



# **SANTA CRUZ COUNTY PUBLIC WORKS DEPARTMENT**

## ***CSA 7 - BOULDER CREEK ENGINEER'S REPORT***

**February 4, 2020**

Santa Cruz County Public Works Department  
701 Ocean Street, 4<sup>th</sup> floor, Room 410  
Santa Cruz, CA 95060

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**CSA 7 Boulder Creek  
Treatment Plant**

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### Introduction

On May 21, 1968, the Board of Supervisors passed and adopted Resolution number 345-68 to establish Boulder Creek County Service Area (CSA) No. 7 to provide operation and maintenance of the sanitary sewer system.

CSA No. 7 consists of 263 sewer connections, 3.0 miles of 8-inch gravity sewer main, 1.27 miles of 4-inch force main, 83 sewer manholes, 6 clean outs, a wastewater treatment plant, 5 pump stations and 4 leach pits. The Boulder Creek Wastewater Treatment Plant treats the domestic wastewater from the Boulder Creek Country Club and housing suburb with an average daily flow of 30,144 gallons per day. These facilities are operated and maintained by the County of Santa Cruz Department of Public Works' Sanitation Division. Revenues to operate the treatment facility and associated sewer collection system are collected on annual property tax bills from all parcels whose properties are connected to the system.

Appendix A includes a map of CSA No. 7 and Appendix E includes a copy of Resolution no. 345-68.

### Current Use of Revenue

Assessment charges on each property is based on an initial estimate of the annual operating cost and expenses for the maintenance and operation of the system, as well as the funding deemed necessary for future capital improvements and reserves (replacement funding). The adopted 2019-2020 budget showing the currently budgeted revenues and expenditures is given in Appendix D.

### Required System Improvements

The following improvements have been deemed necessary by County Sanitation Division staff (Staff):

#### Blower Line

The blower line is an 8-inch ductile iron pipe that runs from the blower room to the treatment plant, it was leaking and repairs were completed in 2019 and the costs were approximately \$25,000. Work was performed on an emergency basis by Durden Construction. If the blower lines were to fail, hauling of wastewater would be required in order to maintain compliance with the State permit.

#### Blower

The existing blowers are in need of replacement. The blowers provide air to the aeration tank through diffusers that are located at the bottom of the tank. The air provides oxygen to the liquid in the tank

for the bacteria to thrive and removes organic materials and nutrients. If the blowers were to fail, hauling of the wastewater would be required in order to maintain compliance with the State permit.

#### Equalization Tank

The equalization tank is also in need of replacement. The equalization tank is used as a holding basin after the influent leaves the grinder and allows for optimization of the the wastewater treatment plant during variations of flows. During periods of high levels of discharge, wastewater is diverted to the equalization tank and is held there before treatment or at times is removed by hauling to prevent a sanitary sewer overflow.

The equalization tank was designed to include a mixer to mix the equalization effluent and provide a uniform volume and composition to the Aeration Tank. Currently a mixer is not used, but Staff is recommending that a mixer be purchased and installed as part of the equalization tank improvements.

#### Wastewater Treatment Plant Office

The office of the wastewater treatment plant is in need of major repairs. The existing roof leaks and the interior of the office is in need of structural improvements, roof repairs and insulation.

#### Sewer Collection System

Staff is also recommending the sewer main collection system be inspected by closed-circuit televising and the installation of flowmeters. The wastewater treatment plant experiences high levels of infiltration during wet weather. The average daily wet flow is approximately is 40,000 gallons per day and for comparison the average daily dry flow is approximately is 30,144 gallons per day.

The budget for 2019/2020 fiscal year did not allocate costs for the maintenance and operation of the sewer collection system. For fiscal year 2020/2021, \$15,000 are budgeted for closed-circuit televising flow meter installations to identify the sewer main structural deficiencies.

#### Pump Station Clubhouse #1

The existing pump station was constructed in 1972 and is located behind the Boulder Creek Golf Course clubhouse and Boulder Creek runs along the westerly side of the station. During storm events, the pump station experiences high levels of inflow and infiltration (I&I). The County proposes to make improvements to the wetwell to decrease the I&I. In addition, the pumps need replacement and the County proposes to install submersible pumps. The increased I&I impacts the equipment at treatment plant and increases the hauling of untreated wastewater from the treatment plant during storm events.



The pump station improvements are planned for fiscal year 2022/2023 and the capital reserves will be used for the project costs.

### Estimated Cost Improvements

An estimate of the costs required to construct and maintain the described required system improvements as well as a schedule for improvements are shown in the following table:

<b>Capital Improvement</b>	<b>Estimated Cost</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>
Capital Replacement Reserves	\$354,843				X
Equalization Tank Replacement	\$250,000		X		
Treatment Plant Upgrades (Blowers)	\$15,000	X			
Equalization Tank Mixer Installation	\$75,000		X		
Office Improvements	\$10,000			X	
Pump Station Upgrades	\$18,892	X			
Pump Station #1 Rehabilitation	\$600,000				X
Structure Upgrades	\$42,255			X	
<b>Total Estimated Costs</b>	<b>\$1,365,990</b>				

### Charge Calculation and Proposed Charge

The annual sewer service charge levied on each parcel is based on the direct cost of providing service to the parcels within the boundaries of the CSA. The Santa Cruz County Board of Supervisors approved the current rates charged, which became effective on July 1, 2019. The approved annual charges for Fiscal Year 2019/2020 are shown in the table below.

