

List of Exhibits

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7	B	Delivered Groundwater Facilities Site; Right of Way
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13	E	RCWD Water System Facility Requirements
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Exhibit A

**Delivered Groundwater Facilities**











1  
2  
3

**Exhibit B**

**Delivered Groundwater Facilities Site; Right of Way**

**EXHIBIT "A"**

**RCWD  
WATER EASEMENT**

That portion of Lot "E" of Little Temecula Rancho (Pechanga Indian Reservation) in Unincorporated Territory of the County of Riverside, State of California, as set apart in the Decree of Partition Recorded June 28, 1892 in Book 199, Page 454 of Deeds, Records of San Diego County, California, included within a strip of land 12.00 feet in width the centerline of said strip being described as follows:

**COMMENCING** at the centerline intersection of Via Eduardo with Pechanga Parkway (Pala Road) as shown on the map filed in Book 112, Pages 55 and 56 of Records of Survey in the office of the County Recorder of said Riverside County;

thence along the centerline of said Pechanga Parkway (Pala Road) South 47°44'32" East 216.90 feet to the **TRUE POINT OF BEGINNING**;

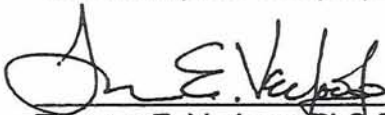
thence South 42°15'18" West 49.00 feet;

thence South 47°44'32" East 26.45 feet to the **POINT OF TERMINATION**.

**CONTAINING:** 905 square feet, more or less.

**EXHIBIT "B"** attached hereto and by this reference made a part hereof.

This description was prepared by me or under my direction.

  
Thomas E. Verloop, RLS 5348,  
My license expires 12/31/07

12/8/2006  
Date:



RBF CONSULTING  
40810 County Center Drive, Suite 100  
Temecula, CA 92591-6022

December 8, 2006  
JN 15101569-M1  
Page 1 of 1

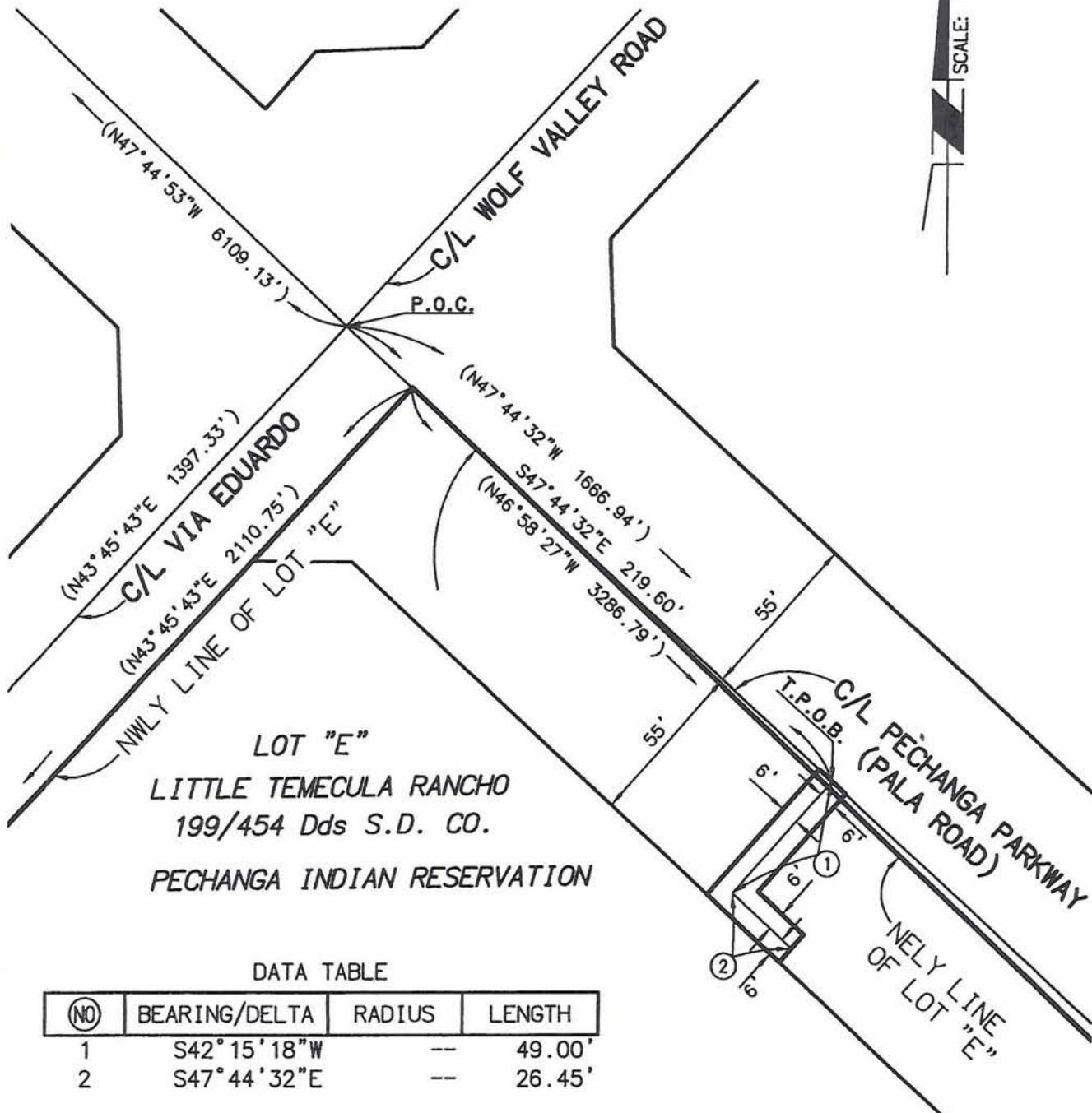


50 0 50 100 150



SCALE: 1"=50'

SCALE: 1"=50'



LOT "E"  
 LITTLE TEMECULA RANCHO  
 199/454 Dds S.D. CO.  
 PECHANGA INDIAN RESERVATION

DATA TABLE

(NO)	BEARING/DELTA	RADIUS	LENGTH
1	S42° 15' 18" W	--	49.00'
2	S47° 44' 32" E	--	26.45'

( ) = INDICATES RECORD DATA PER RECORD OF SURVEY 112/55-56.

**EXHIBIT "B"**  
**RCWD**  
**WATER EASEMENT**



PLANNING ■ DESIGN ■ CONSTRUCTION

40810 COUNTY CENTER DRIVE, SUITE 100  
 TEMECULA, CALIFORNIA 92591-6022  
 951676.8042 • FAX 951676.7240 • www.RBF.com

DECEMBER 08, 2006

SCALE  
 1"=50'

JOB NO.  
 15101569-M1

H:\PDATA\15101569\CADD\MAPPING\1569EX001.DWG TVERLOOP 12/8/06 11:31 am

RBF CONSULTING

JOB ID : 15101569

DATE 12/08/2006 AT 11:51:23

FILE NAME : H:\PDATA\15101569\CADD\MAPPING\1569EX001.TRV

TRAVERSE OF : water easement CL - open

-- TRAV # 1

BEARING	DISTANCE		NORTHING	EASTING	
	STARTING	AT	2111927.8720	6300070.9850	PT # 2019
S 47-44-32.00 E	219.6000	TO	2111780.1982	6300233.5169	PT # 2020
S 42-15-28.00 W	49.0000	TO	2111743.9320	6300200.5660	PT # 2021
S 47-44-32.00 E	26.4500	TO	2111726.1452	6300220.1423	PT # 2022

ERROR OF CLOSURE      NORTH = 0.0038192              EAST = -0.0042732

BEARING      N 48-12-40.00 W              DISTANCE = 0.0057

(OPEN TRAVERSE) AREA = 0.0 SF              0.0000 ACRES

RBF CONSULTING

JOB ID : 15101569

DATE 12/08/2006 AT 11:51:23

FILE NAME : H:\PDATA\15101569\CADD\MAPPING\1569EX001.TRV

TRAVERSE OF : Water Easement area

-- TRAV # 2

BEARING	DISTANCE		NORTHING	EASTING		
		STARTING AT	2111784.2361	6300229.0726	PT #	2025
S 47-44-32.00 E	12.0000	TO	2111776.1665	6300237.9542	PT #	2026
S 42-15-28.00 W	43.0000	TO	2111744.3410	6300209.0381	PT #	2027
S 47-44-32.00 E	20.4500	TO	2111730.5890	6300224.1737	PT #	2028
S 42-15-28.00 W	12.0000	TO	2111721.7075	6300216.1041	PT #	2023
N 47-44-32.00 W	32.4500	TO	2111743.5291	6300192.0869	PT #	2024
N 42-15-28.00 E	55.0000	TO	2111784.2361	6300229.0726	PT #	2025

ERROR OF CLOSURE    NORTH = 0.0000000            EAST = 0.0000000  
 BEARING            N 90-00-00.00 E            DISTANCE = 0.0000  
 AREA = 905.4 SF            0.0208 ACRES  
 PERIMETER = 174.9000

1  
2  
3

Exhibit C  
Reservation





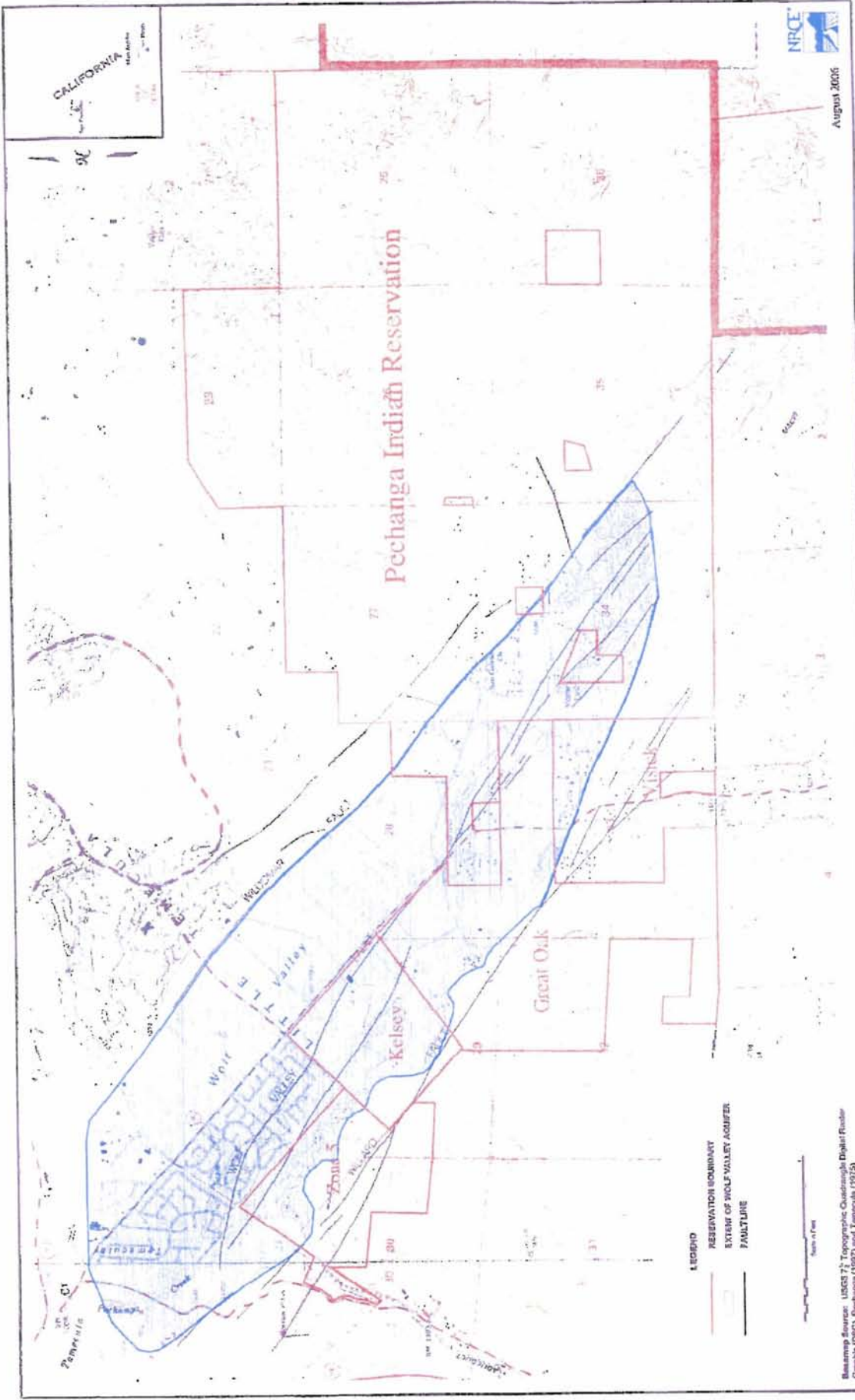
Exhibit C

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**Exhibit D**

**Wolf Valley Groundwater Basin**





Basemap Source: USGS 7.5 Topographic Quadrangle Digital Elevation Graphic (DEG), Pechanga (1997) and Fremont (1995)

Exhibit E.15: Wolf Valley Groundwater Basin

1  
2  
3  
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Exhibit E

**Rancho California Water District  
Water System Facility Requirements**



**RANCHO CALIFORNIA WATER DISTRICT  
WATER SYSTEM FACILITY REQUIREMENTS**

**AUGUST 1, 1991**

**RANCHO CALIFORNIA WATER DISTRICT  
28061 DIAZ ROAD  
TEMECULA, CALIFORNIA 92390  
AREA CODE 714 676-4101**

**RANCHO CALIFORNIA WATER DISTRICT  
WATER SYSTEM FACILITY REQUIREMENTS**

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**SECTION I**  
**INTRODUCTION**

8/1/91

## SECTION I INTRODUCTION

### A. GENERAL

To assure a reliable supply of water for the Rancho California area, the Rancho California Water District was formed in 1965 for the properties generally east of I-15. A companion Santa Rosa Ranches Water District was formed in 1968 for the properties generally west of I-15. The two Districts were consolidated under its present name in 1977.

