



### GRINDER PUMP SERVICE LINE NOTES

1. INSTALL STAINLESS STEEL TRACER WIRE, 7x7 AIRCRAFT CABLE, 1/8" DIAMETER ALONG TOP OF HDPE FORCE MAIN SERVICE LINE WITH WARNING TAPE MARKED "SEWER" 12" ABOVE SERVICE LINE. TRACER WIRE SHALL EXTEND FROM LOW PRESSURE SEWER MAIN TO VALVE AT RIGHT-OF-WAY LINE AND FROM GATE VALVE TO GRINDER PUMP. TRACER WIRE SHALL TERMINATE IN VALVE CAN WITH EXTRA 24" OF COIL AND TERMINATE AT GRINDER PUMP LID.
2. THE LOCATION OF THE STUB SERVICE TERMINATION SHALL BE MARKED BY THE CONTRACTOR WITH 2"x4" TIMBER EXTENDED VERTICALLY FROM THE PLUG END TO A MINIMUM OF 12" ABOVE THE GROUND SURFACE. A 12-GAUGE GALVANIZED WIRE SHALL BE ATTACHED TO THE TIMBER FROM END TO END. NEITHER THE WIRE NOR THE 2"x4" SHALL BE SECURED OR ATTACHED TO THE SEWER PIPE OR PLUG. THE EXPOSED PORTION OF THE 2"x4" SHALL BE PRE-PAINTED TRAFFIC WHITE WITH THE WORDS "GRINDER PUMP SEWER CONNECTION" STENCILED ON WITH BLACK PAINT. THE END OF THE 2"x4" SHALL BE PRE-MARKED IN PERMANENT INK WITH THE LENGTH OF THE TIMBER INSTALLED.
3. INSTALL A 2 FOOT SQUARE x 4" THICK ASPHALT OR CONCRETE PAD AROUND THE VALVE BOX AT ALL VACANT LOTS.



## GRINDER PUMP SERVICE LINE FOR SMALL DIA. LOW PRESSURE SEWER IN PUBLIC R.O.W.

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