
PYWALL Version 2025.8.1

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Flexible Retaining Walls
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Path to file locations	C:\Ensoft\Pywall2025-Examples\
Name of input data file	Example 1b - Sheet Pile in Sand - Final PZ22.py8i
Name of output file	Example 1b - Sheet Pile in Sand - Final PZ22.py8o
Name of plot output file	Example 1b - Sheet Pile in Sand - Final PZ22.py8p

Example 1b - Sheet Pile in Sand - Final Model

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
TOTAL WALL LENGTH	27.500 FT
NUMBER OF INCREMENTS	110
INCREMENT LENGTH	3.000 IN
MAXIMUM ALLOWABLE DEFLECTION	100.000 IN
DEFLECTION CLOSURE TOLERANCE	1.000E-05 IN
MAXIMUM NUMBER OF ITERATIONS	100

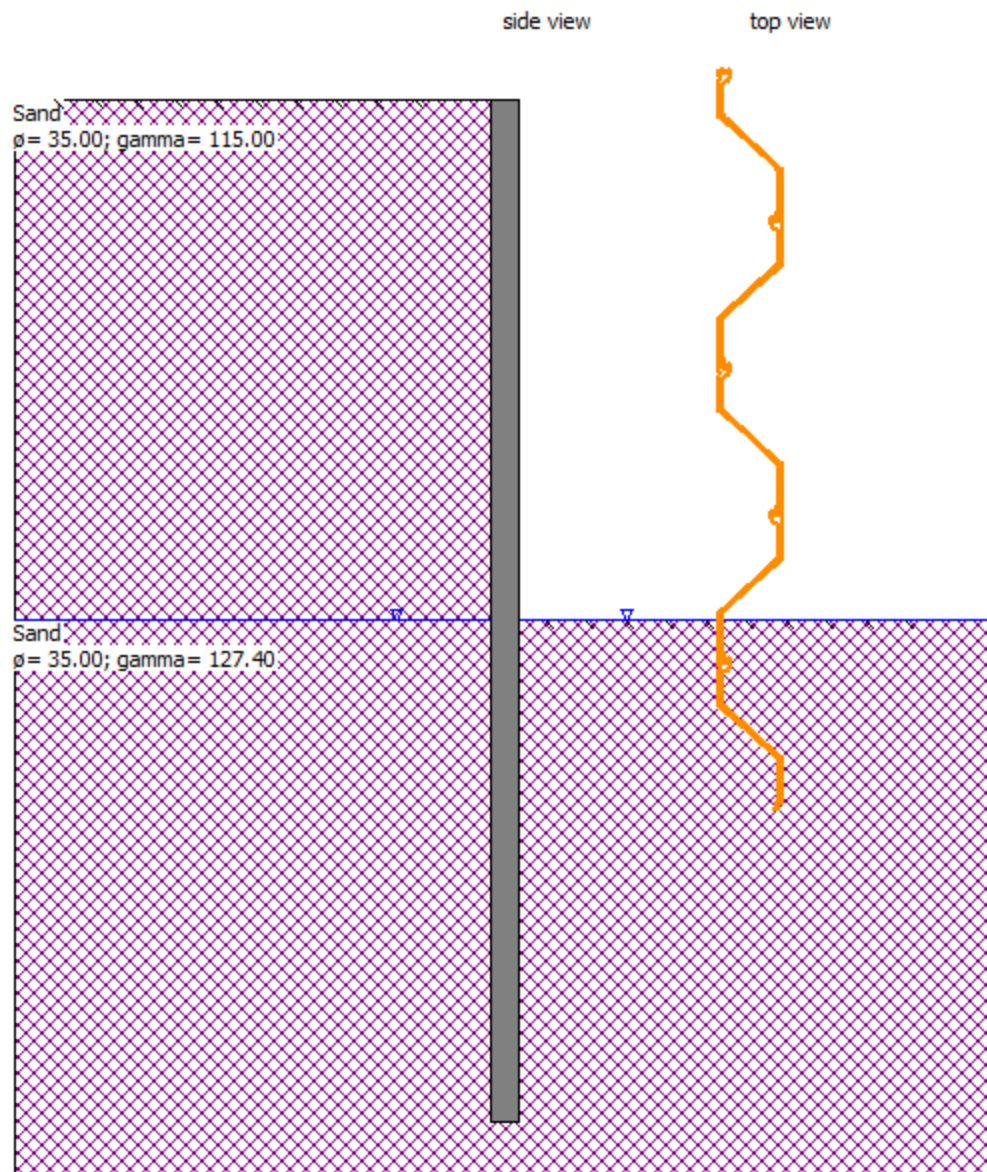


Figure 1 - Wall Layout

Section Properties

Table 1 - Wall Sections

SECT	TOP FT	BOTTOM FT	SECTION
1	0.00000	27.5000	1

Table 2 - Cross Sections

CROSS SECTION	1
SECTION NAME	PZ-22
TYPE	ELASTIC
CROSS SECTION TYPE	SHEET PILING
SOURCE	USS
SECTION NAME	PZ
WIDTH	22.0000 IN
DEPTH	9.50000 IN
WEB THICKNESS	0.37500 IN
YOUNG MODULUS	2.90000E+07 LBS/IN**2

Table 3 - Elastic Sections

SECT	DIAM,IN	I,IN**4
1	22.0000	167.000

Stiffness and Load Data

Table 4 - Stiffness and load data

FROM	TO	CONTD	EI LBS- IN**2	Q LBS	S LBS/IN	T IN-LBS	R IN-LBS	P LBS
0		1	4.843E+09	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	110	0	4.843E+09	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

EI: Flexural Rigidity, Q: Transverse Load, S: Stiffness of Transverse Resistance, T: Torque, P: Axial Load, R: Stiffness of Torsional Resistance

Wall Information

FREE HEIGHT OF WALL	1.400E+01 FT
WIDTH FOR EARTH PRESSURE, WA	2.200E+01 IN
WIDTH FOR SOIL RESISTANCE, WP	2.200E+01 IN
DEPTH TO THE WATER TABLE AT BACKFILL	1.400E+01 FT
DEPTH TO THE WATER TABLE AT EXCAVATION	1.400E+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
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CONTINUOUS WALL MODEL, WA/WP = 1.00

Surcharge Information

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

LAYER NO.	TOTAL THICKNESS FT	COHESION/ STRENGTH PSI	PHI DEG	TOTAL UNIT WEIGHT PCI	DRAINED T OR F	ZTOP FT
1	14.0	0.0	35.0	0.067	T	0.00
2	16.0	0.0	35.0	0.074	T	14.00

Effective Overburden Stress

DEPTH FT	STRESS LBS/IN**2
0.000E+00	0.000E+00
1.400E+01	1.118E+01

Active and Passive Earth Pressure Coefficients

LAYER NO.	ACTIVE EARTH COEFFICIENT	PASSIVE EARTH(*) COEFFICIENT	OPTIONAL EARTH(**) COEFFICIENT
1	2.710E-01	3.690E+00	0.000E+00
2	2.710E-01	3.690E+00	0.000E+00

(*) 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	7.00	254.50	9.33	0.00	-0.00	0.00