<b>Unit Type</b>	<b>No. of Units</b>	<b>Sewer Service Charge FY 2019/2020</b>
Golf Course Pool	1	\$1,479.15 plus \$6.76 per HCF
Golf Course, Club House	1	\$1,479.15 plus \$6.76 per HCF
Condos	163	\$1,932.81
Golf Course Tennis Court	1	\$1,479.15 plus \$6.76 per HCF
Single Family	98	\$2,143.82

HCF = hundreds cubic feet

The costs to provide sewer service increase over time, so typically rates are raised in accordance with the Consumer Price Index (CPI) annually. However, due to the extent of the improvements required over the coming years and the increase in operation costs, an increase of the CPI, will not be sufficient. The sewer service charge for the 2020/2021 fiscal year is being established by the County to cover the required maintenance and operation. See attached historical rate increases and proposed rate increases in Appendix D. A sewer charge rate increase of 4.5 percent (4.5%) is proposed for the 2020/2021 fiscal year to cover the increased cost of maintenance and operations expenses as well as funds for the proposed capital improvement projects.

### Proposition 218 Considerations

Proposition 218, which the voters of the State of California passed on November 5, 1996, contains requirements for the imposition of a fee or charge for property related services. Requirements for fees and charges are contained in Section 6 of Article XIII D.

Paragraph (b) describes the requirements for new, existing, or increased fees and charges, as:

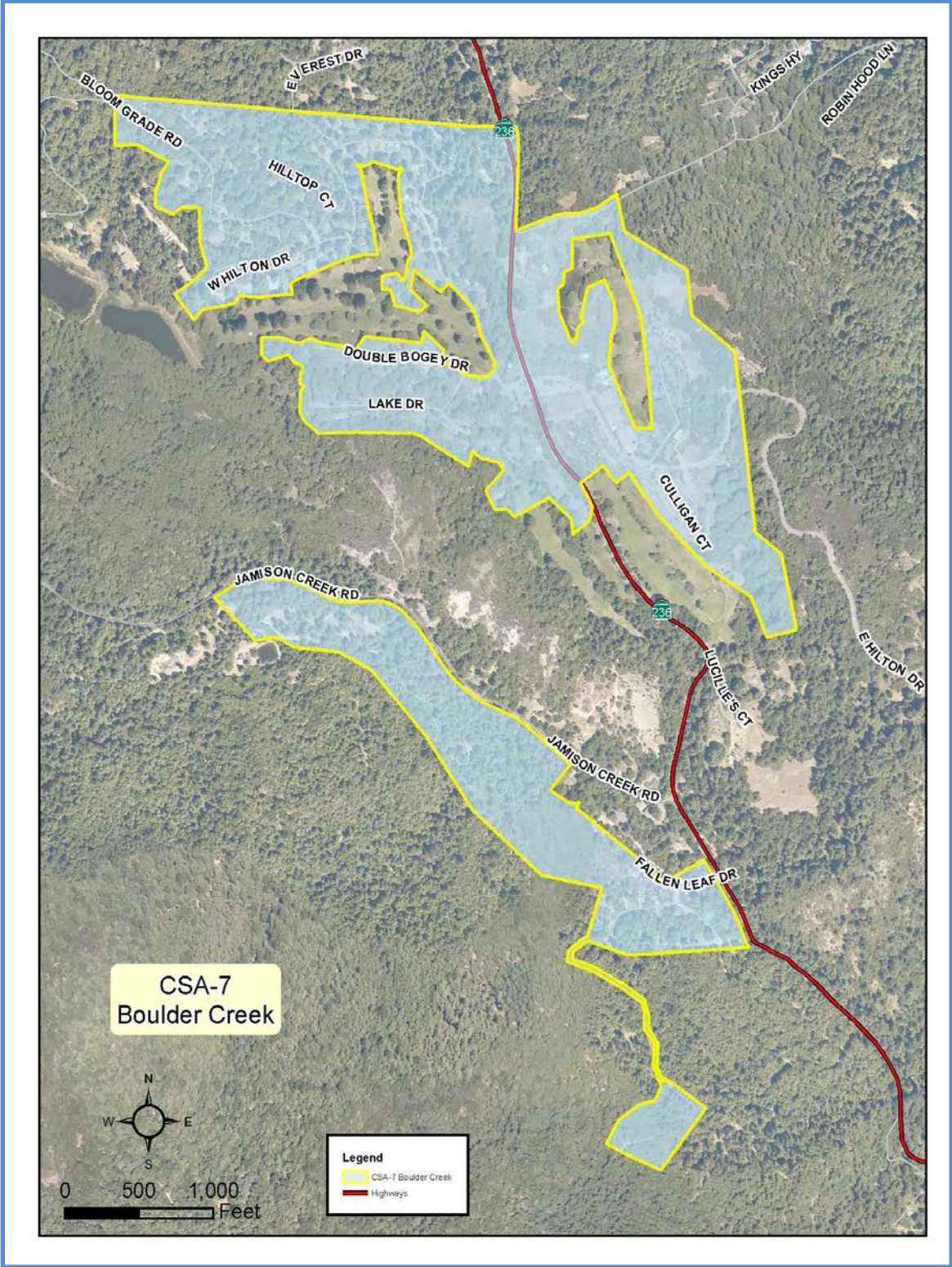
- (1) Revenues shall not exceed the funds required to provide the service.
- (2) Revenues shall not be used for any other purpose.
- (3) The amount of the fee or charge imposed upon any parcel or person as an incident of property ownership shall not exceed the proportional cost of the service attributable to the parcel.
- (4) No fee or charge may be imposed unless the service is actually used by or immediately available to the owner of the property in question.
- (5) No fee or charge shall be imposed for general governmental services, i.e., police, ambulance, library, where the service is available to the public at large in substantially the same manner as it is to the property owners.

This report and recommended charges comply with these requirements as follows:

- Revenues generated by this charge will not exceed funds required to provide sewer services and shall not be used for any other purpose, besides what has been described herein.
- The sewer charge is the proportional cost of provided service to the parcels in the CSA and the charge is for actual use or is immediately available to the property in question.

