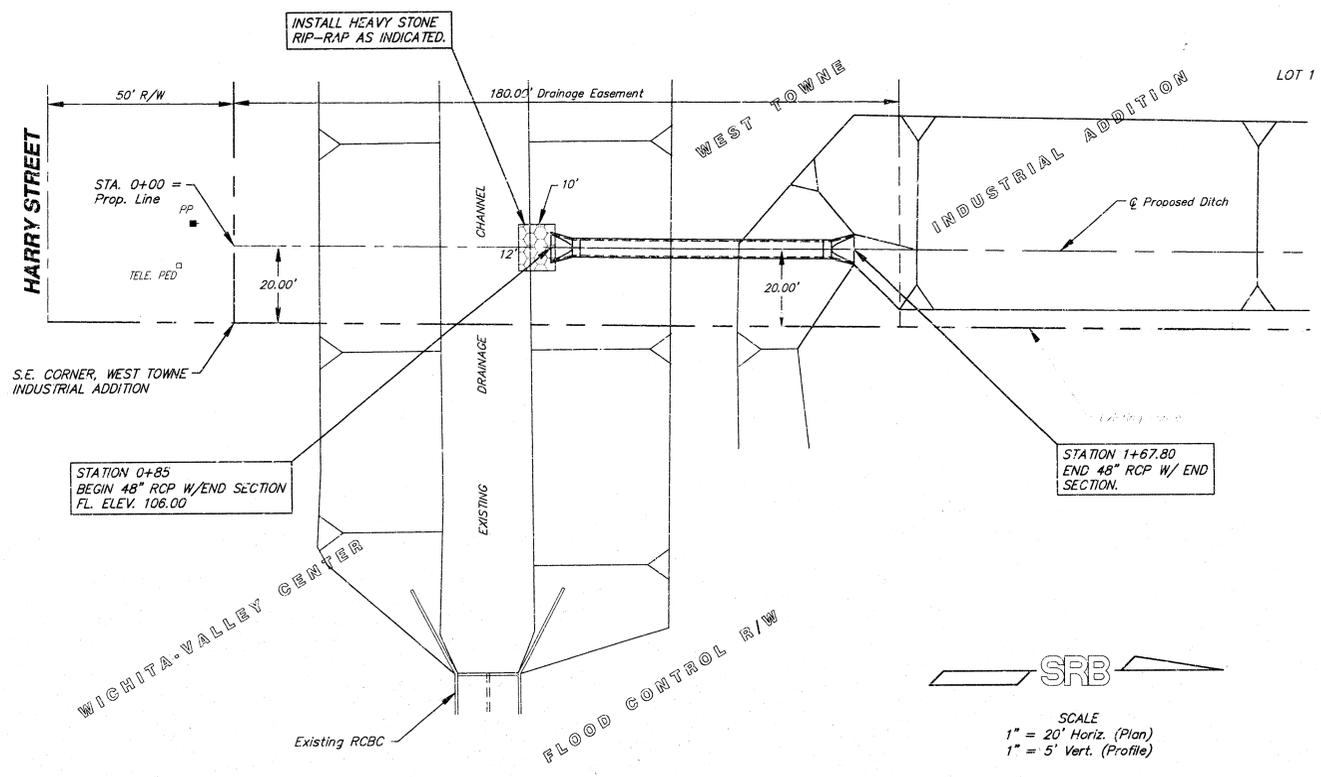


LOCATION MAP



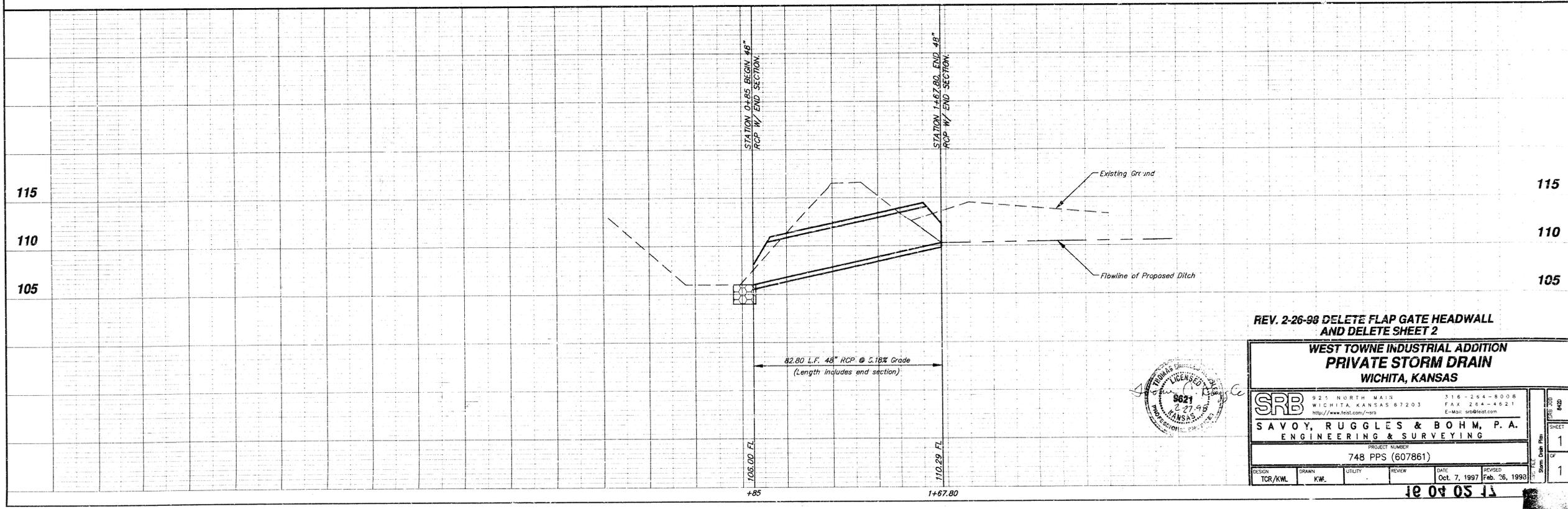
GENERAL NOTES

Traffic will not be affected by construction of this project.
 The Contractor shall contact Bob Jennings w/ the Wichita-Sedgwick County Flood Control Office @ 255-4090 a minimum of ten (10) days prior to start of construction.
 Storm sewer shall be constructed in accordance with the City of Wichita Standard Specifications for Storm Sewer Construction.
 All areas in public R/W disturbed by construction activities shall be restored in accordance with City of Wichita Administrative Regulation AR-78.

APPROVED AS NOTED
 BY CITY ENGINEER OF WICHITA

Sanitary Sewers _____
 Storm Sewers KRH 2/27/98
 Driveway Approaches _____
 Water Mains _____
 Paving _____

NOTE TO CONTRACTORS
 Inspection and testing for this project are 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 Licensed Professional Engineer. No work shall be performed in dedicated easements or public right-of-way by the Contractor without such inspection, nor shall any work be commenced without written authorization by the City Engineer.



REV. 2-26-98 DELETE FLAP GATE HEADWALL AND DELETE SHEET 2

WEST TOWNE INDUSTRIAL ADDITION PRIVATE STORM DRAIN WICHITA, KANSAS

SRB 921 NORTH MAIN WICHITA, KANSAS 67203 316-264-8008 FAX 264-4621
 SAVOY, RUGGLES & BOHM, P. A. ENGINEERING & SURVEYING E-Mail: srb@rsat.com

PROJECT NUMBER
 748 PPS (607861)

