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## GENERAL NOTES:

### SANITARY SEWER

1. SANITARY SEWER MAINLINE PIPING SHALL MEET THE EXTRA STRENGTH REQUIREMENTS OF ASTM SPECIFICATION D3034, OR SDR 35 PVC FOR INSTALLATIONS LESS THAN TEN FEET DEEP. FOR INSTALLATIONS GREATER THAN TEN FEET, SDR 26 PVC SHALL BE USED. PIPE SHALL HAVE THE BELL AND SPIGOT TYPE JOINTS, CONSISTING OF INTEGRAL WALL SECTION WITH FACTORY INSTALLED COMPRESSION RUBBER RING GASKET, SECURELY LOCKED IN BELL GROOVE TO PROVIDE POSITIVE SEAL UNDER ALL INSTALLATION CONDITIONS. PIPE SHALL BE LAID WITH THE BELL END ON THE UP STREAM SIDE.
2. FITTINGS SHALL BE IDENTICAL WITH THE BELL AND SPIGOT CONFIGURATION OF THE PIPE, AND OF THE SAME CLASS RATING.
3. MAINLINE EMBEDMENT SHALL BE NCTCOG CLASS "B+" WITH THE ADDITION OF A LAYER OF GEO-TEXTILE FABRIC PRIOR TO THE PLACEMENT OF THE SAND, OR AS INDICATED ON APPROVED, ENGINEERED PLANS. BACK FILL SHALL BE NATIVE MATERIAL COMPACTED IN 8" LOOSE LIFTS TO 95% STANDARD PROCTOR DENSITY, WITH ZERO TO PLUS THREE OPTIMUM MOISTURE, AND FREE OF ANY ROCKS OR CLODS LARGER THAN THREE INCHES IN DIAMETER.
4. MANHOLES ARE TO BE POURED IN PLACE WITH CLASS F (NCTCOG 7.4.5) MINIMUM CONCRETE MIX. MANHOLES SHALL BE WATERTIGHT. ASBESTOS CEMENT SLEEVES OR APPROVED EQUAL WITH RUBBER RING JOINT SHALL BE USED AT PIPE PENETRATIONS TO PROVIDE POSITIVE WATERTIGHT SEALS. CONNECTIONS AT EXISTING MANHOLES SHALL BE CORED.
5. THE CONTRACTOR OR PLUMBER SHALL MAKE ALL TAPS IN THE NEW OR EXISTING SEWER MAINS. WATER MUST BE PUMPED OUT OF THE TAPPING TRENCH THROUGHOUT THE OPERATION TO PREVENT INFLOW OF GROUNDWATER INTO THE SEWER SYSTEM. SERVICE TAPS SHALL BE MADE WITH STANDARD WYE FITTINGS SET AT 45 DEGREES OF VERTICAL. LATERAL LINES SHALL BE SDR 35 PVC LAID ON ONE QUARTER INCH PER FOOT MINIMUM GRADE TO THE PROPRIETARY LINE. A DOUBLE CLEAN OUT SHALL BE PLACED AT THE PROPERTY LINE, AND SET AT FINISHED GRADE WITH AN 18"x18"x4" THICK CONCRETE LOCATOR PAD POURED IN ALL NON-PAVEMENT LOCATIONS. WYES, TEES, AND BENDS ARE TO BE INCASED IN CLASS B CONCRETE 6 INCHES THICK. THE TOWN MUST INSPECT TAP PRIOR TO BACK FILL OPERATION. BACK FILL SHALL BE TWELVE INCHES OF SAND PLACED BY HAND SHOVEL ONLY. AFTER HAND OPERATION, THE REST OF THE TRENCH MAY BE MACHINE FILLED WITH SELECT FILL ABSENT OF ANY ROCKS OR CLODS LARGER THAN THREE INCHES IN DIAMETER. COMPACTION IN 6" LOOSE LIFTS.

