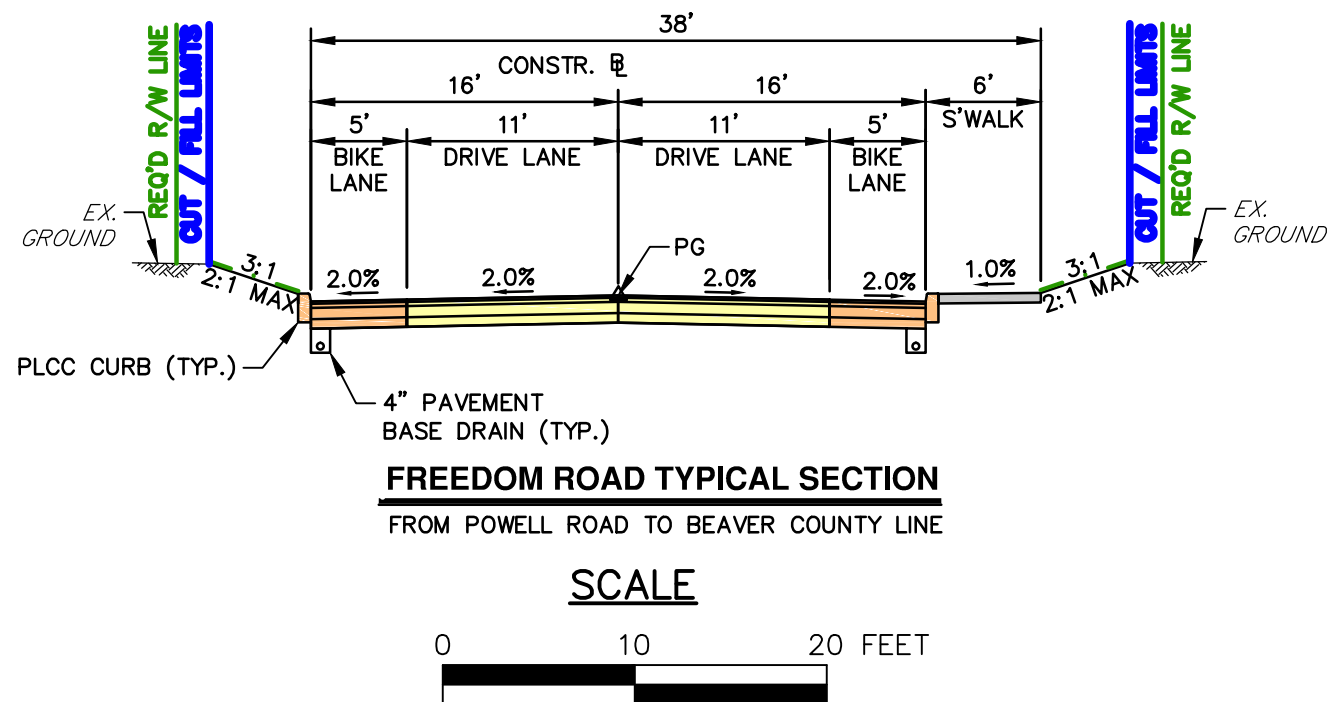
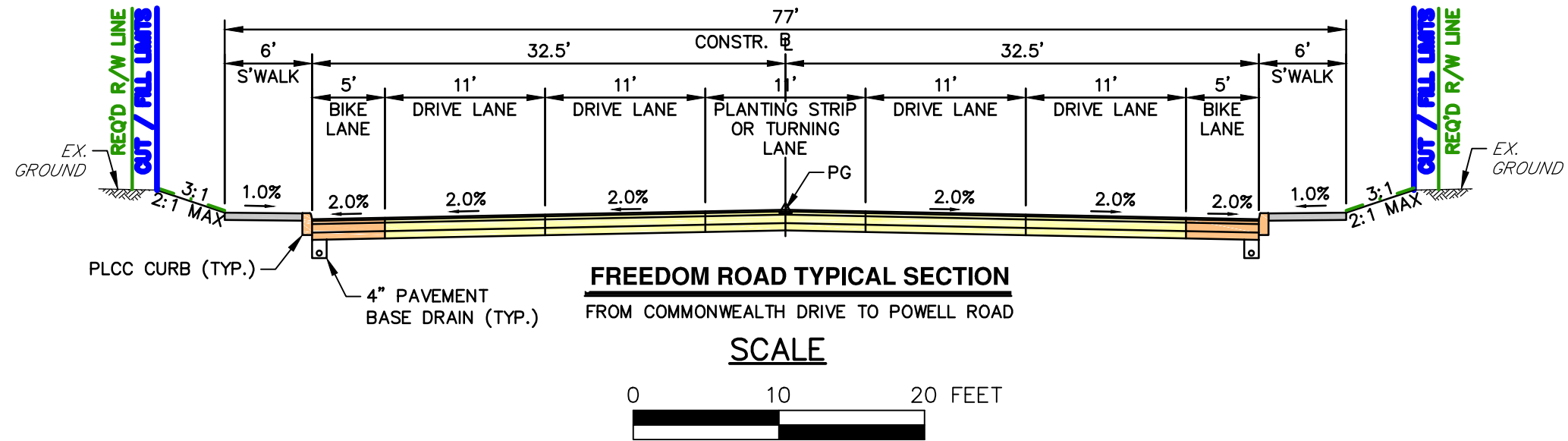




FREEDOM ROAD CORRIDOR CONCEPTUAL PLAN

SHEET 1 OF 16

CRANBERRY TOWNSHIP, PA, 16066

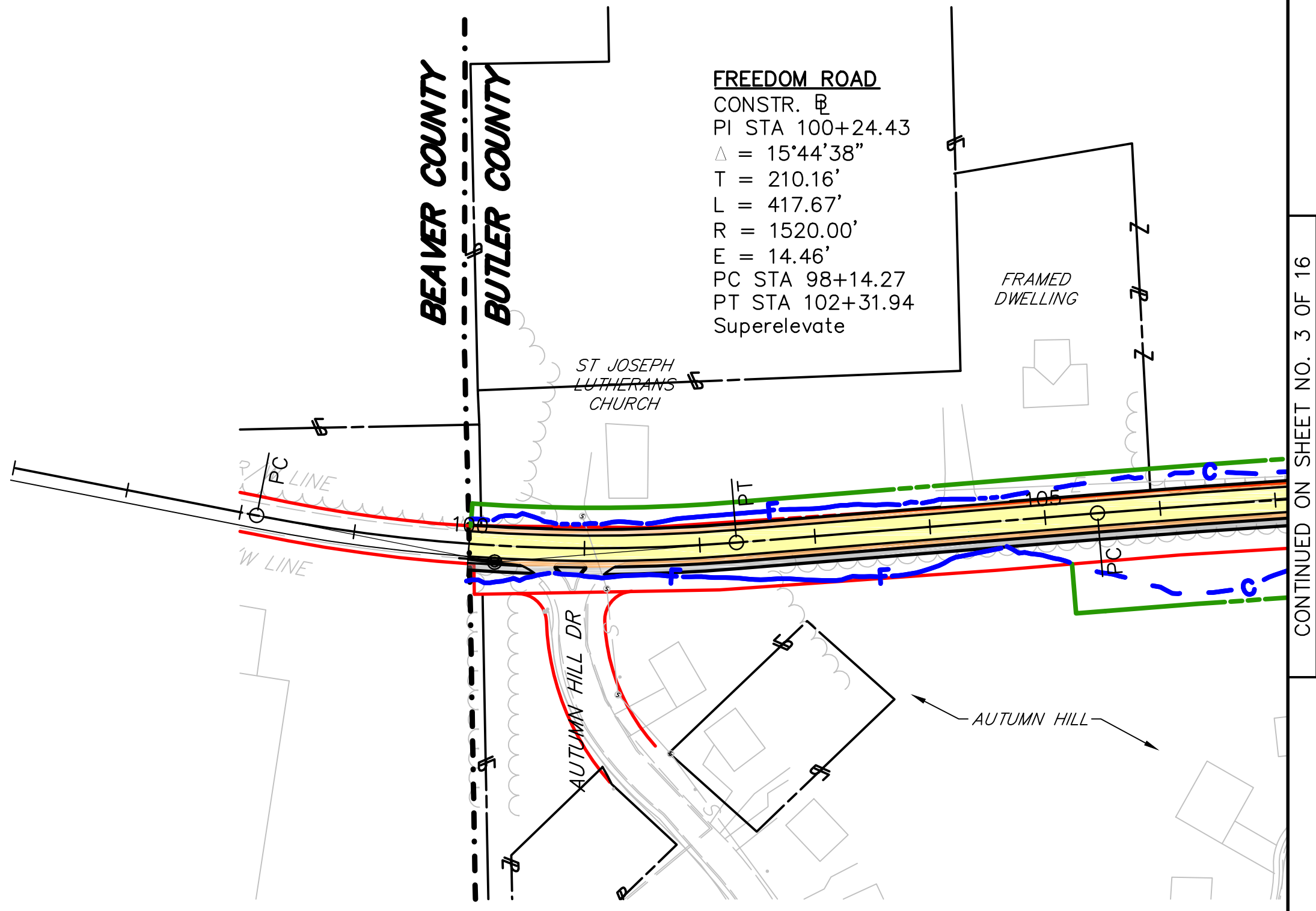
JOB # 001261.0492

MAY 2017

HRG
Herbert, Rowland & Geisler, Inc.
Engineering & Related Services
AN EMPLOYEE-OWNED COMPANY

