

NOTES:

- 1. Fire hydrant shall be located within 50' of the F.D.C or as approved by the Fire Code Official.
- 2. The equipment screen shall be located per the site plan. Domestic & irrigation meters shall be installed per std. 863 & 865. The length & width of the screen depends on the size and number of irrigation and domestic water services. top of wall shall not restrict the view of the valve yoke from the street.

- PRIOR TO CONNECTION TO EXISTING CITY WATER SERVICE OR MAIN THE CONTRACTOR SHALL:
 a. Install a 2" minimum bridge connection for construction water and testing per std. 859.
- Pressure test line from point of connection to fire bridge and all domestic lines.
- Have all backflow assemblies tested by City certified testing contractor. Submit complete installation record and testing record for each assembly to Public Works Dept., 600 Enterprise Drive (forms available at 600 Enterprise Dr.,(707) 588-3300).
- Have passing results from bacteria testing samples taken by City, call (707) 588-3300 minimum 48 hours prior.
- All valves shall be hooked up for "Tamper Alarm".
- Satisfy all Fire Department requirements.
- The meter shall be installed with proper lengths of pipe both upstream and down stream of the meter see manufacturers
- specifications for determining pipe length(s).

 A utility billing account shall be opened with city prior to flowing water through meter.

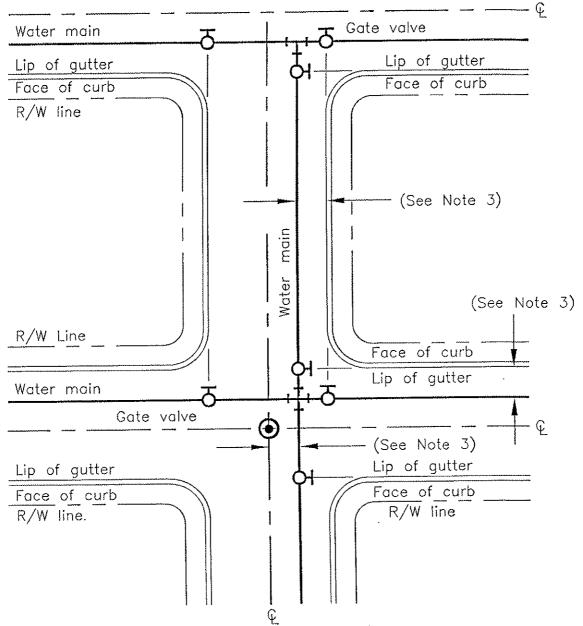
CITY ROHNERT **PARK**

WATER CONNECTION DETAIL

SCALE: DATE: NONE ۱ppr

OCTOBER 2010

STD. - 869



NOTES:

- 1. Water mains shall be located parallel to street centerlines unless conflicts with other underground facilities cannot be avoided.
- 2. Non-standard alignments shall be approved by the Engineering Dept. prior to installation. Mainline valves, except hydrant valves and tapping valves, shall be on face of curb extended where feasible.
- 3. Install mains with constant alignment whenever possible, minimum 3' from the lip of gutter and minimum 4' from centerline monuments.

