PRIVATE STORM SEWER EXTENSIONS SERVING
LOTS 9 & 10, BLOCK 1
AIRPORT INDUSTRIAL PARK ADDITION
766 PPS (607861)
CITY OF WICHITA, KANSAS
MICHAEL E. LINDEBAK, P.E. - CITY ENGINEER

GENERAL NOTES

1. Contractor will be required to provide a minimum advance notice of forty-eight (48) hours to utility companies prior to starting any excavation as follows:

   Kansas One-Call 687-2470

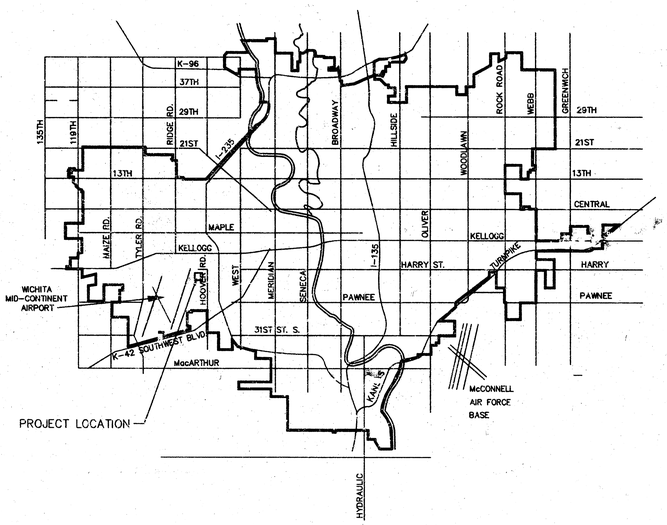
2. All storm sewer and appurtenances shall be installed in accordance with City of Wichita, Kansas, Standard Specifications for Storm Sewer Construction.

3. The Contractor shall be responsible for preserving property irons. The Contractor will 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.

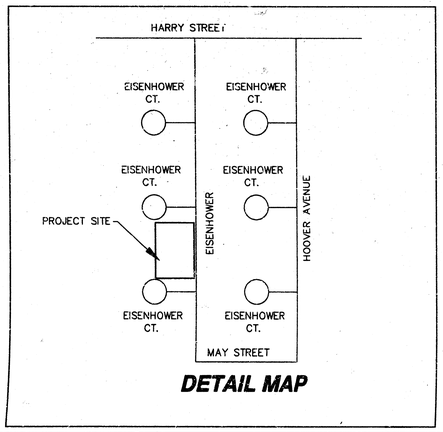
4. All areas in Public R/W disturbed by Contractor's operations shall be restored in accordance with City of Wichita Administrative Regulation AR-78.

5. The Contractor shall contact Calvin Brummer w/ KGE @ (316) 832-3119 prior to excavation to coordinate gas main relocation.

6. The Contractor shall contact Greg Sharpe w/ Southwestern Bell @ (316) 268-2245 prior to construction to coordinate phone cable relocation.



VICINITY MAP



DETAIL MAP

INDEX

1. TITLE SHEET
2 - 3. PLAN/PROFILE
4. DROP INLET DETAILS

BOOKED
9-24-01
MCG
D-518

SRB

INSPECTION AND TESTING FOR THIS PROJECT 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 INSPECTIONS, NOR SHALL ANY WORK BE COMMENCED IN DEDICATED EASEMENTS OR PUBLIC RIGHT-OF-WAY WITHOUT WRITTEN AUTHORIZATION BY THE CITY ENGINEER.

APPROVED AS NOTED
By CITY ENGINEER OF WICHITA

Sanitary Sewers _____
Storm Sewers URH 8/2/98
Driveway Approaches _____
Water Mains _____
Paving _____

As-Built Plans 05/23/2001

Contractor - Smith Const.
Inspector - Tim Kelly, Mike Stump
Inspection firm - Savoy, Ruggles & Bohm

Built Per Plan

Note: Contractor had to repair pipe due to wood stakes punched through top of pipe. Repairs were made according to pipe manufacturers suggestions, and were inspected. These holes are noticeable when viewing tape, but they will not leak. Signed Mike Stump