The Rancho California Water District is a public agency governed by an elected seven-member Board of Directors to serve four-year staggered terms. The District is directed by its General Manager and three Division Directors; Finance, Operations and Maintenance, and Engineering.

Rancho California Water District supplies its customers water for potable and non-potable uses.

Potable water users are supplied from Rancho California Water District's potable production wells and Metropolitan Water District potable water aqueducts.

Non-potable water users are supplied from Vail Lake, Metropolitan Water District's non-potable aqueducts, and Rancho California Water District's non-potable production wells.

### B. POLICY

Rancho California Water District's basic policy is that the user benefitting from the service must pay for the cost of the necessary facilities. The District normally designs and constructs all primary facilities and the Developer normally designs and constructs all secondary facilities.

Primary facilities are those facilities required to produce and deliver water to each pressure zone from water sources, whether domestic or imported. Storage facilities, pumping stations, treatment facilities, water production wells, Metropolitan Water District aqueduct connections, and major supply pipelines are considered to be primary facilities.

Secondary facilities are designated as those facilities necessary to distribute the required waters throughout a pressure zone. Distribution mains, pressure reducing stations, and pipeline appurtenances are considered to be secondary facilities.

In some situations, minor pumping stations, reservoirs and transmission mains may be considered secondary facilities when their function can be entirely locally defined.

The District may elect, at its discretion, to oversize secondary facilities to meet anticipated future demands. In such cases, the District may fund the oversizing as a primary facility.

The District's General Manager, at his discretion, may allow deviations from these requirements. All requests for variances to these requirements must be in writing, stating the reasons for the request.



### C. REQUIREMENTS

1. Developer shall design, construct, and dedicate to Rancho California Water District the secondary water facilities in accordance with the requirements of Rancho California Water District.
2. Developer shall provide all financial arrangements necessary to plan, design, and construct the project.
3. Developer shall obtain and dedicate water utility right-of-way to Rancho California Water District. Water facilities must be in either dedicated road right-of-way or in easements granted to Rancho California Water District.
4. Developer shall pay current applicable fees (refer to District's Customer Guide Rates and Charges) in addition to completing those requirements listed above. Fees may include: Plan Checking Fees, Connection Charges, Inspection Fees, Added Facilities Charges, Zone of Benefit Fees, Front Footage Charges, Main Participation Charges or Primary Facilities Fees, Service Connection Fees, and Meter Charges. District staff should be consulted for current and applicable fees.
5. Rancho California Water District will review all drawings, and may revise, modify, or require redesign of any concepts, drawings, or details submitted. All concepts and drawings must be approved by the District's Engineering Manager and Director of Engineering.
6. The Developer shall provide the District with a corrosion site survey for all CML/CMC steel pipelines. If required, the Developer shall have a cathodic protection design performed by a qualified engineer.
7. Procedures for development of water systems are similar for Tract Map developments, Parcel Map developments, and single lot main extension developments. Most procedures and design requirements herein have been prepared for Tract Map developments, but certain portions apply to all water system development work within Rancho California Water District's service area.
8. When applicable, the Developer shall also submit for review all improvement drawings within existing or future public rights-of-way for approval by the City of Temecula, City of Murrieta, or County of Riverside Engineering Department. All plan check, inspection and permit fees required by the City/County shall be paid, and all other requirements of the City/County shall be fulfilled prior to any construction within the public rights-of-way.

**SECTION II**  
**PROCEDURES**  
**CONSTRUCTION DRAWING APPROVAL**

**SECTION II  
PROCEDURES  
CONSTRUCTION DRAWING APPROVAL**

**A. CONSTRUCTION DRAWINGS APPROVAL**

District staff will review all water construction drawings and may revise, modify, or require redesign of any concepts, drawings, or details submitted. All concepts and drawings must be approved by District staff. Construction must begin within one year of approval of Water Construction Drawings. If more than one year has elapsed, the project must go through plan check procedure again before starting construction. The steps required to obtain Water Facilities Construction Drawing approval are as follows:

1. Submit Engineering Service Application and Plan Check Deposit.
2. Submit Tract Water System and Hydraulic Network Analysis.
3. Submit first plan check.
4. Submit subsequent plan checks.
5. Submit original Construction Drawings for approval.
6. Provide District with drawings.

A flowchart for Construction Drawing Approval is shown in Appendix "A". A plan check status sheet to be used by District staff is shown in Appendix "B". Each required step is discussed in detail below:

1. Submit Engineering Service Application and Plan Check Deposit

The Engineering Service Application (available from the District) shall be completed and filed with the Engineering Services staff. The plan check deposit shall be submitted with the completed application. A copy of the Engineering Service Application is shown in Appendix "C".

2. Submit Tract Water System and Hydraulic Network Analysis

Approximately one week after receiving the completed engineering services application and the plan check deposit, District staff will provide hydraulic grade elevation at connections to the District system. District staff may, in addition, provide design recommendations for the water system.

Based on hydraulic grade elevations and design recommendations provided by the District, Developer shall submit to the District the following:

- a. One copy of the County of Riverside, City of Temecula, or City of Murrieta Conditions of Approval.
- b. Two copies of a master plan of the Tract with the proposed water facilities superimposed on same. Said plan shall show the node network, pipeline diameters, length, elevation at nodes, valve locations, and fire hydrant locations.



- c. Two copies of the hydraulic network analysis of the proposed water system.
- d. Fire flow letter from the appropriate fire protection agency, Riverside County Fire Department, Murrieta Fire Protection District, or California Division of Forestry.

Details regarding hydraulic network analysis are included in Section III, Design Criteria.

District staff will review the Tract Water System and the hydraulic network analysis and return one set with comments to the Developer. Minor revisions may be incorporated in the first plan check submittal. If major revisions are required, the Tract Water System and hydraulic network analysis shall be resubmitted until approved by District staff.

3. Submit First Plan Check

After review and approval of Tract Water System and hydraulic network analysis, Developer shall submit the following:

- a. Three copies of the water construction drawings.
- b. One copy of the sewer construction drawings.
- c. One copy of the street improvement drawings.
- d. One copy of the grading plan.
- e. One copy of the approved Tract Water System and hydraulic network analysis.
- f. Two copies of easement documents.
- g. One copy of Tract/Parcel Map.
- h. Corrosion Site Survey (for Steel Pipe Only)
- i. Copy of receipt showing submittal to appropriate City/County for plan check of facilities within public rights-of-way.

Submittals must be complete or they will be rejected. Each submittal shall include a transmittal listing all items submitted and referencing the District project number and account number.

Details regarding waterline design criteria are included in Section III, Design Criteria. Details regarding preparation of construction drawings and easement documents are included in Section IV, Construction Drawing Preparation.

Water and sewer drawings should be combined and shown on the same drawing whenever possible.

The District will provide comments on one set of the water construction drawings and return same to Engineer for revisions. The goal of the District staff is to complete the first plan check within three weeks of receipt of submittal. Plan review time varies depending on the number of plans in the review process, size of project, complexity of plans, and completeness of drawings.

4. Submit Subsequent Plan Checks

For each subsequent plan check, Developer shall submit the following:

- a. Previous District plan check set and copy of previous District transmittal.
- b. Three copies of revised water construction drawings.
- c. Two copies of easement documents.
- d. Any additional material requested.
- e. One copy of revised submittal showing City/County comments for facilities to be installed in public rights-of-way.

Submittals must be complete or they will be rejected. If drawings and easement documents are not yet satisfactory, District will make comments on one set of the drawings and easement documents and return same to Engineer for revisions. This procedure will be repeated as necessary until drawings and easement documents are complete. If Engineer does not return previous District plan sets, then plan check procedure will start from the beginning including payment of plan check deposit.

Each cycle of the subsequent plan check would normally be completed in approximately three weeks.

5. Submit Original Construction Drawings for Approval

After all plan checks are completed and the water construction drawings are acceptable to the District, the original drawings shall be submitted to the District for signature. Prior to District approval of the water construction drawings, Developer shall pay all remaining plan checking fees and submit:

- a. Previous District plan check set and one copy of revised water construction drawings.
- b. Copy of tentative tract/parcel map showing dedications of streets for road purposes and public utilities purposes,

or

- c. Executed Grant of Easement, minimum width of 30 feet.

6. Provide District with Drawings

When drawings have been fully approved by all agencies, the Developer shall provide the District with a clean set of photo mylars and three sets of blueines for District's use.



**SECTION III**  
**DESIGN CRITERIA**

8/1/91

**SECTION III  
DESIGN CRITERIA**

Water systems for inclusion into the District's service area shall be designed in accordance with the District's Standard Specifications and Standard Drawings for Water and Sanitary Sewer Facilities, dated March 1, 1990 or latest revision, and the following criteria:

**A. HYDRAULIC NETWORK ANALYSIS CRITERIA**

The District reserves the right to determine the criteria for each water system or sub-system based upon conditions that may exist for that particular location, anticipated level of development, planned use, or other criteria. In general, however, the water system shall be sized to handle the highest demand within the general area of the tract and shall conform to the following minimum standards:

1. Pipeline Diameters

The minimum pipeline diameter is 6". The District accepts only the following diameters: 6", 8, 12, 16, 20, 24, 30, 36, 42, and 48 inches.

\* Must meet criteria specified in Item 6, below, System Analysis.

2. Pipeline Friction Factors

Pipeline friction factors shall be as follows:

<u>Pipe Material</u>	<u>Hazen-Williams Coefficient</u>
Cement Mortar Lined Steel Pipe and Asbestos Cement Pipe	C=120
Polyvinyl Chloride Pipe	C=130

3. Water System Unit Demands

Average Day unit demands shall be as follows:

<u>Land Use</u>	<u>Average Day unit Demand Factors</u>
1. <u>Specific Plan</u>	
a. Residential	600 GPD/DU
b. Commercial	2,000 GPD/AC
c. Business Park/Industrial	2,500 GPD/AC
d. Park/Golf Course/Resort Commercial	4 AF/AC/YR
e. School	To be determined on an individual basis
f. Open Space	1.5 AF/AC/YR

## 2. Southwest Area Plan

a.	Very Low Density/Low Density (1 DU/AC)	1,500	GPD/DU
b.	Medium Low Density (2-4 DU/AC)	1,000	GPD/DU
c.	Medium Density/Medium High Density/ High Density (5-16 DU/AC)	600	GPD/DU
* d.	Future Specific Plan	1,000	GPD/DU
e.	Commercial	2,000	GPD/AC
f.	Business Park/Industrial	2,500	GPD/AC
g.	Vineyard	1.2	AF/AC/YR
h.	Park/Golf Course	4	AF/AC/YR
i.	Wildlife/Reserve	0	
j.	Resort Commercial	4	AF/AC/YR
k.	Open Space	1.5	AF/AC/YR
l.	Agricultural (Avocado, Citrus, Horse Ranch)	2	AF/AC/YR

\* Only used when no detail available. Otherwise use items 1, a-f.

## 4. Peaking Factors

The peaking factors to be used, are as follows:

### a. Maximum Day Demand

For the Santa Rosa Division, Maximum Day Demand shall equal 3.0 times the Average Day Demand for Zones 1440, 1670, and 1990. For all other zones, the Maximum Day Demand shall equal 2.5 times the Average Day Demand.

For the Rancho Division, Maximum Day Demand shall equal 3.0 times Average Day Demand for Zones 1610 and 1790. For all other zones, the Maximum Day Demand shall equal 2.5 times the Average Day Demand.

### b. Peak Demand

For all zones, the Peak Demand shall equal two times the Maximum Day Demand.

## 5. Fire Flow

The fire flow requirements shall be in accordance with the applicable standards of the Insurance Services Office (ISO) and shall be those required by the Riverside County Fire Department, Murrieta Fire Protection District, or California Division of Forestry for the type of development under consideration.

## 6. System Analysis

The proposed water system shall be analyzed for the following two conditions:

- a. Peak Demand Flow
- b. Maximum Day Demand plus Fire Flow

waterlines 16 inches and smaller shall be Polyvinyl Chloride Pipe (PVC) in accordance with District standards unless conditions dictate the use of CML/CMC steel pipe. In some cases, District may allow the use of Asbestos Cement Pipe (ACP). Minimum allowable pipe shall be as follows:

- PVC Pipe - Class 150
- CML & C Steel Pipe, diameter 24" and smaller - 12 ga
- CML & C Steel Pipe, diameter larger than 24" - 10 ga
- AC Pipe (where acceptable to District) - Class 200

4. Pipe Slope

Minimum slope of waterlines shall be 0.5% unless otherwise authorized by District.

