FORCE MAIN REQUIREMENTS CHECKLIST

Owner' Name:		Engineer's Name:	
Site Address:		Date:	
51	- Audicos		
Rev	following checklist is not all-inclusive, but is generally representative view and Approval Ordinance (SPR&A) and the Planning Board's Rules the checklist in conjunction with the SPR&A and the S/D R&R as appr	s and Regulations (S/D R&R). In all cases, you should	
	No force main shall pump directly into the City system. All manhole to be located on the owner's side of the property l sewer manhole.	ine. The effluent shall then flow by gravity into a City	
	Any connection to a City sewer manhole shall be cored and A Street Opening Permit shall be obtained prior to any wor Any connection to a City manhole or work within the City rig	k within the City right-of-way	
	be inspected prior to backfill A cleanout consisting of a tee with a threaded cap shall be main changes from force to gravity) to allow for the main to Minimum residential cap size size shall be 21 schedule 40 R	be rodded	
	Minimum residential service size shall be 2" schedule 40 P Minimum commercial service size shall be 4" ductile iron Minimum cover over force main shall be 5 feet		
	All force mains shall be surrounded by 12" envelope of ³ /4" crushed stone Check dams shall be placed every 100 feet along force main Metallic warning tape shall be installed over the main within the trench		
	Force mains shall be separated from other utilities by at leas Force mains shall be separated from water lines by at leas Pump chamber shall be sized to store 24 hours worth of ef	ast 5' horizontally t 10' horizontally	
	precast concrete (or approved equal) capable of withstand The bottom of the pump chamber shall be sloped toward p Pumps shall be sized to accommodate flows-Provide pump	ing H20 loading jump	
	Duplex pumps are recommended An in-line union shall be placed in the discharge pipe near	the pump to allow for the pump to be removed	
	An in-line backflow preventer (with an external counterweig discharge pipe to prevent effluent from backing up into the An iron pipe shutoff valve (w/o drain) shall be installed on the	chamber	
	for the repair of pump The shutoff valve and backflow preventer shall be installed	within a separate valve chamber where possible	
	If separate valve chamber can not be provided, the backflo and the shutoff outside the chamber with a riser box and st All pressurized pipes within the chamber shall be restrained	tem	
	the chamber Alarm systems indicating pump failure shall be installed on Residential systems shall require audible warning on alarm		
	Commercial systems shall require audible and visual warni location monitored 24 hours a day		
	Run time meters shall be installed on all commercial system All pumps shall have an anti-siphon prime Provide at least the following details:	115	
	 Trench detail for force main Trench detail for gravity mains Sewer manhole detail 		
_	Pump chamber detailProfile of entire system		
	Force main shall be tested by filling with water and pressur performed by an independent testing company	izing main to 100psi for one hour. Pressure test shall be	