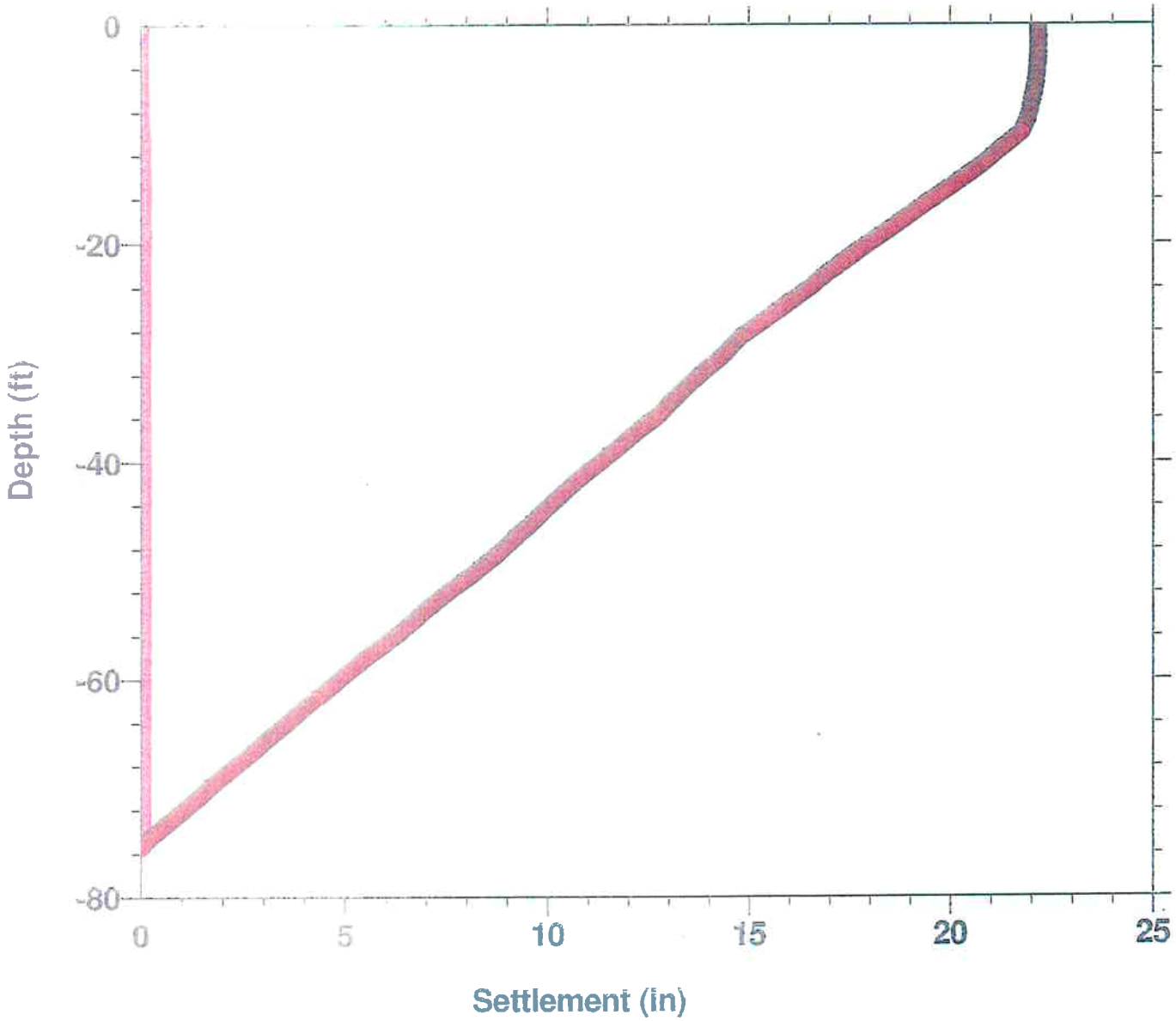
APPENDIX J-2

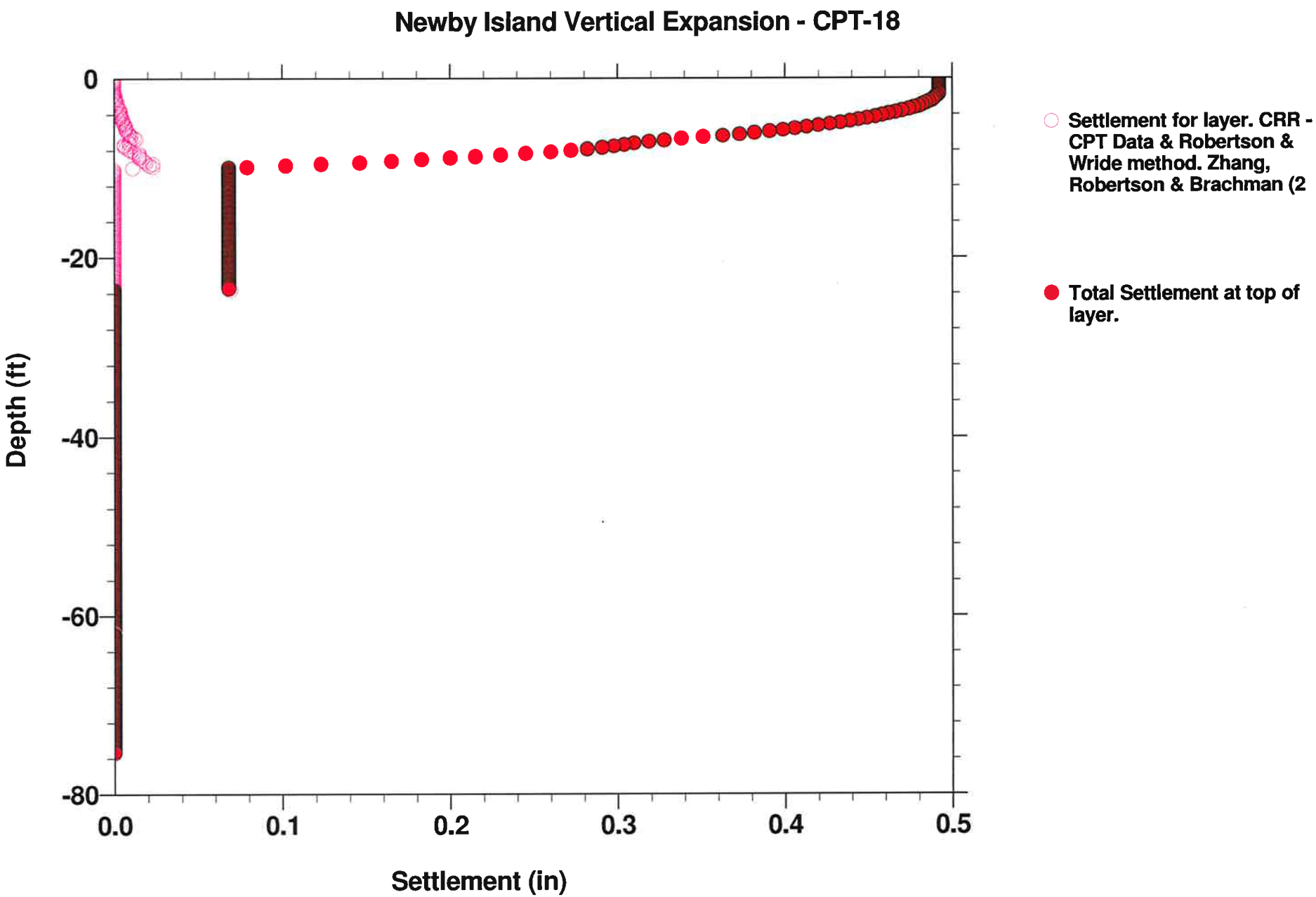
DYNAMIC SETTLEMENT CALCULATIONS

