

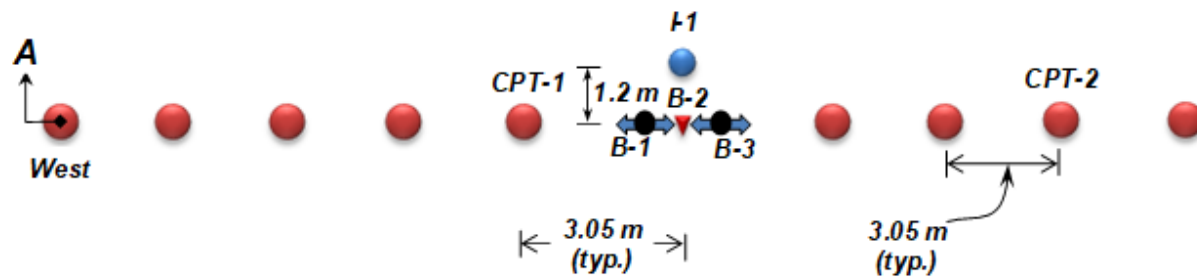
Site and Exploration Plan



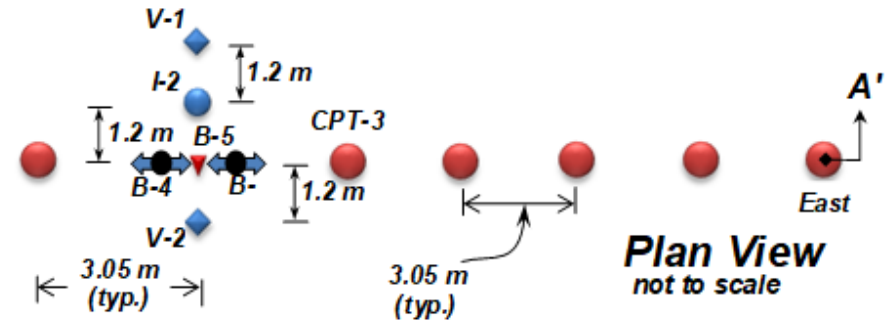
LEGEND

- 3D Velocity Transducer in grouted borehole
- Pore Pressure Transducer in grouted borehole
- Blast Casing in grouted borehole
- Inclinometer Casing in grouted borehole
- Vane Shear Testing Location in open borehole