### STORM

1. ALL STORM SEWER PIPE SHALL BE CLASS III RCP

### WATER

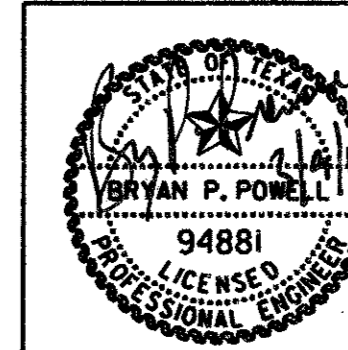
1. ALL MAINLINE, FIRE LINE, AND HYDRANT LEAD PIPING FROM 6-12 INCHES IN DIAMETER SHALL BE AWWA C909-98 MOLECULARLY ORIENTED PVC PRESSURE PIPE (CLASS 150MIN., CLASS 200 FOR FIRE LINES) WITH CAST IRON O.D., OR, WHEN PIPE PENETRATES METER VAULT WALLS IT SHALL BE DUCTILE IRON. PIPE JOINTS SHALL BE RUBBER RING AND INTEGRAL THICKENED BELL, ASSEMBLED WITH A FACTORY SUPPLIED LUBRICANT. CAST IRON FITTINGS SHALL BE MECHANICAL RESTRAINED JOINT (EBAA IRON "MEGA-LUG" OR EQUAL) TYPE, AND POLY-WRAPPED (8MIL) PRIOR TO BACK FILL. 4 INCH PIPE FOR FIRE LINE SERVICES SHALL BE AWWA C900-75, DR-14, CLASS 200 PVC.
2. EMBEDMENT SHALL COMPLY WITH NCTCOG CLASS "B+" EMBEDMENT OF CRUSHED STONE TO THE SPRING LINE OF THE PIPE, WITH SAND (12" MIN) OVER THE PIPE. A LAYER OF GEO-TEXTILE FABRIC SHALL BE PLACED ON TOP OF THE STONE PRIOR TO THE PLACEMENT OF THE SAND.
3. TRACER WIRE SHALL BE PLACED ON PIPE PRIOR TO EMBEDMENT. WIRE SHALL BE #12 PLASTIC COATED COPPER WIRE, TIED TO ALL VALVES AND FIRE HYDRANTS, AND EXTENDING TO SIX (6) INCHES ABOVE FINISHED GRADE ALONG THE OUTSIDE OF ALL VALVE STACKS AND HYDRANTS.
4. FINISH BACK FILL SHALL BE NATIVE SOIL FREE OF ALL ROCKS AND CLODS GREATER THAN THREE INCHES IN DIAMETER, COMPACTED TO 95% STANDARD PROCTOR DENSITY, IN 6 INCH MAXIMUM LOOSE LIFTS, WITH ZERO TO PLUS THREE OPTIMUM MOISTURE. TRENCHES UNDER PAVEMENT SHALL BE BACKFILLED WITH "FLOWABLE FILL" TO THE LEVEL INDICATED BY THE PAVEMENT THICKNESS, PENDING THE APPROVAL OF THE TOWN'S ENGINEERING DEPARTMENT. SUBMIT A "BATCH DESIGN" FOR ANY FLOWABLE FILL TO BE USED. (MINIMUM COMPRESSION STRENGTH 400PSI)
5. SERVICE TAPS MUST MEET TOWN OF ADDISON STANDARDS. SEE GENERAL REQUIREMENTS FOR WATER SERVICE FOR WATER SERVICE DETAILS. ALL TAPS MUST BE INSPECTED PRIOR TO BACK FILLING.

### PAVEMENT

1. THE PAVEMENT SHALL BE 6" REINFORCED CONCRETE (3,600 PSI) WITH A 6" REINFORCED MONOLITHIC CURB.
2. THE PAVEMENT SHALL BE PLACED ON 6" LIME STABILIZED SUBGRADE.

## RECORD DRAWING

THIS DRAWING HAS BEEN MODIFIED  
TO REFLECT CONSTRUCTION RECORDS  
PROVIDED TO THE ENGINEER



DATE	REVISION	MADE	CKD	APPD		
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<b>GENERAL NOTES</b>						
<b>ADDISON OFFICE CONDOS</b>						
<b>TOWN OF ADDISON, DALLAS COUNTY, TEXAS</b>						
DESIGN	DRAWN	CHECKED	SCALE	DATE	FILE	NO.
TIPTON		POWELL	NTS	MARCH'06	01-6628	3 OF 17