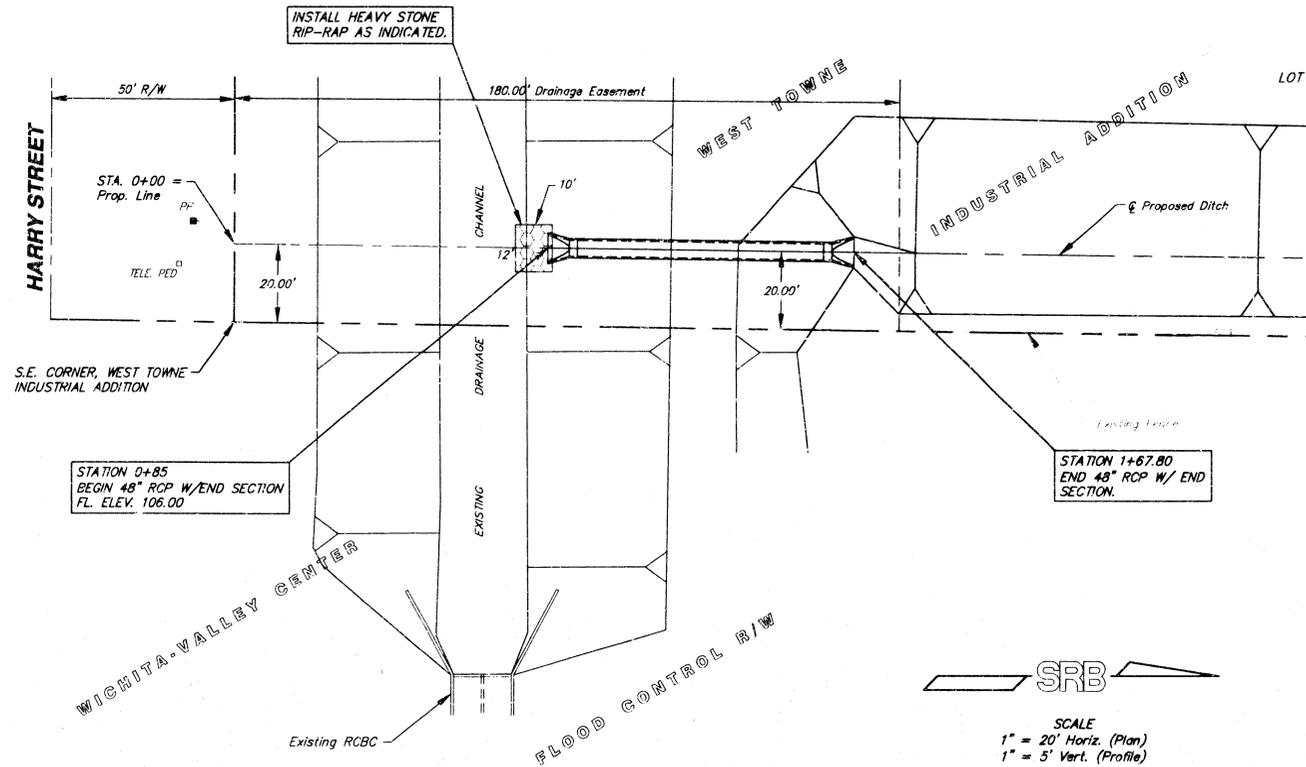
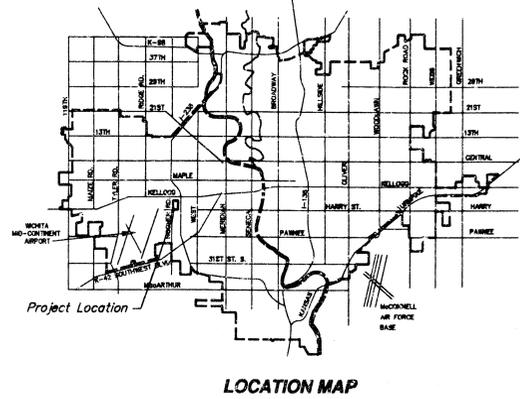
DESIGN: TCR/KWL DRAWN: KWL UTILITY: REVIEW: DATE: Oct. 7, 1997 REVISED: Feb. 26, 1998

SHEET 1 OF 1

115040



F:\Active Projects\Tom Brooks\6420 West Towne Industrial\1\Storm Drain\Plan.dwg Fl: Feb 27 09:18:24 1998 TEB



GENERAL NOTES

Traffic will not be affected by construction of this project.

The Contractor shall contact Bob Jennings w/ the Wichita-Sedgwick County Flood Control Office @ 268-4090 a minimum of ten (10) days prior to start of construction.

Storm sewer shall be constructed in accordance with the City of Wichita Standard Specifications for Storm Sewer Construction.

All areas in public R/W disturbed by construction activities shall be restored in accordance with City of Wichita Administrative Regulation AR-78.

