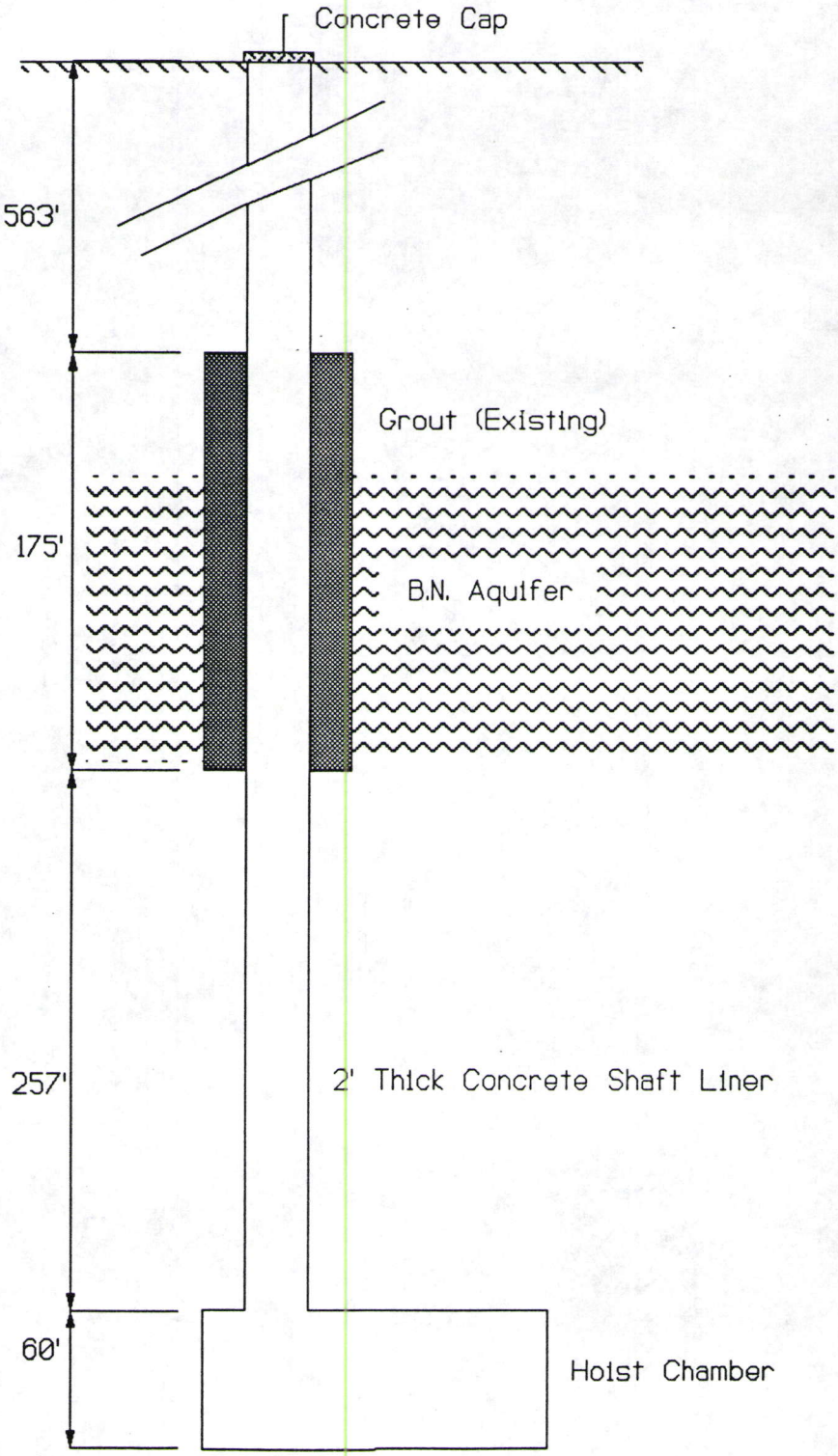
M/047/017

PRELIMINARY CLOSURE DESIGNS FOR WHITE RIVER OIL SHALE SHAFT

WROS 30' Shaft

Concrete Cap w/vent (Option 2)



