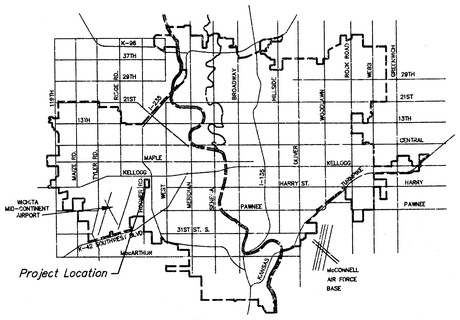
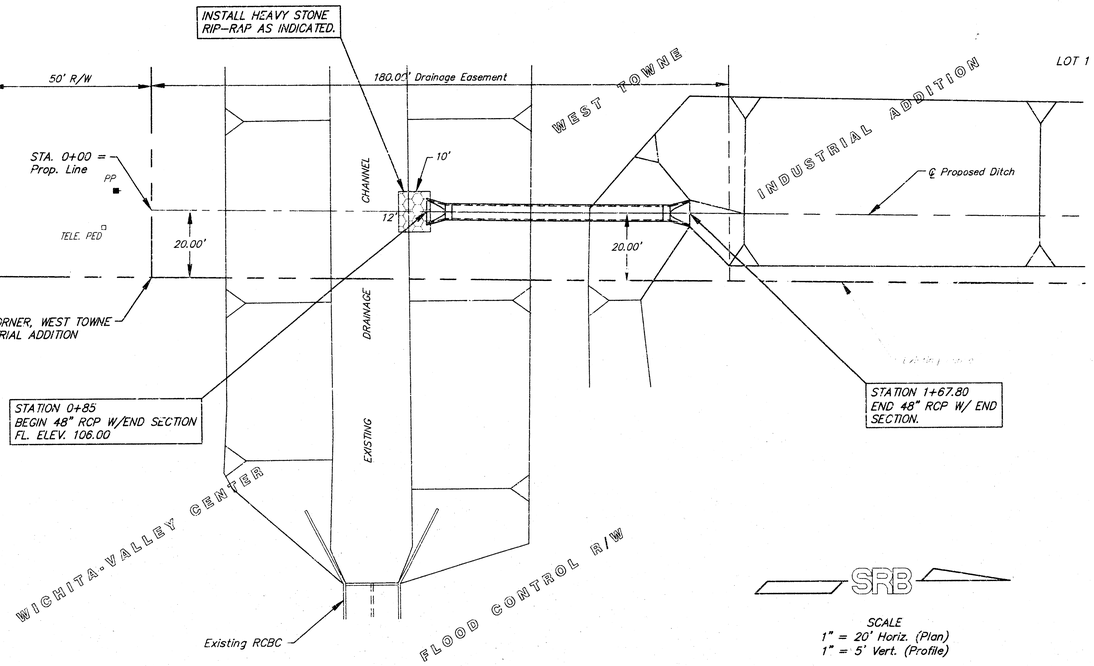


LOCATION MAP



SRB

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

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.

