Appendix D

Figure D-1 – Piers For Ramps Crossing SR 7 H Piles
Figure D-2 – Pier For Ramp A Crossing I-95 H Piles
Figure D-3 – Piers For Ramps Crossing SR 7 H Piles
Figure D-4 – Pier For Ramp A Crossing I-95 H Piles
Figure D-5 – Piers For Ramps Crossing SR 7 Pipe Piles
Figure D-6 – Pier For Ramp A Crossing of I-95 Pipe Piles
Figure D-7 – Pier For Ramps Crossing SR 7 Pipe Piles
Figure D-8 – Pier For Ramp A Crossing I-95 Pipe Piles
Figure D-9 – North Abutment For Ramps Crossing SR 7 Pipe Piles

FIGURE D-1. PIERS FOR RAMPS CROSSING SR 7 - H PILES
Nominal Resistance vs. Plan Tip Elevation

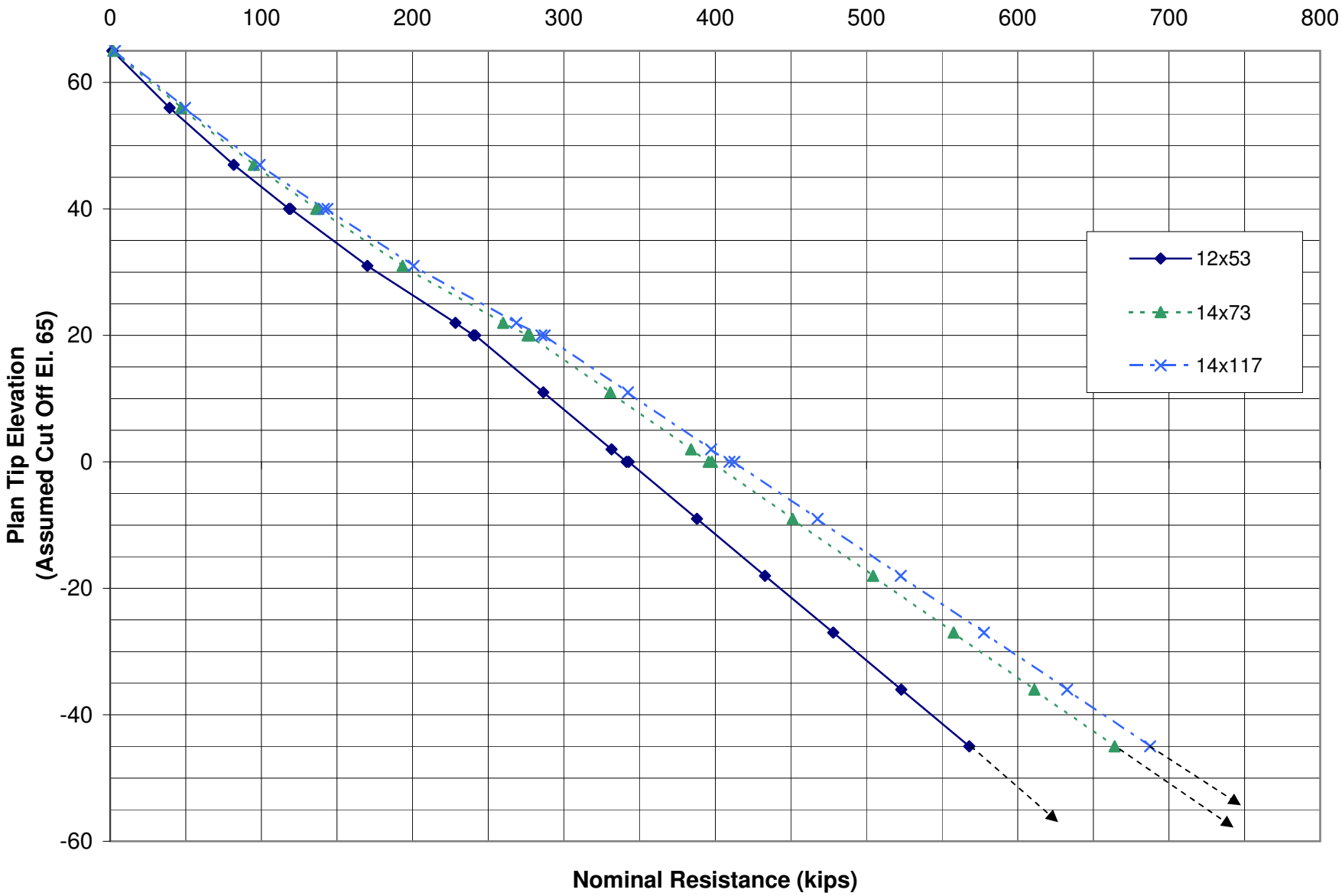


FIGURE D-2. PIER FOR RAMP A CROSSING OF I-95 - H PILES
Nominal Resistance vs. Plan Tip Elevation