Dimensions are approximate

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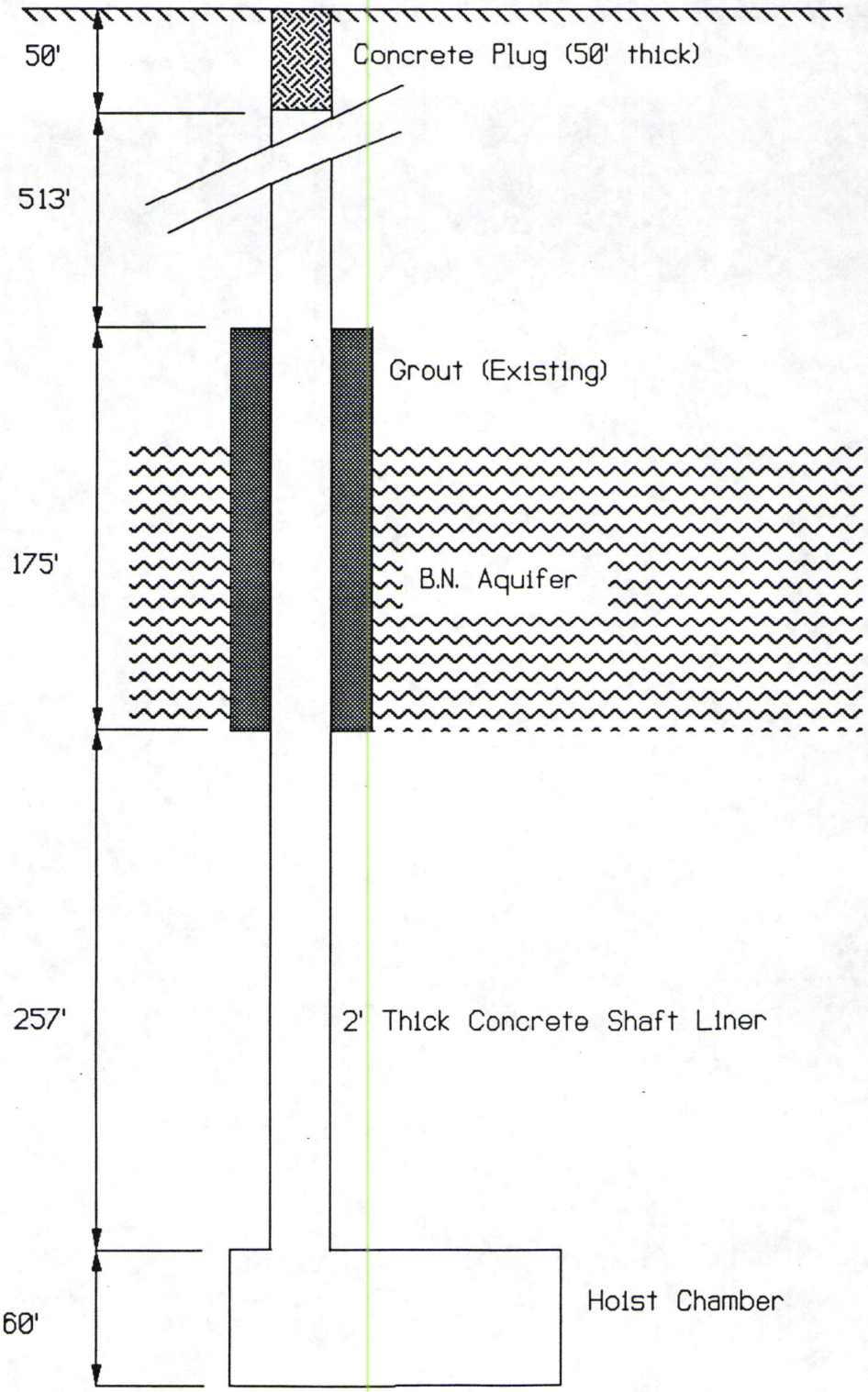
To Gary Hunter	From S. Perkes
Co.	Co.
Dept.	Phone #
Fax #	Fax #

WROS 30' Shaft

Top of Shaft Plug (Option 3)

