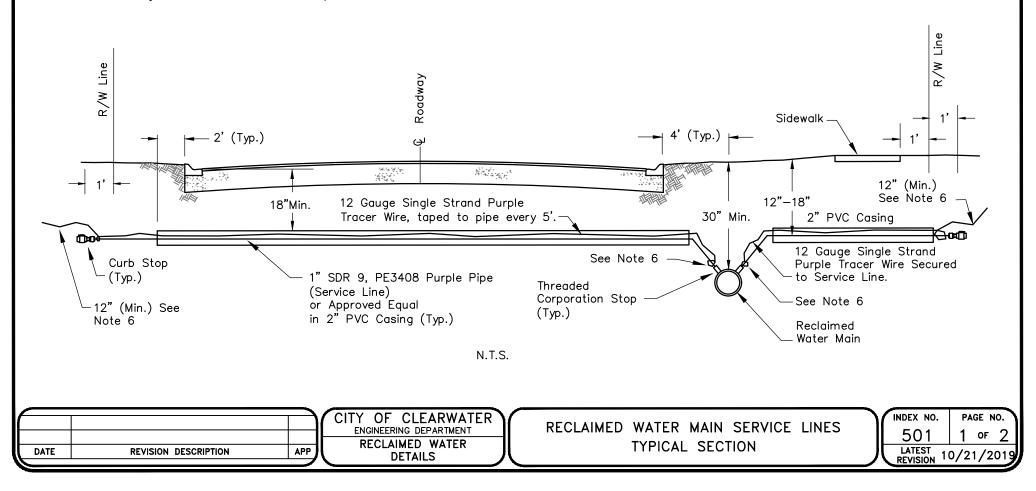
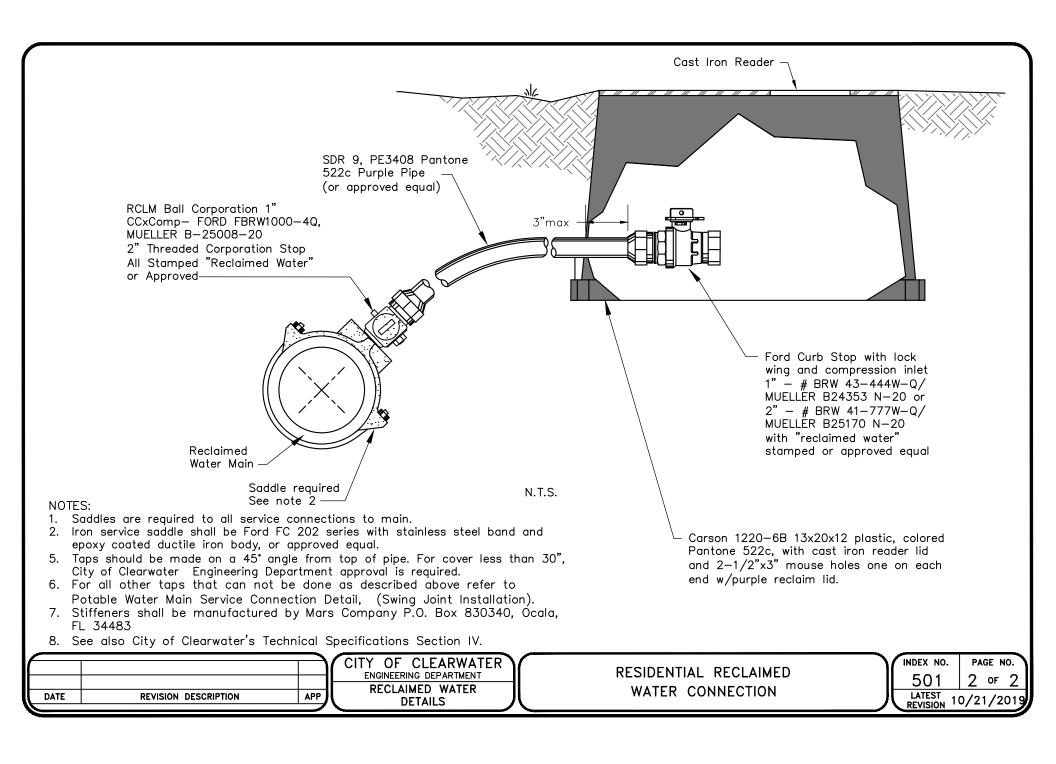
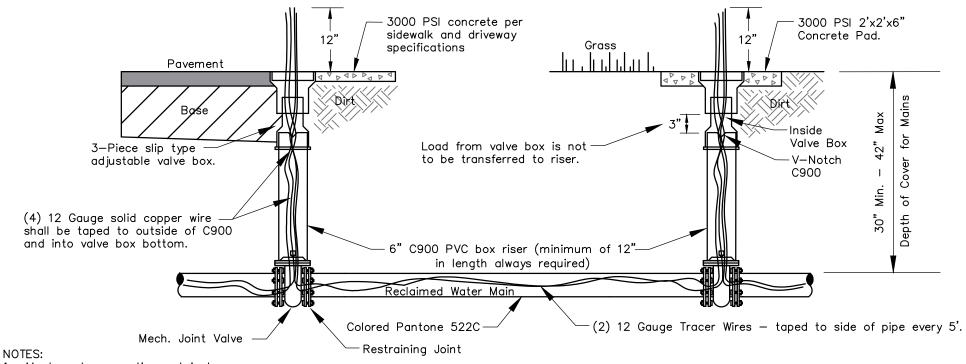
- 1. 2" PVC casing, colored Pantone 522c, shall extend to customer side of sidewalk.
- 2. PVC casing to be min. 18" below the surface measured from top of face of curb.
- 3. Reclaimed Water Mains to be min. 30" below grade and approx. 4' back of curb.
- 4. Curb Stop to be located approx. 1 foot back of Right-of-Way.
- 5. Service Line to be min. 12" and max. 18" below grade.
- 6. Connect 12—gauge tracer wire with tie wraps at Čorporation Stop and at Curb Stop. Provide 1 foot minimum excess length of tracer wire in Meter Box.
- 7. 12-gauge single strand tracer wire should accompany all reclaimed Service Line installations.
- 8. 2" SDR 9 purple pipe or approved equal Service Line shall be in 4" casing, colored Pantone 522c.
- 9. See also City of Clearwater's Technical Specification Section IV.