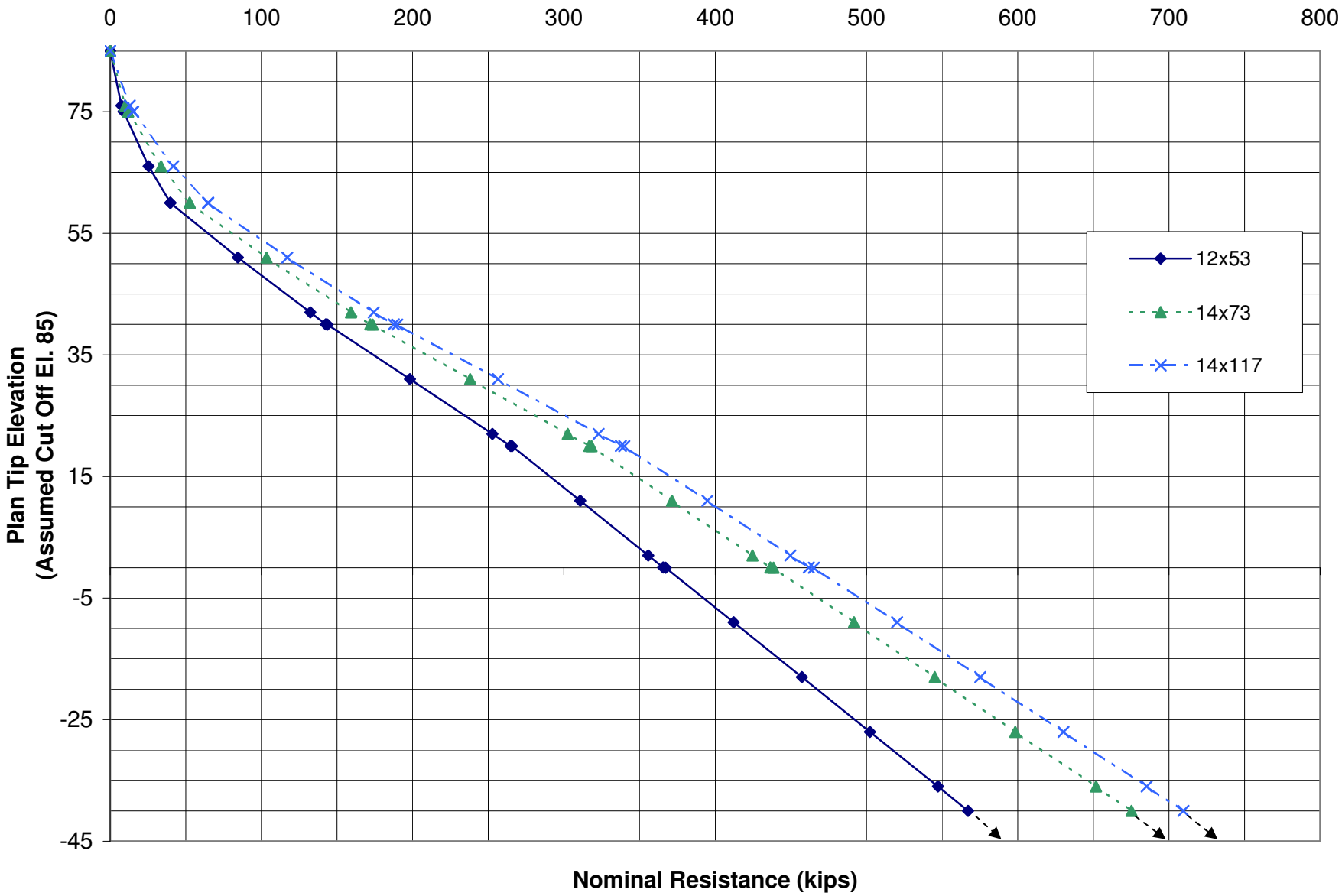
