

P.C. Sta. 111+53.94
Angle -

B.M. Spike in 10" Pine
40' Lt. of Sta 116+100
Elev 1653.890

B.M. Spike in Roof of 10" Oak
20' Lt. of Sta 122+120
Elev 1593.361

P.T. Sta. 122+47.27
Angle -

P.O.T. Sta. 123+58.19
Angle - 180°00'

Div. 5 Schuylkill 750
Union Twp.

REQUIRED LIST

Sta. 112+00
51'-14" C.I.P. Lk.Jt.
"DE" Endwall Lt.
18.5 C.Y. Inlet Exc.
Outlet
35.63 Cu. Ft. "B" Conc.

Sta. 115+00
51'-42" C.I.P. Lk.Jt.
"DE" Endwall Lt.
13.5 C.Y. Outlet Exc.
33.02 Cu. Ft. "B" Conc.

Sta. 118+00
159'-16" C.I.P. Lk.Jt.
"DE" Endwall Lt.
45.83 Cu. Ft. "B" Conc.

Sta. 122+00
108'-58" C.I.P. Lk.Jt.
"DE" Endwall Lt.
7 C.Y. Exc. for Extra Depth
32.38 Cu. Ft. "B" Conc.

Sta. 125+00
42'-14" C.I.P. Lk.Jt.
"DE" Endwall Lt.
28.79 Cu. Ft. "B" Conc.

Sta. 116+00 to Sta. 123+00 on Rt.
237.7688 C.Y. Exc. for Benching
Slopes on Rt.
237.7688 C.Y. Backfill.

Sta. 119+00
2.7 C.Y. Boulder Excav.

Sta. 116+00 to 127+00
68.4 C.Y. Boulder Excav.

Sta. 107+00 to 116+50
167 C.Y. Extra Depth Rock Cut

Sta. 118+45 to 128+21
253 C.Y. Extra Depth Rock Cut

P.I. Sta. 117+02.24
 $\Delta = 10^{\circ}56' Lt.$
 $D = 1^{\circ}00'$
 $R = 5729.65'$
 $T = 548.30'$
 $L = 1093.33'$

GIRARD ESTATE

Required limit of slope

Required width of Right of Way

P.T. 122+47.27

Required Width of Right of Way

Brush & Boulders

Boulders

Required Width of Right of Way

Required limit of slope

GIRARD ESTATE

The Fill Between Sta. 116+50 and Sta. 119+50
shall be spread and rolled in layers one-half
the specified depth in accordance with
paragraph #9 of the Specifications.
The end of the Specifications
is placed

-8.00 %

P.I. Sta. 121+50
Elev 1588.81
300' VC

The Fill Between Sta. 120+50 and
Sta. 122+50 shall be completed
two months before pavement
is placed.

Sta. 117+50 to Sta. 127+50
Cut - 13309 C.Y.
Fill - 7434 C.Y.

-5.60 %

Sta. 109+33 to Sta. 117+50
Cut - 4601 C.Y.
Fill - 2560 C.Y.

Equality 1.58
Sta. 109+37.65 Back =
Sta. 111+53.94 Ahead

DATUM = 1560

108+83 1678.0
G 1672.87
109 1671.39
109+33 1670.0 G 1668.87

112 1666.5
G 1664.87
5.06

+50 1664.2
G 1662.87
1.06

113 1659.8
G 1656.87
1.04

+50 1656.8
G 1652.87
1.04

114 1653.1
G 1648.81

+50 1651.7
G 1644.87
0

115 1649.0
G 1640.87
1.06

+50 1642.2
G 1636.87
1.08

116 1637.4
G 1632.87
1.04

+50 1629.4
G 1626.87
1.01

117 1619.3
G 1614.87
1.21

+50 1611.9
G 1608.87
1.21

118 1608.3
G 1604.87
1.21

+50 1608.1
G 1604.87
1.21

119 1607.5
G 1600.87
1.04

+50 1598.1
G 1596.87
1.14

121 1591.8
G 1593.27
1.43

+50 1587.0
G 1589.77
1.05

122 1582.5
G 1586.47
1.05

+50 1585.3
G 1583.37
1.29

123 1586.3
G 1580.47
1.04

+50 1590.0
G 1577.67
1.04

124 1577.1
G 1574.87
1.04

+50 1582.5
G 1572.07
1.04

125 1578.4
G 1569.77
1.04

+50 1572.0
G 1566.87
1.04