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PYWALL for Windows, Version 2022.7.5

Serial Number : 447597562

A Program for the Analysis of
Flexible Retaining Walls
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Path to file locations : J:\20230339\ODOT\07_D11 Bridge
St_Bowerston\120494\400-Engineering\Structures\SFN_3431790\EngData\17_Temp
Shoring\Stage 3 Design\PYWALL\
Name of input data file : Temp Shoring_SW WW Service with Water.py7d
Name of output file : Temp Shoring_SW WW Service with Water.py7o
Name of plot output file : Temp Shoring_SW WW Service with Water.py7p

Time and Date of Analysis

Date: December 19, 2025 Time: 10:55:18

New Wall

* PROGRAM CONTROL PARAMETERS *

NO OF POINTS FOR SPECIFIED DEFLECTIONS AND SLOPES	= 0
NO OF WALL SECTIONS	= 1
NO OF CROSS SECTIONS	= 1
GENERATE EARTH PRESSURE INTERNALLY	= 1
GENERATE SOIL RESISTANCE (P-Y) CURVES INTERNALLY	= 1
NO OF P-Y MODIFICATION FACTORS FOR GEN. P-Y CURVES	= 0
NO OF USER-SPECIFIED SOIL RESISTANCE (P-Y) CURVES	= 0
NO OF TIE BACKS	= 0
NO OF STRUTS/RAKERS	= 0

HEIGHT OF WALL	=	38.000 FT
NUMBER OF INCREMENTS	=	100
INCREMENT LENGTH	=	4.560 IN
MAXIMUM ALLOWABLE DEFLECTION	=	100.000 IN
DEFLECTION CLOSURE TOLERANCE	=	1.000E-05 IN
MAXIMUM NUMBER OF ITERATIONS	=	100

* WALL SECTIONS *

SECT	TOP FT	BOTTOM FT	SECTION
1	0.00000	38.0000	1

* CROSS SECTIONS *

CROSS SECTION : 1
 SECTION NAME : PZ
 TYPE : ELASTIC
 CROSS SECTION TYPE : SHEET PILING
 SOURCE : USS
 SECTION NAME : PZ
 WIDTH : 19.6900 IN
 DEPTH : 16.1000 IN
 WEB THICKNESS : 0.50000 IN
 YOUNG MODULUS : 2.90000E+07 LBS/IN**2

* CROSS SECTIONS PROPERTIES *

ELASTIC SECTIONS

SECT	DIAM, IN	I, IN**4
1	19.6900	805.400

 * STIFFNESS AND LOAD DATA *

EI - FLEXURAL RIGIDITY, Q - TRANSVERSE LOAD,
 S - STIFFNESS OF TRANSVERSE RESISTANCE,
 T - TORQUE, P - AXIAL LOAD,
 R - STIFFNESS OF TORSIONAL RESISTANCE.

FROM	TO	CONTD	EI LBS-IN**2	Q LBS	S LBS/IN	T IN-LBS	R IN-LBS	P LBS
0	1		2.336E+10	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
100	0		2.336E+10	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

 * WALL INFORMATION *

FREE HEIGHT OF WALL = 1.153E+01 FT
 WIDTH FOR EARTH PRESSURE, WA = 1.969E+01 IN
 WIDTH FOR SOIL RESISTANCE, WP = 1.969E+01 IN
 DEPTH TO THE WATER TABLE AT BACKFILL = 7.610E+00 FT
 DEPTH TO THE WATER TABLE AT EXCAVATION = 1.153E+01 FT
 UNIT WEIGHT OF WATER = 3.600E-02 LBS/IN**3
 SLOPE OF THE BACKFILL (deg.) = 0.000E+00
 SLOPE OF THE EXCAVATION GROUND (deg.) = 0.000E+00
 MODIFICATION FOR ACTIVE EARTH PRESSURE = 1.000E+00

 * SURCHARGE INFORMATION *

UNIFORM SURFACE PRESSURE = 0.000E+00 LBS/IN**2

 * SOIL INFORMATION *

LAYER NO.	TOTAL THICKNESS	COHESION/ STRENGTH	TOTAL UNIT			
	FT	PSI	PHI DEG	WEIGHT PCI	DRAINED T OR F	ZTOP FT
1	7.6	5.2	0.0	0.072	T	0.00
2	3.0	5.2	0.0	0.084	T	7.61
3	0.9	0.0	28.0	0.075	T	10.61
4	6.6	0.0	28.0	0.075	T	11.53
5	4.5	5.2	0.0	0.084	F	18.11
6	10.0	10.4	0.0	0.084	F	22.61
7	22.4	31.2	0.0	0.084	F	32.61

 * EFFECTIVE OVERBURDEN STRESS *

DEPTH FT	STRESS LBS/IN**2
0.000E+00	0.000E+00
7.610E+00	6.553E+00
1.061E+01	8.278E+00
1.153E+01	8.711E+00
1.811E+01	1.181E+01
2.261E+01	1.440E+01
3.261E+01	2.015E+01

 * ACTIVE AND PASSIVE EARTH PRESSURE COEFFICIENT *

LAYER NO.	ACTIVE EARTH COEFFICIENT	PASSIVE EARTH(*) COEFFICIENT	OPTIONAL EARTH(**) COEFFICIENT
1	1.000E+00	1.000E+00	4.217E-01
2	1.000E+00	1.000E+00	4.217E-01
3	3.610E-01	2.770E+00	4.217E-01
4	3.610E-01	2.770E+00	0.000E+00
5	1.000E+00	1.000E+00	0.000E+00
6	1.000E+00	1.000E+00	0.000E+00
7	1.000E+00	1.000E+00	0.000E+00

NOTES:

- (*) PASSIVE EARTH COEFFICIENT IS PRINTED ONLY FOR REFERENCE,
 IT IS NOT USED FOR ANALYSIS
- (**) OPTIONAL EARTH COEFFICIENT IS USED TO ESTIMATE ACTIVE PRESSURE
 IF IT IS DIFFERENT THAN ZERO

 * ACTIVE EARTH PRESSURE OF EACH LAYER *

LAYER NO	PA1 LBS/IN	Z1 FT	PA2 LBS/IN	Z2 FT	PA3 LBS/IN	Z3 FT	PA4 LBS/IN
1	0.00	3.80	126.19	5.07	0.00	-0.00	0.00
2	99.49	9.11	13.09	9.61	0.00	-0.00	0.00
3	38.54	11.07	1.01	11.22	0.00	-0.00	0.00