Table 5 - Generated Earth Pressure

DEPTH FT	ACTIVE EARTH PRESSURE LBS/IN
0.00000E+00	0.00000E+00
5.00000E-01	2.38062E+00

1.00000E+00	4.76124E+00
1.50000E+00	7.14164E+00
2.00000E+00	9.52226E+00
2.50000E+00	1.19029E+01
3.00000E+00	1.42835E+01
3.50000E+00	1.66639E+01
4.00000E+00	1.90445E+01
4.50000E+00	2.14251E+01
5.00000E+00	2.38062E+01
5.50000E+00	2.61866E+01
6.00000E+00	2.85670E+01
6.50000E+00	3.09474E+01
7.00000E+00	3.33278E+01
7.50000E+00	3.57082E+01
8.00000E+00	3.80886E+01
8.50000E+00	4.04690E+01
9.00000E+00	4.28494E+01
9.50000E+00	4.52298E+01
1.00000E+01	4.76124E+01
1.05000E+01	4.99928E+01
1.10000E+01	5.23732E+01
1.15000E+01	5.47536E+01
1.20000E+01	5.71340E+01
1.25000E+01	5.95144E+01
1.30000E+01	6.18948E+01
1.35000E+01	6.42752E+01
1.40000E+01	6.66556E+01
1.45000E+01	6.66556E+01
1.50000E+01	6.66556E+01
1.55000E+01	6.66556E+01
1.60000E+01	6.66556E+01
1.65000E+01	6.66556E+01
1.70000E+01	6.66556E+01
1.75000E+01	6.66556E+01
1.80000E+01	6.66556E+01
1.85000E+01	6.66556E+01
1.90000E+01	6.66556E+01
1.95000E+01	6.66556E+01
2.00000E+01	6.66556E+01
2.05000E+01	6.66556E+01
2.10000E+01	6.66556E+01
2.15000E+01	6.66556E+01

2.20000E+01	6.66556E+01
2.25000E+01	6.66556E+01
2.30000E+01	6.66556E+01
2.35000E+01	6.66556E+01
2.40000E+01	6.66556E+01
2.45000E+01	6.66556E+01
2.50000E+01	6.66556E+01
2.55000E+01	6.66556E+01
2.60000E+01	6.66556E+01
2.65000E+01	6.66556E+01
2.70000E+01	6.66556E+01
2.75000E+01	6.66556E+01

* GENERATED TRIANGULAR-DISTRIBUTION EARTH PRESSURE

Soil Layers and Strength Data

P-y Curves Data

AT THE EXCAVATION SIDE

CONTINUOUS WALL MODEL, WA/WP = 1.00

DEPTH BELOW GS FT	DIAM IN	RDIAM IN	PHI	GAMMA AVG LBS/IN**3	KPY LBS/IN**3	A	B	PC LB /IN
0.01	22.00	12.00	35.00	3.77E-02	3.00E+01	2.82	2.13	6.11E-01

Y IN	P LBS/IN
0.000	0.000
0.013	0.038
0.026	0.077
0.049	0.146
0.072	0.215
0.095	0.284
0.118	0.353
0.141	0.422
0.164	0.491
0.186	0.559
0.209	0.628
0.232	0.697
0.255	0.766
0.362	1.086
0.468	1.405

0.575	1.724
0.690	1.724

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

AT THE BACKFILL SIDE

CONTINUOUS WALL MODEL, WA/WP = 1.00

DEPTH BELOW GS FT	DIAM IN	RDIAM IN	PHI	GAMMA AVG LBS/IN**3	KPY LBS/IN**3	A	B	PC LB /IN
14.01	22.00	12.00	35.00	6.65E-02	3.00E+01	0.88	0.50	1.81E+03

Y IN	P LBS/IN
0.000	0.000
0.010	50.430
0.020	100.860
0.038	191.634
0.056	282.408
0.074	373.182
0.092	463.956
0.110	554.730
0.128	645.504
0.146	736.278
0.164	802.208
0.182	854.644
0.200	905.083
0.283	1134.370
0.367	1363.658
0.450	1592.945
0.540	1592.945

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

AT THE EXCAVATION SIDE

CONTINUOUS WALL MODEL, WA/WP = 1.00

DEPTH BELOW GS FT	DIAM IN	RDIAM IN	PHI	GAMMA AVG LBS/IN**3	KPY LBS/IN**3	A	B	PC LB /IN
3.50	22.00	12.00	35.00	3.77E-02	3.00E+01	0.98	0.62	2.56E+02

Y IN	P LBS/IN
0.000	0.000
0.010	12.600
0.020	25.200
0.038	47.880
0.056	70.560
0.074	93.240
0.092	110.852
0.110	120.446
0.128	129.231
0.146	137.376
0.164	144.999
0.182	152.186
0.200	159.001
0.283	189.775
0.367	220.550
0.450	251.324
0.540	251.324

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

AT THE BACKFILL SIDE

CONTINUOUS WALL MODEL, WA/WP = 1.00

DEPTH BELOW GS FT	DIAM IN	RDIAM IN	PHI	GAMMA AVG LBS/IN**3	KPY LBS/IN**3	A	B	PC LB /IN
17.50	22.00	12.00	35.00	6.08E-02	3.00E+01	0.88	0.50	2.07E+03

Y IN	P LBS/IN
0.000	0.000
0.010	63.000
0.020	126.000
0.038	239.400
0.056	352.800
0.074	466.200
0.092	579.600
0.110	693.000
0.128	787.516
0.146	853.105

0.164	915.590
0.182	975.437
0.200	1033.004
0.283	1294.698
0.367	1556.393
0.450	1818.087
0.540	1818.087

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

AT THE EXCAVATION SIDE

CONTINUOUS WALL MODEL, WA/WP = 1.00

DEPTH BELOW GS FT	DIAM IN	RDIAM IN	PHI	GAMMA AVG LBS/IN**3	KPY LBS/IN**3	A	B	PC LB /IN
7.00	22.00	12.00	35.00	3.77E-02	3.00E+01	0.88	0.50	5.13E+02

Y IN	P LBS/IN
0.000	0.000
0.018	44.965
0.036	89.930
0.052	113.216
0.069	133.743
0.085	152.408
0.101	169.701
0.118	185.924
0.134	201.281
0.151	215.916
0.167	229.938
0.184	243.429
0.200	256.453
0.283	321.421
0.367	386.390
0.450	451.358
0.540	451.358

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

AT THE BACKFILL SIDE

CONTINUOUS WALL MODEL, WA/WP = 1.00

DEPTH BELOW GS FT	DIAM IN	RDIAM IN	PHI	GAMMA AVG LBS/IN**3	KPY LBS/IN**3	A	B	PC LB /IN
21.00	22.00	12.00	35.00	5.69E-02	3.00E+01	0.88	0.50	2.32E+03

Y IN	P LBS/IN
0.000	0.000
0.010	75.600
0.020	151.200
0.038	287.280
0.056	423.360
0.074	559.440
0.092	695.520
0.110	807.345
0.128	885.270
0.146	959.000
0.164	1029.242
0.182	1096.518
0.200	1161.231
0.283	1455.409
0.367	1749.587
0.450	2043.766
0.540	2043.766

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

AT THE EXCAVATION SIDE

CONTINUOUS WALL MODEL, WA/WP = 1.00

DEPTH BELOW GS FT	DIAM IN	RDIAM IN	PHI	GAMMA AVG LBS/IN**3	KPY LBS/IN**3	A	B	PC LB /IN
10.50	22.00	12.00	35.00	3.77E-02	3.00E+01	0.88	0.50	7.69E+02

Y IN	P LBS/IN
0.000	0.000
0.018	67.447
0.036	134.895
0.052	169.825
0.069	200.615

0.085	228.612
0.101	254.551
0.118	278.886
0.134	301.921
0.151	323.874
0.167	344.907
0.184	365.143
0.200	384.680
0.283	482.132
0.367	579.584
0.450	677.037
0.540	677.037