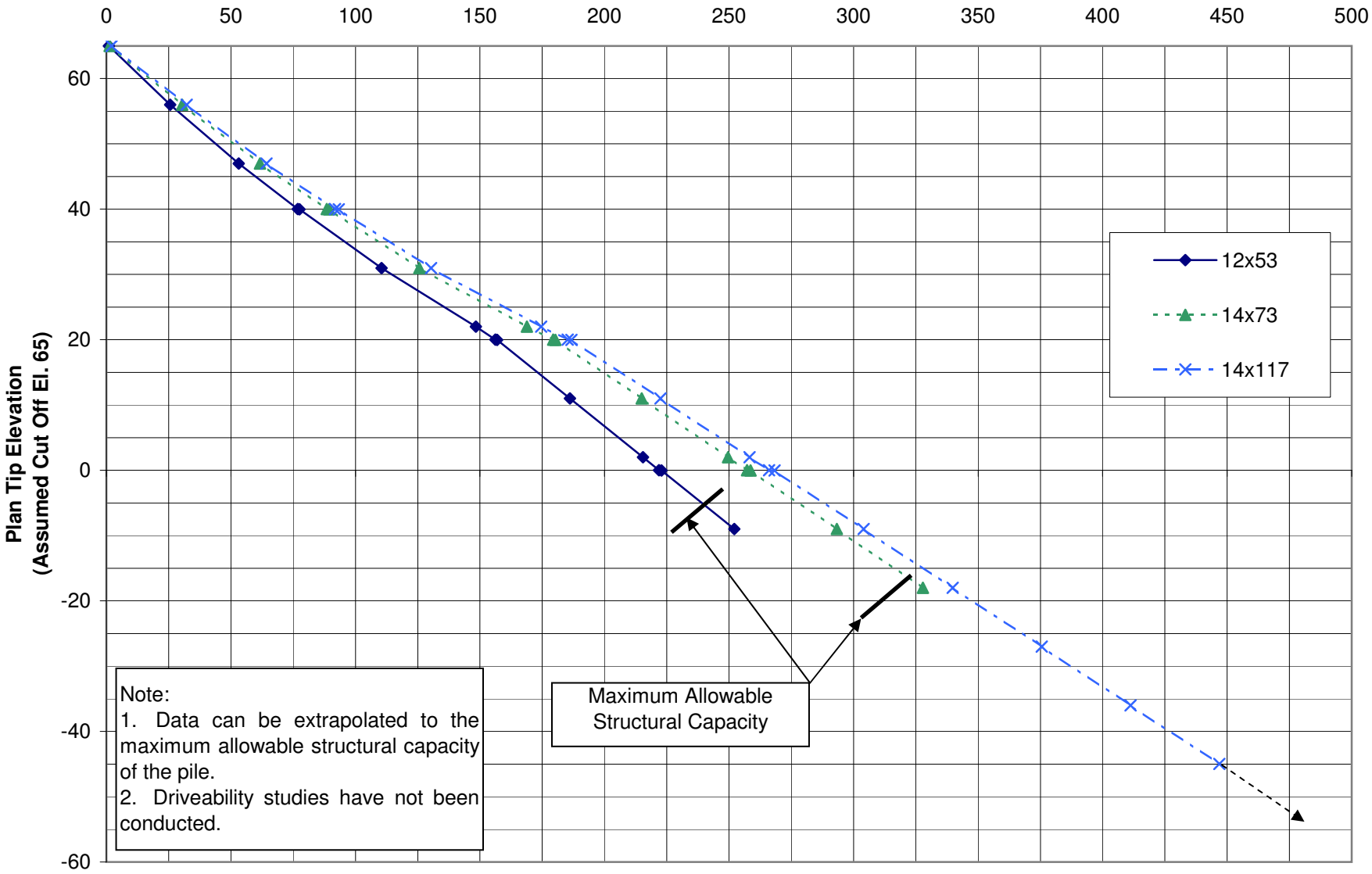