 * ACTIVE WATER PRESSURE OF EACH LAYER *

LAYER NO	PW1 LBS/IN	Z1 FT	PW2 LBS/IN	Z2 FT
2	0.00	9.11	23.33	9.61
3	14.31	11.07	2.19	11.22

* GENERATED TRIANGULAR-DISTRIBUTION EARTH PRESSURE

DEPTH FT	ACTIVE EARTH PRESSURE LBS/IN
-----	-----
0.00000E+00	0.00000E+00
5.01758E-01	3.58791E+00
1.00350E+00	7.17563E+00
1.50525E+00	1.07635E+01
2.00700E+00	1.43515E+01
2.50875E+00	1.79392E+01
3.01058E+00	2.15271E+01
3.51233E+00	2.51146E+01
4.01408E+00	2.87021E+01
4.51583E+00	3.22916E+01
5.01758E+00	3.58791E+01
5.51933E+00	3.94666E+01
6.02108E+00	4.30542E+01
6.52283E+00	4.66417E+01
7.02458E+00	5.02292E+01
7.52633E+00	5.38187E+01
8.02667E+00	5.99482E+01
8.52667E+00	6.65896E+01
9.02667E+00	7.32291E+01
9.52667E+00	7.98705E+01
1.00267E+01	8.65100E+01
1.05267E+01	9.31495E+01
1.10283E+01	9.94483E+01
1.15300E+01	1.05678E+02
1.20300E+01	9.52681E+01
1.25292E+01	9.52681E+01
1.30292E+01	9.52681E+01
1.35292E+01	9.52681E+01
1.40283E+01	9.52681E+01
1.45283E+01	9.52681E+01
1.50283E+01	9.52681E+01
1.55283E+01	9.52681E+01
1.60275E+01	9.52681E+01
1.65275E+01	9.52681E+01
1.70275E+01	9.52681E+01
1.75267E+01	9.52681E+01
1.80267E+01	9.52681E+01

1.85267E+01	8.78174E-09
1.90267E+01	9.01802E-09
1.95267E+01	9.25430E-09
2.00267E+01	9.49058E-09
2.05267E+01	9.72686E-09
2.10267E+01	9.96314E-09
2.15267E+01	1.01994E-08
2.20267E+01	1.04357E-08
2.25267E+01	1.06720E-08
2.30267E+01	1.09083E-08
2.35267E+01	1.11445E-08
2.40267E+01	1.13808E-08
2.45267E+01	1.16171E-08
2.50267E+01	1.18534E-08
2.55267E+01	1.20897E-08
2.60267E+01	1.23259E-08
2.65267E+01	1.25622E-08
2.70267E+01	1.27985E-08
2.75267E+01	1.30348E-08
2.80267E+01	1.32711E-08
2.85267E+01	1.35073E-08
2.90267E+01	1.37436E-08
2.95267E+01	1.39799E-08
3.00267E+01	1.42162E-08
3.05267E+01	1.44525E-08
3.10267E+01	1.46887E-08
3.15267E+01	1.49250E-08
3.20267E+01	1.51613E-08
3.25267E+01	1.53976E-08
3.30258E+01	1.56339E-08
3.35258E+01	1.58701E-08
3.40250E+01	1.61064E-08
3.45242E+01	1.63427E-08
3.50242E+01	1.65790E-08
3.55233E+01	1.68153E-08
3.60225E+01	1.70515E-08
3.65217E+01	1.72878E-08
3.70217E+01	1.75241E-08
3.75208E+01	1.77604E-08
3.80200E+01	1.79967E-08

 * SOIL LAYERS AND STRENGTH DATA *

X AT THE SURFACE OF EXCAVATION SIDE = 11.53 FT

4 LAYER(S) OF SOIL

LAYER 1
THE SOIL IS A SAND

LAYER 2
THE SOIL IS A STIFF CLAY WITHOUT FREE WATER

LAYER 3
THE SOIL IS A STIFF CLAY WITHOUT FREE WATER

LAYER 4
THE SOIL IS A STIFF CLAY WITHOUT FREE WATER

DISTRIBUTION OF EFFECTIVE UNIT WEIGHT WITH DEPTH 8 POINTS

X, FT	WEIGHT, LBS/IN**3
11.5300	3.9231E-02
18.1100	3.9231E-02
18.1100	4.7912E-02
22.6100	4.7912E-02
22.6100	4.7912E-02
32.6100	4.7912E-02
32.6100	4.7912E-02
55.0000	4.7912E-02

DISTRIBUTION OF STRENGTH PARAMETERS WITH DEPTH 8 POINTS

X, FT	C, LBS/IN**2	PHI, DEGREE	E50	KPY, LBS/IN**3
11.53	0.0000E+00	28.000	0.0000E+00	2.0000E+01
18.11	0.0000E+00	28.000	0.0000E+00	2.0000E+01
18.11	5.2083E+00	0.000	1.5000E-02	0.0000E+00
22.61	5.2083E+00	0.000	1.5000E-02	0.0000E+00
22.61	1.0417E+01	0.000	1.0000E-02	0.0000E+00
32.61	1.0417E+01	0.000	1.0000E-02	0.0000E+00
32.61	3.1250E+01	0.000	4.0000E-03	0.0000E+00
38.76	3.1250E+01	0.000	4.0000E-03	0.0000E+00

P-Y CURVES DATA

AT THE EXCAVATION SIDE

DEPTH BELOW GS	DIAM	PHI	GAMMA	AVG	KPY	A	B	PC
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FT	IN		LBS/IN**3	LBS/IN**3			LB /IN
0.01	19.69	28.00	3.92E-02	2.00E+01	2.82	2.13	3.34E-01

Y	P
IN	LBS/IN
0.000	0.000
0.010	0.020
0.020	0.040
0.038	0.076
0.056	0.112
0.074	0.148
0.092	0.184
0.110	0.220
0.128	0.256
0.146	0.292
0.164	0.328
0.182	0.364
0.200	0.400
0.283	0.567
0.367	0.733
0.450	0.900
0.540	0.944

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE BACKFILL SIDE

DEPTH BELOW GS	DIAM	PHI	GAMMA AVG	KPY	A	B	PC
FT	IN		LBS/IN**3	LBS/IN**3			LB /IN
11.54	19.69	28.00	6.29E-02	2.00E+01	0.88	0.50	7.42E+02

Y	P
IN	LBS/IN
0.000	0.000
0.010	27.692
0.020	55.384
0.038	105.230
0.056	155.075
0.074	202.744
0.092	231.440
0.110	258.001
0.128	282.904
0.146	306.466
0.164	328.912
0.182	350.412
0.200	371.092
0.283	465.102
0.367	559.112

0.450	653.122
0.540	653.122

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE EXCAVATION SIDE

DEPTH BELOW GS FT	DIAM IN	PHI	GAMMA AVG LBS/IN**3	KPY LBS/IN**3	A	B	PC LB /IN
1.64	19.69	28.00	3.92E-02	2.00E+01	1.68	1.21	6.60E+01

Y IN	P LBS/IN
0.000	0.000
0.010	3.948
0.020	7.896
0.038	15.002
0.056	22.109
0.074	29.215
0.092	36.322
0.110	43.428
0.128	50.534
0.146	57.641
0.164	64.747
0.182	71.854
0.200	78.960
0.283	89.941
0.367	100.331
0.450	110.721
0.540	110.721

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE BACKFILL SIDE

DEPTH BELOW GS FT	DIAM IN	PHI	GAMMA AVG LBS/IN**3	KPY LBS/IN**3	A	B	PC LB /IN
13.18	19.69	28.00	6.00E-02	2.00E+01	0.88	0.50	8.08E+02

Y IN	P LBS/IN
0.000	0.000
0.010	31.620
0.020	63.240
0.038	120.156
0.056	177.072

0.074	220.669
0.092	251.902
0.110	280.812
0.128	307.916
0.146	333.561
0.164	357.992
0.182	381.392
0.200	403.901
0.283	506.223
0.367	608.544
0.450	710.866
0.540	710.866

