FHWA REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	87 N-0303-01	2003	31	143

SCALE:
1" = 20' HORIZONTAL
1" = 5' VERTICAL

STA 0+75.00 LINE 1
= BL STA 47+14.83, 51.31' RT
=STA 0+00 LINE 1A
CONSTRUCT MANHOLE STACK
OVER 7'x6' RCBC PER MANHOLE DETAIL
ELEV= 77.20 TOP
SEE LINE 1A PROFILE
SEE SWS 13

STA 1+89.95 LINE 1
= BL STA 47+93.5, 32.5' LT
=STA 0+00 LINE 1B
P.I. (45° BEND) LINE 1
CONSTRUCT MANHOLE STACK
OVER 7'x6' RCBC PER MANHOLE DETAIL
ELEV= 78.69 RIM
SEE LINE 1B PROFILE
SEE SWS 13

20' x 15'
Drainage
Easment

LINE 1B
15" RCP

20.00'

STA 0+32.44 LINE 1B
= BL STA 48+10, 60.5' LT
CONSTRUCT DROP INLET (DOUBLE)
ELEV= 75.50 TOP
END LINE 1B
SEE SWS 13

Poles to be Temporarily Braced During Storm Water Sewer Construction. Coordinate with Westar. (Provide at Least 2 Weeks Notice)

LINE 1
7' x 6' RCBC

STA 0+14.00 LINE 1C
BL STA 50+50, 47.00'LT
INSTALL CONC. END SECTION
ELEV = 72.95 FL
END LINE 1C
SEE SWS 13

STA 0+01 LINE 1D
BL STA 50+50, 31.5' LT
CONSTRUCT TYPE 1 INLET (11'4"x4'4")
OVER RCBC w/ DROP THRU BOTTOM
ELEV= 76.21TOP

LINE 1C
15" RCP

15' K G & E EASEMENT

Sta. 5+96.45, Line 1
B.L. Sta. 52+00, 32.50' Lt.
Match Point

LINE 1D
15" RCP

HYDRAULIC AVENUE

NOTE:
NEW BRIDGE CONSTRUCTION BY "OTHERS". FOR INFORMATION ONLY.

CAUTION!
Existing UGSWB Crosses

CAUTION!
Existing 4" GAS Crosses

CAUTION!
Existing 16" WTR UGSWB Crosses

CAUTION!
Existing UGSWB x2 Crosses

STA 4+46.45 LINE 1
= BL STA 50+50, 32.5' LT
=STA 0+00 LINE 1C & 1D
CL 7'x6' RCBC
SEE SWS13
LINE 1C & 1D PROFILE

Wtr Probe
69.50 T.P.

SSMH
5640-005

60" SAN SEWER

Ex 16" Wtr (A.C.)

NOTE: Contractor to use caution during excavation on this Project. Multiple Underground Utilities parallel and cross New Construction. Underground Utilities are shown located according to the best information available at the time of drawing.
Contractor to FIELD VERIFY exact locations and depths PRIOR TO Construction on this Project.

STA 0+18.72 LINE 1 =
BL STA 46+76.31, 92.35'RT
END RENO MATTRESS
CHANNEL LINER UNDER
STRUCTURE

STA 0+10.00 BEGIN LINE 1 =
BL STA 46+70.34, 98.71' RT
BEGIN CONSTRUCTION OF CAST-IN-PLACE OUTLET STRUCTURE
SEE OUTFALL DETAIL SHEET
FL ELEV= 67.60

CHANNEL
LOW BANK

NOTE:
Gabion Basket
Lined Channel
See SWS12

LINE 1A
36" RCP

STA 0+52.22 LINE 1 =
BL STA 46+99.24, 67.92' RT
END CONSTRUCTION OF CAST-IN-PLACE OUTLET STRUCTURE
BEGIN CONSTRUCTION 7.0'x6.0'
REINFORCED CONCRETE BOX

STA 0+38.00 LINE 1 =
BL STA 46+89.51, 78.29' RT
END WINGS AND HUBGUARD
ON CL (OUTLET STRUCTURE)

GRADE 135.0LF V-DITCH TO DRAIN
MIN. SIDESLOPE @ 3:1. COST TO BE INCIDENTAL TO PROJECT.

=STA 0+86.71 LINE 1A
= BL STA 47+98, 79.0' RT
DROP INLET (DOUBLE)
ELEV= 70.90 TOP

Wtr Probe
67.80 T.P.