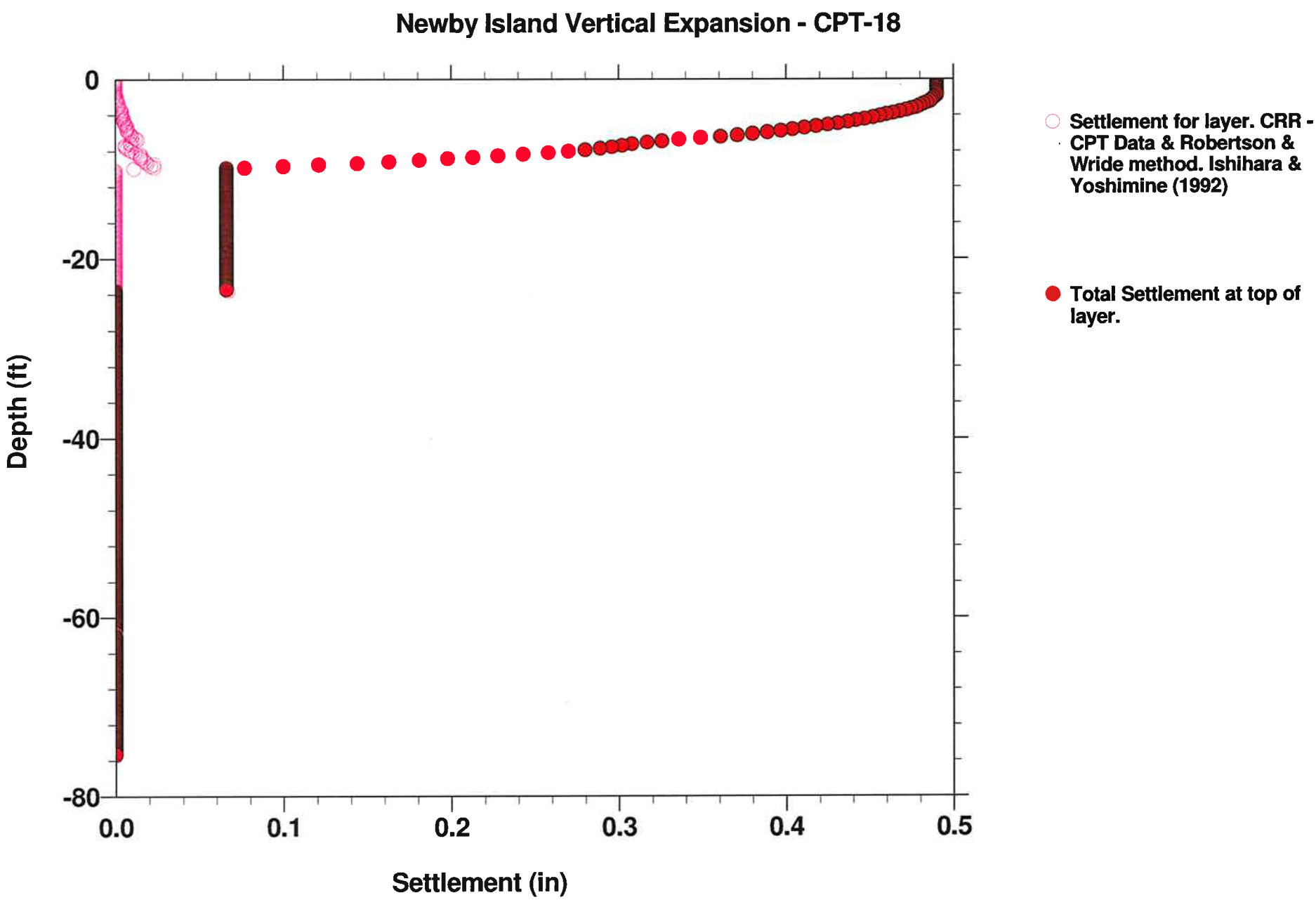
Newby Island Vertical Expansion - CPT-18