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE EXCAVATION SIDE

DEPTH BELOW GS	DIAM	PHI	GAMMA AVG	KPY	A	B	PC
FT	IN		LBS/IN**3	LBS/IN**3			LB /IN
3.29	19.69	28.00	3.92E-02	2.00E+01	1.01	0.66	1.32E+02

Y	P
IN	LBS/IN
0.000	0.000
0.010	7.896
0.020	15.792
0.038	30.005
0.056	44.218
0.074	56.430
0.092	62.005
0.110	66.989
0.128	71.529
0.146	75.720
0.164	79.627
0.182	83.297
0.200	86.767
0.283	102.411
0.367	118.054
0.450	133.698
0.540	133.698

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE BACKFILL SIDE

DEPTH BELOW GS	DIAM	PHI	GAMMA AVG	KPY	A	B	PC
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FT	IN		LBS/IN**3	LBS/IN**3			LB /IN
14.82	19.69	28.00	5.77E-02	2.00E+01	0.88	0.50	8.74E+02

Y	P
IN	LBS/IN
0.000	0.000
0.010	35.568
0.020	71.136
0.038	135.158
0.056	199.181
0.074	238.685
0.092	272.468
0.110	303.738
0.128	333.056
0.146	360.794
0.164	387.220
0.182	412.531
0.200	436.877
0.283	547.553
0.367	658.228
0.450	768.904
0.540	768.904

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE EXCAVATION SIDE

DEPTH BELOW GS	DIAM	PHI	GAMMA AVG	KPY	A	B	PC
FT	IN		LBS/IN**3	LBS/IN**3			LB /IN
4.93	19.69	28.00	3.92E-02	2.00E+01	0.88	0.50	1.98E+02

Y	P
IN	LBS/IN
0.000	0.000
0.011	13.144
0.022	26.288
0.040	37.519
0.058	46.867
0.076	55.124
0.093	62.639
0.111	69.605
0.129	76.142
0.147	82.330
0.164	88.228
0.182	93.878
0.200	99.314
0.283	124.333
0.367	149.352

0.450	174.371
0.540	174.371

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE BACKFILL SIDE

DEPTH BELOW GS	DIAM	PHI	GAMMA AVG	KPY	A	B	PC
FT	IN		LBS/IN**3	LBS/IN**3			LB /IN
16.46	19.69	28.00	5.58E-02	2.00E+01	0.88	0.50	9.40E+02

Y	P
IN	LBS/IN
0.000	0.000
0.010	39.516
0.020	79.032
0.038	150.161
0.056	216.688
0.074	256.702
0.092	293.035
0.110	326.665
0.128	358.195
0.146	388.027
0.164	416.448
0.182	443.669
0.200	469.853
0.283	588.883
0.367	707.912
0.450	826.942
0.540	826.942

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE EXCAVATION SIDE

DEPTH BELOW GS	DIAM	PHI	GAMMA AVG	KPY	A	B	PC
FT	IN		LBS/IN**3	LBS/IN**3			LB /IN
6.57	19.69	28.00	3.92E-02	2.00E+01	0.88	0.50	2.63E+02

Y	P
IN	LBS/IN
0.000	0.000
0.011	17.003
0.022	34.006
0.039	49.065
0.057	61.575

0.075	72.618
0.093	82.668
0.111	91.985
0.129	100.728
0.146	109.007
0.164	116.899
0.182	124.461
0.200	131.737
0.283	165.111
0.367	198.484
0.450	231.858
0.540	231.858

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE BACKFILL SIDE

DEPTH BELOW GS FT	DIAM IN	PHI	GAMMA AVG LBS/IN**3	KPY LBS/IN**3	A	B	PC LB /IN
18.10	19.69	28.00	5.43E-02	2.00E+01	0.88	0.50	1.01E+03

Y IN	P LBS/IN
0.000	0.000
0.010	43.444
0.020	86.888
0.038	165.087
0.056	231.819
0.074	274.627
0.092	313.497
0.110	349.476
0.128	383.207
0.146	415.123
0.164	445.528
0.182	474.650
0.200	502.662
0.283	630.003
0.367	757.344
0.450	884.686
0.540	884.686

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE EXCAVATION SIDE

DEPTH BELOW GS	DIAM	C	CAVG	GAMMA AVG	E50
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FT	IN	LBS/IN**2	LBS/IN**2	LBS/IN**3	
6.59	19.690	5.21E+00	5.21E+00	3.92E-02	1.5000E-02

Y	P
IN	LBS/IN
0.00000	0.00000
0.00007	14.96911
0.00036	22.38404
0.00072	26.61926
0.00360	39.80507
0.00720	47.33648
0.03600	70.78454
0.07200	84.17748
0.18000	105.84758
0.36000	125.87469
0.54000	139.30325
0.72000	149.69108
1.80000	188.22657
3.60000	223.84038
7.20000	266.19257
8.10000	266.19257
9.00000	266.19257

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE BACKFILL SIDE

DEPTH BELOW GS	DIAM	C	CAVG	GAMMA AVG	E50
FT	IN	LBS/IN**2	LBS/IN**2	LBS/IN**3	
18.12	19.690	5.21E+00	5.21E+00	5.43E-02	1.5000E-02

Y	P
IN	LBS/IN
0.00000	0.00000
0.00007	24.61437
0.00036	36.80707
0.00072	43.77122
0.00360	65.45325
0.00720	77.83747
0.03600	116.39416
0.07200	138.41677
0.18000	174.04987
0.36000	206.98134
0.54000	229.06251
0.72000	246.14369
1.80000	309.50930
3.60000	368.07066
7.20000	437.71225

8.10000	437.71225
9.00000	437.71225

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE EXCAVATION SIDE

DEPTH BELOW GS	DIAM	C	CAVG	GAMMA AVG	E50
FT	IN	LBS/IN**2	LBS/IN**2	LBS/IN**3	
7.70	19.690	5.21E+00	5.21E+00	4.05E-02	1.5000E-02

Y	P
IN	LBS/IN
0.00000	0.00000
0.00007	15.67999
0.00036	23.44705
0.00072	27.88340
0.00360	41.69540
0.00720	49.58447
0.03600	74.14608
0.07200	88.17504
0.18000	110.87425
0.36000	131.85244
0.54000	145.91872
0.72000	156.79986
1.80000	197.16539
3.60000	234.47048
7.20000	278.83397
8.10000	278.83397
9.00000	278.83397

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE BACKFILL SIDE

DEPTH BELOW GS	DIAM	C	CAVG	GAMMA AVG	E50
FT	IN	LBS/IN**2	LBS/IN**2	LBS/IN**3	
19.23	19.690	5.21E+00	5.21E+00	5.40E-02	1.5000E-02

Y	P
IN	LBS/IN
0.00000	0.00000
0.00007	25.32525
0.00036	37.87008
0.00072	45.03536
0.00360	67.34358

0.00720	80.08546
0.03600	119.75570
0.07200	142.41433
0.18000	179.07654
0.36000	212.95909
0.54000	235.67798
0.72000	253.25247
1.80000	318.44812
3.60000	378.70077
7.20000	450.35365
8.10000	450.35365
9.00000	450.35365

