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| REV:         |      |
| PREPARED BY: |      |
| CHECKED BY:  |      |
| DATE:        |      |
| REV:         | 1    |
| PREPARED BY: | PS   |
| CHECKED BY:  | TR   |
| DATE:        | 6/07 |
| REV:         | 0    |
| PREPARED BY: | ESM  |
| CHECKED BY:  | CWB  |
| DATE:        | 6/01 |

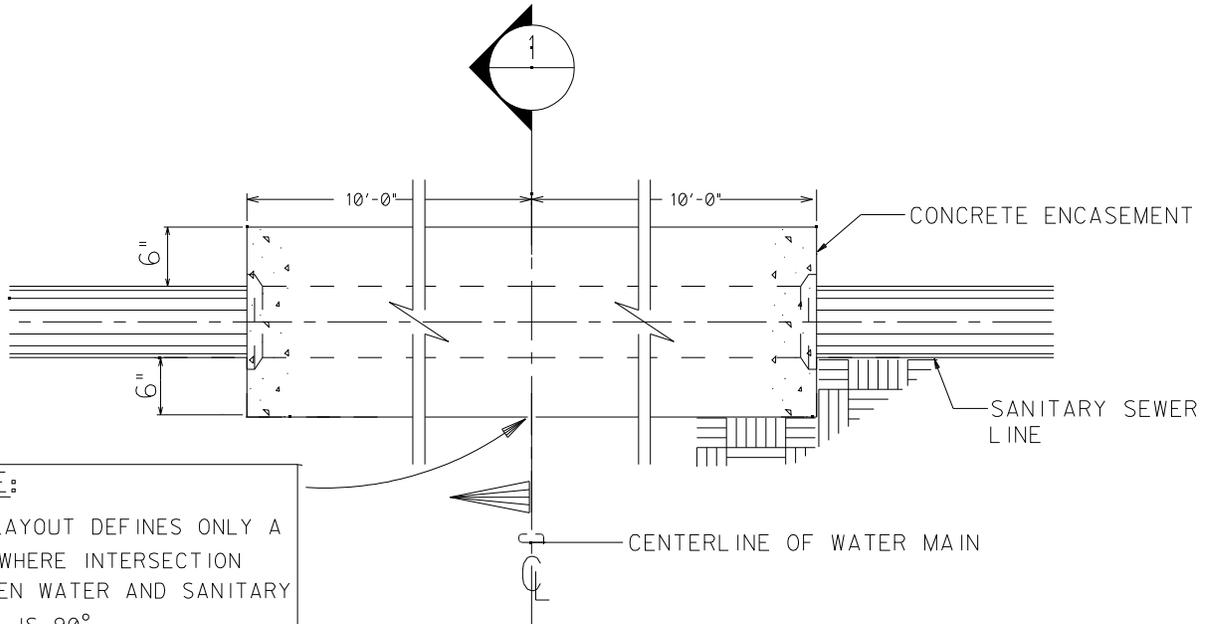
SANDIA NATIONAL LABORATORIES  
FACILITIES ENGINEERING

DRAWING NO.:  
**WS1001**

SCALE:  
**NONE**

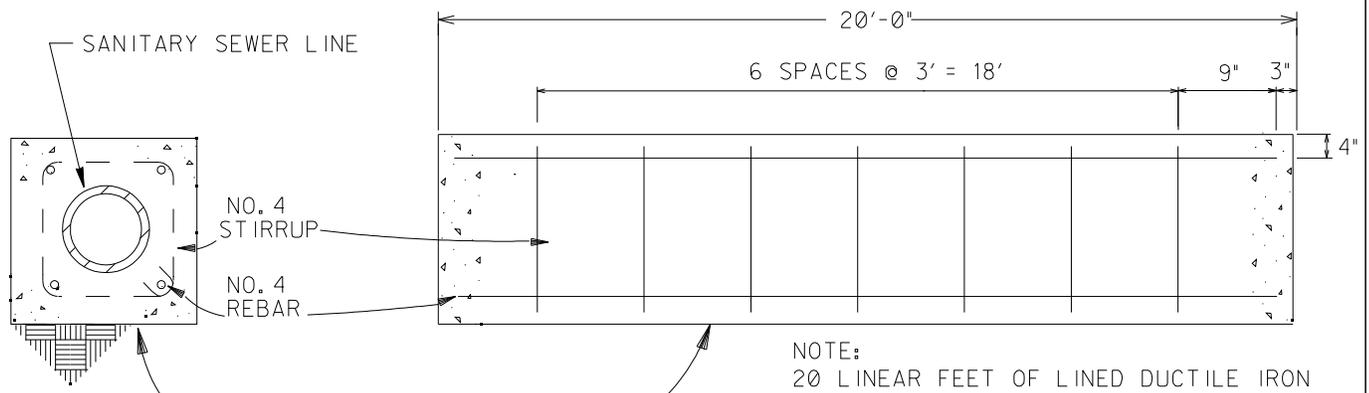
**CIVIL  
DISCIPLINE**

**SEWER ENCASEMENT DETAIL**



**NOTE:**  
THIS LAYOUT DEFINES ONLY A CASE WHERE INTERSECTION BETWEEN WATER AND SANITARY SEWER IS 90°.

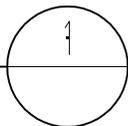
PLAN - CONCRETE ENCASEMENT



**NOTE:**  
20 LINEAR FEET OF LINED DUCTILE IRON PRESSURE RATED SANITARY SEWER WITH PRESSURE TYPE JOINTS MAY BE USED IN LIEU OF THE CONCRETE ENCASEMENT. TRANSITIONS FROM D.I.P. TO EXISTING SANITARY SEWER PIPE SHALL HAVE 12" WIDE CONCRETE COLLARS.

6" MINIMUM COVER ON PIPE  
3" MINIMUM COVER ON REBAR

SECTION



REINFORCEMENT LAYOUT