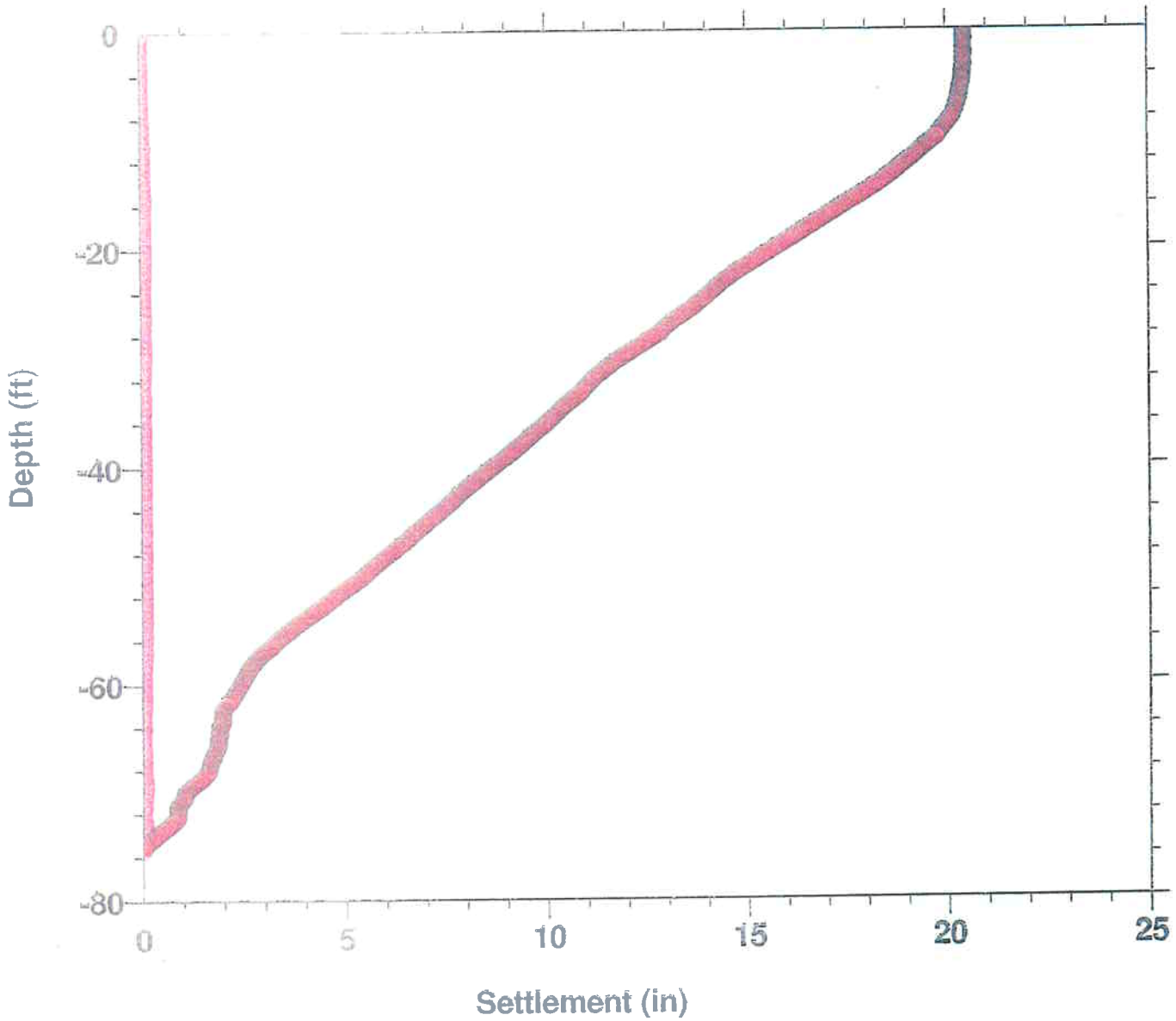
Settlement for layer. CRR - CPT Data & Robertson & Wride method. Tokimatsu & Seed (1987)