200 West Kensington Drive, Suite 400
Cranberry Township, PA 16066
(724) 779-4777
Fax (724) 779-4711
hr@hrg-inc.com
www.hrg-inc.com

CRANBERRY
TOWNSHIP
TOGETHER TOWARD TOMORROW
2525 Rochester Road, Suite 400
Cranberry Township, PA 16066-6499
(724) 776-4806 FAX (724) 776-5488



FREEDOM ROAD CORRIDOR CONCEPTUAL PLAN

PLAN VIEW

SHEET 2 OF 16

CRANBERRY TOWNSHIP, PA, 16066

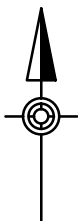
JOB # 001261.0492

MAY 2017

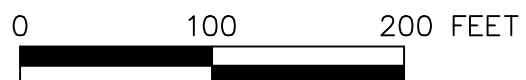
HRG
 Herbert, Rowland & Gribble, Inc.
 Engineering & Related Services
 AN EMPLOYEE-OWNED COMPANY

200 West Kensington Drive, Suite 400
 Cranberry Township, PA 16066
 (724) 779-4777
 Fax (724) 779-4711
 hrghrg@hrg-inc.com
 www.hrg-inc.com

CRANBERRY
 TOWNSHIP
 TOGETHER TOWARD TOMORROW
 2525 Rochester Road, Suite 400
 Cranberry Township, PA 16066-6499
 (724) 776-4806 FAX (724) 776-5488

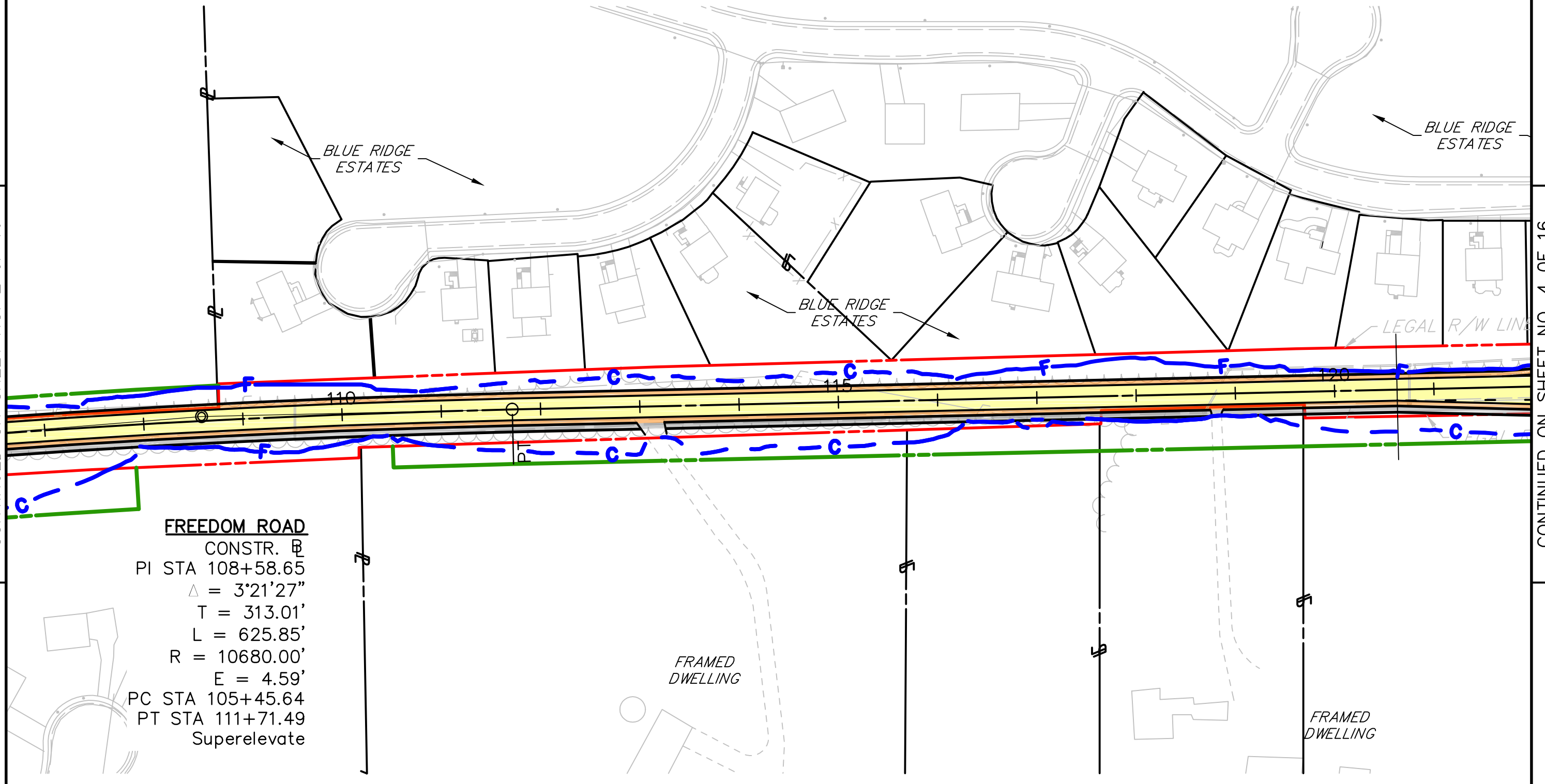


SCALE



CONTINUED ON SHEET NO. 2 OF 16

CONTINUED ON SHEET NO. 4 OF 16



FREEDOM ROAD

CONSTR. R/W
PI STA 108+58.65
 $\Delta = 3^{\circ}21'27''$
T = 313.01'
L = 625.85'
R = 10680.00'
E = 4.59'
PC STA 105+45.64
PT STA 111+71.49
Superelevate

FRAMED DWELLING

FRAMED DWELLING

FREEDOM ROAD CORRIDOR CONCEPTUAL PLAN

PLAN VIEW

SHEET 3 OF 16

CRANBERRY TOWNSHIP, PA, 16066

JOB # 001261.0492

MAY 2017

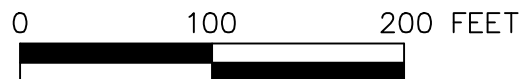
HRG
Robert Rowland & Grubis, Inc.
Engineering & Related Services
AN EMPLOYEE-OWNED COMPANY

200 West Kensington Drive, Suite 400
Cranberry Township, PA 16066
(724) 779-4777
Fax (724) 779-4771
hrghg@hrghg.com
www.hrg-inc.com

CRANBERRY
TOWNSHIP
TOGETHER TOWARD TOMORROW
2525 Rochester Road, Suite 400
Cranberry Township, PA 16066-6499
(724) 776-8806 FAX (724) 776-5488

