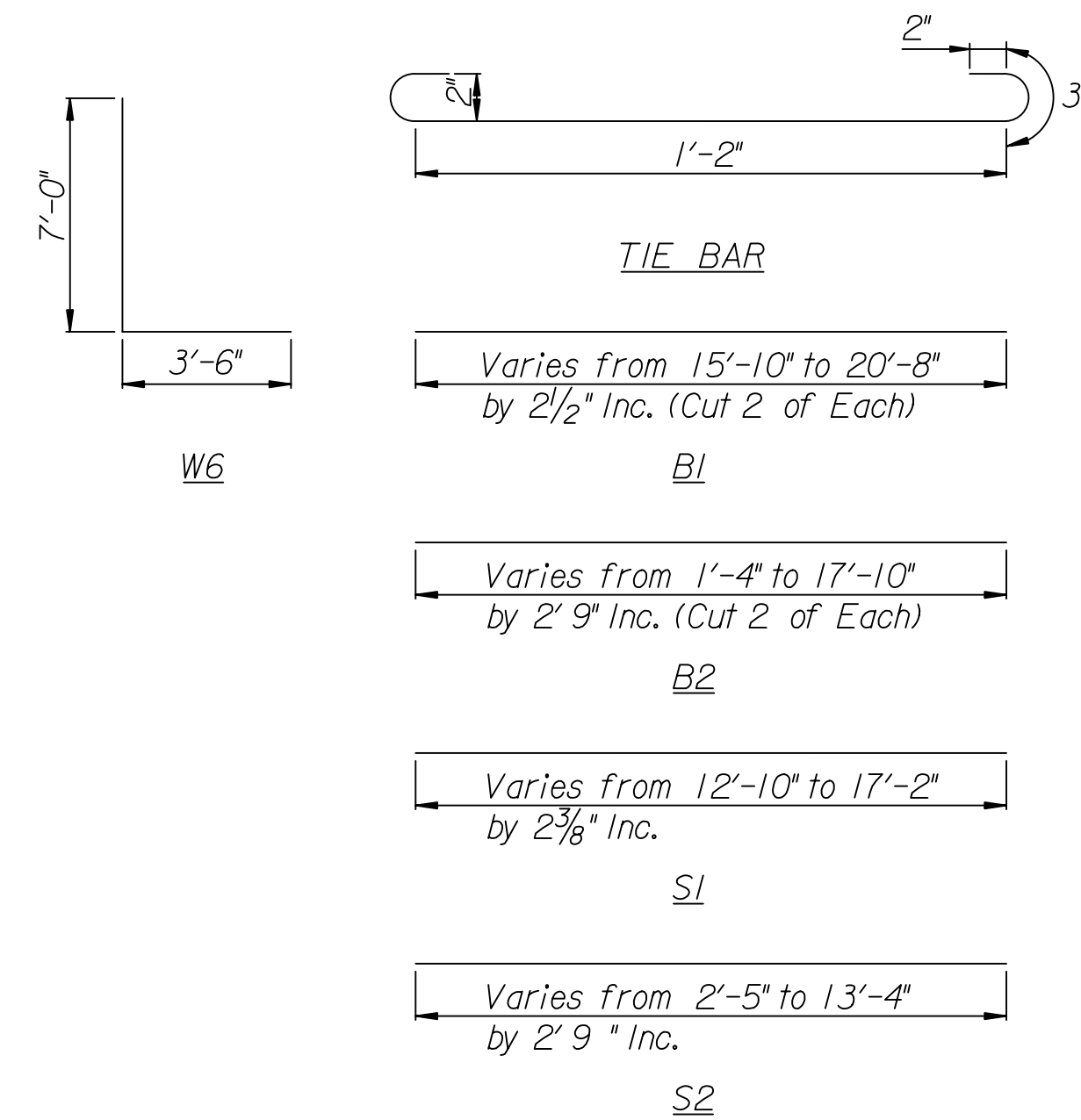


3-PIPE SIPHON STRUCTURE #1

BAR LIST							
(STRAIGHT)				(BENT)			
BAR	NO.	SIZE	LENGTH	BAR	NO.	SIZE	LENGTH
B1	52	#7	Varies	W6	71	#7	10'-6"
B2	12	#6	Varies				
B3	44	#6	19'-2"	Tie	75	#4	2'-0"
B4	6	#5	19'-9"				
S1	21	#5	Varies				
S2	5	#5	Varies				
S3	18	#5	16'-2"				
S4	3	#5	16'-9"				
W1	153	#5	21'-4"				
W2	52	#5	17'-3"				
W3	52	#5	16'-2"				
W4	52	#5	16'-9"				
W5	52	#5	12'-9"				
X1	8	#7	4'-4"				
X2	16	#7	5'-0"				
X3	16	#7	9'-0"				
X4	24	#7	4'-8"				

BILL OF MATERIALS		
Item	Quantity	Unit
Reinforcing Steel (Grade 60)	13445	Lbs.
Concrete (Grade 4.0)(AE)	94.89	C.Y.