APPROVED AS NOTED
BY CITY ENGINEER OF WICHITA

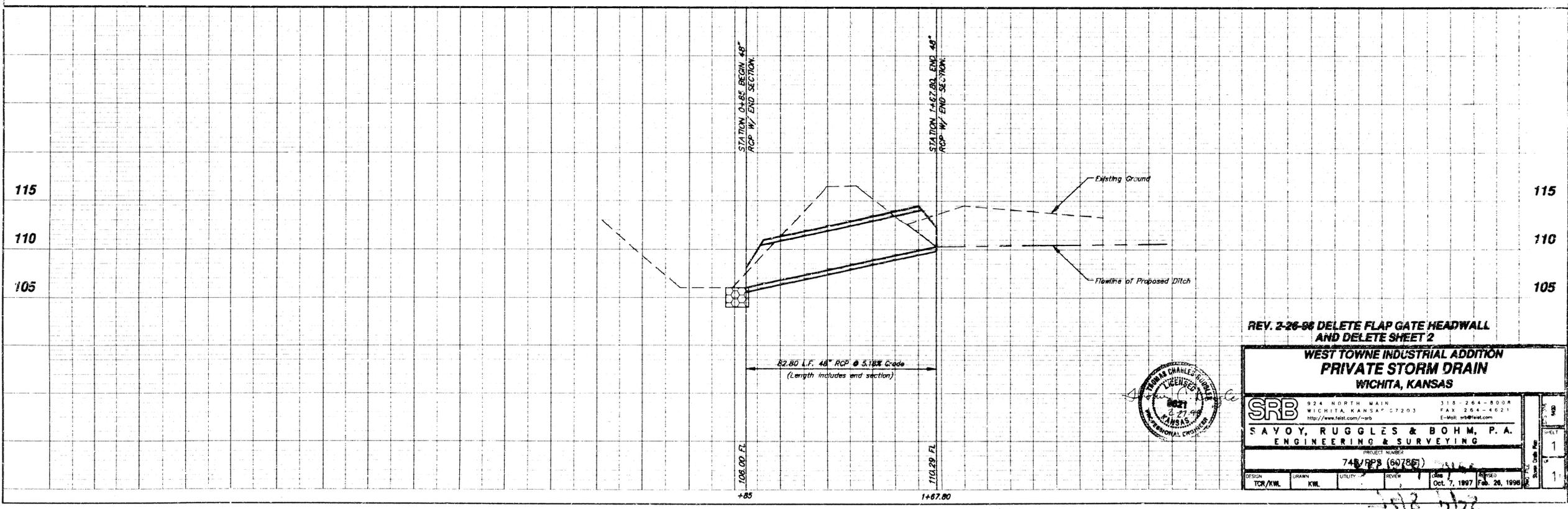
Sanitary Sewers _____
Storm Sewers VRH 2/27/98
Driveway Approaches _____
Water Mains _____
Paving _____

NOTE TO CONTRACTORS

Inspection and testing for this project are to be provided by a Licensed Consulting Engineering Firm under contract with the Owner/Developer. Self inspection to be in accordance with the City of Wichita standard construction engineering practices and certified by a Licensed Professional Engineer. No work shall be performed in dedicated easements or public right-of-way by the Contractor without such inspection, nor shall any work be commenced without written authorization by the City Engineer.

SRB

SCALE
1" = 20' Horiz. (Plan)
1" = 5' Vert. (Profile)



REV. 2-26-98 DELETE FLAP GATE HEADWALL AND DELETE SHEET 2

**WEST TOWNE INDUSTRIAL ADDITION
PRIVATE STORM DRAIN
WICHITA, KANSAS**

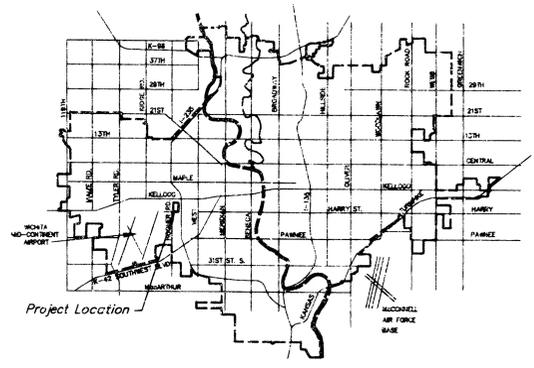
SRB
SAVOY, RUGGLES & BOHM, P.A.
ENGINEERING & SURVEYING

PROJECT NUMBER
748/PPS (60786)