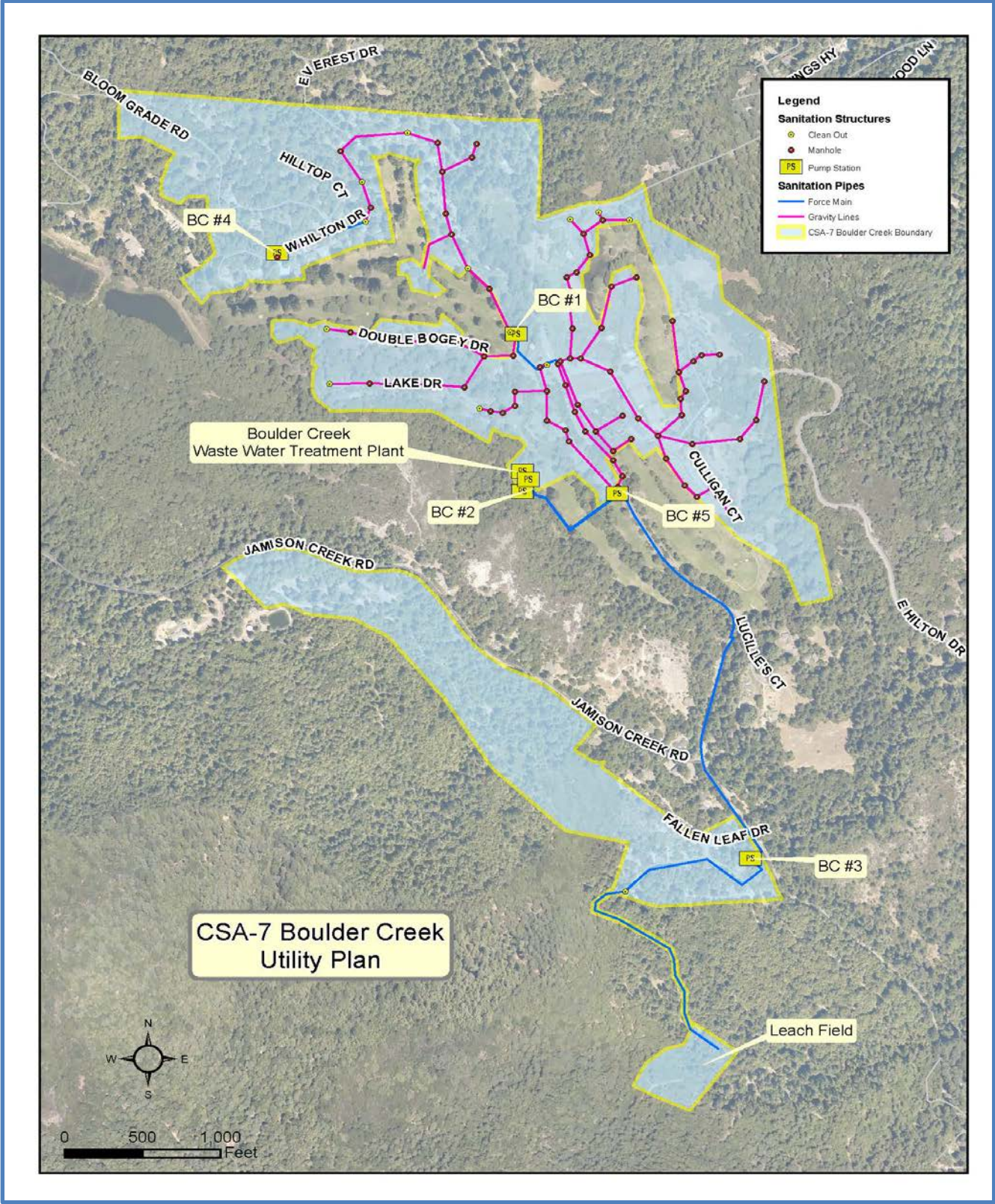
A Service Charge Report (a listing of the Assessor's Parcel Numbers to be levied with the proposed charge amounts) is not contained in this report, but will be filed with the County Clerk in an electronic format at least two weeks prior to the public hearing for the service charge reports regarding the levy and collection of the charges for the 2020-2021 fiscal year. The purpose of the public hearing on the service charge reports is for the Board to hear and consider all objections or protests, if any, to the service charge reports. The service charge reports must be approved by the Board and forwarded to the Auditor-Controller, in order to be included on the 2020-2021 property tax roll.