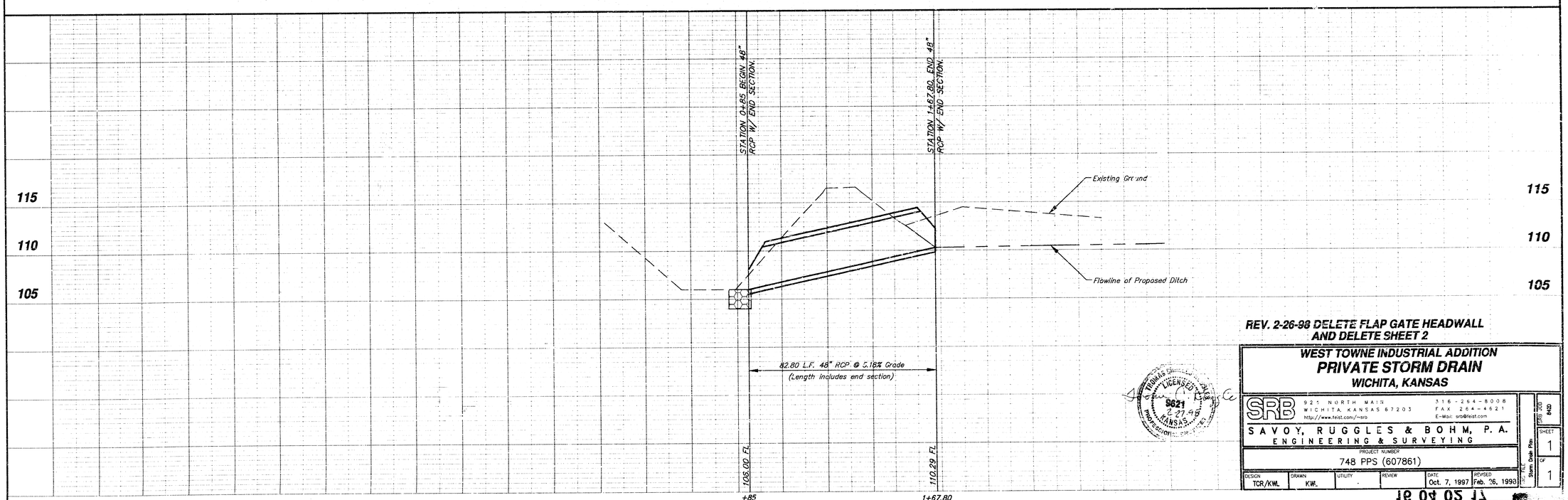
All areas in public R/W disturbed by construction activites shall be restored in accordance with City of Wichita Administrative Regulation AR-78.

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. 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

THOMAS V. R. HOWELL LICENSED 5621 2-27-98 KANSAS PROFESSIONAL ENGINEER

WEST TOWNE INDUSTRIAL ADDITION
PRIVATE STORM DRAIN
WICHITA, KANSAS

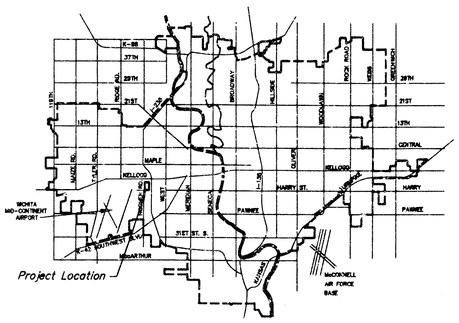
SRB
925 NORTH MAIN
WICHITA, KANSAS 67203
http://www.feist.com/~srb
316-264-8008
FAX 264-4621
E-Mail: srb@feist.com
SAVOY, RUGGLES & BOHM, P.A.
ENGINEERING & SURVEYING

PROJECT NUMBER
748 PPS (607861)

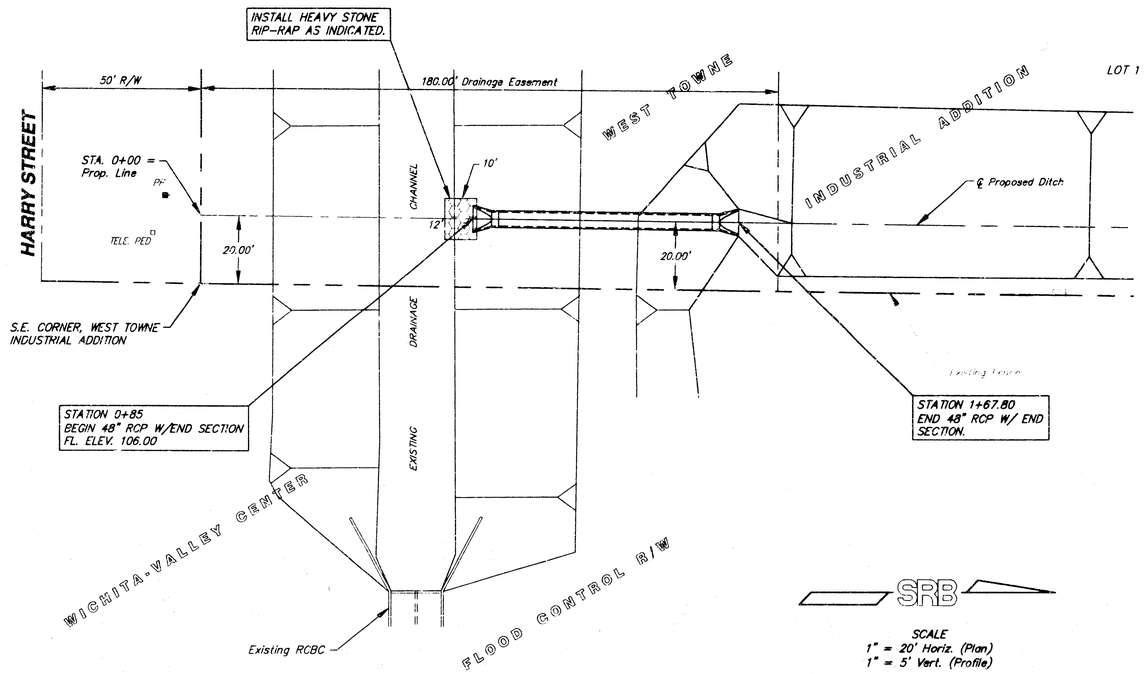
DESIGN	DRAWN	UTILITY	REVIEW	DATE	REVISED
TCR/KWL	KWL			Oct. 7, 1997	Feb. 26, 1998