Total Settlement at top of layer.


Newby Island Vertical Expansion - CPT-18
Depth (ft)
0
-20
-40
-60
-80
0.0
0.1
0.2
0.3
0.4
0.5
Settlement (in)
Settlement for layer. CRR - CPT Data & Robertson & Wride method. Zhang, Robertson & Brachman (2
Total Settlement at top of layer.

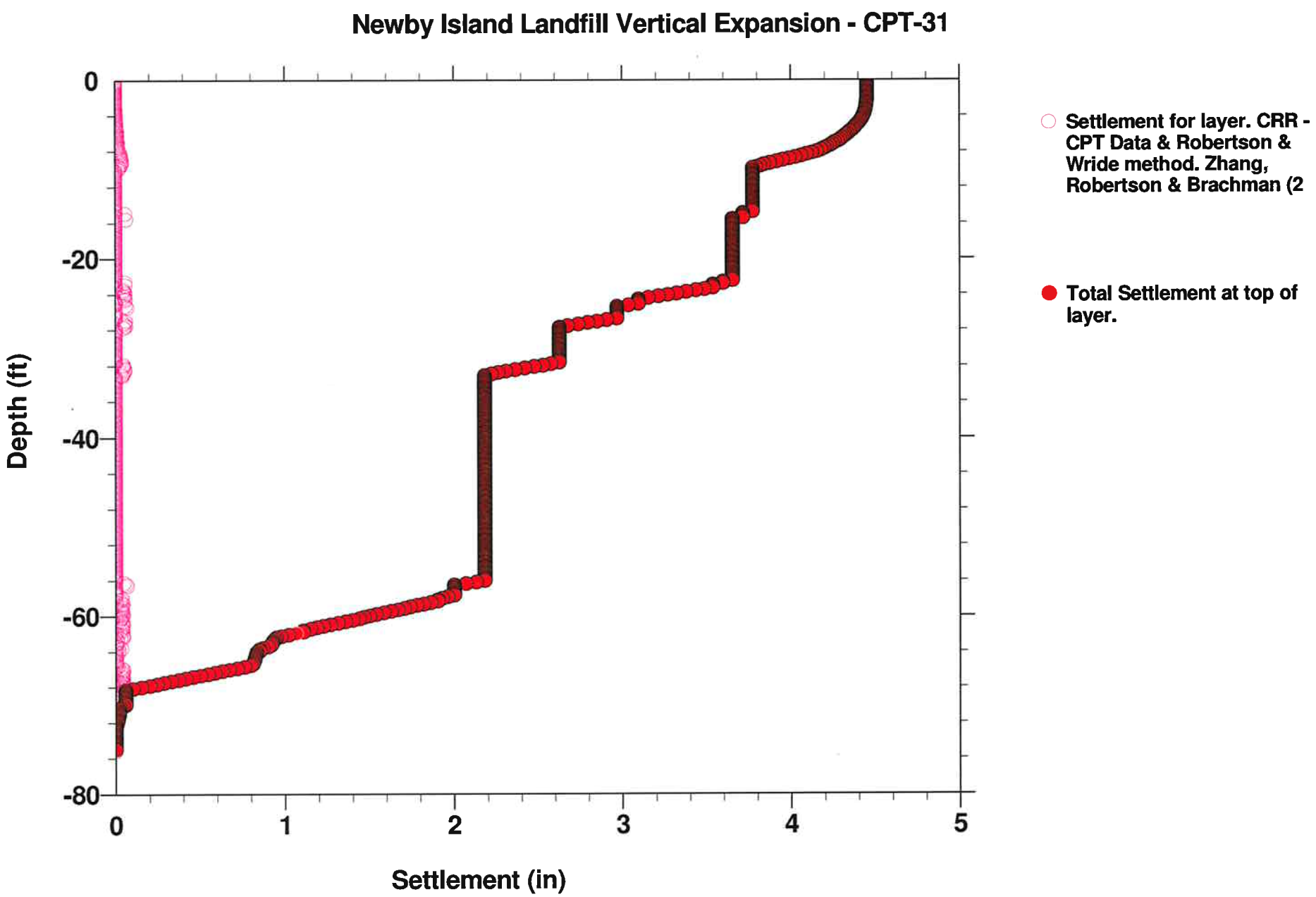

