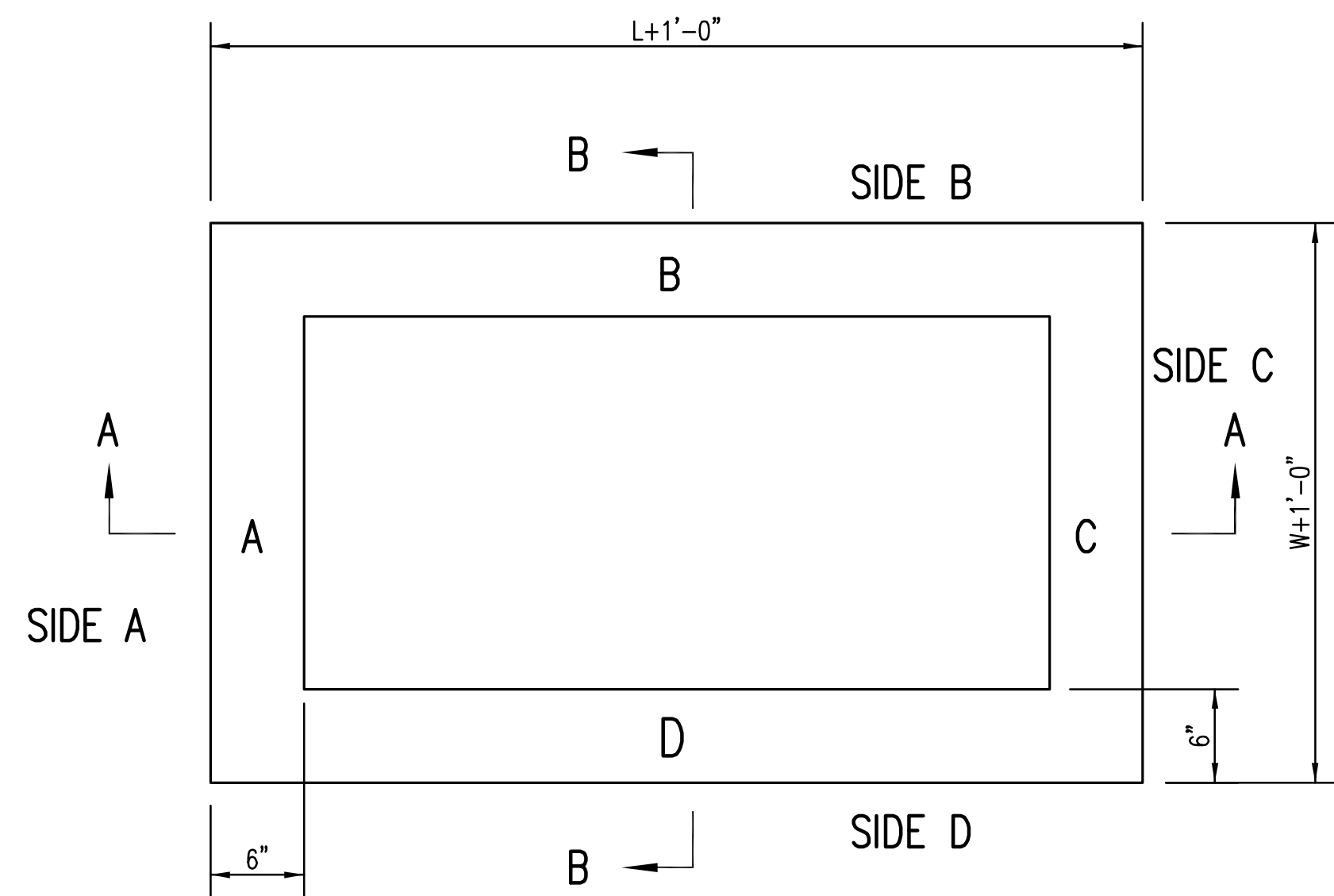
STANDARD DOUBLE
TYPE II CURB INLET

CITY ENGINEER
GARY L. JANZEN, P.E.

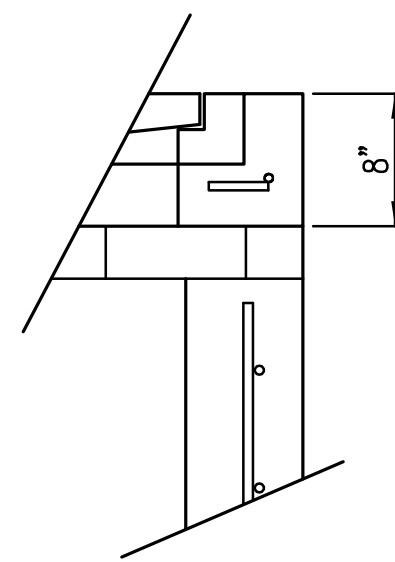
PROJECT NUMBER	OCA NUMBER	DATE
0183PPD	607861	05/2013

CITY ENGINEER'S OFFICE
CITY HALL - SEVENTH FLOOR
455 NORTH MAIN STREET
WICHITA, KANSAS 67202-1620
(316) 268-4501

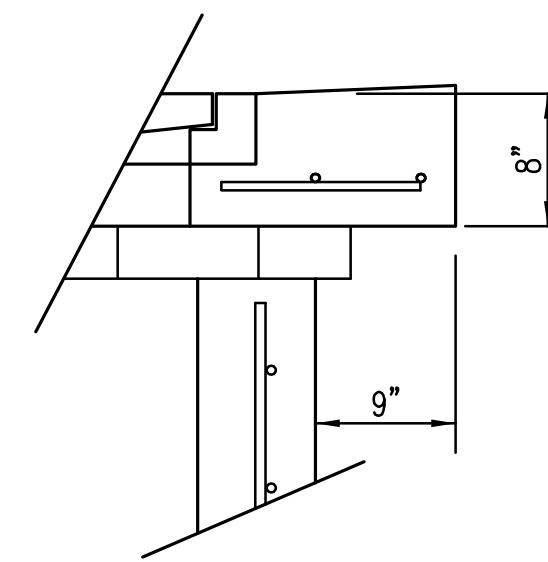
DESIGN	DRAWN
SHEET	
3 of 14	



TOP VIEW

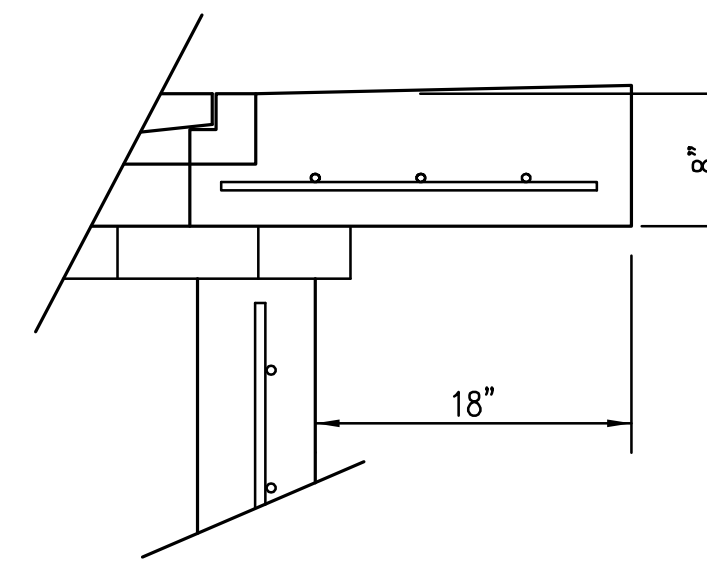


FLUSH STYLE TOP
NO APRON



9" APRON

* APRON TO EXTEND ON ALL 4 SIDES OF INLET.
DESIGNER TO DESIGNATE APRON SIZE.



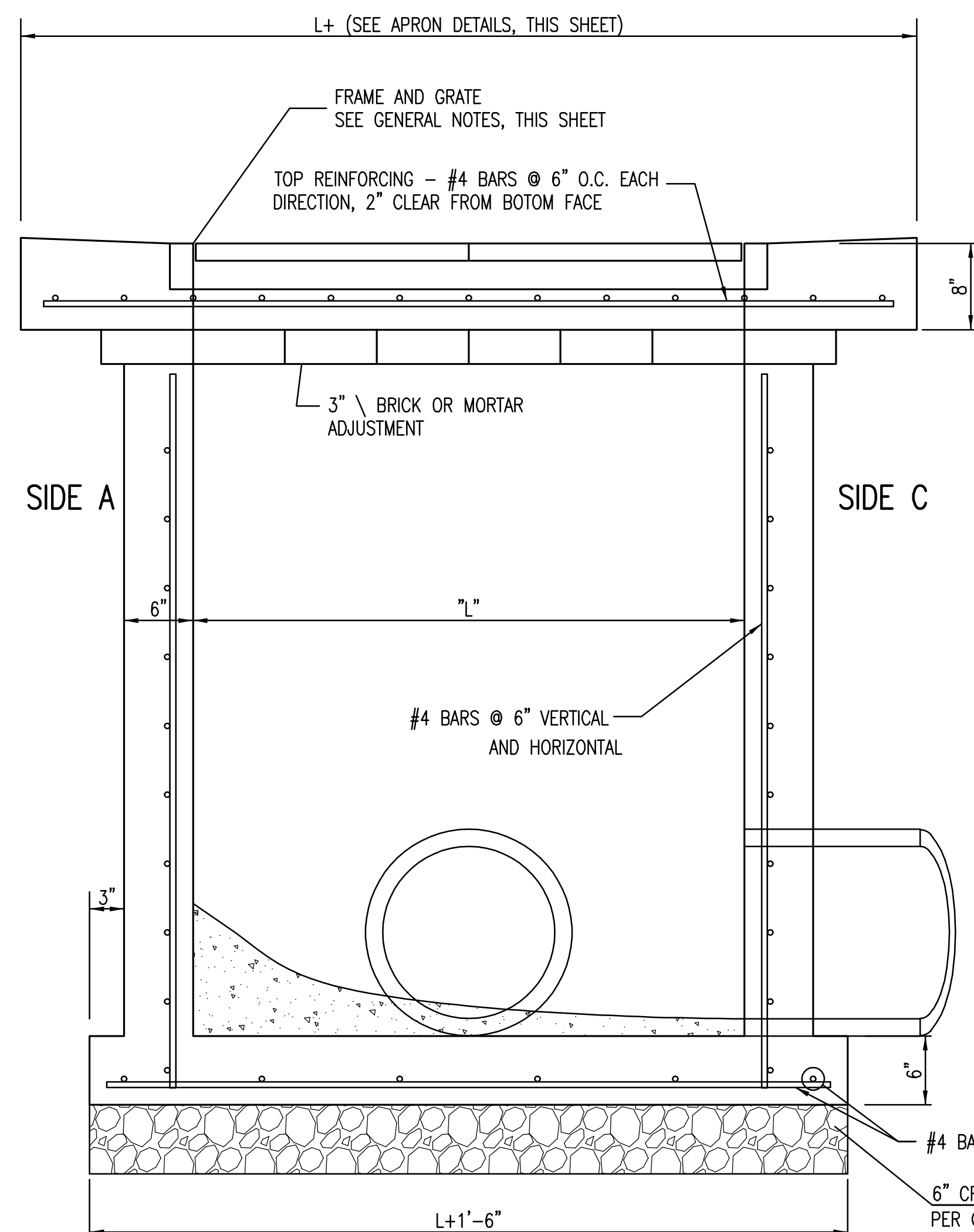
18" APRON

W=2' and L=2' for SINGLE DROP INLET
W=2' and L=4' for DOUBLE DROP INLET

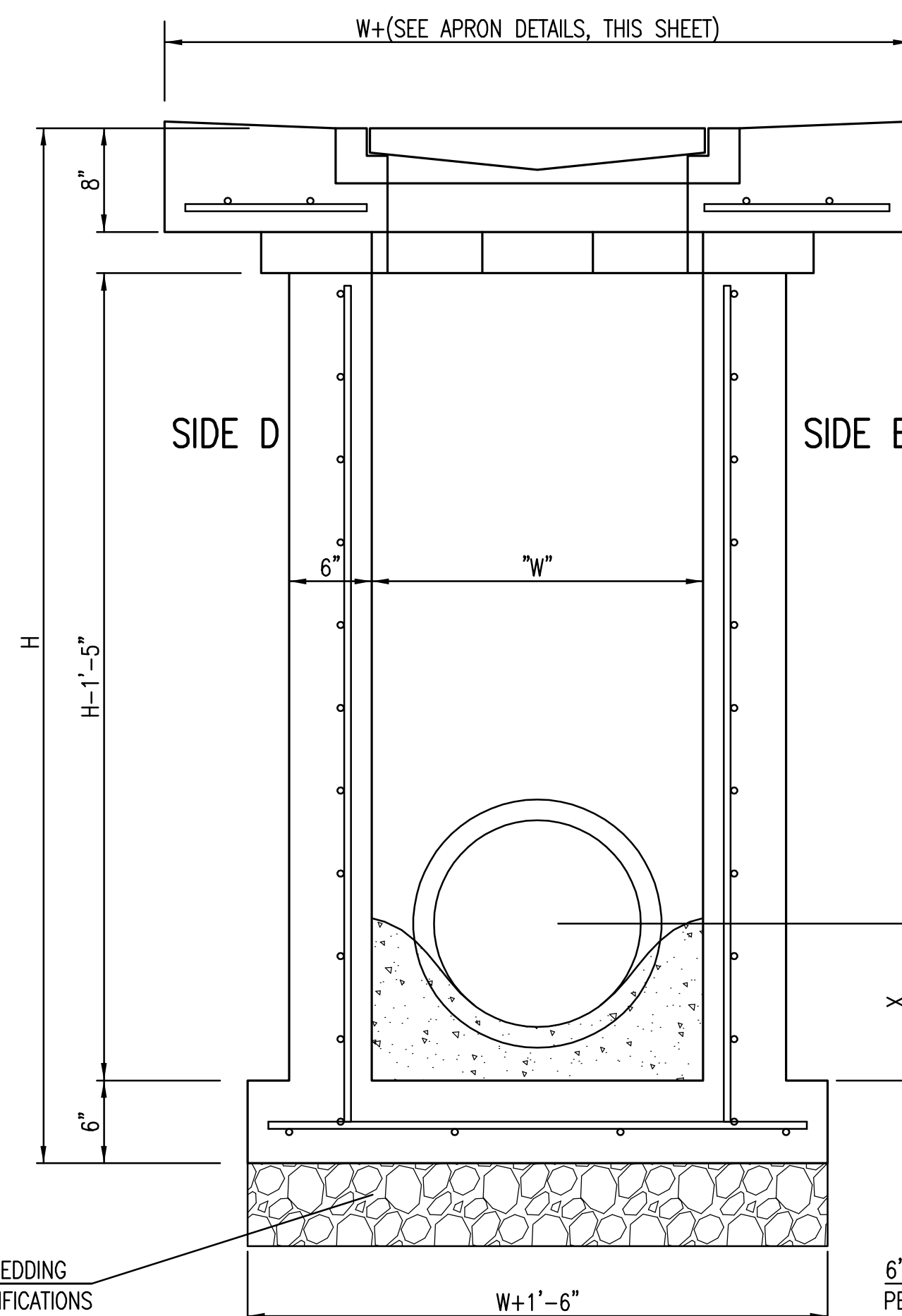
The structure(s) on this detail sheet are designed for HS-20 loading at these specific dimensions only. If larger dimensions are required, the ENGINEER shall provide a project specific structure design for approval by the City Engineer's office.