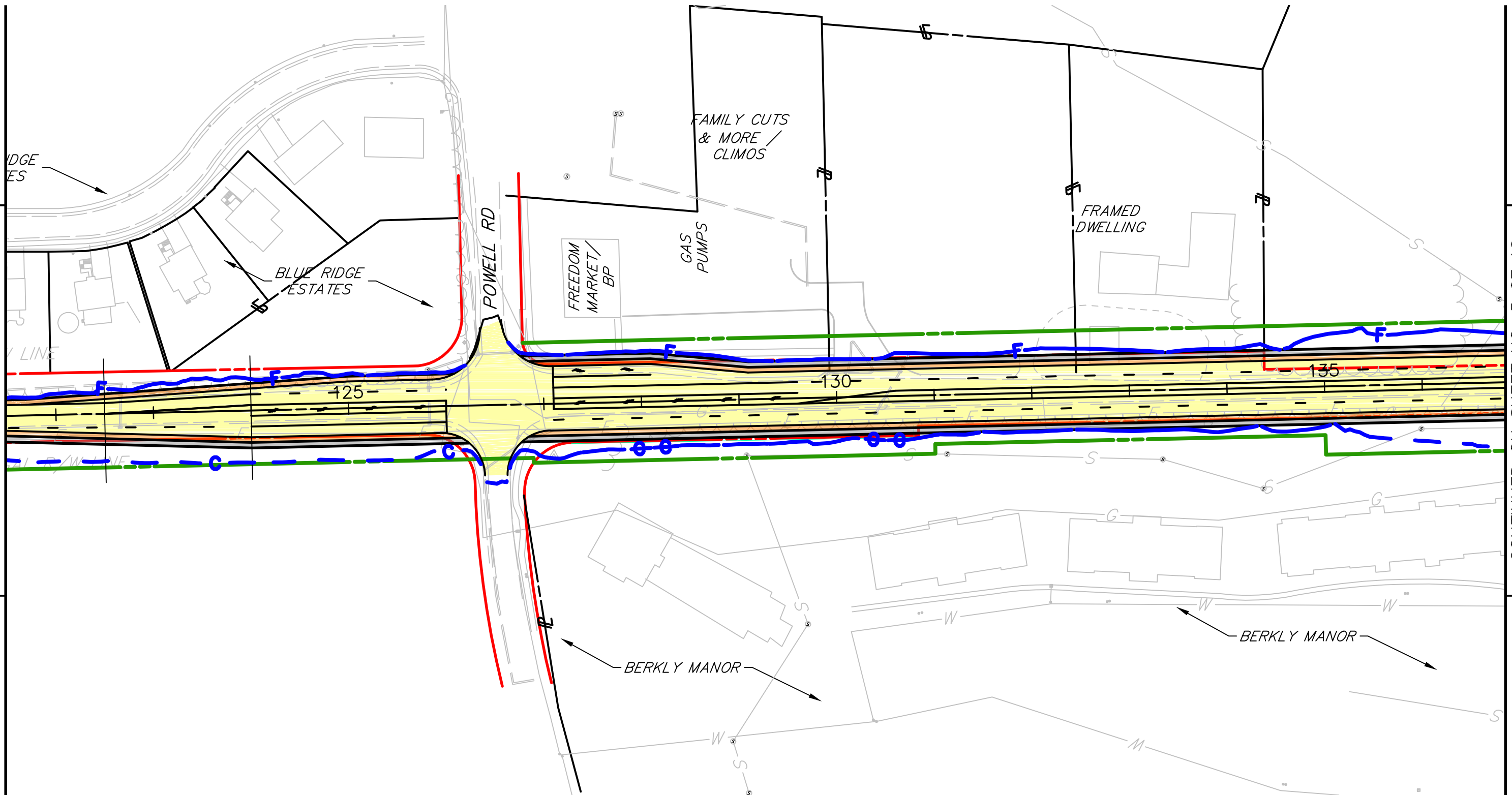


SCALE



CONTINUED ON SHEET NO. 3 OF 16

CONTINUED ON SHEET NO. 5 OF 16



FREEDOM ROAD CORRIDOR CONCEPTUAL PLAN

PLAN VIEW

SHEET 4 OF 16

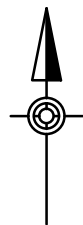
CRANBERRY TOWNSHIP, PA, 16066

JOB # 001261.0492

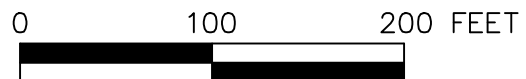
MAY 2017



200 West Kensing Drive, Suite 400
Cranberry Township, PA 16066
(724) 779-4777
Fax (724) 779-4711
hr@hrg-inc.com
www.hrg-inc.com

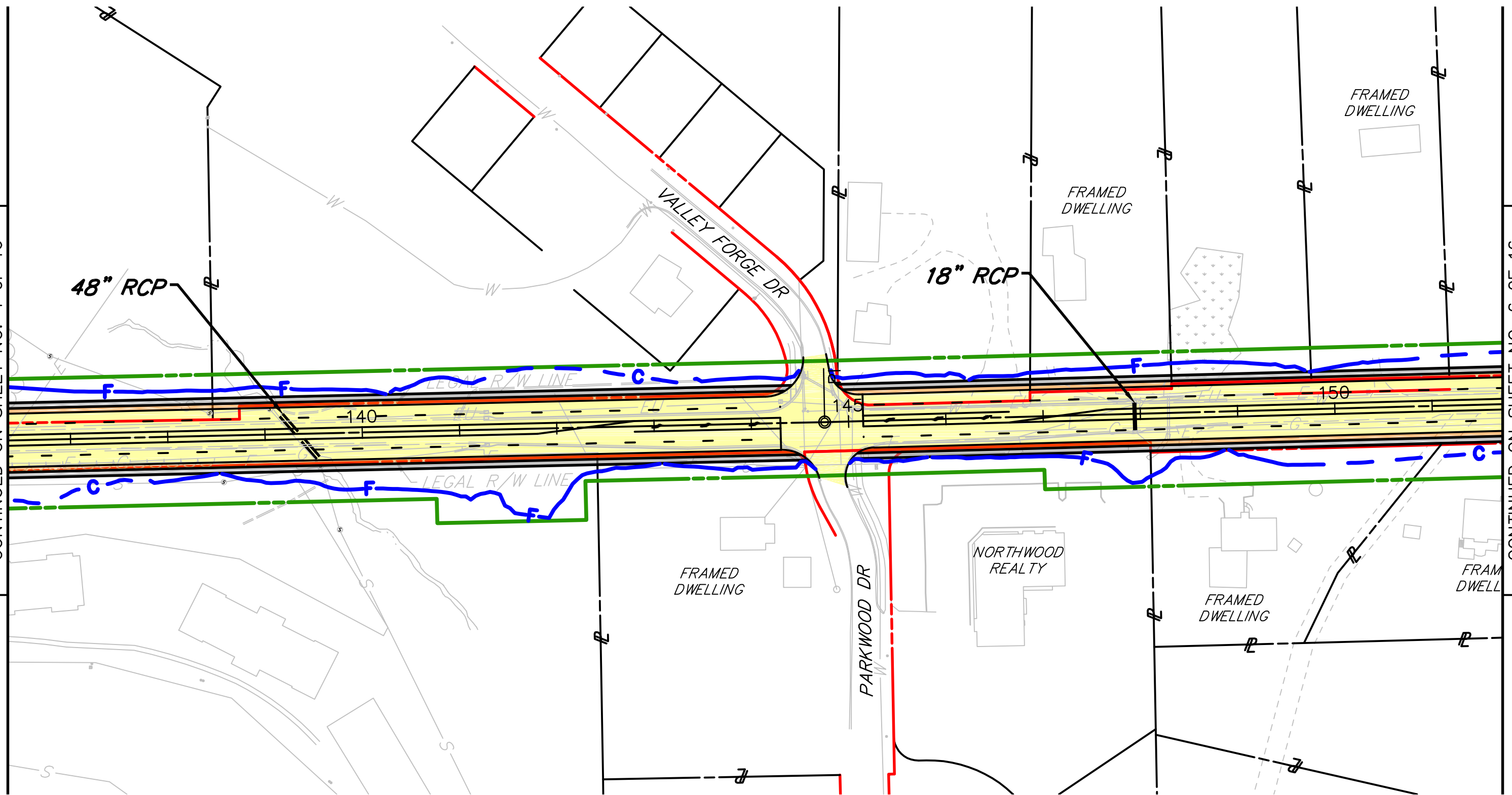


SCALE



CONTINUED ON SHEET NO. 4 OF 16

CONTINUED ON SHEET NO. 6 OF 16



FREEDOM ROAD CORRIDOR CONCEPTUAL PLAN

PLAN VIEW

SHEET 5 OF 16

CRANBERRY TOWNSHIP, PA, 16066

JOB # 001261.0492

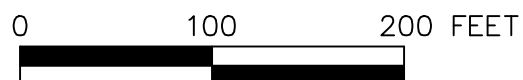
MAY 2017

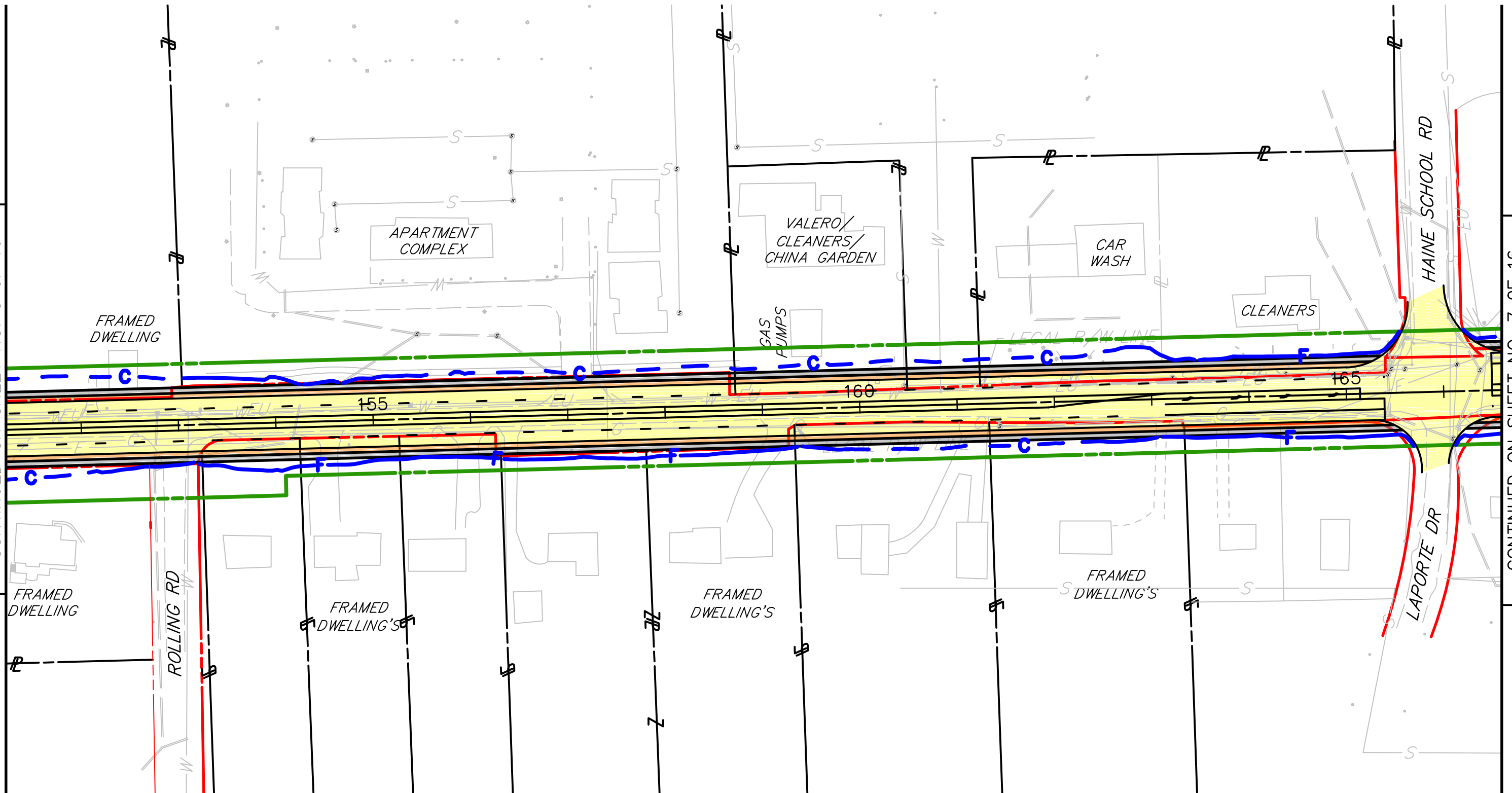


200 West Kensington Drive, Suite 400
Cranberry Township, PA 16066
(724) 779-4777
Fax (724) 779-4711
hrg@hrg-inc.com
www.hrg-inc.com



