

GENERAL

GENERAL NOTES

- All construction shall be in strict accordance with the construction standards of the Town of Addison and governed by the North Central Texas Council of Government's (NCTCOG) Standard Specifications for Public Works Construction, 3RD Edition.
- In case of conflict or contradictions between the construction standards of the Town of Addison and the NCTCOG specifications, the construction standards of the Town of Addison preside.
- All water system installation details shall meet current Texas Commission on Environmental Quality (TCEQ) Title 30, Chapter 230 (Water Hygiene) regulations, American Water Works Association (AWWA) standards and manufacturer's recommendations.
- The location of underground facilities indicated on the plans is taken from public records. It is the CONTRACTOR'S responsibility to make arrangements with the owners of such underground facilities prior to working in the area to confirm their exact location and to determine whether any additional facilities other than those shown on the plans may be present. The CONTRACTOR shall preserve and protect all underground facilities.
- Where existing utilities or service lines are cut, broken or damaged, the CONTRACTOR shall replace or repair the utilities or service lines with the same type of original material and construction, or better, unless otherwise shown or noted on the plans, at his own cost and expense. The CONTRACTOR shall immediately notify the Town of once of any conflicts in grades and alignment.
- For franchise utility locator services, call 1-800-DIG-TESS.
- The CONTRACTOR shall restore all areas disturbed by construction to original condition or better. Restored areas include, but are not limited to trench backfill, side slopes, fences, culvert pipes, drainage ditches, irrigation, sodding or seedings, driveways, private yards and roadways.

PIPE

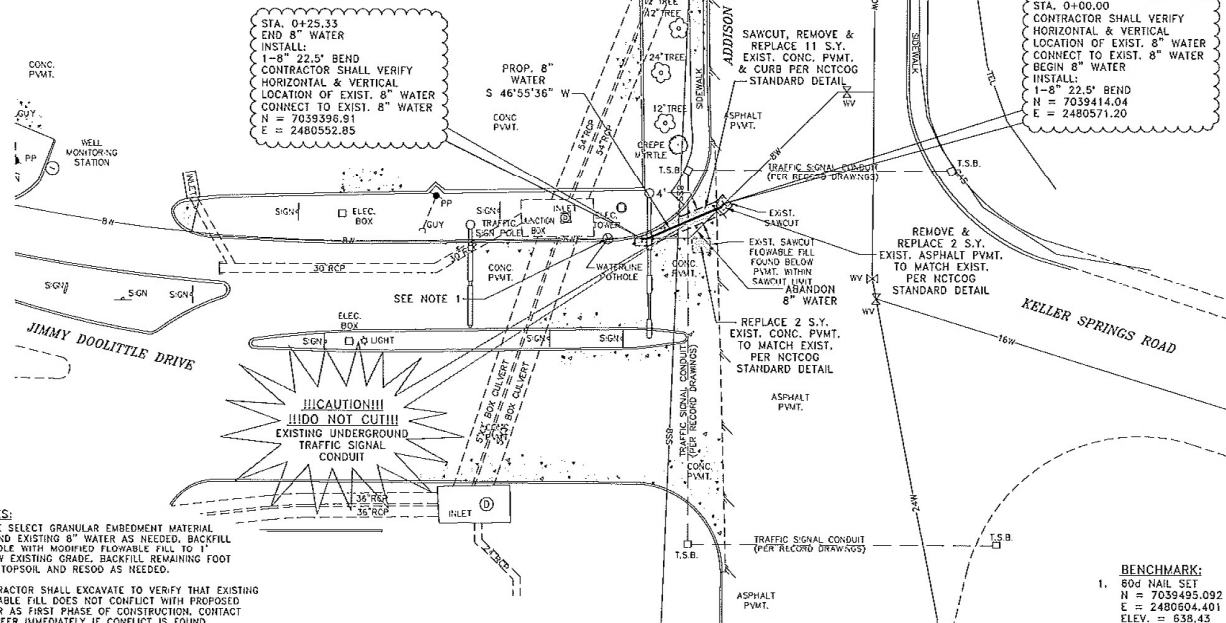
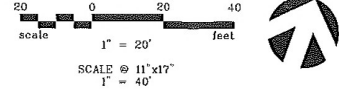
- All water mains shall be ANSI/AWWA C-900 PVC Pressure pipe with cast iron O.D. Pipe joints shall be rubber ring and integral thickened bell, assembled with a factory supplied lubricant. Water mains shall have a minimum class rating of 150-psi. Joint material for PVC shall conform to ASTM F471.
- Embedment shall comply with NCTCOG Class "B+" embedment. A layer of geo-textile fabric shall be placed on top of the stone prior to the placement of the select or granular material. Finish backfill shall be native soil free of oil rocks and clods greater than three inches (3") in diameter, compacted in six-inch (6") maximum loose lifts to a minimum of 95% Standard Proctor. Density of zero to three percent (3%) of optimum moisture. Trenches under pavement shall be backfilled with flowable fill with a minimum compressive strength of 400psi to the level indicated by the pavement thickness. A batch design shall be submitted for any flowable fill used within the public rights-of-way.