CHRISTOPHER MICHAEL BOHM
LICENSED
11631
1/30/98
KANSAS
PROFESSIONAL ENGINEER

SRB 924 NORTH MAIN WICHITA, KANSAS 67203 316-264-8008 FAX 264-4621
SAVOY, RUGGLES & BOHM, P.A.
ENGINEERING & SURVEYING

CAUTION: UNDERGROUND BELL AND KGE GAS LINES. CONTRACTOR TO VERIFY LOCATION AND DEPTH PRIOR TO EXCAVATION. CONTRACTOR SHALL ARRANGE TO HAVE LINES RELOCATED AS NECESSARY FOR CONSTRUCTION.

STATION 0+00
CONNECT TO EXISTING BRICK CURB INLET. RESHAPE INVERT AS NECESSARY. TOP ELEV. 114.20

STATION 2+36.5
CONSTRUCT 2' X 2' DROP INLET. TOP ELEV. 114.20

Existing 8" Water Line

Existing 15" HDP

40' R/W

40' R/W

EISENHOWER

Existing A.C. Pavement

Underground Bell Telephone

2" Coated Steel KGE Natural Gas Main

TREES

HLP

HLP

FH

Iron

Iron

335'

11.0'

30.0'

30.0'

18" TREE CLUMP

STATION 4+00
MATCH LINE

EISENHOWER CT.

27.5'

LOT 10, BLOCK 1
AIRPORT INDUSTRIAL PARK

125.2'

Proposed Concrete Pavement

Lot Line

Proposed Sidewalk

Proposed Sidewalk

STATION 0+54.0
CONSTRUCT 2' X 2' DROP INLET. TOP ELEV. 114.20

SRB

SCALE
1" = 20' HORIZ. (PLAN)
1" = 5' VERT. (PROFILE)

STATION 0+00
CONNECT TO EXISTING CURB INLET. TOP ELEV. 114.20

CAUTION: UNDERGROUND KGE GAS AND BELL TELEPHONE LINES

STATION 0+54.0
CONSTRUCT 2' X 2' DROP INLET. TOP ELEV. 114.20

STATION 2+36.5
CONSTRUCT 2' X 2' DROP INLET. TOP ELEV. 114.20

STATION 4+00
MATCH LINE

115

110

105

Finished Grade

Existing Ground

STATION 1+84 TO STA. 2+71, PLACE 87 L.F. PROTECTIVE FILL AS INDICATED.

115

110

105

CAUTION: UNDERGROUND BELL AND KGE GAS LINES. CONTRACTOR TO VERIFY LOCATION AND DEPTH PRIOR TO EXCAVATION. CONTRACTOR SHALL ARRANGE TO HAVE LINES RELOCATED AS NECESSARY FOR CONSTRUCTION.