SCALE





FREEDOM ROAD CORRIDOR CONCEPTUAL PLAN

PLAN VIEW

SHEET 6 OF 16

CRANBERRY TOWNSHIP, PA, 16066

JOB # 001261.0492

MAY 2017

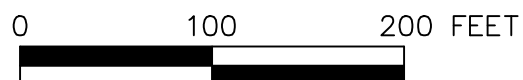
HRG

Robert Howard & George, Inc.
Engineering & Related Services
AN EMPLOYEE-OWNED COMPANY

200 West Kensington Drive, Suite 400
Cranberry Township, PA 16066
(724) 779-4777
Fax (724) 779-4711
hrge@hrg-inc.com
www.hrg-inc.com

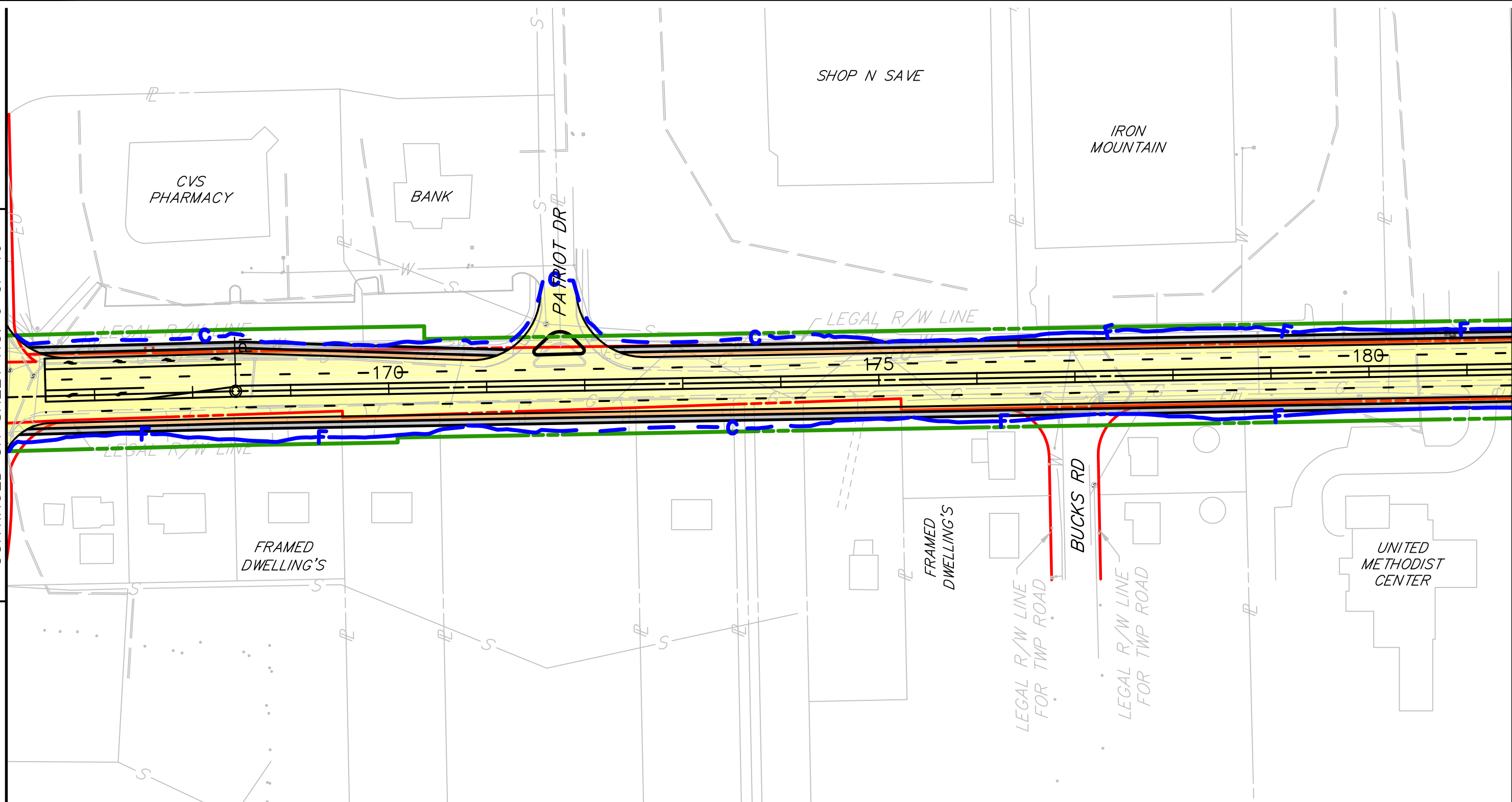


SCALE



CONTINUED ON SHEET NO. 6 OF 16

CONTINUED ON SHEET NO. 8 OF 16



FREEDOM ROAD CORRIDOR CONCEPTUAL PLAN

PLAN VIEW

SHEET 7 OF 16

CRANBERRY TOWNSHIP, PA, 16066

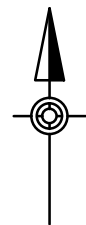
JOB # 001261.0492

MAY 2017

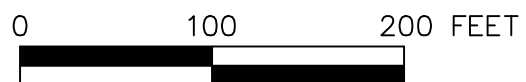
HRG
Highway, Roadway & Geotechnical, Inc.
Engineering & Related Services
AN EMPLOYEE-OWNED COMPANY

200 West Kensington Drive, Suite 400
Cranberry Township, PA 16066
(724) 779-4777
Fax (724) 779-4711
hrg@hrg-inc.com
www.hrg-inc.com

CRANBERRY
TOWNSHIP
TOGETHER TOWARD TOMORROW
2525 Rochester Road, Suite 400
Cranberry Township, PA 16066-6499
(724) 776-4806 FAX (724) 776-5488

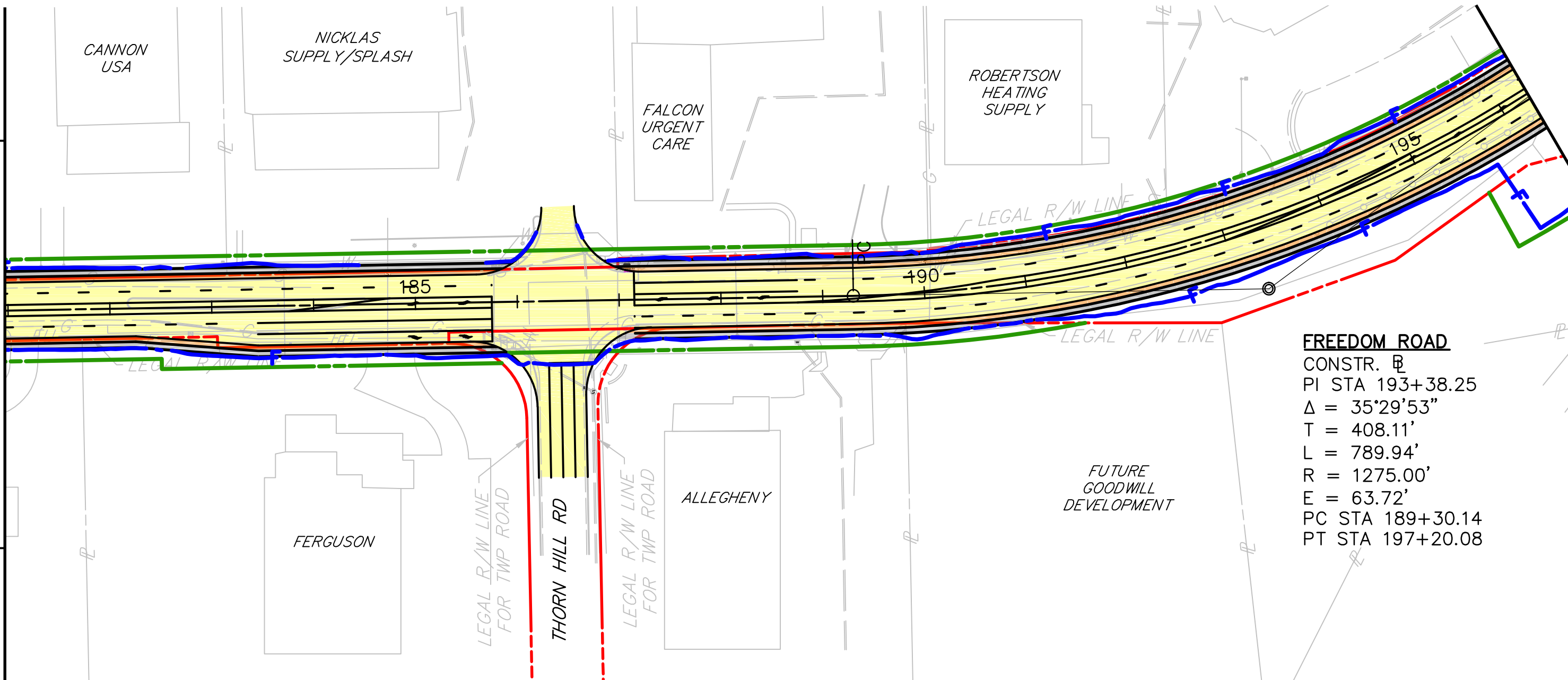


SCALE



CONTINUED ON SHEET NO. 7 OF 16

CONTINUED ON SHEET NO. 9 OF 16



FREEDOM ROAD CORRIDOR CONCEPTUAL PLAN

PLAN VIEW

SHEET 8 OF 16

CRANBERRY TOWNSHIP, PA, 16066

JOB # 001261.0492

MAY 2017

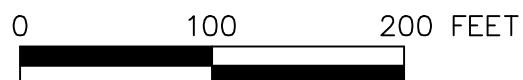
HRG
Herbert, Rowland & Guthrie, Inc.
Engineering & Related Services
AN EMPLOYEE-OWNED COMPANY