Roadway/Sidewalk Installation

Green Space Installation



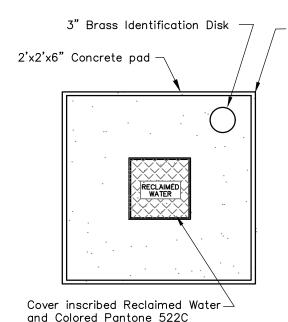
- Must center operation nut in box
- 2. C900 Riser to be one continuous section and color coded Pantone 522c.
- 3. Gate Valves shall be open left only.
- 4. Valve key extensions required on valves with operator nut over 3' deep.
- 5. Tracer Wire required in all applications including on D.I.P. and colored Pantone 522c.
- 6. See also City of Clearwater's Technical Specification Section IV.

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			ENGINEERING DEPARTMENT
			RECLAIMED WATER
DATE	REVISION DESCRIPTION	APP	DETAILS
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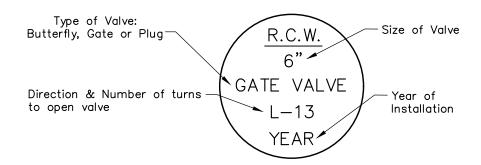
RECLAIMED WATER TYPICAL VALVE & BOX SETTINGS

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INDEX NO.	PAGE NO.
502	1 of 3
LATEST 1	0/21/2019

- 1. Extension on Valve Box shall be set so as to reserve 1/2 of the adjustment length for future use.
- 2. Valve key extension required on valves with operator nut over 3' deep.
- 3. Install 3" Brass Identification Disk in concrete, per detail below.
- 4. Terminate insulated, solid 12 gauge copper tracer wire at top w/ a minimum 12" of extra wire.
- 5. Reclaimed Water Valve Box lid openings are to be 9" x 9" square.
- 6. Tracer Wire Station Installed where new construction tie—in to existing pipe. Wire brought up into valve pad on top of pipe.
- 7. Valve Box to be centered in concrete slab in green space only.
- 8. See also City of Clearwater's Technical Specification Section IV.