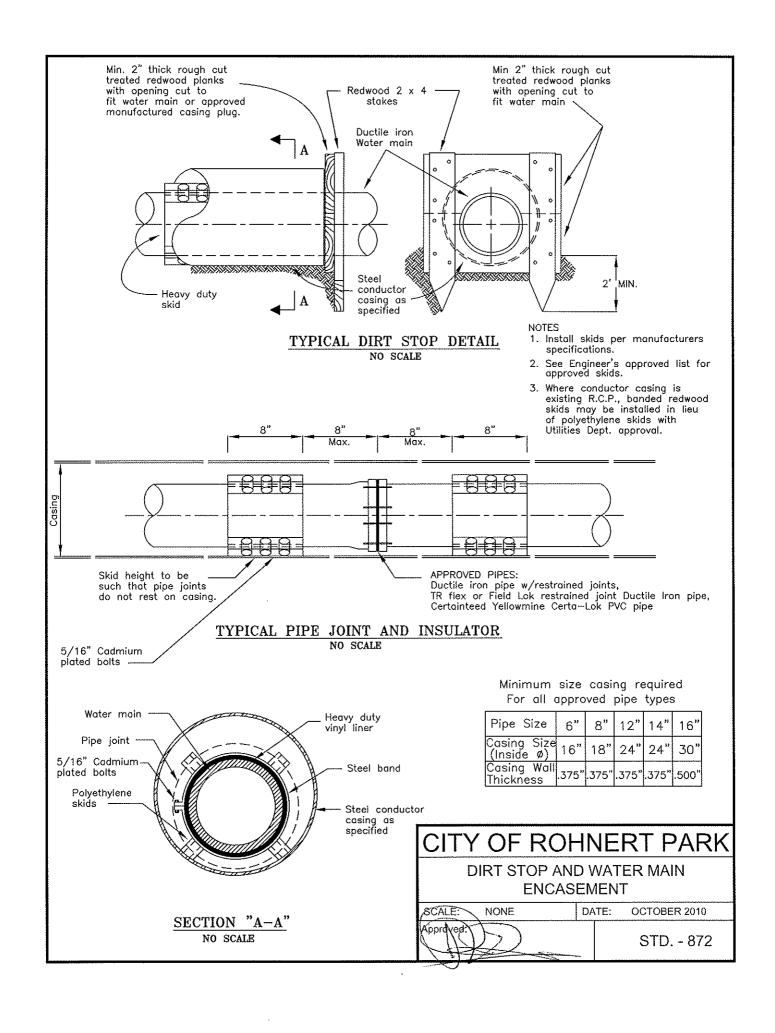
CITY OF ROHNERT PARK

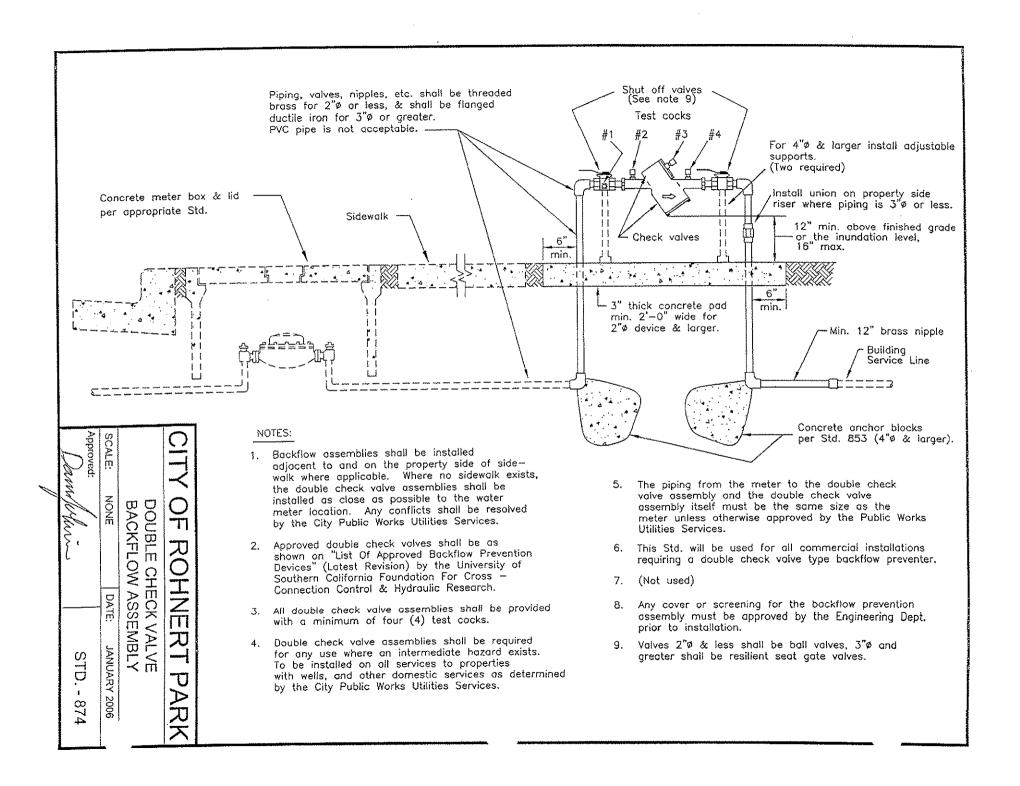
ALIGNMENT OF WATER MAINS AND PLACEMENT OF MAIN VALVES

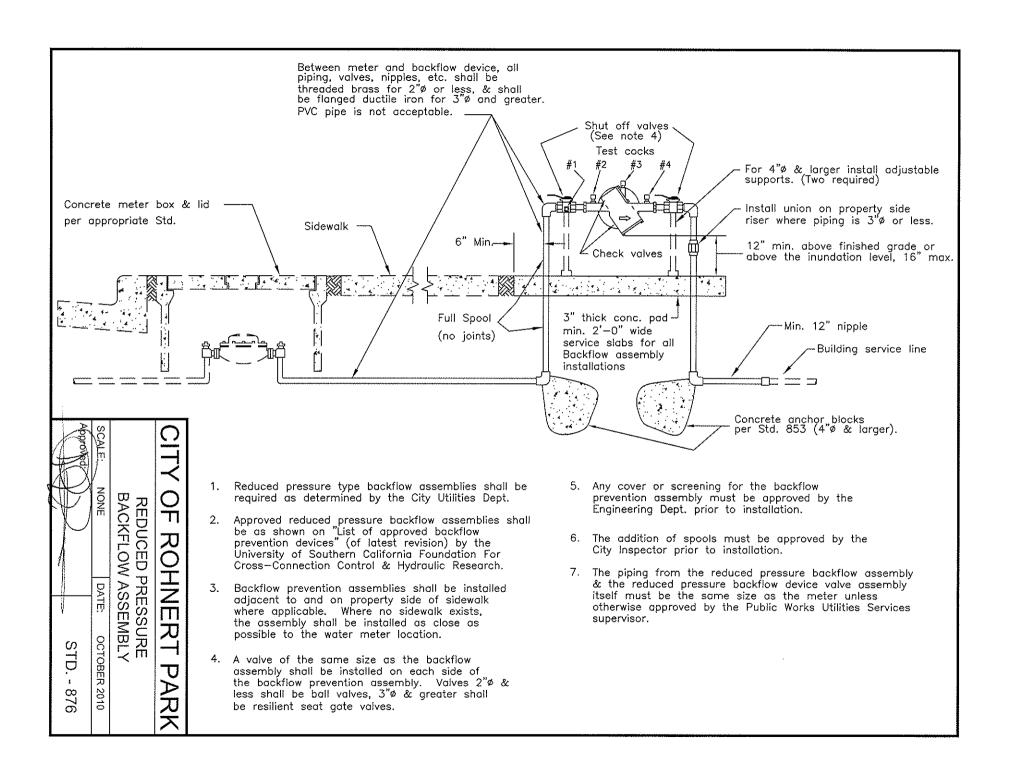
SCALE: NONE DATE: JANUARY 2006: Approved:

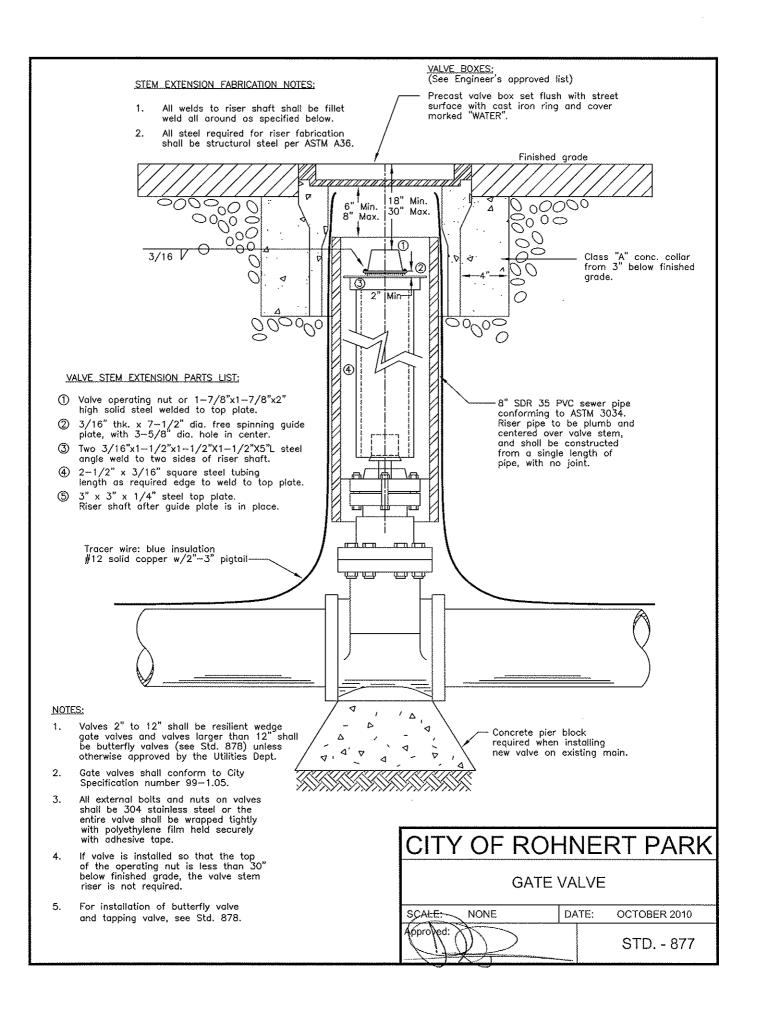
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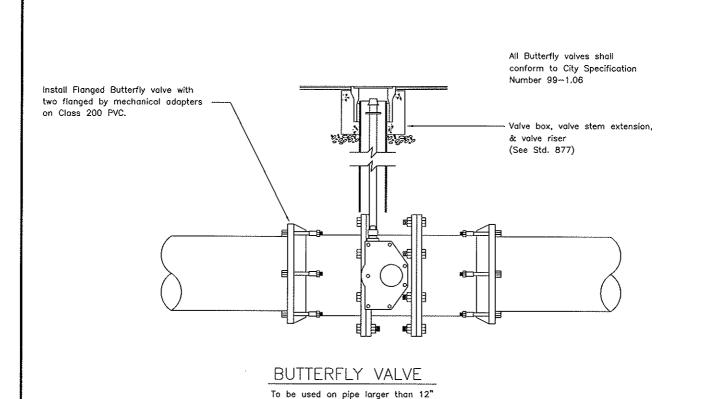
STD. - 871

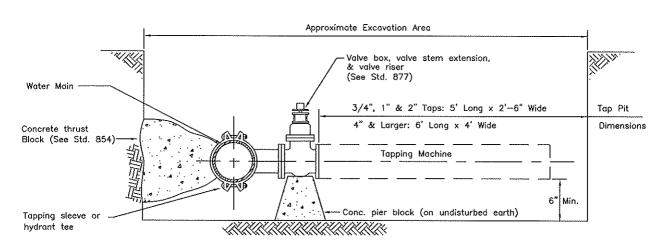












TAPPING SLEEVE & VALVE

To be used on pipe 2" to 12"

TAPPING SLEEVES

(See Engineer's Approved List for Std. 866/867)

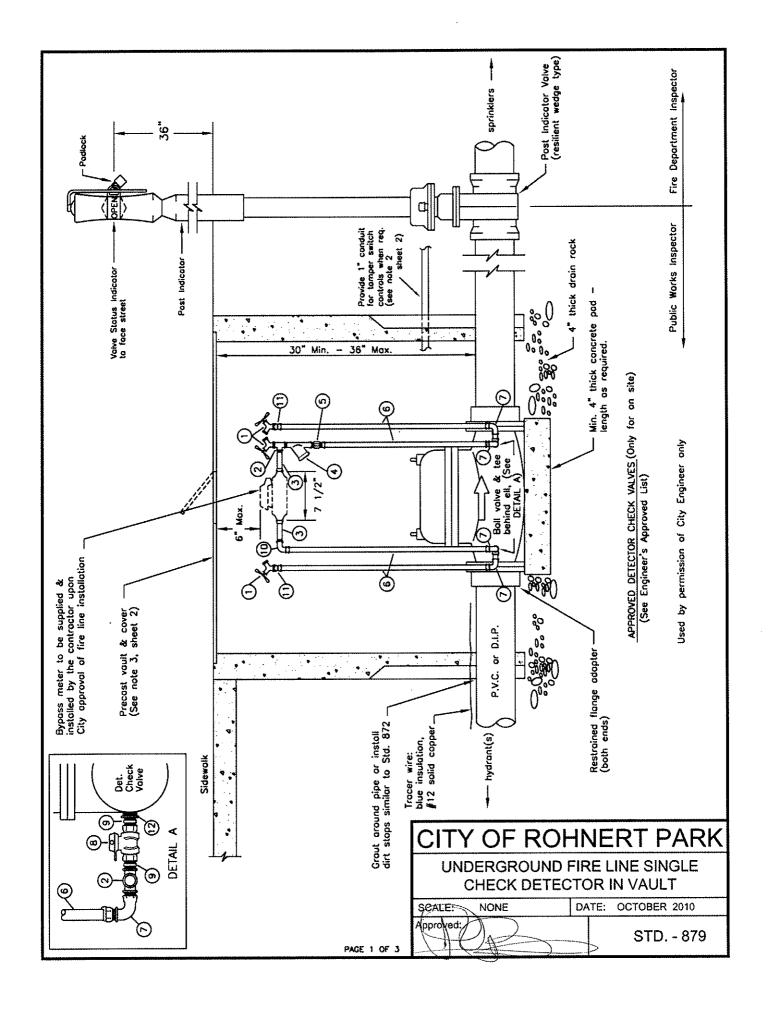
NOTES:

- All external bolts and nuts on valves shall be 304 stainless steel
 or the entire valve shall be wrapped tightly with polyethylene film
 held securely with adhesive tape.
- 2. Taps shall be made by Contractor.
- Valves 2" to 12" shall be resilient wedge gate valves and valves larger than 12" shall be butterfly valves unless otherwise approved by the Utilities Dept.

CITY OF ROHNERT PARK

BUTTERFLY VALVE AND TAPPING VALVE

SGALE: NONE DATE: OCTOBER 2010
Approved STD. - 878



BY-PASS PARTS LIST

NO.	DESCRIPTION	QUANT.	PART SIZE OR MODEL NO.*
1,	HOSE BIB - MIP	3	3/4"
2.	TEE - FIP x FIP x FIP	3	3/4"
3.	SHORT MTR SPUD - 2" L	2	C38 - 23 - 2
4.	STRAIGHT CHK. VALVE - MIP x FIP	1	HS81 - 333
5.	ADAPTER - COMP x MIP	1	C84 - 33
6.	BRASS	VARIES	3/4"
7.	90° ADAPTER - COMP x MIP	4	L84 - 33
8.	STRAIGHT BALL VALVE - FIP x FIP	2	B11 - 33
9.	CLOSE NIPPLE	4	3/4"
10.	90° ADAPTER - COMP x FIP	1	L14 - 33
11.	ADAPTER - COMP * FIP	2	C14 - 33
12.	BUSHING	2	3/4" x VARIES

^{*} FORD MODEL NO'S ARE GIVEN. SUBMIT SUBSTITUTIONS FOR APPROVAL.