GENERAL NOTES

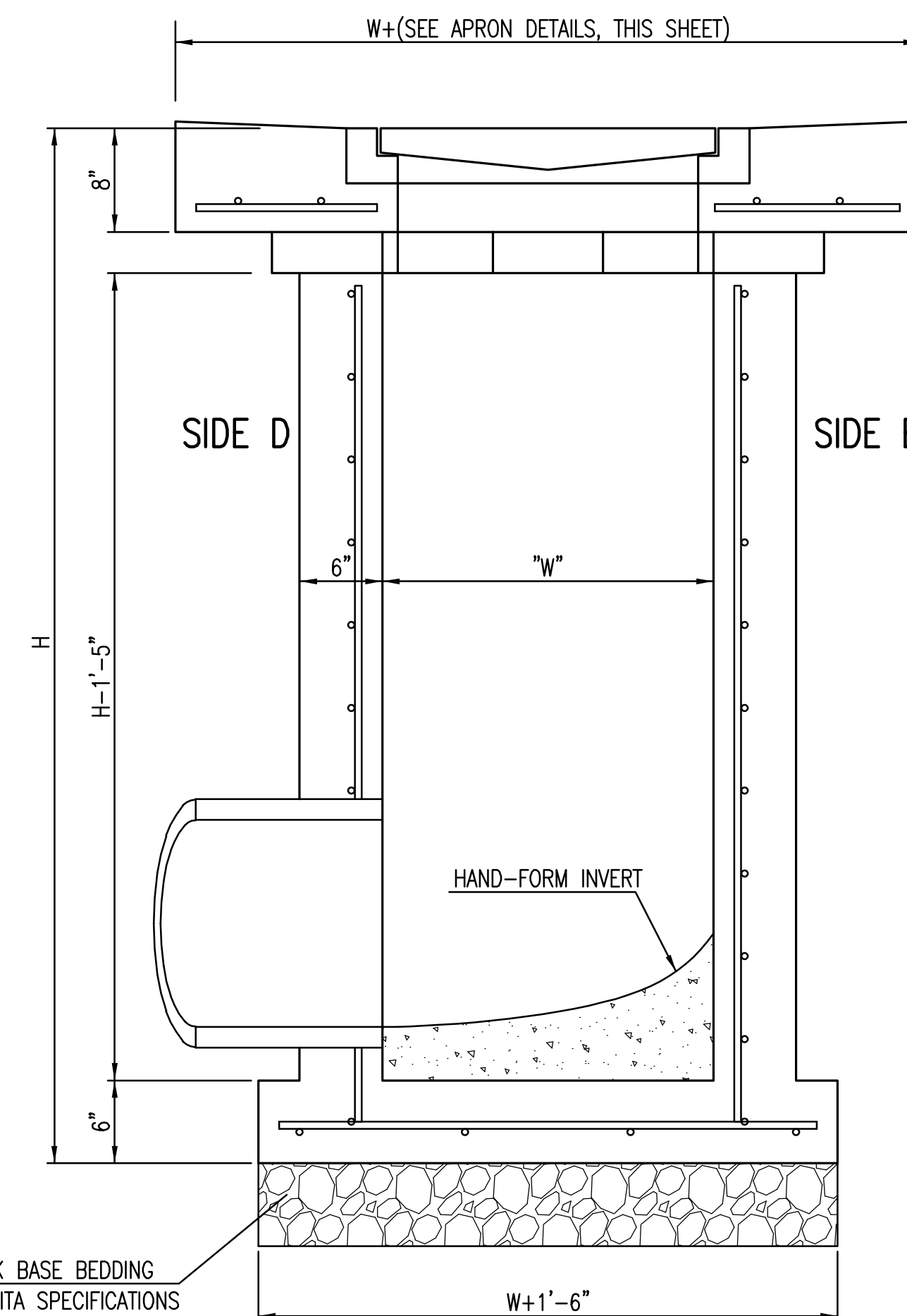
- GRATE FRAME TO BE INSTALLED ON THIN MORTAR CUSHION TO INSURE FULL SUPPORT ALONG BRICK. CONCRETE USED FOR INLET CONSTRUCTION SHALL CONFORM TO CITY OF WICHITA SPECIFICATIONS FOR CONCRETE PAVEMENT MIX.
- INLET INVERT SHALL BE SHAPED WITH 8 SACK SAND MIX CONCRETE TO CREATE FLOW CHANNELS AND TO INCREASE 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.
- INLET FRAME AND GRATE TO BE DEETER #2433, EJIW #5391-Z1 OR APPROVED EQUAL FOR 2'x2' SINGLE DROP INLET AND DEETER #2434, EJIW #5391 Z3 OR APPROVED EQUAL FOR 2'x4' DOUBLE DROP INLET.
- CONTRACTOR SHALL REMOVE LIFTING HOOKS AFTER INSTALLATION. RECESSES IN INLET WALL SHALL BE GROUTED FLUSH TO THE INLET WALL WITH HYDRAULIC CEMENT AFTER THE INLET IS IN PLACE. LIFTING HOLES THRU THE INLET WALL WILL NOT BE ACCEPTED.



SECTION "A-A"



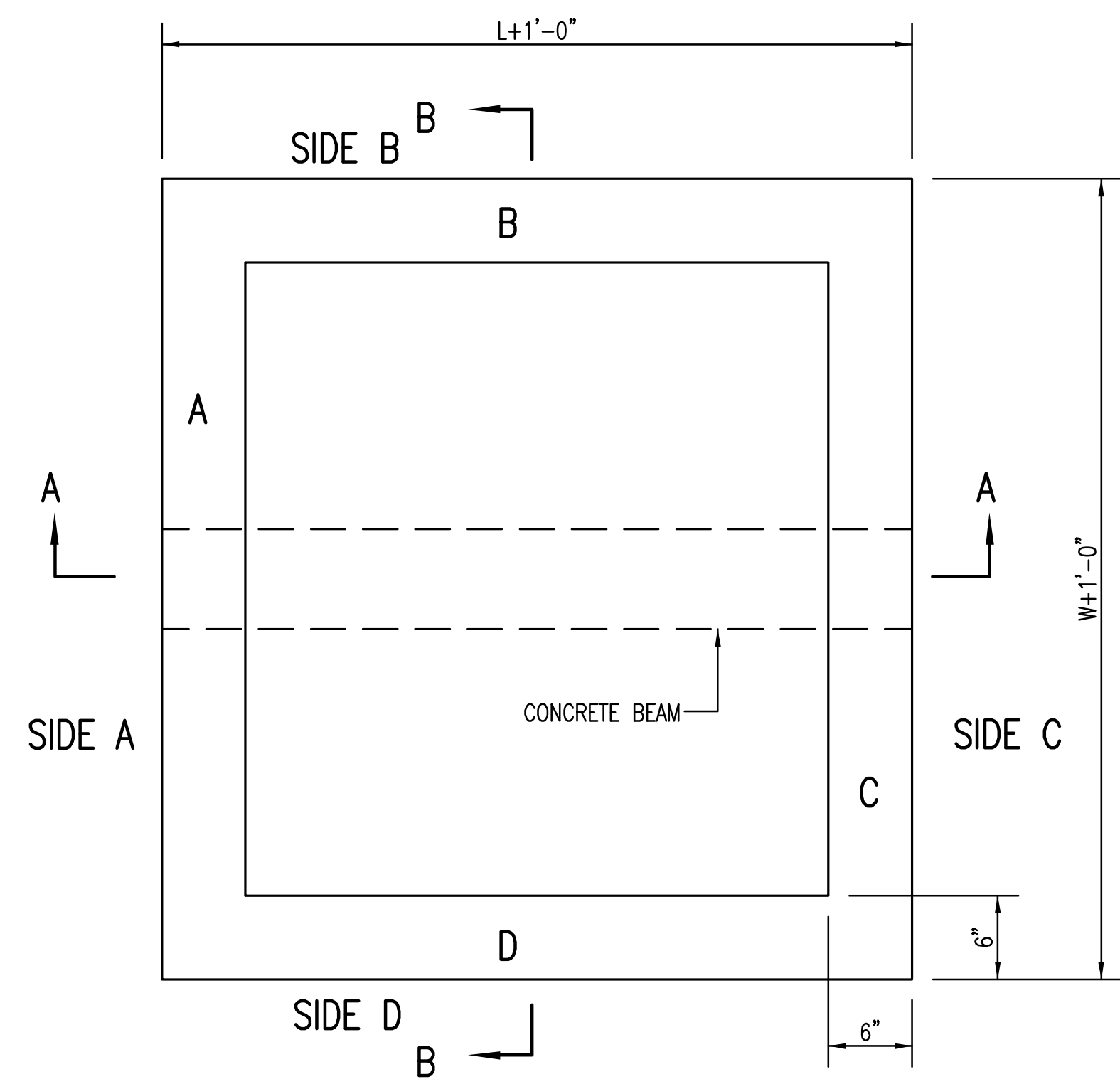
SECTION "B-B"
END OUTLET



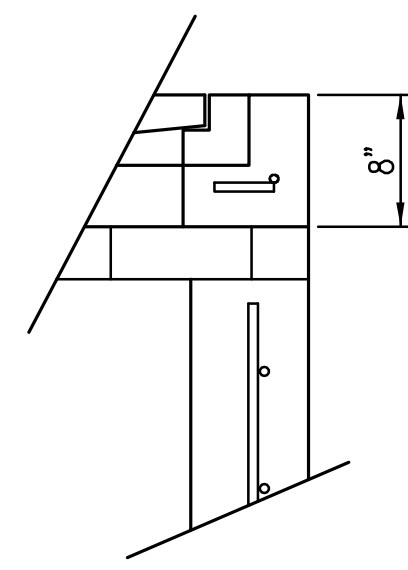
SECTION "B-B"
SIDE OUTLET



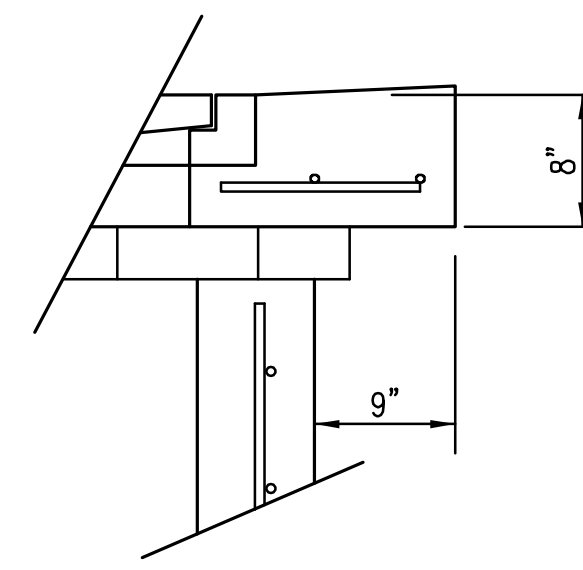
REVISED 05/10/2011 - GJ		
SINGLE/DOUBLE DROP INLET		
CITY ENGINEER GARY L. JANZEN, P.E.		
PROJECT NUMBER 0183PPD	OCA NUMBER 607861	DATE 05/2013
CITY ENGINEER'S OFFICE CITY HALL - SEVENTH FLOOR 455 NORTH MAIN STREET WICHITA, KANSAS 67202-1620 (316) 268-4501		DESIGN DRAWN SHEET 4 of 14



