ATTACHMENT A
SOLE SOURCE FACILITY JUSTIFICATION TRANSMITTAL

Public Contract Code section 3400 provides, in pertinent part, that:

"(a) The Legislature finds and declares that it is the intent of this section to encourage contractors and manufacturers to develop and implement new and ingenious materials, products, and services that function as well, in all essential respects, as materials, products, and services that are required by a contract, but at a lower cost to taxpayers.

(b) No agency of the state, nor any political subdivision, municipal corporation, or district, nor any public officer or person charged with the letting of contracts for the construction, alteration, or repair of public works, shall draft or cause to be drafted specifications for bids, in connection with the construction, alteration, or repair of public works, (1) in a manner that limits the bidding, directly or indirectly, to any one specific concern, or (2) calling for a designated material, product, thing, or service by specific brand or trade name unless the specification is followed by the words "or equal" so that bidders may furnish any equal material, product, thing, or service. In applying this section, the specifying agency shall, if aware of an equal product manufactured in this state, name that product in the specification. Specifications shall provide a period of time prior to or after, or prior to and after, the award of the contract for submission of data substantiating a request for a substitution of "an equal" item. If no time period is specified, data may be submitted any time within 35 days after the award of the contract.

(c) Subdivision (b) is not applicable if the awarding authority, or its designee, makes a finding that is described in the invitation for bids or request for proposals that a particular material, product, thing, or service is designated by specific brand or trade name for any of the following purposes:

(2) In order to match other products in use on a particular public improvement either completed or in the course of completion."

Rainbird Quick Coupling Valves

This is a sole source procurement because:

- ☐ This is a sole provider of items compatible with existing equipment or systems.
- ☑ This is a sole provider of items compatible with existing equipment or systems.
- ☐ This is a sole provider of factory-authorized warranty service.
- ☐ This is a sole provider of goods or services that perform a unique function in order to meet the specialized needs of the District. Please provide specific detail below.

  The District has always used Rainbird coupling valves. This sole source request allows for one (1) key to be used around campus when connecting valves instead of multiple keys.

- ☑ There are overriding circumstances which negate the benefit of compliance with applicable code and District policy regarding competitive bidding processes. Below are specific details below as to what those circumstances are, and why this sole source procurement would be in the best interest of the District.

Rainbird is the sole manufacturer of the Quick Coupling Valve which has been used on the District's campuses for many years.

- Risk of having multiple keys for different types of coupling values.
- Storage and key control issues having multiple coupling valve keys.
- Cost of additional training of staff keying systems if not standardized on one coupling key.

What steps were taken to verify that these goods or services are not available elsewhere?

> **See Supplier and Contractor Information Page Below For Contact Details.**
> Each vendor was asked whether or not their firm could provide service, maintenance and monitoring to the Rainbird Quick Coupling Valves without removing, replacing or otherwise modifying the current equipment?

This is a restricted brand or trade name, and no substitutions are allowed because:

☑ The requested product is an integral repair part or accessory compatible with existing landscaping and irrigation systems.

Equipment/System:	Quick Coupling Valve
Manufacturer/Model Number:	Rainbird, Quick Coupling Valve 44-LRC (Locking Rubber Cover)

☑ The District has standardized on the requested product, and use of another brand/model would require considerable time and funding to evaluate or implement. Please provide details below:

The District has standardize on the Rainbird quick coupling valve to allow for one (1) key to be used around all campuses when connecting systems.

Supplier or Contractor Information:
Rainbird
1000 W. Sierra Madre Ave.
Azusa, CA 91702
(626)963-9311

RECOMMENDATION
Sufficient evidence has been provided upon which the Board can find that the exception found in Public Contract Code section 3400 (c) (2) applies to the identified product(s). Approve a finding to authorize use of the above stated exception for Quick Coupling Valves in the MiraCosta Design Standards Manual for all the projects in the MM program. Require that said finding be included in all pertinent bid/proposal documents for those projects where such product(s) will be used.

SIGNATURE:

Tom Macias, Facilities Director — **Date** 9/14/18

Geoff Bachanas, PMO Director — **Date** 9/17/18

steinberg hart

ATTACHMENT B
SOLE SOURCE ARCHITECT/ENGINEERING JUSTIFICATION SUMMARY REPORT TRANSMITTAL

September 1, 2018

Re: Rainbird Quick Coupling Valves

Within the Design & Construction Standards MiraCosta CCD has identified or designed various proprietary systems or products that meet specific District performance requirements, allow for seamless integration into existing systems, provide ease of maintenance, and afford a lower total cost of ownership. In these instances, the District is requesting that these systems and products shall be provided without substitution. The following Specification Section 32 84 00 is one that meets these special requirements.

Our experience working with other Colleges and Universities shows that single sources for some materials, products, equipment, and systems is a common approach to achieving best value.

We have reviewed the facility justification transmittal for the above-referenced item and believe that the District's sole-sourcing of this specification section meets the requirements for District's benefit as described above.