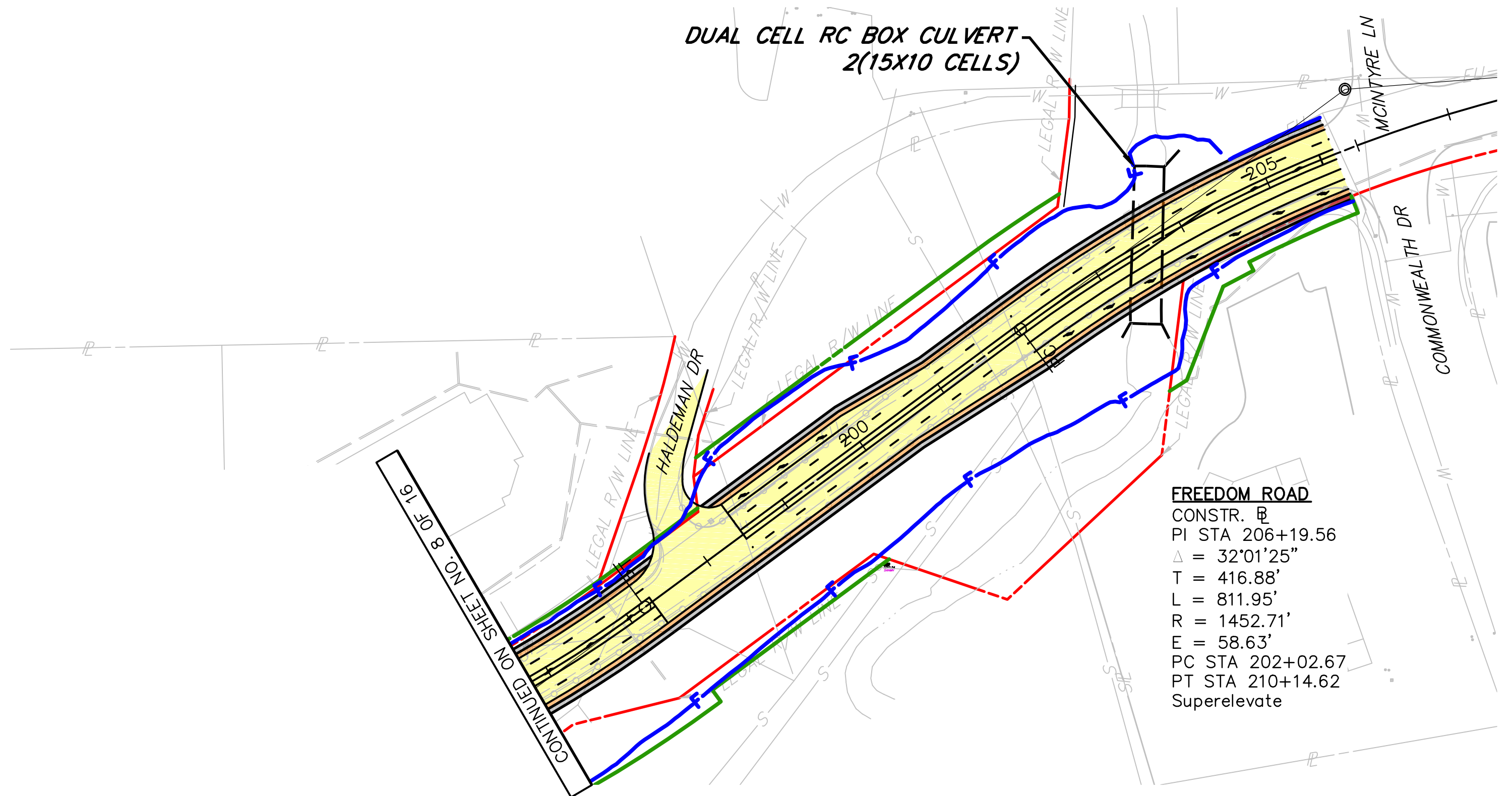
200 West Kensington Drive, Suite 400
Cranberry Township, PA 16066
(724) 779-4777
Fax (724) 779-4711
hr@hrg-inc.com
www.hrg-inc.com

CRANBERRY
TOWNSHIP
TOGETHER TOWARD TOMORROW
2525 Rochester Road, Suite 400
Cranberry Township, PA 16066-6499
(724) 776-4806 FAX (724) 776-5488



SCALE





FREEFOM ROAD CORRIDOR CONCEPTUAL PLAN

PLAN VIEW

SHEET 9 OF 16

CRANBERRY TOWNSHIP, PA, 16066

JOB # 001261.0492

MAY 2017

HRG

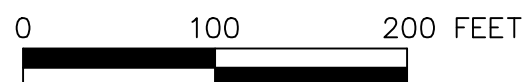
Robert Rowland & Gribble, Inc.
Engineering & Related Services
AN EMPLOYEE-OWNED COMPANY

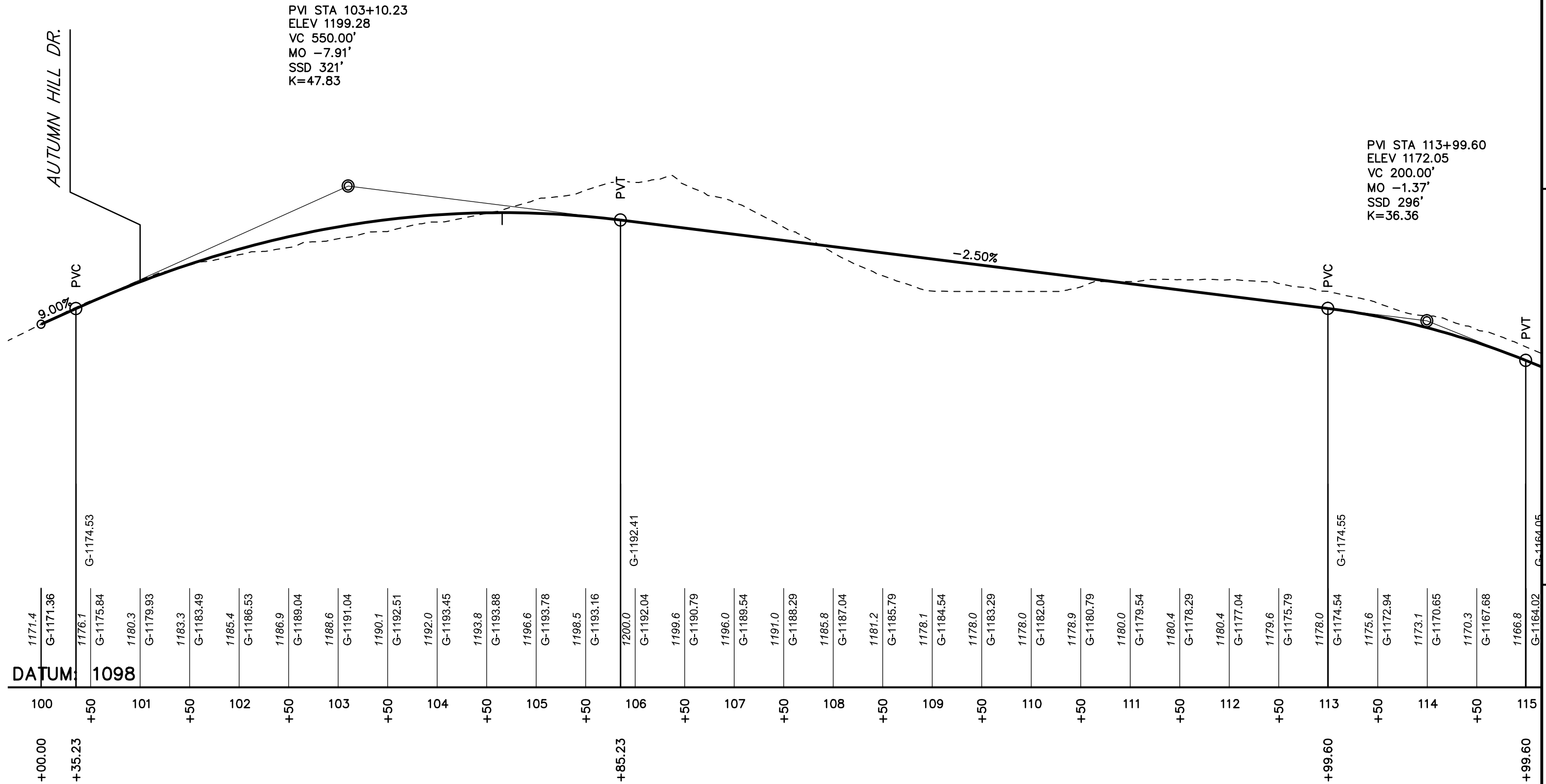
200 West Kensington Drive, Suite 400
Cranberry Township, PA 16066
(724) 779-4777
Fax (724) 779-4711
hr@hrginc.com
www.hrginc.com