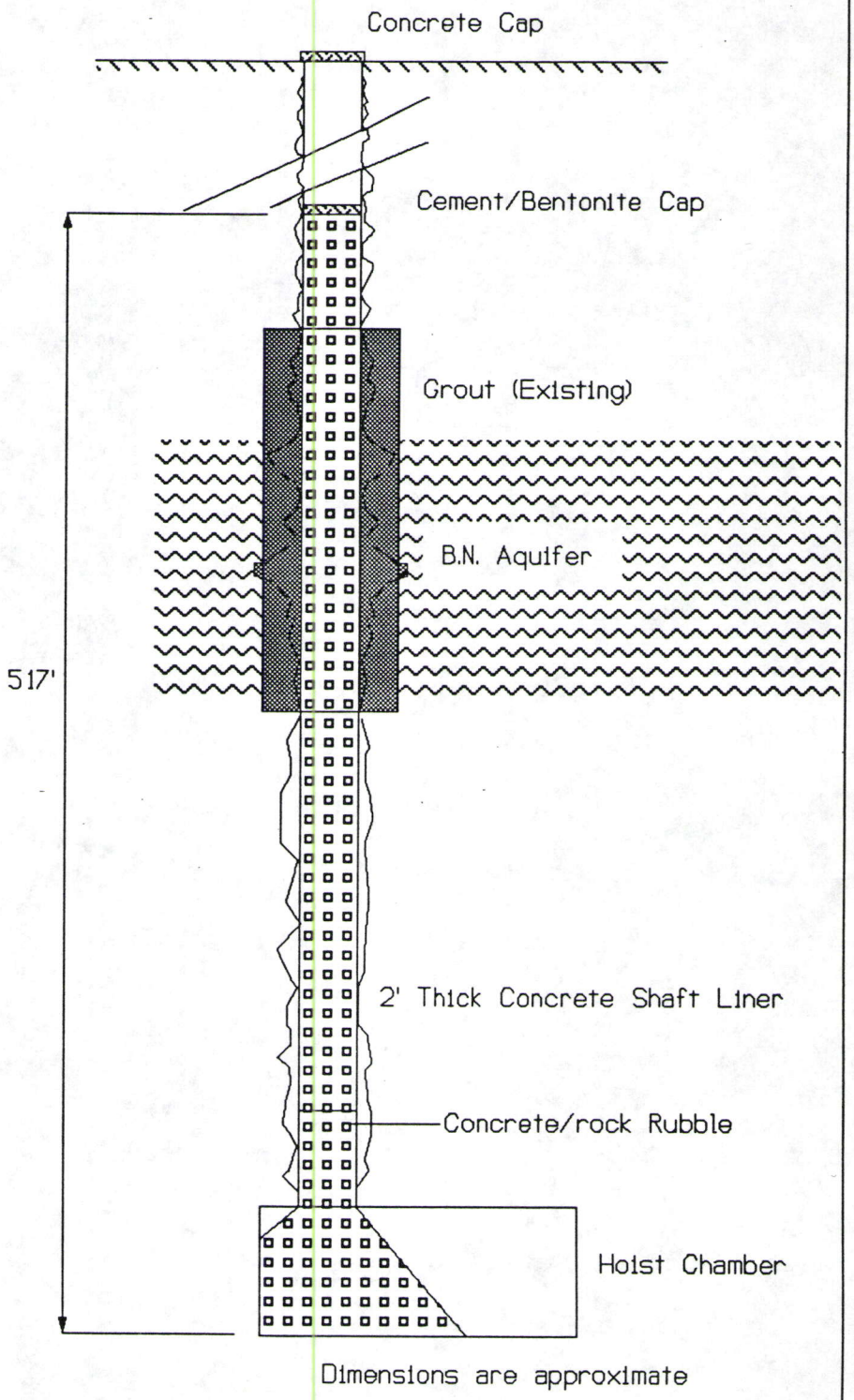


Dimensions are approximate

WROS 30' Shaft

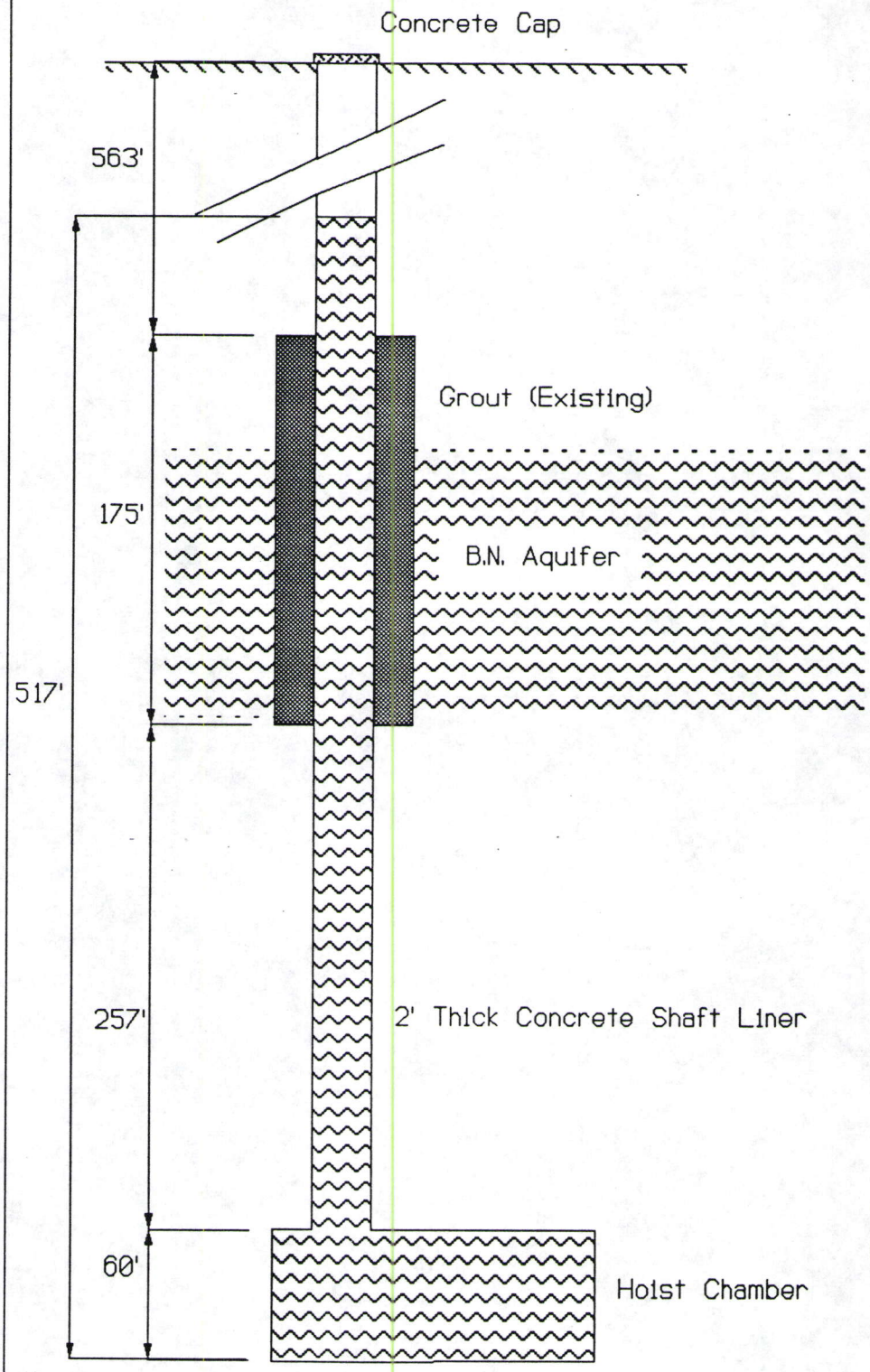
(All Shafts Typical)

Collapse Shafts (Option 4)



WROS 30' Shaft

Water Fill (Option 5)