Expansion joint material on all sides adjacent to concrete.



3" BRASS IDENTIFICATION DISK

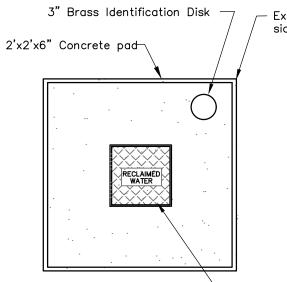
PLAN VIEW

			CITY OF CLEARWATER ENGINEERING DEPARTMENT	
			RECLAIMED WATER	
DATE	REVISION DESCRIPTION	APP	DETAILS	
		$\overline{}$	DETAILS	

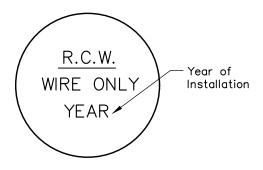
RECLAIMED WATER VALVE BOX CONCRETE PAD PLAN VIEW GREEN SPACE ONLY

INDEX NO.	PAGE NO.
502	2 of 3
LATEST 1	0/21/2019

- 1. Extension on Valve Box shall be set so as to reserve 1/2 of the adjustment length for future use.
- 2. Install 3" Brass Identification Disk in concrete per detail below.
- 3. Terminate insulated, solid 12 gauge copper tracer wire at top with 12" of extra wire.
- 4. Reclaimed Water Valve Box lid openings are to be 9" x 9" square.
- 5. Tracing wire Station Installed where new construction tie—in to existing pipe. Wire brought up into valve pad on top of pipe.
- 6. Valve Box to be centered in concrete slab in green space only.
- 7. See also City of Clearwater's Technical Specification Section IV.



Expansion joint material on all sides adjacent to concrete.