CRANBERRY
TOWNSHIP
TOGETHER TOWARD TOMORROW
2525 Rochester Road, Suite 400
Cranberry Township, PA 16066-6499
(724) 776-4806 FAX (724) 776-5488



SCALE





DATUM: 1098

100 +50 101 +50 102 +50 103 +50 104 +50 105 +50 106 +50 107 +50 108 +50 109 +50 110 +50 111 +50 112 +50 113 +50 114 +50 115

+00.00 +35.23 +85.23 +99.60 +99.60

FREEDOM ROAD CORRIDOR CONCEPTUAL PLAN
PROFILE VIEW
SHEET 10 OF 16
CRANBERRY TOWNSHIP, PA, 16066
JOB # 001261.0492
MAY 2017



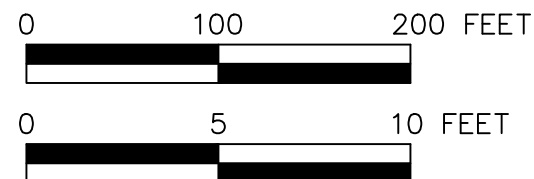
200 West Kensington Drive, Suite 400
Cranberry Township, PA 16066
(724) 779-4777
Fax (724) 779-4711
hr@hrg-inc.com
www.hrg-inc.com



HORIZONTAL

VERTICAL

SCALE



CONTINUED ON SHEET NO. 11 OF 16

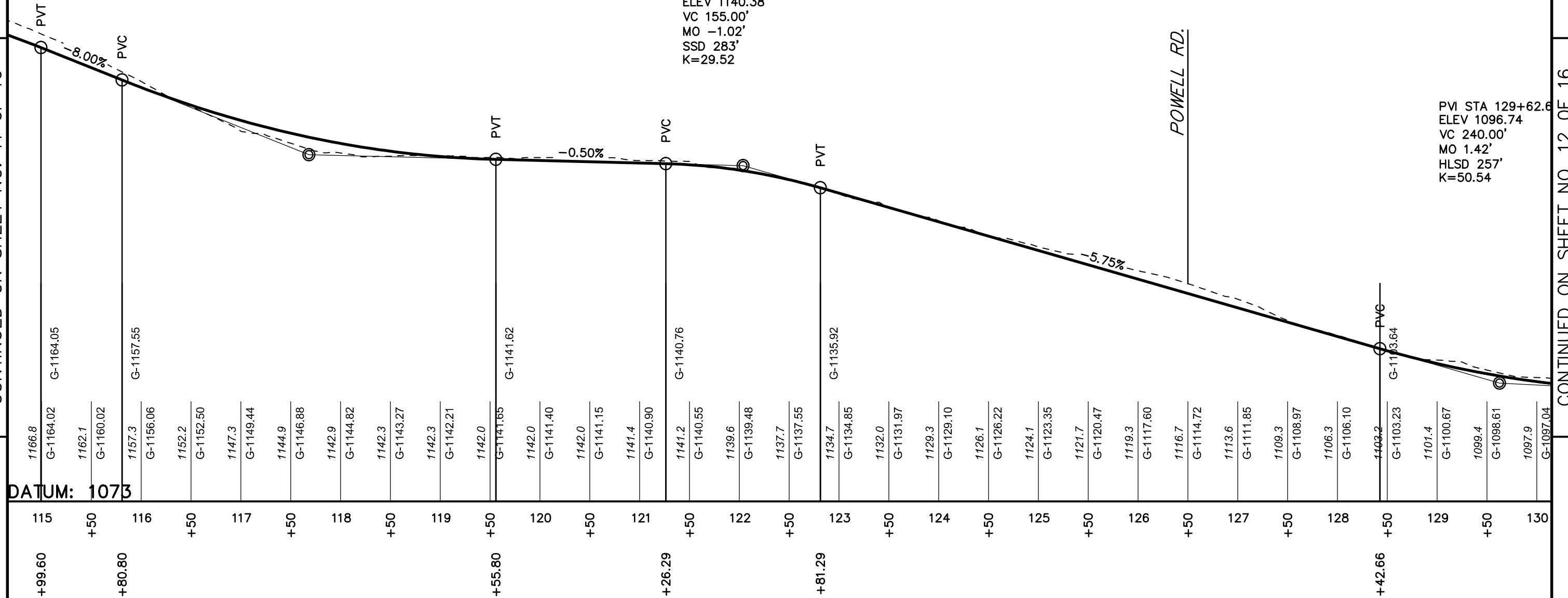
CONTINUED ON SHEET NO. 11 OF 16

CONTINUED ON SHEET NO. 12 OF 16

PVI STA 117+68.30
ELEV 1142.55
VC 375.00'
MO 3.52'
HLSD 254'
K=50.00

PVI STA 122+03.79
ELEV 1140.38
VC 155.00'
MO -1.02'
SSD 283'
K=29.52

PVI STA 129+62.6
ELEV 1096.74
VC 240.00'
MO 1.42'
HLSD 257'
K=50.54



DATUM: 1073

FREEDOM ROAD CORRIDOR CONCEPTUAL PLAN

PROFILE VIEW

SHEET 11 OF 16

CRANBERRY TOWNSHIP, PA, 16066

JOB # 001261.0492

MAY 2017

HRG
Herbert, Rowland & Geisler, Inc.
Engineering & Related Services
AN EMPLOYEE-OWNED COMPANY

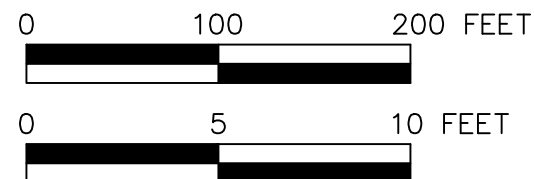
200 West Kensington Drive, Suite 400
Cranberry Township, PA 16066
(724) 779-4777
Fax (724) 779-4711
hrge@hrge-inc.com
www.hrge-inc.com

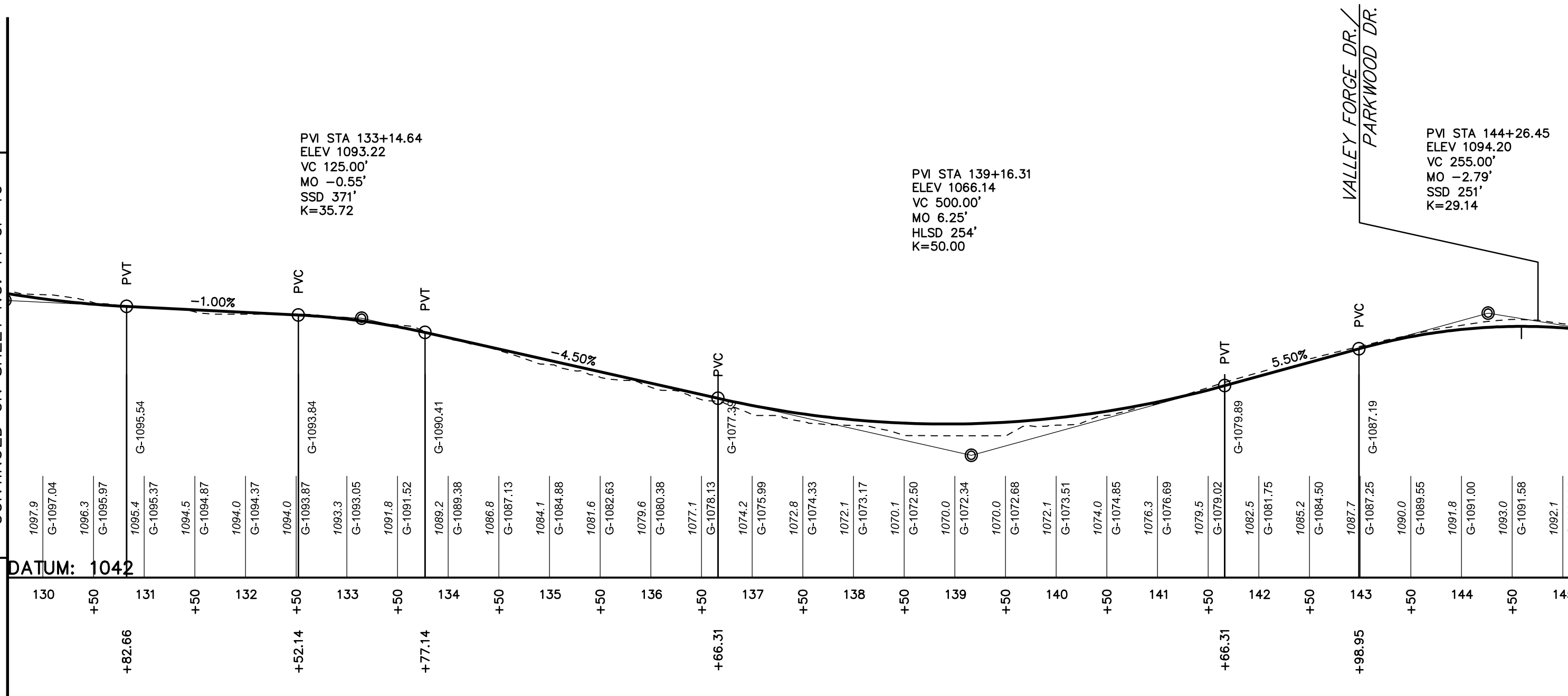
CRANBERRY
TOWNSHIP
TOGETHER TOWARD TOMORROW
2525 Rochester Road, Suite 400
Cranberry Township, PA 16066-6499
(724) 776-4806 FAX (724) 776-5488