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE EXCAVATION SIDE

DEPTH BELOW GS	DIAM	C	CAVG	GAMMA AVG	E50
FT	IN	LBS/IN**2	LBS/IN**2	LBS/IN**3	
8.83	19.690	5.21E+00	5.21E+00	4.14E-02	1.5000E-02

Y	P
IN	LBS/IN
0.00000	0.00000
0.00007	16.39617
0.00036	24.51799
0.00072	29.15697
0.00360	43.59984
0.00720	51.84924
0.03600	77.53270
0.07200	92.20244
0.18000	115.93843
0.36000	137.87480
0.54000	152.58355
0.72000	163.96170
1.80000	206.17092
3.60000	245.17992
7.20000	291.56971
8.10000	291.56971
9.00000	291.56971

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE BACKFILL SIDE

DEPTH BELOW GS	DIAM	C	CAVG	GAMMA AVG	E50
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FT	IN	LBS/IN**2	LBS/IN**2	LBS/IN**3	
20.36	19.690	5.21E+00	5.21E+00	5.36E-02	1.5000E-02

Y	P
IN	LBS/IN
0.00000	0.00000
0.00007	26.04143
0.00036	38.94102
0.00072	46.30894
0.00360	69.24802
0.00720	82.35023
0.03600	123.14232
0.07200	146.44172
0.18000	184.14072
0.36000	218.98145
0.54000	242.34281
0.72000	260.41430
1.80000	327.45364
3.60000	389.41020
7.20000	463.08939
8.10000	463.08939
9.00000	463.08939

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE EXCAVATION SIDE

DEPTH BELOW GS	DIAM	C	CAVG	GAMMA AVG	E50
FT	IN	LBS/IN**2	LBS/IN**2	LBS/IN**3	
9.95	19.690	5.21E+00	5.21E+00	4.22E-02	1.5000E-02

Y	P
IN	LBS/IN
0.00000	0.00000
0.00007	17.11235
0.00036	25.58894
0.00072	30.43054
0.00360	45.50428
0.00720	54.11401
0.03600	80.91932
0.07200	96.22983
0.18000	121.00261
0.36000	143.89716
0.54000	159.24839
0.72000	171.12353
1.80000	215.17644
3.60000	255.88936
7.20000	304.30545

8.10000	304.30545
9.00000	304.30545

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE BACKFILL SIDE

DEPTH BELOW GS FT	DIAM IN	C LBS/IN**2	CAVG LBS/IN**2	GAMMA AVG LBS/IN**3	E50
21.48	19.690	5.21E+00	5.21E+00	5.33E-02	1.5000E-02

Y IN	P LBS/IN
0.00000	0.00000
0.00007	26.75761
0.00036	40.01196
0.00072	47.58251
0.00360	71.15245
0.00720	84.61500
0.03600	126.52894
0.07200	150.46912
0.18000	189.20490
0.36000	225.00381
0.54000	249.00765
0.72000	267.57613
1.80000	336.45917
3.60000	400.11964
7.20000	475.82512
8.10000	475.82512
9.00000	475.82512

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE EXCAVATION SIDE

DEPTH BELOW GS FT	DIAM IN	C LBS/IN**2	CAVG LBS/IN**2	GAMMA AVG LBS/IN**3	E50
11.07	19.690	5.21E+00	5.21E+00	4.28E-02	1.5000E-02

Y IN	P LBS/IN
0.00000	0.00000
0.00007	17.82323
0.00036	26.65195
0.00072	31.69468
0.00360	47.39461

0.00720	56.36201
0.03600	84.28085
0.07200	100.22739
0.18000	126.02927
0.36000	149.87491
0.54000	165.86385
0.72000	178.23231
1.80000	224.11526
3.60000	266.51947
7.20000	316.94685
8.10000	316.94685
9.00000	316.94685

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE BACKFILL SIDE

DEPTH BELOW GS	DIAM	C	CAVG	GAMMA AVG	E50
FT	IN	LBS/IN**2	LBS/IN**2	LBS/IN**3	
22.60	19.690	5.21E+00	5.21E+00	5.31E-02	1.5000E-02

Y	P
IN	LBS/IN
0.00000	0.00000
0.00007	27.46849
0.00036	41.07497
0.00072	48.84665
0.00360	73.04278
0.00720	86.86300
0.03600	129.89047
0.07200	154.46668
0.18000	194.23156
0.36000	230.98156
0.54000	255.62312
0.72000	274.68491
1.80000	345.39799
3.60000	410.74975
7.20000	488.46652
8.10000	488.46652
9.00000	488.46652

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE EXCAVATION SIDE

DEPTH BELOW GS	DIAM	C	CAVG	GAMMA AVG	E50
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FT	IN	LBS/IN**2	LBS/IN**2	LBS/IN**3	
11.09	19.690	1.04E+01	1.04E+01	4.28E-02	1.0000E-02

Y	P
IN	LBS/IN
0.00000	0.00000
0.00005	29.36770
0.00024	43.91495
0.00048	52.22397
0.00240	78.09305
0.00480	92.86881
0.02400	138.87126
0.04800	165.14669
0.12000	207.66098
0.24000	246.95191
0.36000	273.29722
0.48000	293.67697
1.20000	369.27924
2.40000	439.14950
4.80000	522.23970
5.40000	522.23970
6.00000	522.23970

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE BACKFILL SIDE

DEPTH BELOW GS	DIAM	C	CAVG	GAMMA AVG	E50
FT	IN	LBS/IN**2	LBS/IN**2	LBS/IN**3	
22.62	19.690	1.04E+01	1.04E+01	5.31E-02	1.0000E-02

Y	P
IN	LBS/IN
0.00000	0.00000
0.00005	39.01296
0.00024	58.33798
0.00048	69.37594
0.00240	103.74123
0.00480	123.36980
0.02400	184.48088
0.04800	219.38598
0.12000	275.86327
0.24000	328.05856
0.36000	363.05648
0.48000	390.12957
1.20000	490.56196
2.40000	583.37978
4.80000	693.75938

5.40000	693.75938
6.00000	693.75938

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE EXCAVATION SIDE

DEPTH BELOW GS FT	DIAM IN	C LBS/IN**2	CAVG LBS/IN**2	GAMMA AVG LBS/IN**3	E50
13.58	19.690	1.04E+01	1.04E+01	4.37E-02	1.0000E-02

Y IN	P LBS/IN
0.00000	0.00000
0.00005	30.95391
0.00024	46.28689
0.00048	55.04470
0.00240	82.31103
0.00480	97.88486
0.02400	146.37200
0.04800	174.06663
0.12000	218.87720
0.24000	260.29032
0.36000	288.05859
0.48000	309.53910
1.20000	389.22481
2.40000	462.86891
4.80000	550.44701
5.40000	550.44701
6.00000	550.44701

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE BACKFILL SIDE

DEPTH BELOW GS FT	DIAM IN	C LBS/IN**2	CAVG LBS/IN**2	GAMMA AVG LBS/IN**3	E50
25.11	19.690	1.04E+01	1.04E+01	5.25E-02	1.0000E-02