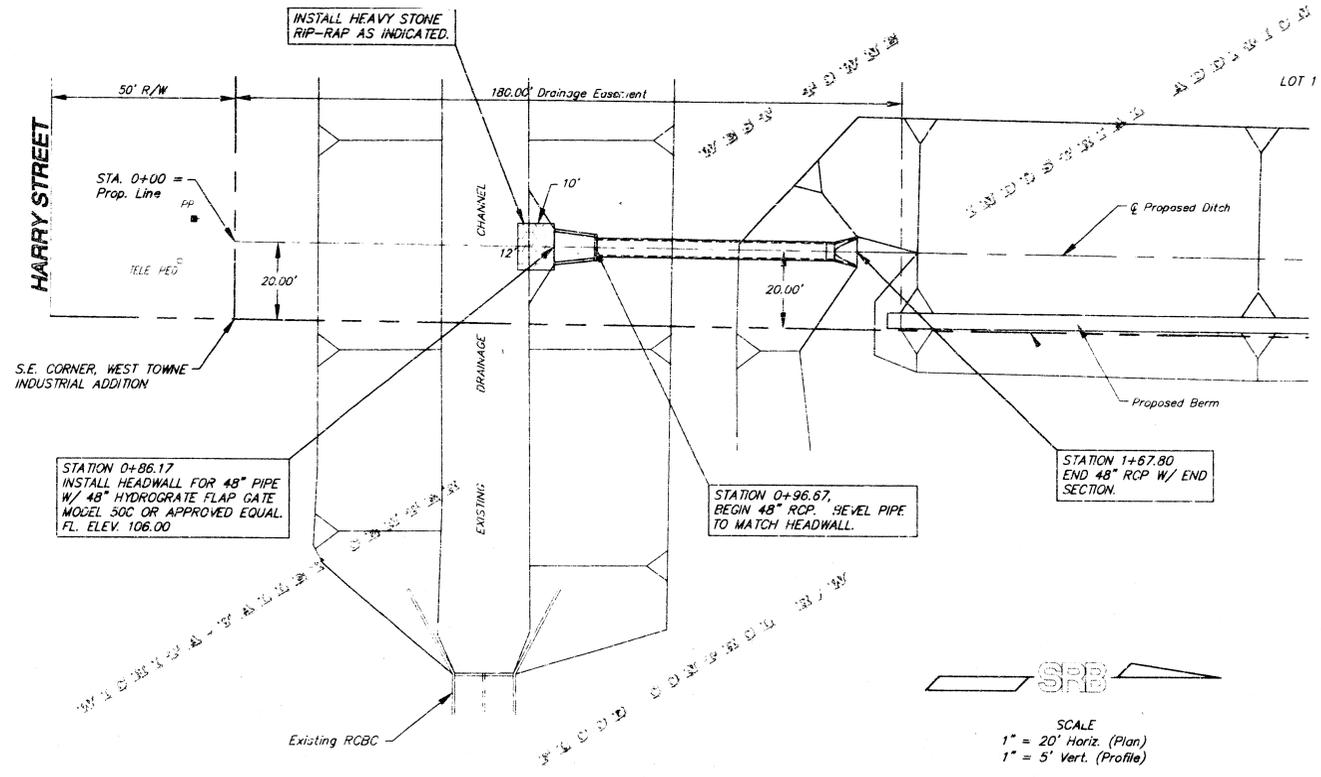
DESIGN	DRAWN	UTILITY	REVIEW	DATE
TCR/KWL	KWL			Oct. 7, 1997

315 264-8008
315 264-4621
http://www.test.com/~srb
E-Mail: srb@test.com

F:\Active Projects\Ton Brooks\B&O West Towne Industrial Add.\Storm Drain Plan.dwg Fri Feb 27 09:13:24 1998 TEB



LOCATION MAP



GENERAL NOTES

Traffic will not be affected by construction of this project.