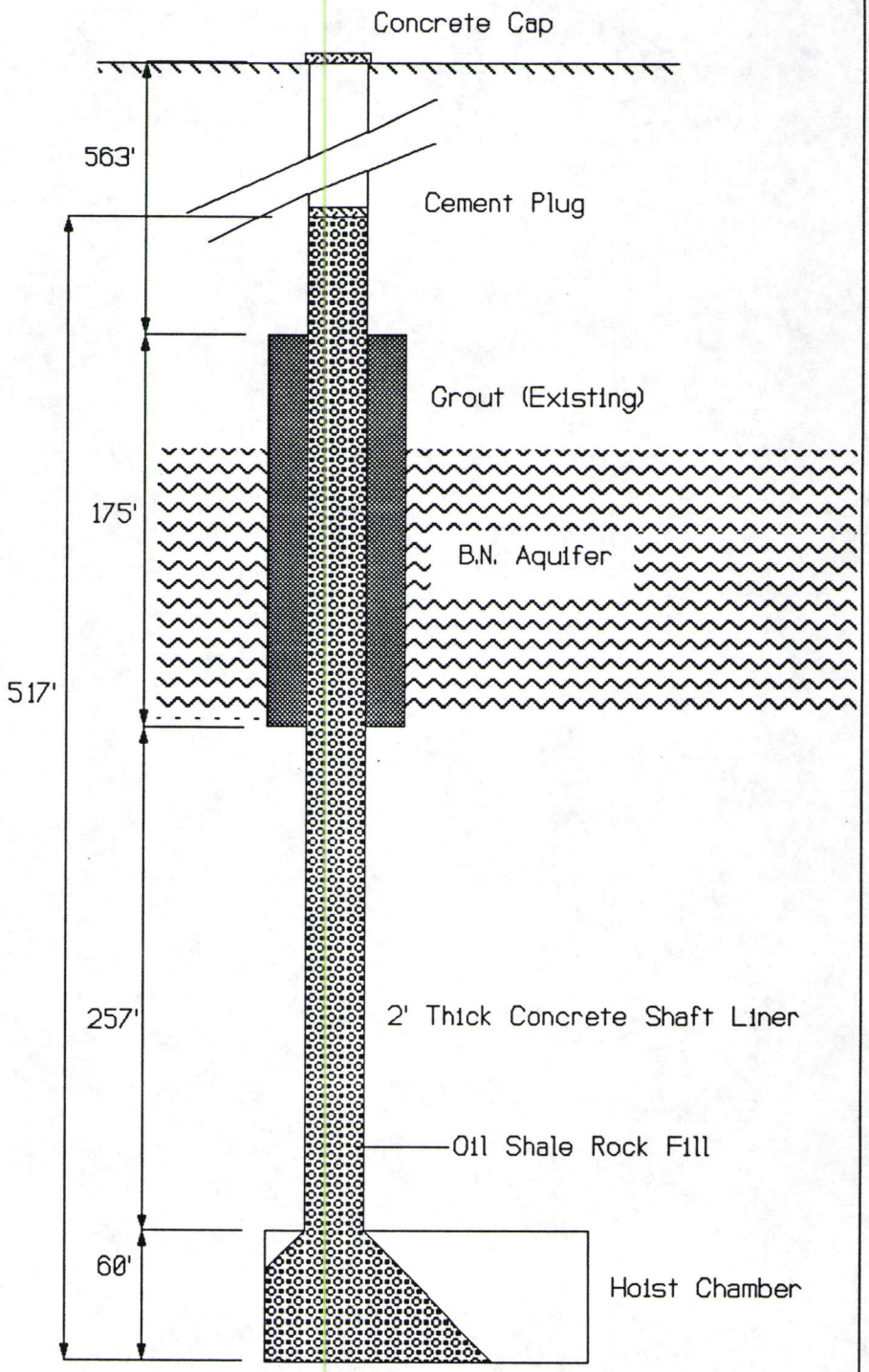


Dimensions are approximate

WROS 30' Shaft

(All Shafts Typical)

Oil Shale Fill (Option 6)