5. Valves

Valves 12" and smaller shall be resilient seated gate valves per District standards. Valves 16" and larger shall be butterfly valves per District standards. Valves 24" and larger shall have a bypass valve installed around the mainline valve. Valves shall be the same size as nominal pipeline diameter.

Three valves shall be installed on each tee and four valves shall be installed on each cross. Valves shall be spaced at 1,320 foot maximum intervals or as directed by District staff.

6. Fire Hydrants

Fire hydrants shall be in accordance with District standards, constructed at right angles to the waterline.

Fire hydrants shall be located per the requirements of the Riverside County Fire Department as stated in the Tract Conditions of Approval but no greater than 1000 foot intervals.

7. Air Valves

Air valves shall be combination air vacuum and air release valves in accordance with the District standards, constructed at right angles to the waterline.

Air valves shall be located at all high points of pipeline and downstream of valves. Minimum size of air valves shall be 1" and shall be sized as follows:

<u>Air Valve Size</u>	<u>Pipeline Diameter</u>
1"	8" & 12"
2"	16", 20", & 24"
4"	30"
Consult with District staff	> 30"

8. Blowoffs

Blowoffs shall be in accordance with District Standards, located at right angles to the waterline. Where possible, fire hydrants shall be used in place of blowoffs.



Blowoffs shall be located at all low points of the pipeline at all dead-ends or terminal points, and upstream of valves. Minimum size of blowoffs shall be 4". Consult with District staff regarding required size.

9. Water Services

Water services shall be in accordance with District standards, constructed at right angles to the watermain and shall be sized per the following table:

Lateral Size	Meter Size	Maximum Capacity
1"	3/4" Disc	30 GPM
1"	1" Disc	50 GPM
1-1/2"	1-1/2" Multi Jet	100 GPM
2"	2" Multi Jet	125 GPM
2"	2" Turbine	160 GPM
4"	3" Turbine	300 GPM
4"	4" Turbine	750 GPM
6"	6" Turbine	1,550 GPM
8"	8" Turbine	2,500 GPM

No service laterals shall be installed between fire hydrants, blow offs, or air valves and pipeline dead ends.

All non-residential water services shall have a District approved backflow prevention device installed adjacent to meter unless otherwise approved by District.

10. Minimum Design Pressure

Minimum design pressure shall be the static pressure plus 25% with the total rounded up to the nearest 25 psi.

11. Control Valves, Pressure Relief Valves, and Other Special Valves

Control valves, pressure relief valves, and other special valves shall be designed and located as directed by District staff.

12. Easement Criteria

Pipelines not located within public right-of-way must be located in easements granted to the District on the District's Grant of Easement form. Easements shall be a minimum of 30 feet in width unless otherwise approved by the District. Easements for other utilities may overlap District easement only if proper separations are maintained. Details for grant of easement documents are included in Section IV, Construction Drawing Preparation.



**SECTION IV**  
**CONSTRUCTION DRAWING PREPARATION**

**SECTION IV  
CONSTRUCTION DRAWING PREPARATION**

**A. GENERAL**

Engineer shall prepare water system improvement drawings that are clear, concise, and meet District standards.

Drawings shall be drawn in ink on D size mylar sheets (24" x 36") with Rancho California Water District approval block.

The drawings shall be professional quality drawings especially prepared as WATER DRAWINGS or WATER AND SEWER DRAWINGS. Work shall be of standard engineering practice and shall be legible and present the proposed construction without confusion.

Water and sewer design may be shown on the same drawings if the drawings are clear and concise. The District shall be the sole judge as to when separate drawings are necessary.

**B. COVER SHEET**

The cover sheet shall show as a minimum:

1. General notes (Appendix "D")
2. Legend (Appendix "E")
3. Estimate of quantities (Appendix "E")
4. Approval for Construction Box (Appendix "F")
5. Water System Certification (Appendix "F")
6. Index of Drawings
7. Vicinity Map
  - a. Scale
  - b. North Arrow
  - c. Street Names
  - d. Title and Location of Project
8. Index Map
  - a. Scale
  - b. North Arrow
  - c. Tract Layout with Street Names and Lot Numbers

- d. Proposed Waterlines Identified by Size and Type
- e. Symbols for all Appurtenances
  - 1. Fire Hydrants
  - 2. Air Valves
  - 3. Blowoffs
  - 4. Tees, Crosses
  - 5. Valves
  - 6. Water Services
- f. Sheet Numbers Corresponding to Plan and Profile Sheets

The use of a second sheet to include all information is permissible.

### C. PLAN AND PROFILE SHEETS

The plan/profile sheets shall be drawn at a horizontal scale of 1"=40' and a vertical scale of 1"=4', and as a minimum the drawings shall show the following:

#### PLAN PORTION

1. Title Block

Title block shall show Tract No., pressure zone, and scale of drawings. District approval blocks shall be incorporated into the title block.

2. North Arrow

North Arrow shall point up or to the left if possible to conform with Item 11.

3. Right-of-Way

Existing and proposed right-of-way shall be identified with dimensions for same shown.

4. Curb Separation

~~Existing~~ and/or proposed curb separation shall be identified with dimensions for same shown.

5. Easements

Existing or proposed easements shall be identified with dimensions for same shown.

6. Street Names

All street names shall be shown.

7. Lot Lines

All lot lines and parcel lines shall be shown. All lots shall be numbered or labeled. All adjacent tracts shall be identified.

8. Utilities

All existing and proposed Utilities shall be shown. Utilities to be shown shall include, but not be limited to, water (existing water lines shall be identified by District Plan No.), sewer, gas, power, telephone, storm drain, irrigation, traffic, and cable television. Each utility shall be identified with a symbol and the size of the utility shall be shown.

9. Existing and Proposed Improvements

All existing surface improvements shall be shown including, but not limited to, curb and gutter, edge of pavement, power poles, driveways, sidewalks, and fences.

10. Match Lines

Match lines for each end of the street shall be shown as follows:

Sta 15+00.00 Match Line  
See Sheet 5

11. Stationing

Stationing along the centerline of the improvement shall be shown. Unless otherwise specified, station shall increase from left to right. Stationing shall be identified with tick marks at 100' intervals.

12. Proposed Pipeline

Proposed pipeline shall be indicated with a heavy line. Dimensions from street centerline to centerline of pipeline shall be shown. Pipeline shall be identified as:

⊕ \_\_\_\_ " CML&C (\_\_\_\_ Gauge Minimum) Pipeline

OR

⊕ \_\_\_\_ " C900 (use C905 for 16" PVC) Class \_\_\_\_ PVC Pipeline

13. Appurtenances

All appurtenances including tees, crosses, elbows, and blind flanges or plugs shall be identified by station and size as follows:

Sta 12+25.00 ⊕ 12" x 12" x 8" Tee

All pipeline appurtenances including air valves, blowoffs, fire hydrants, and valves shall be identified by station, size, and Rancho California Water District Standard Number as follows:

Sta 12+25.00 ⊕ 2" Air Valve per RCWD Std. Dwg. No. \_\_\_\_

All meter services shall be indicated on the drawings. The stationing of services is not required on the drawings, however, after construction of proposed facilities, the engineer shall provide the District with an "as-built" stationing table of the meter services on the record drawings.

All connections to existing water system shall be identified by station and size. A station equation and District plan number shall be used to reference existing waterlines. Detail for connection shall be used where required.

### PROFILE PORTION

Only profiles for water and sewer shall be shown. All other utility profiles shall not be shown unless conflicting or where crossing over or under (i.e. storm drain).

1. Stationing

Stations shall be shown along bottom of profile at 100 foot intervals. Profile stationing shall line up with plan stationing.

2. Elevations

Elevations shall be shown on both ends of the profile sheet.

3. Existing and Proposed Ground Surface

Existing ground surface or pavement over the proposed pipeline shall be identified as follows:

Existing "Top of Pavement (or ground surface) over Centerline of Pipeline"

Proposed ground surface or pavement over the proposed pipeline shall be identified as follows:

"Proposed Top of Pavement (or ground surface) over Centerline of Pipeline"

4. Match Lines


Match lines for each end of sheet shall be shown as follows:

Sta 15+00.00 Match Line  
See Sheet 5

5. Flow line of proposed pipeline shall be identified as follows:

 \_\_\_ " CML&C (\_\_\_ ga minimum) Pipeline

OR

 \_\_\_ " C900 (use C905 for 16" PVC) Class \_\_\_ PVC Pipeline.





**D. GRANT OF EASEMENTS**

The Grant of Easement shall be on District form and shall consist of three parts, Grant of Easement form, legal description, and plat.

The legal description shall be designated as Exhibit "A" and if appropriate shall have the assessor's parcel number indicated on the upper right corner of the exhibits. The legal description shall be prepared by a California Registered Civil Engineer or Land Surveyor and signed and stamped by said engineer or surveyor.

The plat shall be designated as Exhibit "B" and shall be prepared on District plat map and signed and stamped.

Copies of Grant of Easement form and plat are shown in Appendix "H". Items to be included on the plat map are shown in said appendix.

**SECTION V**  
**PROCEDURES**  
**WATER SYSTEM FACILITY CONSTRUCTION**

8/1/91

**SECTION V  
PROCEDURES  
WATER SYSTEM FACILITY CONSTRUCTION**

All water facility projects will be constructed by Developer and inspected by District inspectors. Work performed without the knowledge or the observation of a District inspector will not be accepted. The steps required to obtain approval of construction of water facilities are as follows:

1. Submit Engineering Service Application and Inspection Deposit.
2. Provide Submittals, Water System Construction Agreement, Bonds, and Certificate of Insurance.
3. Attend Preconstruction Meeting.
4. Notify District Regarding Construction Start.
5. Construct Water System Facilities.
6. Pressure Test and Disinfect Water System Facilities.
7. Provide Continuity Test (Steel Pipe Only)
8. Pay any Remaining Inspection Fees.
9. Connect to Existing Water System.
10. Submit Application for Unmetered Construction Water.
11. Remove Unmetered Connections.
12. Submit Drop-in Meter Application and Pay Fees.
13. Provide Unconditional Lien Waiver and Release, Water System Grant Deed, and Record Drawings.
14. Notice of Completion Filed by District and Drop-in Meters Installed by District.

A flowchart for water system facility construction is shown as Exhibit "I". A construction status sheet to be used by District is shown in Appendix "J". Each required step is discussed in detail below:

1. Submit Engineering Service Application and Inspection Deposit

The engineering service application (available from the District) shall be completed and filed with the District staff. A copy of the engineering services application is shown in Appendix "C". The inspection deposit and three copies of approved water construction drawings shall be submitted with the completed application.



2. Provide Submittals, Water System Construction Agreement, Bonds, and Certificate of Insurance

Developer shall submit to District staff the following:

- a. Contractor information sheet (Appendix "K").
- b. Materials list (see District's Standard Specifications and Standard Drawings for Water and Sanitary Sewer Facilities, Special Provisions, Section 5)
- c. Two copies of Encroachment Permits.
- d. One copy of recorded tract/parcel map showing dedication of streets for road and public utility purposes (not required if executed Grant of Easement provided earlier).
- e. Water System Construction Agreement (Appendix "L").

After District executes Water System Construction Agreement, approves Contractor, and approves materials list, Developer shall submit the following:

- a. Copy of the Contract between Developer and Contractor verifying cost of water system facility construction.
- b. Certification of streets to final grade (Appendix "M").
- c. Certificates of Insurance for Contractor (Appendix "N").
- d. Faithful Performance Bond (Appendix "O"). Performance bonds provided to the City/County are satisfactory if the facilities to be turned over to RCWD are included.

After District reviews and approves all submittals, District staff will issue a Notice to Proceed.

Thereafter, Developer shall schedule a preconstruction meeting with District staff. A one week notice is required prior to said preconstruction meeting.

3. Attend Construction Meeting

Preconstruction meeting shall be held at the District office and shall be attended by Developer's representative, Developer's contractor, and construction superintendent as well as by District staff.

4. Notify District Regarding Construction Start

Contractor shall notify District, in writing, a minimum of one week prior to construction start. Prior to construction, Contractor shall submit three copies of the construction cut sheets for Districts use during construction. Waterline shall be staked at 50 foot intervals and at all water services, fire hydrants, tees, crosses, elbows, valves, air valves, blowoffs, and grade breaks.

5. Construct Water System Facilities

The water system facilities shall be constructed by Developer's contractor and inspected by District inspectors. After completion of construction, Developer's contractor shall complete all items on District's inspection list prior to testing and disinfecting water facilities.

6. Pressure Test and Disinfect Water System Facility

After water facilities are completed to satisfaction of District inspector including all items on inspector's construction deficiencies list, and after Contractor furnishes evidence that compaction of trenches has been completed to the satisfaction of the County of Riverside Road Department, City of Temecula, or City of Murrieta, Contractor shall test and disinfect the water facility in accordance with District Standards.

After system has been tested and disinfected, District will take samples for bacteriological tests. Acceptable bacteriological test results must be obtained before District will allow connections to existing water system.

7. Provide Continuity Test (Welded Steel Pipe Only)

After water facilities are tested and disinfected, Contractor shall perform continuity test on all corrosion control equipment. Contractor shall provide written results of said test to District. District shall approve said tests before District will allow connections to existing water system.

8. Pay Any Remaining Inspection Fees

Before District will allow connections to existing water system, any remaining inspection fees must be paid in full.

