



THIS AREA'S STORM SEWER MASTER PLAN IS BASED ON CONVEYING FULL PIPE FLOW DURING LAKE COUNTY 10-YEAR INTENSITY STORMS OR LOWER. LARGER STORMS MAY STILL RESULT IN LOCALIZED FLOODING. PIPE SIZES ARE BASED ON GRADES NECESSARY TO ACHIEVE MINIMUM VELOCITIES OF 3.0 FEET PER SECOND AND MINIMUM EXISTING SURFACE TOPOGRAPHY, WHILE IGNORING POSSIBLE VERTICAL OR HORIZONTAL CONFLICTS WITH OTHER UTILITIES. MINIMUM COVER WAS DESIGNED AT 2.0 FEET. THIS SYSTEM IS NOT DESIGNED TO PICK UP FOOTING OR BASEMENT DRAINS BY GRAVITY. SUMP PUMPS WILL BE REQUIRED WITH BACKFLOW PREVENTION. ADJUSTMENTS MAY BE NECESSARY BASED ON INTERFERENCE WITH OTHER UTILITIES. THESE ADJUSTMENTS SHALL BE BASED ON ACTUAL FIELD LOCATIONS AND DETAILED ENGINEERING DESIGN. TO COMPLY WITH DEPA STANDARDS FOR STORM WATER QUALITY, INFILTRATION TRENCHES WILL BE REQUIRED WITHIN THE PROJECT LIMITS.



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