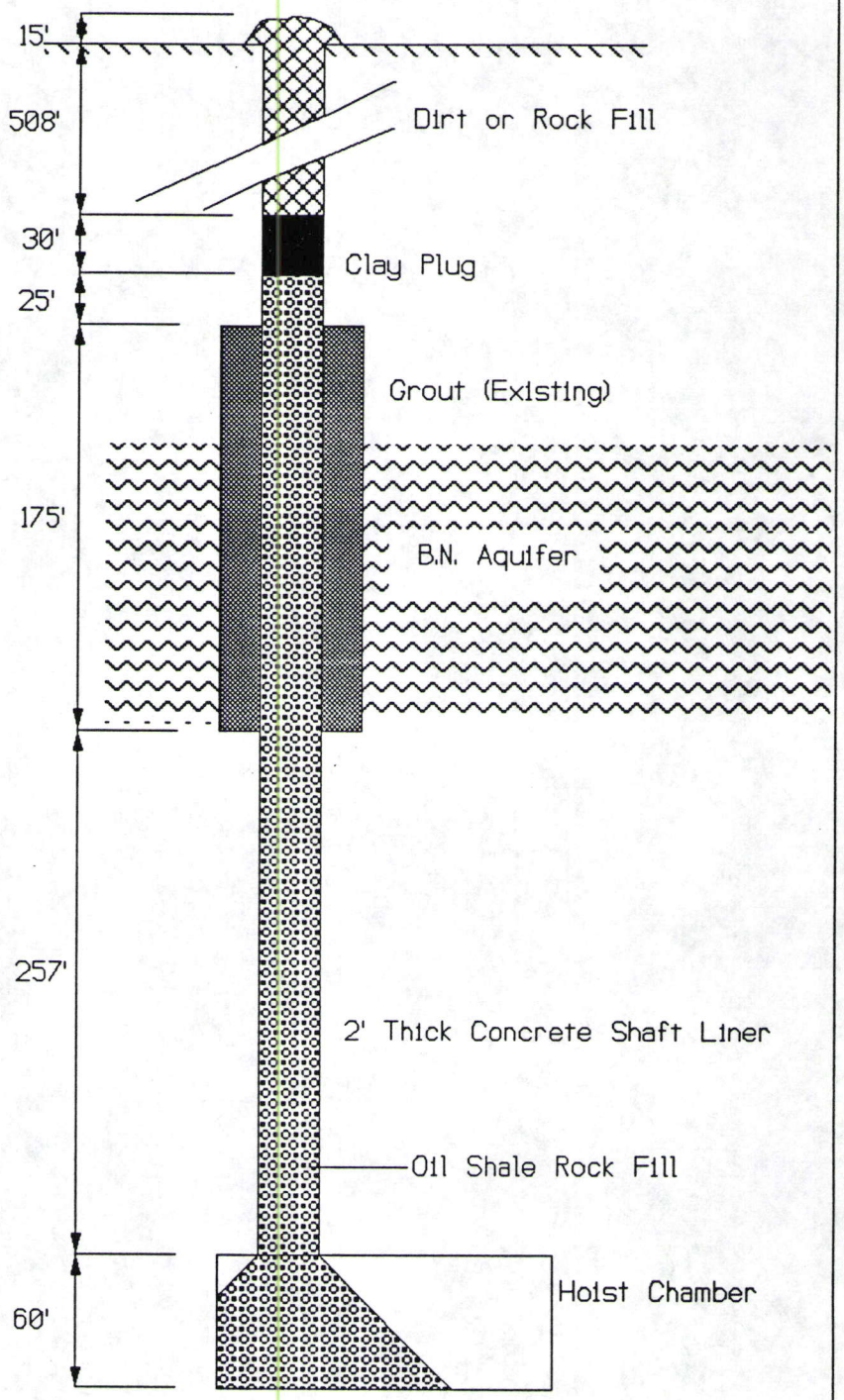


Dimensions are approximate

WROS 30' Shaft

(All Shafts Typical)

Oil Shale Fill (Option 6a)