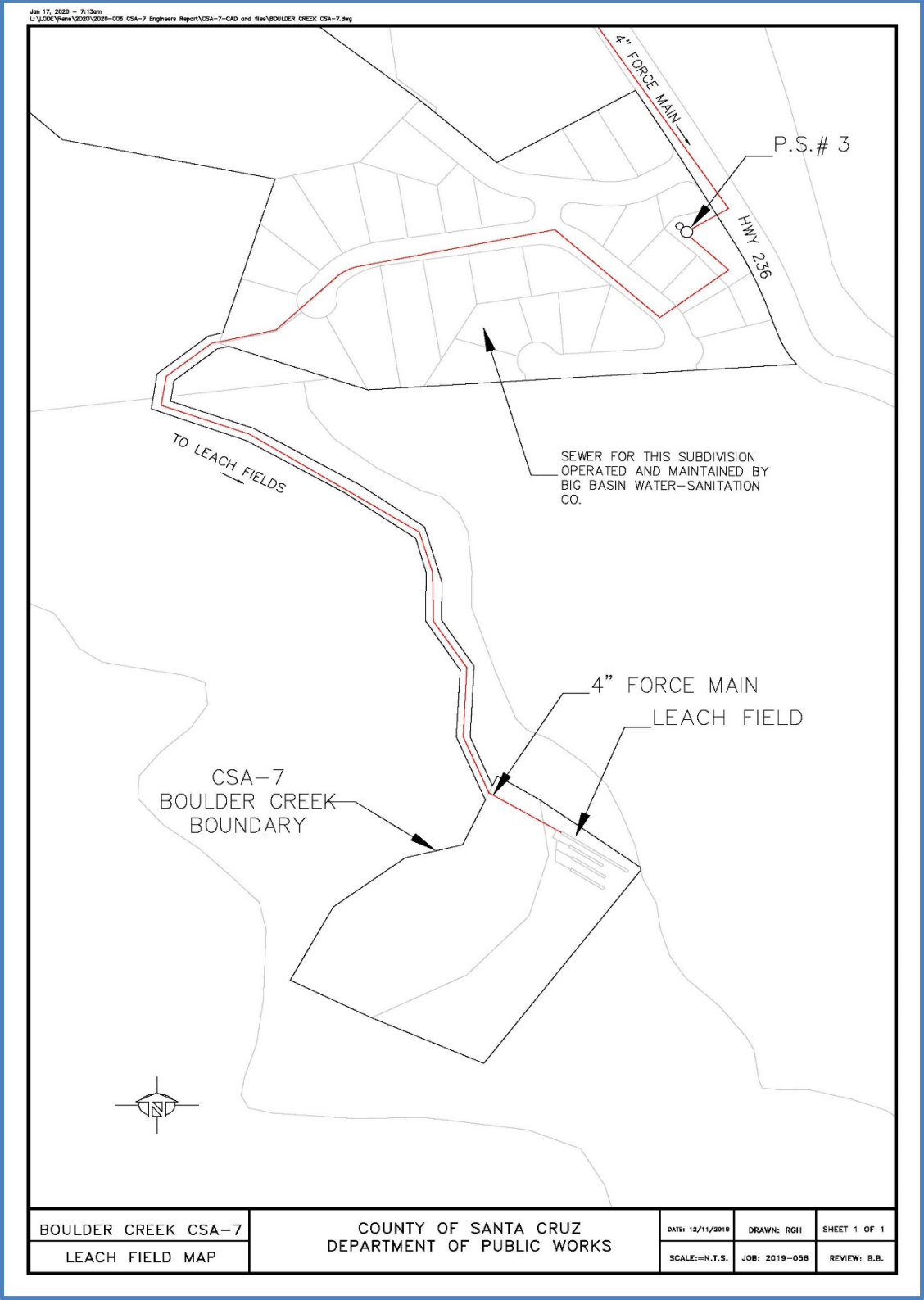


**Appendix A**  
**CSA 7 Boulder Creek Map**





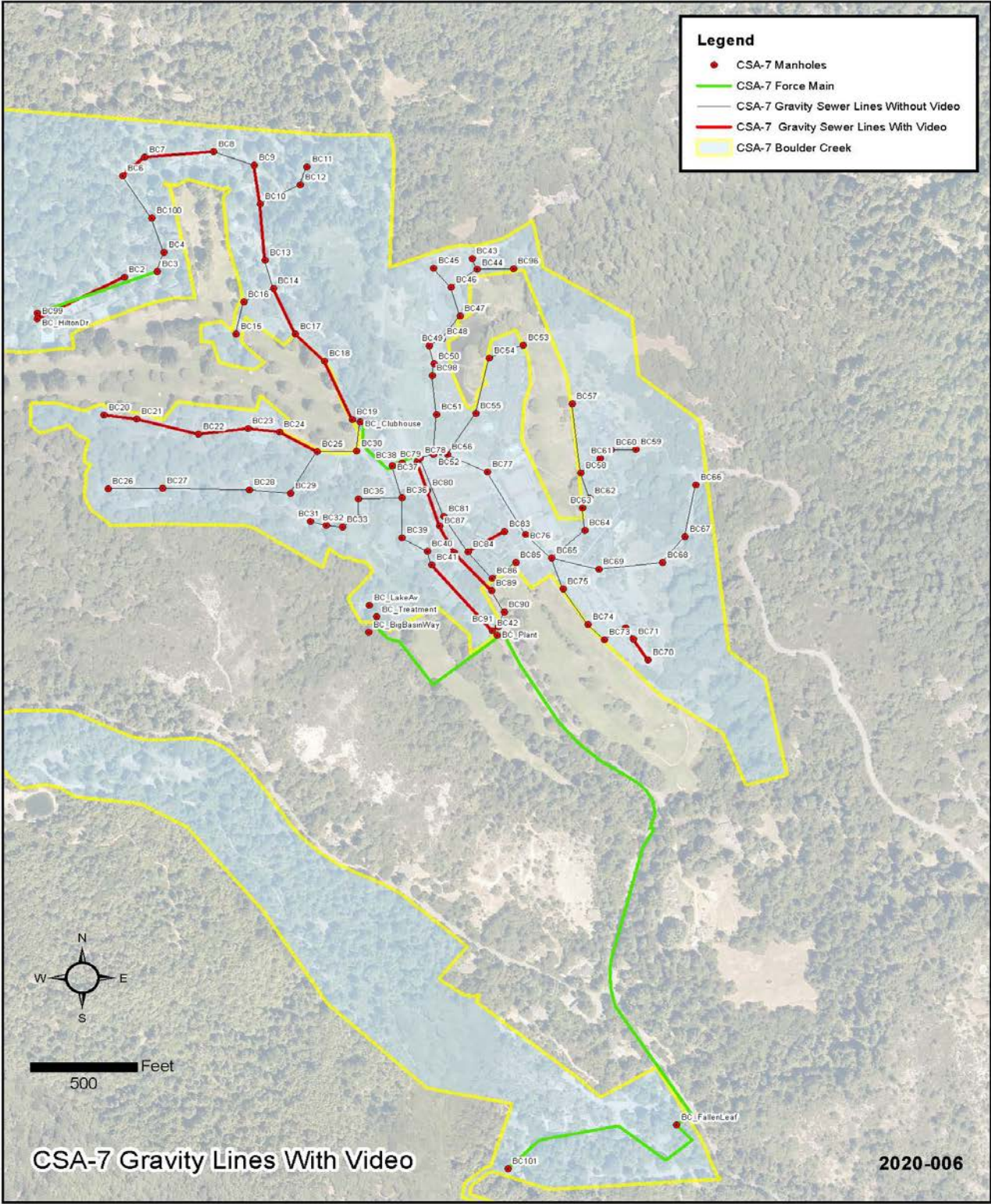
**Appendix B**  
**CSA-7 Sanitary Sewer Map**