Y IN	P LBS/IN
0.00000	0.00000
0.00005	40.59917
0.00024	60.70992
0.00048	72.19667
0.00240	107.95920

0.00480	128.38585
0.02400	191.98162
0.04800	228.30591
0.12000	287.07949
0.24000	341.39697
0.36000	377.81785
0.48000	405.99170
1.20000	510.50754
2.40000	607.09920
4.80000	721.96668
5.40000	721.96668
6.00000	721.96668

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE EXCAVATION SIDE

DEPTH BELOW GS	DIAM	C	CAVG	GAMMA AVG	E50
FT	IN	LBS/IN**2	LBS/IN**2	LBS/IN**3	
16.08	19.690	1.04E+01	1.04E+01	4.44E-02	1.0000E-02

Y	P
IN	LBS/IN
0.00000	0.00000
0.00005	32.54543
0.00024	48.66677
0.00048	57.87486
0.00240	86.54311
0.00480	102.91768
0.02400	153.89783
0.04800	183.01639
0.12000	230.13093
0.24000	273.67334
0.36000	302.86934
0.48000	325.45428
1.20000	409.23709
2.40000	486.66766
4.80000	578.74865
5.40000	578.74865
6.00000	578.74865

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE BACKFILL SIDE

DEPTH BELOW GS	DIAM	C	CAVG	GAMMA AVG	E50
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FT	IN	LBS/IN**2	LBS/IN**2	LBS/IN**3	
27.61	19.690	1.04E+01	1.04E+01	5.21E-02	1.0000E-02

Y	P
IN	LBS/IN
0.00000	0.00000
0.00005	42.19069
0.00024	63.08979
0.00048	75.02683
0.00240	112.19128
0.00480	133.41867
0.02400	199.50745
0.04800	237.25568
0.12000	298.33322
0.24000	354.77999
0.36000	392.62860
0.48000	421.90689
1.20000	530.51982
2.40000	630.89795
4.80000	750.26833
5.40000	750.26833
6.00000	750.26833

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE EXCAVATION SIDE

DEPTH BELOW GS	DIAM	C	CAVG	GAMMA AVG	E50
FT	IN	LBS/IN**2	LBS/IN**2	LBS/IN**3	
18.58	19.690	1.04E+01	1.04E+01	4.48E-02	1.0000E-02

Y	P
IN	LBS/IN
0.00000	0.00000
0.00005	34.13695
0.00024	51.04664
0.00048	60.70503
0.00240	90.77519
0.00480	107.95050
0.02400	161.42365
0.04800	191.96616
0.12000	241.38466
0.24000	287.05636
0.36000	317.68008
0.48000	341.36947
1.20000	429.24938
2.40000	510.46641
4.80000	607.05029

5.40000	607.05029
6.00000	607.05029

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE BACKFILL SIDE

DEPTH BELOW GS	DIAM	C	CAVG	GAMMA AVG	E50
FT	IN	LBS/IN**2	LBS/IN**2	LBS/IN**3	
30.11	19.690	1.04E+01	1.04E+01	5.18E-02	1.0000E-02

Y	P
IN	LBS/IN
0.00000	0.00000
0.00005	43.78221
0.00024	65.46967
0.00048	77.85700
0.00240	116.42337
0.00480	138.45150
0.02400	207.03327
0.04800	246.20544
0.12000	309.58695
0.24000	368.16301
0.36000	407.43935
0.48000	437.82207
1.20000	550.53210
2.40000	654.69669
4.80000	778.56997
5.40000	778.56997
6.00000	778.56997

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE EXCAVATION SIDE

DEPTH BELOW GS	DIAM	C	CAVG	GAMMA AVG	E50
FT	IN	LBS/IN**2	LBS/IN**2	LBS/IN**3	
21.07	19.690	1.04E+01	1.04E+01	4.52E-02	1.0000E-02

Y	P
IN	LBS/IN
0.00000	0.00000
0.00005	35.72316
0.00024	53.41858
0.00048	63.52576
0.00240	94.99317

0.00480	112.96655
0.02400	168.92439
0.04800	200.88609
0.12000	252.60088
0.24000	300.39477
0.36000	332.44146
0.48000	357.23160
1.20000	449.19495
2.40000	534.18583
4.80000	635.25759
5.40000	635.25759
6.00000	635.25759

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE BACKFILL SIDE

DEPTH BELOW GS	DIAM	C	CAVG	GAMMA AVG	E50
FT	IN	LBS/IN**2	LBS/IN**2	LBS/IN**3	
32.60	19.690	1.04E+01	1.04E+01	5.15E-02	1.0000E-02

Y	P
IN	LBS/IN
0.00000	0.00000
0.00005	45.36842
0.00024	67.84161
0.00048	80.67773
0.00240	120.64134
0.00480	143.46754
0.02400	214.53401
0.04800	255.12537
0.12000	320.80317
0.24000	381.50142
0.36000	422.20072
0.48000	453.68420
1.20000	570.47768
2.40000	678.41611
4.80000	806.77727
5.40000	806.77727
6.00000	806.77727

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE EXCAVATION SIDE

DEPTH BELOW GS	DIAM	C	CAVG	GAMMA AVG	E50
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FT	IN	LBS/IN**2	LBS/IN**2	LBS/IN**3	
21.09	19.690	3.12E+01	3.12E+01	4.52E-02	4.0000E-03

Y	P
IN	LBS/IN
0.00000	0.00000
0.00002	81.86919
0.00010	122.42299
0.00019	145.58629
0.00096	217.70229
0.00192	258.89311
0.00960	387.13549
0.01920	460.38428
0.04800	578.90259
0.09600	688.43507
0.14400	761.87865
0.19200	818.69189
0.48000	1029.45054
0.96000	1224.22991
1.92000	1455.86292
2.16000	1455.86292
2.40000	1455.86292

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE BACKFILL SIDE

DEPTH BELOW GS	DIAM	C	CAVG	GAMMA AVG	E50
FT	IN	LBS/IN**2	LBS/IN**2	LBS/IN**3	
32.62	19.690	3.12E+01	3.12E+01	5.15E-02	4.0000E-03

Y	P
IN	LBS/IN
0.00000	0.00000
0.00002	91.51445
0.00010	136.84602
0.00019	162.73826
0.00096	243.35046
0.00192	289.39410
0.00960	432.74511
0.01920	514.62356
0.04800	647.10488
0.09600	769.54172
0.14400	851.63792
0.19200	915.14449
0.48000	1150.73327
0.96000	1368.46020
1.92000	1627.38260

2.16000	1627.38260
2.40000	1627.38260

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE EXCAVATION SIDE

DEPTH BELOW GS FT	DIAM IN	C LBS/IN**2	CAVG LBS/IN**2	GAMMA AVG LBS/IN**3	E50
22.62	19.690	3.12E+01	3.12E+01	4.54E-02	4.0000E-03

Y IN	P LBS/IN
0.00000	0.00000
0.00002	82.84267
0.00010	123.87868
0.00019	147.31741
0.00096	220.29091
0.00192	261.97152
0.00960	391.73878
0.01920	465.85855
0.04800	585.78612
0.09600	696.62102
0.14400	770.93789
0.19200	828.42667
0.48000	1041.69139
0.96000	1238.78681
1.92000	1473.17409
2.16000	1473.17409
2.40000	1473.17409

