

DAY 1 – Municipal Sewer Grout School– May 13-14, 2020

Time	Presentation/Demonstration	Location	Presenter
7:30- 8:30	Arrive at School (Welcome + Introduction)	Class	All
8:30-9:15	Introduction to Municipal Grouting	Class	Prime
9:15-10:00	Infiltration Control Power Point Presentation	Class	Marc
10:00-10:15	break	Class Shop	
10:15-10:45	Infiltration Flow rate Demo in Sewer Pipe bedding soils (plexiglass tubes)	Shop	Marc + Ron M
10:45-11:15	Grout Truck Introduction—Video & Presentation	Class & Shop	Ron M
11:15-12:00	Introduction to ICGA/NASSCO Specification with charts & formula	Class	Marc
12:00-12:45	Lunch	Class	
12:45-1:05	Pressure Transducer	Class	Ron M
1:05-1:20	Hydraulic Water Pressure & transducer example (Mainline plexiglass)	Shop	Ron M & Marc
1:20-3:20 5 small groups of 6 - 24 min each	<ul style="list-style-type: none"> a. Pump Station b. Check-valve station (panel) c. Grout Station (AV-100 & Urethanes) d. Grout Panel (truck) e. EGP Technique (MH) 	Shop	Chris S. Marc Prime Ron Prime
3:20-3:35	Break		
3:35-4:35	Grout truck system with water <ul style="list-style-type: none"> - Bucket test - Packer ASTM Test on system integrity - Packer pump/void calculation - Questions on gel times/flow rates 	Shop	Ron M, Marc, ALL
4:35-5:20	Annulus flow demonstration in lined pipe Lateral Packer operation in Plexiglass pipe	shop	Marc & Ron
5:20-5:35	Recap of day, Q&A	Class	All
5:35-7:00 Dinner & Refreshments/ socialize/talk shop			

DAY 2 – Municipal Sewer Grout School— May 13-14, 2020			
7:30 - 8:00	Arrive at school—Breakfast of Champions—Photo Session	Classroom	All
8:00 - 9:30	Grouting Material Safety Training Course + test	Classroom	Prime
9:30 – 9:45	Break		
9:45– 10:30	Grout Tank Mixing	Tent	Prime
10:30 – 11:15	Logiball Packer Presentation & Maintenance	Warehouse	Marc
11:15 - 12:00	Hydrometer Test, Temperature Effects on Gel Time	Warehouse	Prime
12:00 - 12:45	Lunch		
12:45- 1:15	Manhole Rehab (Injection Grouting)	Classroom	
1:15 – 2:15	Crack Injection—Sealing Structure to Stop Active Infiltration Curtain Grouting Manhole—Acrylic vs Urethane	Tent	
2:15 – 2:45	Annulus Grouting of lined pipe	Tent	Marc & Ron
2:45 - 3:00	Inject grout box with Packer & Reveal	Tent	Marc & Ron
3:00 - 3:30	Lateral Connection Sealing Demo	Tent	Marc & Ron
3:30 - 3:45	Break		
3:45 – 4:00	Open for discussion topics	Classroom	All
4:00 - 4:15	Closing comments –Evaluation Form	Classroom	All
4:15 - 4:30	Issue Certificate of Completion	Classroom	All
	End of School—Travel Safe!		