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

AT THE BACKFILL SIDE

CONTINUOUS WALL MODEL, WA/WP = 1.00

DEPTH BELOW GS FT	DIAM IN	RDIAM IN	PHI	GAMMA AVG LBS/IN**3	KPY LBS/IN**3	A	B	PC LB /IN
24.50	22.00	12.00	35.00	5.42E-02	3.00E+01	0.88	0.50	2.58E+03

Y IN	P LBS/IN
0.000	0.000
0.010	88.200
0.020	176.400
0.038	335.160
0.056	493.920
0.074	652.680
0.092	804.199
0.110	896.494
0.128	983.025
0.146	1064.896
0.164	1142.894
0.182	1217.599
0.200	1289.457
0.283	1616.120
0.367	1942.782
0.450	2269.445
0.540	2269.445

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

AT THE EXCAVATION SIDE

CONTINUOUS WALL MODEL, WA/WP = 1.00

DEPTH BELOW GS FT	DIAM IN	RDIAM IN	PHI	GAMMA AVG LBS/IN**3	KPY LBS/IN**3	A	B	PC LB /IN
13.99	22.00	12.00	35.00	3.77E-02	3.00E+01	0.88	0.50	1.03E+03

Y IN	P LBS/IN
0.000	0.000
0.018	89.876
0.036	179.753
0.052	226.298
0.069	267.327
0.085	304.635
0.101	339.200
0.118	371.626
0.134	402.322
0.151	431.575
0.167	459.602
0.184	486.567
0.200	512.601
0.283	642.460
0.367	772.319
0.450	902.178
0.540	902.178

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

AT THE BACKFILL SIDE

CONTINUOUS WALL MODEL, WA/WP = 1.00

DEPTH BELOW GS FT	DIAM IN	RDIAM IN	PHI	GAMMA AVG LBS/IN**3	KPY LBS/IN**3	A	B	PC LB /IN
27.99	22.00	12.00	35.00	5.21E-02	3.00E+01	0.88	0.50	2.83E+03

Y IN	P LBS/IN
0.000	0.000
0.010	100.770
0.020	201.540
0.038	382.926
0.056	564.312
0.074	745.698
0.092	883.980
0.110	985.431
0.128	1080.546
0.146	1170.540
0.164	1256.275
0.182	1338.391
0.200	1417.379
0.283	1776.448
0.367	2135.517
0.450	2494.586
0.540	2494.586

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

Results

STA I	X FT	DEFL. IN	SLOPE RAD	MOMENT LBS-IN	SHEAR LBS	SOIL_REACT LBS/IN	NET_FORCE/STA LBS	EI LBS-IN**2
0	0.000E+00	3.587E+00	-1.621E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.843E+09
1	2.500E-01	3.538E+00	-1.621E-02	0.000E+00	1.785E+00	0.000E+00	3.571E+00	4.843E+09
2	5.000E-01	3.489E+00	-1.621E-02	1.071E+01	7.142E+00	0.000E+00	7.142E+00	4.843E+09
3	7.500E-01	3.441E+00	-1.621E-02	4.285E+01	1.607E+01	0.000E+00	1.071E+01	4.843E+09
4	1.000E+00	3.392E+00	-1.621E-02	1.071E+02	2.857E+01	0.000E+00	1.428E+01	4.843E+09
5	1.250E+00	3.344E+00	-1.621E-02	2.143E+02	4.464E+01	0.000E+00	1.785E+01	4.843E+09
6	1.500E+00	3.295E+00	-1.621E-02	3.749E+02	6.428E+01	0.000E+00	2.142E+01	4.843E+09
7	1.750E+00	3.246E+00	-1.621E-02	5.999E+02	8.749E+01	0.000E+00	2.500E+01	4.843E+09
8	2.000E+00	3.198E+00	-1.621E-02	8.999E+02	1.143E+02	0.000E+00	2.857E+01	4.843E+09
9	2.250E+00	3.149E+00	-1.621E-02	1.286E+03	1.446E+02	0.000E+00	3.214E+01	4.843E+09
10	2.500E+00	3.100E+00	-1.621E-02	1.768E+03	1.785E+02	0.000E+00	3.571E+01	4.843E+09
11	2.750E+00	3.052E+00	-1.621E-02	2.357E+03	2.160E+02	0.000E+00	3.928E+01	4.843E+09
12	3.000E+00	3.003E+00	-1.620E-02	3.064E+03	2.571E+02	0.000E+00	4.285E+01	4.843E+09
13	3.250E+00	2.955E+00	-1.620E-02	3.899E+03	3.017E+02	0.000E+00	4.642E+01	4.843E+09
14	3.500E+00	2.906E+00	-1.620E-02	4.874E+03	3.499E+02	0.000E+00	4.999E+01	4.843E+09
15	3.750E+00	2.857E+00	-1.620E-02	5.999E+03	4.017E+02	0.000E+00	5.356E+01	4.843E+09
16	4.000E+00	2.809E+00	-1.619E-02	7.285E+03	4.571E+02	0.000E+00	5.713E+01	4.843E+09
17	4.250E+00	2.760E+00	-1.619E-02	8.741E+03	5.160E+02	0.000E+00	6.070E+01	4.843E+09
18	4.500E+00	2.712E+00	-1.618E-02	1.038E+04	5.785E+02	0.000E+00	6.428E+01	4.843E+09
19	4.750E+00	2.663E+00	-1.617E-02	1.221E+04	6.445E+02	0.000E+00	6.785E+01	4.843E+09
20	5.000E+00	2.615E+00	-1.617E-02	1.425E+04	7.142E+02	0.000E+00	7.142E+01	4.843E+09
21	5.250E+00	2.566E+00	-1.616E-02	1.650E+04	7.874E+02	0.000E+00	7.499E+01	4.843E+09
22	5.500E+00	2.518E+00	-1.615E-02	1.897E+04	8.642E+02	0.000E+00	7.856E+01	4.843E+09
23	5.750E+00	2.469E+00	-1.613E-02	2.168E+04	9.445E+02	0.000E+00	8.213E+01	4.843E+09
24	6.000E+00	2.421E+00	-1.612E-02	2.464E+04	1.028E+03	0.000E+00	8.570E+01	4.843E+09