NOTES:

- The post indicator valve shall be installed as close as possible to the detector check vault. If a post indicator cannot be installed, an O.S. & Y. valve with locking chain must be installed inside the vault on the property side of the detector check with approval from the City Utilities Department.
- The installation shall be provided with electronic supervision monitoring when required by the Fire Department.
- 3. Refer to vault size chart for proper size. Should an O.S. & Y. valve be installed in the vault, the vault size may need to be verified by the Contractor. See the engineer's approved list for approved vaults and covers.
- 4. All fire line services to the post indicator valve shall be tested by the Fire Services Construction inspection section per City of Rohnert Park Construction Specifications. All on-site fire lines, hydrants, and the P.I.V. shall be tested & inspected by the Fire Dept. per City Fire Code.
- Double check detector check valve assembly with bypass double check shall be installed where an underground fire suppression system enters private property. Installation details shall be approved by the Utilities Dept. prior to installation. (See Std. 880).
- 6. The fire department connection shall be installed and located as required by the Fire Department.
- Past indicator valves shall be locked with a break-away lock. The top of the P.I.V. shall not be less than thirty—six inches (36") above finished grade.
- 8. Use only downstream of double detector check backflow preventer.
- 9. Single check valves may only be used in addition to a double detector check valve.

VAULT SIZES			
D.C. SIZE	WIDTH	LENGTH	
4*	4'	4,	
6*	4'	4'	
8"	5'	5'	
10"	5'	5'	

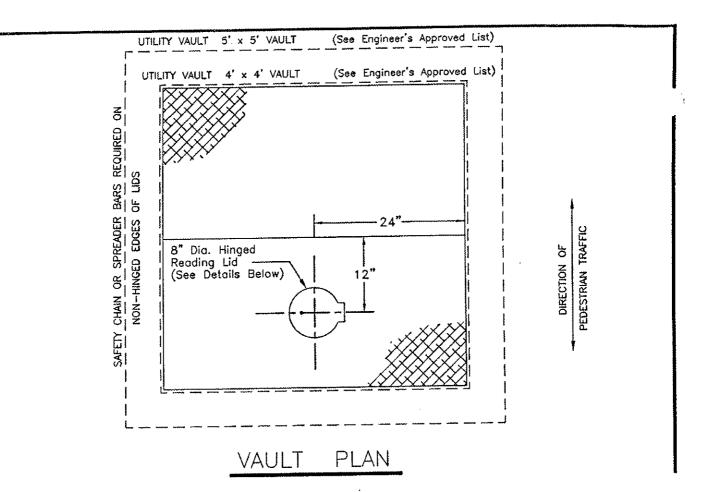
CITY OF ROHNERT PARK

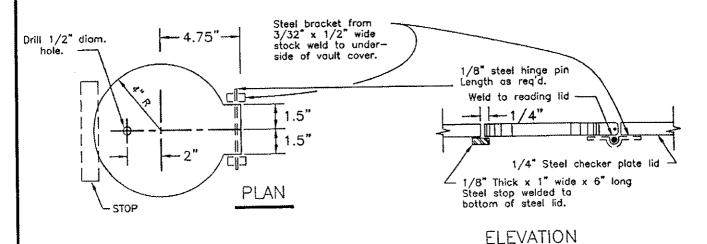
UNDERGROUND FIRE LINE SINGLE
CHECK DETECTOR IN VAULT

SCALE NONE DATE: OCTOBER 2010

Approved STD. - 879

PAGE 2 OF 3





READING LID DETAILS

N.T.S.

NOTES

- Reading lid shall be centered over the by-pass meter.
- 2. Galvanize coat all parts after welding.

 Vaults that are to be placed in pedestrian way must have lids with "all—grip" surface in lieu of galvanizing.

CITY OF ROHNERT PARK

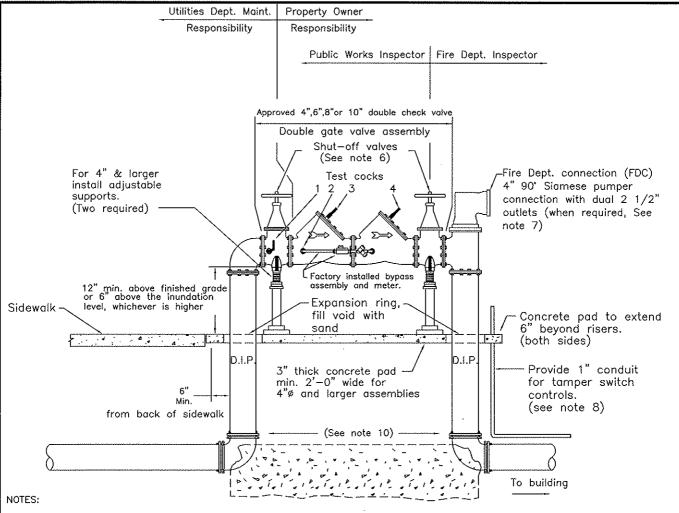
UNDERGROUND FIRE LINE SINGLE CHECK DETECTOR IN VAULT

SCALE: NONE DATE: JANUARY 2008

Approved:
Damplin

STD. - 879

PAGE 3 OF 3



1. This Standard is required for:

- a.) all connections serving commercial fire sprinkler systems.
 b.) any fire line connections to properties with auxiliary water supplies.
- c.) sites with multiple fire line connections to the City water system.
- Approved double check detector backflow assemblies shall be shown on "List of approved backflow devices" of latest revision, by the University of Southern California Foundation for Cross Connection Control & Hydraulic Research.
- 3. All test valves shall be fitted with 1/4" female test cocks.
- 4. Double check detector assembly shall be located as close as possible to the sidewalk or public right-of-way.
- 5. Any cover or screening for this assembly must have both Fire Department & Engineering Department approval prior to installation.
- 6. Shut-off valves to be resilient wedge type O.S. & Y and will be chained and padlocked in the open position.
- 7. Must have specific approval of the Fire Dept. prior to installation. Location to be determined by the Fire Dept.
- The installation shall be provided with electronic supervision monitoring when required required by the Fire Department.

