FHWA REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	87 N-0303-01	2003	40	143

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

Sta. 53+10.48, Line 1
B.L. Sta. 99+00, 22.06' Lt.
Match Point

STA 54+11.14 LINE 1
= BL STA 100+00, 10.5' LT
CONSTRUCT REINF CONC
MANHOLE (5'-6" X 6'-6")
ELEV= 79.54 RIM

CAUTION!
Existing
SWB x2
Parallels
Over

STA 56+23.16 LINE 1
= BL STA 102+11, 14.0' LT
= STA 0+00 LINE 1Y
CONSTRUCT REINF CONC
MANHOLE (5'-6" X 6'-6")
ELEV= 80.36 RIM
SEE SWS 15
LINE 1Y PROFILE

CAUTION!
Existing
UGE
UGSprint
Crosses

STA 57+06.20 LINE 1
= BL STA 102+94, 17.0' LT
= STA 0+00 LINE 1Z & 1AA
CONSTRUCT REINF CONC
MANHOLE (5'-6" X 6'-6")
ELEV= 80.60RIM
END 48" RCP LINE 1
BEGIN 30" RCP LINE 1
SEE SWS 15
LINE 1Z & 1AA PROFILE

STA 0+14.50 LINE 1Z
BL STA 102.94, 31.5' LT
CONSTRUCT TYPE 1 INLET
(11'4"x4'4") PER DETAIL
ELEV = 80.64 TOP

STA 0+39.05 LINE 1Z
BL STA 103+19.5, 33.05' LT
CONSTRUCT SPCL SHALLOW MANHOLE
OVER EXST PIPE PER DETAIL
ELEV= 81.20 RIM
END LINE 1Z
SEE SWS 15

CAUTION!
Existing
6" Gas
Parallels
Wtr S/L
Crosses

Sta. 59+11.23, Line 1
B.L. Sta. 105+00, 17.00' Lt.
Match Point

LINE 1
48" RCP

LINE 1Z
15" RCP

LINE 1
30" RCP

LINE 1Y
18" RCP

LINE 1AA
15" RCP

LINE 1Y
15" RCP

CAUTION!
Existing
CTV
TV/FO
16" Wtr
UGE
Crosses

CAUTION!
Existing
UGSprint
In Vicinity

CAUTION!
Existing
UGE
6" Gas
Wtr S/L
Crosses
6" Gas
Parallels

CAUTION!
Existing
SWB
16" Wtr
Crosses

PROP. 6" WTR
RELOCATION

PROP. 16" WTR
RELOCATION

=STA 0+78.00 LINE 1Y
= BL STA 102+11, 64.0' RT
CONSTRUCT BEEHIVE INLET
PER DETAIL
ELEV= 80.00 TOP

=STA 0+117.00 LINE 1Y
= BL STA 102+48.5, 70' RT
CONSTRUCT BEEHIVE INLET
PER DETAIL
ELEV= 81.50 TOP

=STA 1+66.77 LINE 1Y
= BL STA 103.00, 73.0' RT
INSTALL 15" END SECTION
INSTALL 6.2 SY LIGHT STONE
RIP RAP PER DTL THIS SHT
END LINE 1Y
SEE SWS 15

STA 0+54.78 LINE 1AA
BL STA 103+20.5, 31.5' RT
TYPE 1 INLET (11'4"x4'4")
ELEV = 80.82 TOP

REGRADE AREA
TO DRAIN

MINNESOTA

24th ST SO

Wtr Probe
77.20 T.P.

Wtr Probe
76.22 T.P.

Wtr Probe
76.30 T.P.

SSMH
5641-013

SSMH
5641-164

SSMH
5641-014

Ex. 4" Gas (BS)

Ex. 6" Gas (GS)

30" SAN SEWER (RCP)

16" Wtr (Cast Iron)

Ex Asph Walk

OHE, OHSWB, OHCaTV

UGE

Sprint FO Cable

Ex Sand

Grass

Ex-16"

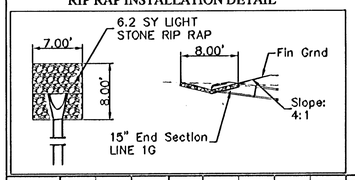
EOA

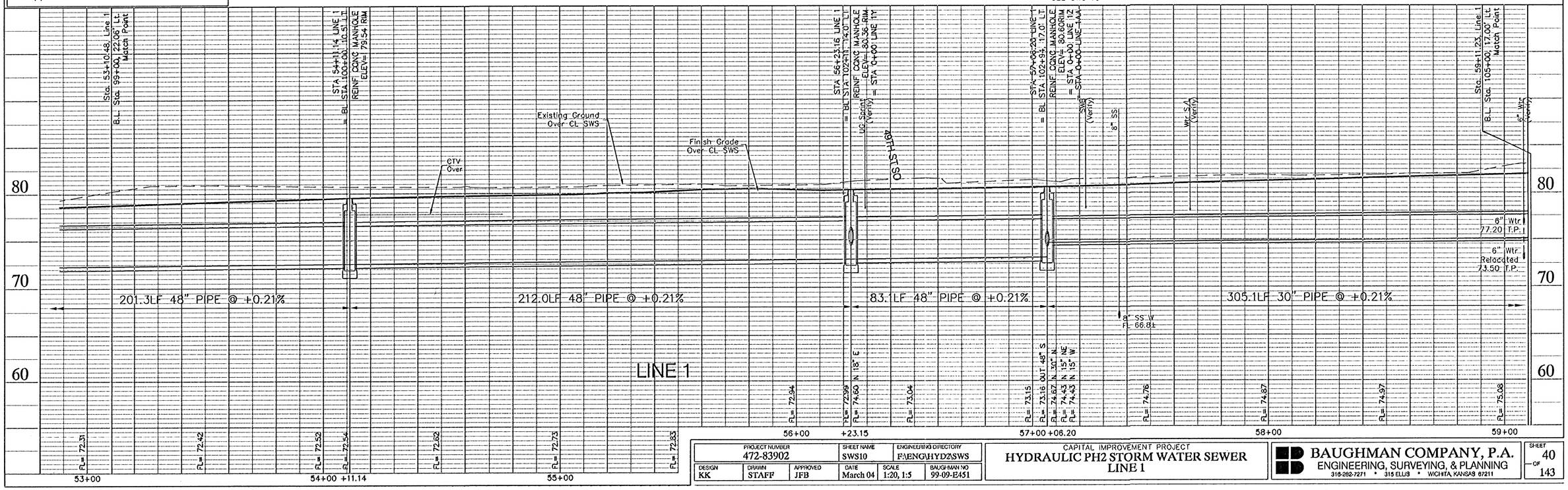
R/W

BL = SECTION LINE

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.

RIP RAP INSTALLATION DETAIL





PROJECT NUMBER	SHEET NAME	ENGINEERING DIRECTORY
472-83902	SWS10	F:\ENGHYD2\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 40 OF 143