25	6.250E+00	2.373E+00	-1.610E-02	2.785E+04	1.116E+03	0.000E+00	8.927E+01	4.843E+09
26	6.500E+00	2.324E+00	-1.608E-02	3.133E+04	1.207E+03	0.000E+00	9.284E+01	4.843E+09
27	6.750E+00	2.276E+00	-1.606E-02	3.509E+04	1.302E+03	0.000E+00	9.641E+01	4.843E+09
28	7.000E+00	2.228E+00	-1.604E-02	3.914E+04	1.400E+03	0.000E+00	9.998E+01	4.843E+09
29	7.250E+00	2.180E+00	-1.601E-02	4.349E+04	1.502E+03	0.000E+00	1.036E+02	4.843E+09
30	7.500E+00	2.132E+00	-1.599E-02	4.815E+04	1.607E+03	0.000E+00	1.071E+02	4.843E+09
31	7.750E+00	2.084E+00	-1.595E-02	5.313E+04	1.716E+03	0.000E+00	1.107E+02	4.843E+09
32	8.000E+00	2.036E+00	-1.592E-02	5.845E+04	1.828E+03	0.000E+00	1.143E+02	4.843E+09
33	8.250E+00	1.988E+00	-1.588E-02	6.410E+04	1.944E+03	0.000E+00	1.178E+02	4.843E+09
34	8.500E+00	1.941E+00	-1.584E-02	7.011E+04	2.064E+03	0.000E+00	1.214E+02	4.843E+09
35	8.750E+00	1.893E+00	-1.580E-02	7.649E+04	2.187E+03	0.000E+00	1.250E+02	4.843E+09
36	9.000E+00	1.846E+00	-1.575E-02	8.324E+04	2.314E+03	0.000E+00	1.285E+02	4.843E+09
37	9.250E+00	1.799E+00	-1.569E-02	9.037E+04	2.444E+03	0.000E+00	1.321E+02	4.843E+09
38	9.500E+00	1.752E+00	-1.563E-02	9.790E+04	2.578E+03	0.000E+00	1.357E+02	4.843E+09
39	9.750E+00	1.705E+00	-1.557E-02	1.058E+05	2.716E+03	0.000E+00	1.393E+02	4.843E+09
40	1.000E+01	1.658E+00	-1.550E-02	1.142E+05	2.857E+03	0.000E+00	1.428E+02	4.843E+09
41	1.025E+01	1.612E+00	-1.543E-02	1.230E+05	3.001E+03	0.000E+00	1.464E+02	4.843E+09
42	1.050E+01	1.566E+00	-1.535E-02	1.322E+05	3.149E+03	0.000E+00	1.500E+02	4.843E+09
43	1.075E+01	1.520E+00	-1.527E-02	1.419E+05	3.301E+03	0.000E+00	1.535E+02	4.843E+09
44	1.100E+01	1.474E+00	-1.517E-02	1.520E+05	3.457E+03	0.000E+00	1.571E+02	4.843E+09
45	1.125E+01	1.429E+00	-1.508E-02	1.626E+05	3.615E+03	0.000E+00	1.607E+02	4.843E+09
46	1.150E+01	1.384E+00	-1.497E-02	1.737E+05	3.778E+03	0.000E+00	1.643E+02	4.843E+09
47	1.175E+01	1.339E+00	-1.486E-02	1.853E+05	3.944E+03	0.000E+00	1.678E+02	4.843E+09
48	1.200E+01	1.295E+00	-1.474E-02	1.974E+05	4.114E+03	0.000E+00	1.714E+02	4.843E+09
49	1.225E+01	1.251E+00	-1.462E-02	2.100E+05	4.287E+03	0.000E+00	1.750E+02	4.843E+09
50	1.250E+01	1.207E+00	-1.448E-02	2.231E+05	4.464E+03	0.000E+00	1.785E+02	4.843E+09
51	1.275E+01	1.164E+00	-1.434E-02	2.367E+05	4.644E+03	0.000E+00	1.821E+02	4.843E+09
52	1.300E+01	1.121E+00	-1.419E-02	2.510E+05	4.828E+03	0.000E+00	1.857E+02	4.843E+09
53	1.325E+01	1.079E+00	-1.403E-02	2.657E+05	5.015E+03	0.000E+00	1.893E+02	4.843E+09
54	1.350E+01	1.037E+00	-1.386E-02	2.810E+05	5.206E+03	0.000E+00	1.928E+02	4.843E+09
55	1.375E+01	9.954E-01	-1.368E-02	2.970E+05	5.401E+03	0.000E+00	1.964E+02	4.843E+09
56	1.400E+01	9.547E-01	-1.349E-02	3.134E+05	5.598E+03	-1.724E+00	1.974E+02	4.843E+09
57	1.425E+01	9.145E-01	-1.329E-02	3.305E+05	5.767E+03	-1.955E+01	1.413E+02	4.843E+09
58	1.450E+01	8.749E-01	-1.308E-02	3.481E+05	5.882E+03	-3.738E+01	8.783E+01	4.843E+09
59	1.475E+01	8.360E-01	-1.286E-02	3.658E+05	5.943E+03	-5.520E+01	3.435E+01	4.843E+09
60	1.500E+01	7.978E-01	-1.263E-02	3.837E+05	5.950E+03	-7.303E+01	-1.913E+01	4.843E+09
61	1.525E+01	7.602E-01	-1.239E-02	4.015E+05	5.905E+03	-9.086E+01	-7.261E+01	4.843E+09
62	1.550E+01	7.234E-01	-1.213E-02	4.191E+05	5.805E+03	-1.087E+02	-1.261E+02	4.843E+09
63	1.575E+01	6.874E-01	-1.187E-02	4.364E+05	5.652E+03	-1.265E+02	-1.796E+02	4.843E+09
64	1.600E+01	6.522E-01	-1.159E-02	4.531E+05	5.446E+03	-1.443E+02	-2.330E+02	4.843E+09
65	1.625E+01	6.179E-01	-1.131E-02	4.690E+05	5.186E+03	-1.622E+02	-2.865E+02	4.843E+09
66	1.650E+01	5.844E-01	-1.101E-02	4.842E+05	4.873E+03	-1.800E+02	-3.400E+02	4.843E+09
67	1.675E+01	5.518E-01	-1.071E-02	4.983E+05	4.506E+03	-1.978E+02	-3.934E+02	4.843E+09
68	1.700E+01	5.202E-01	-1.039E-02	5.112E+05	4.086E+03	-2.156E+02	-4.469E+02	4.843E+09
69	1.725E+01	4.895E-01	-1.007E-02	5.228E+05	3.612E+03	-2.335E+02	-5.004E+02	4.843E+09
70	1.750E+01	4.597E-01	-9.746E-03	5.329E+05	3.085E+03	-2.513E+02	-5.539E+02	4.843E+09
71	1.775E+01	4.310E-01	-9.413E-03	5.413E+05	2.521E+03	-2.580E+02	-5.741E+02	4.843E+09
72	1.800E+01	4.033E-01	-9.076E-03	5.480E+05	1.944E+03	-2.599E+02	-5.796E+02	4.843E+09
73	1.825E+01	3.765E-01	-8.735E-03	5.530E+05	1.364E+03	-2.606E+02	-5.817E+02	4.843E+09
74	1.850E+01	3.509E-01	-8.391E-03	5.562E+05	7.826E+02	-2.602E+02	-5.806E+02	4.843E+09
75	1.875E+01	3.262E-01	-8.046E-03	5.577E+05	2.040E+02	-2.589E+02	-5.767E+02	4.843E+09
76	1.900E+01	3.026E-01	-7.701E-03	5.574E+05	-3.695E+02	-2.567E+02	-5.701E+02	4.843E+09
77	1.925E+01	2.800E-01	-7.356E-03	5.555E+05	-9.351E+02	-2.537E+02	-5.611E+02	4.843E+09
78	1.950E+01	2.584E-01	-7.013E-03	5.518E+05	-1.491E+03	-2.500E+02	-5.500E+02	4.843E+09
79	1.975E+01	2.379E-01	-6.673E-03	5.465E+05	-2.034E+03	-2.457E+02	-5.371E+02	4.843E+09
80	2.000E+01	2.184E-01	-6.337E-03	5.396E+05	-2.564E+03	-2.408E+02	-5.225E+02	4.843E+09
81	2.025E+01	1.999E-01	-6.005E-03	5.311E+05	-3.079E+03	-2.355E+02	-5.066E+02	4.843E+09
82	2.050E+01	1.824E-01	-5.679E-03	5.211E+05	-3.576E+03	-2.295E+02	-4.886E+02	4.843E+09
83	2.075E+01	1.658E-01	-5.360E-03	5.097E+05	-4.055E+03	-2.229E+02	-4.686E+02	4.843E+09
84	2.100E+01	1.502E-01	-5.048E-03	4.968E+05	-4.512E+03	-2.155E+02	-4.464E+02	4.843E+09
85	2.125E+01	1.355E-01	-4.745E-03	4.826E+05	-4.950E+03	-2.096E+02	-4.289E+02	4.843E+09
86	2.150E+01	1.217E-01	-4.451E-03	4.671E+05	-5.369E+03	-2.031E+02	-4.094E+02	4.843E+09
87	2.175E+01	1.088E-01	-4.166E-03	4.504E+05	-5.768E+03	-1.960E+02	-3.881E+02	4.843E+09