TOP VIEW

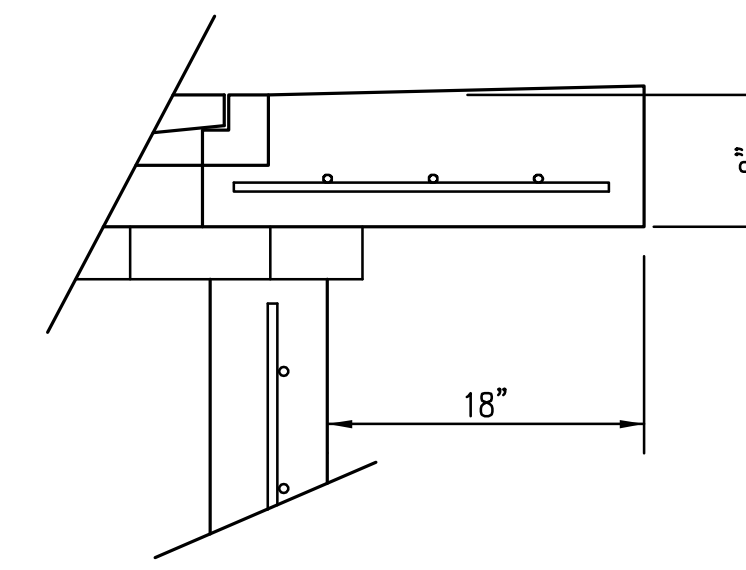


FLUSH STYLE TOP
NO APRON

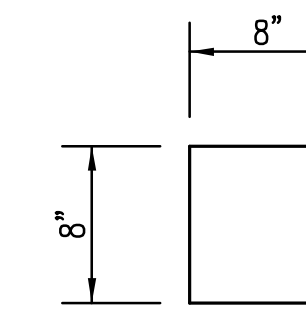


9" APRON

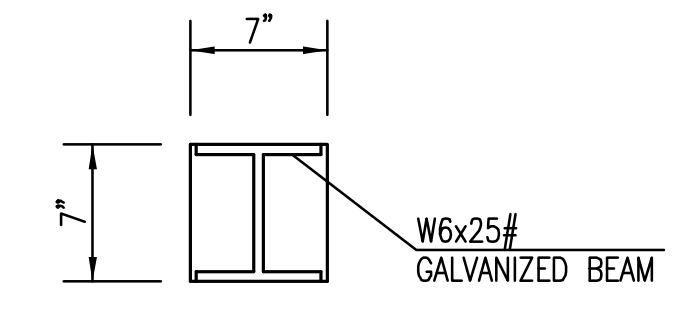
* APRON TO EXTEND ON ALL 4 SIDES OF INLET.
DESIGNER TO DESIGNATE APRON SIZE.



18" APRON



CONCRETE BEAM POCKET



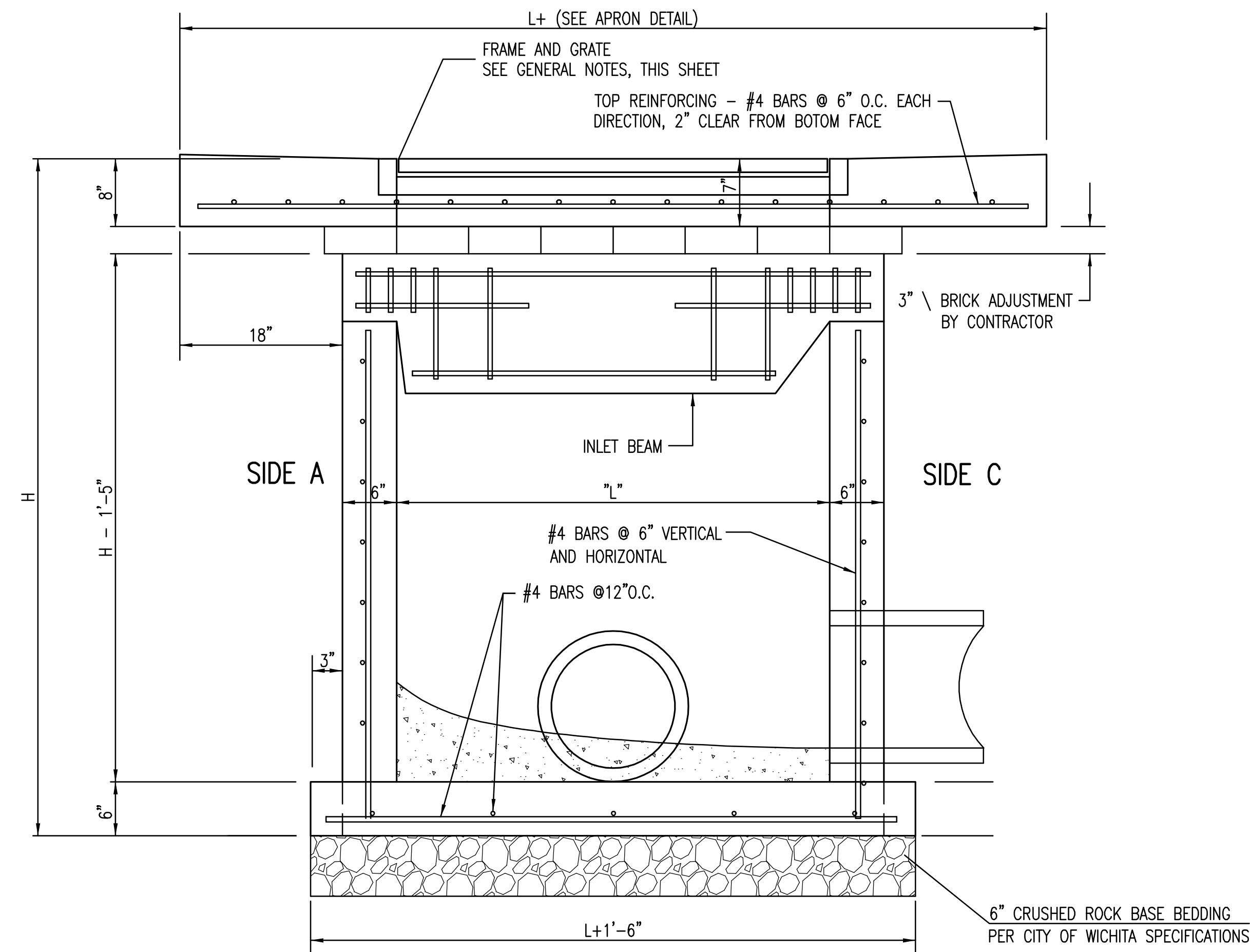
GALV. STEEL BEAM POCKET

W=4'-4" and L=4' for DOUBLE DROP INLET

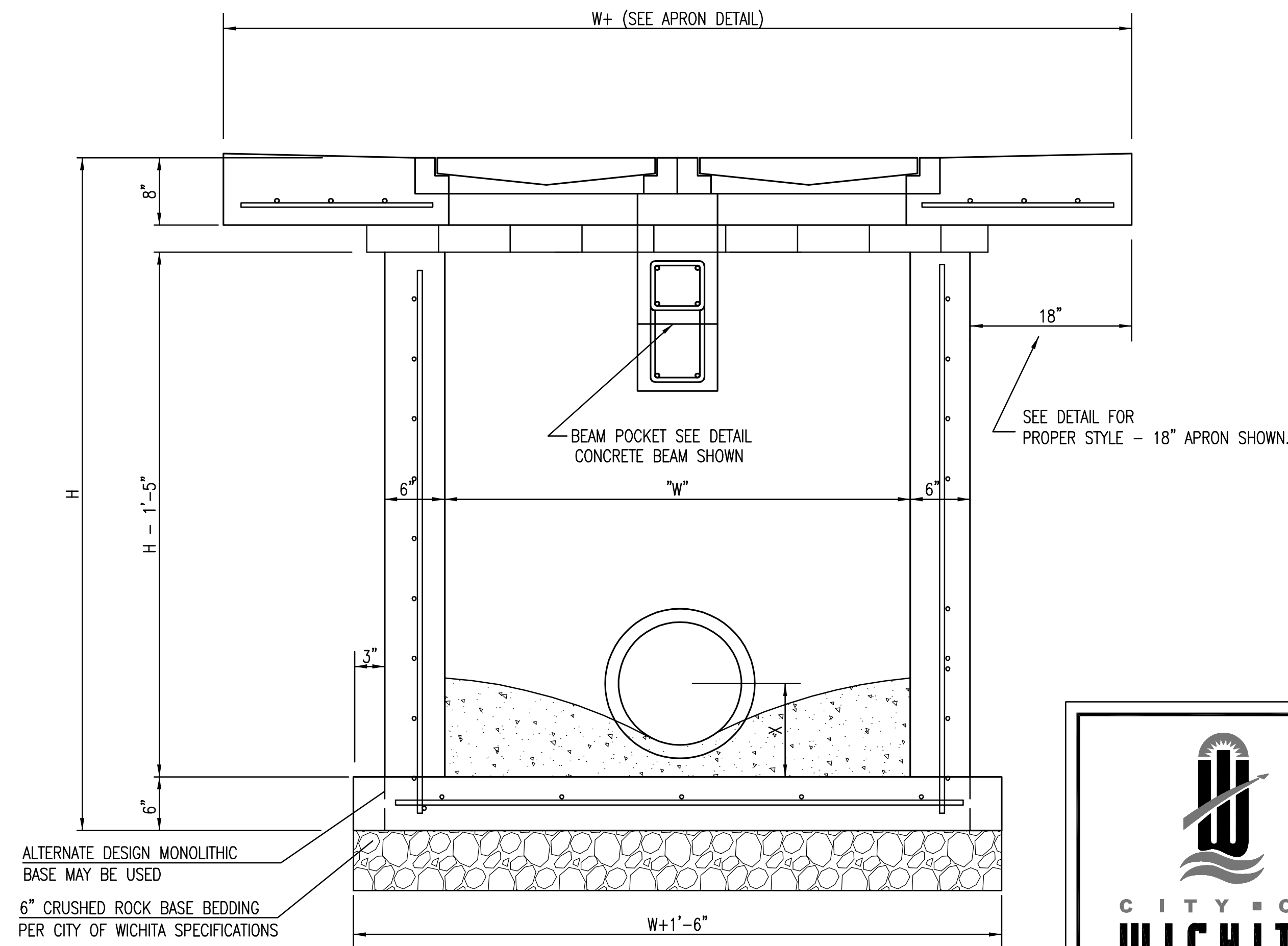
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GENERAL NOTES

- GRATE FRAME TO BE INSTALLED ON THIN MORTAR CUSHION TO INSURE FULL SUPPORT ALONG BRICK. CONCRETE USED FOR INLET CONSTRUCTION SHALL CONFORM TO CITY OF WICHITA SPECIFICATIONS FOR CONCRETE PAVEMENT MIX.
- 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.
- INLET FRAME AND GRATE TO BE DEETER #2433, EJIW #5391-Z1 OR APPROVED EQUAL FOR 2'x2' SINGLE DROP INLET AND DEETER #2434, EJIW #5391 Z3 OR APPROVED EQUAL FOR 2'x4' DOUBLE DROP INLET.
- CONTRACTOR SHALL REMOVE LIFTING HOOKS AFTER INSTALLATION. RECESSES IN INLET WALL SHALL BE GROUTED FLUSH TO THE INLET WALL WITH HYDRAULIC CEMENT AFTER THE INLET IS IN PLACE. LIFTING HOLES THRU THE INLET WALL WILL NOT BE ACCEPTED.



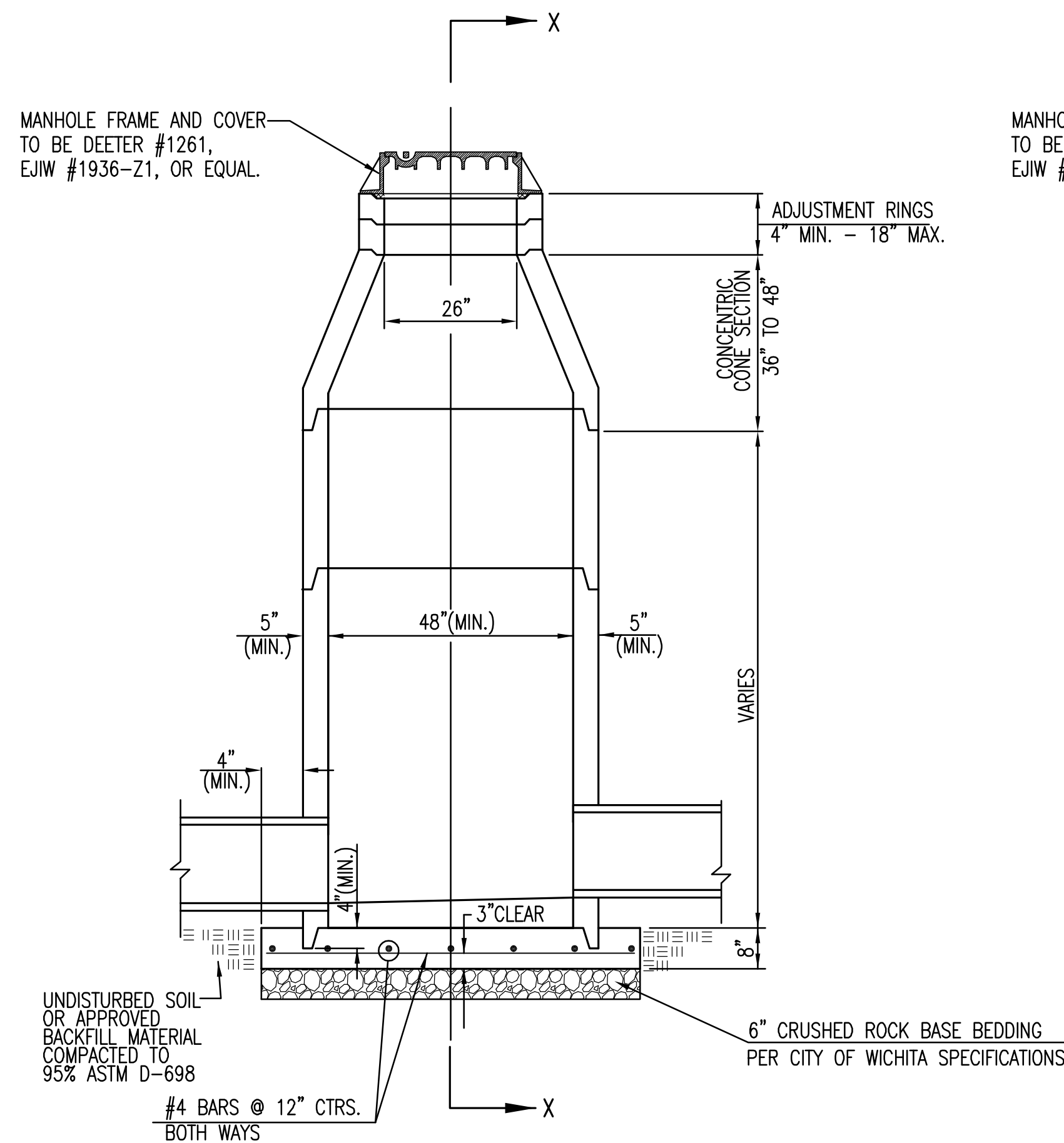
SECTION "A-A"