**Appendix C**

**CSA-7 Leach Field Overview Plan**





**Appendix D**

**CSA-7 Sewer Lines with Video**

## Appendix E

### Historical and Projected Revenue and Expenditures

	Historical Rates				Rates and Revenue			
	Number of Units	FY 16/17 Rate	FY 17/18 Rate	FY 18/19 Rate	FY 19/20 Rate	19/20 Total Revenue	FY 20/21 Rate	20/21 Total Revenue
Golf Course Pool*	1	\$1,329.04 + \$6.08/HCF	\$1,375.56 + \$6.29/HCF	\$1,415.45 + \$6.60/HCF	\$1,479.15 + \$6.76/HCF	\$2,976.29	\$1,545.71 +\$7.06/HCF	\$3,110.22
Golf Course, Club House*	1	\$1,329.04 + \$6.08/HCF	\$1,375.56 + \$6.29/HCF	\$1,415.45 + \$6.60/HCF	\$1,479.15 + \$6.76/HCF	\$8,030.27	\$1,545.71 +\$7.06/HCF	\$8,391.63
Condos	163	\$1,736.68	\$1,797.46	\$1,849.59	\$1,932.82	\$315,049.66	\$2,019.80	\$329,227.40
Golf Course Tennis Court*	1	\$1,329.04 + \$6.08/HCF	\$1,375.56 + \$6.29/HCF	\$1,415.45 + \$6.60/HCF	\$1,479.15 + \$6.76/HCF	\$1,549.86	\$1,545.71 +\$7.06/HCF	\$1,619.60
Single Family	98	\$1,926.26	\$1,993.68	\$2,051.50	\$2,143.82	\$210,094.36	\$2,240.29	\$219,548.42
						\$532,323.44		\$556,278.31
SFD increased by 1 for FY 19/20 - verified no of SFD is 98								
*HCF = 100 CF of Water								



Project #	Description	19/20 Adopted Budget	20/21 Proposed Budget	21/22 Proposed Budget
	<b>Beginning Balance</b>	<b>\$ 1,139,087.00</b>	<b>\$ 1,214,696.65</b>	<b>\$ -</b>
	<b>Revenues (Sewer Charges)</b>	<b>\$ 524,285.65</b>	<b>\$ 547,878.50</b>	<b>572,533.04</b>
50002	Treatment Plant M&O	\$ 114,807.00	\$ 224,000.00	\$ 235,200.00
50003	Extraordinary Electrical M&O	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00
50004	Pump Station M&O	\$ 25,688.00	\$ 31,000.00	\$ 32,550.00
50005	Extraordinary M&O	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00
50006	Sewer Line M&O	\$ 10,275.00	\$ 15,000.00	\$ 15,000.00
50007	Cathodic Protection Assessment	\$ 1,600.00	\$ 1,600.00	\$ 1,750.00
50008	Utilities	\$ 45,000.00	\$ 55,000.00	\$ 57,750.00
50010	Leach Field Maint	\$ 1,000.00	\$ 3,000.00	\$ 3,000.00
50011	Extraordinary Pump Station M&O	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00
50012	Pumps & Motor Repair	\$ -		
50013	Permits	\$ 23,000.00	\$ 26,000.00	\$ 26,500.00
50014	Acct & Audit Fees	\$ 650.00	\$ 650.00	\$ 650.00
50015	Meetings/Support Csa Reps	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00
50016	Engineering	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00
50017	Sludge Disposal	\$ 12,000.00	\$ 16,000.00	\$ 17,000.00
50018	Lab Testing	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00
50019	Extraordinary Sewer Line M&O	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00
50021	Electrical M&O	\$ 25,688.00	\$ 26,000.00	\$ 26,000.00
50023	Spill Response	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00
50024	Generator Repair	\$ 500.00	\$ 500.00	\$ 500.00
50025	Trench Repair	\$ -		
50026	Pump & Motor Replacement	\$ 8,000.00	\$ 8,000.00	\$ 8,000.00
50027	Prop 218 Flyer, Mail, Postage	\$ 2,000.00	\$ 2,000.00	\$ 2,000.00
50030	Travel-Treatment Plant M&O	\$ 25,688.00	\$ 30,500.00	\$ 32,025.00
50032	Travel-Pump Station M&O	\$ 17,468.00	\$ 18,000.00	\$ 18,000.00
50034	Travel-Sewer Line M&O	\$ 6,165.00	\$ 6,165.00	\$ 6,165.00
	<b>Total</b>	<b>\$ 372,529.00</b>	<b>\$ 516,415.00</b>	<b>\$ 535,090.00</b>
50020	Generator for Pump Stations	\$0.00	\$0.00	\$0.00
50022	Capital Replacement Reserves	\$0.00	\$921,160.15	\$906,348.19
50040	Eq Tank Replacement	\$0.00	\$250,000.00	\$0.00
50041	Treatment Plant Upgrades	\$15,000.00	\$0.00	\$0.00
50042	EQ Tank Mixer Installation	\$0.00	\$75,000.00	\$0.00
50043	Office Improvements	\$0.00	\$0.00	\$10,000.00
50044	Blower Line Replacement	\$0.00	\$0.00	\$0.00
50045	Pump Station Upgrades	\$18,892.00	\$0.00	\$0.00
50051	Pump Station #1 Rehab	\$0.00	\$0.00	\$0.00
50052	Structure Upgrades	\$42,255.00	\$0.00	\$42,255.00
	<b>Total</b>	<b>\$76,147.00</b>	<b>\$1,246,160.15</b>	<b>\$958,603.19</b>
	<b>Ending Balance</b>	<b>\$ 1,214,696.65</b>		