9. Connect to Existing Water System

After all fees have been paid and system is disinfected, Contractor may connect water facilities to existing water facility system. Contractor shall provide the District with three weeks written notification requesting a system shutdown to make tie-in's to the existing District facilities. Thereafter, District will release new water system facilities for fire protection and construction water.

10. Submit Application for Unmetered Construction Water

Developer shall submit application for unmetered construction water with the appropriate fee to District staff (Appendix "P").

After approval of same, Developer shall install unmetered connections in accordance with District Standards.

11. Remove Unmetered Connections

After Contractor is completed with construction, he shall remove unmetered connections and prepare for drop-in meters as follows:

- a. Construction water shall be discontinued completely and jumpers removed.
- b. Angle meter stops shall be set to proper elevation and location, meter boxes shall be set to proper elevations and locations.



- c. Sidewalks and driveways shall be placed and forms stripped on areas in vicinity of meter boxes.
- d. Lots shall be fine graded.

12. Submit Drop-in Meter Application and Pay Fees

- a. The Drop-in Meter Application shall be completed and filed with District staff. All related meter installation and connection fees shall be submitted with the completed application. Approximately 30 days are required after receipt of the application and fees before meter will be set.
- b. District inspector will inspect those lots requiring meters. Any deficient items will be listed on a punch list and copies will be given to Developer to correct. When all items have been resolved and accepted by inspector, said lots will be released to customer service for meter installations. There is a 2 week lead time from when lots are released for drop-in meters and when actual drop-in meters are installed.

13. Provide Unconditional Lien Waiver and Release, Water System Grant Deed, and Record Drawings

Before District will install drop-in meters, Contractor shall:

- a. Provide Unconditional Lien Waiver and Release for waterline construction (Appendix "Q").
- b. Provide Grant Deed dedicating water system to District. Said Grant Deed is effective only after final Notice of Completion for water system facilities is filed by District staff. Grant Deed must be filed on form provided by District (Appendix "R").

In the event an Agency Agreement is required by the District, Developer shall grant said Agency Agreement to the District on form provided by District (Appendix "S").

- c. Water system record ("As-Builts") drawings.

14. Notice of Completion Filed by District and Drop-in Meters Installed by District

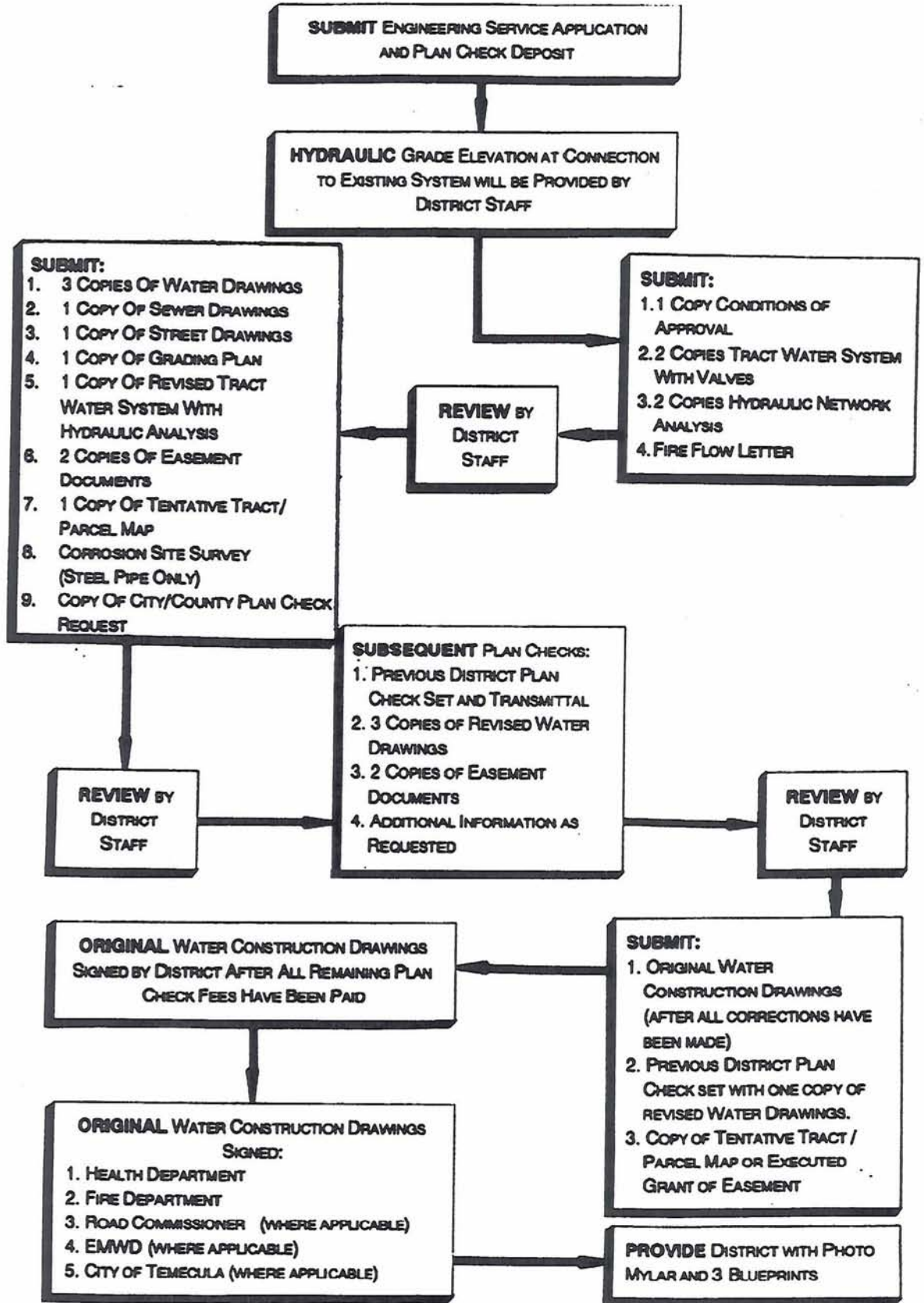
After receipt, and approval of items in Section 13, District will file Notice of Completion and install drop-in meters.

**APPENDICES**

8/1/91



# FLOWCHART FOR CONSTRUCTION DRAWING APPROVAL



RANCHO CALIFORNIA WATER DISTRICT  
WATER SYSTEM FACILITY REQUIREMENTS

PLAN CHECK STATUS SHEET

RCWD JOB NO. \_\_\_\_\_

TRACT NO. \_\_\_\_\_

PARCEL MAP NO. \_\_\_\_\_

NAME OF PROJECT: \_\_\_\_\_

DEVELOPER: \_\_\_\_\_

LOCATION OF PROJECT: \_\_\_\_\_

ENGINEER: \_\_\_\_\_

PHONE: \_\_\_\_\_

	ITEM	DATE	INITIAL
1.	Received Engineering Service Application and Plan Check Deposit (Engineer)	_____	_____
2.	Provide Hydraulic Grade Elevation at Connections to Existing System (District)	_____	_____
3.	Received:		
	-One Copy of Conditions of Approval (Engineer)	_____	_____
	-Two Copies of Tract Map with Proposed Water System Including Valves (Engineer)	_____	_____
	-Two Copies of Hydraulic Network Analysis of Proposed System (Engineer)	_____	_____
4.	Review Item 3 and Provide Comments (District)	_____	_____
5.	Received First Plan Check (Engineer):		
	-Three Copies of Water Construction Drawings	_____	_____

EXHIBIT "B"

8/1/91

ITEM	DATE	INITIAL
-One Copy of Sewer Construction Drawings (Unless Part of Water Drawings)	_____	_____
-One Copy of Street Construction Drawings	_____	_____
-One Copy of Grading Plan	_____	_____
-One Copy of Revised Tract Map with Hydraulic Network Analysis	_____	_____
-Two Copies of Easement Documents	_____	_____
-One Copy of Tract/Parcel Map	_____	_____
-Corrosion Site Survey (Steel Pipe Only)	_____	_____
-Copy of City/County Plan Check Receipt	_____	_____
6. Review First Plan Check, Provide Comments (District)	_____	_____
7. Received Second Plan Check (Engineer)	_____	_____
-Previous District Plan Check Set and Transmittal	_____	_____
-Three Copies of Revised Water Construction Drawings	_____	_____
-Two Copies of Easement Documents	_____	_____
-Copies of Additional Information as Requested	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
8. Review Second Plan Check, Provide Comments (District)	_____	_____

EXHIBIT "B"

ITEM	DATE	INITIAL
9. Received Third Plan Check (Engineer)	_____	_____
-Previous District Plan Check Set and Transmittal	_____	_____
-Three Copies of Revised Water Construction Drawings	_____	_____
-Two Copies of Easement Documents	_____	_____
-Copies of Additional Information as Requested	_____	_____
_____		
_____		
_____		
10. Review Third Plan Check, Provide Comments (District)	_____	_____
11. Received Original Construction Drawings for Signature (Engineer)	_____	_____
-Previous District Plan Check Set and One Copy of Revised Water Construction Drawings	_____	_____
-All Remaining Plan Check Fees Paid	_____	_____
-Copy of Tentative Tract/Parcel Map	_____	_____
or		
-Executed Grant of Easement	_____	_____
12. Construction Drawings Signed (District)	_____	_____
13. Received One Set of Photo Mylars and Three Sets of Construction Drawings (Engineer)	_____	_____





**Rancho  
Water**

8/1/91

Receipt # \_\_\_\_\_

### ENGINEERING SERVICE APPLICATION

Type Of Meter	Size	No. Dials	Meter No.
RP Mfr.	RP No.		Install Date

**DIVISION:**  
 Rancho  Santa Rosa  Sewer  Job # \_\_\_\_\_ Desc. \_\_\_\_\_  
 Date: \_\_\_\_\_ Job # \_\_\_\_\_ Desc. \_\_\_\_\_  
 Rep: \_\_\_\_\_ Job # \_\_\_\_\_ Desc. \_\_\_\_\_  
 Applicant's Name \_\_\_\_\_

**Mailing Address**  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 Post Office Box/Street \_\_\_\_\_  
 City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_ Telephone \_\_\_\_\_

**Owner/Responsible Party**  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 Post Office Box/Street \_\_\_\_\_  
 City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_ Telephone \_\_\_\_\_

**SERVICES REQUIRED: Description of Service Area**  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**DEPOSIT BASIS:**

Main Extension Est. \$1260.00   
 Assessment District Req. \$4,778   
 Detector Check Inspection Fee \$2300.00

**PLAN CHECK:**

1st 1,000 Feet \$398.00  Total LF \_\_\_\_\_  
 Additional Footage \$40/100 Feet   
 Additional \_\_\_\_\_

LF \_\_\_\_\_ X RATE per LF \_\_\_\_\_

**INSPECTION:**

LF of Line \_\_\_\_\_ X RATE per LF \$3.63 = Deposit

OTHER: Description \_\_\_\_\_ = Deposit

**TOTAL DEPOSIT REQUIRED**

**FEE BASIS:**

1/2 Inch Detector Check Meter \$79.00   
 Will Serve Letters \$91.00   
 Topo Map Copy \$108.00  Duplicate Topo/Mylar \$324.00   
 Temporary Remote Meter \$242.00  Annex. Proc. \$3675.00

OTHER: Description \_\_\_\_\_ Amount \_\_\_\_\_

**TOTAL FEES REQUESTED**

**CHECK ENCLOSED FOR TOTAL AMOUNT**

The undersigned customer agrees that deposits for engineering services listed above are based on estimates. In the event that actual costs should exceed the original estimate, additional payments will be required.

Signature \_\_\_\_\_

Signature \_\_\_\_\_

RANCHO CALIFORNIA WATER DISTRICT  
GENERAL CONSTRUCTION NOTES

**1. GENERAL**

- A. CONTRACTOR SHALL FURNISH AND INSTALL ALL FACILITIES IN ACCORDANCE WITH THE DISTRICT'S STANDARD SPECIFICATIONS AND STANDARD DRAWINGS FOR WATER AND SANITARY SEWER FACILITIES (DATED MARCH 1, 1990 OR LATEST REVISION). THE SPECIFICATIONS AND STANDARD DRAWINGS ARE AVAILABLE FROM THE DISTRICT. CONTRACTOR SHALL BE IN POSSESSION OF DISTRICT'S SPECIFICATIONS AND STANDARD DRAWINGS ON THE JOB SITE AT ALL TIMES.
- B. ALL PERMITS REQUIRED BY LAW SHALL BE ACQUIRED BY THE APPLICANT OR THEIR CONTRACTOR.
- C. ALL CONSTRUCTION SHALL CONFORM TO CURRENT CAL OSHA SAFETY REQUIREMENTS.
- D. APPROVAL BY RCWD IMPLIES NO PERMISSION OTHER THAN THAT WITHIN THE DISTRICT'S JURISDICTION. REQUIREMENTS OF RCWD SHALL TAKE PRECEDENCE OVER REQUIREMENTS OF OTHER AGENCIES ONLY WHEN RCWD REQUIREMENTS ARE GREATER.
- E. CONTRACTOR SHALL NOTIFY RCWD'S CONTRACTS MANAGER A MINIMUM OF ONE WEEK PRIOR TO STARTING CONSTRUCTION.
- F. CONTRACTOR SHALL PROVIDE WRITTEN NOTIFICATION REQUESTING A SYSTEM SHUTDOWN FOR CONNECTIONS TO EXISTING SYSTEM. SAID NOTIFICATION SHALL BE MADE A MINIMUM OF THREE WEEKS PRIOR TO SAID SHUTDOWN TO THE RCWD CONTRACTS MANAGER.
- G. CONTRACTOR SHALL DESIGNATE A QUALIFIED SUPERINTENDENT WITH FULL AUTHORITY TO ACT ON BEHALF OF THE CONTRACTOR. SAID SUPERINTENDENT SHALL BE ON THE JOB SITE AT ALL TIMES.
- H. CONTRACTOR SHALL PERFORM ALL WORK UNDER RIVERSIDE COUNTY ROAD DEPARTMENT, CITY OF TEMECULA, OR CITY OF MURRIETA JURISDICTION IN ACCORDANCE WITH ALL REQUIREMENTS OF SAID DEPARTMENT OR CITY INCLUDING TRAFFIC CONTROL, PAVEMENT REMOVAL, TEMPORARY PAVEMENT PLACEMENT, PERMANENT PAVEMENT PLACEMENT (INCLUDING BASE MATERIAL) AND TEMPORARY AND PERMANENT TRAFFIC STRIPPING.

