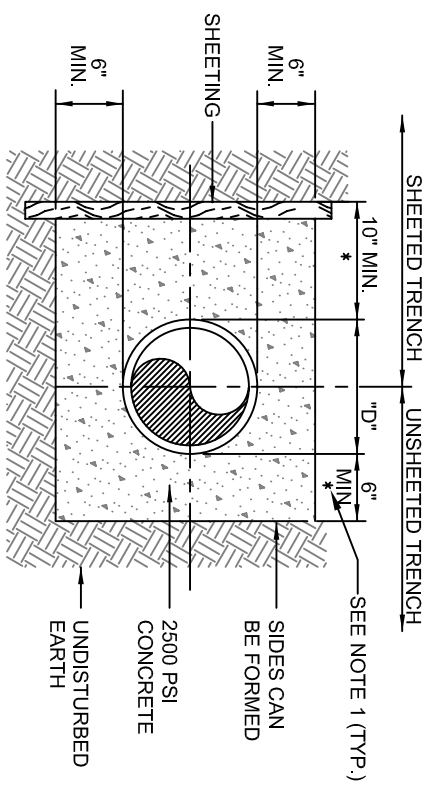


**CITY OF WINTER PARK**  
**WATER & WASTEWATER UTILITY DEPARTMENT**  
**REFERENCE THE "WATER & WASTEWATER UTILITY STANDARDS, SPECIFICATIONS & DETAILS MANUAL"**

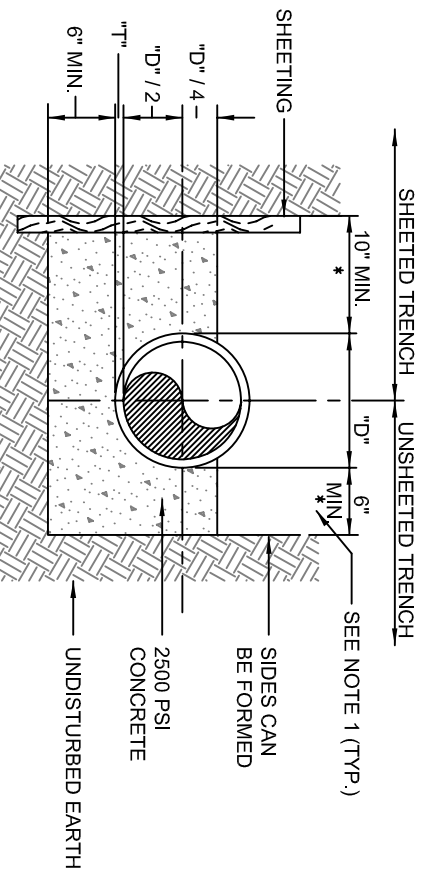
DATE: January 2, 2008

SCALE: N.T.S.

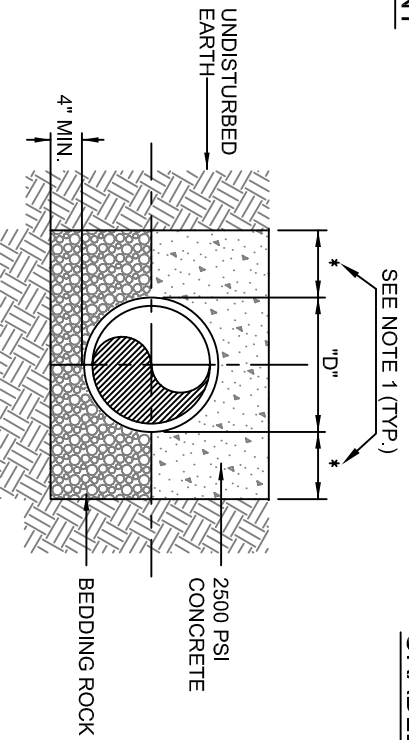
**CONCRETE ARCH AND ENCASUREMENT**  
**(PRIOR APPROVAL REQUIRED)**



**FULL ENCASUREMENT**



**CRADLE OR HALF ENCASUREMENT**



**CONCRETE ARCH**

**NOTES:**

1. (\*): 15" MAXIMUM FOR PIPE DIAMETER LESS THAN 24", AND 24" MAXIMUM FOR PIPE DIAMETER 24" AND OVER.
2. "D" REFERS TO THE DIAMETER OF THE PIPE.
3. "T" REFERS TO THE THICKNESS OF THE PIPE.
4. USE OF CONCRETE ARCH HALF ENCASUREMENT OR FULL ENCASUREMENT TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE CITY.
5. PVC OR DUCTILE IRON PIPE SHOULD BE WRAPPED IN VISQUINE IF ENCASED IN CONCRETE.