FITTINGS

- All DI fittings are to be Mueller brand or approved equal. All ductile iron or cast iron fittings shall be polywrapped per AWWA C105.
- All fittings, valves, etc. shall be blocked with 3000 PSI concrete. All blocking shall be poured to avoid nuts and bolts.
- All fittings, shall be ductile iron, full bodied, mechanical joint type and meet current AWWA specifications (C110, C153, C502, C509) with a minimum pressure rating of 250 PSI.
- All fittings shall be secured with a mechanical joint restraint such as Megalug or approved equal.

SAFETY

- All contractors and developers, with their employees and agents, shall comply with all applicable federal, state and local safety laws and regulations including but not limited to the Occupational Safety and Health Act of 1970, ordinances, rules, regulations and orders or any public authority having jurisdiction for the safety of persons or property to protect them from damage, injury or loss. The contractor shall provide, erect and maintain, as required by existing conditions and progress of the work, all reasonable safeguards for safety and protection, including providing and maintaining signs in accordance with the most current Barricade and Construction Standards from the Texas Manual of Uniform Control Devices (and other such barricades and signs as deemed necessary by the Town Engineer), promulgated safety regulations and notifying owners and users of adjacent utilities. Safety precautions shall include but not be limited to compliance with all federal, state and local standards, laws, ordinances and standards for design and implementation of trench safety, confined space, traffic control, and utility notification.
- All excavation and trench operations shall be in accordance with 29 CFR Part 1926 Subpart P and all applicable Town and State regulations. Prior to commencing any excavation or trenching operation, the contractor shall submit to the Town Engineer an affidavit identifying the "Competent Person" as required by paragraph 1926.651(k)(1) that will work with each crew.



- NOTES:
- PLACE SELECT GRANULAR EMBEDMENT MATERIAL AROUND EXISTING 8" WATER AS NEEDED. BACKFILL POTSOLE WITH MODIFIED FLOWABLE FILL TO 1" BELOW EXISTING GRADE. BACKFILL REMAINING FOOT WITH TOPSOIL AND RESOD AS NEEDED.
  - CONTRACTOR SHALL EXCAVATE TO VERIFY THAT EXISTING FLOWABLE FILL DOES NOT CONFLICT WITH PROPOSED WATER AS FIRST PHASE OF CONSTRUCTION. CONTACT ENGINEER IMMEDIATELY IF CONFLICT IS FOUND.

SUMMARY OF QUANTITIES

ITEM NO	DESCRIPTION	UNITS	BID TOTAL
1	SAWCUT, REMOVE & DISPOSE CONCRETE PAVEMENT	LF	11
2	SAWCUT, REMOVE & DISPOSE ASPHALT PAVEMENT	SY	2
3	CONSTRUCT 6" INTEGRAL CONCRETE CURB	LF	14
4	CONSTRUCT 4500 P.S.I. CONCRETE PAVEMENT	SY	13
5	CONSTRUCT ASPHALT PAVEMENT	SY	2
6	CONNECT TO EXISTING WATER	EA	2
7	FURNISH & INSTALL 8" C-900 CLASS 150 PVC WATER BY OPEN CUT	SY	25
8	FURNISH AND INSTALL DUCTILE IRON FITTINGS	EA	4
9	FURNISH AND INSTALL FLOWABLE FILL FOR WATER	LF	25
10	BACKFILL POTSOLE	LS	1
11	TRAFFIC CONTROL PLAN	LS	1
12	TRENCH SAFETY	LF	25