SHEET 1 OF 1 SHEETS
Storm Drain Plan
748 PPS 2DS
BKD

F:\Active Projects\Tom Brooks\B20\West Towne Industrial Add.\Storm Drain Plan.dwg Fri Feb 27 09:18:24 1998 TEB



LOCATION MAP



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

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 activites 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 VKH 7/27/98

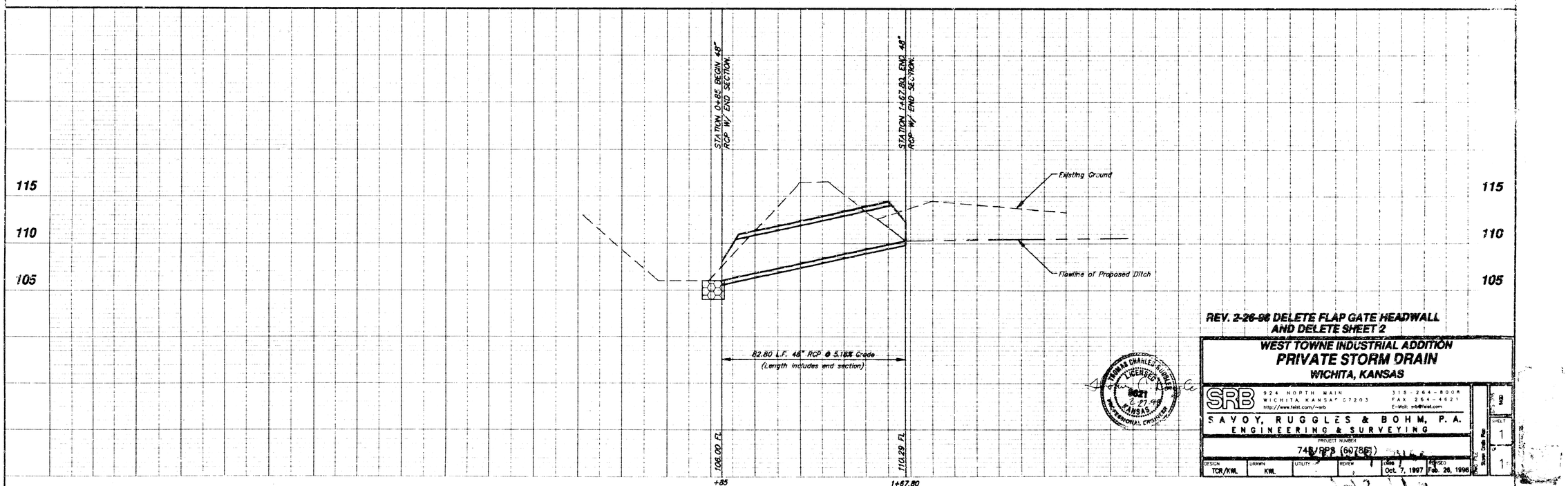
Driveway Approaches _____

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 is 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