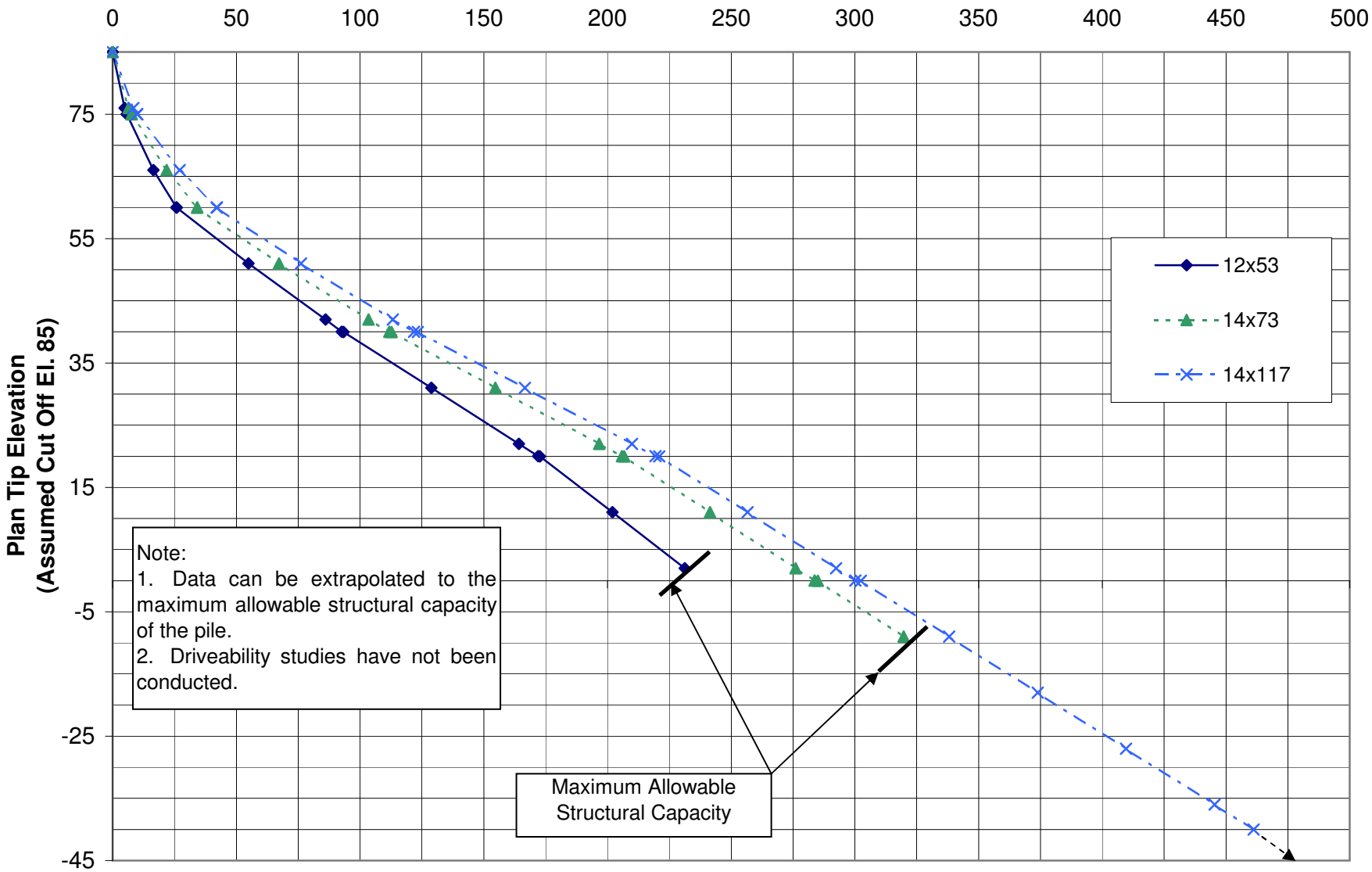