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE BACKFILL SIDE

DEPTH BELOW GS FT	DIAM IN	C LBS/IN**2	CAVG LBS/IN**2	GAMMA AVG LBS/IN**3	E50
34.15	19.690	3.12E+01	3.12E+01	5.13E-02	4.0000E-03

Y IN	P LBS/IN
0.00000	0.00000
0.00002	92.48793
0.00010	138.30171
0.00019	164.46938
0.00096	245.93909

0.00192	292.47251
0.00960	437.34840
0.01920	520.09783
0.04800	653.98841
0.09600	777.72767
0.14400	860.69716
0.19200	924.87928
0.48000	1162.97412
0.96000	1383.01710
1.92000	1644.69377
2.16000	1644.69377
2.40000	1644.69377

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE EXCAVATION SIDE

DEPTH BELOW GS FT	DIAM IN	C LBS/IN**2	CAVG LBS/IN**2	GAMMA AVG LBS/IN**3	E50
24.15	19.690	3.12E+01	3.12E+01	4.55E-02	4.0000E-03

Y IN	P LBS/IN
0.00000	0.00000
0.00002	83.82145
0.00010	125.34230
0.00019	149.05796
0.00096	222.89364
0.00192	265.06670
0.00960	396.36717
0.01920	471.36266
0.04800	592.70717
0.09600	704.85158
0.14400	780.04650
0.19200	838.21451
0.48000	1053.99894
0.96000	1253.42304
1.92000	1490.57960
2.16000	1490.57960
2.40000	1490.57960

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE BACKFILL SIDE

DEPTH BELOW GS	DIAM	C	CAVG	GAMMA AVG	E50
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FT	IN	LBS/IN**2	LBS/IN**2	LBS/IN**3
35.68	19.690	3.12E+01	3.12E+01	5.12E-02 4.0000E-03

Y	P
IN	LBS/IN
0.00000	0.00000
0.00002	93.46671
0.00010	139.76533
0.00019	166.20993
0.00096	248.54182
0.00192	295.56770
0.00960	441.97679
0.01920	525.60194
0.04800	660.90946
0.09600	785.95823
0.14400	869.80576
0.19200	934.66712
0.48000	1175.28167
0.96000	1397.65333
1.92000	1662.09928
2.16000	1662.09928
2.40000	1662.09928

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE EXCAVATION SIDE

DEPTH BELOW GS	DIAM	C	CAVG	GAMMA AVG	E50
FT	IN	LBS/IN**2	LBS/IN**2	LBS/IN**3	
25.69	19.690	3.12E+01	3.12E+01	4.57E-02	4.0000E-03

Y	P
IN	LBS/IN
0.00000	0.00000
0.00002	84.80023
0.00010	126.80593
0.00019	150.79851
0.00096	225.49637
0.00192	268.16189
0.00960	400.99555
0.01920	476.86676
0.04800	599.62821
0.09600	713.08214
0.14400	789.15511
0.19200	848.00235
0.48000	1066.30650
0.96000	1268.05927
1.92000	1507.98511

2.16000	1507.98511
2.40000	1507.98511

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE BACKFILL SIDE

DEPTH BELOW GS	DIAM	C	CAVG	GAMMA AVG	E50
FT	IN	LBS/IN**2	LBS/IN**2	LBS/IN**3	
37.22	19.690	3.12E+01	3.12E+01	5.10E-02	4.0000E-03

Y	P
IN	LBS/IN
0.00000	0.00000
0.00002	94.44549
0.00010	141.22895
0.00019	167.95048
0.00096	251.14455
0.00192	298.66288
0.00960	446.60517
0.01920	531.10604
0.04800	667.83050
0.09600	794.18878
0.14400	878.91437
0.19200	944.45495
0.48000	1187.58923
0.96000	1412.28956
1.92000	1679.50479
2.16000	1679.50479
2.40000	1679.50479

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE EXCAVATION SIDE

DEPTH BELOW GS	DIAM	C	CAVG	GAMMA AVG	E50
FT	IN	LBS/IN**2	LBS/IN**2	LBS/IN**3	
27.22	19.690	3.12E+01	3.12E+01	4.58E-02	4.0000E-03

Y	P
IN	LBS/IN
0.00000	0.00000
0.00002	85.77371
0.00010	128.26162
0.00019	152.52963
0.00096	228.08500

0.00192	271.24030
0.00960	405.59885
0.01920	482.34103
0.04800	606.51175
0.09600	721.26808
0.14400	798.21435
0.19200	857.73714
0.48000	1078.54734
0.96000	1282.61618
1.92000	1525.29628
2.16000	1525.29628
2.40000	1525.29628

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

AT THE BACKFILL SIDE

DEPTH BELOW GS FT	DIAM IN	C LBS/IN**2	CAVG LBS/IN**2	GAMMA AVG LBS/IN**3	E50
38.75	19.690	3.12E+01	3.12E+01	5.09E-02	4.0000E-03

Y IN	P LBS/IN
0.00000	0.00000
0.00002	95.41897
0.00010	142.68464
0.00019	169.68159
0.00096	253.73317
0.00192	301.74129
0.00960	451.20847
0.01920	536.58032
0.04800	674.71404
0.09600	802.37473
0.14400	887.97361
0.19200	954.18974
0.48000	1199.83007
0.96000	1426.84646
1.92000	1696.81596
2.16000	1696.81596
2.40000	1696.81596