Sincerely,

Joe Sion
Associate Principal/Senior Manager

523 W 6th Street #245
Los Angeles CA 90014

Quick-Coupling Valves

Convenient water access in potable and non-potable systems

Features

- Industrial-strength brass quick-coupling valves for convenient water access in potable and non-potable systems.
- Rugged, red brass construction for long life and reliable performance.
- Reliable leak proof operation with strong corrosion-resistant stainless steel spring.
- Optional locking cover on models 33-DLRC, 44-LRC, 5-LRC, 33-DNP,
- 44-NP, and 5-NP (use * 2049 key to unlock). Metal cover on model 7 only
- One-piece body design (models 3-RC, 5-RC and 7)
- Two-piece body design for easy servicing (models 33-DLRC, 33-DRC, 44-LRC, 44-RC, 33-DNP, 44-NP, and 44-NP ACME)
- Thermoplastic rubber cover for durability
- 33-DNP, 44-NP, 44-NP ACME, and 5-NP covers marked with "Do Not Drink!" warnings in English and Spanish
- Three-year trade warranty

Specifications

- Pressure: 5 to 125 psi (0.35 to 8.63 bar)
- Flow: 10 to 125 gpm (2.27 to 28.38 m^3/h; 37.8 to 473 l/m)
- 33-DNP, 44-NP and 5-NP flow: 10 to 70 gpm (2.27 to 15.89 m^3/h; 37.8 to 265 l/m)

Models

- 3-RC: 3/4" (20/27) Rubber Cover, 1-Piece Body
- 33-DRC: 3/4" (20/ 27) Double Track Key Lug, Rubber Cover, 2-Piece Body
- 33-DLRC: 3/4" (20/27) Double Track Key Lug, Locking Rubber Cover, 2-Piece Body
- 44-RC: 1" (26/34) Rubber Cover, 2-Piece Body
- 44-LRC: 1" (26/34) Locking Rubber Cover, 2-Piece Body
- 5-RC: 1" (26/34) Rubber Cover, 1-Piece Body
- 5-LRC: 1" (26/34) Locking Rubber Cover, 1-Piece Body
- 7: 1 1/2" (40/49) Metal Cover, 1-Piece Body
- 5-RC-BSP: 1" (26/34) Rubber Cover, 1-Piece Body, BSP threaded

Quick Coupling Valves

Quick-Coupling Valve Cutaway

33-DNP, 44-NP, 44-NP ACME

7

3-RC, 5-RC, 5-LRC

33-DRC, 33-DLRC, 44-RC, 44-LRC

- 5-LRC-BSP: 1" (26/34) Locking Rubber Cover, 1-Piece Body, BSP threaded
- 33-DNP: 3/4" (20/27) Non-potable, Purple Locking Rubber Cover, 2-Piece Body
- 44-NP: 1" (26/34) Non-potable, Purple Locking Rubber Cover, 2-Piece Body
- 44-NP ACME: 1" (26/34) Non-potable, Purple Locking Rubber Cover, 2-Piece Body, ACME thread
- 5-NP: 1" (26/34) Non-potable, Purple Locking Rubber Cover, 1-Piece Body

Note: *For non-US applications, it is necessary to specify NPT or BSP thread type*

Dimensions (height)

- 3-RC: 4 1/4" (10.8 cm)
- 33-DRC: 4 3/8" (11.1 cm)
- 33-DLRC: 4 5/8" (11.7 cm)
- 44-RC: 6" (15.2 cm)
- 44-LRC: 6" (15.2 cm)
- 5-RC: 5 1/2" (14.0 cm)
- 5-LRC: 5 1/2" (14.0 cm)
- 7: 5 3/4" (14.6 cm)
- 33-DNP: 4 3/8" (11.1 cm)
- 44-NP: 6" (15.2 cm)
- 44-NP ACME: 6" (15.2 cm)
- 5-NP: 5 1/2" (14.0 cm)

How To Specify

33 - DLRC

Model	Cover	Thread
33	RC	Blank: NPT
44	DRC	BSP: 5-RC, 5-IRC only
5	DLRC	ACME: 44-NP only
7	LRC	
	DNP	
	NP	

Note: *This specifies a 33-DLRC valve: 3/4" (20/27) quick coupling type; optional locking cover.*

Specifications

33-DNP, 44-NP, 44-NP ACME - Two Piece Quick Coupling Valve (Non-Potable)

The quick coupling valve shall be a two piece type capable of having a discharge rate of ___units with a pressure loss not to exceed ___ units.

The valve shall be constructed of red brass and shall have a purple, thermoplastic, locking rubber cover with molded-in warnings of "DO NOT DRINK" in English and Spanish, for use on systems using non-potable water.

The valve shall be opened and closed by a brass key of the same manufacturer having a ___" (MNPT) and ___" (FNPT) outlet. The valve throat shall have a key-way with detent positions for regulating water flow.

QUICK COUPLING VALVES - 3-RC, 5-RC, 5-LRC, 7 - One Piece Quick Coupling Valve

The quick coupling valve shall be a one-piece type capable of having a discharge rate of ___ units with a pressure loss not to exceed ___ units.