THOMAS CHARLES SUMNER
8021
7-27-98
KANSAS
PROFESSIONAL ENGINEER

WEST TOWNE INDUSTRIAL ADDITION
PRIVATE STORM DRAIN
WICHITA, KANSAS

SRB
924 NORTH MAIN
WICHITA, KANSAS 67203
http://www.feist.com/~srb
316-264-8008
FAX 264-4621
E-Mail: srb@feist.com

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

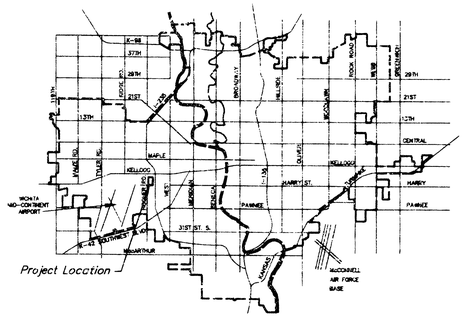
PROJECT NUMBER
748/RPS (60786)

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

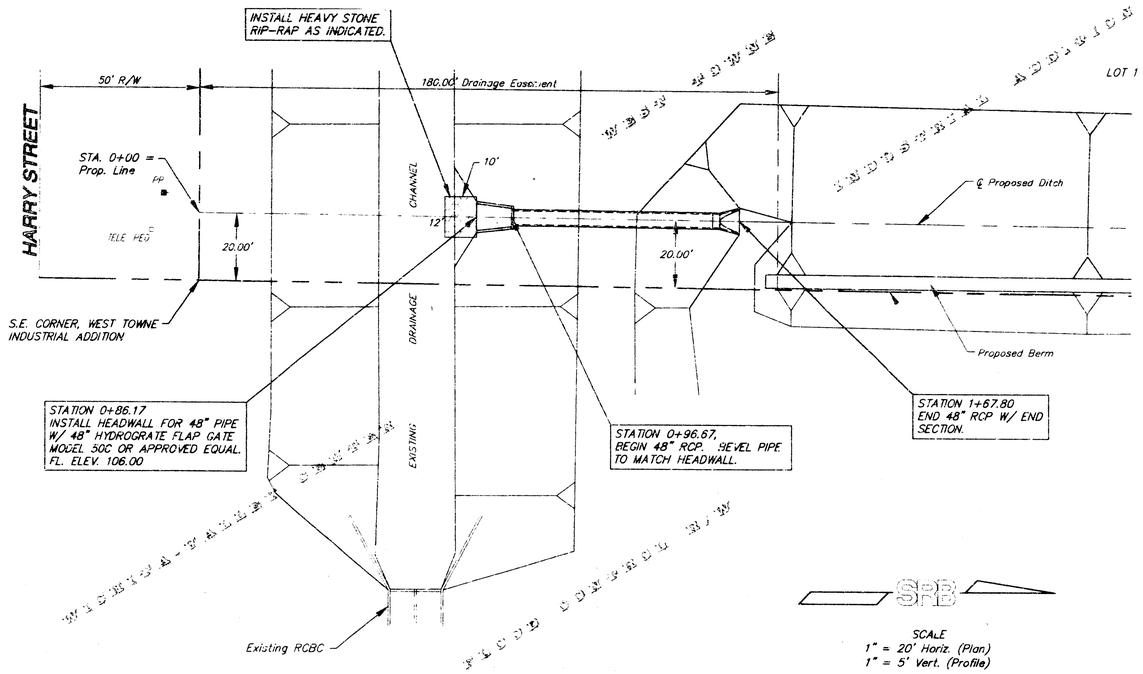
Scale: As Noted

SHEET 1 OF 1

F:\Active Projects\Tom Brooks\8420 West Towne Industrial Add.)\Storm Drain Plan.dwg Fri, Feb 27 09:10:24 1998 TEB



LOCATION MAP



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

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.