**Appendix F**  
**Resolution**



B

1/12/95

STATEMENT OF FUNCTIONS AND SERVICESDISTRICT: CSA 7 Boulder Creek Golf & Country Club

On January 4, 1995, this district was providing the following functions and services:

<u>FUNCTION</u>	<u>SERVICES</u>	<u>STATE CODE SECTIONS</u>
<input type="checkbox"/> Cemeteries	<input type="checkbox"/> Cemeteries	
<input type="checkbox"/> Fire and All Emergency Medical Services	<input type="checkbox"/> Fire protection <input type="checkbox"/> First response, basic life support <input type="checkbox"/> First response, paramedic <input type="checkbox"/> Patient transport <input type="checkbox"/> Hazardous materials (including administration and response) <input type="checkbox"/> Rescue services <input type="checkbox"/> Disaster planning and response <input type="checkbox"/> Weed abatement	
<input type="checkbox"/> Flood Control	<input type="checkbox"/> Flood control	
<input type="checkbox"/> Harbor	<input type="checkbox"/> Harbor facilities and services <input type="checkbox"/> Public access <input type="checkbox"/> Safety <input type="checkbox"/> Visitor services	
<input type="checkbox"/> Parks and Recreation	<input type="checkbox"/> Park acquisition <input type="checkbox"/> Development <input type="checkbox"/> Operation and maintenance <input type="checkbox"/> Recreational and educational activities	
<input type="checkbox"/> Pest and Vector Control	<input type="checkbox"/> Pest and vector control	
<input type="checkbox"/> Police	<input type="checkbox"/> Police <input type="checkbox"/> Security patrols	
<input type="checkbox"/> Public Transportation	<input type="checkbox"/> Land transportation	
<input type="checkbox"/> Roads, Streets and Highways	<input type="checkbox"/> Road improvement <input type="checkbox"/> Road maintenance <input type="checkbox"/> Road landscaping <input type="checkbox"/> School crossing guards	

Statement of Functions and Services (continued)

<u>FUNCTION</u>	<u>SERVICES</u>	<u>STATE CODE SECTIONS</u>
<input checked="" type="checkbox"/> Sewer	<input checked="" type="checkbox"/> Sewage collection <input checked="" type="checkbox"/> Sewage transportation <input checked="" type="checkbox"/> Sewage treatment <input checked="" type="checkbox"/> Sewage reclamation <input checked="" type="checkbox"/> Sewage disposal <input type="checkbox"/> Septic tank maintenance	Government Code Section 25210
<input type="checkbox"/> Soil Conservation	<input type="checkbox"/> Soil conservation	
<input type="checkbox"/> Solid Wastes	<input type="checkbox"/> Waste collection <input type="checkbox"/> Waste disposal <input type="checkbox"/> Recycling <input type="checkbox"/> Litter control <input type="checkbox"/> Graffiti control	
<input type="checkbox"/> Street Lighting	<input type="checkbox"/> Street lighting	
<input type="checkbox"/> Water	<input type="checkbox"/> Water supply <input type="checkbox"/> Water treatment <input type="checkbox"/> Water distribution	
<input type="checkbox"/> Water Management	<input type="checkbox"/> Groundwater management <input type="checkbox"/> Surface Water management <input type="checkbox"/> Conservation and education	

Additional Information

- ☒ Additional information is attached to explain the categories checked above.
- ☐ No additional information is attached.

Certification

Signature: Susann Rogberg  
Printed or typed name: Susann Rogberg  
Title: CSA Administrator  
District: Co Service Areas  
Date: Jan 12, 1996

Please return the completed form to the LAFCD office. An envelope is provided.

BEFORE THE BOARD OF SUPERVISORS  
OF THE COUNTY OF SANTA CRUZ, STATE OF CALIFORNIA

RESOLUTION NO. 345-68

On the motion of Supervisor Locatelli  
duly seconded by Supervisor Mello  
the following resolution is adopted:

RESOLUTION ESTABLISHING BOULDER CREEK COUNTY  
SERVICE AREA NO. 7

WHEREAS, this Board by its Resolution No. 283-68,  
adopted April 30, 1968, declared its intention to establish  
a county service area in a certain area of the unincorporated  
territory of Santa Cruz County, and for that purpose fixed a  
time and place for public hearing on said resolution, and

WHEREAS, at the time and place fixed, no protests  
were received and the property owners affected urged the  
formation of said service area.

NOW, THEREFORE, BE IT RESOLVED AND ORDERED by the  
Board of Supervisors of Santa Cruz County, California, that  
said Board of Supervisors does hereby so declare and determine  
that Boulder Creek County Service Area No. 7 be and it hereby  
is established.

BE IT FURTHER RESOLVED AND ORDERED that the boundaries  
of Boulder Creek County Service Area No. 7 shall be as set  
forth in Exhibit "A", attached hereto and by this reference  
made a part hereof.

BE IT FURTHER RESOLVED AND ORDERED that the types  
of services to be performed in Boulder Creek County Service  
Area No. 7 shall include any one or more of the following:

Miscellaneous extended services, to-wit:  
Sewer service, including the acquisition,  
construction, operation, replacement,  
maintenance, and repair of sewage collection,  
transportation and disposal systems including land,  
easements and rights of way.

BE IT FURTHER REVOLVED AND ORDERED that the County  
Clerk shall comply with the provisions of Government Code  
§§54900 et seq.