The valve body shall be constructed of red brass. The cover shall be a durable, protective self-closing rubber cover. When so specified, the cover shall be a locking rubber cover (LRC).

The valve shall be opened and closed by a brass key of the same manufacturer having a ___" (MNPT) and ___" (FNPT) outlet. The valve throat shall have a key-way with detent positions for regulating water flow.

*** Cover Key** - Model 2049

- Locks and unlocks the optional locking cover (LRC) on quick coupling valves.
- Operates the valve marker compression lock.

33-DRC, 33-DLRC, 44-RC, 44-LRC- Two Piece Quick Coupling Valve

The quick coupling valve shall be a two piece type capable of having a discharge rate of ___units with a pressure loss not to exceed ___ units.

The valve body shall be constructed of red brass. The cover shall be a durable, protective self-closing rubber cover. When so specified, the cover shall be a locking rubber cover (LRC).

The valve shall be opened and closed by a brass key of the same manufacturer having a ___" (MNPT) and ___" (FNPT) outlet. The valve throat shall have a key-way with detent positions for regulating water flow.

Quick Coupling Valve Keys

TOP PIPE THREADS					
VALVE	KEY	MALE		FEMALE	
3-RC	33DK	¾"	19 mm	½"	13 mm
33-DRC	33DK	¾"	19 mm	½"	13 mm
33-NP	33DK	¾"	19 mm	½"	13 mm
44-NP	44K	1"	25 mm	¾"	19 mm
44-NP ACME	44KA	1"	25 mm	¾"	19 mm
44-RC	44K	1"	25 mm	¾"	19 mm
5-RC	55K1	1"	25 mm	—	—
5-NP	55K1	1"	25 mm	—	—
7	7K	1½"	38 mm	—	—

NOTE:
FURNISH FITTINGS AND PIPING NOMINALLY SIZED IDENTICAL TO NOMINAL QUICK COUPLING VALVE INLET SIZE.

Quick-Coupling Valves Pressure Loss (psi)

Flow	3-RC	33-DRC 33-DLRC 33-DNP	44-RC 44-LRC 44-NP 44-NP ACME	5-RC 5-LRC 5-NP	7
gpm	¾"	¾"	1"	1"	1½"
10	1.8	2	-	-	-
15	4.7	4.3	2.2	-	-
20	7.2	7.6	4.4	-	-
30	-	-	11.5	4.1	-
40	-	-	-	7.3	-
50	-	-	-	11	1.7
60	-	-	-	15.7	2.5
70	-	-	-	21.5	3.6
80	-	-	-	-	4.9
100	-	-	-	-	8.4
125	-	-	-	-	14

Quick-Coupling Valves Pressure Loss (bar) METRIC

Flow		3-RC	33-DRC 33-DLRC 33-DNP	44-RC 44-LRC 44-NP 44-NP ACME	5-RC 5-LRC 5-NP	7
m³/h	l/m	1.9 cm	1.9 cm	2.5 cm	2.5 cm	3.8 cm
2.3	38	0.12	0.12	-	-	-
4	67	0.41	0.42	0.23	-	-
5	83	0.57	0.62	0.40	-	-
6	100	-	-	0.62	-	-
7	117	-	-	0.83	0.30	-
8	133	-	-	-	0.40	-
9	150	-	-	-	0.50	-
10	167	-	-	-	0.61	-
12	200	-	-	-	0.85	0.13
14	233	-	-	-	1.15	0.18
16	267	-	-	-	1.50	0.25
22	367	-	-	-	-	0.54
28	473	-	-	-	-	0.97

**Loss values are with flow control fully open.*
1) Rain Bird recommends flow rates in the supply line not to exceed 7.5 ft/sec (2,3 m/s) in order to reduce the effects of water hammer.
2) For flows below 5 gpm (1 m3/h; 32 l/s) Rain Bird recommends use of upstream filtration to prevent debris from collecting below the diaphragm.
3) For flows below 10 gpm (2 m3/h; 63 l/s) Rain Bird recommends that the flow control stem be turned down two full turns from the fully open position. PRS-B module is recommended for use only at flow rates in areas below solid line.

Rain Bird Corporation
6991 E. Southpoint Road
Tucson, AZ 85756
Phone: (520) 741-6100
Fax: (520) 741-6522

Rain Bird Corporation
970 West Sierra Madre Avenue
Azusa, CA 91702
Phone: (626) 812-3400
Fax: (626) 812-3411

Rain Bird International, Inc.
1000 West Sierra Madre Ave.
Azusa, CA 91702
Phone: (626) 963-9311
Fax: (626) 852-7343

Rain Bird Technical Services
(800) RAINBIRD (1-800-724-6247)
(U.S. and Canada)

Specification Hotline
800-458-3005 (U.S. and Canada)

The Intelligent Use of Water™
www.rainbird.com

® Registered Trademark of Rain Bird Corporation
© 2017 Rain Bird Corporation 9/17

D38950QEO

Sole Source Item 18 - Rainbird Quick Coupling Valves