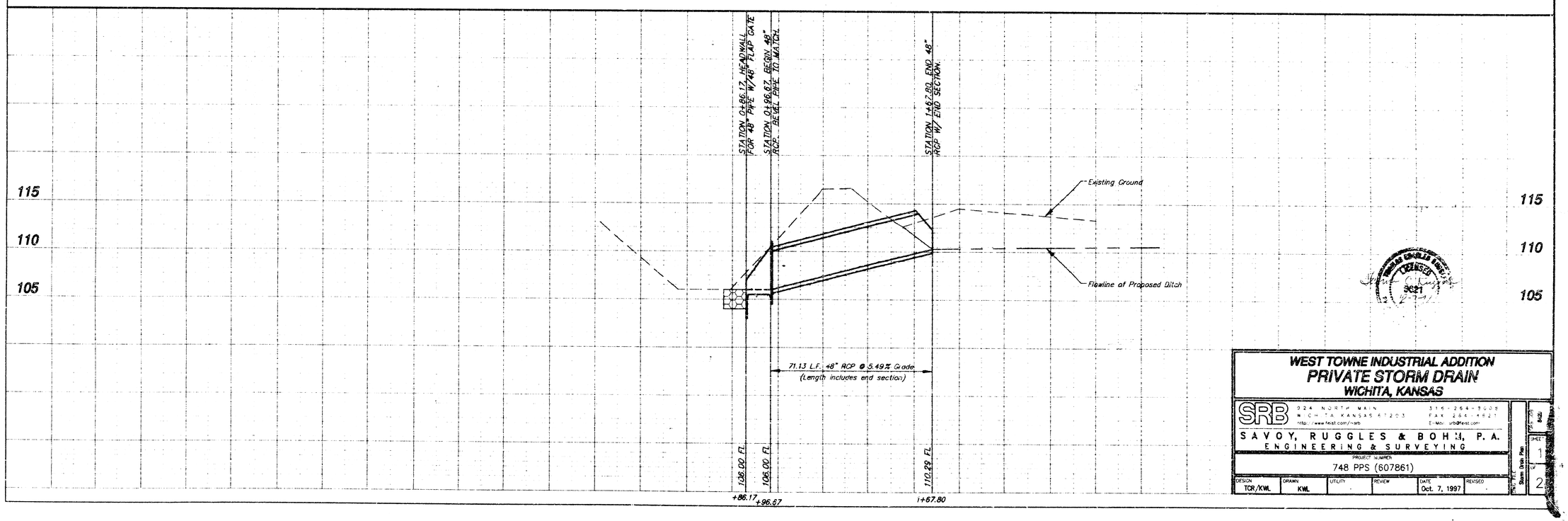
All areas in public R/W disturbed by construction activites shall be restored in accordance with City of Wichita Administrative Regulation AR-78.

APPROVED AS NOTED
BY CITY ENGINEER OF WICHITA

Sanitary Sewers _____
Storm Sewers VRH 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.



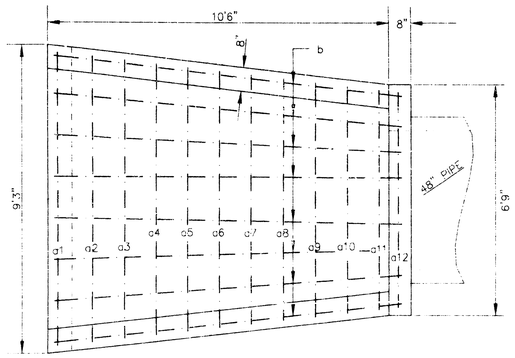
WEST TOWNE INDUSTRIAL ADDITION
PRIVATE STORM DRAIN
WICHITA, KANSAS

SRB
924 NORTH MAIN
WICHITA KANSAS 67203
316-264-9303
FAX 264-4621
http://www.feist.com/~srb
E-Mail: srb@feist.com
SAVOY, RUGGLES & BOHM, P.A.
ENGINEERING & SURVEYING

PROJECT NUMBER
748 PPS (607861)

