CONSTRUCTION NOTES:

1. Square steel plate. 12" x 12" x 0.375" thick.

2. Black steel pipe support tube. 2.5" diameter x 14" long x 0.375" wall thickness.

3. Stainless steel (316 alloy) all thread rod. 2.0" diameter x 18" long. Tack weld to top hex nut.

4. Heavy hex head steel (304 alloy) nut.

5. Black steel flat bar stock. 1" wide x 12" long x 0.375" thick. Fillet weld to hex nut, one face, each nut. Delete in wastewater pump station applications.

6. Saddle support. Steel pipe bent open to accommodate same size pipe or rolled steel flat bar to match supported pipe or fitting flange O.D. 3" minimum width x 12" rolled length. Fillet weld hex nut to bottom of saddle support.

7. Install base plate on leveling course of high strength epoxy cement compound.

8. Coat threads with liberal amount of anti-seize compound.

9. Drill concrete pad or vault floor and mount base plate with 4 each. ½" stainless steel concrete anchor bolts. See base plate template.

10. Tighten double hex nuts snug against support tube. Use 60 ft. lbs. torque.

11. Tack weld all thread rod to heavy hex nut under support saddle.

12. Red head™ stainless steel concrete anchor bolt. ½" diameter x 4" long.

13. ½" stainless steel hex head anchor nut. Red head or approved equal.

14. 1" x ½" heavy stainless steel washers. Double stack on top of support plate.

GENERAL NOTES:

1. All pipe support components shall be hot dip galvanized after fabrication, with the exception of the all thread rod.

2. All pipe support components except the all thread rod shall be painted after field installation with an Alkyd Enamel paint system consisting of a 2 mil primer coat and 2. a 2 mil coat of high gloss enamel. Color shall be white, red or blue and shall match the supported piping & fittings.

3. Pipe supports shall be installed on all backflow prevention assemblies and as indicated for all vault installations. Refer to standard drawings STD-513, STD-514 & 3. STD-521.

4. For an alternatives pipe support contact the Utilities Department representative.

CITY OF NEWPORT BEACH
PUBLIC WORKS DEPARTMENT

PIECE SUPPORT ASSEMBLY

RCE NO. 36106

DRAWING NO. STD-522-L

M. Elias

STD Drainage STD-522 Wastewater