

**STORM DRAINAGE INSTALLATION  
GENERAL NOTES**

1. All workmanship and materials shall be in accordance with City of Centralia Standards and the most current copy of the WSDOT/APWA Standard Specifications for Road, Bridge and Municipal Construction.
2. Temporary erosion/pollution measures shall be required for the duration of the project.
3. The contractor must comply with all permits and other requirements of the City of Centralia or other governing authority or agency.
4. A preconstruction meeting shall be held with the City of Centralia prior to the start of staking.
5. All storm sewer mains, appurtenances and retention/detention areas shall be staked for grade and alignment by an engineering or surveying firm capable of performing such work. All vertical control shall be established using the 1988 USGS Datum. Staking shall be inspected by the City prior to the start of construction and shall be maintained throughout construction.
6. Storm drain pipe shall meet the following requirements (use only those which apply):
  - A. Plain concrete pipe conforming to AASHTO M 86, Class 2.
  - B. reinforced concrete pipe conforming to AASHTO M 170.
  - C. PVC pipe conforming to ASTM D 3034 SDR 35, ASTM F 794 or ASTM F 679. Type 1 with joints and gaskets conforming to ASTM 3212 and ASTM F 477.
  - D. Ductile iron pipe conforming to AWWA C 151, thickness class as shown on plans.
7. Special structures, oil/water separators and outlet controls shall be installed per plans and manufacturers recommendations.
8. Provide traffic control plan(s) as required in accordance with MUTCD.
9. Call the Underground Location Center at 1-800-424-5555 a minimum of 48 hours prior to any excavation.
10. Where connections require "field verifications", connection points will be exposed by the contractor and fittings field verified 48 hours prior to starting construction.
11. All Storm lines will be high-velocity cleaned and pressure tested in accordance with Division 7 of the WSDOT Standard Specifications prior to paving in conformance with the above-referenced specifications. (See Note 1 ). Hydrant flushing of lines is not an acceptable cleaning method.
12. Testing of the Storm main will include Television inspection of the main at the contractor's expense. Immediately prior to tv inspection enough water will be run down the line to flush it clean. Acceptance of the line will be made after tv inspection tape has been reviewed and approved by the inspector. A water test of all manholes is also required. Testing will take place after all underground utilities are installed and compaction of the roadway subgrade is completed.

<i>APPROVED BY</i>	<i>REVISED DATE</i>	<b><i>CITY OF CENTRALIA</i></b>	
<i>CITY ENGINEER</i>	<b><i>06/2017</i></b>	<b><i>STORM DRAINAGE INSTALLATION GENERAL NOTES</i></b>	<b><i>1 of 1</i></b>