FIGURE D-3. PIERS FOR RAMPS CROSSING SR 7 - H PILES
Factored Resistance vs. Plan Tip Elevation



Factored Resistance = Nominal Resistance x Resistance Factor(Φ = 0.65) (kips)
(Refer to assumptions herein related to Φ selection)

FIGURE D-4. PIER FOR RAMP A CROSSING OF I-95 - H PILES
Factored Resistance vs. Plan Tip Elevation



Factored Resistance = Nominal Resistance x Resistance Factor(Φ = 0.65) (kips)
(Refer to assumptions herein related to Φ selection)

FIGURE D-5. PIERS FOR RAMPS CROSSING SR 7 - PIPE PILES
Nominal Resistance vs. Plan Tip Elevation

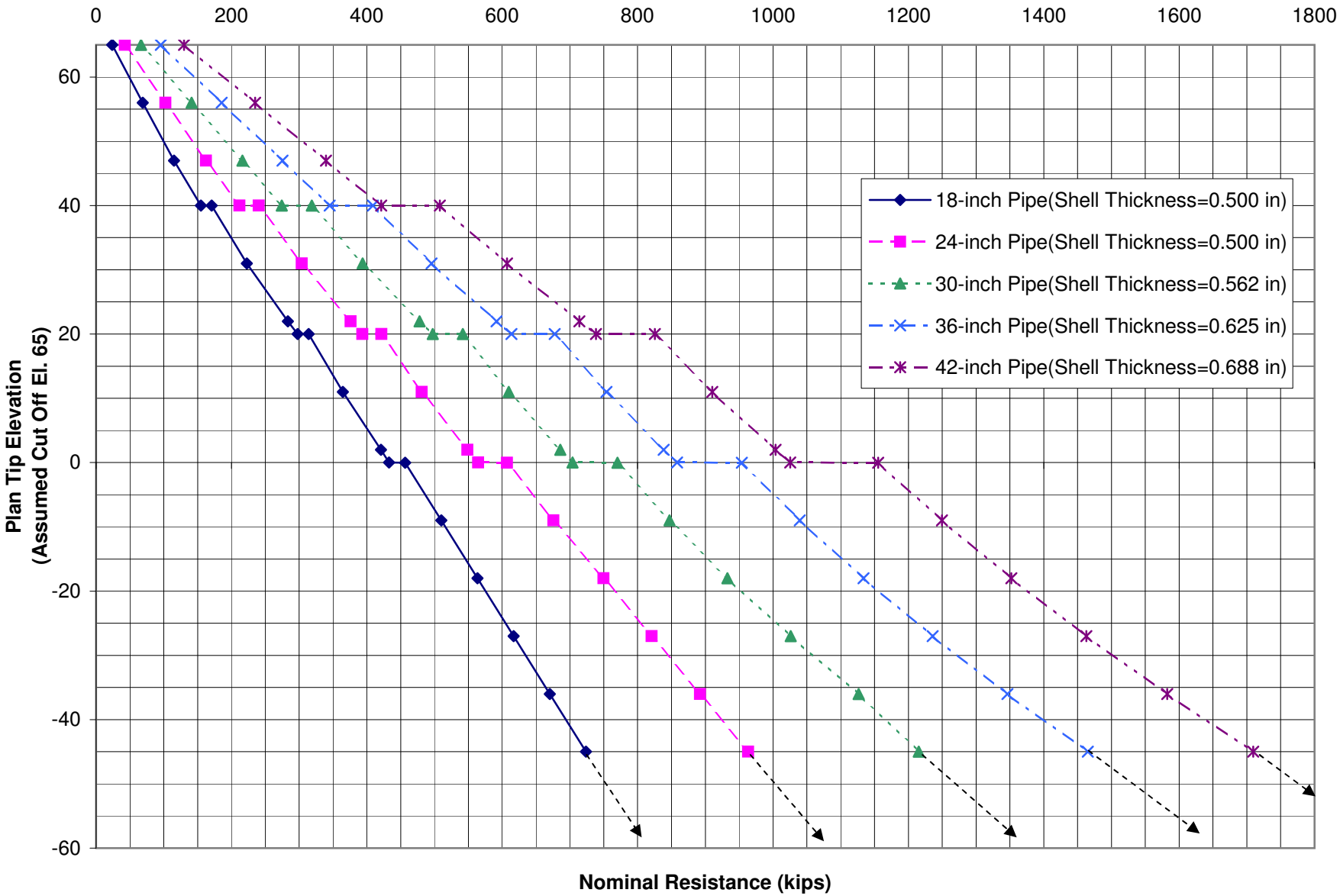


FIGURE D-6. PIER FOR RAMP A CROSSING OF I-95 - PIPE PILES
Nominal Resistance vs. Plan Tip Elevation