**2. PIPELINE AND APPURTENANCES**

- A. ALL VALVES, PIPING, AND APPURTENANCES SHALL BE DESIGNED TO MEET OR EXCEED THE SPECIFIED MINIMUM DESIGN PRESSURE SHOWN ON THE PLAN/PROFILE SHEETS. IN ADDITION, ALL VALVES, PIPING, AND APPURTENANCES SHALL BE TESTED AT A PRESSURE OF 10% OVER SAID MINIMUM DESIGN PRESSURE. VALVES SHALL BE CAPABLE OF WITHSTANDING SAID TEST PRESSURE IN A CLOSED POSITION.

APPENDIX "D"



- B. ALL MATERIALS, TESTING, AND INSPECTION OF PIPE SHALL BE IN CONFORMITY WITH THE REQUIREMENTS OF RANCHO CALIFORNIA WATER DISTRICT, RIVERSIDE COUNTY, CITY OF TEMECULA, AND THE AMERICAN WATER WORKS ASSOCIATION STANDARDS. FAILURE TO MEET ANY REQUIREMENTS OF THE ABOVE REFERENCED AGENCIES WILL BE CAUSE FOR REJECTION.
  - C. PIPE SHALL BE \_\_\_ " \_\_\_\_\_ IN ACCORDANCE WITH RCWD SPECIFICATIONS AND STANDARDS (PROVIDE PIPE DIAMETER FOR PVC PIPE, PROVIDE AWWA C900 OR AWWA C905 AND PIPE CLASS FOR CML & C STEEL PIPE, PROVIDE MINIMUM GA FOR STEEL CYLINDER).
  - D. VALVES 12" AND SMALLER SHALL BE RESILIENT SEATED GATE VALVES IN ACCORDANCE WITH RCWD STANDARD DRAWING NOS. RW-30 AND RW-31 UNLESS OTHERWISE SPECIFIED. VALVES 16" AND LARGER SHALL BE BUTTERFLY VALVES UNLESS OTHERWISE SPECIFIED.
  - E. AIR VACUUM AND AIR RELEASE ASSEMBLIES SHALL BE INSTALLED IN ACCORDANCE WITH RCWD STANDARD DRAWING NO. \_\_\_\_\_ (RW-9, RW-10, OR RW-11).
  - F. ALL SERVICE CONNECTIONS SHALL BE \_\_\_ " COPPER SERVICES BY \_\_\_ " METERS AS NOTED ON THE DRAWINGS. ALL SERVICES SHALL BE LOCATED AS SHOWN ON THE DRAWINGS, ADJUSTED UNDER RCWD INSPECTION TO MISS DRIVEWAYS AND OTHER IMPROVEMENTS. SERVICES SHALL BE INSTALLED IN ACCORDANCE WITH RCWD STANDARD DRAWING NO. \_\_\_ (RW-13, RW-14, RW-15, RW-16, RW-17, OR RW-17A).
- ALL NON-RESIDENTIAL METERS SHALL BE INSTALLED WITH A DISTRICT APPROVED BACKFLOW DEVICE.
- G. FIRE HYDRANTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DRAWING NO. \_\_\_ (RW-3, RW-5, RW-6, RW-7, OR RW-8).
  - H. WATERLINE CONSTRUCTION SHALL BE IN ACCORDANCE WITH STANDARD DRAWING NOS. \_\_\_\_\_ (RW-22 AND RW-25 FOR PVC PIPE, AND RW-28, RW-29, AND RW-32 THROUGH RW-36 FOR WELDED STEEL PIPE).
  - I. THRUST BLOCKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH RCWD STANDARD DRAWING NO. RW-26.

### 3. UTILITIES

- A. AT LEAST 48 HOURS BEFORE COMMENCING ANY EXCAVATION, CONTRACTOR SHALL REQUEST UNDERGROUND SERVICE ALERT (1-800-422-4133) AND NON-MEMBER COMPANIES, OR UTILITIES TO MARK OR OTHERWISE INDICATE THE LOCATION(S) OF THEIR SUBSURFACE FACILITIES INCLUDING, BUT NOT LIMITED TO, STRUCTURES INCLUDING VAULTS, MAIN CONDUCTORS OR CONDUITS, AND SERVICE CONNECTIONS.

- B. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL EXPOSE EXISTING WATERLINES AT PROPOSED CONNECTIONS AND CROSSINGS AND VERIFY ELEVATIONS, LOCATIONS, AND SIZE OF EXISTING FACILITIES.
- C. CONTRACTOR SHALL NOT INTERRUPT OR DISTURB ANY UTILITY FACILITY WITHOUT AUTHORITY FROM THE UTILITY. WHERE PROTECTION IS REQUIRED TO ENSURE INTEGRITY OF UTILITY FACILITIES (INCLUDING DISTRICT-OWNED UTILITIES). CONTRACTOR SHALL FURNISH AND PLACE ALL NECESSARY PROTECTION.
- D. WHENEVER A WATERLINE ENCOUNTERS A STORM DRAIN PIPE OR OTHER OBSTRUCTION AND CROSSING OVER THE OBSTRUCTION WILL RESULT IN LESS THAN 42" OF COVER OVER THE TOP OF THE WATER, THE WATERLINE SHALL CROSS UNDER THE OBSTRUCTION WITH A MINIMUM CLEARANCE OF 12".

#### **4. CONSTRUCTION DRAWINGS**

- A. MINIMUM PIPE COVER SHALL BE 42" FROM FINISHED GROUND SURFACE.
- B. WATER SYSTEM PROFILE ELEVATIONS ARE TO FLOW LINE OF PIPE.
- C. STATIONING FOR PIPELINE AS SHOWN ON PLAN PORTION OF DRAWINGS IS PERPENDICULAR TO CENTERLINE OF RIGHT-OF-WAY.
- D. SEPARATION BETWEEN SEWER AND WATER SHALL CONFORM TO RIVERSIDE COUNTY STANDARD NO. 817 AND RCWD STANDARD DRAWING S-23.

#### **5. CONSTRUCTION TOLERANCES**

PIPELINES SHALL BE CONSTRUCTED SO THAT ACTUAL FLOW LINE ELEVATIONS ARE WITHIN 0.1 FOOT OF DESIGN FLOW LINE ELEVATIONS. PIPELINES, WHEN INSTALLED, SHALL HAVE CONTINUOUS UPGRADE OR DOWNGRADE, CORRESPONDING WITH DESIGN SLOPE, WITHOUT ANY HIGH SPOTS. PIPELINES SHALL BE CONSTRUCTED SO THAT ACTUAL PIPELINE CENTERLINES ARE WITHIN 0.1 FOOT OF DESIGN PIPELINE CENTERLINES.

PIPELINE CONSTRUCTION SHALL CONFORM WITH CONSTRUCTION DRAWINGS IN ACCORDANCE WITH THE ABOVE SPECIFIED TOLERANCES. CONTRACTOR SHALL ASSIST DISTRICT AS REQUIRED TO CONFIRM COMPLIANCE WITH CONSTRUCTION TOLERANCES. CONTRACTOR SHALL MAKE OR ASSIST IN MAKING ALL NECESSARY MEASUREMENTS AS DETERMINED BY DISTRICT.

#### **6. INSPECTION FEE**

THREE WEEKS PRIOR TO CONSTRUCTION, A DEPOSIT FOR INSPECTION FEE WILL BE MADE. THIS FEE IS ESTIMATED AT \$ \_\_\_\_\_. SHOULD ACTUAL COSTS BE GREATER, THE BALANCE SHALL BE PAID TO THE DISTRICT BY THE APPLICANT. SHOULD ACTUAL COSTS BE LESS, THE BALANCE SHALL BE REFUNDED TO THE APPLICANT. FEES SUBJECT TO CHANGE WITHOUT NOTICE.



**7. ENGINEERING FIRM**

**PRIOR TO SIGNING OF WATER CONSTRUCTION DRAWINGS BY RCWD, ALL QUESTIONS CONCERNING THIS PROJECT SHALL BE DIRECTED TO:**

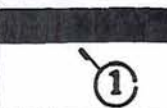


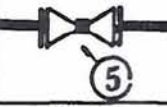








\_\_\_\_\_  
(NAME)

\_\_\_\_\_  
(TITLE)

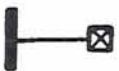
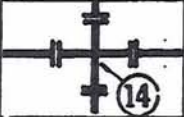
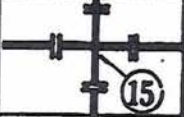




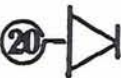
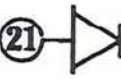




\_\_\_\_\_  
(FIRM)

## LEGEND AND ESTIMATE OF QUANTITIES

1. The Legend and Estimate of Quantities shall be included on the same sheet as the Index Map, in the following format:

QTY	UNIT	LEGEND	DESCRIPTION	STD. DWG.
	LF.		INSTALL ____ " C900 (or C905) class ____ PVC pipeline	RW-22, RW-25
	LF.		INSTALL ____ " CML&C ( ____ Gauge Minimum) pipeline	RW-33, RW-34
	EA		INSTALL ____ " Resilient Wedge Valve (F x GT, F x F)	RW-30, RW-31
	EA		INSTALL ____ " Plug Valve (HIGH PRESSURE SYSTEMS ONLY)	
	EA		INSTALL ____ " flanged Butterfly Valve (F x F)	RW-30, RW-31
	EA		CONSTRUCT 6" residential fire hydrant assembly	RW-7 OR RW-8
	EA		CONSTRUCT 6" "super" fire hydrant assembly	RW-5 OR RW-6
	EA		CONSTRUCT 4" Blow-Off assembly	RW-4
	EA		CONSTRUCT ____ " Air and Vacuum Release Assembly	RW-9, RW-10, OR RW-11
	EA		CONSTRUCT ____ " copper water service assembly	RW-13 OR RW-14
	EA		INSTALL ____ " cast iron tee	
	EA		CONSTRUCT ____ " CML & C steel tee	RW-29

### APPENDIX "E"

EA		INSTALL ____ wire test station	
EA		INSTALL ____" cast iron cross	
EA		CONSTRUCT ____" CML & C steel cross	RW-29
EA		INSTALL cast iron end caps (size as noted on plans)	RW-24
EA		INSTALL blind flange (size as noted on plans)	RW-24
EA		INSTALL hot-tapping sleeve (size noted on plans)	
EA		CONSTRUCT tapping flange outlet (size as noted on plans)	RW-29
EA		INSTALL cast iron reducer (size as noted on plans)	
EA		CONSTRUCT CML & C steel reducer (size as noted on plans)	
EA		CONSTRUCT concrete thrust block	RW-26
EA		INSTALL 4"/6" bypass valve assembly	RW-38
EA		INSTALL ____° cast iron elbow	
EA		CONSTRUCT ____° CML & C steel tee	

2. A separate entry is required for each size and type of all materials necessary for this project, including, but not limited to, size and type of pipe, valves, water services, tees, crosses, elbows, and end plugs.

**TITLE SHEET SIGNATURE BLOCK**

<b>Rancho California Water District</b>					
APPROVED FOR CONSTRUCTION:					
_____				_____	
Director of Engineering				Date	
<b>Approvals:</b>					
Design	Date	Contracts	Date	Operations	Date

**WATER SYSTEM CERTIFICATION**

<p>I certify that the design of the WATER SYSTEM in _____ is in accordance with the WATER SYSTEM MASTER PLAN of Rancho California Water District and that the water service, storage and distribution system will be adequate to supply water to said project.                  This certification does not constitute a guarantee that it will supply water to said project at any specific quantities, flows, or pressures for fire protection or any other purpose.</p>	
_____	
Director of Engineering	
_____	
Date	

**SIGNATURE BLOCK**

(All sheets except first)

<b>Rancho California Water District</b>		
APPROVED FOR CONSTRUCTION:		
Design	Contracts	Operations

**CONSTRUCTION APPROVAL BOX/WATER SYSTEM CERTIFICATION  
APPENDIX "F"**



**RANCHO CALIFORNIA WATER DISTRICT  
WATER CONSTRUCTION DRAWINGS CHECK LIST**

TRACT NO. \_\_\_\_\_ RCWD W.O. \_\_\_\_\_

**COVER SHEET**

<b>VICINITY MAP</b>		
Scale ____		
North Arrow		
Street Names		
Title and Location of Project		
<b>INDEX MAP</b>		
Scale ____		
North Arrow		
Proposed Water/Sewer Line		
Layout of Project		
Appurtenances		
Manhole		
Fire Hydrants		
Detector Checks		
Air Valves		
Blow-Offs		
Pipeline		
Quantities		
Plan Layout/Sheet Reference		
<b>NOTES</b>		
Water System Certification		
Notifications		
General Water Notes		
RCWD Signature Block		

8/1/91





After Recordation Return to:

Rancho California Water District  
361 Diaz Road  
Temecula, California 92390

Space Above This Line for Recorder's Use

**GRANT OF EASEMENT**

FOR VALUABLE CONSIDERATION, receipt of which is hereby acknowledged,

hereby GRANT (S) to the RANCHO CALIFORNIA WATER DISTRICT, a public corporation, a perpetual non-exclusive easement and right of way for pipeline or pipelines, together with incidental appurtenances, connections and structures in, over, under, upon, along, through and across the real property situated in the County of Riverside, State of California, hereinafter described.