Newby Island Vertical Expansion - CPT-18
Depth (ft)
0
-20
-40
-60
-80
0.0
0.1
0.2
0.3
0.4
0.5
Settlement (in)
Settlement for layer. CRR - CPT Data & Robertson & Wride method. Ishihara & Yoshimine (1992)
Total Settlement at top of layer.

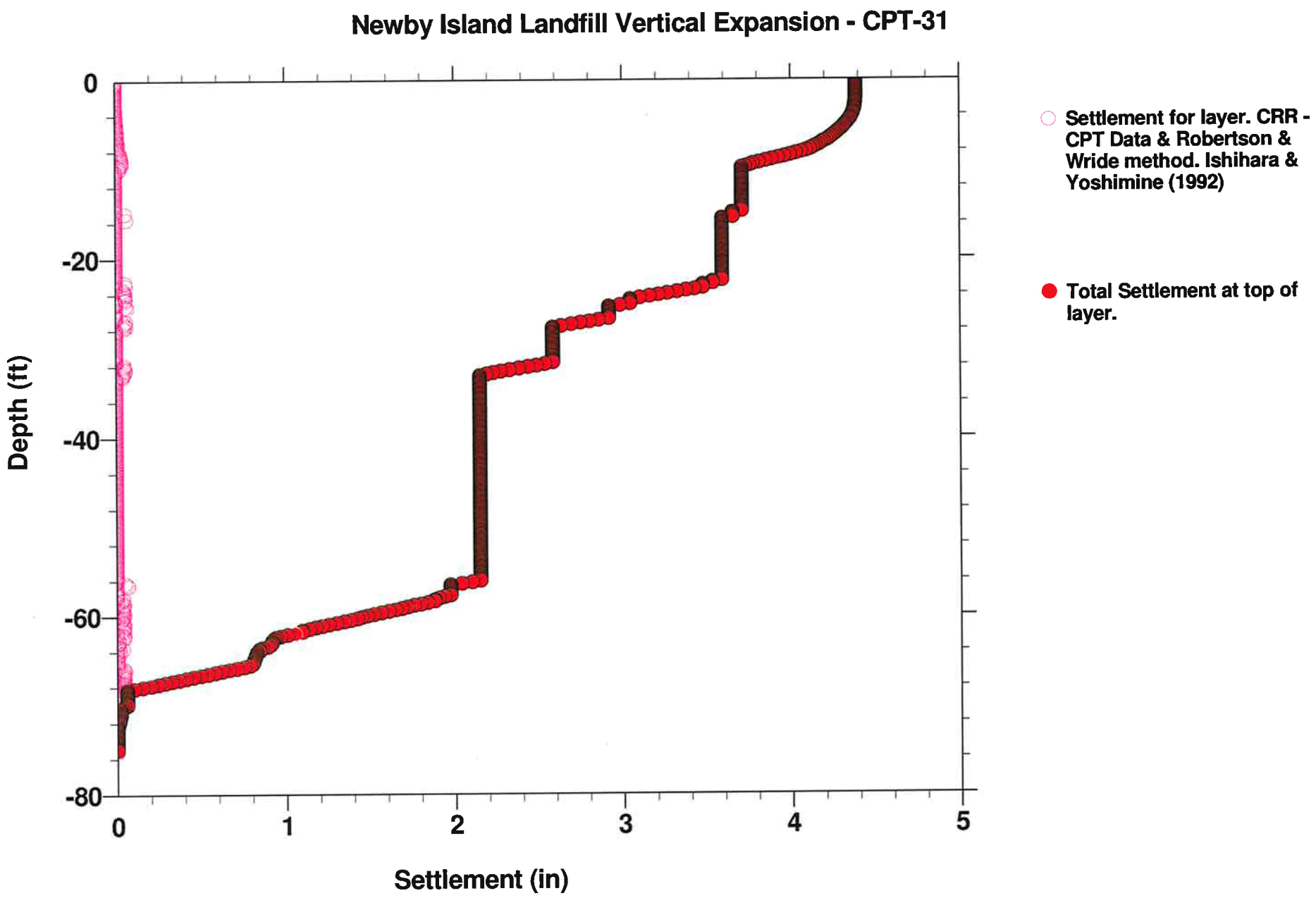
Newby Island Landfill Vertical Expansion - CPT-31