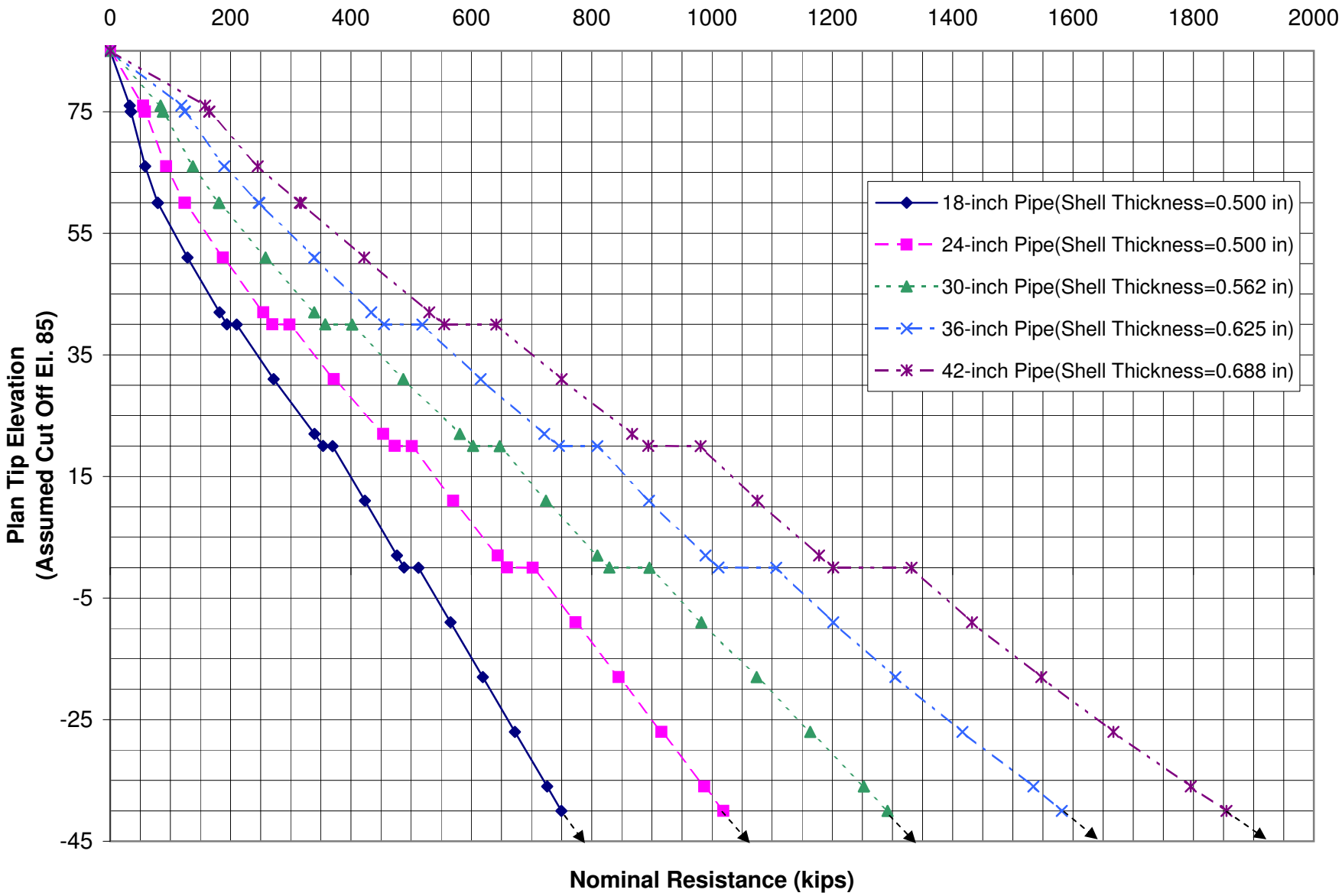
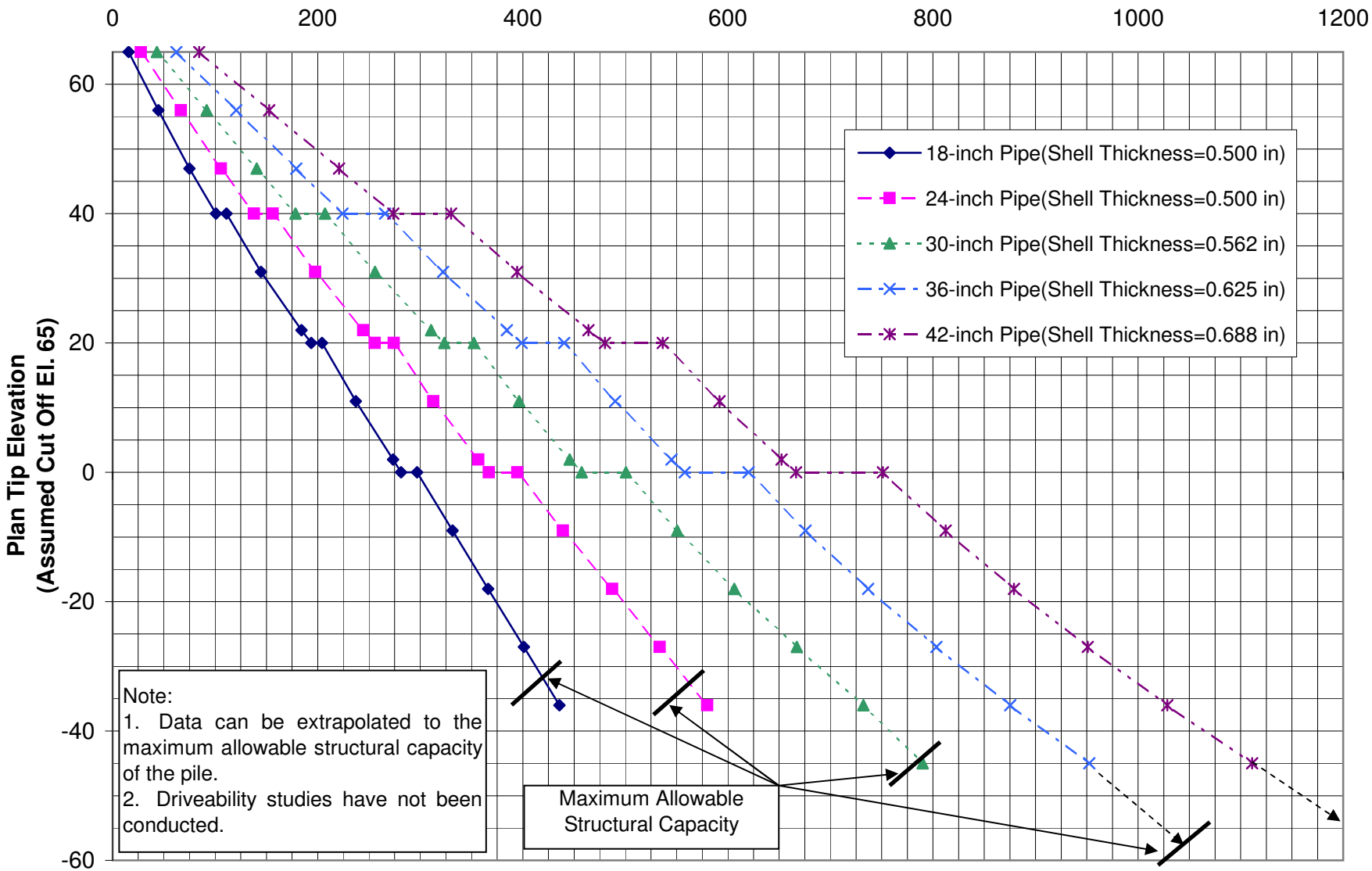