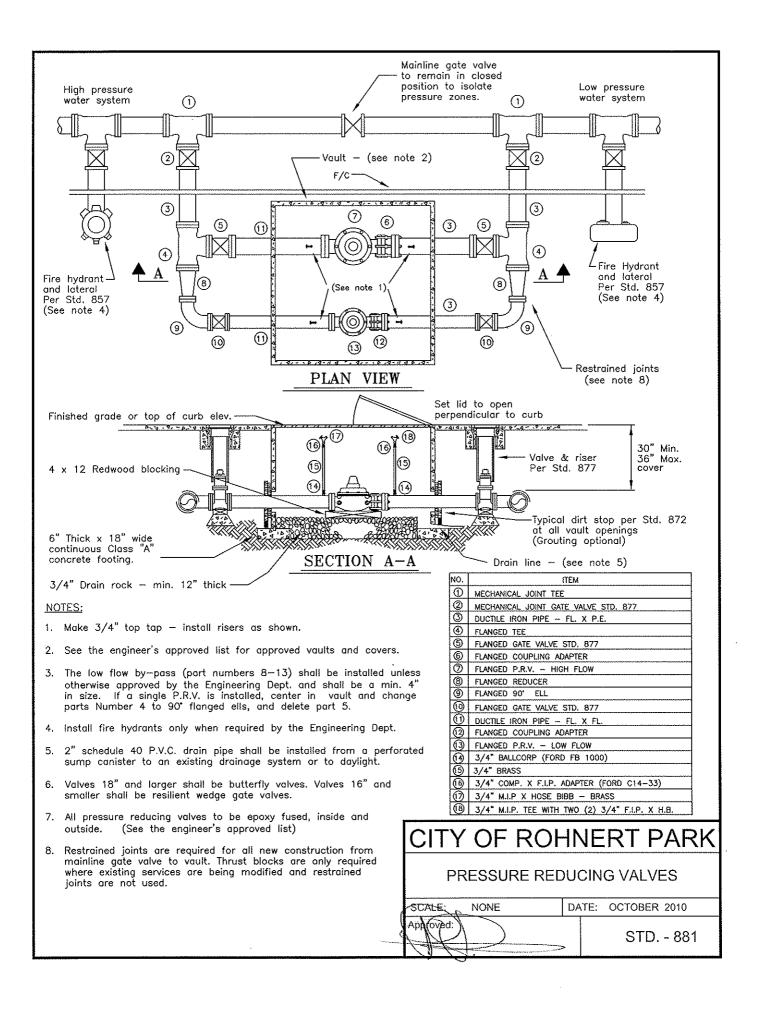
9. Double check detector shall be the same size as the fire line except when a 12" fire line is required, then a 10" double detector check backflow assembly is required.

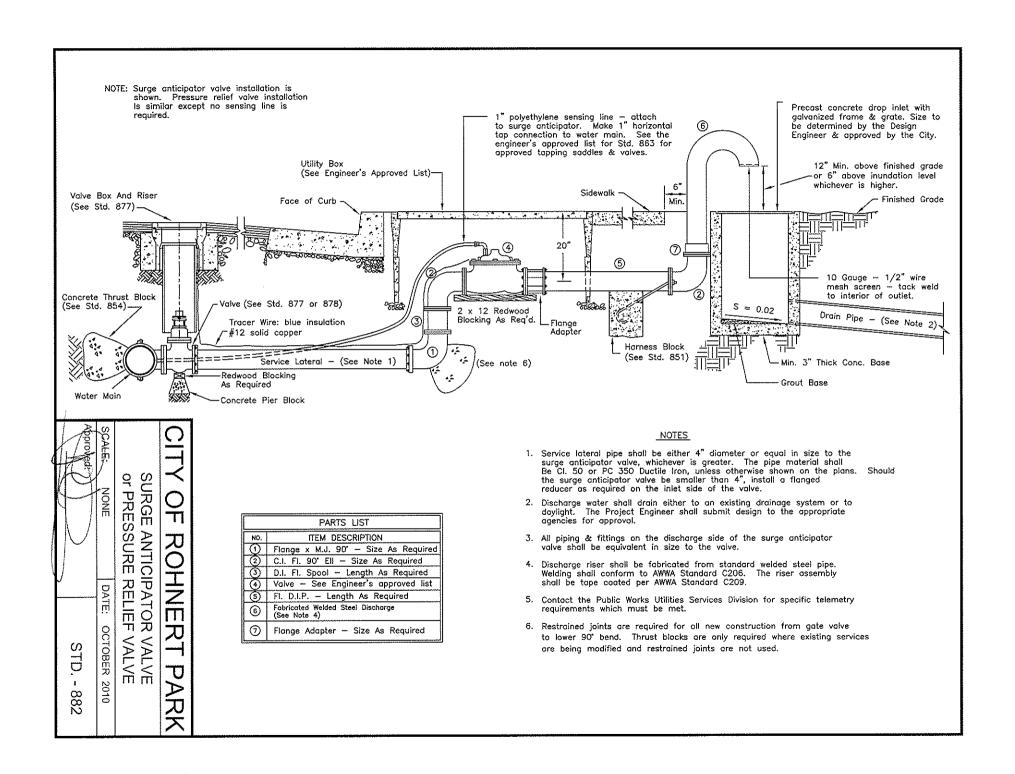
10. Restrained joints are required for all new construction from gate valve to 90° ell. Thrust blocks are only required where existing services are being modified and restrained joints are not used.