Together with the right to grade and improve said right of way and to enter upon and to pass and repass over and along said strip of land for the construction, operation and maintenance of the facilities to be constructed in said easements by the RANCHO CALIFORNIA WATER DISTRICT.

It is understood and agreed that the easements and rights of way acquired herein are subject to the right of the owner, his successors and assigns, to use the surface of the land within the boundary lines of such easements and rights of way to the extent that such use is compatible with the full and free exercise of said easements and rights of way by the RANCHO CALIFORNIA WATER DISTRICT; provided however, that no fences, block walls, or other structures or other improvements shall be constructed upon, over, and along said easements and rights of way without first obtaining the written consent of the RANCHO CALIFORNIA WATER DISTRICT.

No fill or paving of any nature shall be placed or maintained over the surface of the ground, nor shall any earth be removed from the cover of said pipeline after construction, without first obtaining the written approval of the RANCHO CALIFORNIA WATER DISTRICT.

IN WITNESS WHEREOF, this instrument has been executed this \_\_\_ day of \_\_\_\_\_, 19\_\_\_.

**CERTIFICATE OF ACCEPTANCE**

The undersigned, being the duly appointed agent of RANCHO CALIFORNIA WATER DISTRICT, a public corporation, Riverside County, California, pursuant to its Resolution No. 22, as amended by Resolution No. 196, does hereby accept on behalf of said District the grant of all interests in real estate for public purposes as described in the attached Grant of Easement dated \_\_\_\_\_, 19\_\_\_, by and between the RANCHO CALIFORNIA WATER DISTRICT, and \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

and does hereby certify that the grantee consents to the recordation of said grant.

DATED: \_\_\_\_\_, 19\_\_\_.

RANCHO CALIFORNIA WATER DISTRICT

By \_\_\_\_\_



8/1/91

APPENDIX "H"

**PLAT REQUIREMENTS:**

1. North Arrow
2. Subdivision title with recording data.
3. Lot or Parcel #'s
4. Street Names
5. Right-of-Way widths
6. Township, Section and Range
7. All distances, bearings and references stated with legal description.
8. Point of Beginning
9. Bold and distinct line around proposed easement.
10. Scale
11. RCE / LS signature and stamp.

This Plat is Solely an Aid in Locating the Parcel(s) described in the Attached Document. It is not a Part of the Written Description Therein.

**Rancho California Water District**

<b>EXHIBIT</b> <b>B</b>	<b>PREPARED BY:</b>	<b>SUBJECT:</b>	<b>SHEET</b>
		<b>SCALE: 1"=</b>	<b>OF SHEET(S)</b>
		<b>DRAWN BY:</b>	<b>DATE:</b>
		<b>CHECKED BY:</b>	<b>W.O.#</b>

**PLAT REQUIREMENTS:**

1. North Arrow
2. Subdivision title with recording data.
3. Lot or Parcel #'s
4. Street Names
5. Right-of-Way widths
6. Township, Section and Range
7. All distances, bearings and references stated with legal description.
8. Point of Beginning
9. Bold and distinct line around proposed easement.
10. Scale
11. RCE / LS signature and stamp.

**RANCHO CALIFORNIA WATER DISTRICT**

This Plat is Solely an Aid in Locating the Parcell(s) described in the Attached Document. It is not a Part of The Written Description Therein.

**SHEET**

**EXHIBIT**

**PREPARED BY:**

**SUBJECT:**

**B**

**OF SHEET(S)**

**SCALE: 1"=**

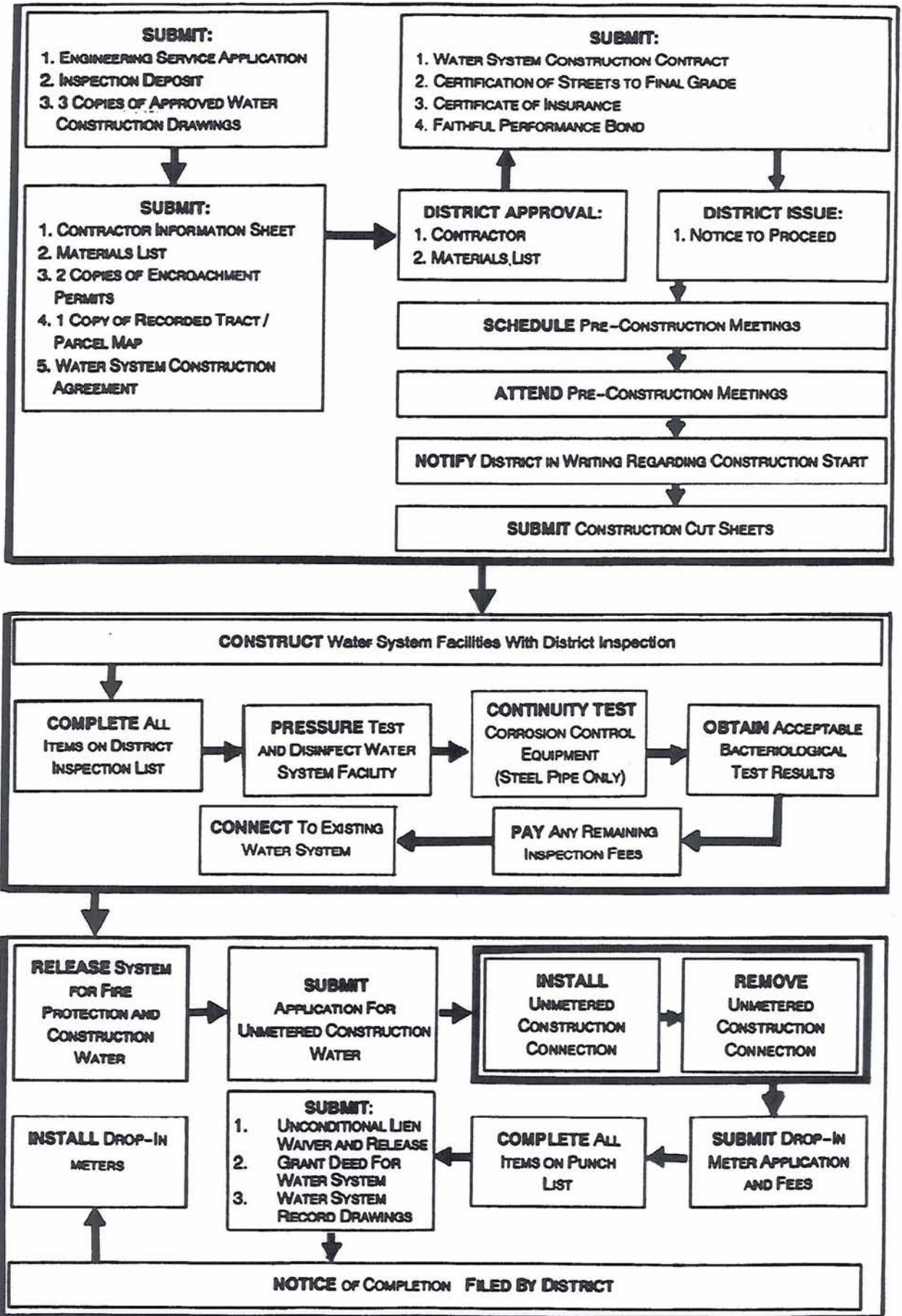
**DRAWN BY:**

**DATE:**

**CHECKED BY:**

**W.O.#**

# FLOWCHART FOR CONSTRUCTION OF WATER FACILITIES



**CONSTRUCTION STATUS SHEET**

RCWD Job No. \_\_\_\_\_ Inspector \_\_\_\_\_

Location: \_\_\_\_\_

Developer: \_\_\_\_\_

Contractor: \_\_\_\_\_

RECEIVED

APPROVED

SUBMITTED

_____	_____	Engineering Service Application
_____	_____	Inspection Deposit
_____	_____	Approved Water Construction Drawings (3 Sets)

_____	_____	Contractor Information Sheet
_____	_____	Materials List
_____	_____	Encroachment Permit (2 Copies)
_____	_____	Recorded Tract/Parcel Map (1 Copy)
_____	_____	Water System Construction Agreement

_____	_____	Contract for Water System Construction
_____	_____	Certification of Streets to Final Grade
_____	_____	Certificates of Insurance
_____	_____	Faithful Performance Bond
_____	_____	Labor and Materials Bond

DATE

_____	Notice to Proceed issued by District
_____	Preconstruction Meeting Conducted
_____	Received Cut Sheets
_____	Installed Waterlines and all Appurtenances
_____	Completed all Items on Inspectors Deficiency List

APPENDIX "J"

8/1/91



DATE

\_\_\_\_\_ Received City/County Compaction Tests  
 \_\_\_\_\_ Pressure Tested System  
 \_\_\_\_\_ Disinfected System  
 \_\_\_\_\_ Samples Taken for Bacteriological Tests  
 \_\_\_\_\_ Acceptable Bacteriological Results Obtained  
 \_\_\_\_\_ All Remaining Fees and Charges Paid  
 \_\_\_\_\_ Connection(s) to Existing System Completed  
 \_\_\_\_\_ Water System Released for Fire Protection  
 \_\_\_\_\_ Water  
 \_\_\_\_\_ Unmetered Construction Water Applications  
 \_\_\_\_\_ Unmetered Connections Removed  
 \_\_\_\_\_ Ready for Drop-in Meters  
 \_\_\_\_\_ Received Drop-in Meter Applications  
 \_\_\_\_\_ Received Drop-in Meter Fees  
 \_\_\_\_\_ Signed Drop-in Meter Applications

RECEIVED

APPROVED

SUBMITTED

\_\_\_\_\_ Material and Labor Release  
 \_\_\_\_\_ Water System Grant Deed  
 \_\_\_\_\_ Record Drawings

DATE

\_\_\_\_\_ Filed Notice of Completion  
 \_\_\_\_\_ Installed Drop-in Meters

CONTRACTOR INFORMATION SHEET

Firm Name and Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Contractor's License No.: \_\_\_\_\_

License Class: \_\_\_\_\_

License Expiration Date: \_\_\_\_\_

Telephone No.: \_\_\_\_\_

Emergency Telephone No.: \_\_\_\_\_

Contractor's Project Manager:

Name: \_\_\_\_\_

Telephone No.: \_\_\_\_\_

Emergency Telephone No.: \_\_\_\_\_

Contractor's Superintendent:

Name: \_\_\_\_\_

Telephone No.: \_\_\_\_\_

Emergency Telephone No.: \_\_\_\_\_

Contractor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Received: Rancho California Water District:

By: \_\_\_\_\_ Date: \_\_\_\_\_

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Contractor shall furnish three references for similar projects completed within the past three (3) years.

<u>Contract Amount</u>	<u>Type of Work</u>	<u>Date Completed</u>	<u>Owner (Name &amp; Address)</u>	<u>Person in Charge of Project</u>	<u>Phone Number of Person in Charge</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

APPENDIX "K"  
Sheet 2

RANCHO CALIFORNIA WATER DISTRICT  
OF RIVERSIDE COUNTY

WATER SYSTEM CONSTRUCTION AGREEMENT  
(DEVELOPER INITIATED/CONTRACTOR INSTALLED)

THIS AGREEMENT is made on this \_\_\_ day of \_\_\_\_\_, 19\_\_\_, by and between RANCHO CALIFORNIA WATER DISTRICT OF RIVERSIDE COUNTY, a public agency of the State of California, hereinafter designated as the "District" and \_\_\_\_\_ located at \_\_\_\_\_, Ph. No. \_\_\_\_\_, represented by \_\_\_\_\_ hereinafter designated as the "Developer".

WHEREAS, Developer is planning a development of \_\_\_\_\_ lot(s) located within the development referenced within records of the County of Riverside, State of California, as:

\_\_\_\_\_ and is further identified on the map attached to and made a part of this Agreement; and

WHEREAS, said subdivision will require a water distribution system to provide domestic water service to the lands referenced above; and

WHEREAS, Developer is desirous of having the District provide domestic water service to said lands and is willing to convey to the District the water distribution system after the construction thereof, contingent upon the District's acceptance of such conveyance on the terms and conditions set forth herein.

NOW, THEREFORE, THE PARTIES AGREE AS FOLLOWS:

1. District agrees to provide domestic water service to the aforesaid development in compliance with its applicable rules, regulations,

APPENDIX "L"

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ordinances, orders when, as, and if Developer has complied with the terms and conditions contained herein.