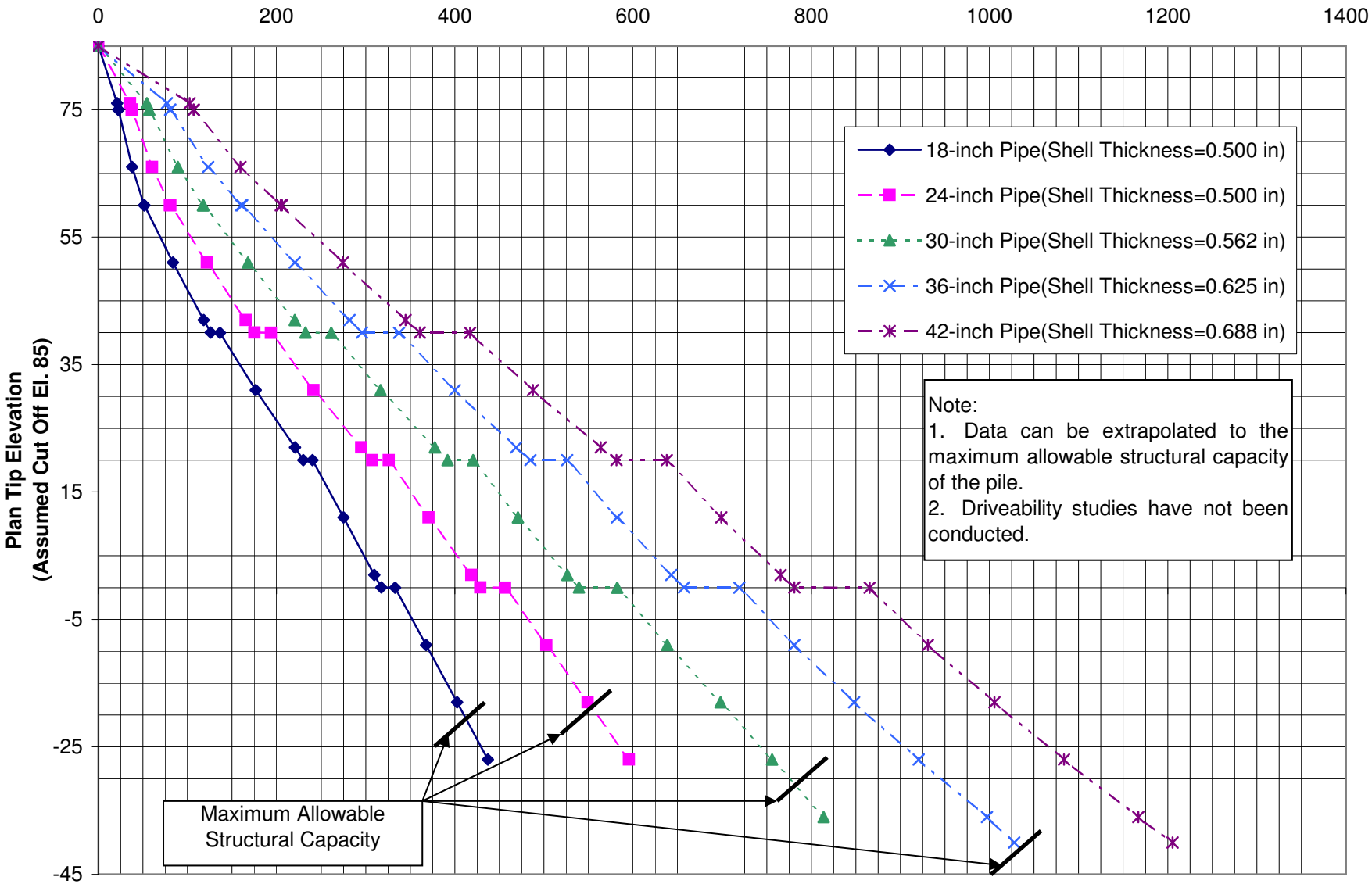


