

	<u>Water</u>	<u>Sewer</u>	<u>Re-Use</u>
Preferred Marker:	3M EMS 4" Ball Marker 1403-XR	3M EMS 4" Ball Marker 1404-XR	Use Sewer Markers
Alternate Markers:	3M EMS Mid-Range Marker 1257 3M EMS Full-Range Marker 1252	3M EMS Mid-Range Marker 1258 3M EMS Full-Range Marker 1253	
Required Placement:	All bends 22.5 degrees or larger, all capped or plugged ends, all casing ends, repair points, all tee's and crosses, any change in pipe material, any change in direction.	<u>Gravity</u> – Wyes, services. <u>Vacuum</u> – Wyes, top of lifts, change in direction, diversions, all capped or plugged ends, service laterals. <u>Forcemains</u> – All bends 22.5 degrees or larger, all capped or plugged ends, all casing ends, repair points, all tee's and crosses, any change in pipe material, any change in direction.	All bends 22.5 degrees or larger, all capped or plugged ends, all casing ends, repair points, all tee's and crosses, any change in pipe material, any change in direction.

- * All markers to be installed per manufacturers recommended spacing and depth.
- * For facilities deeper than the marker's read/dection range, please refer to the alternate tie down procedure.

LAST REVISION	NOV. 2017
CHECKED	KRL
APPROVED	PZ

LOCATOR DEVICE



ENGLEWOOD WATER DISTRICT
201 SELMA AVENUE
ENGLEWOOD, FLORIDA 34223