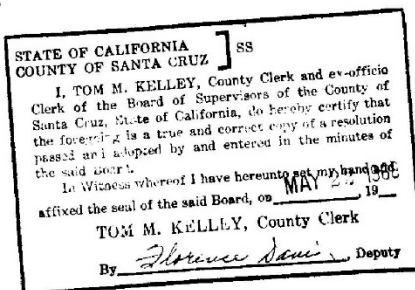
PASSED AND ADOPTED by the Board of Supervisors  
of the County of Santa Cruz, State of California, this 21st  
day of May, 1968, by the following vote:

AYES: SUPERVISORS Burdon, Black, Locatelli, Mello and McCallie  
NOES: SUPERVISORS None  
ABSENT: SUPERVISORS None

RUSSELL McCALLIE  
Chairman of said Board

ATTEST: TOM M. KELLEY  
Clerk of said Board

DISTRIBUTION: Assessor  
Auditor  
Surveyor  
Public Works



Approved as to form

JERRY W. BARTHOLOMEW  
Assistant County Counsel

BEFORE THE BOARD OF SUPERVISORS  
OF THE COUNTY OF SANTA CRUZ, STATE OF CALIFORNIA

RESOLUTION NO. 283-68

On the motion of Supervisor *Black*  
duly seconded by Supervisor *Mello*  
the following resolution is adopted:

RESOLUTION OF INTENTION TO ESTABLISH  
BOULDER CREEK COUNTY SERVICE AREA NO. 7

BE IT RESOLVED AND ORDERED by the Board of Supervisors of the County of Santa Cruz:

1. That a County Service Area is proposed to be established under the terms of Chapter 2.2 of Title 3 of the Government Code (Section 25210.1 et seq.) in the unincorporated area of Santa Cruz County, the exterior boundaries of the territory proposed for inclusion in the area are more particularly described in Exhibit "A", attached hereto and by reference incorporated herein.

2. That the name proposed for the area is  
"BOULDER CREEK COUNTY SERVICE AREA NO. 7".

3. The type of extended county service proposed to be provided within the area pursuant to Chapter 2.2 of Title 3 of the Government Code is:

Miscellaneous extended services, to-wit:

Sewer service including the acquisition, construction, operation, replacement, maintenance, and repair of sewage collection, transportation and disposal systems including land, easements and rights of way.

4. This Board determines that such services should be provided on an extended basis within said proposed county service area.

5. Except where funds are otherwise available, a tax sufficient to pay for all such services furnished on an extended basis will be annually levied upon all taxable property within said area.

6. That Tuesday, the 21 day of May, 1968, at the hour of 11:30 A.M., in the Board of Supervisors Meeting Room, Governmental Center, Santa Cruz, California, is hereby fixed as the time and place for a public hearing on the establishment of the area.

BE IT FURTHER RESOLVED AND ORDERED that the clerk shall publish a notice of the hearing one time in the Santa Cruz Sentinel, a newspaper of general circulation published in the county, and that publication shall be complete at least seven (7) days prior to the date of the hearing.

PASSED AND ADOPTED by the Board of Supervisors of the County of Santa Cruz, State of California, this 20th day of April, 1968, by the following vote:

AYES: SUPERVISORS Black, Mills, McCallie

NOES: SUPERVISORS None

ABSENT: SUPERVISORS Quinton + Locatelli  
(S) Russ McCallie  
Chairman of said Board

ATTEST: (S) Tom Kelley  
Clerk of said Board

DISTRIBUTION: Auditor

Approved as to form

JERRY W. EARTHLOW  
Assistant County Counsel

STATE OF CALIFORNIA COUNTY OF SANTA CRUZ	SS
I, TOM M. KELLEY, County Clerk and ex-officio Clerk of the Board of Supervisors of the County of Santa Cruz, do hereby certify that the foregoing resolution was duly passed and adopted by the Board of Supervisors of the County of Santa Cruz, California, on the day of <u>April</u> , 1968, at the hour of <u>11:30</u> A.M., in the Board of Supervisors Meeting Room, Governmental Center, Santa Cruz, California.	
In testimony whereof I have hereunto set my hand and affixed the seal of the said Board, on <u>MAY 10 1968</u>	
TOM M. KELLEY, County Clerk	
By <u>Therence Davis</u>	Deputy

BEN B. WHITE &amp; ASSOCIATES, INC.