54.0 L.F. 15" ADS N-12 Pipe @ 0.20% Grade

182.5 L.F. 15" ADS N-12 Pipe @ 0.20% Grade

163.5 L.F. 15" ADS N-12 Pipe @ 0.20% Grade

110.30 FL OUT
110.36 FL IN

110.41 FL OUT
110.41 FL IN

110.50 FL

110.70 FL

110.77 FL OUT
110.77 FL IN

111.90 FL

111.10 FL

0+00 | 0+54.0 | 1+00 | 2+00 | 2+36.5 | 3+00 | 4+00

As-Built Plans
05/23/2001

PRIVATE STORM SEWER EXTENSION TO SERVE LOTS 9 & 10, BLOCK 1, AIRPORT INDUSTRIAL PARK ADD. WICHITA, KANSAS

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

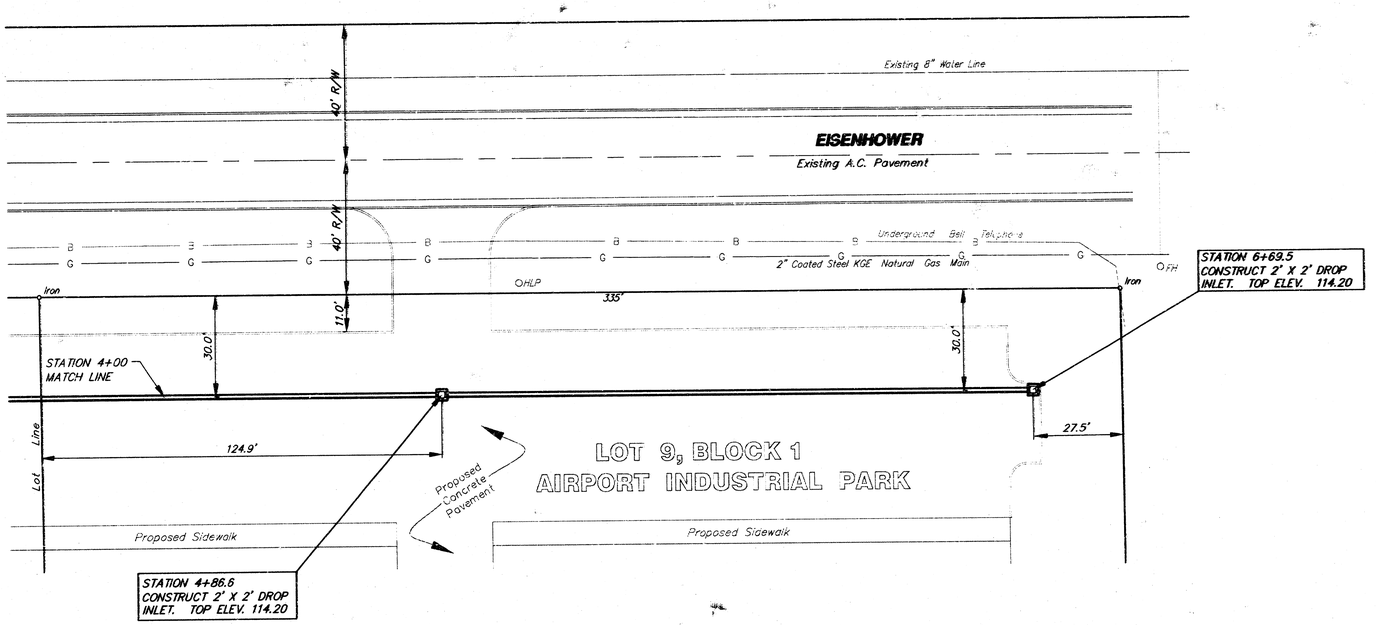
SAVOY, RUGGLES & BOHM, P.A.
ENGINEERING & SURVEYING

PROJECT NUMBER
766 PPS (607861)

DESIGN	DRAWN	UTILITY	REVIEW	DATE	REVISED
CMB	KWL			Jan. 15, 1998	

DWG FILE: PLAN

SHT. NO. 2 OF 4



DRAINAGE CALCULATIONS

$C_5 = 0.76$
$C_{100} = 0.84$
$I_5 = 4.56$ in/hr
$I_{100} = 7.37$ in/hr
$Q = c * I * A$

INLET @ 6+69.5
AREA – 0.24 acres
$Q_5 = 0.24(0.76)4.56 = 0.8$ cfs
$Q_{100} = 0.24(0.84)7.37 = 1.5$ cfs