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

Proj. Title: Storm Drain Plan
SHEET 1 OF 2 SHEETS

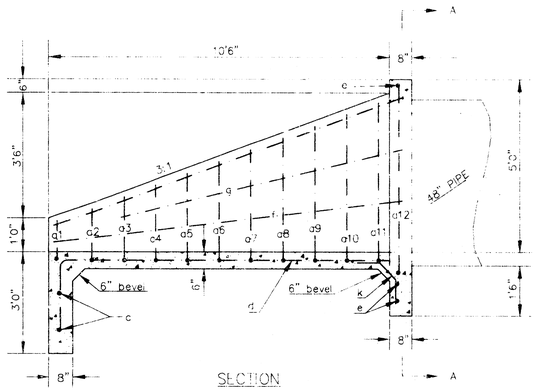


All exposed edges to have 1/2" bevel

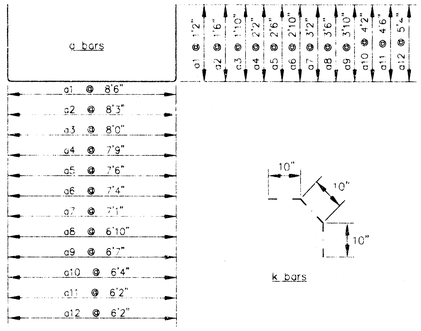
PLAN

TABLE OF QUANTITIES				
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"		8.68
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

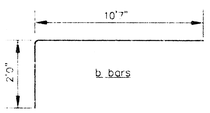
All rebars to be #4.



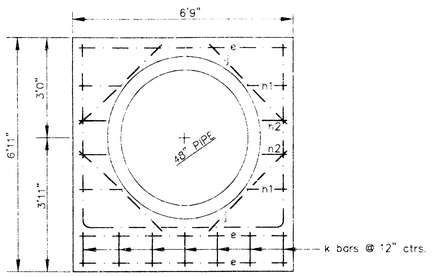
SECTION



k bars

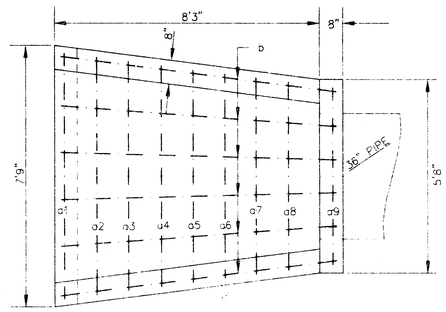


b bars



A–A SECTION

HEADWALL FOR 48" PIPE

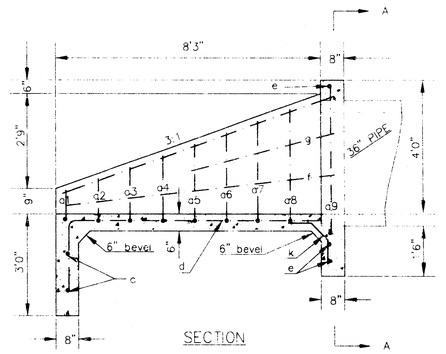


All exposed edges to have 1/2" bevel

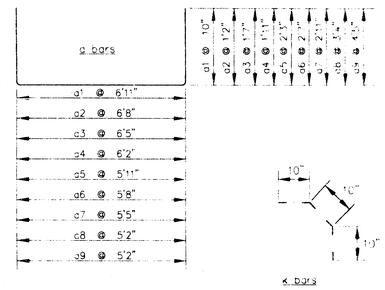
PLAN

TABLE OF QUANTITIES				
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	14'0"		9.35
a	6	10'4"		41.42
c	2	7'0"		9.35
d	2	9'0"		12.02
e	3	5'4"		10.69
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"		8.02
k	6	2'6"		10.02
Total Rebar, lbs				178.91
Concrete, C.Y.				3.2

All rebars to be #4.



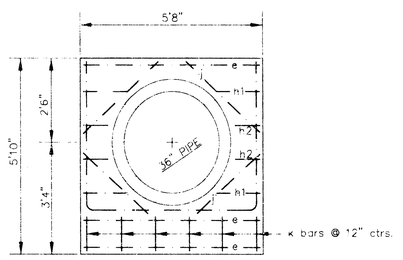
SECTION



k bars



b bars



A–A SECTION

HEADWALL FOR 36" PIPE

THE CITY OF WICHITA

CITY ENGINEER'S OFFICE
CITY HALL - SEVENTH FLOOR
455 NORTH MAIN STREET
WICHITA, KANSAS 67202
(316) 268-4501
(316) 268-4174 FAX

HEADWALL DETAILS FOR 36" & 48" PIPE

M. E. LINDEBAK P.E. – CITY ENGINEER

PROJECT NUMBER	INDEX CODE
748 PPS	607861
DATE	SHEET 2 OF 2
MAR 96	