HORIZONTAL

VERTICAL

SCALE





FREEDOM ROAD CORRIDOR CONCEPTUAL PLAN

PROFILE VIEW

SHEET 12 OF 16

CRANBERRY TOWNSHIP, PA, 16066

JOB # 001261.0492

MAY 2017



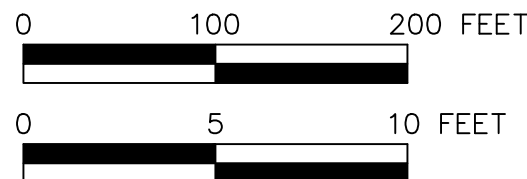
200 West Kensington Drive, Suite 400
Cranberry Township, PA 16066
(724) 779-4777
Fax (724) 779-4711
hr@hrg-inc.com
www.hrg-inc.com

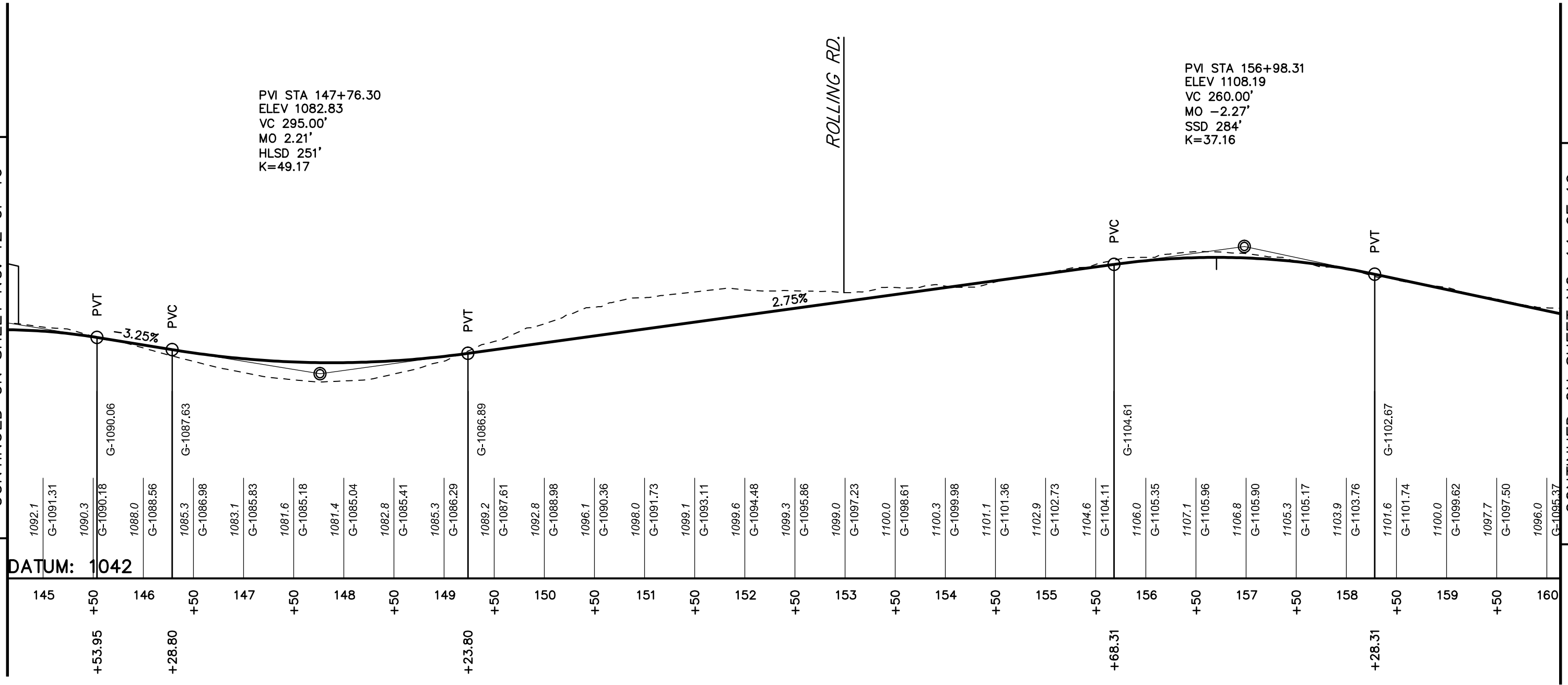


HORIZONTAL

VERTICAL

SCALE





DATUM: 1042

FREEDOM ROAD CORRIDOR CONCEPTUAL PLAN

PROFILE VIEW

SHEET 13 OF 16

CRANBERRY TOWNSHIP, PA, 16066

JOB # 001261.0492

MAY 2017



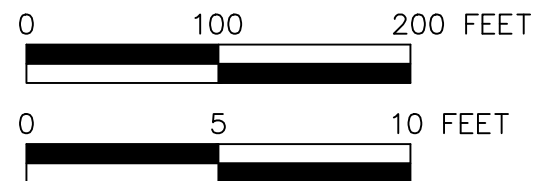
200 West Kensington Drive, Suite 400
Cranberry Township, PA 16066
(724) 779-4777
Fax (724) 779-4777
hr@hrg-inc.com
www.hrg-inc.com



HORIZONTAL

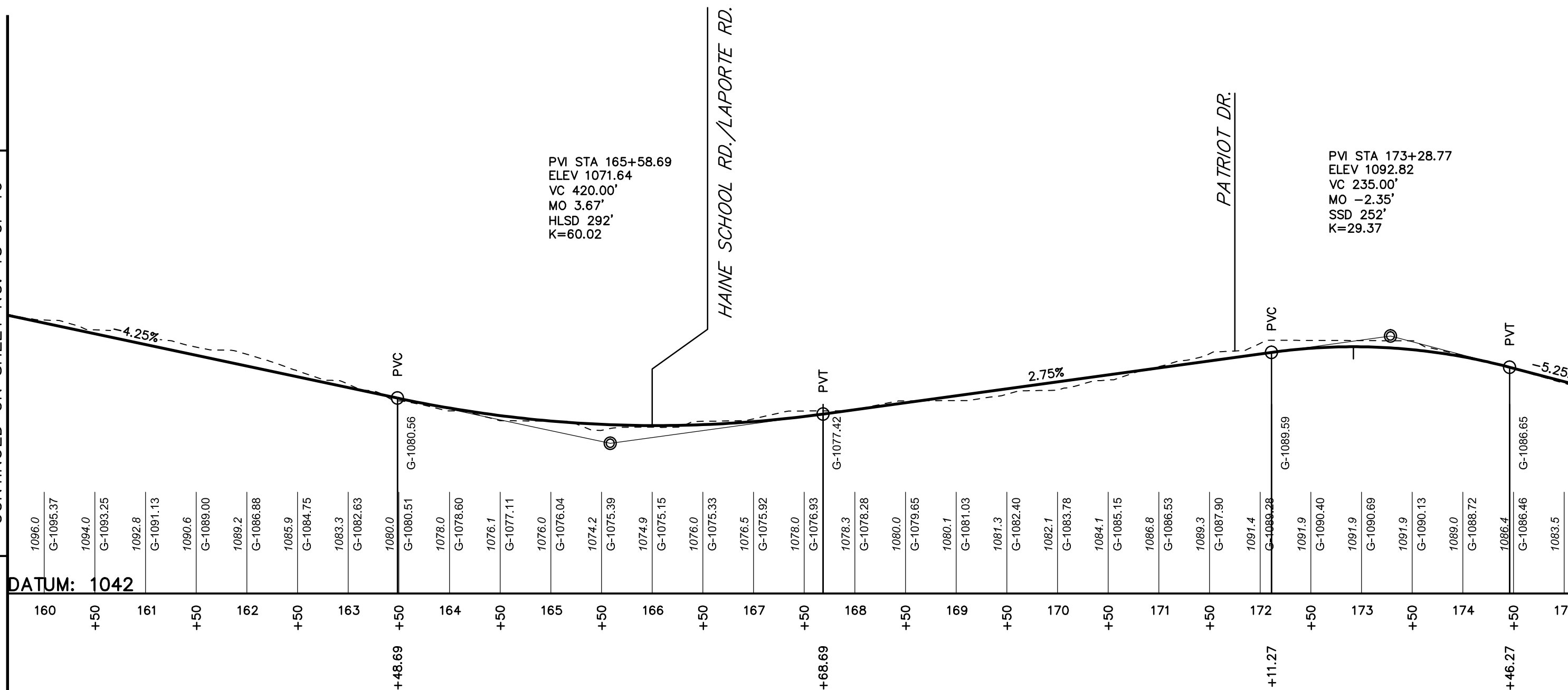
VERTICAL

SCALE



CONTINUED ON SHEET NO. 13 OF 16

083.83 /% CONTINUED ON SHEET NO. 15 OF 16



FREEDOM ROAD CORRIDOR CONCEPTUAL PLAN

PROFILE VIEW

SHEET 14 OF 16

CRANBERRY TOWNSHIP, PA, 16066

JOB # 001261.0492

MAY 2017



Herbert, Rowland & Grubic, Inc.
Engineering & Related Services
AN EMPLOYEE-OWNED COMPANY