88	2.200E+01	9.674E-02	-3.893E-03	4.325E+05	-6.144E+03	-1.883E+02	-3.651E+02	4.843E+09
89	2.225E+01	8.547E-02	-3.631E-03	4.135E+05	-6.497E+03	-1.802E+02	-3.407E+02	4.843E+09
90	2.250E+01	7.496E-02	-3.381E-03	3.935E+05	-6.825E+03	-1.712E+02	-3.137E+02	4.843E+09
91	2.275E+01	6.518E-02	-3.144E-03	3.726E+05	-7.124E+03	-1.619E+02	-2.857E+02	4.843E+09
92	2.300E+01	5.609E-02	-2.920E-03	3.508E+05	-7.395E+03	-1.519E+02	-2.558E+02	4.843E+09
93	2.325E+01	4.766E-02	-2.709E-03	3.282E+05	-7.635E+03	-1.412E+02	-2.238E+02	4.843E+09
94	2.350E+01	3.984E-02	-2.513E-03	3.050E+05	-7.842E+03	-1.300E+02	-1.901E+02	4.843E+09
95	2.375E+01	3.258E-02	-2.332E-03	2.811E+05	-8.008E+03	-1.144E+02	-1.431E+02	4.843E+09
96	2.400E+01	2.585E-02	-2.165E-03	2.569E+05	-8.119E+03	-9.305E+01	-7.919E+01	4.843E+09
97	2.425E+01	1.959E-02	-2.014E-03	2.324E+05	-8.167E+03	-7.230E+01	-1.693E+01	4.843E+09
98	2.450E+01	1.376E-02	-1.877E-03	2.079E+05	-8.154E+03	-5.204E+01	4.384E+01	4.843E+09
99	2.475E+01	8.326E-03	-1.756E-03	1.835E+05	-8.080E+03	-3.223E+01	1.033E+02	4.843E+09
100	2.500E+01	3.229E-03	-1.650E-03	1.594E+05	-7.948E+03	-1.279E+01	1.616E+02	4.843E+09
101	2.525E+01	-1.572E-03	-1.558E-03	1.358E+05	-7.746E+03	1.429E+01	2.428E+02	4.843E+09
102	2.550E+01	-6.121E-03	-1.481E-03	1.129E+05	-7.440E+03	5.619E+01	3.685E+02	4.843E+09
103	2.575E+01	-1.046E-02	-1.418E-03	9.118E+04	-7.010E+03	9.696E+01	4.909E+02	4.843E+09
104	2.600E+01	-1.463E-02	-1.368E-03	7.088E+04	-6.460E+03	1.369E+02	6.107E+02	4.843E+09
105	2.625E+01	-1.867E-02	-1.330E-03	5.242E+04	-5.790E+03	1.764E+02	7.291E+02	4.843E+09
106	2.650E+01	-2.261E-02	-1.302E-03	3.614E+04	-5.002E+03	2.156E+02	8.468E+02	4.843E+09
107	2.675E+01	-2.648E-02	-1.284E-03	2.241E+04	-4.096E+03	2.549E+02	9.648E+02	4.843E+09
108	2.700E+01	-3.031E-02	-1.274E-03	1.157E+04	-3.072E+03	2.946E+02	1.084E+03	4.843E+09
109	2.725E+01	-3.412E-02	-1.269E-03	3.978E+03	-1.928E+03	3.346E+02	1.204E+03	4.843E+09
110	2.750E+01	-3.793E-02	-1.268E-03	-7.468E-09	-6.630E+02	3.753E+02	1.326E+03	4.843E+09