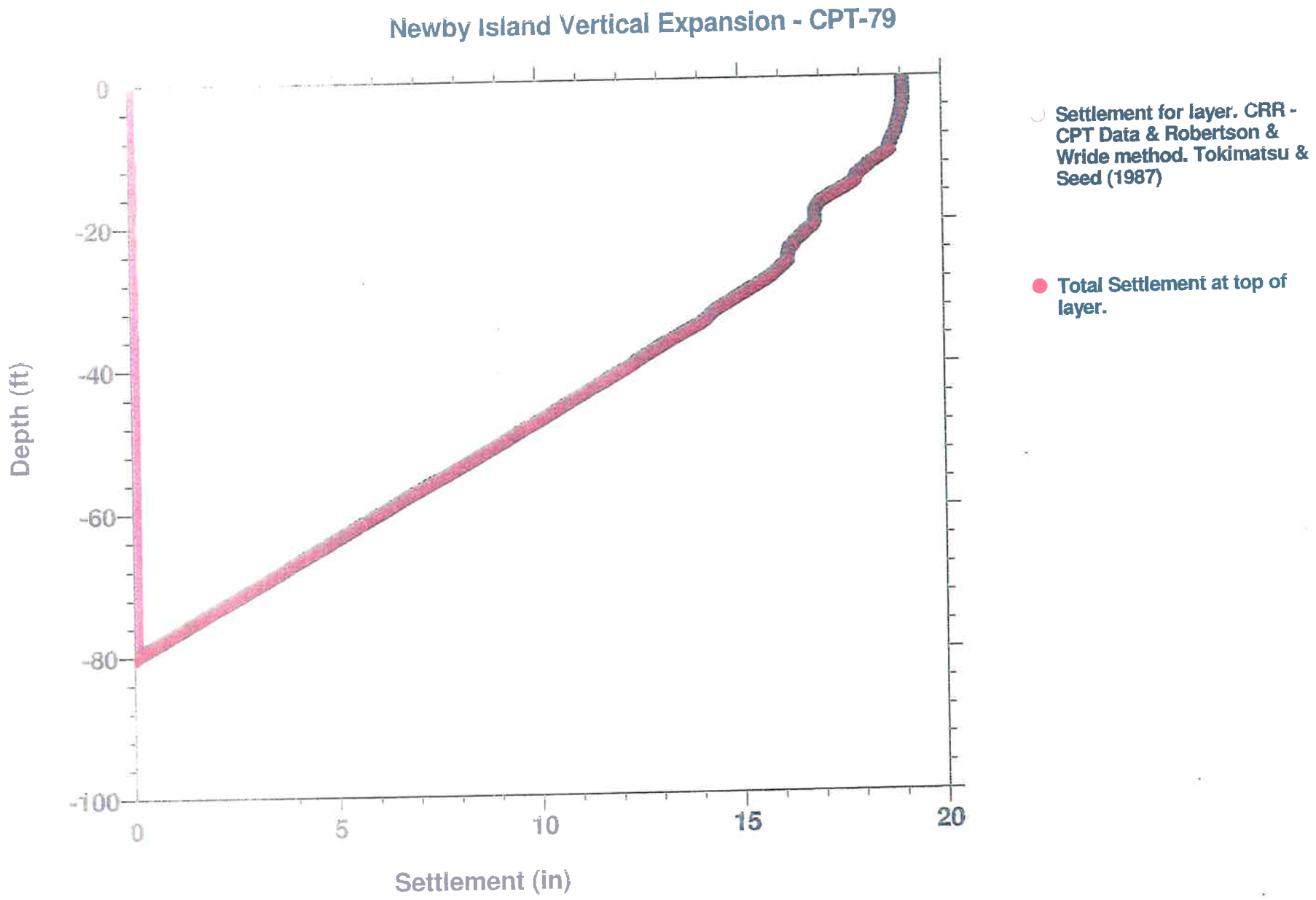


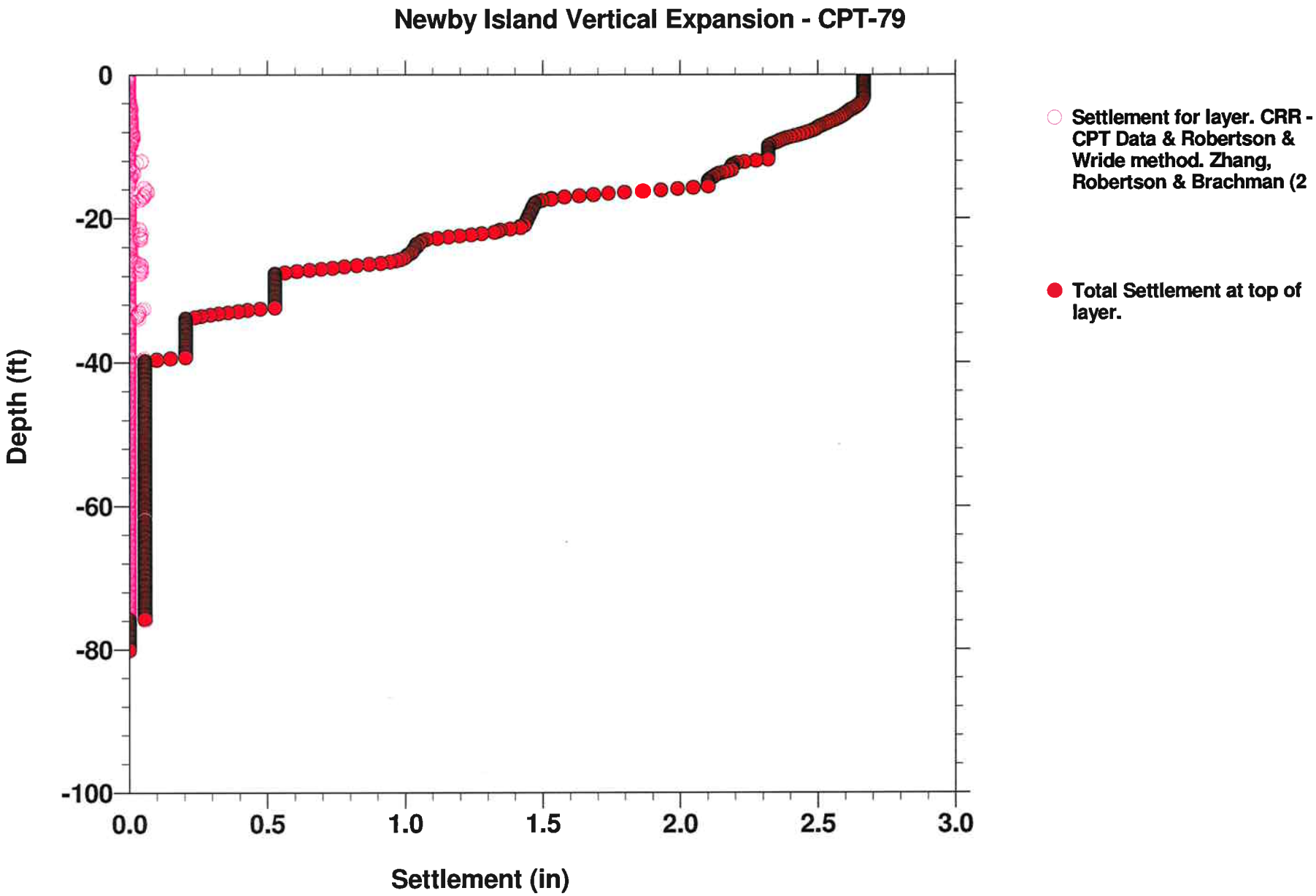
○ Settlement for layer. CRR - CPT Data & Robertson & Wride method. Tokimatsu & Seed (1987)