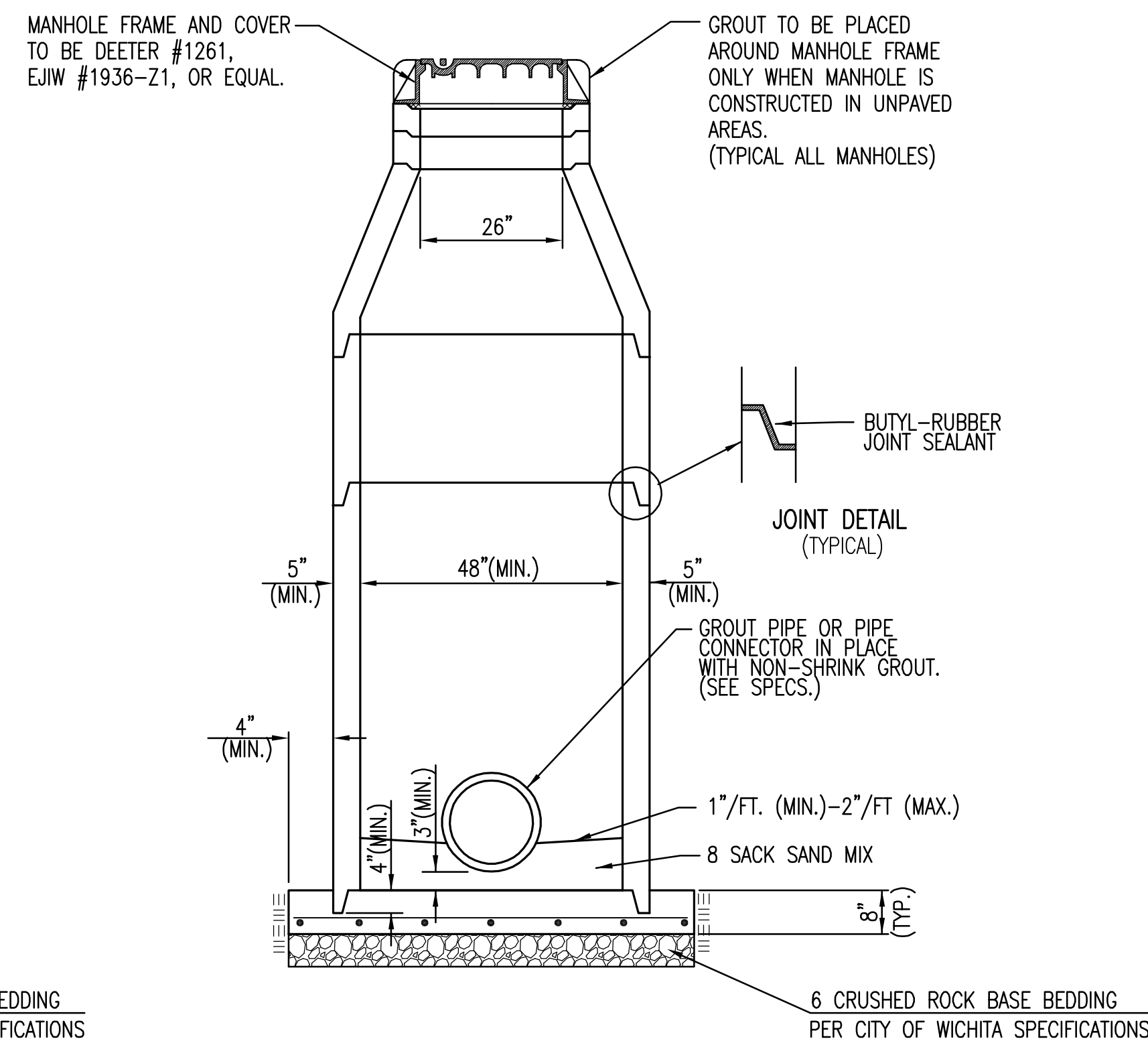
SECTION "B-B"



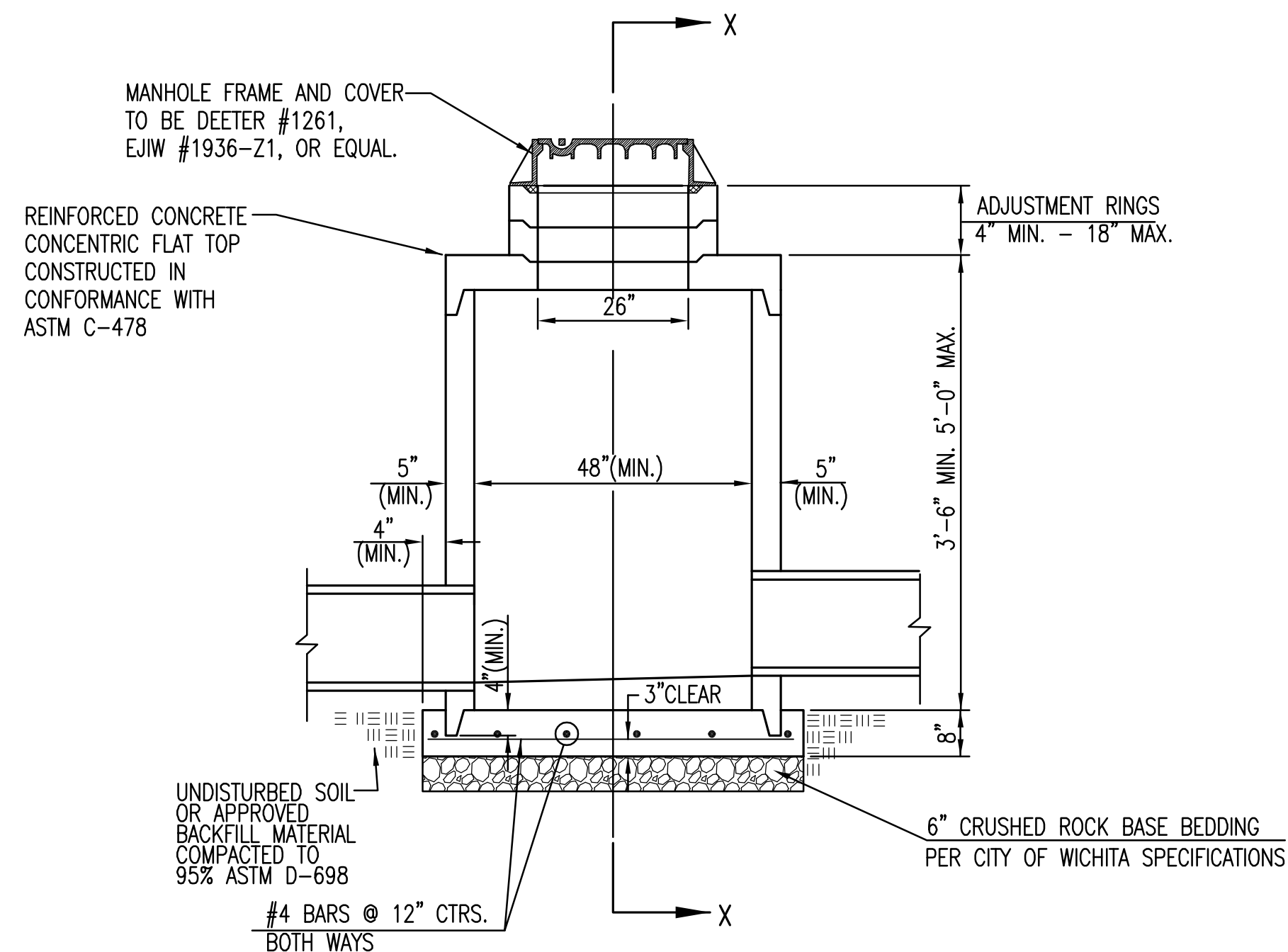
REVISED 05/10/2011 - GJ		
DOUBLE DOUBLE DROP INLET WITH BEAM		
CITY ENGINEER GARY L. JANZEN, P.E.		
PROJECT NUMBER 0183PPD	OCA NUMBER 607861	DATE 05/2013
CITY ENGINEER'S OFFICE CITY HALL - SEVENTH FLOOR 455 NORTH MAIN STREET WICHITA, KANSAS 67202-1620 (316) 268-4501		DESIGN DRAWN SHEET 5 of 14



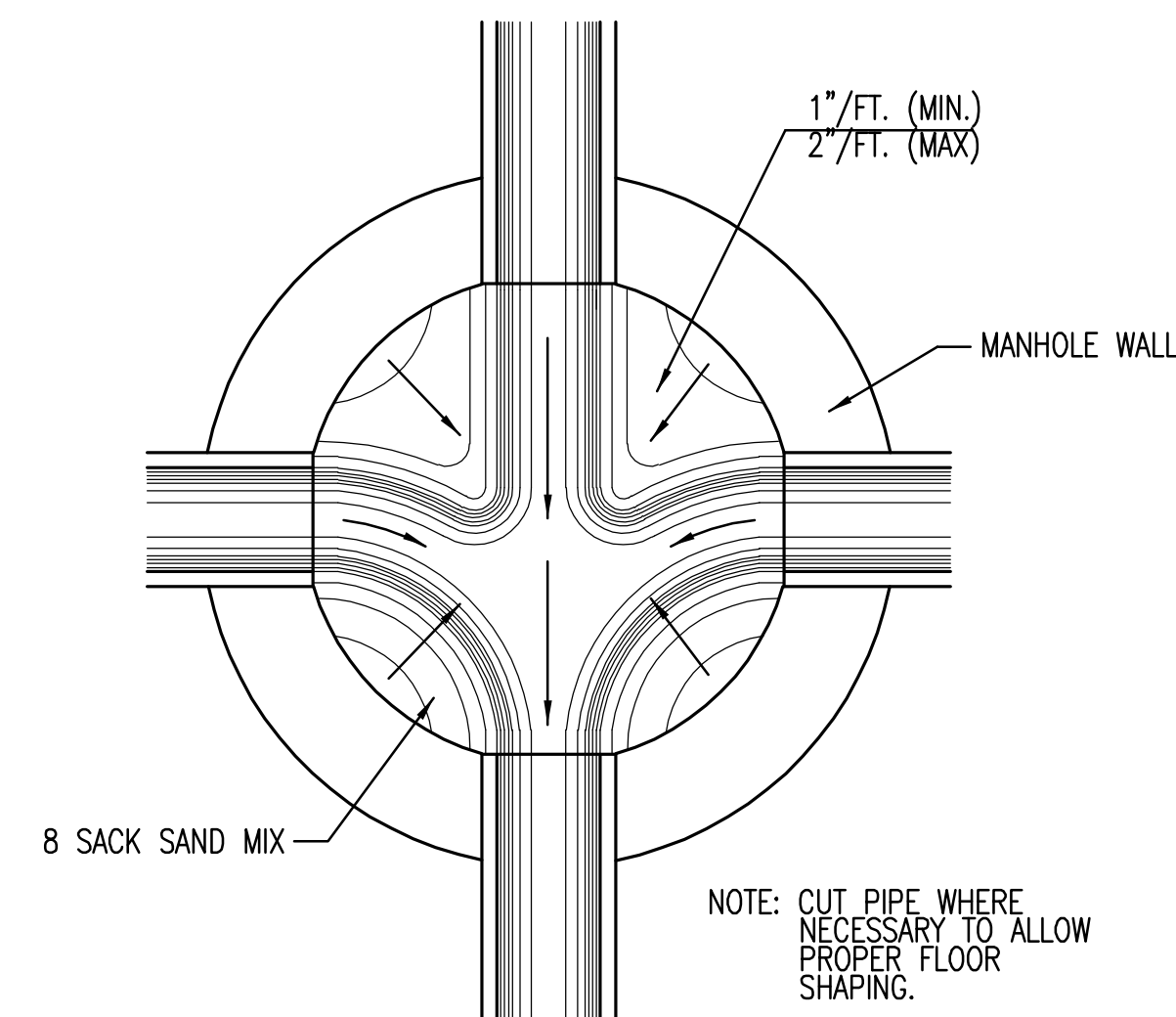
PRECAST STANDARD MANHOLE TYPE "A"



