

PARTIAL WATERLINE EXTENSION

GENERAL CONSTRUCTION NOTES:

1. CONSTRUCTION MATERIALS AND METHODS OF CONSTRUCTION SHALL CONFORM TO THE NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS (NCTCOG) STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
2. CONTRACTOR SHALL VISIT THE SITE AND VERIFY EXISTING CONDITIONS PRIOR TO PREPARATION OF BID.
3. REFER TO "STANDARD DETAIL SHEETS" FOR ADDITIONAL CONSTRUCTION DETAILS AND NOTES.
4. EACH LOT HAS A 15' DRAINAGE AND UTILITY EASEMENT ACROSS THE FRONT. UTILITY EASEMENTS TO BE DEDICATED TO THE CITY OF ROCKWALL.

UTILITY CONSTRUCTION NOTES:

1. CONSTRUCTION MATERIALS AND METHODS OF CONSTRUCTION SHALL CONFORM TO THE MT. ZION WATER SUPPLY CORPORATION STANDARD CONSTRUCTION DETAILS AND THE NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS (NCTCOG) STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
2. ALL WATER MAINS SHALL BE AWWA C-900 PVC PIPE, CLASS 200. ALL WATER SERVICES SHALL BE 1" WITH CURB STOP AND CORRUGATED METAL METER BOXES WITH SLOT. LOCATE SERVICES AT LOT LINES OF LOT. SERVICE TO BE POLYETHYLENE SDR 9 CLASS 200. CLASS C+ EMBEDMENT. ALL WATER LINES TO BE INSPECTED BY THE CITY OF ROCKWALL.
3. ALL UTILITY TRENCHES SHALL BE TAMPED SO THAT COMPACTION MEETS A MINIMUM OF 95% STANDARD PROCTOR DENSITY (90% OUTSIDE OF ROADWAY RIGHTS-OF-WAY).
4. THE CONTRACTOR SHALL BE REQUIRED TO FURNISH REFERENCES TO WATER SUPPLY CORPORATION TO EXTEND FOR ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE OF THE SYSTEM BY THE CORPORATION.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING "AS-BUILT" PLANS TO THE ENGINEER SHOWING THE LOCATION OF NEW WATER AND SEWER LINES AND SERVICES. THIS INFORMATION SHALL BE PLACED ON THE ENGINEERING PLANS AND MARKED "AS-BUILT" BY THE ENGINEER. COPIES OF THESE "AS-BUILT" PLANS SHALL BE FURNISHED TO THE CITY AND WATER CORPORATION AS REQUIRED BY THE WATER SUPPLY CORPORATION.
6. WATER MAINS SHALL HAVE A MINIMUM COVER OF 42" OVER THE TOP OF THE PIPE.
7. GATE VALVES SHALL BE MUELLER RESILIENT WEDGE 200 TEST OR APPROVED EQUAL AND CONFORM TO AWWA C-550, C-509 AND NSF 61.
8. FIRE HYDRANTS SHALL BE MUELLER THREE-WAY STANDARD THREAD OR APPROVED EQUAL WITH VALVE IN LEAD.
9. CONTACT UTILITY COMPANIES 48 HOURS PRIOR TO WORKING IN THE EASEMENTS.
10. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES.
11. THE CONTRACTOR SHALL SUBMIT A TRENCH SAFETY PLAN AND SHORING DETAIL TO THE ENGINEER PRIOR TO BEGINNING CONSTRUCTION.
12. CONSTRUCTION SHALL BE INSPECTED BY A REPRESENTATIVE OF THE CITY OF ROCKWALL.
13. THE OWNER SHALL NOTIFY THE WATER SUPPLY CORPORATION WHEN PIPE AND MATERIALS ARE DELIVERED TO THE SITE AND WHEN CONSTRUCTION WILL BEGIN. SAID MATERIALS SHALL BE INSPECTED PRIOR TO UNLOADING BY THE CITY OF ROCKWALL.

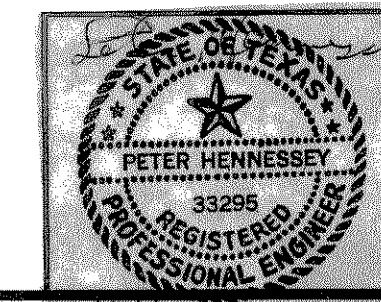
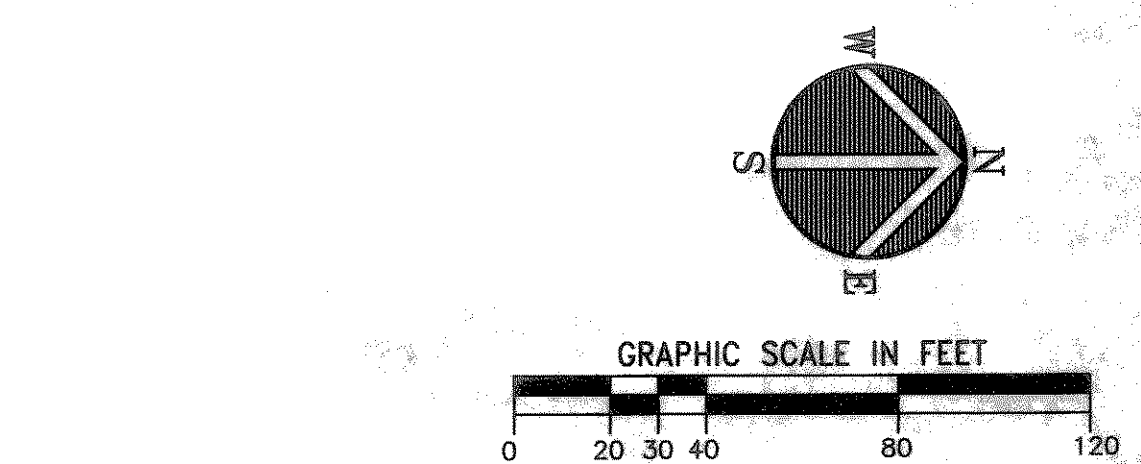
14. THE OWNER SHALL NOTIFY THE WATER SUPPLY CORPORATION OF THE CONTRACTOR THAT WILL INSTALL THE WATER IMPROVEMENTS. THE WATER SUPPLY CORPORATION MAY ASK FOR REFERENCES IF THE CONTRACTOR IS NOT KNOWN AND MAY REQUIRE THE OWNER TO SELECT ANOTHER CONTRACTOR IF THE REFERENCES ARE NOT FAVORABLE.
15. THE CONTRACTOR SHALL PROVIDE SUBMITTALS OF CONSTRUCTION MATERIALS TO THE ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION.