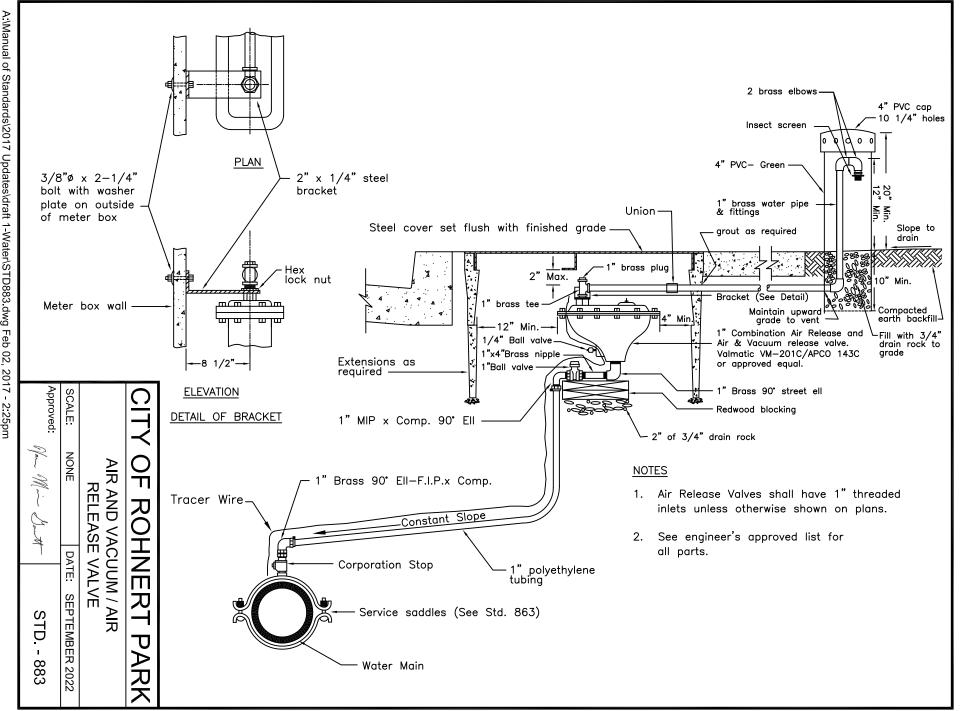
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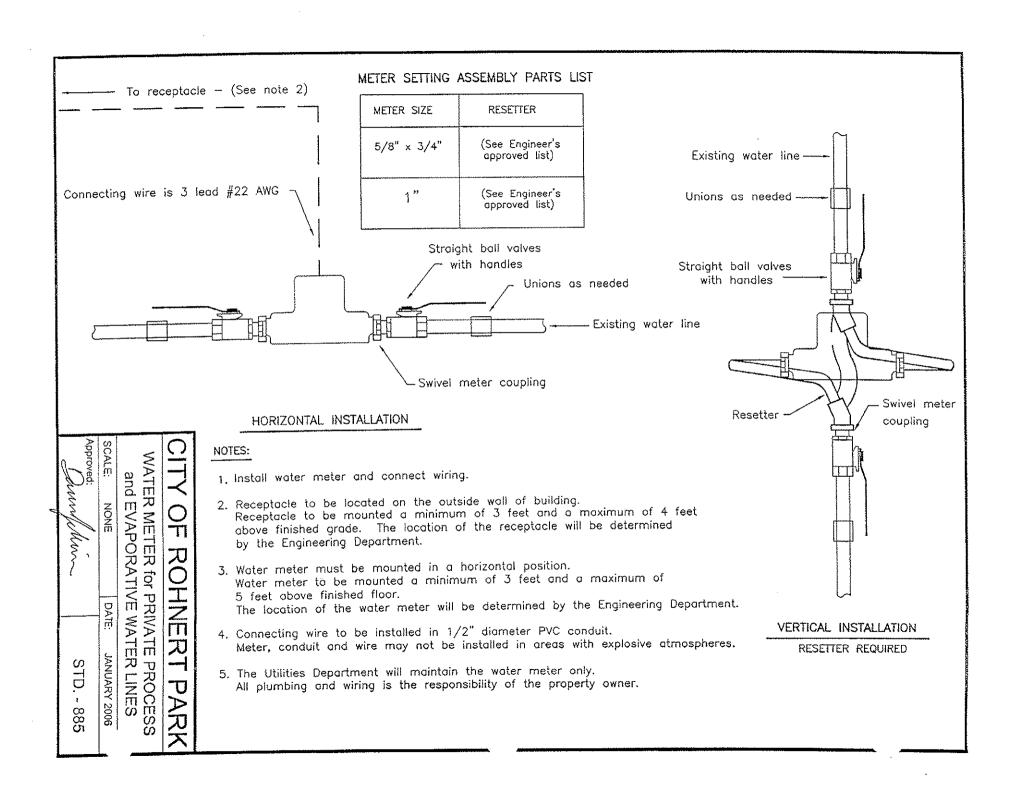
DOUBLE CHECK DETECTOR FIRE LINE BACKFLOW ASSEMBLY

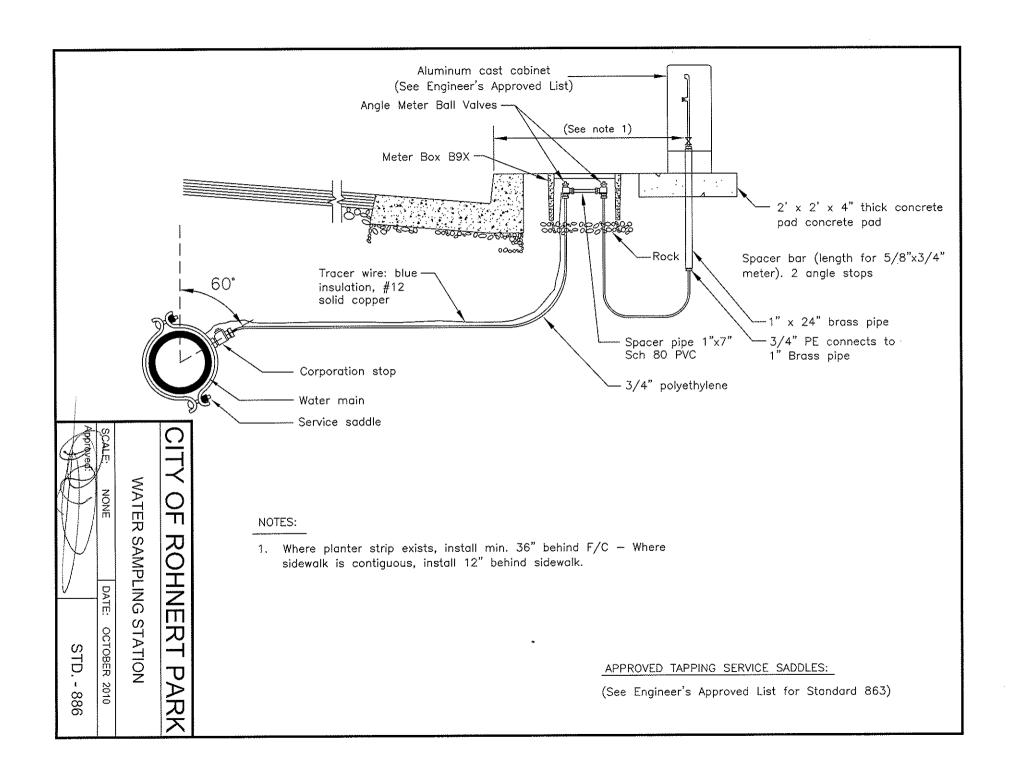
SCALE: NONE DATE: OCTOBER 2010 STD. - 880