SECTION X-X (TYPICAL)



PRECAST SHALLOW MANHOLE TYPE "B"



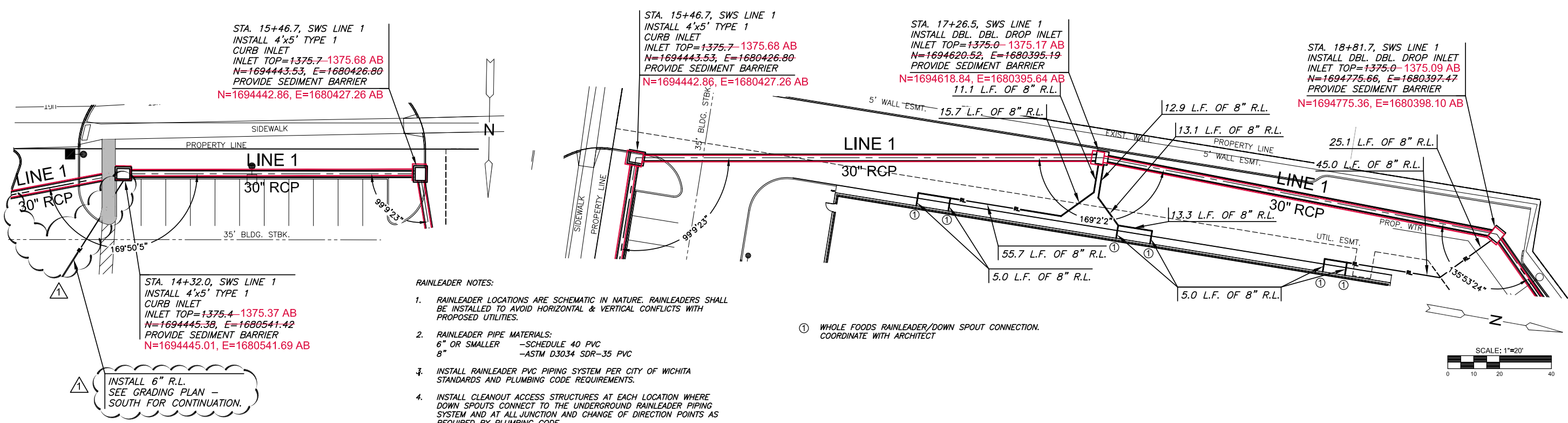
TYPICAL MANHOLE FLOOR SHAPING

GENERAL NOTES

- IF, IN THE OPINION OF THE ENGINEER, THE MANHOLE SUBGRADE APPEARS UNSTABLE, THE CONTRACTOR WILL HAVE THE OPTION TO COMPACT SUBGRADE AS SHOWN OR INCREASE THE THICKNESS OF THE MANHOLE BASE AS DIRECTED BY THE ENGINEER.
- STEEL REINFORCING WILL BE REQUIRED IN ALL MANHOLE BASES.
- ALL MANHOLE CONSTRUCTION SHALL BE WATER TIGHT.
- TOP OF MANHOLE FLOOR SLAB SHALL BE AT LEAST 3 INCHES BELOW THE FLOW LINE OF THE OUTLET PIPE TO INSURE SUFFICIENT MINIMUM THICKNESS OF SHAPED INVERT.
- ALL PRECAST CONCRETE MANHOLE SECTIONS SHALL CONFORM TO THE LATEST REVISION OF ASTM C-478 AS MODIFIED BY THE SPECIFICATIONS.
- CONCRETE USED FOR MANHOLE CONSTRUCTION SHALL CONFORM TO CITY OF WICHITA SPECIFICATIONS FOR CONCRETE PAVEMENT MIX.
- PRECAST MANHOLES SHALL BE SET AT LEAST 4 INCHES INTO MANHOLE BASE.
- MANHOLES WITH PIPE SIZES 24" AND LARGER SHALL HAVE 5 FOOT INSIDE DIAMETER (MIN.).
- MANHOLES WITH PRECAST BASES MAY BE USED AT THE CONTRACTORS OPTION. THESE MANHOLES SHALL HAVE AN 8" MINIMUM BASE THICKNESS AND SHALL BE PLACED ON AN 8" MIN. CRUSHED ROCK BASE. PIPES SHALL BE ENCASED WITH CRUSHED ROCK TO AT LEAST 3 FEET FROM THE MANHOLE WALL.
- CONTRACTOR SHALL REMOVE LIFTING HOOKS AFTER INSTALLATION. RECESSES IN MANHOLE WALL SHALL BE GROUTED FLUSH TO THE MANHOLE WALL WITH HYDRAULIC CEMENT AFTER THE MANHOLE IS IN PLACE. LIFTING HOLES THRU THE MANHOLE WALL WILL NOT BE ACCEPTED.
- THE ENDS OF ALL PIPES IN MANHOLES SHALL BE CUT OFF FLUSH WITH THE INSIDE FACE OF THE MANHOLE WALL.
- MANHOLE INVERT SHALL BE SHAPED WITH 8 SACK SAND MIX CONCRETE TO CREATE FLOW CHANNELS AND TO INCREASE HYDRAULIC EFFICIENCY SUCH THAT THE MANHOLE WILL BE SELF CLEANING BETWEEN ALL INLET AND/OR OUTLET PIPES.
- MANHOLE FRAME AND COVER TO BE DEETER #1261, EJIW #1936-Z1, OR APPROVED EQUAL, SEE SW-303.
- FOR FLAT GRATED INLET APPLICATION, GRATE TO BE DEETER #1933, EJIW #1205 MDI, OR APPROVED EQUAL.
- FOR BEEHIVE GRATE APPLICATION, GRATE TO BE DEETER #4495, EJIW #120545, OR APPROVED EQUAL.

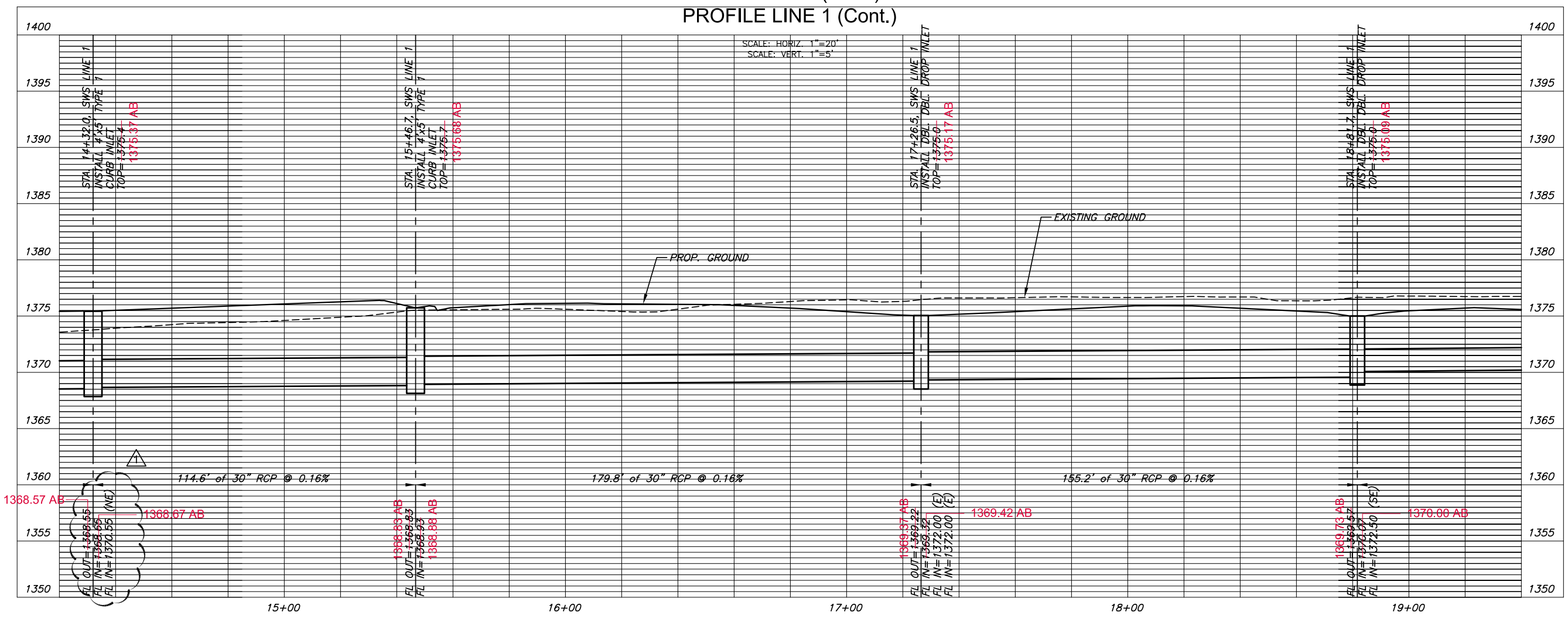


PRECAST CONCRETE MANHOLE (STORM SEWER)		
CITY ENGINEER GARY L. JANZEN, P.E.		
PROJECT NUMBER 0183PPD	OCA NUMBER 607861	DATE 05/2013
CITY ENGINEER'S OFFICE CITY HALL - SEVENTH FLOOR 455 NORTH MAIN STREET WICHITA, KANSAS 67202-1620 (316) 268-4501		DESIGN SW-303
		DRAWN SW-303
		SHEET 6 of 14



PLAN LINE 1 (Cont.)
PROFILE LINE 1 (Cont.)

AS-BUILT PLANS - JUNE 2014

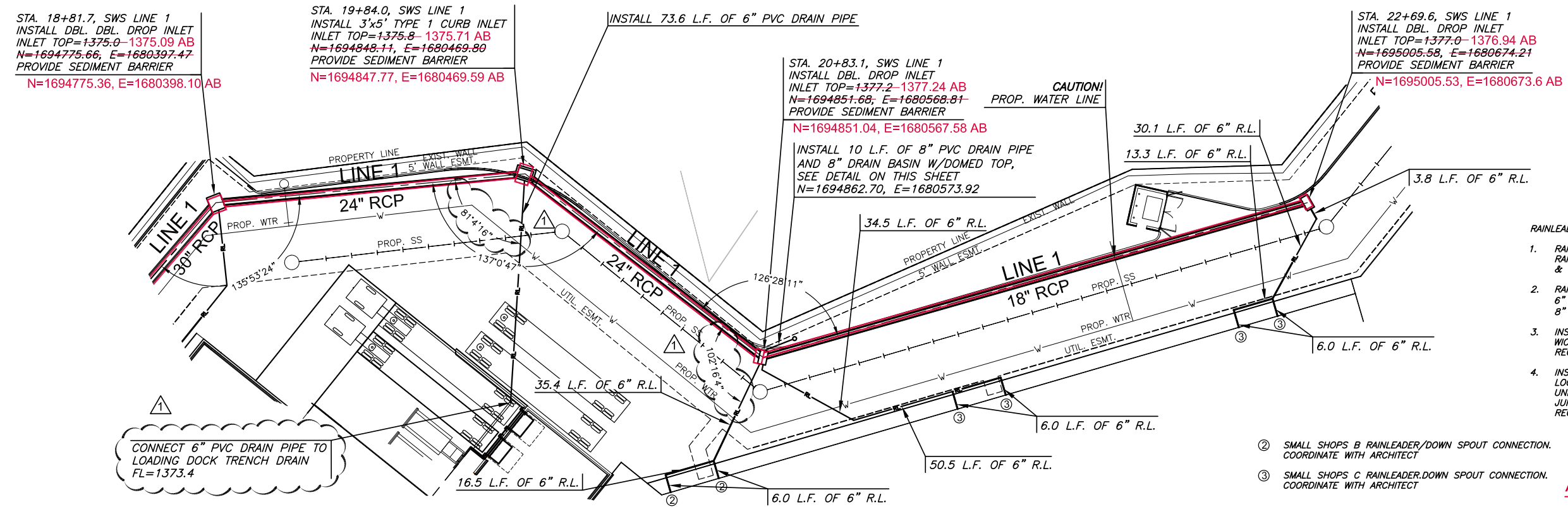
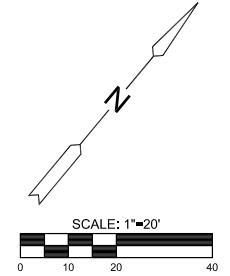


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SWS LINE 1

PROJECT NO.	0183PPD	
DATE	JUNE 2013	
SCALE	1"=20'	
DESIGNED	DRAWN	CHECKED
SLF	BKS	GJA
1	ADDENDA #1	07/25/13
NO.	REVISION	DATE
SHEET NO.		