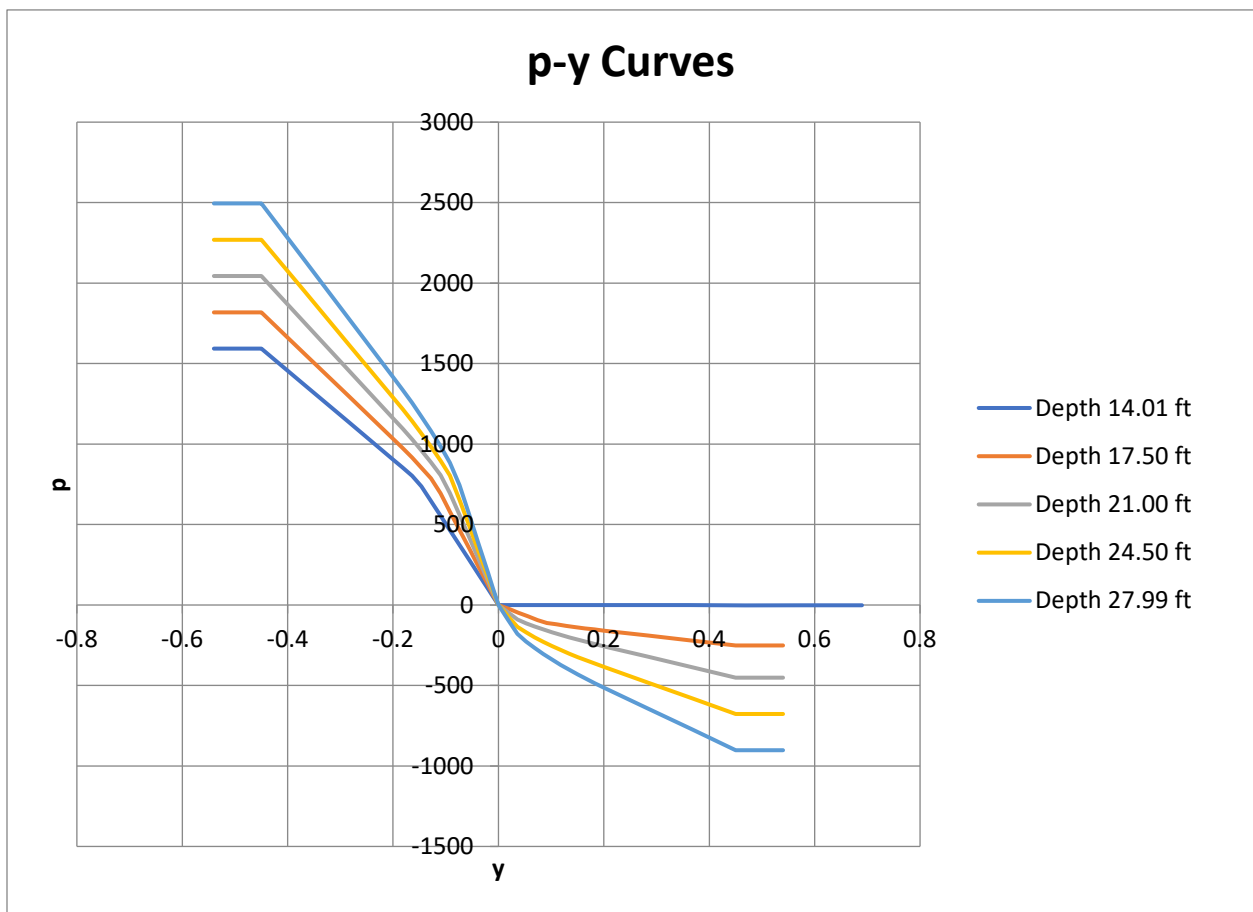


Figure 2 - p-y Curves

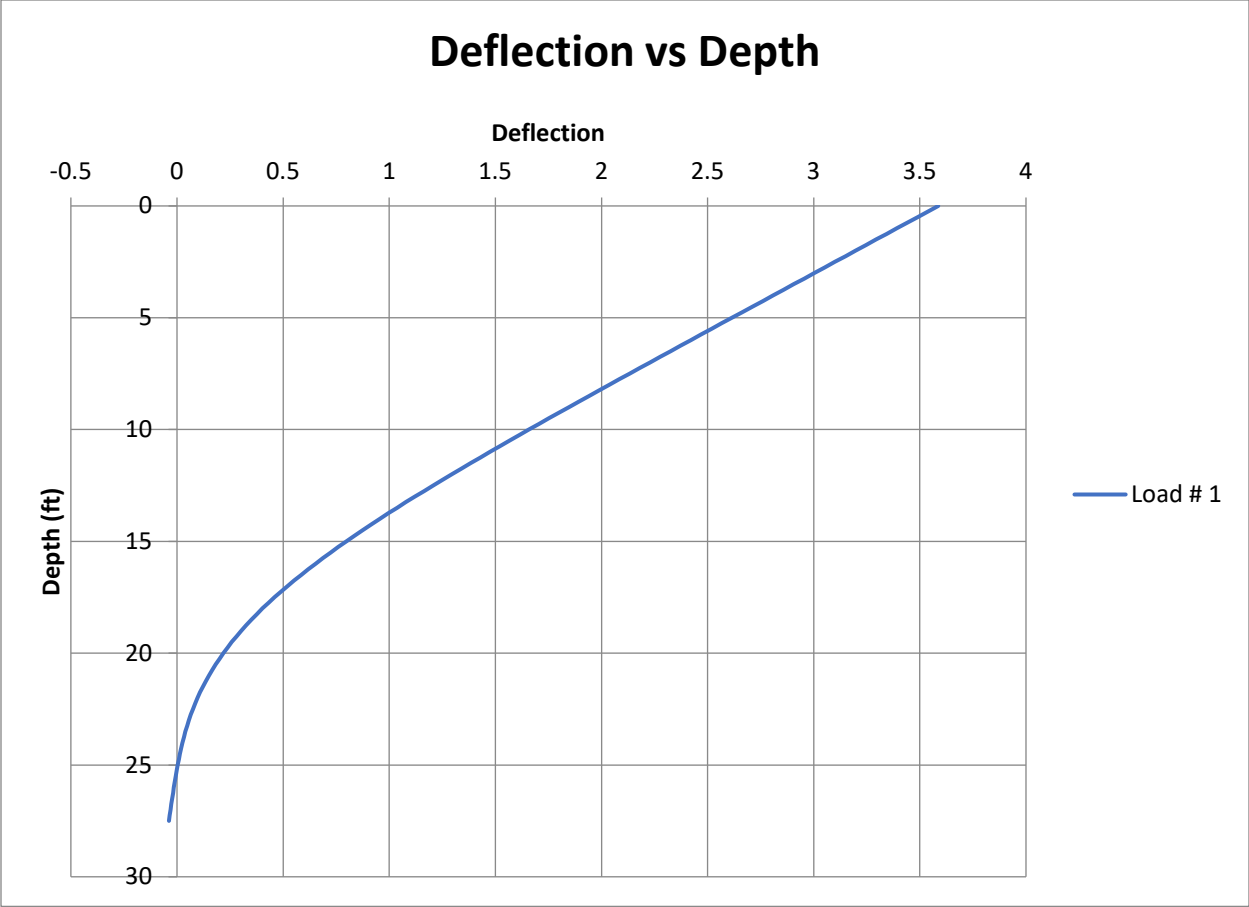


Figure 3 - Deflection vs Depth

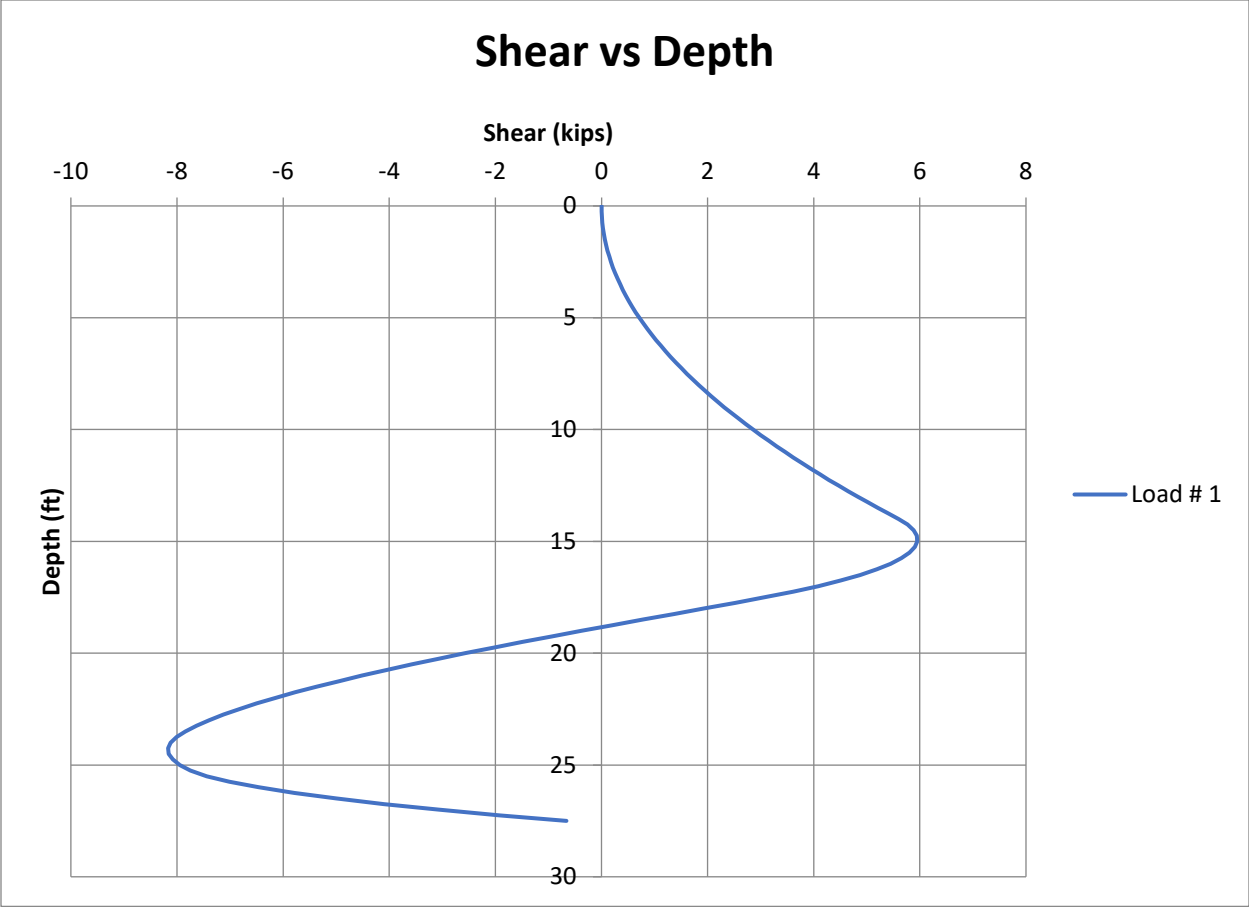