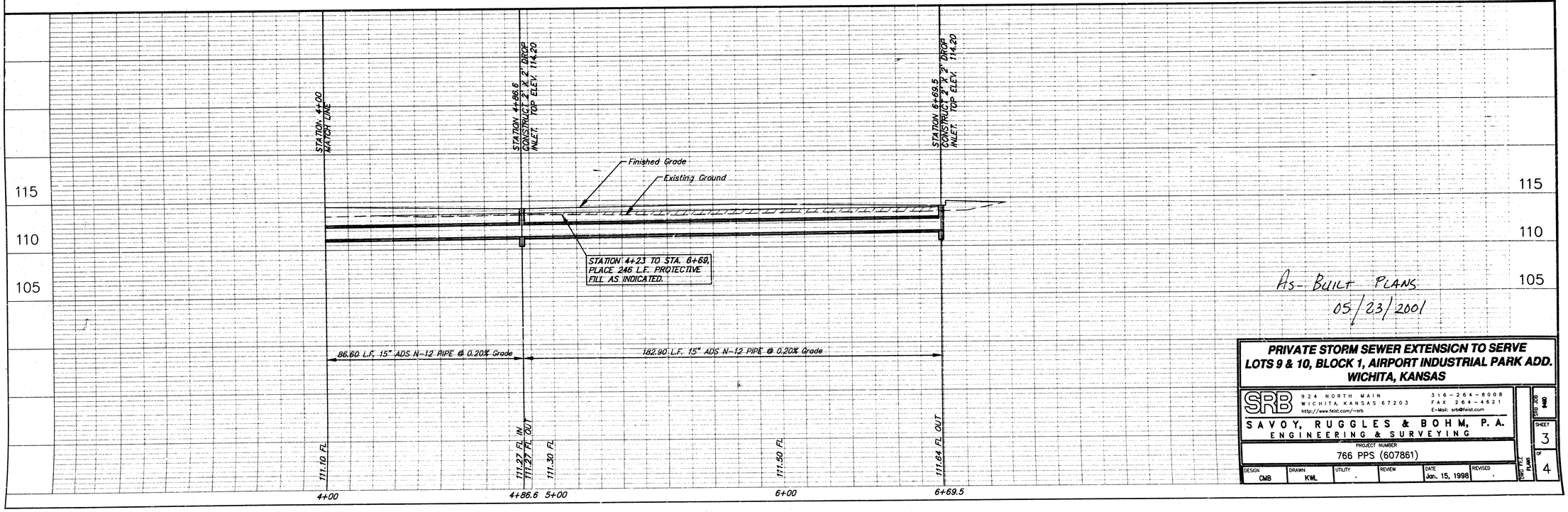
INLET @ 4+86.6
AREA – 1.26 acres
$Q_5 = 1.26(0.76)4.56 = 4.4$ cfs
$Q_{100} = 1.26(0.84)7.37 = 7.8$ cfs

INLET @ 2+36.5
AREA – 1.51 acres
$Q_5 = 1.51(0.76)4.56 = 5.2$ cfs
$Q_{100} = 1.51(0.84)7.37 = 9.3$ cfs

INLET @ 0+54.0
AREA – 0.24 acres
$Q_5 = 0.24(0.76)4.56 = 0.8$ cfs
$Q_{100} = 0.24(0.84)7.37 = 1.5$ cfs

SRB

SCALE
1" = 20' HORIZ. (PLAN)
1" = 5' VERT. (PROFILE)



As-Built Plans
05/23/2001

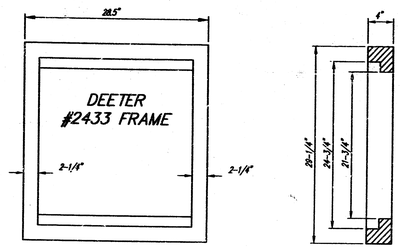
PRIVATE STORM SEWER EXTENSICN TO SERVE
LOTS 9 & 10, BLOCK 1, AIRPORT INDUSTRIAL PARK ADD.
WICHITA, KANSAS

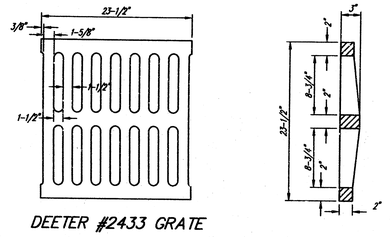
SRB
924 NORTH MAIN
WICHITA, KANSAS 67203
http://www.feist.com/~srb
316-264-8008
FAX 264-4621
E-Mail: srb@feist.com
SAVOY, RUGGLES & BOHM, P.A.
ENGINEERING & SURVEYING

PROJECT NUMBER
766 PPS (607861)