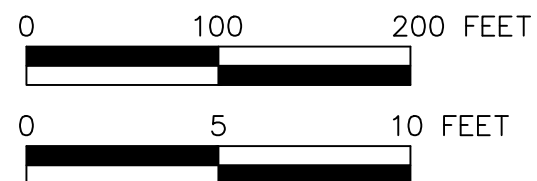
**200 West Kensington Drive, Suite 400
Cranberry Township, PA 16066
(724) 779-4777
Fax (724) 779-4711
hrg@hrg-inc.com
www.hrg-inc.com**



HORIZONTAL

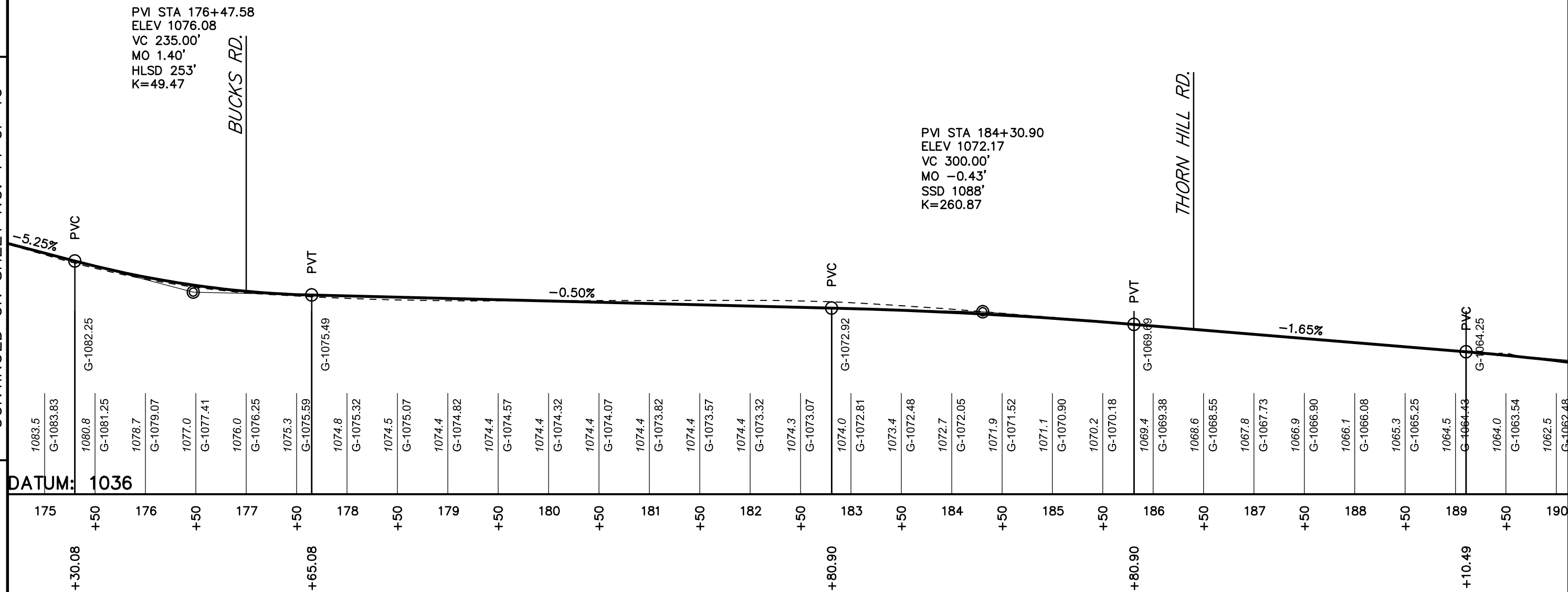
VERTICAL

SCALE



CONTINUED ON SHEET NO. 14 OF 16

CONTINUED ON SHEET NO. 16 OF 16



FREEDOM ROAD CORRIDOR CONCEPTUAL PLAN

PROFILE VIEW

SHEET 15 OF 16

CRANBERRY TOWNSHIP, PA, 16066

JOB # 001261.0492

MAY 2017



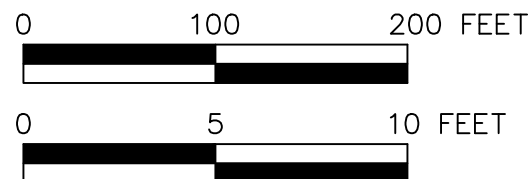
200 West Kensington Drive, Suite 400
Cranberry Township, PA 16066
(724) 779-4777
Fax (724) 779-4711
hrghrg.com
www.hrg-inc.com



HORIZONTAL

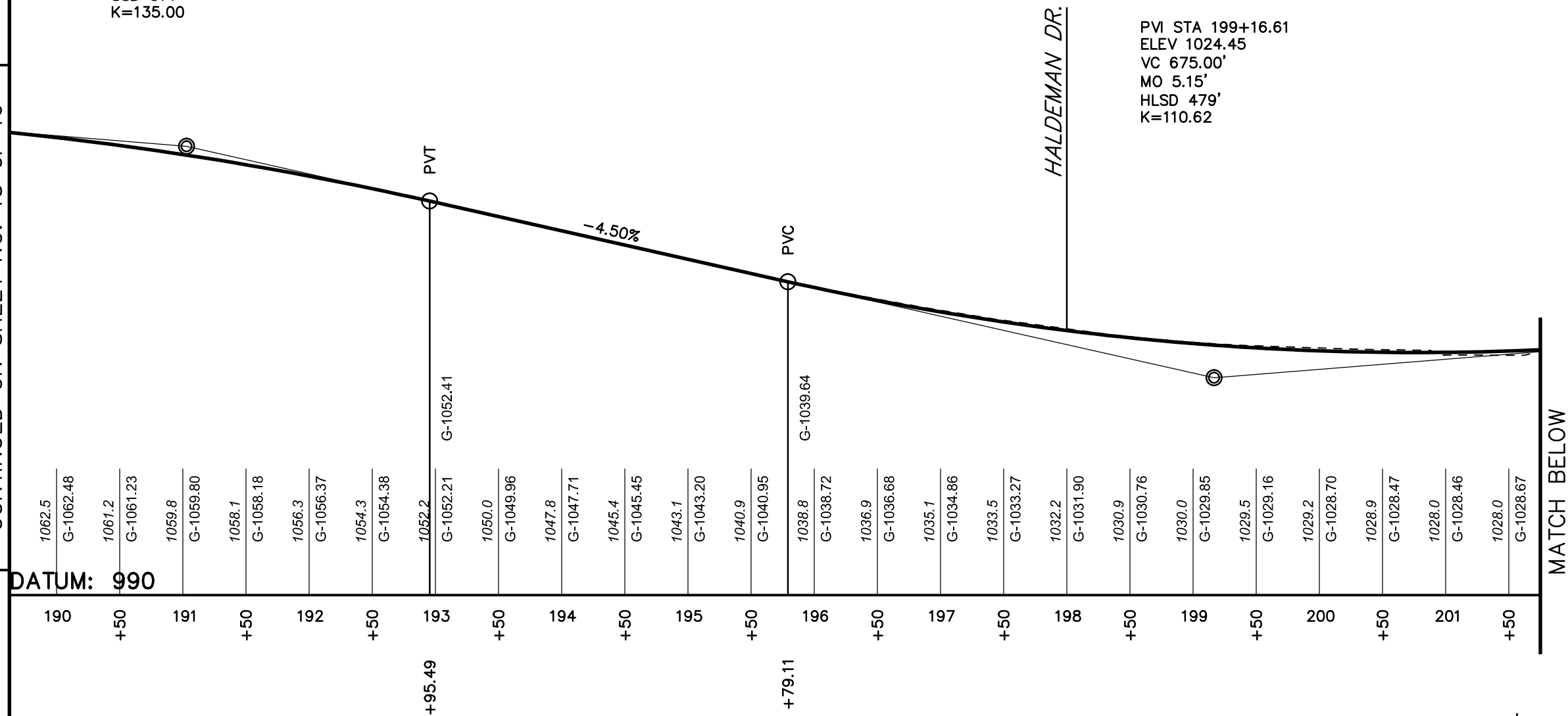
VERTICAL

SCALE



PVI STA 191+02.99
ELEV 1061.08
VC 385.00'
MO -1.37'
SSD 571'
K=135.00

PVI STA 199+16.61
ELEV 1024.45
VC 675.00'
MO 5.15'
HLSD 479'
K=110.62



PVI STA 203+96.45
ELEV 1032.13
VC 150.00'
MO -0.39'
SSD 589'
K=71.43

FREEDOM ROAD CORRIDOR CONCEPTUAL PLAN

PROFILE VIEW
SHEET 16 OF 16
CRANBERRY TOWNSHIP, PA, 16066
JOB # 001261.0492
MAY 2017



200 West Kensington Drive, Suite 400
Cranberry Township, PA 16066
(724) 779-4777
Fax (724) 779-4711
hr@hrg-inc.com
www.hrg-inc.com



HORIZONTAL

VERTICAL

SCALE