Sand Array

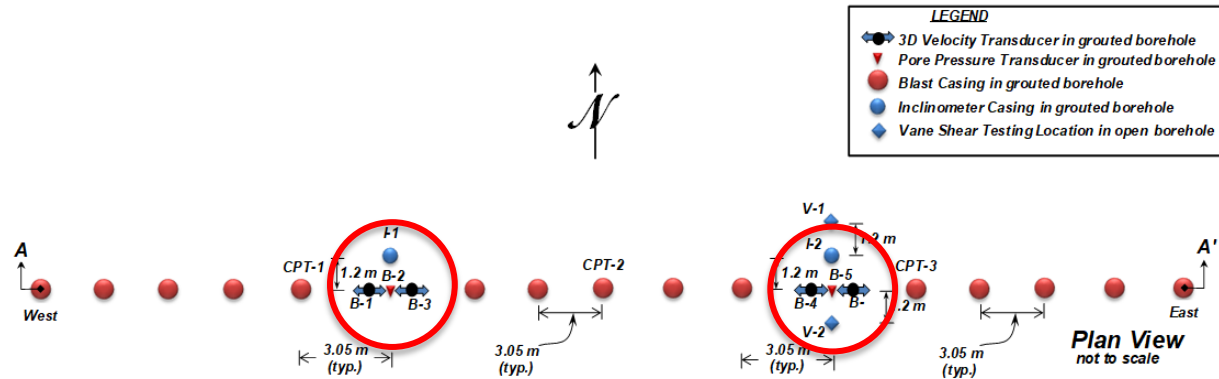


Silt Array



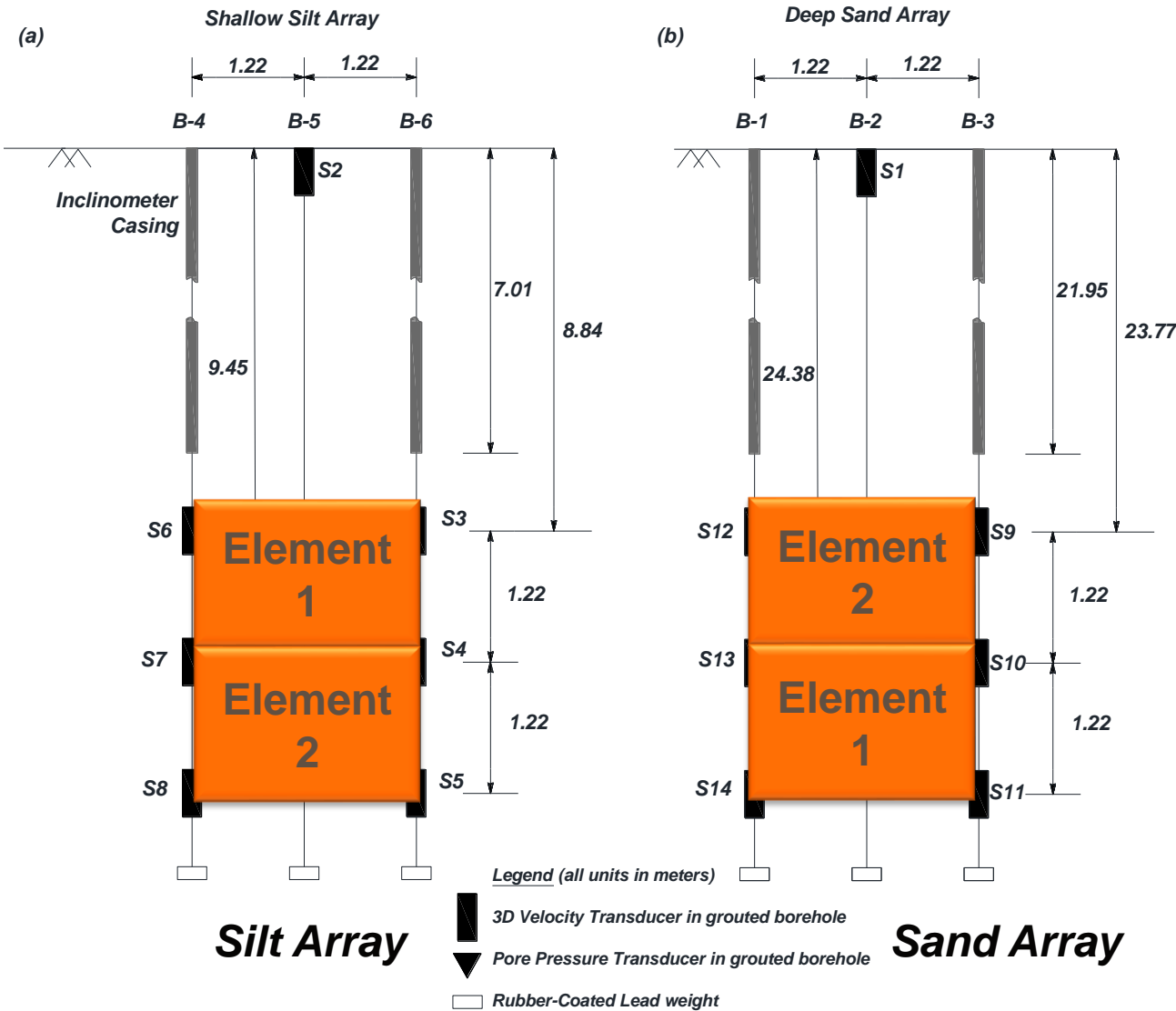
Plan View
not to scale

Instrumentation Program



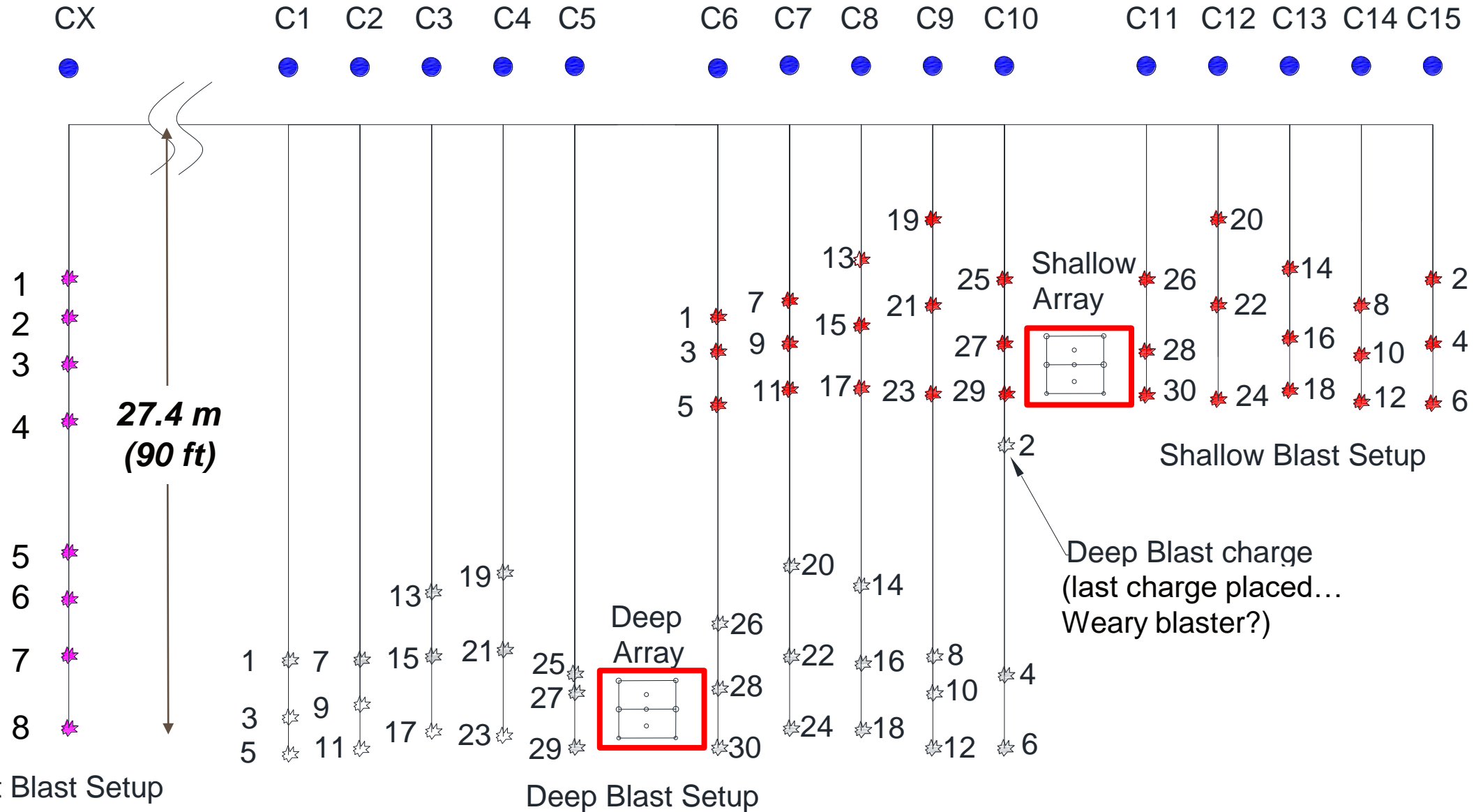
TX Geophones used to generate two "finite elements" to allow generate fundamental soil properties

