PLATE 3-FULL CROSS SECTION-FULL LINE
MISSOURI DEPARTMENT OF HIGHWAYS AND PUBLIC TRANSPORTATION
HIGHWAY ACCIDENT PID SHEET

ORIGINAL	FINAL
JAN 2012	KEY

DATE	BY	DESCRIPTION
		ORIGINAL
		REVISED
		INSTALLED
		VERIFIED
		VERIFIED CHECKED

JOB NO.
PROJECT
COUNTY

Placed in Ditchline

1100

1102.9 — 103.3

110+33-31' Lt (40 Lf 18" CPEP)

110+33-11.5' Lt

Pole

Inlet

Outlet

Ditchline

+57

+45

+03

99+00

108+80

1100

108+94

(Extend 62'-23 Rt)

Remove Exist 15" CGMP

Trench Excav = $\left[\left(\frac{5+3.5}{2}\times 43\right)+\left(\frac{3.5+1.5}{2}\times 3\right)+\left(\frac{1.5+0}{2}\times 1\right)\right]\times 4.25 \div 360 \text{ yd}^3 \times 1/27 = 13.3 \text{ cy}$ WRF 6-22-12

7-11-12

Pole

Ditchline Grade

Lot 4

Lot 3

103.0

102.2

1100

+50

+03

Exist

Outlet

110+44

1100

106+67

58.5 — 9.0

T.E. = $\left(\frac{0.0+86}{2}\times 39\right)+\left(\frac{36+15}{2}\times 4\right)+6.5\times 4.25+286.4\times 1/27 = 10.6 \text{ cy}$

Remove Exist 15" CGMP

Say 11 cy T.E. = 2.72 ac

WRF 6-27-12

7-18-12

106+05

CB Placed 6-12-12 by SW

Trench 108+50 to 109+05

108+05

Pay 108+55 $\left(\frac{30+22}{2}\times 8\times 6.25\right)+\left(\frac{25+18.25}{2}\times 8\times 5.5\right)+\left(\frac{18+1}{2}\times 6\times 5\right)(1) = 274.1 \text{ cy}^3$

$274.1/27 = 10.2 \text{ cy}^3$

T.E. AT STRUCTURE ONLY

7/19/12

Well 30" x 18" CPP w/Brooks Type B Grated Inlet

Stone Fill Pay Type I

86 lf (4x10) 6-12-12 by SW

PLAN VIEW - STONE FILL TYPE I

6.5' — 6' — 6' — 6' — 5'

1100

T.E.: Dep Elev

$(4.5\times 7\times 2)+(7.5\times 4.5\times 1) = 139.5$

$\frac{139.5}{4.25} = 32.8 \text{ cy}$

$4263/27$

101+61

T.E.: Dep

$(0.4\times 12\times 25)+\left(\frac{1.2+0.58}{2}\times 10\times 2\right)+4.5\times 287.1 = 1\,1\,3.3 \text{ yd}^3$

Remove Exist Bed

T.E.: Dep Elev

$\frac{1\,1\,3.3}{4.25} = 26.6 \text{ cy}$

T.E.: Dep Elev 4.4 x 85

Pay $(9\times 33)+(27\times 11) = 396/27 = 14.7 \text{ cy}$

7-18-12

*Pay only outside original excavation limits

Trench Excav Center Pipe (0.5)

CB: 5.82 x 3.0 = 8.5 Dia

A: $4.9^2\times 3.14 = 60.8 \text{ ft}^2 \times 5' = 304 \text{ ft}^3$

A: 1.5 (Ave Depth) x 60.8 ft² x 1/3 = 1.35 yd³

477 ft³

Trench Excav Pipe (30")

(0.5) $\left(\frac{0.4+0.6}{2}\times 3\right)+50\times 4.5+\left(\frac{3.0+2.5}{2}\times 5.2\right)+\left(\frac{2.5+3.0}{2}\times 5.8\right)\times 5.5 = 2016 \text{ ft}^3$

(Over 5) $\left(\frac{0.6+0.4}{2}\times 3.5\right)+\left(\frac{3.5+0.0}{2}\times 5.5\right)\times 5.5\times 1.5$

$= \frac{4604 \text{ ft}^3}{2480 \text{ ft}^3} - 477 \text{ ft}^3 = 2057 \text{ ft}^3 \times 1/27 = 10.5 \text{ cy}$

WRF 6-13-12

7-18-12

10.5 cy + 10.2 cy = 11.7 cy

334 / 120 cy

WRF 7-19-12

JPD 07-12-12

Cabot Danville
FEGC F 028-3(26) C1
Drawing Sheet # 1