P-Multiplier = 1.000E+00 Y-Multiplier = 1.000E+00

New Wall

RESULTS

NUMBER OF ITERATIONS : 9

***** ANALYSIS COMPLETED *****

STA I	X	DEFL.	SLOPE	MOMENT	SHEAR	SOIL_REACT
NET_FORCE/STA	EI					
LBS	FT	IN	RAD	LBS-IN	LBS	LBS/IN
LBS-IN**2						
0	0.000E+00	1.520E+00	-6.321E-03	0.000E+00	0.000E+00	0.000E+00
0.000E+00	2.336E+10					
1	3.800E-01	1.491E+00	-6.321E-03	0.000E+00	6.195E+00	0.000E+00
1.239E+01	2.336E+10					
2	7.600E-01	1.463E+00	-6.321E-03	5.650E+01	2.478E+01	0.000E+00
2.478E+01	2.336E+10					
3	1.140E+00	1.434E+00	-6.321E-03	2.260E+02	5.576E+01	0.000E+00
3.717E+01	2.336E+10					
4	1.520E+00	1.405E+00	-6.320E-03	5.650E+02	9.912E+01	0.000E+00
4.956E+01	2.336E+10					
5	1.900E+00	1.376E+00	-6.320E-03	1.130E+03	1.549E+02	0.000E+00
6.195E+01	2.336E+10					
6	2.280E+00	1.347E+00	-6.320E-03	1.978E+03	2.230E+02	0.000E+00
7.434E+01	2.336E+10					
7	2.660E+00	1.319E+00	-6.319E-03	3.164E+03	3.036E+02	0.000E+00
8.673E+01	2.336E+10					
8	3.040E+00	1.290E+00	-6.319E-03	4.746E+03	3.965E+02	0.000E+00
9.912E+01	2.336E+10					
9	3.420E+00	1.261E+00	-6.318E-03	6.780E+03	5.018E+02	0.000E+00
1.115E+02	2.336E+10					
10	3.800E+00	1.232E+00	-6.316E-03	9.323E+03	6.195E+02	0.000E+00
1.239E+02	2.336E+10					
11	4.180E+00	1.203E+00	-6.314E-03	1.243E+04	7.496E+02	0.000E+00
1.363E+02	2.336E+10					
12	4.560E+00	1.175E+00	-6.311E-03	1.616E+04	8.921E+02	0.000E+00
1.487E+02	2.336E+10					
13	4.940E+00	1.146E+00	-6.308E-03	2.057E+04	1.047E+03	0.000E+00
1.611E+02	2.336E+10					
14	5.320E+00	1.117E+00	-6.303E-03	2.571E+04	1.214E+03	0.000E+00
1.735E+02	2.336E+10					
15	5.700E+00	1.088E+00	-6.297E-03	3.164E+04	1.394E+03	0.000E+00
1.859E+02	2.336E+10					
16	6.080E+00	1.060E+00	-6.291E-03	3.842E+04	1.586E+03	0.000E+00
1.982E+02	2.336E+10					
17	6.460E+00	1.031E+00	-6.282E-03	4.610E+04	1.790E+03	0.000E+00
2.106E+02	2.336E+10					
18	6.840E+00	1.002E+00	-6.272E-03	5.475E+04	2.007E+03	0.000E+00
2.230E+02	2.336E+10					
19	7.220E+00	9.737E-01	-6.261E-03	6.441E+04	2.236E+03	0.000E+00
2.354E+02	2.336E+10					

20	7.600E+00	9.452E-01	-6.247E-03	7.515E+04	2.478E+03	0.000E+00
2.478E+02	2.336E+10					
21	7.980E+00	9.167E-01	-6.231E-03	8.701E+04	2.737E+03	0.000E+00
2.705E+02	2.336E+10					
22	8.360E+00	8.884E-01	-6.213E-03	1.001E+05	3.019E+03	0.000E+00
2.936E+02	2.336E+10					
23	8.740E+00	8.601E-01	-6.192E-03	1.145E+05	3.324E+03	0.000E+00
3.166E+02	2.336E+10					
24	9.120E+00	8.319E-01	-6.168E-03	1.304E+05	3.652E+03	0.000E+00
3.396E+02	2.336E+10					
25	9.500E+00	8.038E-01	-6.141E-03	1.479E+05	4.004E+03	0.000E+00
3.626E+02	2.336E+10					
26	9.880E+00	7.759E-01	-6.110E-03	1.669E+05	4.378E+03	0.000E+00
3.856E+02	2.336E+10					
27	1.026E+01	7.481E-01	-6.076E-03	1.878E+05	4.775E+03	0.000E+00
4.086E+02	2.336E+10					
28	1.064E+01	7.205E-01	-6.037E-03	2.105E+05	5.195E+03	0.000E+00
4.315E+02	2.336E+10					
29	1.102E+01	6.930E-01	-5.993E-03	2.352E+05	5.637E+03	0.000E+00
4.530E+02	2.336E+10					
30	1.140E+01	6.658E-01	-5.945E-03	2.619E+05	6.100E+03	-5.023E-01
4.722E+02	2.336E+10					
31	1.178E+01	6.388E-01	-5.891E-03	2.908E+05	6.501E+03	-2.293E+01
3.298E+02	2.336E+10					
32	1.216E+01	6.121E-01	-5.831E-03	3.212E+05	6.781E+03	-4.487E+01
2.298E+02	2.336E+10					
33	1.254E+01	5.856E-01	-5.765E-03	3.526E+05	6.960E+03	-6.681E+01
1.298E+02	2.336E+10					
34	1.292E+01	5.595E-01	-5.693E-03	3.847E+05	7.040E+03	-8.875E+01
2.972E+01	2.336E+10					
35	1.330E+01	5.337E-01	-5.615E-03	4.168E+05	7.020E+03	-1.107E+02
-7.037E+01	2.336E+10					
36	1.368E+01	5.083E-01	-5.531E-03	4.487E+05	6.936E+03	-1.165E+02
-9.659E+01	2.336E+10					
37	1.406E+01	4.833E-01	-5.440E-03	4.801E+05	6.827E+03	-1.222E+02
-1.228E+02	2.336E+10					
38	1.444E+01	4.587E-01	-5.343E-03	5.109E+05	6.691E+03	-1.279E+02
-1.490E+02	2.336E+10					
39	1.482E+01	4.345E-01	-5.241E-03	5.411E+05	6.535E+03	-1.308E+02
-1.620E+02	2.336E+10					
40	1.520E+01	4.109E-01	-5.132E-03	5.705E+05	6.363E+03	-1.354E+02
-1.832E+02	2.336E+10					
41	1.558E+01	3.877E-01	-5.018E-03	5.991E+05	6.172E+03	-1.389E+02
-1.989E+02	2.336E+10					
42	1.596E+01	3.651E-01	-4.898E-03	6.268E+05	5.968E+03	-1.411E+02
-2.092E+02	2.336E+10					
43	1.634E+01	3.431E-01	-4.773E-03	6.536E+05	5.756E+03	-1.423E+02
-2.144E+02	2.336E+10					
44	1.672E+01	3.216E-01	-4.643E-03	6.793E+05	5.536E+03	-1.447E+02
-2.256E+02	2.336E+10					