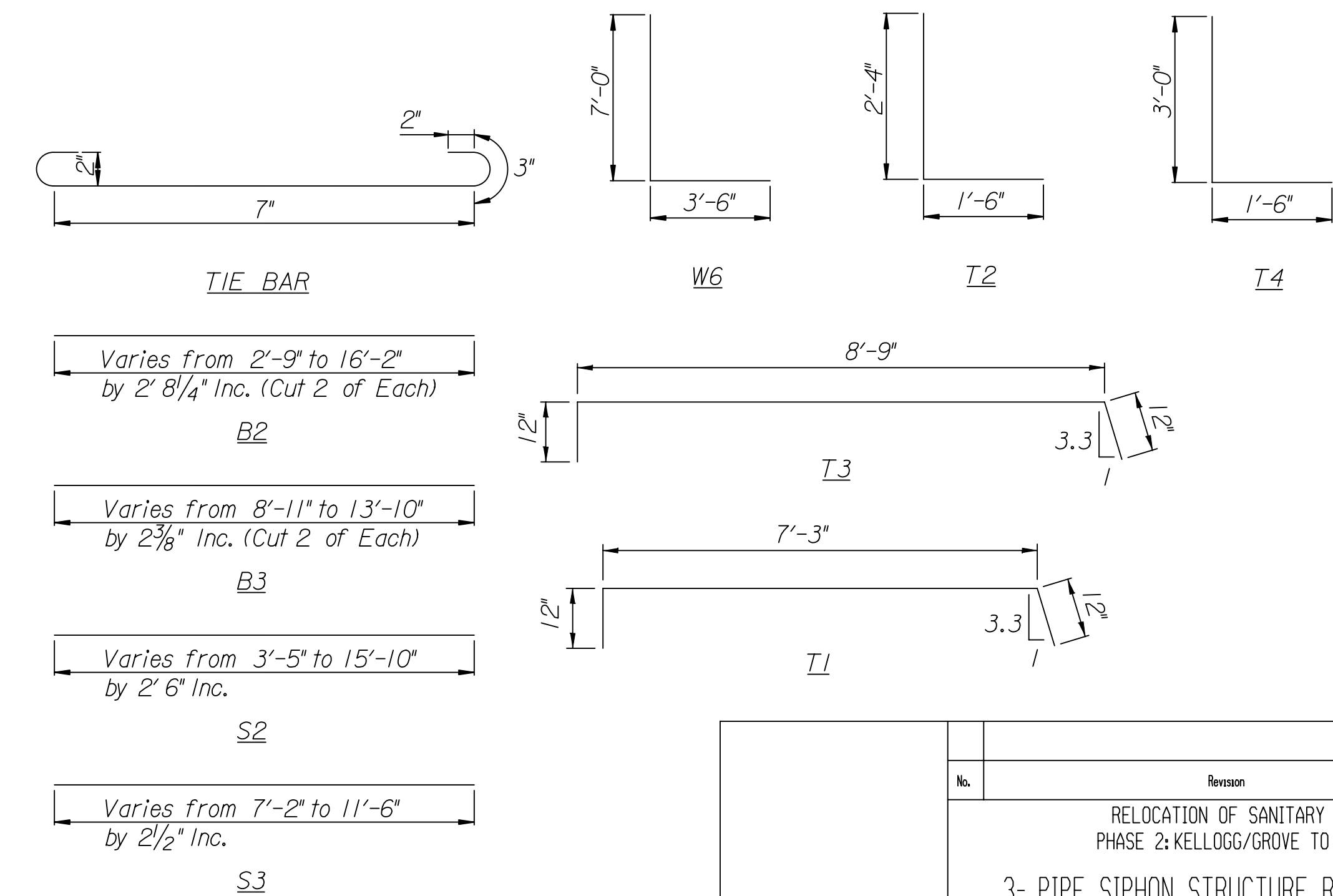


BENDING DIAGRAMS

3-PIPE SIPHON STRUCTURE #2

BAR LIST							
(STRAIGHT)				(BENT)			
BAR	NO.	SIZE	LENGTH	BAR	NO.	SIZE	LENGTH
B1	26	#7	17'-10"	T1	4	#4	9'-3"
B2	12	#6	Varies	T2	17	#5	3'-10"
B3	52	#6	Varies	T3	5	#4	10'-9"
B4	6	#5	18'-6"	T4	20	#5	4'-6"
S1	9	#5	15'-10"	W6	61	#7	7'-0"
S2	6	#5	Varies				
S3	22	#5	Varies	Tie	56	#4	1'-5"
S4	3	#5	16'-5"				
W1	138	#5	17'-1"				
W2	42	#5	15'-10"				
W3	42	#5	7'-1"				
W4	42	#5	11'-6"				
W5	42	#5	16'-5"				
X1	8	#7	4'-4"				
X2	16	#7	5'-0"				
X3	8	#7	6'-6"				
X4	24	#7	4'-8"				

BILL OF MATERIALS		
Item	Quantity	Unit
Reinforcing Steel (Grade 60)	11158	Lbs.
Concrete (Grade 4.0)(AE)	46.65	S.Y.



BENDING DIAGRAMS

Plotted By: wil Date: 3/2/2010 10:17:03 AM
 FILE: I:\2007\07600-001\07600-001-CS-REINFORCING.dgn

No.	Revision	By	Date
RELOCATION OF SANITARY SEWER NO. 23 PHASE 2: KELLOGG/GROVE TO PAWNEE/1-135 3- PIPE SIPHON STRUCTURE REINFORCING DETAILS JAMES L. ARMOUR, P.E. - CITY ENGINEER CITY OF WICHITA PROJECT NO. 468-84375 Professional Engineering Consultants, P.A. 303 S. TOPEKA • WICHITA, KANSAS 67202 316-262-2691 • FAX 316-262-3003			
Designed by	RJM	Job No.	35-07600-001
Drawn by	CP	Date	AUGUST 2008

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