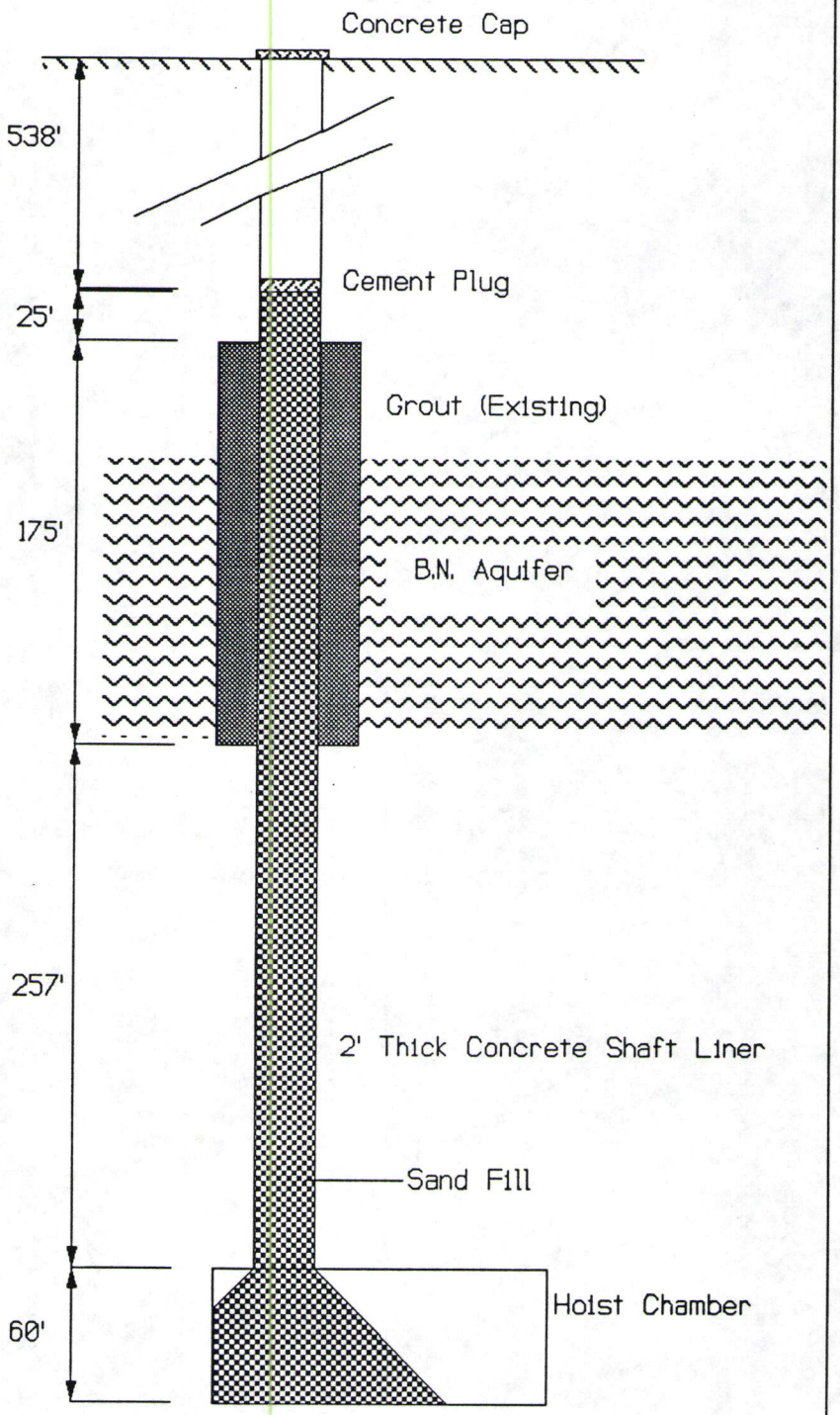


Dimensions are approximate

WROS 30' Shaft

(All Shafts Typical)

Sand Fill (Option 7)

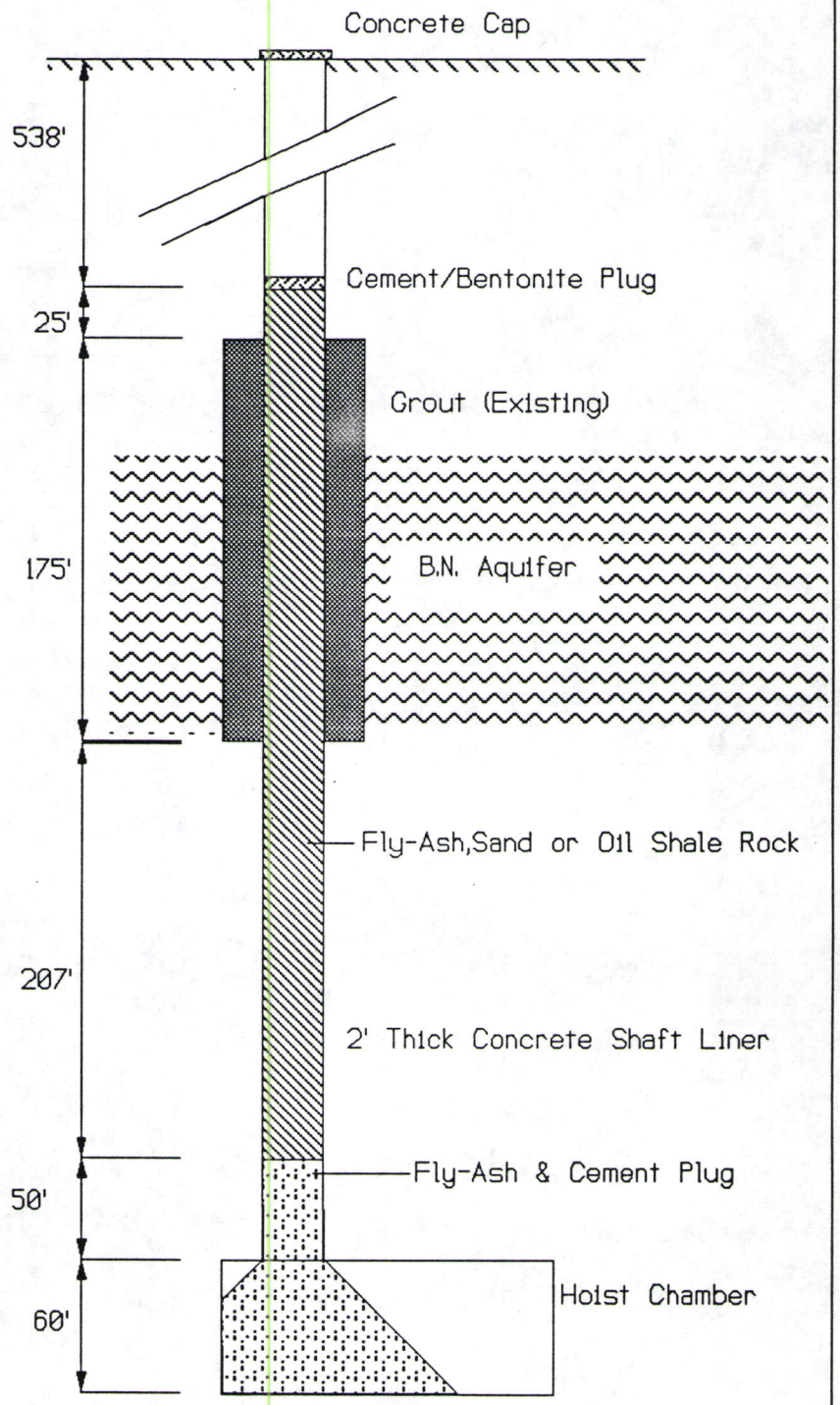


Dimensions are approximate

WROS 30' Shaft

(All Shafts Typical)