The Contractor shall contact Bob Jennings w/ the Wichita-Sedgwick County Flood Control Office @ 268-4090 a minimum of ten (10) days prior to start of construction.

Storm sewer shall be constructed in accordance with the City of Wichita Standard Specifications for Storm Sewer Construction.

All areas in public R/W disturbed by construction activities shall be restored in accordance with City of Wichita Administrative Regulation AR-7B.

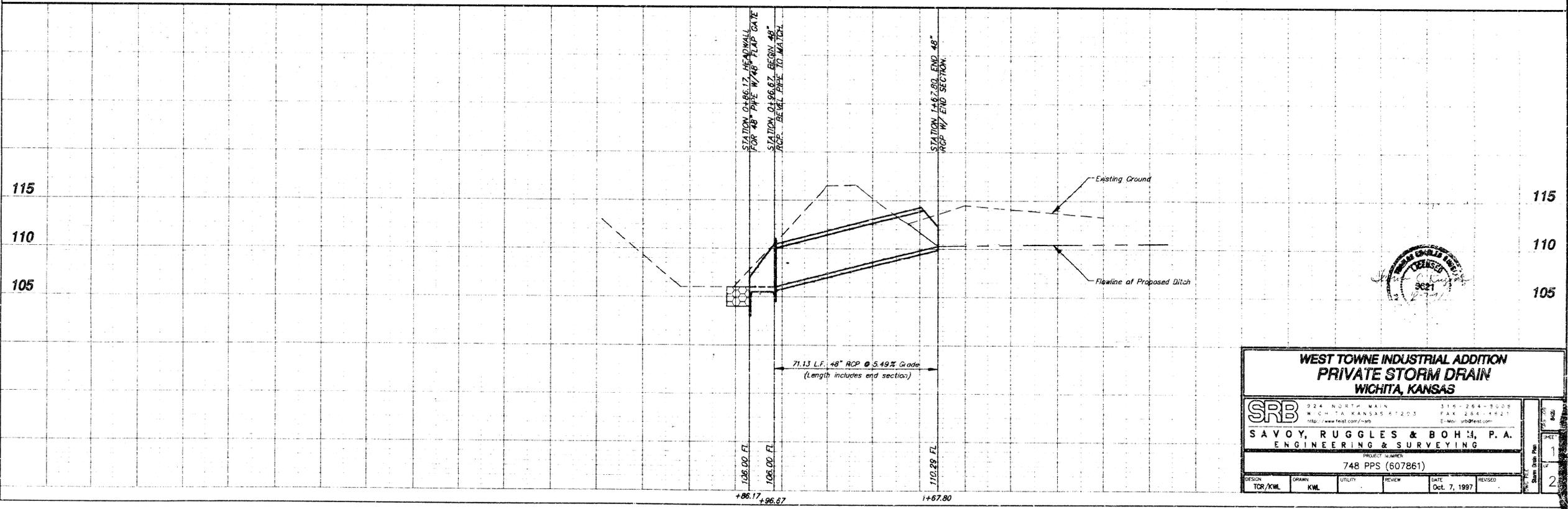
APPROVED AS NOTED
BY CITY ENGINEER OF WICHITA

Sanitary Sewers _____
Storm Sewers VRH 10/9/97
Driveway Approaches _____
Water Mains _____
Paving _____

NOTE TO CONTRACTORS

Inspection and testing for this project are 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 Licensed Professional Engineer. No work shall be performed in dedicated easements or public right-of-way by the Contractor without such inspection, nor shall any work be commenced without written authorization by the City Engineer.