2. Developer agrees to construct the water system facilities necessary for aforesaid development in accordance with the following terms and conditions:

A. Developer will cause water system facilities to be constructed as shown on the District approved water construction drawings at its expense by a qualified California licensed Contractor. Said Contractor shall be currently licensed by the State of California with either a specialty contractor, "C-34, pipeline license or a General Engineering Contractor, "A" license. Said contractor shall be experienced in the construction of domestic water systems and shall have been reviewed by the District and approved by the District as a qualified Contractor before a contract is signed and construction begins.

B. Said water system facilities will be constructed and installed in full compliance with all applicable rules, regulations and ordinances of District including, but not limited to, District's Standard Specifications and Standard Drawings for Water and Sanitary Sewer Facilities.

C. Water construction drawings for said water system facilities shall be approved by District prior to the presentation thereof to contractors for bidding purposes and said facilities shall be constructed and installed in full compliance with said approved water construction drawings and District specifications referenced in paragraph "B" above.

D. The entire cost of the construction of such domestic system shall be paid by the Developer. Such construction shall be

APPENDIX "L"

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inspected by District personnel for conformance with the approved drawings and District specifications.

E. The District is not responsible and does not own the water system facilities until they are inspected and approved by the District; the Faithful Performance Bond is executed and accepted by the District, all fees and charges are paid in full, the Unconditional Lien Waiver and Release and the Water System Grant Deed are executed and accepted by the District. Until such time, Developer is responsible for the facilities and is liable for all damage to said facilities.

F. All existing District facilities shall be protected in place. Any damaged District facilities shall be replaced or repaired by Developer at the developer's expense to the satisfaction of District.

G. Developer will, on demand, pay all costs incurred by the District as may be necessary to complete construction including the applicable hourly rate for an inspector for such time as may be required as determined by District to inspect the construction of the water system facilities. Said rates shall be that which is applicable at the time of actual inspection. The inspector shall work under the supervision of District, and shall provide inspection until the water system facilities is accepted and approved as stated herein.

3. Construction shall not begin until District issues the "Notice to Proceed". Prior to District issuing "Notice to Proceed", Developer shall submit the following:

A. Copy of contract between Developer and Contractor verifying cost of water system facility construction.

APPENDIX "L"

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B. Certification of streets to final grade.

C. Certificates of insurance for contractor and all subcontractors on District form (A rating of A in the latest issue of Best's Key Rating Guide, Property-Casualty, Written by A.M. Best Company).

D. A faithful performance bond with corporate surety or sureties satisfactory to the District (A rating of A in the latest issue of Best's Key Rating Guide, Property-Casualty, Written by A.M. Best Company) on District form\*. Said performance bond being for not less than one hundred percent (100%) of the total contract price. Said bond guarantees the completion of the facilities (including submission of the Unconditional Lien Waiver and Release and the Water System Grant Deed) and guarantees the materials and workmanship of the installed domestic water system against failures of any type for one (1) year from the date of the filing of the "Notice of Completion". Said bond shall provide for the payment of all costs incurred by the District for the repair of such failures within the one (1) year guarantee period.

\* If separate City/County bonding is required, Developer can submit approved copy of City/County bonding in lieu of District bond.

4. The District will provide construction water and fire protection to the development after the Contractor has completed all items on the District Inspector's Construction Deficiency List, evidence has been submitted indicating County acceptance of compaction, acceptable bacteriological test results have been obtained, and any remaining inspection fees are paid in full.



5. The District will provide drop-in meters to the development and file a Notice of Completion after the following has been submitted:

A. Drop-in Meter Application and all related meter installation and connection fees.

B. Unconditional Lien Waiver and Release for waterline construction.

C. A Grant Deed executed by Developer vesting title of said water system facilities to the District. Said Grant Deed must be on District form and vests title only after the District files the Notice of Completion. In the event water rights are appurtenant to the development, Developer shall also grant said water rights to the District on District form.

D. An Agency Agreement will be required for each parcel if there is not a current Agency Agreement recorded against the property. The Agency Agreement gives the District the right of management of the groundwater resource to the District, for the benefit of all District customers.

6. At District's option, the terms and conditions of this Agreement will become null and void and District will have no further obligations hereunder in the event the construction of the facilities covered herein has not begun within 12 months of the date of this Agreement. In the event construction has not been accepted by District within 24 months of the date of this Agreement, this Agreement and any other related water system facility requirements must then be revised to include any new conditions and to cover all increased costs, including any new fees and charges which may be in effect at that time. No further work will be permitted until all provisions of this paragraph have been fulfilled.

APPENDIX "L"

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7. Developer agrees to hold the District free and harmless from any expense or liability resulting from the construction or installation of the water system facilities, and further agrees that Developer will indemnify the District and will hold it, its employees and agents free and harmless from and against any and all liabilities for death, injury, loss or damage to persons or property which may arise before, after or during construction of the water system facilities as a result of any work performed by Developer or on its behalf.

8. In the event that either party shall fail to perform its part of this Agreement, and suit shall be commenced, or an attorney employed to enforce the provisions thereof, the party who fails to perform his part of the Agreement agrees to pay any and all costs involved therein, and to pay a reasonable attorney's fee.

9. This Agreement shall be binding upon and inure to the benefit of the successors and assigns of the parties hereto, and each of them.

10. Whenever in this Agreement notice is required to be given, the same shall be given by certified mail, postage prepaid, addressed to the respective parties at the following addresses:

To Rancho California Water District:

Rancho California Water District  
General Manager  
P.O. Box 174  
Temecula, California 92390-0174

To Developer:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

APPENDIX "L"

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11. This Agreement contains all of the terms and conditions agreed upon by the parties hereto, and no other agreements, oral or otherwise, shall be deemed to exist or to bind the parties hereto unless hereafter duly placed in writing and executed by the undersigned.

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APPENDIX "L"

RANCHO CALIFORNIA WATER DISTRICT

By: \_\_\_\_\_  
General Manager

Date: \_\_\_\_\_

DEVELOPER

Company: \_\_\_\_\_

By: \_\_\_\_\_

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

8/1/91

APPENDIX "L"

TO: Rancho California Water District

From: \_\_\_\_\_

(address) \_\_\_\_\_

Subject: Certification of Streets to Final Grade

Tract Map No. \_\_\_\_\_, or

Parcel Map No. \_\_\_\_\_

1. There has been executed a "WATER SYSTEM CONSTRUCTION AGREEMENT" for the water mains described above; said Agreement being between:

a. The Rancho California Water District, hereinafter designated as the "District";

b. \_\_\_\_\_  
hereinafter designated as the "Developer"

All terms and conditions of said Agreement are hereby incorporated by reference.

2. Pursuant to Section 3 of said Agreement, the Developer certifies that all streets requiring water mains are to the required Final Grade and ready for installation of water mains; wherein the Final Grade shall be defined as the finished grade of the street base or sub-base required by the Riverside County Road Department, the City of Temecula, City of Murrieta, or the District.

3. Developer agrees that if there is a change required in the final grade of the street which occurs during or after the construction of the water mains, and requires the relocation of any water facilities, the Developer will make full payment for all costs necessary to relocate said water facilities.

Developer: \_\_\_\_\_

Address: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

Telephone: \_\_\_\_\_

Authorized Agent (sign): \_\_\_\_\_

Name (type): \_\_\_\_\_

Title: \_\_\_\_\_

APPENDIX "M"

8/1/91



CERTIFICATE OF INSURANCE

This certifies to the RANCHO CALIFORNIA WATER DISTRICT, located at 28061 Diaz Road, Temecula, California 92390, that the following described policies have been issued to:

Insured: \_\_\_\_\_

Address: \_\_\_\_\_

Coverage is provided for the following operation(s)/location(s):

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Limits of Liability  
 in thousands (000)  
 Policy Covers

<u>Type of Insurance</u>	<u>Insurer of Policy No.</u>	<u>Policy Expiration Date</u>	<u>Each Occurrence</u>	<u>Aggregate</u>
<b>GENERAL LIABILITY-"Occurrence" Policies Only</b>				
<input type="checkbox"/> Comprehensive Form	BODILY			
<input type="checkbox"/> Premises-Operations	INJURY		\$	\$
<input type="checkbox"/> Owners & Contractors Protective				
<input type="checkbox"/> Blanket Contractual	PROPERTY			
<input type="checkbox"/> Products and/or Completed Operations	DAMAGE		\$	\$
	BODILY INJURY & PROPERTY DAMAGE		\$	\$
<input type="checkbox"/> Explosion & collapse Hazard	COMBINED			
<input type="checkbox"/> Underground Hazard				
<input type="checkbox"/> Broad Form Property Damage				
<input type="checkbox"/> Policy to include severability of interest clause				
<input type="checkbox"/> Personal Injury Exclusion "C" Removed				
	<b>PERSONAL INJURY</b>		\$	

(Coverage shall be at least as broad as Insurance Service Office Form Comprehensive General Liability and Insurance Service Form Comprehensive General Liability; Broad Form Comprehensive General Liability; Insurance Service Office Commercial General Liability coverage 0001. All insurance companies issuing policies covered in this are a rating of A in the most current issue of Best's Key Rating, Written by A.M. Best Company.)

**AUTOMOBILE LIABILITY - "Occurrence" Policies Only**

- |   |  |
|---|--|
| <input type="checkbox"/> Comprehensive Form | BODILY INJURY<br>(EACH PERSON)               |
| <input type="checkbox"/> Owned              | BODILY INJURY<br><u>(EACH OCCURRENCE</u>     |
| <input type="checkbox"/> Hired              | <u>PROPERTY DAMAGE</u>                       |
| <input type="checkbox"/> Non-owned          | BODILY INJURY<br>PROPERTY DAMAGE<br>COMBINED |

(Coverage shall be at least as broad as Insurance Service Office covering automobile liability. Code 1 "any auto" and endorsement)

**EXCESS LIABILITY - "Occurrence" Policies Only**

- |   |                                    |
|---|------------------------------------|
| <input type="checkbox"/> Umbrella form            | BODILY INJURY &<br>PROPERTY DAMAGE |
| <input type="checkbox"/> Other than umbrella form | COMBINED                           |

**WORKERS COMPENSATION AND EMPLOYERS' LIABILITY - STATUTORY**

- |  |   |
|--|---|
| <input type="checkbox"/> TION AND EMPLOYERS' LIABILITY | ) |
|--|---|

(Coverage shall be as broad as required by the Labor Code of Employer's liability coverage.)

- |   |                                    |
|---|------------------------------------|
| <b>BUILDERS RISK (FIRE "ALL RISK") - "Occurrence" Policies Only</b> | <input type="checkbox"/> OND<br>VA |
|---|------------------------------------|

The following provisions apply:

1. The Rancho California Water District, its officers, agents, employees, and consultants are hereby declared to be additional insureds on all of the above-mentioned described liability insurance policies, as respects the operations of the named insured at or from the premises of the Rancho California Water District described above.

2. The above-described liability insurance policies are primary insurance and no insurance held or owned by the designated additional insureds shall be called upon or looked to in order to cover a loss under said policy; the Rancho California Water District shall not be liable for the payment of premiums or assessments under these policies.

3. None of the above-described policies will be cancelled, limited or non-renewed until thirty (30) days after receipt by the Rancho California Water District or a written notice of such cancellation or reduction of coverage as evidenced by receipt of a registered letter.

4. The insured(s) issuing the above described workers' compensation and/or builders risk insurance policies waives all rights of subrogation against the Rancho California Water District, its officers, agents, employees, and consultants, designated as additional insured.

5. Any failure to comply with reporting provisions of the policies shall not affect coverage provided to the Rancho California Water District, the Owner's Representative, the Engineer/Architect and their officers, agents, employees, consultants, and volunteers.

6. The named insured(s) insurance coverage shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insured's liability.

\_\_\_\_\_

Insurance Agency: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Authorized Representative: \_\_\_\_\_

Phone: \_\_\_\_\_

Date: \_\_\_\_\_



BOND NO. \_\_\_\_\_

FAITHFUL PERFORMANCE BOND  
FOR  
WATER SYSTEM CONSTRUCTION AGREEMENT

KNOW ALL PERSONS BY THESE PRESENTS: That WHEREAS, the Rancho California Water District, has entered into a Water System Construction Agreement (All terms and conditions of said Agreement are hereby incorporated by reference) with \_\_\_\_\_, as Principal, (hereinafter designated as the "Developer"), for construction of:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_ ; and

WHEREAS, said Principal is required under the terms of said Agreement to furnish a bond for the faithful performance of said contract.

NOW, THEREFORE, we, \_\_\_\_\_, as Developer, and \_\_\_\_\_, as Surety, are held and firmly bound unto the Rancho California Water District (hereinafter called the "District"), in the sum of \_\_\_\_\_ DOLLARS (\$\_\_\_\_\_) (this amount being not less than one hundred percent (100%) of the total price of the work), lawful money of the United States of America, for payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH THAT, if the hereby bonded Developer, its heirs, executors, administrators, successors, or assigns, shall in all things stand to and abide by and well and truly keep and perform all the undertakings, terms, covenants, and conditions in said Agreement and any alteration thereof, made as therein provided, all within the time and in the manner therein designated in all respects according to their true intent and meaning, then this obligation shall become null and void; otherwise it shall be and remain in full force and effect until Developer has completed construction of the facilities including repair of any damage of existing District facilities and provided District with an Unconditional Lien Waiver and Release and a Water System Grant Deed and has paid all fees and charges.