Fly-ash/Cement Fill (Option 8)

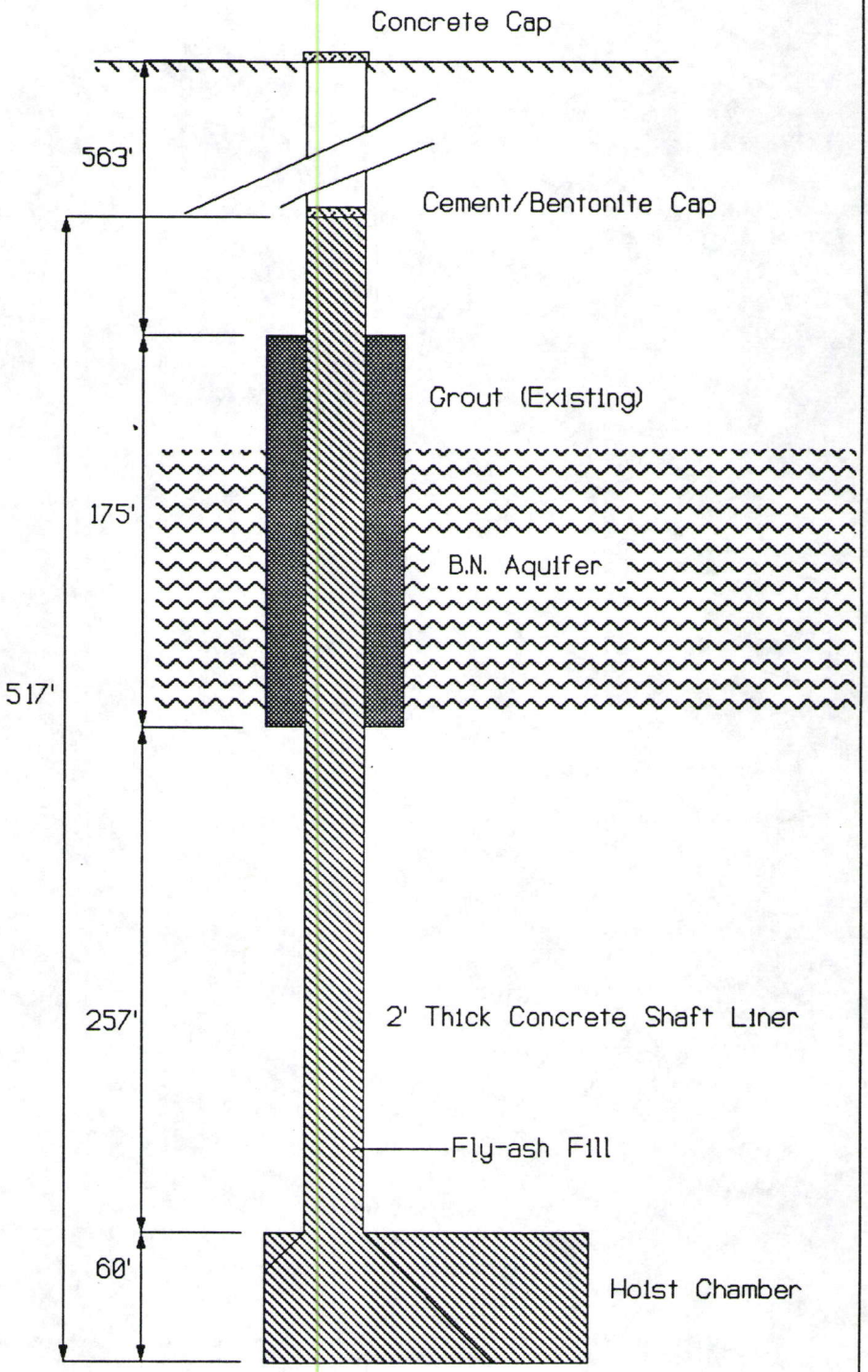


Dimensions are approximate

WROS 30' Shaft

(All Shafts Typical)

Fly-ash Fill (Option 9)



Dimensions are approximate