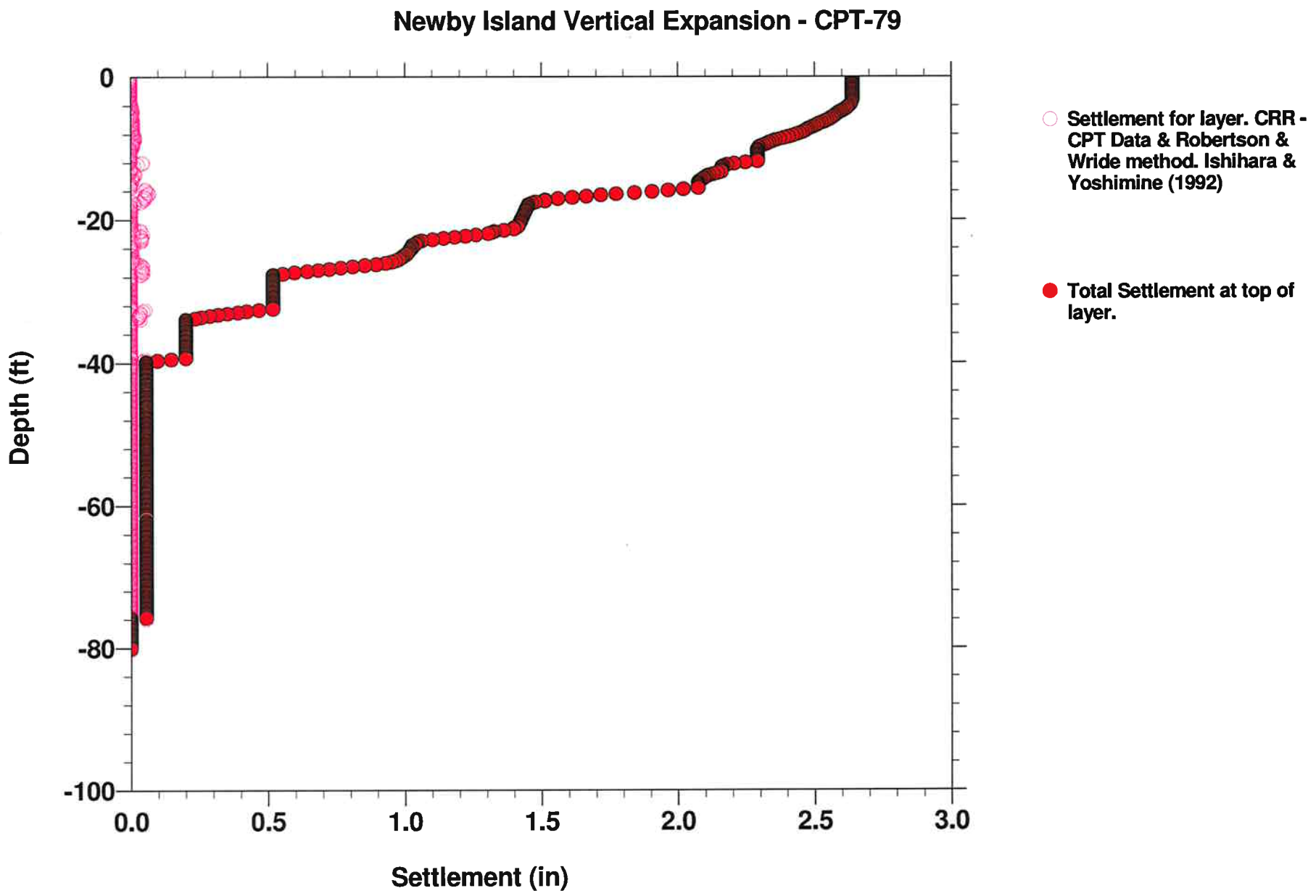
● Total Settlement at top of layer.


Newby Island Landfill Vertical Expansion - CPT-31
Depth (ft)
0
-20
-40
-60
-80
0
1
2
3
4
5
Settlement (in)
Settlement for layer. CRR - CPT Data & Robertson & Wride method. Zhang, Robertson & Brachman (2
Total Settlement at top of layer.


Newby Island Landfill Vertical Expansion - CPT-31
Depth (ft)
0
-20
-40
-60
-80
0
1
2
3
4
5
Settlement (in)
Settlement for layer. CRR - CPT Data & Robertson & Wride method. Ishihara & Yoshimine (1992)
Total Settlement at top of layer.


Newby Island Vertical Expansion - CPT-79
Depth (ft)
0
-20
-40
-60
-80
-100
0
5
10
15
20
Settlement (in)
Settlement for layer. CRR - CPT Data & Robertson & Wride method. Tokimatsu & Seed (1987)
Total Settlement at top of layer.


Newby Island Vertical Expansion - CPT-79
Depth (ft)
0
-20
-40
-60
-80
-100
0.0
0.5
1.0
1.5
2.0
2.5
3.0
Settlement (in)
Settlement for layer. CRR - CPT Data & Robertson & Wride method. Zhang, Robertson & Brachman (2
Total Settlement at top of layer.


Newby Island Vertical Expansion - CPT-79
Depth (ft)
0
-20
-40
-60
-80
-100
0.0
0.5
1.0
1.5
2.0
2.5
3.0
Settlement (in)
Settlement for layer. CRR - CPT Data & Robertson & Wride method. Ishihara & Yoshimine (1992)
Total Settlement at top of layer.