J:\CIVIL\4274\DWG\PRIVATE PROJECTS\SWS04274 SWS LINE 1.DWG

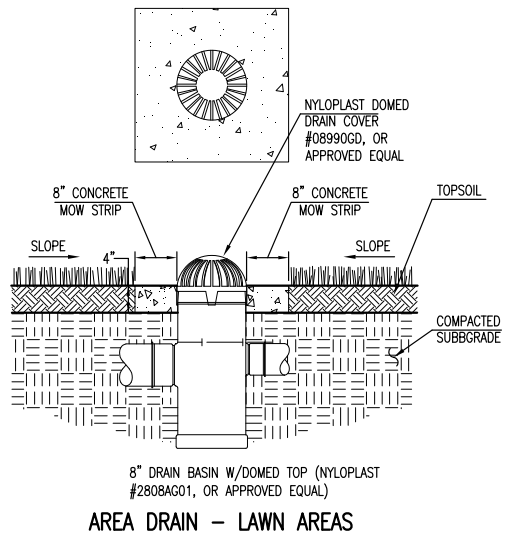
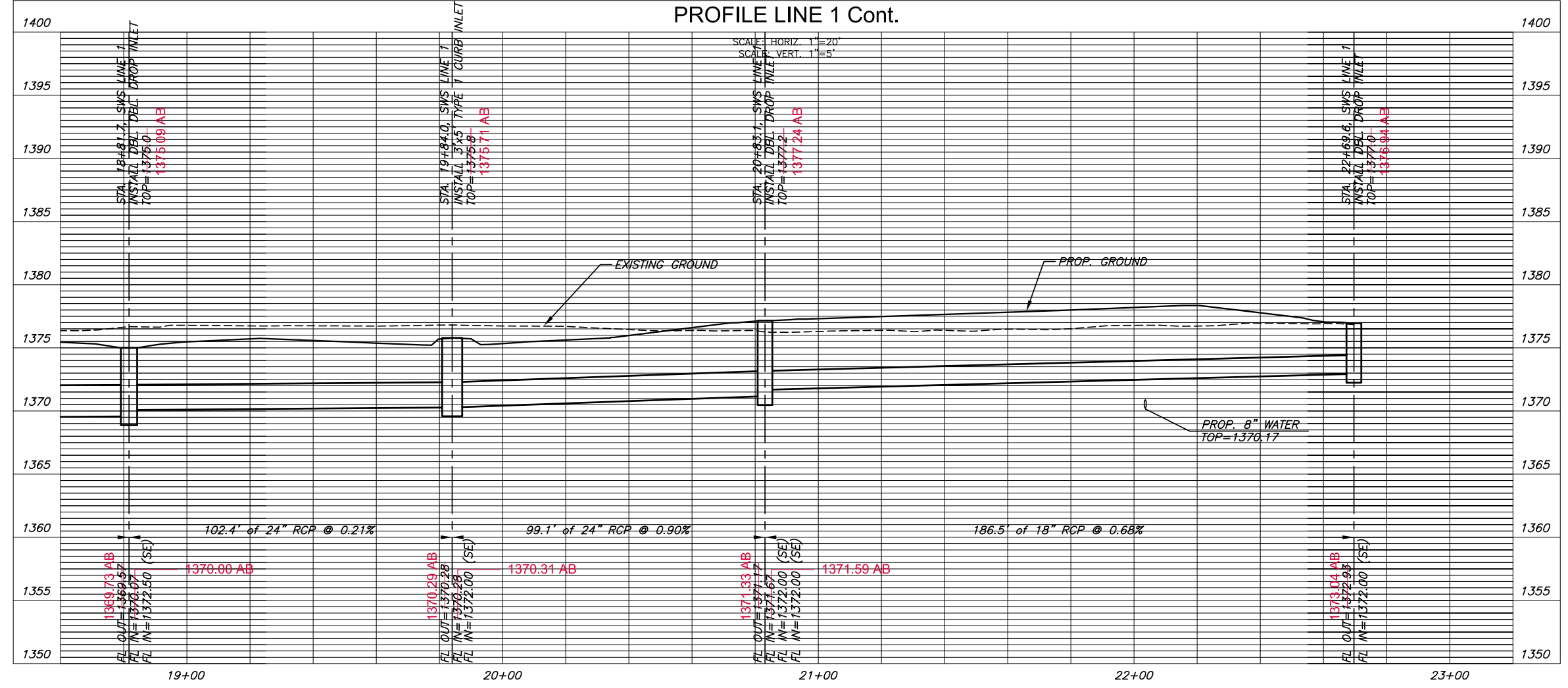


- RAINLEADER NOTES:**
- RAINLEADER LOCATIONS ARE SCHEMATIC IN NATURE. RAINLEADERS SHALL BE INSTALLED TO AVOID HORIZONTAL & VERTICAL CONFLICTS WITH PROPOSED UTILITIES.
 - RAINLEADER PIPE MATERIALS:
6" OR SMALLER - SCHEDULE 40 PVC
8" - ASTM D3034 SDR-35 PVC
 - INSTALL RAINLEADER PVC PIPING SYSTEM PER CITY OF WICHITA STANDARDS AND PLUMBING CODE REQUIREMENTS.
 - INSTALL CLEANOUT ACCESS STRUCTURES AT EACH LOCATION WHERE DOWN SPOUTS CONNECT TO THE UNDERGROUND RAINLEADER PIPING SYSTEM AND AT ALL JUNCTION AND CHANGE OF DIRECTION POINTS AS REQUIRED BY PLUMBING CODE.

- SMALL SHOPS B RAINLEADER/DOWN SPOUT CONNECTION. COORDINATE WITH ARCHITECT
- SMALL SHOPS C RAINLEADER/DOWN SPOUT CONNECTION. COORDINATE WITH ARCHITECT

AS-BUILT PLANS - JUNE 2014

PLAN LINE 1 Cont.
PROFILE LINE 1 Cont.



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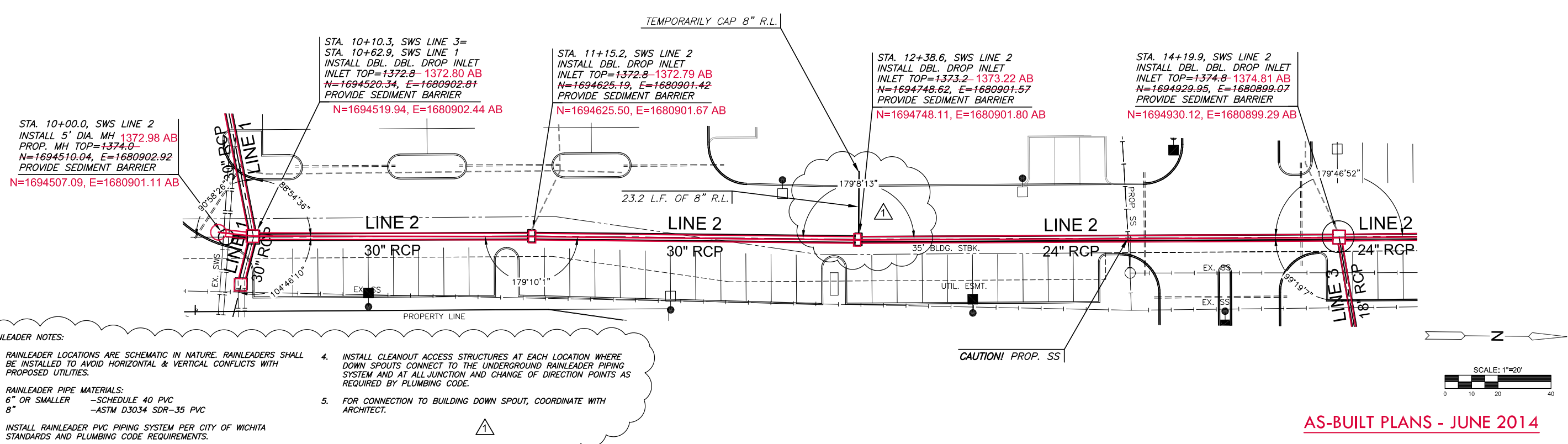
SWS LINE 1		
PROJECT NO.	0183PPD	
DATE	JUNE 2013	
SCALE	1"=20'	
DESIGNED	DRAWN	CHECKED
SLF	BKS	GJA
1	ADDENDA #1	07/25/13
NO.	REVISION	DATE
SHEET NO.		
9 OF 14		

J:\CIVIL\0424\DWG\PRIVATE PROJECTS\SWS\04274 SWS LINE 1B.DWG

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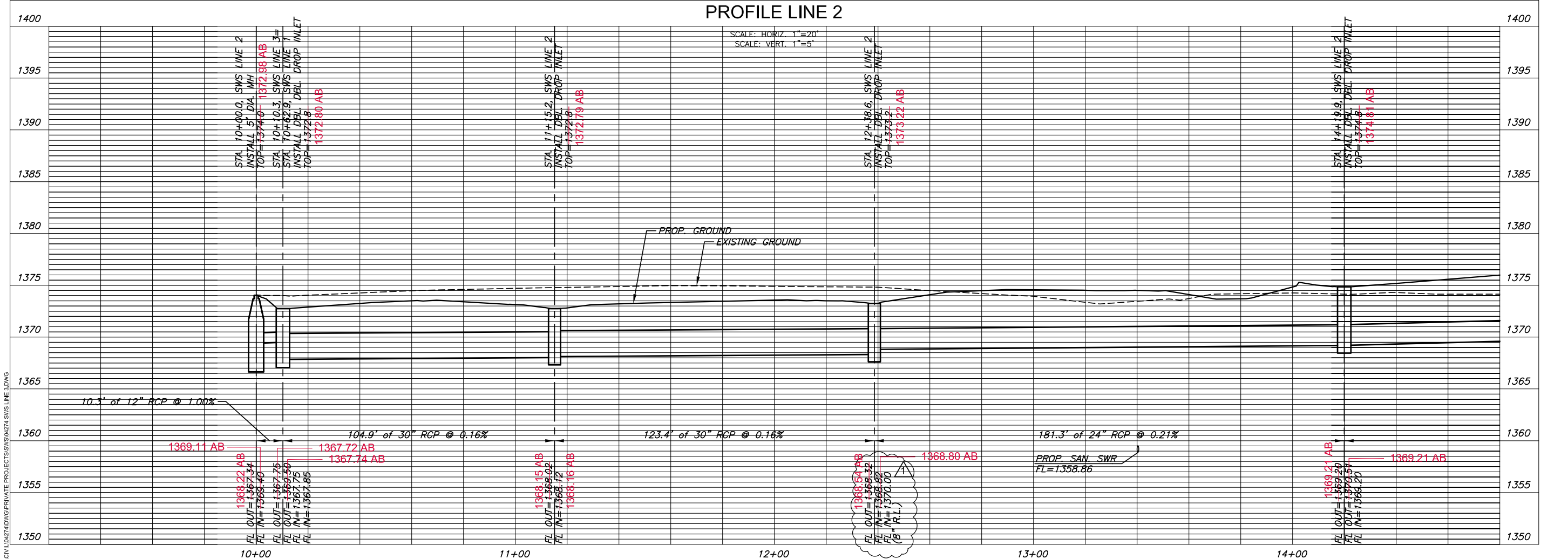
SWS LINE 2

PROJECT NO.	0183PPD	
DATE	JUNE 2013	
SCALE	1"=20'	
DESIGNED	DRAWN	CHECKED
SLF	BKS	GJA
NO.	REVISION	DATE
1	PHASE 2 PAD REVISION	3/4/14



- RAINLEADER NOTES:**
- RAINLEADER LOCATIONS ARE SCHEMATIC IN NATURE. RAINLEADERS SHALL BE INSTALLED TO AVOID HORIZONTAL & VERTICAL CONFLICTS WITH PROPOSED UTILITIES.
 - RAINLEADER PIPE MATERIALS:
6" OR SMALLER - SCHEDULE 40 PVC
8" - ASTM D3034 SDR-35 PVC
 - INSTALL RAINLEADER PVC PIPING SYSTEM PER CITY OF WICHITA STANDARDS AND PLUMBING CODE REQUIREMENTS.
 - INSTALL CLEANOUT ACCESS STRUCTURES AT EACH LOCATION WHERE DOWN SPOUTS CONNECT TO THE UNDERGROUND RAINLEADER PIPING SYSTEM AND AT ALL JUNCTION AND CHANGE OF DIRECTION POINTS AS REQUIRED BY PLUMBING CODE.
 - FOR CONNECTION TO BUILDING DOWN SPOUT, COORDINATE WITH ARCHITECT.

