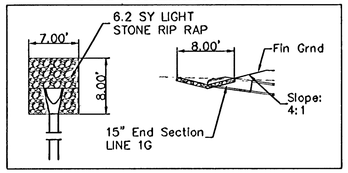
FHWA REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	87 N-0303-01	2003	34	143

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

RIP RAP INSTALLATION DETAIL



CAUTION!
Exstg UGSWB x2
4" GAS Crosses
4" GAS Parallels

REGRADE TO DRAIN

STA 0+34.23 LINE 1H
BL STA 63+49, 66.0' LT
INSTALL 15" END SECTION
WITH 6.2 SY LIGHT STONE
RIP RAP. SEE DTL THIS SHT.
END LINE 1H
SEE SWS 13

LINE 1H
15" RCP

STA 17+34.46 LINE 1
= BL STA 63+47, 32.5' LT
= STA 0+00 LINE 1H
= STA 0+00 LINE 1I
CONSTRUCT MANHOLE STACK
OVER 7'x 6' RCBC PER DETAIL
ELEV= 75.49 RIM
SEE SWS 13
LINE 1H&1I PROFILE

STA 17+57.97 LINE 1
= BL STA 63+61.49, 32.5' LT
END 7'x6' RCBC
BEGIN 7'x5' RCBC

LINE 1
7' x 5' RCBC

Sta 20+21.07 LINE 1 =
BL Sta 66+24.59
Encase 12 LF Exstg 8" Sanitary
Sewer Pipe.
Field Verify Depth and Location
of Existing Sanitary Sewer.

STA 21+96.45 LINE 1
= BL STA 68+00, 32.5' LT
= STA 0+00 LINE 1J
CONSTRUCT MANHOLE STACK OVER
7'x 5' RCBC PER DETAIL
ELEV= 74.94 RIM
SEE SWS 13
LINE 1J PROFILE

STA 0+07 LINE 1J
BL STA 68+00, 25.5' LT
CONSTRUCT TYPE 1 INLET
(CLOSE CONNECT)
11'4"x4'4" PER DETAIL
ELEV= 74.44 TOP

CAUTION!
Exstg 4" GAS Crosses

Sta. 22+96.48, Line 1
B.L. Sta. 69+00, 32.50' Lt.
Match Point

Sta. 17+11.05, Line 1
B.L. Sta. 57+00, 32.50' Lt.
Match Point

LINE 1I
15" RCP

LINE 1J
15" RCP

HYDRAULIC

BL = SECTION LINE

SSMH 5641-001

SSMH 5641-002

Wtr Probe
70.7 T.P.

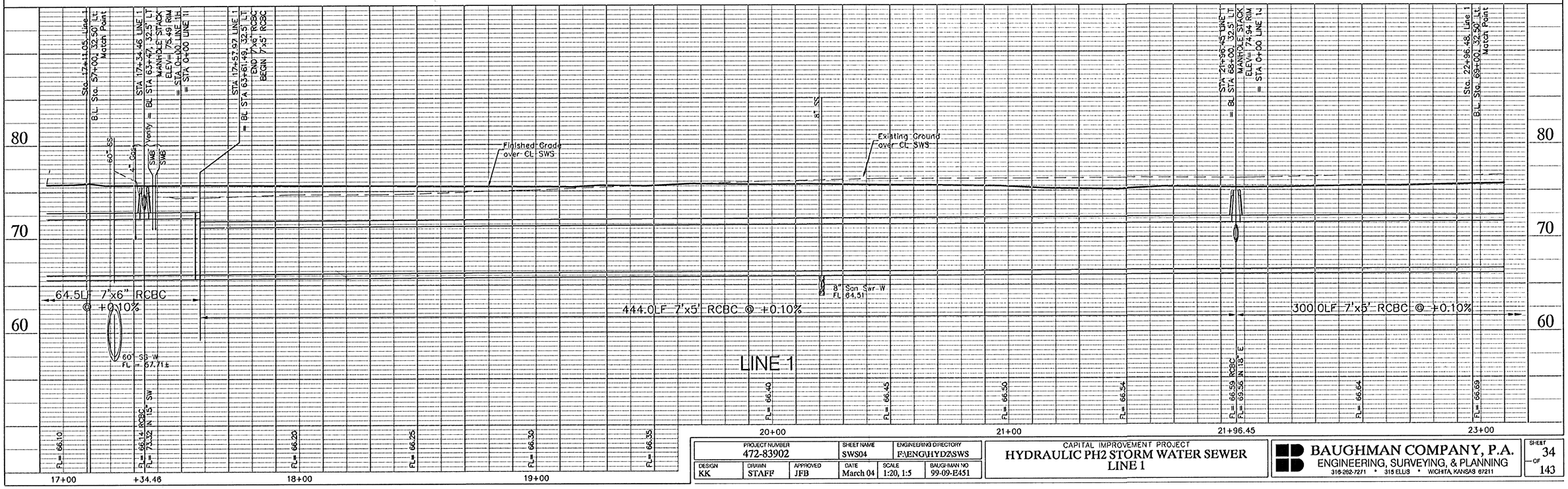
CAUTION!
Exstg 4" GAS Crosses

CAUTION:
CONTRACTOR TO USE EXTREME CAUTION TO PROTECT EXSTG 16" WATER LINE ADJACENT TO MANHOLE

STA 0+80.95 LINE 1I
BL STA 63+74.00, 40' RT
CONSTRUCT SPCL SHALLOW MANHOLE
ELEV= 75.81 R.M
SEE SWS 13
END LINE 1I

STA 0+57.94 LINE 1J
BL STA 68+00, 25.5' RT
CONSTRUCT TYPE 1 INLET
11'4"x4'4" PER DETAIL
ELEV= 74.44 TOP
END LINE 1J
SEE SWS 13

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.



PROJECT NUMBER	SHEET NAME	ENGINEERING DIRECTORY
472-83902	SWS04	F:\ENG\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 ELLIS • WICHITA, KANSAS 67211

SHEET 34 OF 143