Springfield BRS RS 0113(8)

Grawler Borrow - See note Bk.#2, Pg. 49-50

Pipe 0-20'	4' x 20' x 3.6	=	10.7 c.y.
20'-60'	4.5' x 40' x 3.6	=	24.0 c.y.
60'-100'	3.5' x 40' x 3.6	=	18.7 c.y.
100'-120'	1' x 20' x 3.6	=	2.7 c.y.
120'-126'	1' x 6' x 3.6	=	0.8 c.y.
			56.9 c.y.

DI 6' x 6' x 1 = 1.3 c.y.

56.9 + 1.3 = 58.2 c.y. to Bk.#2, Pg. 48

M.W.B. 12/2/97

DI

Area - 29.8" x 6 = 5.5 c.y.

Undercut - 0-5' = 0.5 x 6 x 6 = 0.7 c.y.

over 5' = 0.5 x 6 x 6 x 1.5 = 1.0 c.y.

7.2 c.y. to pipe area

Pipe at Sta. 105+50 Lt. - 106+60 Rt.

Pipe installed 5/2/97 (100 L.F.), 5/5/97 (20 L.F.), 5/

Area - 361.2" x 3.6 = 98.2 c.y.

Undercuts - 1.5' x 20' x 3.6 = 9.0 c.y.

2' x 40' x 3.6 = 10.7 c.y.

1' x 66' x 3.6 = 8.8 c.y.

M.W.B. 12/2/97

71.7 c.y.

DI + 7.2 c.y.

78.9 c.y. to bottom

this S

Depth of DI = 4.5'

over 5'

1.0'

Undercut areas

2.0'

1.5'

Existing DI Removed 5/5/97

Field Measured 5' X 4' X 4' = 2.96 c.y.

Trench Exc. of Rock

M.W.B.

105+50 Lt. to 106+60 Rt.

New 18" RCP (Class III) w/ Type II Bedding

Existing DI removed 5/2/97

Field measured 5' X 4' X 4' = 3.9

← Sta. 105+50 Lt. 3.0

Trench exc. of rock 6.0

T.E. T.R.

78.9 c.y. - 6.0 = 72.9

To B