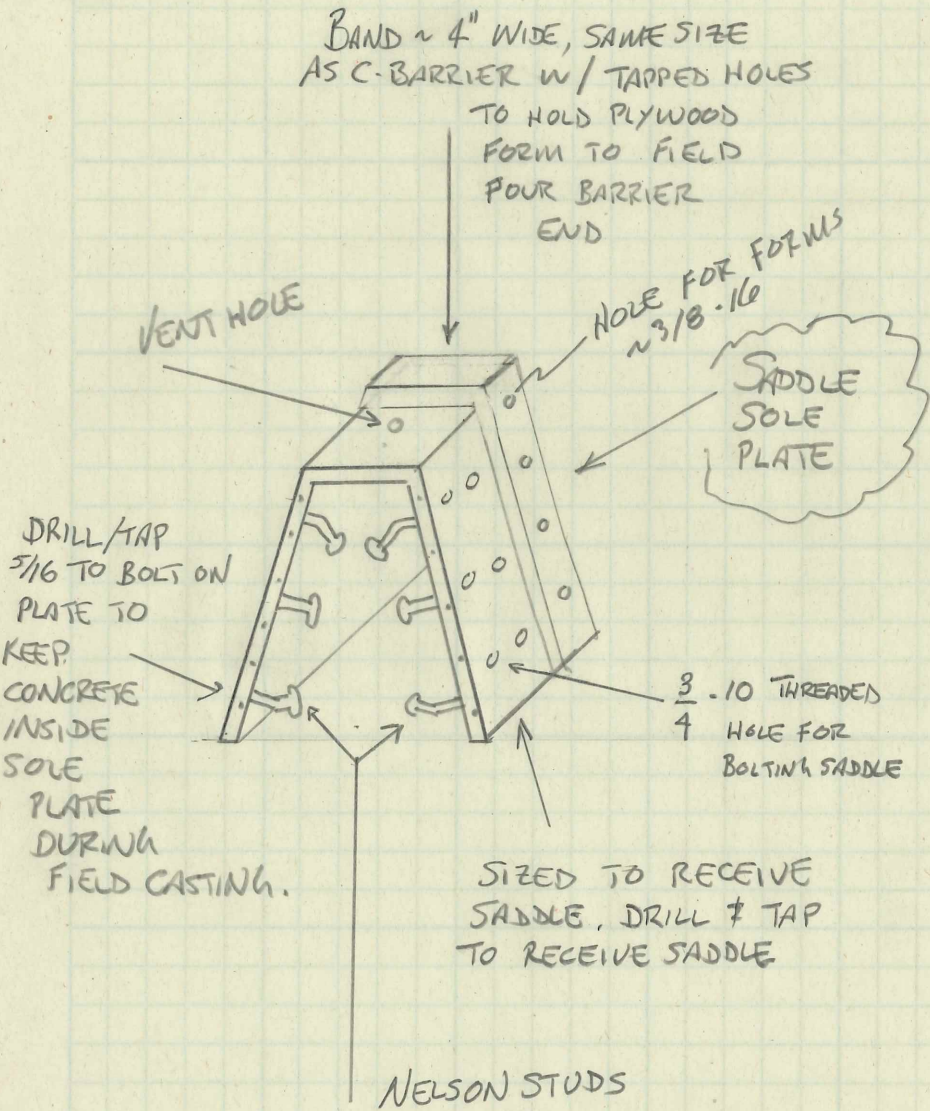


What if we made a sole plate (like gets cast into the end of a pre-stressed girder) and had them pre-bolted to the saddle. We could form it as a unit in the field and pour. Once the concrete was set up, with all the bolts already made up, they would be perfectly aligned and simple for future remove/reinstall for inlet cleaning. It would be quick enough to install and pour several over a weekend and avoid the precast option requiring aligning rebar into pockets and grouting etc. With steel to steel connections, maybe 3/4 inch bolts could be used. What do you think? It could be drilled and tapped to receive a plywood form which would be really simple with a straight sided barrier. This would combine the tight tolerances of steel erection with the flexibility of shimming and pouring something in the field to anchor it in place. It would also allow everything to be perfectly aligned before the concrete sets.

BARRIER SADDLE & SADDLE SOLE PLATE.

E. J. JOHNSON

11-9-17



SADDLE TO BE BOLTED TO 2 SADDLE SOLE PLATES IN SHOP. BROUGHT OUT TO FIELD & PLACED OVER INLET RESTING ON 4x4 LUMBER. RE-STEEL EPOXIED INTO EXISTING BARRIER EXTENDS INTO SOLE PLATE SECTION. COVER PLATE GOES OVER END OF SADDLE W/ 5/16 BOLTS TO KEEP WET CONCRETE IN DURING POUR. THIS CAN POUR & SET WITH SADDLE IN PLACE, ALL BOLTS ALIGNED ETC & WALK AWAY. STRIP FORMS NEXT NIGHT?

NELSON STUDS