**PLAN LINE 2
PROFILE LINE 2**

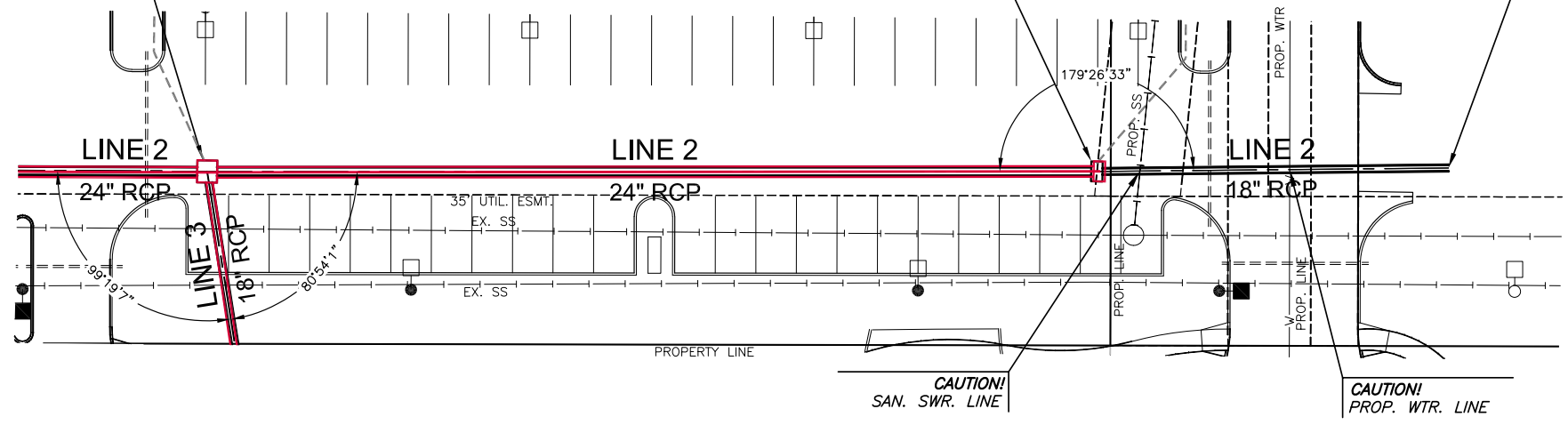


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STA. 14+19.9, SWS LINE 2
INSTALL DBL. DBL. DROP INLET
INLET TOP=1374.8-1374.81 AB
N=1694929.95, E=1680899.07
PROVIDE SEDIMENT BARRIER
N=1694930.12, E=1680899.29 AB

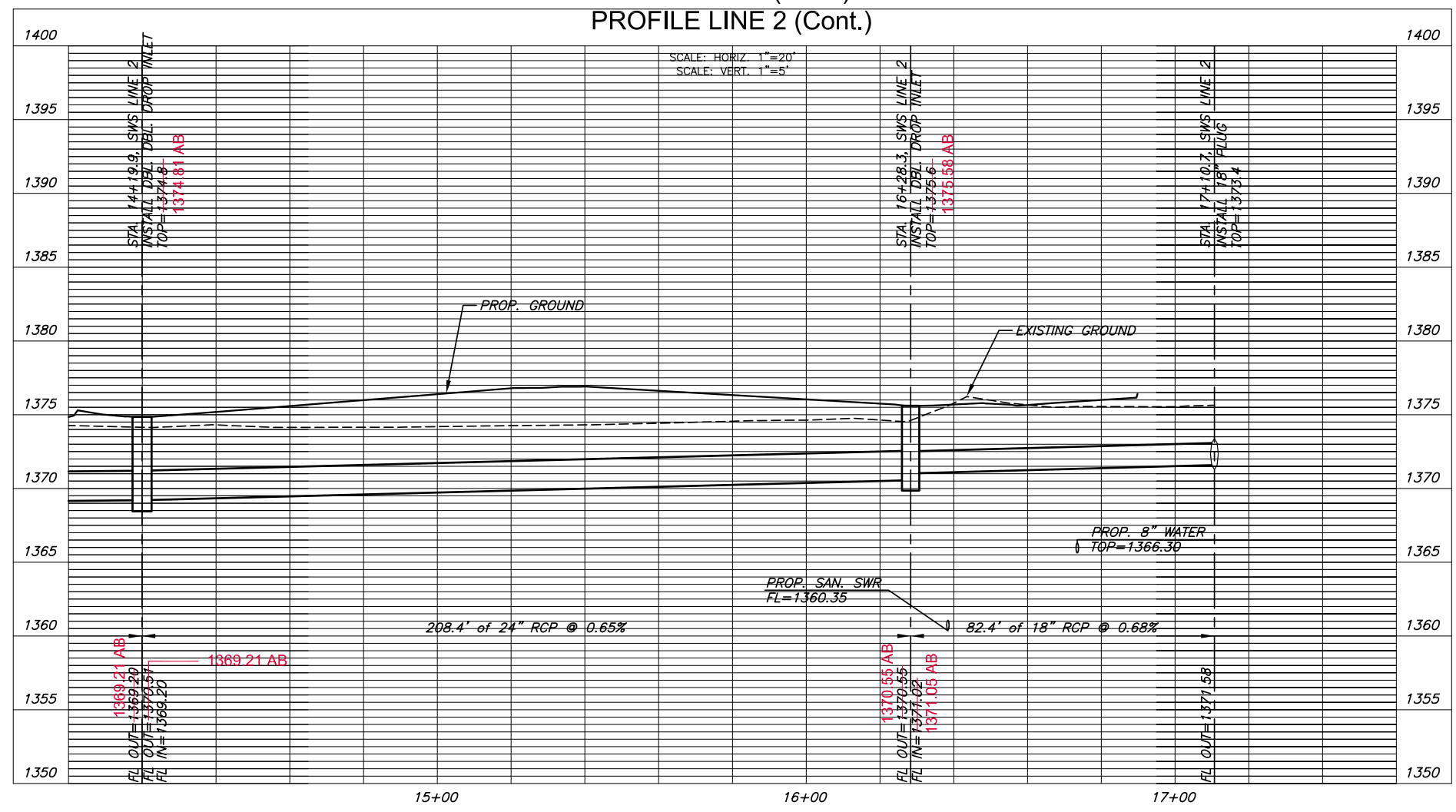
STA. 16+28.3, SWS LINE 2
INSTALL DBL. DROP INLET
INLET TOP=1375.6-1375.58 AB
N=1695138.29, E=1680895.40
PROVIDE SEDIMENT BARRIER
N=1695138.88, E=1680895.37 AB

STA. 17+10.7, SWS LINE 2
INSTALL TEMPORARY 18" PLUG,
MARK END OF PIPE WITH VERTICAL
1" PVC WRAPPED IN GREEN MARKING
TAPE SIMILAR TO C.O.W. VERTICAL
RISER ASSEMBLY DETAIL
N=1695220.62, E=1680893.15



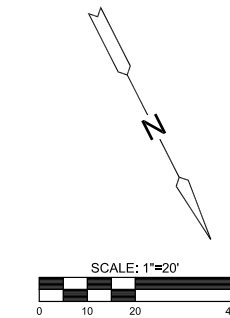
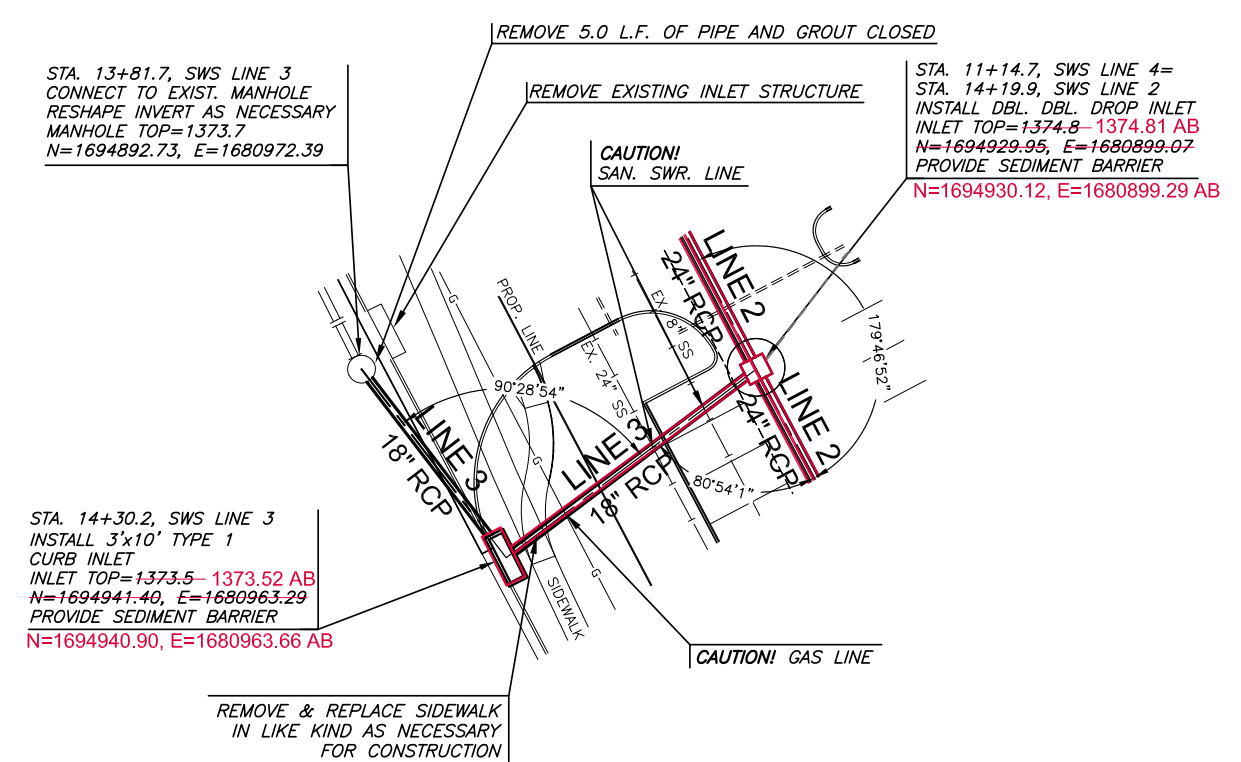
AS-BUILT PLANS - JUNE 2014

PLAN LINE 2 (Cont.)
PROFILE LINE 2 (Cont.)



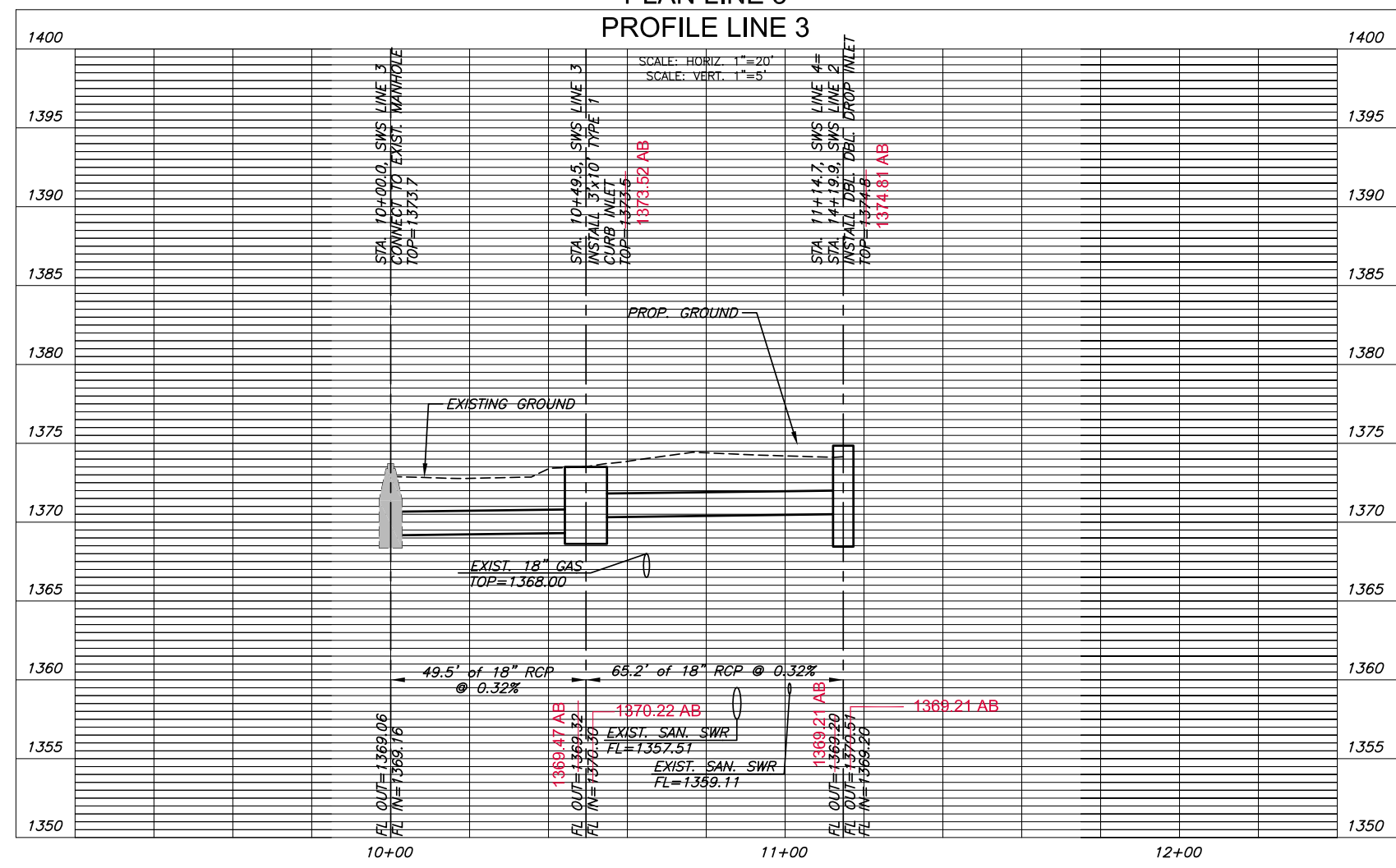
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SWS LINE 2		
PROJECT NO.	0183PPD	
DATE	JUNE 2013	
SCALE	1"=20'	
DESIGNED	DRAWN	CHECKED
SLF	BKS	GJA
#	---	##/##/##
NO.	REVISION	DATE
SHEET NO.		
11 OF 14		



AS-BUILT PLANS - JUNE 2014

PLAN LINE 3
PROFILE LINE 3



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SWS LINE 3

PROJECT NO.	0183PPD	
DATE	JUNE 2013	
SCALE	1"=20'	
DESIGNED	DRAWN	CHECKED
SLF	BKS	GJA
#	---	###/##/##
NO.	REVISION	DATE



FINAL PLAT FOLIAGE CENTER ADDITION AN ADDITION TO WICHITA, SEDGWICK COUNTY, KANSAS

PLANNING COMMISSION CERTIFICATE

This plat of "FOLIAGE CENTER ADDITION" has been submitted to and approved by the Wichita-Sedgwick County Metropolitan Area Planning Commission, Wichita, Kansas.
Dated this 26th day of January, 2008
WICHITA-SEDGWICK COUNTY METROPOLITAN AREA PLANNING COMMISSION

Darrell Downing
Darrell Downing, Chair

Attest: *John L. Schlicht*
John L. Schlicht, Secretary



GOVERNING BODY CERTIFICATE

The dedications shown on this plat are hereby accepted and this plat is hereby approved by the governing body of the City of Wichita, Kansas.