16. CONTRACTOR SHALL INSTALL MEGA-LUG RETAINING GLANDS ON ALL MECHANICAL JOINT FITTINGS. ALL RETAINING GLANDS SHALL BE MEGA-LUG 2000 PV FOR PVC PIPE AND SERIES 1100 FOR DUCTILE IRON PIPE AS MANUFACTURED BY EBAA IRON INC. OR EQUIVALENT. GLANDS SHALL BE MANUFACTURED OF DUCTILE IRON CONFORMING TO ASTM A536-80. THE GLAND SHALL BE SUCH THAT IT CAN REPLACE THE STANDARDIZED MECHANICAL JOINT GLAND AND CAN BE USED WITH THE STANDARDIZED MECHANICAL JOINT BELL CONFORMING TO ANSI/AWWA A21.11/C111 AND ANSI/AWWA A21.53/C153 OF LATEST REVISION. RESTRAINING GLANDS SHALL HAVE A PRESS RATING EQUAL TO THAT OF THE PVC PIPE ON WHICH IT IS USED.

SPECIFICATIONS:

1. FOUR HOURS OF HYDROSTATIC TESTING WILL BE REQUIRED AT 180 PSI. ALLOWABLE LEAKAGE SHALL BE IN ACCORDANCE WITH CITY REQUIREMENTS.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR PURGING, STERILIZATION AND SAMPLES. TESTING SHALL BE COORDINATED WITH THE CORPORATION. STERILIZATION SHALL BE PERFORMED IN ACCORDANCE WITH CITY SPECIFICATIONS. SAMPLING SHALL BE CONDUCTED BY NORTH TEXAS M.U.D.'S LAB. NUMBER OF SAMPLES SHALL BE ONE PER 1000' OF PIPE. LOCATIONS OF SAMPLES SHALL BE EVENLY SPACED ALONG THE LENGTH OF THE PROPOSED LINES.
3. CONTRACTOR SHALL INSTALL LOCATOR WIRE WITH THE 8" WATER LINE. LOCATOR WIRE SHALL TERMINATE AT VALVE BOXES AND FIRE PLUGS. THE WIRE SHALL BE CONTINUOUS INSULATED COPPER. THE CONDUCTOR SHALL BE 14 GAUGE SOFT DRAWN SOLID WIRE ANNEALED, AND IT SHALL BE INSULATED WITH MOISTURE RESISTANT POLYVINYL CHLORIDE, HOMOGENEOUS IN CHARACTER WHICH SHALL BE PLACED CONCENTRICALLY ABOUT THE CONDUCTOR WITHIN COMMERCIAL TOLERANCES. THE INSULATOR SHALL BE COLOR CODED BLUE FOR WATER PIPE. SPLICES SHALL BE KEPT TO A MINIMUM AND ALL SPLICES SHALL BE DONE IN A WORKMAN LIKE MANNER AND CONNECTED WITH DRI-SPLICE AS MANUFACTURED BY SPEARS, OR EQUIVALENT.
4. FITTINGS SHALL BE MECHANICAL JOINT DUCTILE IRON, CLASS 350, AND SHALL BE MANUFACTURED IN ACCORDANCE WITH ANSI/AWWA C153/A21.53, C111/A21.11 AND C104/A21.4.
5. SHORT SIDE SERVICES SHALL BE SINGLE, SIMILAR TO THE LONG SIDE. SERVICES SHALL BE LOCATED AT THE MIDPOINT OF THE PROPERTY LINE ADJACENT TO SADDLE BROOK LANE.
6. THE BLOW-OFF VALVE SHALL BE ECLIPSE #77.
7. THE CONTRACTOR SHALL FURNISH AND INSTALL THE METER BOXES AND CURB STOPS.
8. METER BOXES SHALL BE INSTALLED 2' INSIDE THE UTILITY EASEMENT.
9. USE POLY PIPE SDR-9 CLASS 200 OR TYPE K COPPER FROM MAIN LINE TAP TO BOX, USE TYPE K COPPER INSIDE BOX.
10. USE SWIVEL FITTINGS AT FIRE HYDRANTS.

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WATER LINE EXTENSION					
SADDLEBROOK II					
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DESIGN	DRAWN	DATE	SCALE	NOTES	FILE NO.
H-E	J.S.	5/29/00	1"=40'		9951 C4