SCALE
1" = 20' Horiz. (Plan)
1" = 5' Vert. (Profile)



**WEST TOWNE INDUSTRIAL ADDITION
PRIVATE STORM DRAIN
WICHITA, KANSAS**

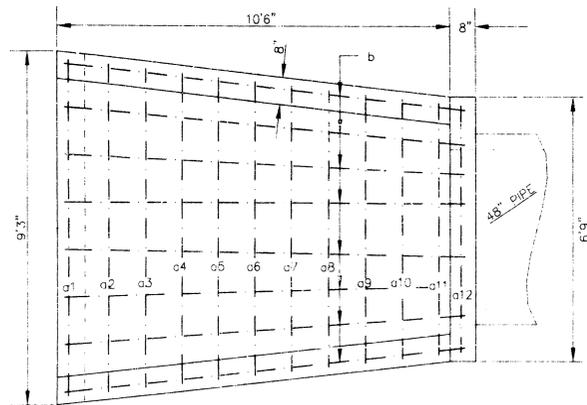
SRB 324 NORTH MAIN WICHITA, KANSAS 67203 316-264-5000 FAX 268-4621 E-Mail: srbs@west.com

SAVOY, RUGGLES & BOHM, P.A.
ENGINEERING & SURVEYING

PROJECT NUMBER: 748 PPS (607861)

DESIGN	DRAWN	UTILITY	REVIEW	DATE	REVISED
TOR/KML	KML			Oct. 7, 1997	

Sheet 1 of 2

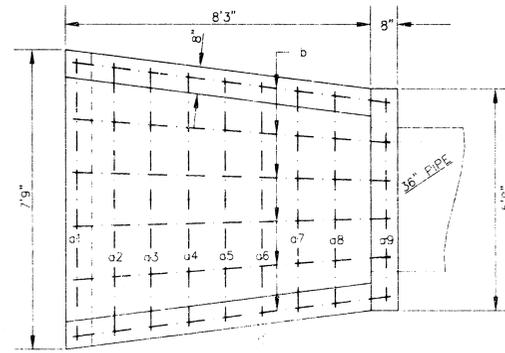


All exposed edges to have 1/2" bevel

PLAN

BAR	NUMBER	LENGTH	SHAPE	WEIGHT
a1	1	10'10"		7.24
a2	1	11'3"		7.52
a3	1	11'8"		7.79
a4	1	12'1"		8.07
a5	1	12'6"		8.35
a6	1	13'0"		8.58
a7	1	13'5"		8.96
a8	1	13'10"		9.24
a9	1	14'3"		9.52
a10	1	14'8"		9.80
a11	1	15'2"		10.13
a12	1	16'10"		11.24
b	8	12'7"		67.25
c	2	8'6"		11.36
d	2	11'6"		15.36
e	3	6'5"		12.91
f	2	10'9"		14.36
g	2	9'0"		12.02
h1	4	1'2"		3.12
h2	4	8"		1.78
j	4	3'3"		8.68
k	7	2'6"		11.69
Total Rebar, lbs				265.07
Concrete, C.Y.				4.75

All rebars to be #4.