Dated this 26th day of February, 2008

At the direction of the City Council.

Carl Bryner
Carl Bryner, Mayor

Attest: *Karen Sublett*
Karen Sublett, City Clerk

TRANSFER RECORD

STATE OF KANSAS, SEDGWICK COUNTY) ss:
Entered on transfer record this 26th day of January, 2009

Kelly B. Arnold
Kelly B. Arnold, County Clerk



REGISTER OF DEEDS CERTIFICATE

This is to certify that this instrument was filed for record in the Register of Deeds office this 26th day of January, 2008, at 12:37:30 o'clock PM, and is duly recorded.

For *John F. Buckling*
John F. Buckling, Register of Deeds

Attest: *Tonya E. Buckingham*
Tonya E. Buckingham, Deputy



Date Recorded: 1/26/2009 12:37:30 PM

COUNTY SURVEYOR

Reviewed in accordance with K.S.A. 58-2005 on this 26th day of January, 2008.



Tricia L. Robello
Tricia L. Robello, LS #1246
Deputy County Surveyor
Sedgwick County, Kansas



411 N. WEBB ROAD
WICHITA, KS. 67208
316-684-9600

CERTIFICATE OF SURVEY

I, Gregory J. Allison, a registered land surveyor in Kansas, do hereby certify that I have been in responsible charge of surveying and plotting of "FOLIAGE CENTER ADDITION", an addition to Wichita, Sedgwick County, Kansas, into a Lot, a Block, and Streets the same being accurately set forth in the accompanying plat and described herein.

A tract of land lying in the Southeast Quarter, Section 8, Township 27 South, Range 2 East, of the 6th Principal Meridian, Wichita, Sedgwick County, Kansas; said tract being more particularly described as follows:
BEGINNING at the southeast corner of said Southeast Quarter, thence along the south line of said Southeast Quarter, S89°04'48"W, 619.98 feet; thence N00°55'13"W, 416.88 feet; thence N89°04'48"E, 20.17 feet; thence N43°08'45"E, 90.57 feet; thence N89°04'48"E, 99.83 feet; thence N26°32'56"E, 133.03 feet; thence N89°04'48"E, 48.13 feet; thence N00°53'35"W, 32.10 feet; thence S89°04'48"W, 10.64 feet; thence N00°53'35"W, 128.04 feet; thence N89°06'25"E, 338.42 feet to a point on the east line of said Southeast Quarter; thence along said east line, S00°53'35"E, 759.97 feet to the POINT OF BEGINNING,
TOGETHER WITH,
COMMENCING at the southeast corner of Reserve "A", Foliage Second Addition, an addition to Wichita, Sedgwick County, Kansas, thence along the east line of said Reserve "A" for the next two courses, N00°54'45"W, 269.10 feet to a point on a curve to the left; thence along the said curve 22.82 feet, said curve having a central angle of 06°41'24", a radius of 195.54 feet, and a long chord distance of 22.82 feet, bearing N04°15'27"W; thence N89°04'47"E, 172.85 feet; thence N00°55'13"W, 75.00 feet; thence N89°04'48"E, 20.17 feet; thence N43°08'45"E, 90.57 feet; thence N89°04'48"E, 99.83 feet; thence N26°32'56"E, 133.03 feet to the POINT OF BEGINNING; thence N48°31'12"E, 49.37 feet; thence N89°04'48"E, 10.64 feet; thence S00°53'35"E, 32.10 feet; thence S89°04'48"W, 48.13 feet to the POINT OF BEGINNING.

All reserves, streets, easements, setbacks, and access controls, together with, that portion of easement recorded on Film 476, Page 289, together with, that portion of easement recorded on Film 532, Page 1100, together with, that portion of easement recorded on Film 843, Page 888, together with, all of an easement recorded on Film 518, Page 849, together with that portion of easement for right-of-way recorded on Film 1624, Page 1445, together with all other public dedications or rights-of-way(s) within the above described property are hereby vacated and replatted by virtue of K.S.A. 12-512(b).

I hereby certify that the details of this plat are correct to the best of my knowledge and belief this 26th day of September, 2008.



Gregory J. Allison, PE, LS #1257
MKEC Engineering Consultants, Inc.
411 North Webb Road
Wichita, Kansas 67206

OWNER'S CERTIFICATE

Know all men by these presents that we the undersigned property owners of the land above set forth in the Registered Land Surveyor's Certificate, have caused the same to be surveyed and plotted into a Lot, and a Block, Streets the same to be known as "FOLIAGE CENTER ADDITION," an addition to Wichita, Sedgwick County, Kansas.

Easements for the construction and maintenance of public utilities, as indicated hereon, are hereby granted to and for the use of the public. The wall easements are non-exclusive and are platted for the construction and maintenance of a private wall; utilities may cross under the private wall.

The streets are hereby dedicated to and for the use of the public.

All abutters rights of access to or from 13th Street over and across the south line of "FOLIAGE CENTER ADDITION," are hereby granted to the appropriate governing body, provided however, Lot 1 is allowed a full movement connection to 13th Street as indicated hereon. All abutters rights of access to or from Webb Road over and across the east line of "FOLIAGE CENTER ADDITION," are hereby granted to the appropriate governing body, provided however, Lot 1 is allowed two full movement connections to Webb Road as indicated hereon. These access controls are hereby granted to the City of Wichita, Kansas.

A drainage plan has been developed for this plat and all drainage easements, right-of-way, or reserves shall remain at established grades or as modified with the approval of the applicable City or County Engineer, and unobstructed to allow for the conveyance of storm water. Lot 1 shall be required to adhere to the minimum pad elevation as per the "Minimum Pad Elevations" table shown hereon.

This plat shall adhere and conform to the recitals of CUP 2005-09, DP-282 as approved and filed at the Wichita-Sedgwick County Metropolitan Planning Area Department.

BEECH LAKE INVESTMENT, LLC, a Kansas limited liability company

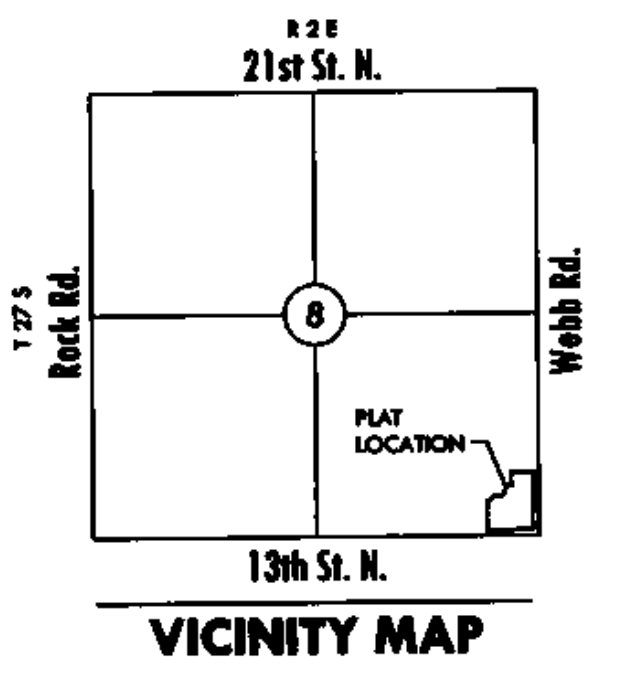
Johnny Stevens
Johnny Stevens, manager

STATE OF KANSAS, SEDGWICK COUNTY) ss:
This instrument was acknowledged before me on 26th day of October, 2008, by *Johnny Stevens*, manager, Beech Lake Investment, LLC, a Kansas limited liability company.

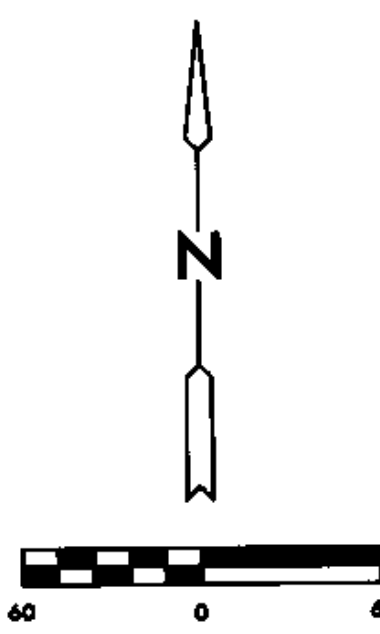
IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year last above written.



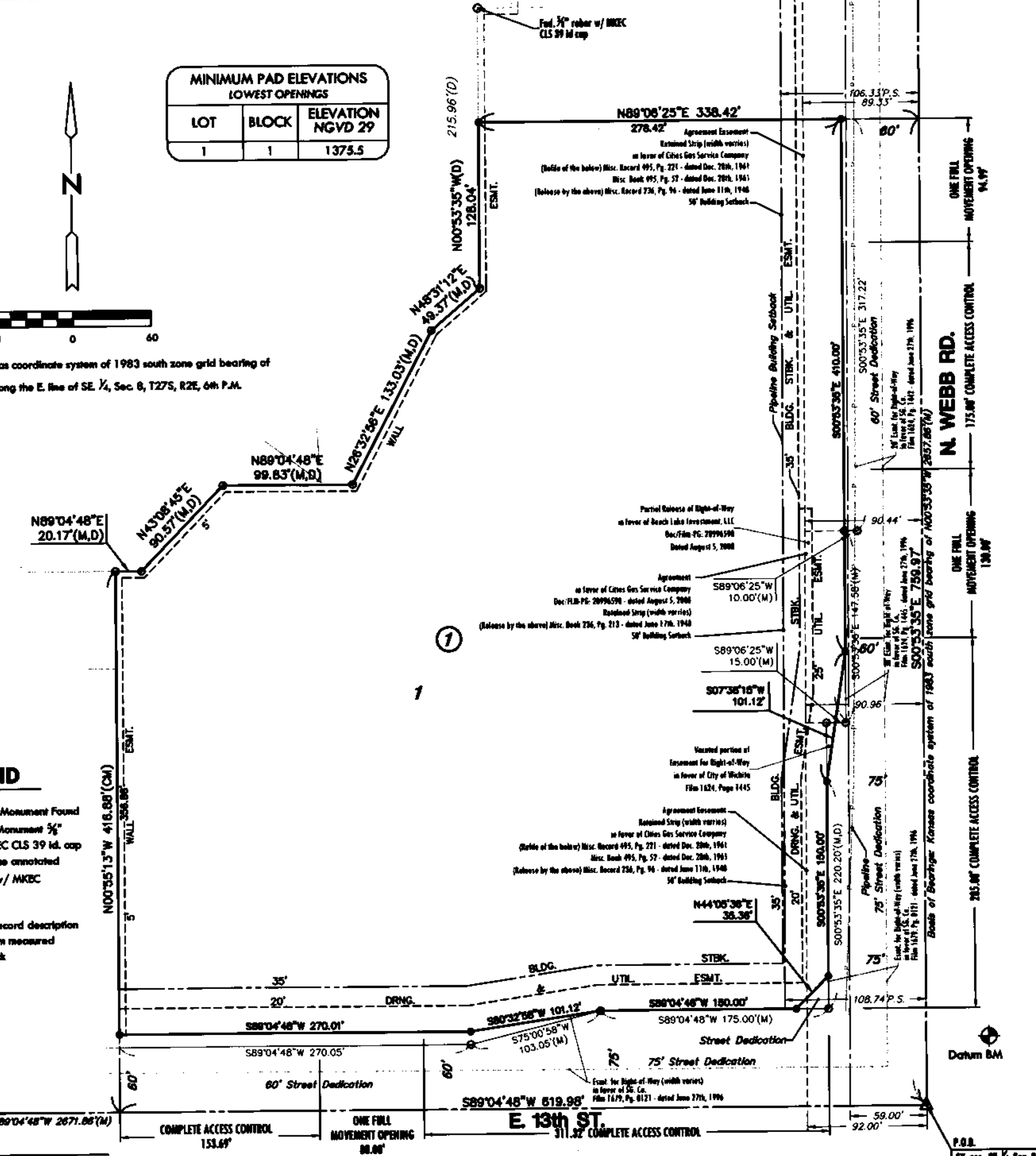
Sandra M. Stevens
Sandra M. Stevens, Notary Public
My Term Expires: 9-20-2010



LOT	BLOCK	ELEVATION NGVD 29
1	1	1375.5



Base of Bearings: Kansas coordinate system of 1983 south zone grid bearing of N00°53'35"W along the E. line of SE 1/4, Sec. 8, T27S, R2E, 6th P.M.



- ### LEGEND
- △ = Section Corner Monument Found
 - = Found Survey Monument 3/4" rebar w/ MKEC CLS 39 id. cap unless otherwise constructed
 - = Set 3/4" rebar w/ MKEC CLS 39 id. cap
 - (M) = Measured
 - (D) = Described or record description
 - (CM) = Calculated from measured
 - P.S. = Pipeline setback

NOTE
This plat shall adhere and conform to the recitals of CUP 2005-09, DP-282 as approved and filed at the Wichita-Sedgwick County Metropolitan Planning Area Department.

STORM WATER SEWER PLAN FOR
FOLIAGE CENTER ADDITION
WICHITA, KS

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FOLIAGE CENTER FINAL PLAT		
PROJECT NO.	0183PPD	
DATE	JUNE 2013	
SCALE	NTS	
DESIGNED	SLF	
DRAWN	SPE	
CHECKED	GJA	
#		
NO.	REVISION	DATE