ENGINEER											
Company Name											
GHD, Inc.											
Mailing Address											
16701 Melford Blvd, Suite 221											
City		State		Zip							
Bowie				Maryland		20715					
Contact Name											
Phillip Dieckmann, P.E.											
E-Mail Address											
phillip.dieckmann@ghd.com											
Telephone	Cell			Fax							
	803-										
GRAVITY SEWER INFORMATION											
Ownership	Type of Sewer	Гуре of Sewer System				If Other, list below					
X Public ☐ Private	☐ Residentia	1 □ Commercia	ıl 🗆 Indi	ustrial 🛛 Other?]	Domestic					
Type of Pipe	Length (ft)	ngth (ft) Diameter (in)		pint Specification		Slope (ft/ft)	Min. Velocity (ft/sec)				
PVC	10-ft	12-inch		n/a	1.0%		2.84				
Minimum Pipe Cover (ft)	Number of	Manholes	Drop m	anholes provided?	Maximum Distance Between Manholes (ft)						
3-feet 1		1	□ Yes	№ No		10-feet					
Minimum ten foot (10') horizontal & eighteen inch (18") vertical separation from water lines maintained? If not, explain provisions to prevent cross-contamination:						nation:					
X Yes □ No											
Explain any special challe	nges (for examp	le, stream, highw	ay and/or	railroad crossings, d	irection	al drilling, elevated	sewers, etc.)				
The purpose of this short piece of gravity sewer is to connect the new force main to the existing gravity sewer. There are no joints in the gravity sewer because the length is less than 1 stick of pipe.											
Comments											

PUMP/LIFT STATION INFORMATION												
	Type of Wastewater						If Other, list below					
☐ Pub. vate	☐ Residential	□ Residential □ Commercial □ Industrial □ Other?										
Pump Station	Dools		Peak Factor									
Design			Peak									
Basis of Design				Pump Type								
Basis of Design				Tump Type								
Will peak flows be accomm largest unit fails?		and pump Cycle Time (mip		Wet Well Detention Time (minutes)								
☐ Yes ☐ No	D	Yes										
Check valves provided on d	ischarge line?		7	provided on discharge line?								
☐ Yes ☐ No				₃ □ No								
If not, explain alternate procedure:												
Ventilation provided in wet well? Dry V				Is an alarm s		ded?	ded? Alternate source of power?					
☐ Yes ☐ No				☐ Yes ☐ No			☐ Yes ☐ No					
What other provisions for emerge ons?												
Height of Influent Ab (suction head) (ft) Height of E (discharge				Effluent Above Pump e head) (ft)		Frictio	n Los					
Pump	Pump Operating	Point S	Static Hea	c Head (ft) Tota		Head (ft)		Required Horsepower				
		FORC	E MAIN	N INFORMAT	ΓΙΟΝ			_				
Type of Pipe		Length (ft)		Diameter (in)		er (in)						
HDPE DR9		29,508		12-inch								
RJ PVC Hazen-Williams "C" Design Type of Joints				25 Velocity Under Design			10-inch Minimum Pipe Cover (ft)					
Factor Bell with		lastomeric seal gasket mical restrained joints;		Conditions (ft/sec)			3 ft					
120 and Fused Joi		* 1		2.78			311					
Air relief valves specified?	Clean-outs provided?			Maximum distance between clean-outs (ft)								
X Yes □ No □ Yes X No			-									
Minimum ten foot (10') hor (18") vertical separation fro		If not, explain provisions to prevent cross-contamination:										
X Yes □ No												
Comments												
None												