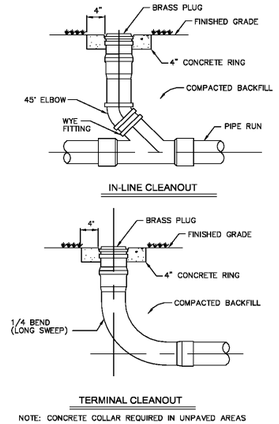
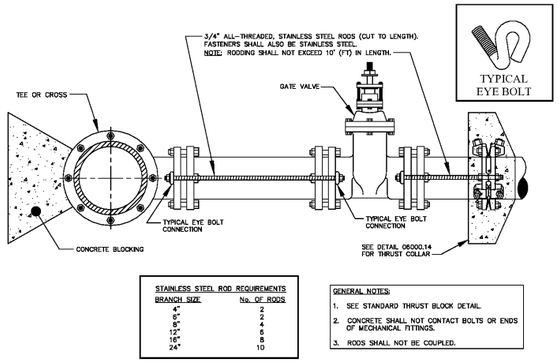


NOTE: CONCRETE COLLAR REQUIRED IN UNPAVED AREAS

1 C4.1 CLEAN OUT DETAIL

SCALE: N.T.S.



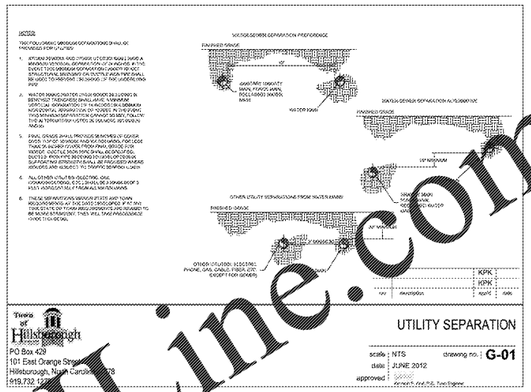
STAINLESS STEEL ROD REQUIREMENTS	
BRANCH SIZE	No. OF RODS
4"	2
6"	2
8"	4
12"	6
16"	8
24"	10

GENERAL NOTES:

1. SEE STANDARD THRUST BLOCK DETAIL.
2. CONCRETE SHALL NOT CONTACT BOLTS OR ENDS OF MECHANICAL FITTINGS.
3. RODS SHALL NOT BE COUPLED.

2 C4.1 TAPPING SLEEVE AND VALVE

SCALE: N.T.S.



NOTES:

1. TRENCHES REQUIRING SHORING AND BRACING, DIMENSIONS SHALL BE TAKEN FROM THE INSIDE FACE OF THE SHORING AND BRACING.
2. NO ROCKS OR BOULDERS 4" OR LARGER TO BE USED IN INITIAL BACKFILL.
3. ALL BACKFILL MATERIAL SHALL BE SUITABLE NATIVE MATERIAL.
4. BACKFILL SHALL BE TAMPED IN 6" LAYERS IN TRAFFIC AREAS, 12" IN NON-TRAFFIC AREAS.

TRENCH BOTTOM DIMENSIONS, BACKFILLING REQUIREMENTS FOR DUCTILE IRON, VITRIFIED CLAY AND REINFORCED CONCRETE PIPE

4 C4.1 SCALE: N.T.S.

N/0000/CIVIL/SPECIFIC DETS-HILLSBOROUGH/HILLSBOROUGH DETS-NEW

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Classroom Addition
Orange County Schools
1125 New Grady Brown School Road
Hillsborough, North Carolina

no.	revisions

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drawn checked

C4.1

sheet

UTILITY DETAILS

project no. 1716

date 04/25/19