3" BRASS IDENTIFICATION DISK

PLAN VIEW

Cover inscribed Reclaimed Water -

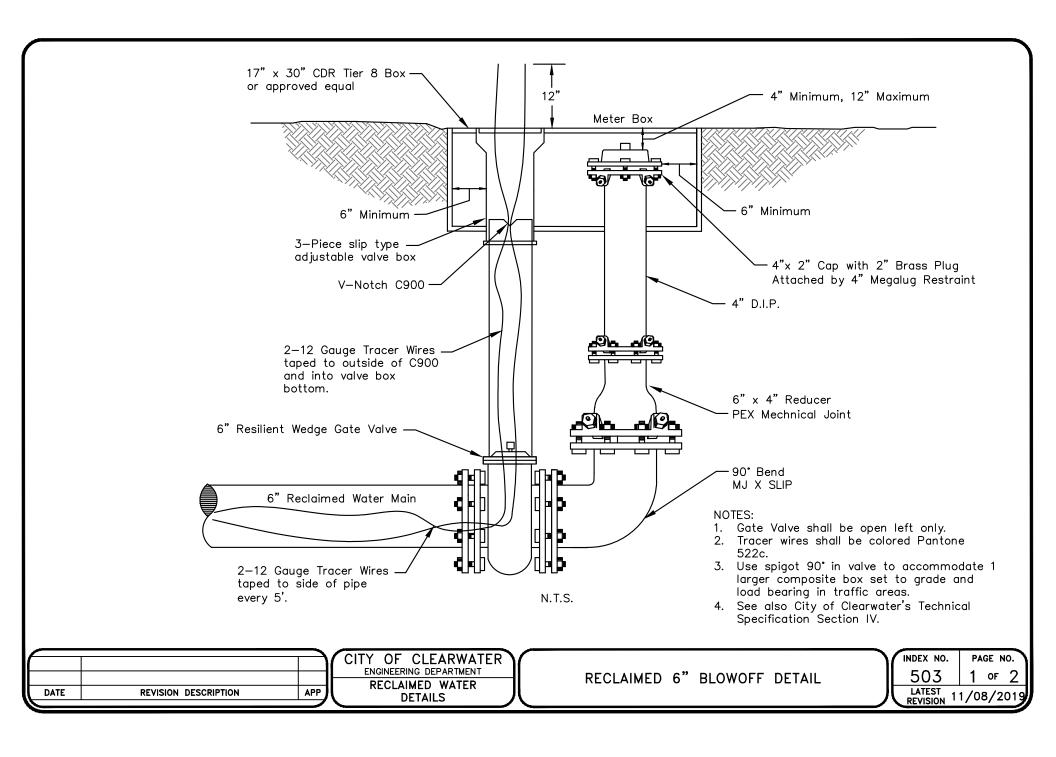
and colored Pantone 522c

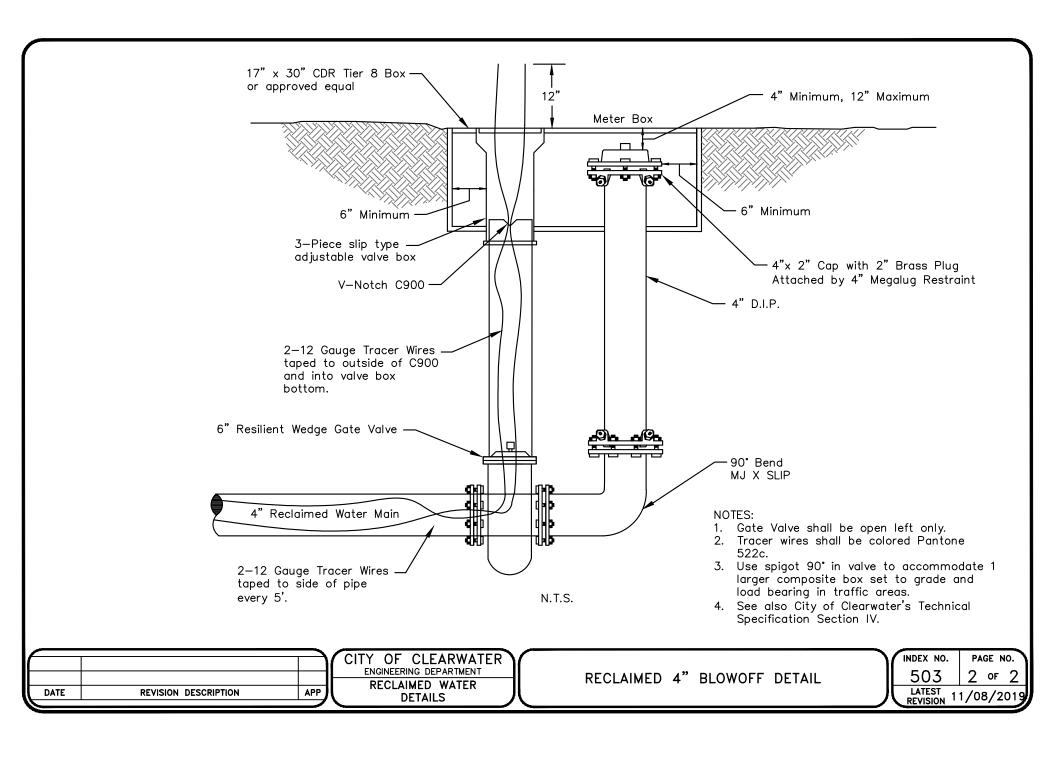
DATE	REVISION DESCRIPTION	APP
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CITY OF CLEARWATER
ENGINEERING DEPARTMENT
RECLAIMED WATER
DETAILS

RECLAIMED WATER TRACING WIRE STATION
CONCRETE PAD PLAN VIEW
GREEN SPACE ONLY

INDEX NO.	PAGE NO.
502	3 of 3
LATEST 10	0/21/2019

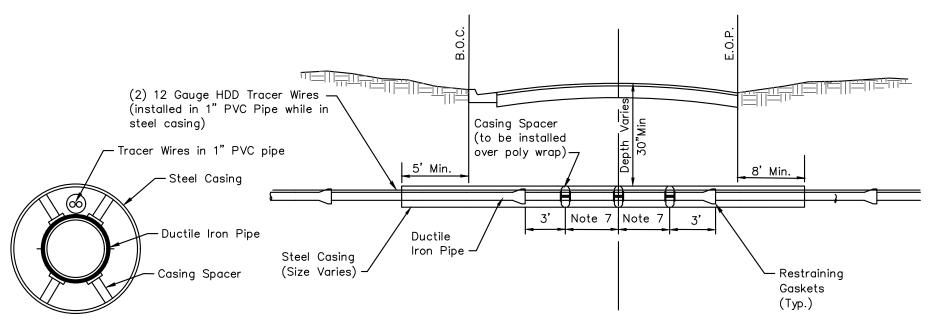




STREET WITH CURB

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STREET WITHOUT CURB



NOTES:

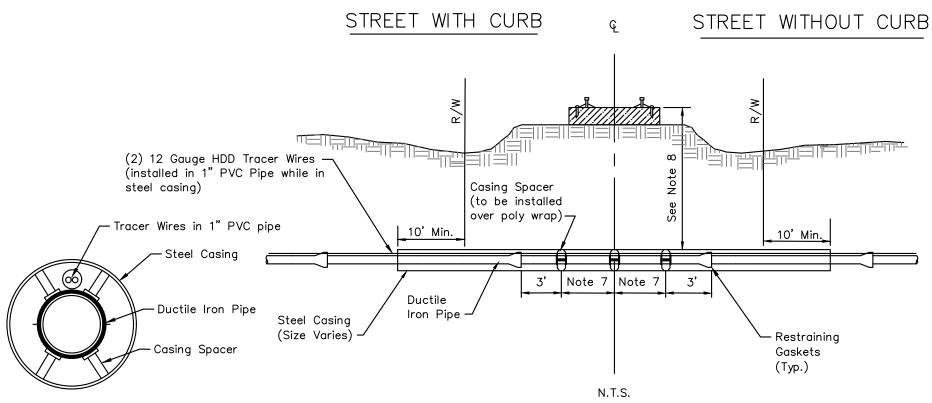
N.T.S.

- All pipe installed within the casing shall be ductile iron or approved by City Engineering Department
- 2. (2) 12 gauge HDD tracer wires will be used over D.I.P.
- 3. All pipes within casing to be restrained by restraining gaskets.
- 4. All materials to meet latest F.D.O.T. standards.
- 5. Approved casing spacers must be installed to keep pipe centered in casing.
- 6. Ends of casing must be sealed with bricks and cement to prevent infiltration of soil or by City of Clearwater Engineering Department's approved method.
- 7. Distance between Casing Spacers shall be 6' for 18' joints and 7' for 20' joints.
- 8. See also City of Clearwater's Technical Specification Section IV.

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		1 1	CITY OF CLEARWATE
		-	ENGINEERING DEPARTMENT
			RECLAIMED WATER
DATE	REVISION DESCRIPTION	APP	DETAILS
			DETAILO

RECLAIMED WATER — JACK AND BORE UNDER ROADWAY DETAIL

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INDEX NO.	PAGE NO.
504	1 of 2
LATEST 1	1/08/2019



- 1. CSX permit required for work under railway right—of—way.
- 2. All pipe installed within the casing shall be ductile iron or approved by City Engineering Department.
- 3. (2) 12 gauge HDD tracer wires will be used over D.I.P.
- 4. All pipes within casing to be restrained by restraining gaskets.
- 5. All materials to meet latest F.D.O.T. standards.
- 6. Approved casing spacers must be installed to keep pipe centered in casing.
- 7. Ends of casing must be sealed with bricks and cement to prevent infiltration of soil or by City of Clearwater Engineering Department's approved method.
- 8. Distance between Casing Spacers shall be 6' for 18' joints and 7' for 20' joints.
- 9. Distance from top of railway to top of casing shall be 5' min.
- 10. See also City of Clearwater's Technical Specification Section IV.

			CITY OF CLEARWATER
			ENGINEERING DEPARTMENT RECLAIMED WATER
DATE	REVISION DESCRIPTION	APP	DETAILS
		$\overline{}$	DETAILS

RECLAIMED WATER — JACK AND BORE UNDER RAILWAY DETAIL

INDEX NO.	PAGE NO.
504	2 of 2
LATEST 1	1/08/2019