DESIGN	DRAWN	UTILITY	REVIEW	DATE	REVISED
CMB	KWL	-		Jan. 15, 1998	-

DWG FILE: PLAN1
SSBD JOB #460
SHEET 3 OF 4

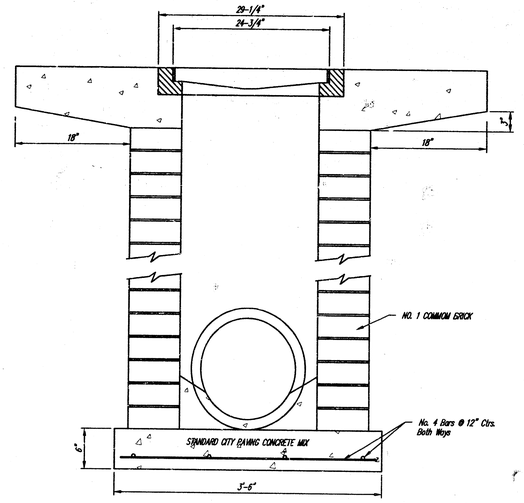


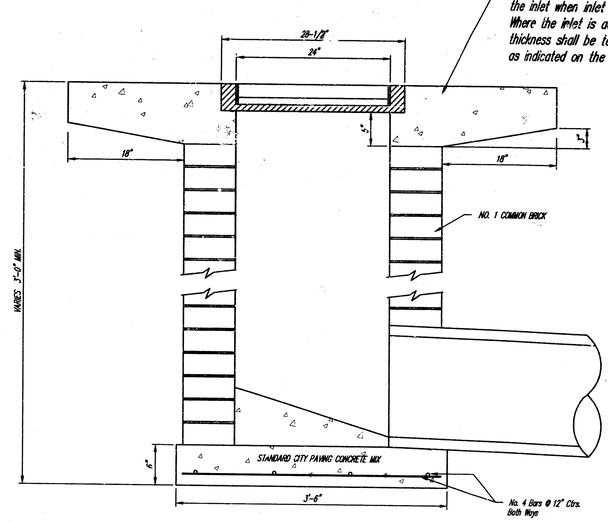


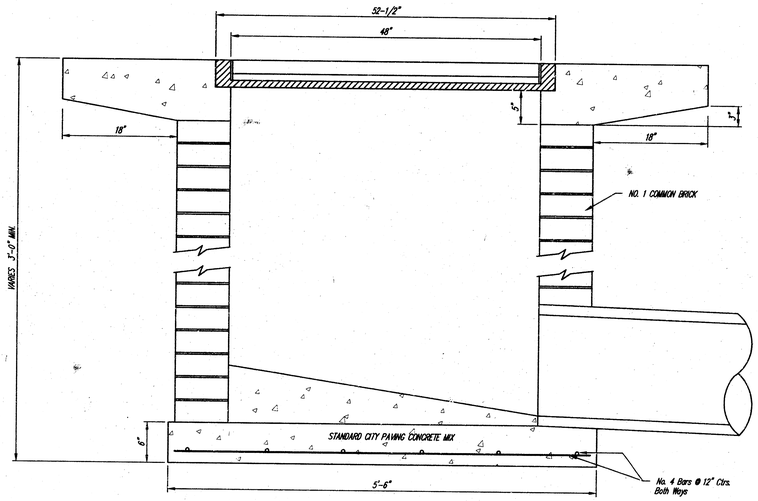
DEETER #2433 GRATE

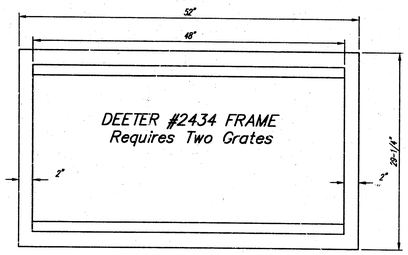
NOTE: Grates shall be imprinted on the top surface with "CITY OF WICHITA" using letters at least 1" in height. Other marking methods may be approved by the engineer.

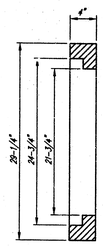
24" x 24" Frame and Grate Detail











Double 24" x 24" Frame Detail

THE CITY OF WICHITA

CITY ENGINEER'S OFFICE
CITY HALL – SEVENTH FLOOR
455 NORTH MAIN STREET
WICHITA, KANSAS 67202
(316) 268-4601
(316) 268-8114 FAX

DROP INLET
2'x2' / 2'x4'

M. E. LINDEBAK P.E. – CITY ENGINEER

PROJECT NUMBER	INDEX CODE
766 PPS	607861
DATE MAR 96	SHEET 4 OF 4