Figure 4 - Shear vs Depth

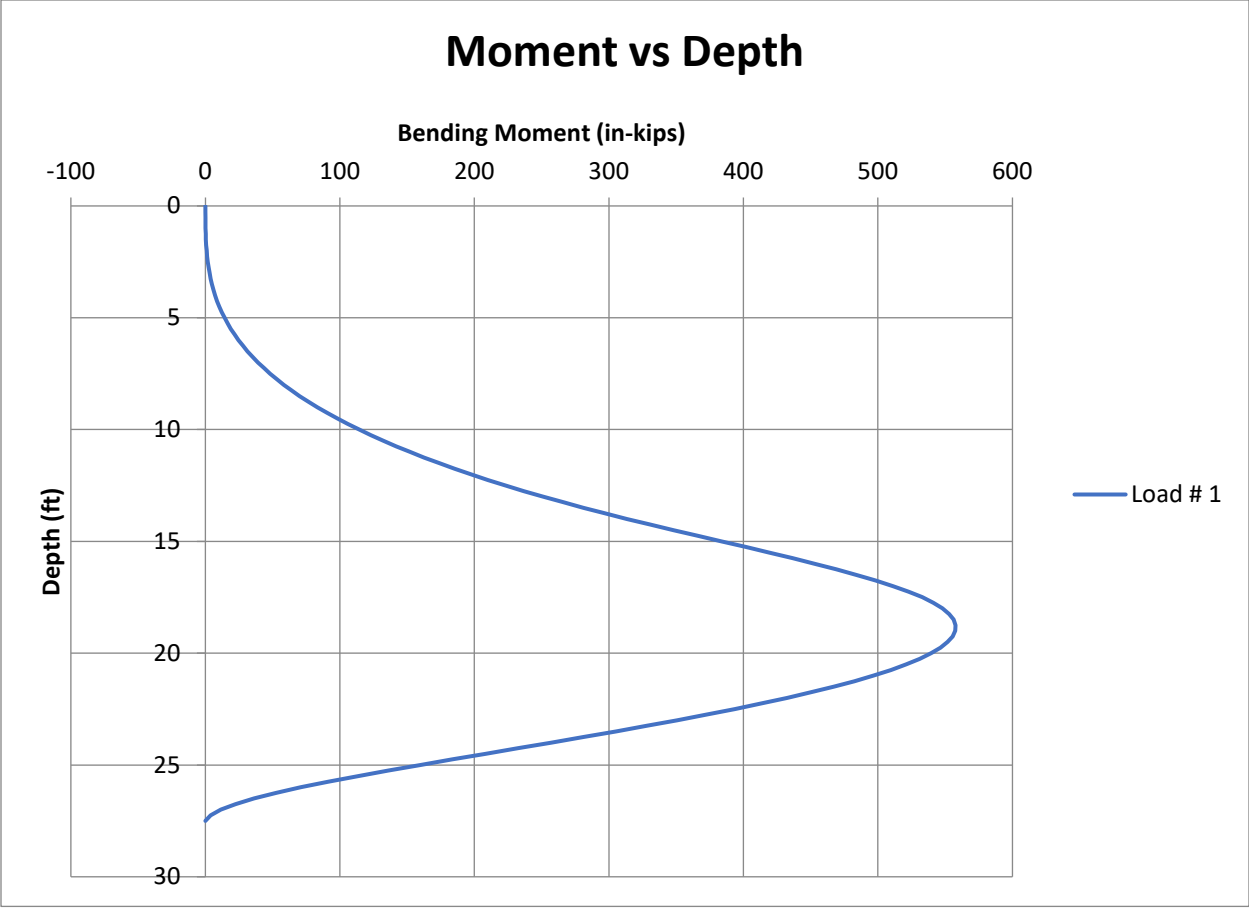


Figure 5 - Moment vs Depth

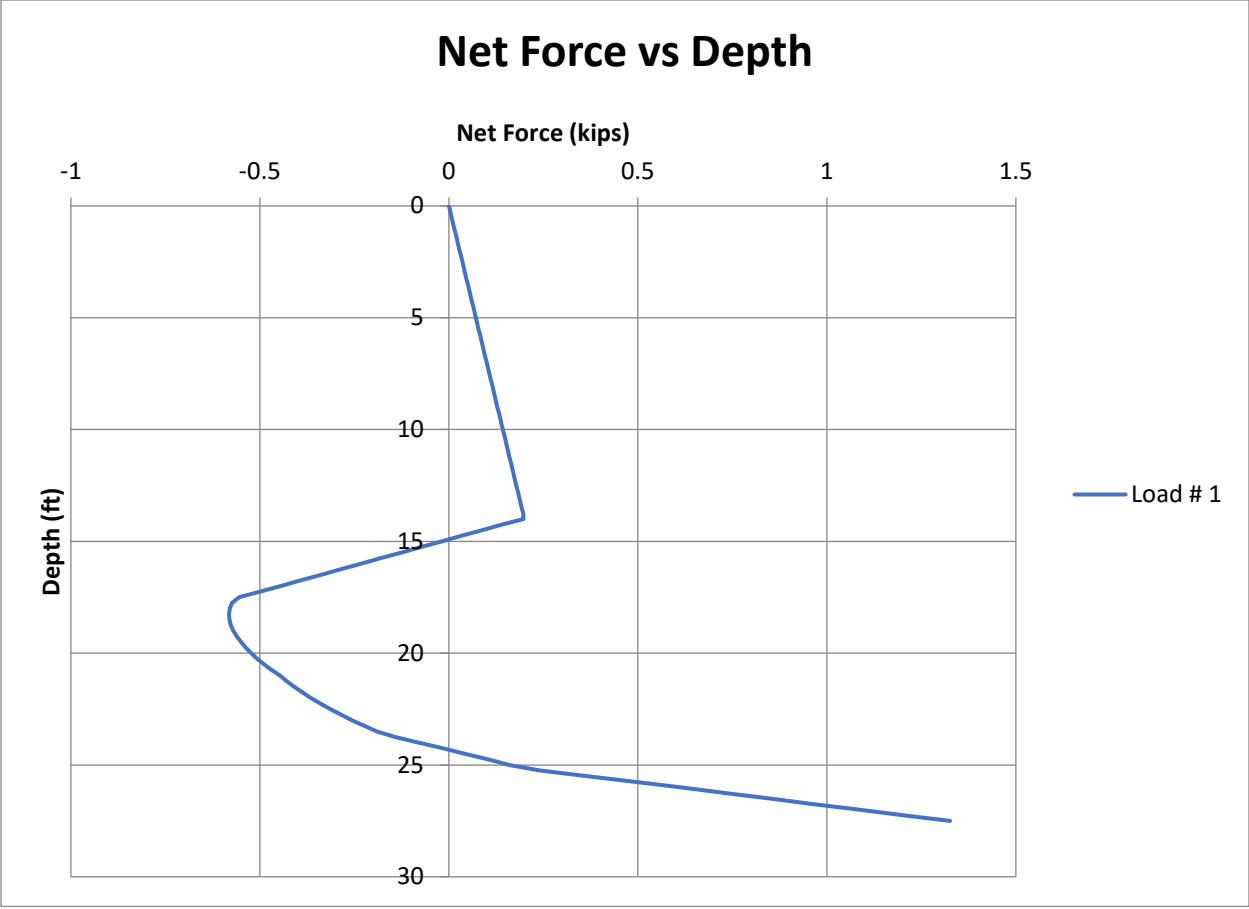


Figure 6 - Net Force vs Depth