CAPITOLA - SAN JOSE - SCOTTS VALLEY

CONSULTING ENGINEERS - SURVEYORS - MUNICIPAL CONSULTANTS

File No. S454

BEN B. WHITE, REGISTERED CIVIL ENGINEER

Page 1 of 2

MARK R. RESCHER, REGISTERED CIVIL ENGINEER

BOULDER CREEK GOLF AND COUNTRY CLUB  
COUNTY SERVICE DISTRICT

## PARCEL 1

Beginning at the section corner common to Sections 10, 11, 14, and 15, T.9S., R.3W., M.D.B.&M., thence South 87° 21' East along the section line between said Sections 11 and 14 to a point on the Easterly Right of Way line of Big Basin Highway (State Highway 44-A); thence Southerly along said Easterly Right of Way line to its intersection with the Northerly Right of Way fence of road leading to Robin Hood Retreat; thence Easterly along said Northerly Right of Way fence line to a point from which a 1/2-inch iron pipe tagged R.C.E. 13247 at the Northeasterly boundary of golf course boundary bears South 11° 28' 39" East; thence South 11° 28' 39" East to said Northeasterly corner; thence South 79° 45' 09" West, 324.69 feet; thence South 6° 00' 32" West, 191.05 feet; thence South 59° 44' 37" West, 138.92 feet; thence South 25° 38' 28" West, 138.65 feet; thence South 23° 27' 33" East, 577.75 feet; thence South 31° 47' 14" East, 417.64 feet; thence along the arc of a curve to the left having a radius of 175.00 feet and a central angle of 28° 03' 36" a distance of 85.70 feet; thence South 46° 46' 15" West to a point on the Westerly Right of Way line of said Big Basin Highway; thence Southerly 210 + feet along said Westerly Right of Way line to a 1/2-inch iron pipe tagged R.C.E. 13247 at the Southeasterly corner of proposed Country Club Villas, Unit No. 1; thence continuing along the Southerly line of said proposed Country Club Villas South 15° 45' 04" West, 53.40 feet; thence South 48° 14' 50" West, 45.50 feet; thence South 50° 21' 54" West, 89.99 feet to the center line of Boulder Creek; thence Northwesterly along said center line of Boulder Creek to the Southeasterly corner of that certain 3-acre parcel of land described in Grant Deed recorded March 18, 1965, in Volume 1682 at Page 37, Official Records, Santa Cruz County, California; thence West along Southerly boundary of said 3-acre parcel to the Southwesterly corner thereof; thence generally Northerly along the Westerly boundary of said 3-acre parcel to the Southeasterly corner of Lot 1 of Tract No. 303, Boulder Creek Country Club Estates, as recorded in Volume 38 of Maps at Page 56, Santa Cruz County Records; thence North 31° 08' 50" East, 103.60 feet to a point on the Southerly line of Lot 11 of said Tract No. 303; thence along the Southerly and Westerly line of said Lot 11 to the end of a 20-foot radius return at the intersection of Hare Way with Double Bogey Drive as shown on Map of said Tract 303; thence North 15° 05' 55" East, 50.00 feet to a point on the Northerly Right of Way line of said Double Bogey Drive; thence generally Northerly and Westerly along the eastern and northern boundary of Golf Course parcel as described in deed recorded in Volume 1339 at Page 583, Official Records, Santa Cruz County, California, being identical to boundary as shown on map of Boulder Creek Country Club Estates, Unit No. 1, as recorded in Volume 36 at Page 30, Santa Cruz County Records to the Southwesterly corner of Lot 77 of said Unit No. 1, Boulder Creek Country Club Estates; thence South 83° 10' 20" West, 174.43 feet; thence South 28° 46' 40" West, 54.45 feet; thence South 71° 07' 10" West, 69.73 feet; thence



**BEN B. WHITE & ASSOCIATES, INC.**

CAPITOLA - SAN JOSE - SCOTTS VALLEY

CONSULTING ENGINEERS - SURVEYORS - MUNICIPAL CONSULTANTS

File No. 8454

BEN B. WHITE, REGISTERED CIVIL ENGINEER  
MARK R. KENYAR, REGISTERED CIVIL ENGINEER

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**PARCEL 1**

South 81° 11' 50" West, 148.70 feet; thence South 38° 06' 10" West, 92.57 feet to the center line of Longley Creek; thence North 40° 12' 50" West, 214.75 feet along said center line of Longley Creek; thence leaving Longley Creek North 54° 07' 50" East, 269.43 feet; thence North 16° 46' 50" West, 190.90 feet; thence North 4° 37' West, 240.23 feet; thence South 38° 58' 12" West, 183.93 feet; thence South 51° 37' 15" West, 67.06 feet; thence North 67° 03' 15" West, 125.47 feet; thence North 2° 45' 25" West, 95.43 feet; thence North 25° 27' 05" East, 52.73 feet; thence North 13° 21' 25" East, 67.73 feet; thence North 31° 25' 15" East, 94.18 feet; thence North 62° 45' 21" West, 241.99 feet; thence South 85° 14' 43" West, 175.08 feet to a point on the section line common to Sections 14 and 15, T.9S., R.3W., M.D.B.&M; thence along said section line North 0° 27' 54" West, 311.19 feet to the point of beginning.

Together with and subject to all rights of way and easements of record.

Compiled 3/4/68 by  
Ben B. White & Associates, Inc.

*Thomas A. Mason*  
\_\_\_\_\_  
THOMAS A. MASON R.C.E. 16652

MAIN OFFICE  
471 7860  
421 CAPITOLA AVENUE  
CAPITOLA, CALIFORNIA 95010

BRANCH OFFICE  
423 7731  
4855-D SCOTTS VALLEY DRIVE  
SCOTTS VALLEY, CALIFORNIA 95060

RESIDENT OFFICE  
243 9509  
1129 ANDREA DRIVE  
SAN JOSE, CALIFORNIA 95117

*Delvecchi - Review  
& file*

RES

BEFORE THE BOARD OF SUPERVISORS  
OF THE COUNTY OF SANTA CRUZ, STATE OF CALIFORNIA

RESOLUTION NO. 178-68

On the motion of Supervisor Locatelli  
duly seconded by Supervisor Mello  
the following resolution is adopted:

RESOLUTION AUTHORIZING EXECUTION OF  
AGREEMENT FOR COMMUNITY SEWAGE TREATMENT  
BOULDER CREEK COUNTRY CLUB PROPERTIES

WHEREAS, the Boulder Creek Golf and Country Club  
proposes to develop residential units to be known as Country  
Club Villas, and

WHEREAS, the County requires a sewage treatment  
plant as a necessary part of said development.

NOW, THEREFORE, BE IT RESOLVED AND ORDERED that  
the Chairman of this Board be and he is hereby authorized  
and directed to execute, on behalf of the County of Santa  
Cruz, an agreement between the County of Santa Cruz and  
Boulder Creek Golf and Country Club and Big Basin Sanitation  
Company whereby the facilities of the Big Basin Sanitation  
Company would be used to provide sewage facilities to the  
new development of Boulder Creek Golf and Country Club.

PASSED AND ADOPTED by the Board of Supervisors of  
the County of Santa Cruz, State of California, this 26th  
day of March, 1968, by the following vote:

AYES: SUPERVISORS Mello, Locatelli, Mello and McCallie

NOES: SUPERVISORS None

ABSENT: SUPERVISORS Burns

BOB McCALLIE  
Chairman of said Board

ATTEST: TOM E. BARTLOW  
Clerk of said Board

DISTRIBUTION: Auditor  
Public Works  
Environmental Health

Approved as to form

JERRY W. BARTHOLOW  
Assistant County Counsel