FIGURE D-7. PIERS FOR RAMPS CROSSING SR 7 - PIPE PILES
Factored Resistance vs. Plan Tip Elevation



Factored Resistance = Nominal Resistance x Resistance Factor(Φ = 0.65) (kips)
(Refer to assumptions herein related to Φ selection)

FIGURE D-8. PIER FOR RAMP A CROSSING OF I-95 - PIPE PILES
Factored Resistance vs. Plan Tip Elevation



Factored Resistance = Nominal Resistance x Resistance Factor(Φ = 0.65) (kips)
(Refer to assumptions herein related to Φ selection)

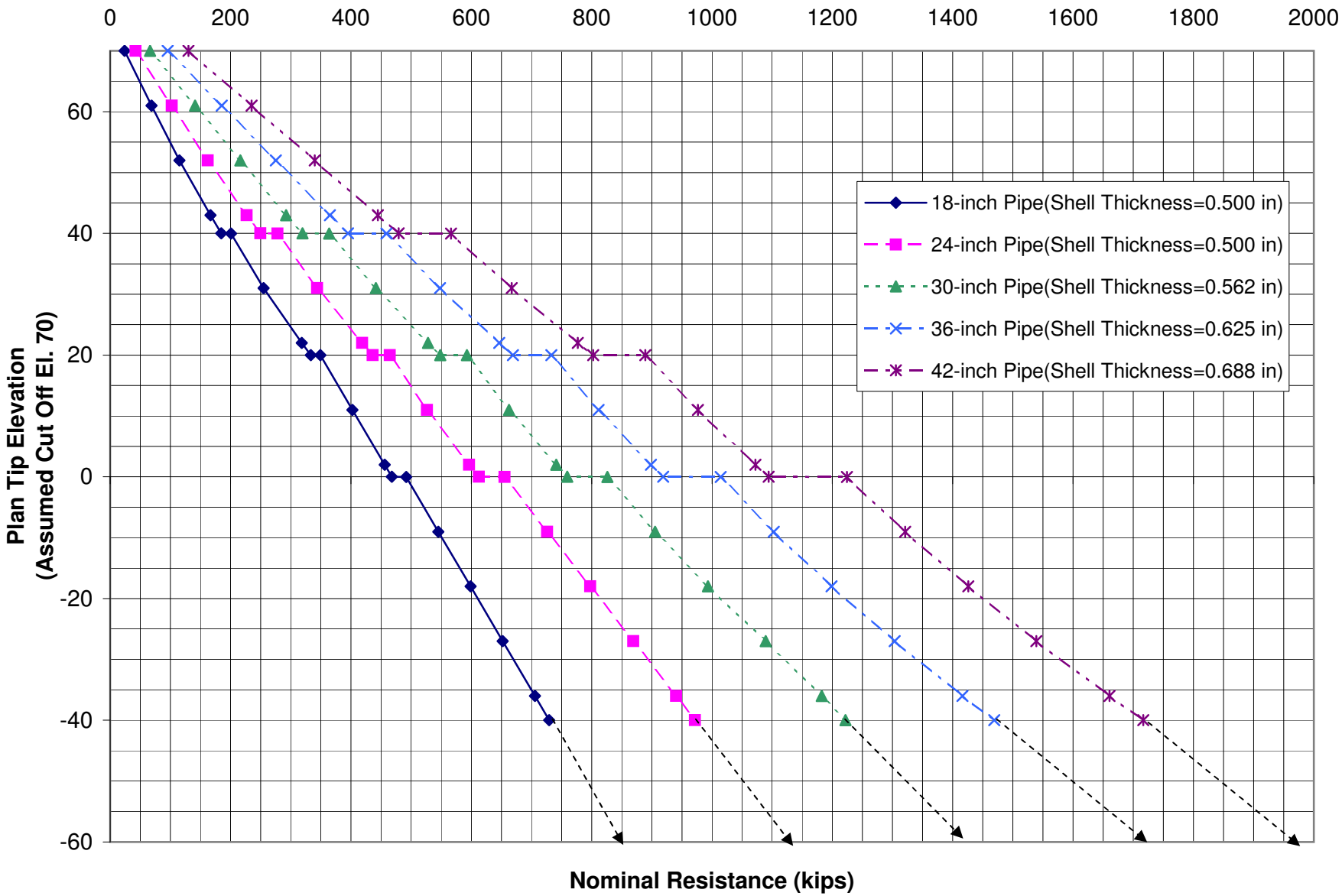



FIGURE D-9. NORTH ABUTMENTS FOR RAMPS CROSSING SR 7 - PIPE PILES
Nominal Resistance vs. Plan Tip Elevation