Pore pressure transducers (PPTs) allow measurement of excess pore pressures

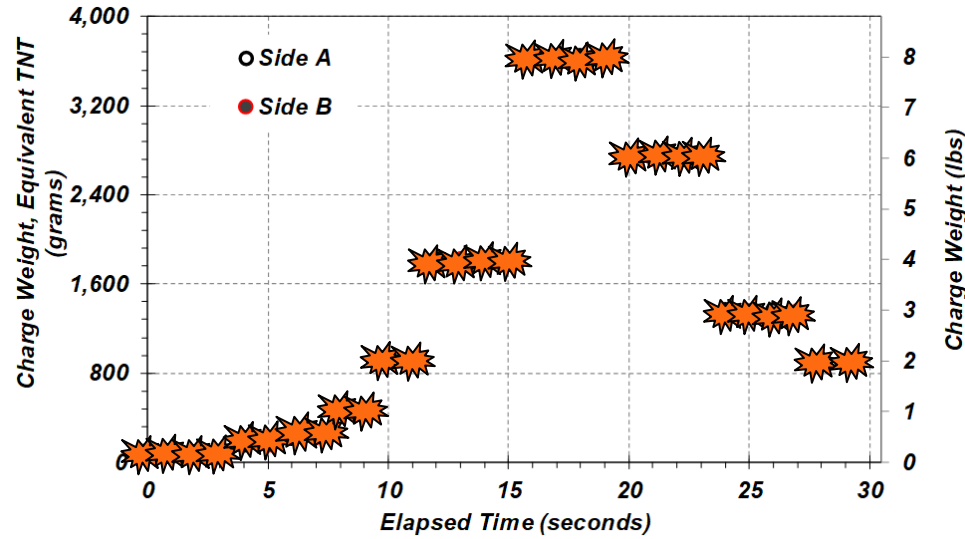


Geophone-Finite Element approach adapted from Prof. Ken Stokoe II, UT Austin




Experimental program (Elevation view of charge location)



Blast Sequence (Deep sand array)



LEGEND

-  3D Velocity Transducer
-  Pore Pressure Transducer
-  Blast Casing