45	1.710E+01	3.007E-01	-4.508E-03	7.040E+05	5.306E+03	-1.466E+02
-2.339E+02	2.336E+10					
46	1.748E+01	2.805E-01	-4.368E-03	7.277E+05	5.069E+03	-1.478E+02
-2.394E+02	2.336E+10					
47	1.786E+01	2.609E-01	-4.224E-03	7.503E+05	4.829E+03	-1.484E+02
-2.423E+02	2.336E+10					
48	1.824E+01	2.420E-01	-4.075E-03	7.717E+05	4.369E+03	-1.485E+02
-6.773E+02	2.336E+10					
49	1.862E+01	2.237E-01	-3.923E-03	7.901E+05	3.727E+03	-1.328E+02
-6.056E+02	2.336E+10					
50	1.900E+01	2.062E-01	-3.767E-03	8.057E+05	3.149E+03	-1.207E+02
-5.504E+02	2.336E+10					
51	1.938E+01	1.894E-01	-3.609E-03	8.188E+05	2.619E+03	-1.120E+02
-5.107E+02	2.336E+10					
52	1.976E+01	1.733E-01	-3.448E-03	8.296E+05	2.110E+03	-1.111E+02
-5.067E+02	2.336E+10					
53	2.014E+01	1.579E-01	-3.285E-03	8.381E+05	1.607E+03	-1.095E+02
-4.991E+02	2.336E+10					
54	2.052E+01	1.433E-01	-3.121E-03	8.443E+05	1.112E+03	-1.078E+02
-4.918E+02	2.336E+10					
55	2.090E+01	1.294E-01	-2.955E-03	8.482E+05	6.234E+02	-1.063E+02
-4.849E+02	2.336E+10					
56	2.128E+01	1.164E-01	-2.790E-03	8.500E+05	1.417E+02	-1.049E+02
-4.784E+02	2.336E+10					
57	2.166E+01	1.040E-01	-2.624E-03	8.495E+05	-3.336E+02	-1.036E+02
-4.723E+02	2.336E+10					
58	2.204E+01	9.242E-02	-2.458E-03	8.469E+05	-8.046E+02	-1.030E+02
-4.697E+02	2.336E+10					
59	2.242E+01	8.159E-02	-2.293E-03	8.422E+05	-1.273E+03	-1.025E+02
-4.674E+02	2.336E+10					
60	2.280E+01	7.151E-02	-2.130E-03	8.353E+05	-1.915E+03	-1.790E+02
-8.163E+02	2.336E+10					
61	2.318E+01	6.217E-02	-1.967E-03	8.247E+05	-2.722E+03	-1.751E+02
-7.983E+02	2.336E+10					
62	2.356E+01	5.356E-02	-1.808E-03	8.105E+05	-3.512E+03	-1.714E+02
-7.818E+02	2.336E+10					
63	2.394E+01	4.568E-02	-1.651E-03	7.927E+05	-4.284E+03	-1.670E+02
-7.615E+02	2.336E+10					
64	2.432E+01	3.850E-02	-1.499E-03	7.714E+05	-5.030E+03	-1.603E+02
-7.311E+02	2.336E+10					
65	2.470E+01	3.201E-02	-1.350E-03	7.468E+05	-5.748E+03	-1.543E+02
-7.037E+02	2.336E+10					
66	2.508E+01	2.619E-02	-1.207E-03	7.190E+05	-6.439E+03	-1.489E+02
-6.791E+02	2.336E+10					
67	2.546E+01	2.100E-02	-1.070E-03	6.881E+05	-7.097E+03	-1.398E+02
-6.377E+02	2.336E+10					
68	2.584E+01	1.643E-02	-9.390E-04	6.543E+05	-7.711E+03	-1.291E+02
-5.888E+02	2.336E+10					
69	2.622E+01	1.244E-02	-8.148E-04	6.178E+05	-8.278E+03	-1.198E+02
-5.461E+02	2.336E+10					

70	2.660E+01	8.997E-03	-6.980E-04	5.788E+05	-8.806E+03	-1.117E+02
-5.092E+02	2.336E+10					
71	2.698E+01	6.071E-03	-5.891E-04	5.375E+05	-9.299E+03	-1.048E+02
-4.779E+02	2.336E+10					
72	2.736E+01	3.625E-03	-4.884E-04	4.940E+05	-9.753E+03	-9.423E+01
-4.297E+02	2.336E+10					
73	2.774E+01	1.617E-03	-3.964E-04	4.485E+05	-1.014E+04	-7.486E+01
-3.413E+02	2.336E+10					
74	2.812E+01	9.684E-06	-3.134E-04	4.015E+05	-1.032E+04	-6.621E+00
-3.019E+01	2.336E+10					
75	2.850E+01	-1.241E-03	-2.396E-04	3.544E+05	-1.013E+04	9.088E+01
4.144E+02	2.336E+10					
76	2.888E+01	-2.176E-03	-1.748E-04	3.091E+05	-9.674E+03	1.099E+02
5.010E+02	2.336E+10					
77	2.926E+01	-2.835E-03	-1.187E-04	2.661E+05	-9.153E+03	1.190E+02
5.424E+02	2.336E+10					
78	2.964E+01	-3.258E-03	-7.069E-05	2.256E+05	-8.600E+03	1.235E+02
5.634E+02	2.336E+10					
79	3.002E+01	-3.480E-03	-3.034E-05	1.877E+05	-8.030E+03	1.263E+02
5.761E+02	2.336E+10					
80	3.040E+01	-3.535E-03	2.860E-06	1.524E+05	-7.451E+03	1.275E+02
5.814E+02	2.336E+10					
81	3.078E+01	-3.454E-03	2.943E-05	1.197E+05	-6.870E+03	1.274E+02
5.810E+02	2.336E+10					
82	3.116E+01	-3.266E-03	4.987E-05	8.974E+04	-6.292E+03	1.263E+02
5.759E+02	2.336E+10					
83	3.154E+01	-2.999E-03	6.472E-05	6.236E+04	-5.720E+03	1.244E+02
5.674E+02	2.336E+10					
84	3.192E+01	-2.676E-03	7.448E-05	3.757E+04	-5.158E+03	1.220E+02
5.564E+02	2.336E+10					
85	3.230E+01	-2.320E-03	7.964E-05	1.532E+04	-4.610E+03	1.183E+02
5.396E+02	2.336E+10					
86	3.268E+01	-1.950E-03	8.070E-05	-4.470E+03	-4.087E+03	1.112E+02
5.072E+02	2.336E+10					
87	3.306E+01	-1.584E-03	7.812E-05	-2.195E+04	-3.498E+03	1.468E+02
6.693E+02	2.336E+10					
88	3.344E+01	-1.237E-03	7.243E-05	-3.638E+04	-2.758E+03	1.779E+02
8.112E+02	2.336E+10					
89	3.382E+01	-9.232E-04	6.428E-05	-4.710E+04	-1.888E+03	2.040E+02
9.301E+02	2.336E+10					
90	3.420E+01	-6.510E-04	5.445E-05	-5.359E+04	-9.365E+02	2.132E+02
9.720E+02	2.336E+10					
91	3.458E+01	-4.266E-04	4.379E-05	-5.564E+04	-1.759E+01	1.899E+02
8.658E+02	2.336E+10					
92	3.496E+01	-2.517E-04	3.311E-05	-5.375E+04	8.068E+02	1.717E+02
7.830E+02	2.336E+10					
93	3.534E+01	-1.247E-04	2.315E-05	-4.829E+04	1.534E+03	1.473E+02
6.717E+02	2.336E+10					
94	3.572E+01	-4.061E-05	1.455E-05	-3.976E+04	2.113E+03	1.064E+02
4.851E+02	2.336E+10					

95	3.610E+01	8.058E-06	7.839E-06	-2.902E+04	2.275E+03	-3.528E+01
-1.609E+02	2.336E+10					
96	3.648E+01	3.089E-05	3.150E-06	-1.901E+04	1.987E+03	-9.066E+01
-4.134E+02	2.336E+10					
97	3.686E+01	3.679E-05	2.306E-07	-1.089E+04	1.566E+03	-9.414E+01
-4.293E+02	2.336E+10					
98	3.724E+01	3.299E-05	-1.295E-06	-4.731E+03	1.036E+03	-1.385E+02
-6.316E+02	2.336E+10					
99	3.762E+01	2.498E-05	-1.898E-06	-1.448E+03	5.187E+02	-8.821E+01
-4.023E+02	2.336E+10					
100	3.800E+01	1.568E-05	-2.039E-06	-9.514E-13	1.588E+02	-6.965E+01
-3.176E+02	2.336E+10					

END OF ANALYSIS