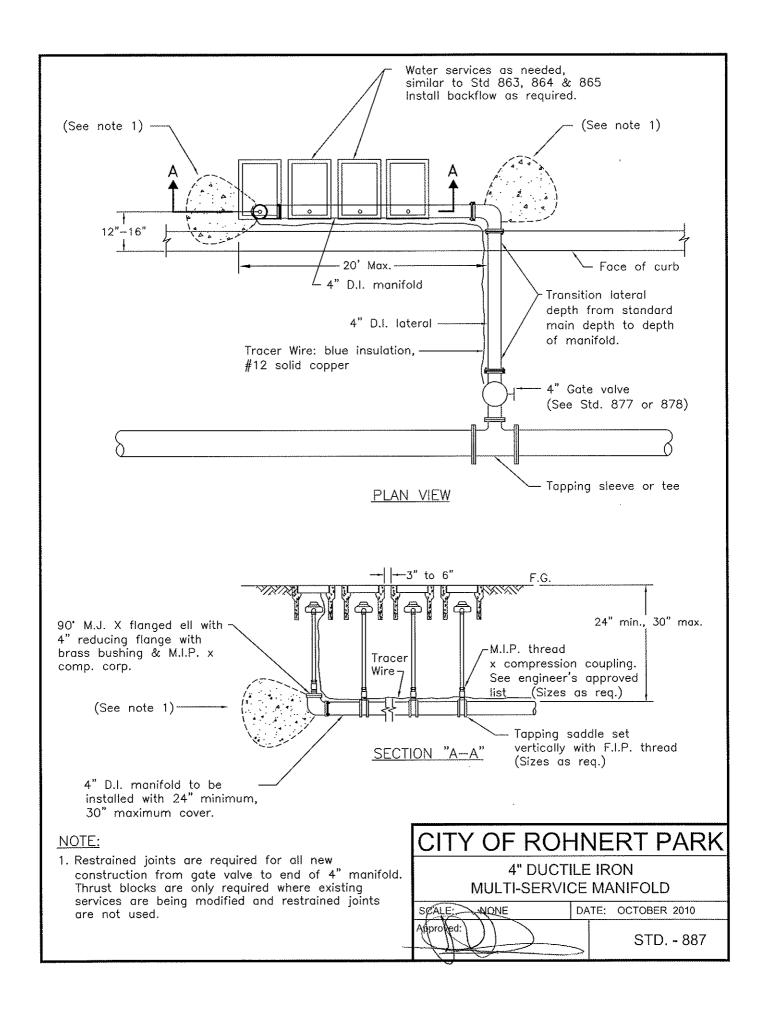


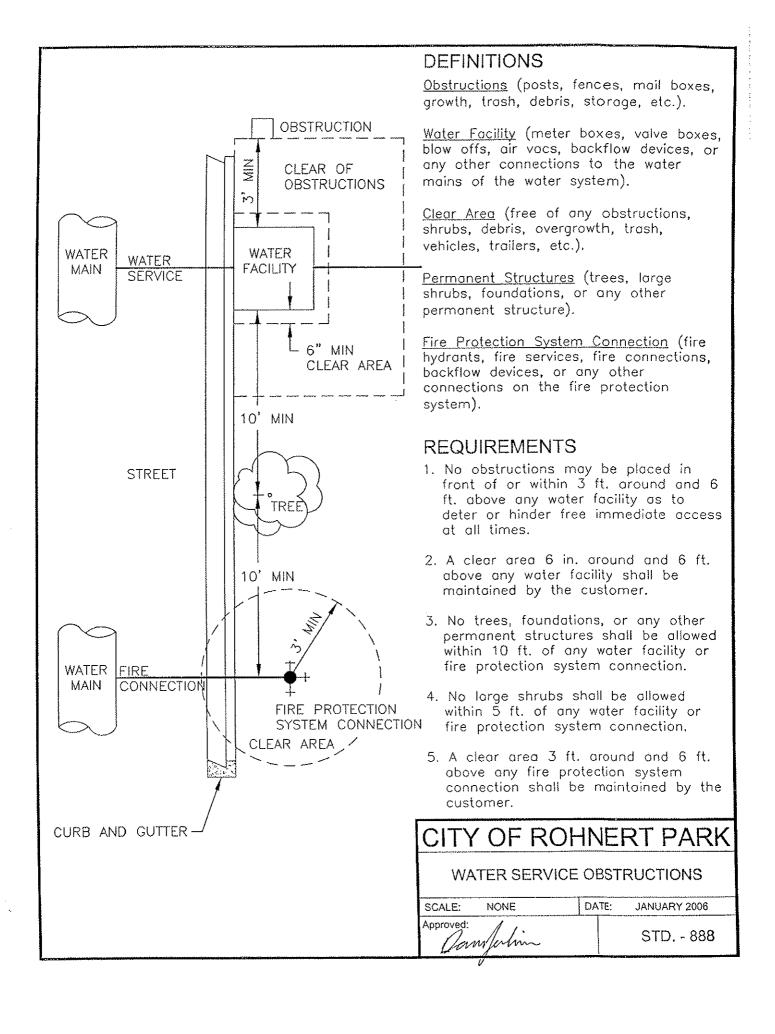


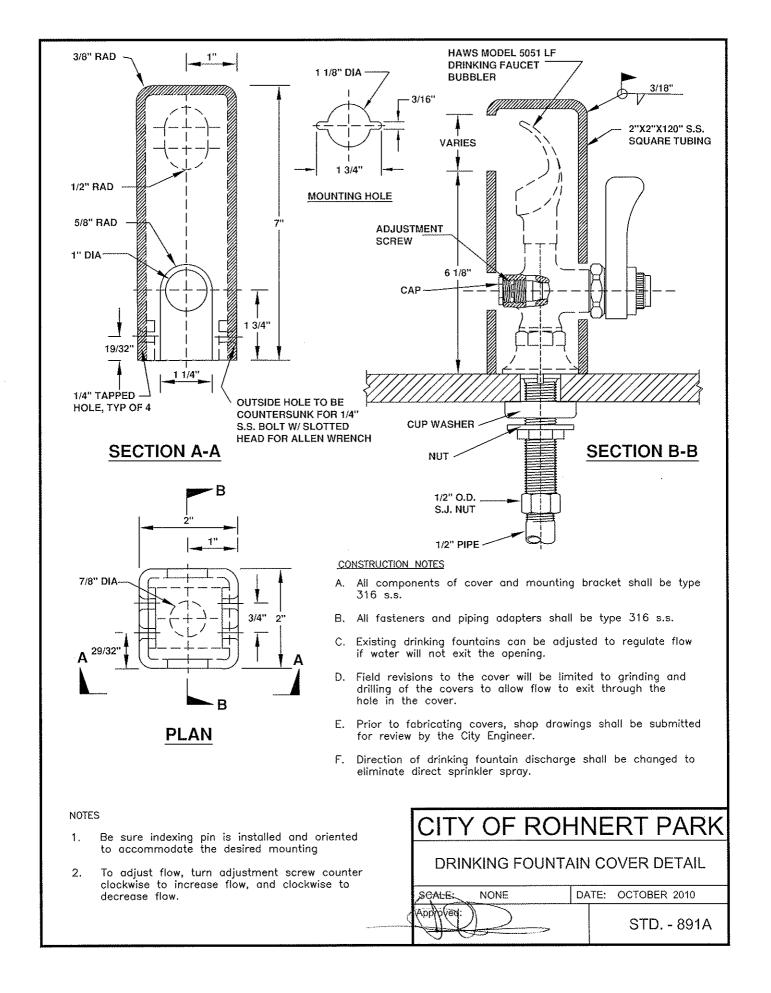


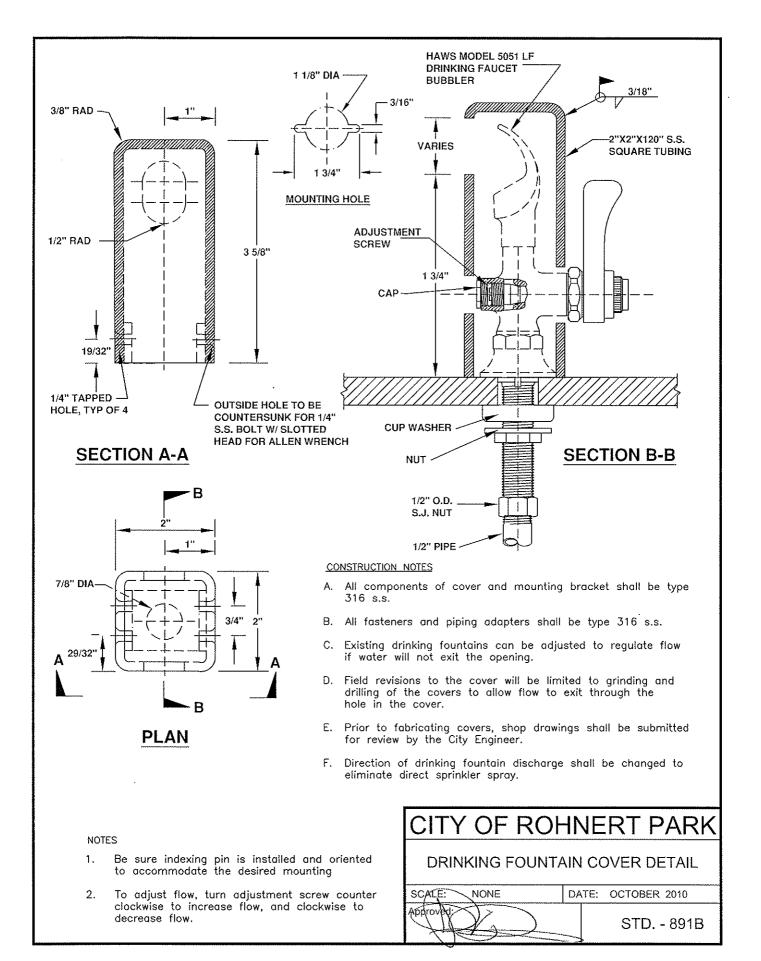


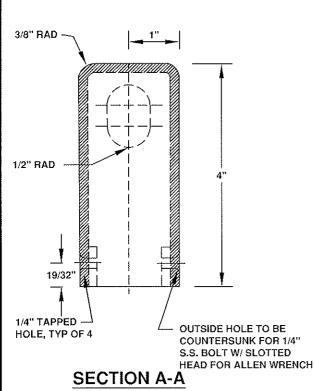


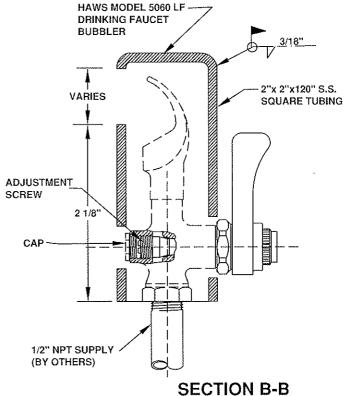


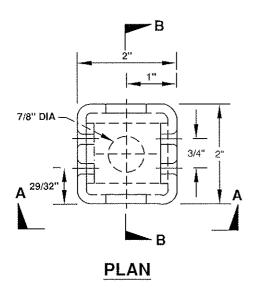












CONSTRUCTION NOTES

- A. All components of cover and mounting bracket shall be type 316 s.s.
- B. All fasteners and piping adapters shall be type 316 s.s.
- C. Existing drinking fountains can be adjusted to regulate flow if water will not exit the opening.
- D. Field revisions to the cover will be limited to grinding and drilling of the covers to allow flow to exit through the hole in the cover.
- E. Prior to fabricating covers, shop drawings shall be submitted for review by the City Engineer.
- F. Direction of drinking fountain discharge shall be changed to eliminate direct sprinkler spray.

NOTES:

 To adjust flow, turn adjustment screw counter clockwise to increase flow, and clockwise to decrease flow.

CITY OF ROHNERT PARK DRINKING FOUNTAIN COVER DETAIL SCALE: NONE DATE: OCTOBER 2010 Approved: STD. - 891C