As a condition precedent to the satisfactory completion of the work (including submission of the Unconditional Lien Waiver and Release, submission of the Water System Grant Deed, payment of all fees and charges, and repair of any damage of existing District facilities), the above obligation shall hold good for a period of one (1) year after the completion of the Work and filing of the Notice of Completion by the District, during which time if Developer shall fail to make full, complete, and satisfactory repair and replacements and totally protect



the District from loss or damage made evident during the period of one (1) year from the date of filing of the Notice of Completion by the District, and resulting from or caused by defective materials or faulty workmanship, the above obligation in penal sum thereof shall remain in full force and effect. Notwithstanding anything in this paragraph to the contrary, the obligation of Surety hereunder shall continue so long as any obligation of Developer remains.

FURTHER, the said Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration or modification of the Agreement, or of the work to be performed thereunder, shall in any way affect its obligations on this bond; and it does hereby waive notice of any change, extension of time, alteration or modification of the Agreement or of work to be performed thereunder.

IN WITNESS WHEREOF, two (2) identical counterparts of this instrument, each of which shall for all purposes be deemed an original thereof, have been duly executed by the Developer and Surety named therein, on the \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, the name and corporate seal of each corporate party being hereto affixed and these presents duly signed by its undersigned representative pursuant to authority of its governing body.

\_\_\_\_\_  
Developer (seal)

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Signature: \_\_\_\_\_

\_\_\_\_\_  
Surety (seal)

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Signature: \_\_\_\_\_

Address: \_\_\_\_\_

APPROVED AS TO FORM:  
McCormick, Kidman & Behrens  
District Legal Counsel

By: \_\_\_\_\_

(SEAL AND NOTARIAL  
ACKNOWLEDGEMENT OF SURETY)

UNMETERED CONSTRUCTION WATER APPLICATION

Temporary connections for house construction are necessary during the drywall installation phase; therefore, the service category of unmetered construction water is available.

The service is available for construction only. This service is not to be used for landscaping or any domestic/commercial use. Unauthorized use is subject to the conditions, as established in Penal Code Section 498, attached, and immediate discontinuance of water service.

A \$ \_\_\_ monthly charge covers unmetered water use, standby charge, and periodic inspection by the Meter and Contracts Department personnel.

Prior to connection by the builder, the Contracts Manager will verify the following:

- (1) In-tract water system has been tested and disinfected;
- (2) Service laterals have been installed with an extra length extending a minimum of two feet above ultimate grade and 2" x 4" stakes (4 feet in length) have been installed to mark the location of the service lateral. Said stakes shall provide for temporary mounting of the extended service lateral with double check valves for the protection of the existing system. All work shall be in accordance with District's Standard Drawing No. RW-12.

At such time as the developer has completed all utility installations and established final grade to the satisfaction of the District, the temporary connection shall be removed, the delivery of water discontinued completely, and the service shall be completed in accordance with the District standard specifications.

After services have been accepted and approved by the Contracts Manager, approximately two weeks is required before meters are installed.

In accordance with the Water System Construction Agreement (all terms and conditions of said Agreement are herein incorporated by reference), the District is not responsible and does not own the water system facilities until said system is transferred to the District. Until such time, Developer is responsible for the facilities and is liable for all damage to said facilities.

I/we hereby acknowledge my/our understanding of the aforementioned conditions and intention of unmetered construction water use.

\_\_\_\_\_  
Service Applicant Signature

\_\_\_\_\_  
Date

8/1/91

APPENDIX "P"

UNCONDITIONAL LIEN WAIVER AND RELEASE

DATE: \_\_\_\_\_

TO WHOM IT MAY CONCERN:

The undersigned has been paid in full for all labor, services, equipment or materials furnished to \_\_\_\_\_ ("Contractor") on the job for the Rancho California Water District ("District") located at \_\_\_\_\_ in the County of Riverside, State of California ("Property").

The undersigned does hereby waive and release Contractor and District from any and all liability for liens for all materials delivered and labor performed by it, all Mechanic's Liens, including ones that have been recorded. Stop Notices, or any right against a Labor and Material Bond, to or for the Job and the Property on which is it located.

This Unconditional Lien Waiver and Release, Materials and Labor, is made in accordance with Civil Code s3262 and s5 of the Water System Construction Agreement between Rancho California Water District and Developer \_\_\_\_\_, dated \_\_\_\_\_.

NOTICE: THIS DOCUMENT WAIVES RIGHTS UNCONDITIONALLY AND STATES THAT YOU HAVE BEEN PAID FOR GIVING UP THOSE RIGHTS. THIS DOCUMENT IS ENFORCEABLE AGAINST YOU IF YOU SIGN IT, EVEN IF YOU HAVE NOT BEEN PAID. IF YOU HAVE NOT BEEN PAID, USE A CONDITIONAL RELEASE FORM.

	Firms Name
	Address
	City, State
	By: _____ Authorized Representative



W.O. \_\_\_\_\_

WATER SYSTEM GRANT DEED

FOR VALUABLE CONSIDERATION paid and received,

\_\_\_\_\_ hereby grant(s) to Rancho California Water District all right, title and interest in the water system improvements for the entire domestic water distribution system facilities for the development referenced with records of the County of Riverside, State of California as \_\_\_\_\_ and agrees to indemnify the District for any and all claims, liens, causes of action or any type of liability arising from or in any way related to the construction of said facilities.

Said water system improvements are shown in detail on the construction drawings (Sheets \_\_\_ thru \_\_\_) for said development. This Grant Deed is in accordance with Section 5 of the Water System Agreement between Rancho California Water District and \_\_\_\_\_, dated \_\_\_\_\_ and is effective upon Developer providing the Unconditional Lien Waiver and Release and upon filing of the Notice of Completion by the District for the aforementioned water system improvements.

SELLERS for his heirs, executors and administrators, co agents and agrees to warrant and defend this sale of property, goods and chattels, against all and every persons claiming the same.

DATE: \_\_\_\_\_

\_\_\_\_\_  
BY: \_\_\_\_\_

SEAL AND NOTARIAL ACKNOWLEDGEMENT

8/1/91

APPENDIX "R"





# AGENCY AGREEMENT NO. \_\_\_\_\_

THIS AGREEMENT, made this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, by and between \_\_\_\_\_

(hereinafter referred to as "Landowner"), and RANCHO CALIFORNIA WATER DISTRICT, a public corporation organized and existing under Division 13 of the Water Code of the State of California (hereinafter referred to as the "District"); for the property described as follows: \_\_\_\_\_ (legal description attached).

### WITNESSETH:

WHEREAS, the District has power and authority to act as agent for the extraction, diversion, storage and distribution of water owned by other parties; and

WHEREAS, Landowner is the owner of certain land within the District described in Exhibit "A" attached hereto and made a part hereof; and

WHEREAS, said land owned by Landowner is a portion of land found by the United States District, et al., in the United States of America v. Esilbrook Public Utility District, et al., in the United States District Court, Southern District of California, Southern Division, Case No. 1247, affirmed in part by the United States Court of Appeals for the Ninth Circuit, Case No. 18831, to be land riparian to certain rivers and streams, including the Santa Margarita River and its tributaries, and also which may be land overlying percolating waters; under a court decree entered December 28, 1940 in the case Rancho Santa Margarita v. Vail, 11 Cal. 2d 401 (1939), and reinstated by the United States Court of Appeals for the Ninth Circuit in said Case No. 18831; and

WHEREAS, Landowner, without transferring any water right and privilege pertaining to said land, does desire to empower the District to act as its agent and the agent of its successors and assigns to extract, store and divert the water to which it is entitled (hereinafter referred to as "local water"), and to supply the same to its land and all other land having, under the laws of the State of California or pursuant to any judgement or contract, a legal right to have said water applied thereon.

NOW, THEREFORE, in consideration of the mutual promises and agreements herein contained, the parties hereto agree as follows:

Section 1. Landowner hereby designates the District its exclusive agent and the exclusive agent of its assigns and successors in interest for the extraction, diversion, storage, blending and distribution of all local water upon or under the lands of Landowner referred to in the recitals hereof for the purpose of putting said local water to beneficial use to the fullest extent of which it is capable for the lands and inhabitants of Landowner and all other lands within the watershed of the Santa Margarita River and its tributaries on which said local water now and hereafter may be legally applied. It is the intention of Landowner by this Agreement to maintain a binding and permanent arrangement whereby said local water shall be properly maintained and be perpetually delivered and distributed to all of said lands entitled thereto and the subdivisions thereof for the use of Landowner, its assigns and its successors in interest and other owners of such lands.

Section 2. Landowner hereby grants to the District the right to blend local water with imported supplemental water, to distribute imported water to Landowner in lieu of or in addition to the distribution of local water and to store imported water under the lands of Landowner.

Section 3. Landowner agrees that all local water to be used by Landowner within the District shall be obtained from the District or its assigns and successors in interest. Landowner shall not divert or extract within or outside the boundaries of the District local water for Landowner's own use within the District nor shall Landowner supply local water for use within the District by others. Landowner further agrees not to divert or extract within the District local water for use by Landowner or others outside the District. Landowner reserves to itself, its assigns, and its successors in interest all water rights and privileges presently owned and which may be hereinafter acquired pertaining to said land and nothing in this Agreement shall be construed as appropriating or dedicating said water rights or any water to public use.

Section 4. This agency shall be effective and irrevocable in perpetuity and the same shall be deemed an agency coupled with an interest, provided, however, this Agreement shall terminate and be of no further force or effect upon a determination by any court of competent jurisdiction in an appropriate action that the method of extraction and distribution of said local water herein provided is not a proper method of exercising the riparian and other water rights of Landowner.

Section 5. The District agrees to divert, extract, store and distribute local water for the benefit of Landowner. The District agrees to acquire by lease, purchase, gift or otherwise all wells and water distribution facilities useful and necessary to extract, store and distribute said local water to the lands and inhabitants entitled thereto in accordance with this Agreement. Nothing contained herein shall prohibit the District from exercising any of its powers granted by the California Water District Law nor shall the District be prohibited from acquiring supplemental water for distribution to all lands within the District.

Section 6. This Agreement shall not be assignable by the District without the written consent of Landowner; provided, however, the District may contract with any municipal, public or private corporation for the management and operation of any water facilities owned by or leased by the District.

Section 7. The District shall have full control of the allocation of all costs of acquisition and construction of District facilities using any method or a combination of methods, as set forth in the California Water District Law, or raising funds to defray said costs. The District may adopt such rules and regulations for the distribution of local water as it deems necessary. The District may allocate the distribution of the available local water in any manner authorized in the California Water District Law or the rules and regulations of the District adopted pursuant to said law. Rates and charges for the distribution of local water may be made and shall be payable by Landowner, its assigns and its successors in interest as determined by the Board of Directors of the District from time to time; provided, however, said rates and charges shall not be so set to discriminate between water users in substantially the same classification.

Section 8. Neither the District nor the Landowner warrants the quantity or quality of the local water to be extracted and distributed by the District.

Section 9. This Agency Agreement shall inure to the benefit of and be binding on the assigns and successors in interest of the District and of the Landowner. In the event Landowner shall convey, transfer or in any manner alienate title to all or any portion of the real property of Landowner located within the District, the successors in interest in the fee simple estate or any lesser estate of said real property shall execute an Agency Agreement in the identical form hereof as a condition precedent to said transfer; provided, however, non-compliance with said condition shall in no wise be construed to annul or terminate the agency created hereby and all rights and duties hereunder shall be binding on the assigns and successors in interest of the real property of Landowner located within the District.

Section 10. If any one or more of the terms, provisions, covenants or conditions of this Agency Agreement shall to any extent be declared invalid, unenforceable, void or voidable for any reason whatsoever by a court of competent jurisdiction, the finding or order or decree of which becomes final, none of the remaining terms, provisions, covenants and conditions of this Agency Agreement shall be affected thereby, and each provision of this Agency Agreement shall be valid and enforceable to the fullest extent permitted by law.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement as of the day and year first above written.

(CORPORATE SEAL)

ATTEST:

Secretary \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
"Landowner"

RANCHO CALIFORNIA WATER DISTRICT

By \_\_\_\_\_  
President "District"

8/1/91

**CORPORATE ACKNOWLEDGMENT:**

State of \_\_\_\_\_ }  
County of \_\_\_\_\_ } SS.

On this the \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, before me,

\_\_\_\_\_  
the undersigned Notary Public, personally appeared

- personally known to me  
 proved to me on the basis of satisfactory evidence to be the person(s) who executed the within instrument as \_\_\_\_\_ or on behalf of the corporation therein named, and acknowledged to me that the corporation executed it.  
WITNESS my hand and official seal.

\_\_\_\_\_  
Notary's Signature

**GENERAL ACKNOWLEDGMENT:**

State of \_\_\_\_\_ }  
County of \_\_\_\_\_ } SS.

On this the \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, before me,

\_\_\_\_\_  
the undersigned Notary Public, personally appeared

- personally known to me  
 proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) \_\_\_\_\_ subscribed to the within instrument, and acknowledged that \_\_\_\_\_ executed it.  
WITNESS my hand and official seal.

\_\_\_\_\_  
Notary's Signature

**FOR COUNTY USE ONLY:**

**Exhibit F**

**Required Approvals**

**NONE**

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2  
3  
4  
5  
6  
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