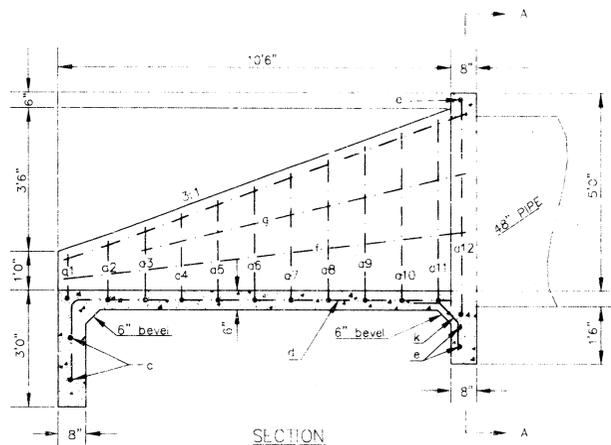


All exposed edges to have 1/2" bevel

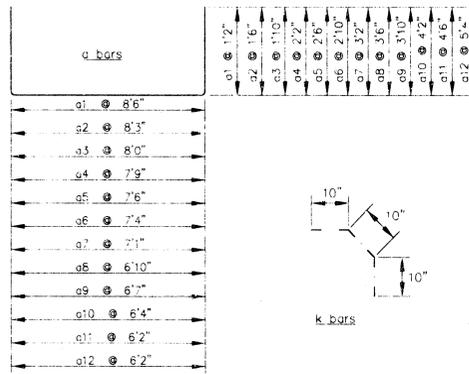
PLAN

BAR	NUMBER	LENGTH	SHAPE	WEIGHT
a1	1	8'7"		5.73
a2	1	9'0"		6.01
a3	1	9'7"		6.40
a4	1	10'0"		6.68
a5	1	10'5"		6.96
a6	1	10'10"		7.24
a7	1	11'3"		7.52
a8	1	11'10"		7.90
a9	1	12'0"		8.35
b	6	10'4"		41.42
c	2	7'0"		9.35
d	2	9'0"		2.02
e	3	5'4"		0.69
f	2	8'5"		11.24
g	2	4'7"		6.12
h1	4	1'6"		4.01
h2	4	1'0"		2.23
j	4	3'0"		5.02
k	6	2'6"		10.02
Total Rebar, lbs				178.91
Concrete, C.Y.				3.2

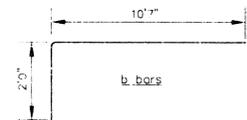
All rebars to be #4.



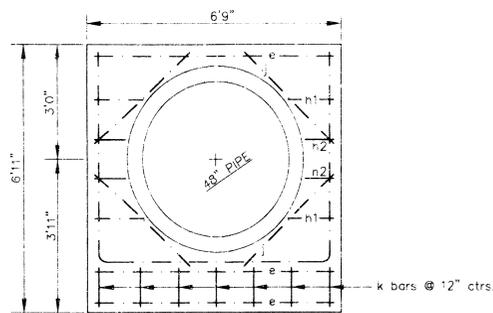
SECTION



k bars

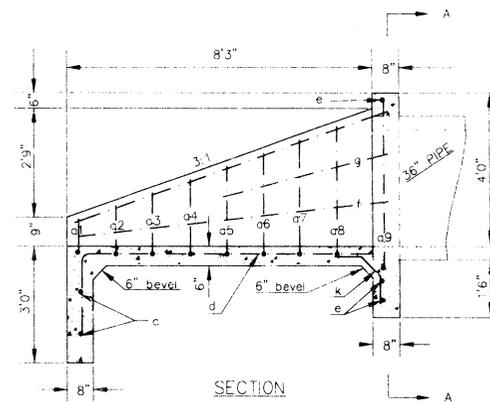


b bars

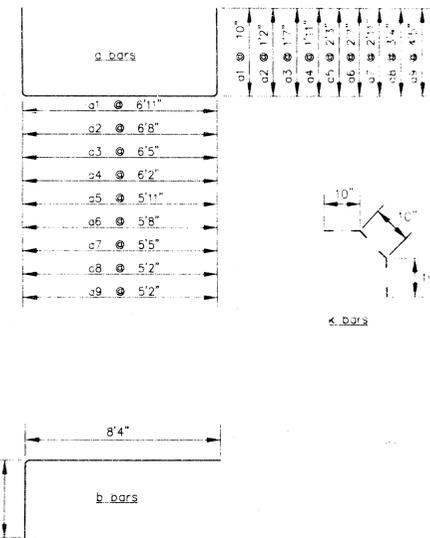


A-A SECTION

HEADWALL FOR 48" PIPE

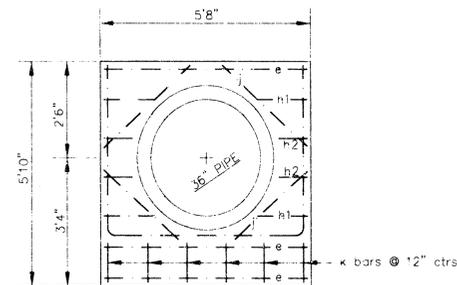


SECTION



k bars

b bars



A-A SECTION

HEADWALL FOR 36" PIPE

<p>THE CITY OF WICHITA</p> <p>CITY ENGINEER'S OFFICE CITY HALL - SEVENTH FLOOR 455 NORTH MAIN STREET WICHITA, KANSAS 67202 (316) 244-4261 (316) 244-4114 FAX</p>	<p>HEADWALL DETAILS FOR 36" & 48" PIPE</p>	
	<p>M. E. LINDEBAK P.E. - CITY ENGINEER</p>	
	<p>PROJECT NUMBER 748 PPS</p>	<p>INDEX CODE 607861</p>
	<p>DATE MAR 96</p>	<p>SHEET 2 OF 2</p>