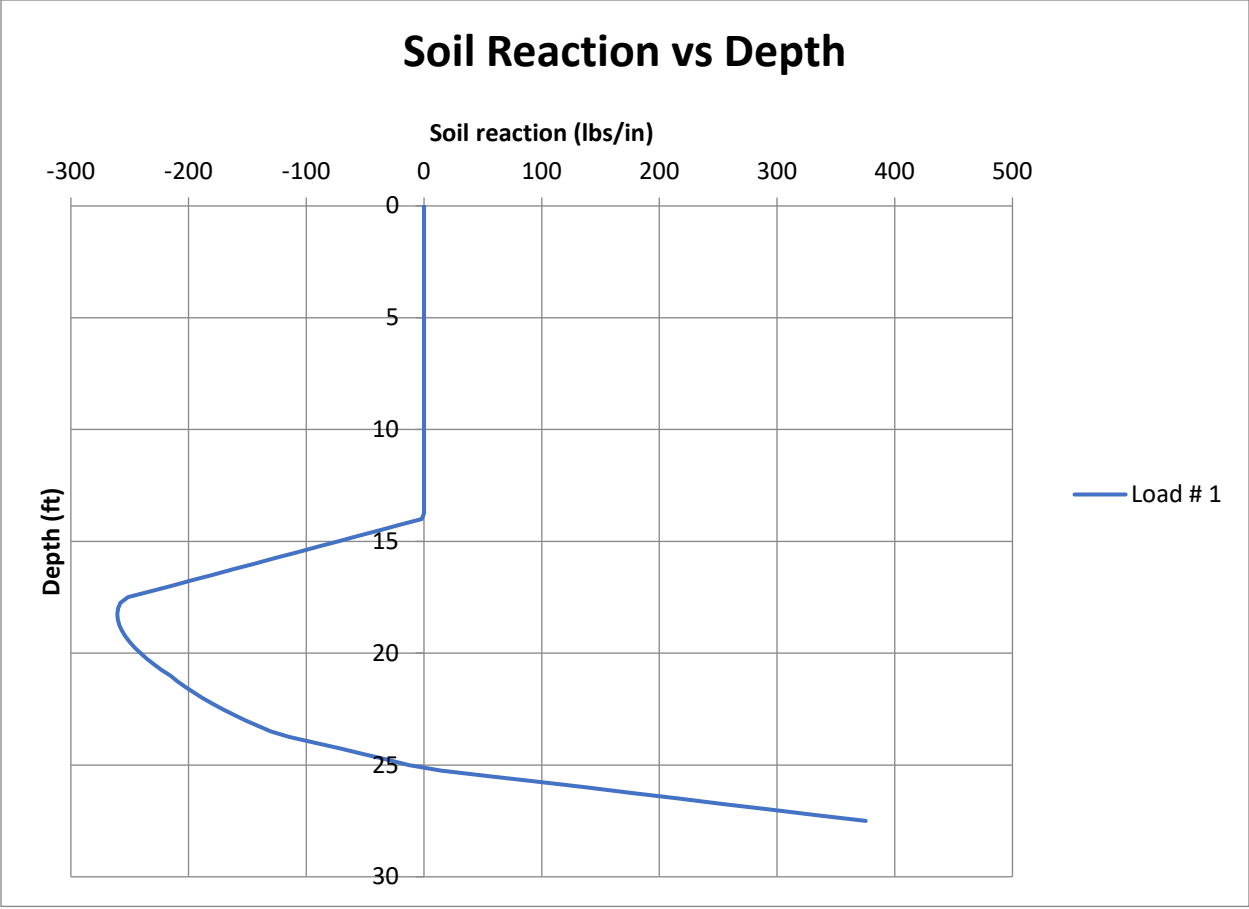


Figure 7 - Soil Reaction vs Depth

Earth Pressure Combined

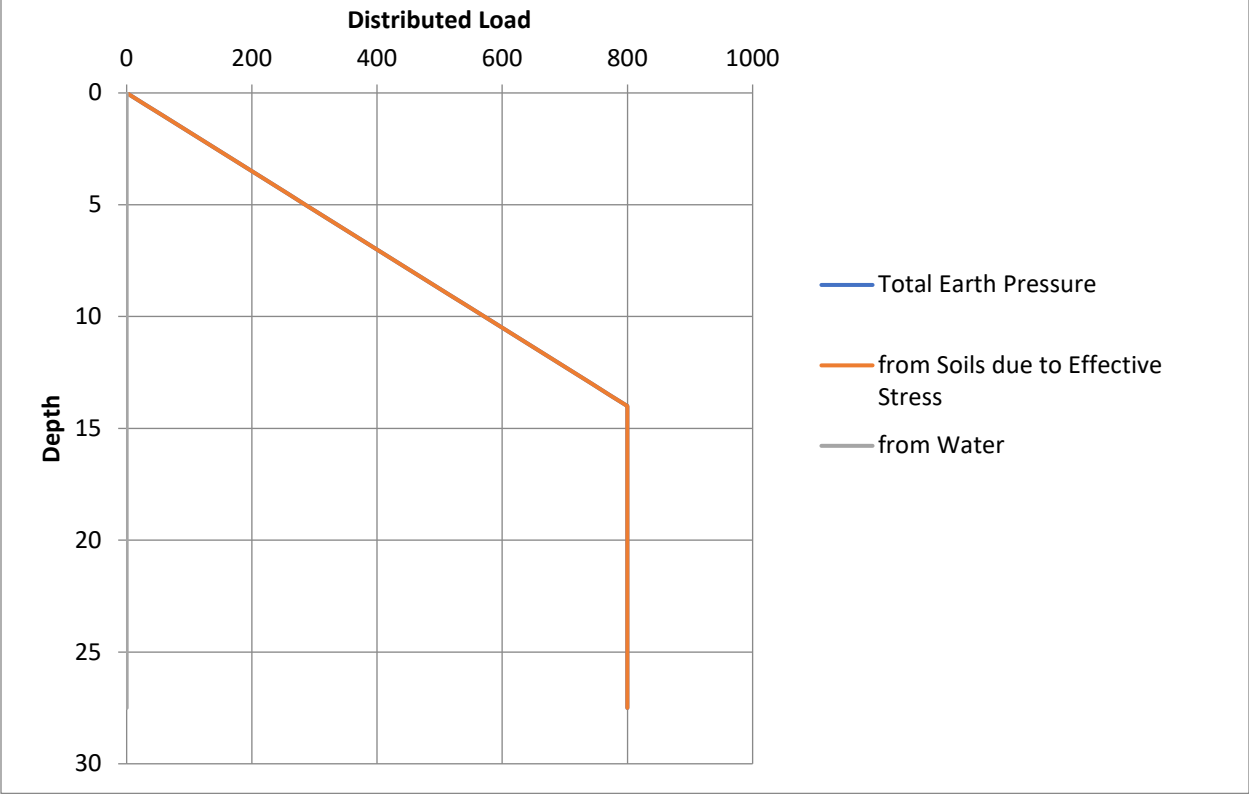


Figure 8 - Earth Pressure Combined