57TH ST SO

35.00'
Bk-Bk

20.0' x 20.0'
SAN SEWER
EASEMENT

GRADE AREA
TO DRAIN

NOTE:
Contractor shall maintain Water Line Service to Sewer Treatment Plant No. 2 by all means necessary. Cost of maintaining Service shall be INCIDENTAL TO THE PROJECT.

STA 0+79.01 LINE 1D
BL STA 51+00, 29.67'RT
CONSTRUCT TYPE 2
INLET (DOUBLE)
ELEV = 75.85 TOP
END LINE 1D
SEE SWS 13

STA 0+00 LINE 2
= BL STA 49+31.00, 86.0'RT
INSTALL 18" END SECTION w/
6.0 SY LIGHT STONE RIP RAP

LINE 2
18" RCP

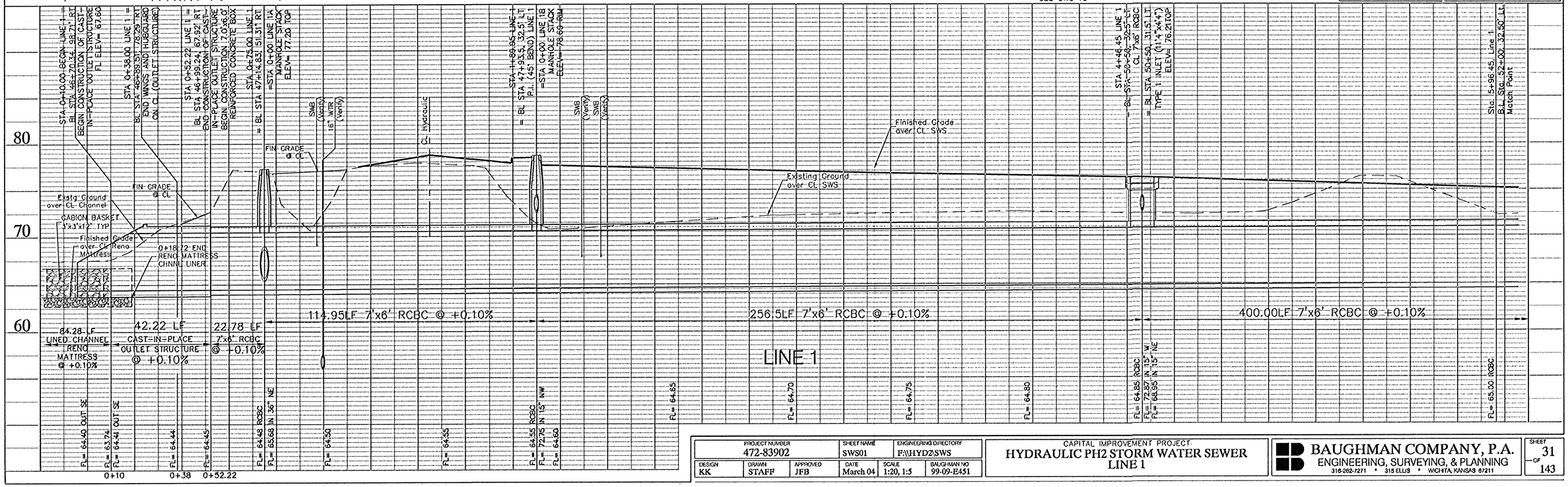
STA 0+65.17 LINE 2
= BL STA 49+95.5, 96.0' RT
INSTALL 18" END SECTION w/
6.0 SY LIGHT STONE RIP RAP
END LINE 2
SEE SWS 15

RIP RAP INSTALLATION DETAIL

7.00' | 6.2 SY LIGHT STONE RIP RAP | 8.00' | Fin Grnd | 8.00' | Slope: 4:1 | 15" End Section LINE 1G

CITY OF WICHITA

KIPPENBERGER - GRIFFIN



PROJECT NUMBER	SHEET NAME	ENGINEERING DIRECTORY
472-83902	SWS01	F:\HYD2\SWS

DESIGN	DRAWN	APPROVED	DATE	SCALE	BAUGHMAN NO
KK	STAFF	JFB	March 04	1:20, 1:5	99-09-E451

CAPITAL IMPROVEMENT PROJECT
HYDRAULIC PH2 STORM WATER SEWER
LINE 1

BAUGHMAN COMPANY, P.A.
ENGINEERING, SURVEYING, & PLANNING
316-262-7271 • 315 ELIS • WICHITA, KANSAS 67211

SHEET 31 OF 143