


TO: BOARD OF DIRECTORS
FROM: BRUCE BUEL 
DATE: FEBRUARY 20, 2009



CONSENT AGENDA

The following items are considered routine and non-controversial by staff and may be approved by one motion if no member of the Board wishes an item be removed. If discussion is desired, the item will be removed from the Consent Agenda and will be considered separately.

**Questions or clarification may be made by the Board members
without removal from the Consent Agenda.**

- D-1) APPROVE WARRANTS [RECOMMEND APPROVAL]
- D-2) APPROVE BOARD MEETING MINUTES [RECOMMEND APPROVAL]
Approve Minutes of 2/11/08 Regular Meeting
- D-3) AUTHORIZE RETENTION OF WATER AUDIT FIRM [RECOMMEND APPROVAL]
- D-4) AUTHORIZE PURCHASE OF WATER CONSERVATION TRACKING SOFTWARE
[RECOMMEND APPROVAL]
- D-5) APPROVE VILLAGE AT NIPOMO REIMBURSEMENT PAYMENT [RECOMMEND
APPROVAL]
- D-6) AUTHORIZE LETTER OF SUPPORT FOR FEDERAL FUNDING OF SANTA MARIA
BRIDGE RE-CONSTRUCTION [RECOMMEND APPROVAL]
- D-7) ADOPT RESOLUTION CONFIRMING INVESTMENT POLICY [ADOPT RESOLUTION]
- D-8) ADOPT REIMBURSEMENT RESOLUTION FOR SOUTHLAND WWTF UPGRADE
PROJECT [RECOMMEND APPROVAL]

T:\BOARD MATTERS\BOARD MEETINGS\BOARD LETTER\2009\CONSENT AGENDA\CONSENT 02-25-09.DOC

TO: BOARD OF DIRECTORS
 FROM: BRUCE BUEL
 DATE: FEBRUARY 20, 2009

**AGENDA ITEM
 D-1
 FEBRUARY 25, 2009**

**TOTAL COMPUTER
 CHECKS
 \$ 160,225.32**

HAND WRITTEN CHECKS

02-11-09	19871	SECRETARY OF STATE	40.00
02-11-09	19872	SECRETARY OF STATE	40.00
02-19-09	19873	CA NV AWWA	75.00
02-25-09	19874	GREG NESTER CONST	1,314.60

VOID - NONE

COMPUTER GENERATED CHECKS

Check Number	Check Date	Vendor Number	Name	Gross Amount	Discount Amount	Net Amount	Invoice #	Payment Information Description
16135	02/20/09	EMP01	EMPLOYMENT DEVELOP DEPT	917.00	.00	917.00	A90218	STATE INCOME TAX
16136	02/20/09	MID01	MIDSTATE BANK-PR TAX DEP	3271.43	.00	3271.43	A90218	FEDERAL INCOME TAX
				814.54	.00	814.54	1A90218	MEDICARE (FICA)
			Check Total.....:	4085.97	.00	4085.97		
16137	02/20/09	MID02	MIDSTATE BANK - DIRECT DP	24530.10	.00	24530.10	A90218	NET PAY
16138	02/20/09	PER01	PERS RETIREMENT	7594.99	.00	7594.99	A90218	PERS PAYROLL REMITTANCE
16139	02/20/09	STA01	STATE STREET GLOBAL	780.00	.00	780.00	A90218	457 DEFERRED COMP
016140	02/25/09	ABA01	ABALONE COAST BACTERIOLOG	20.00	.00	20.00	09-246	BL SEWER LAB
				20.00	.00	20.00	09-259	BL SEWR LAB
				150.00	.00	150.00	09-260	WATER SAMPLES
				176.00	.00	176.00	09-268	TOWN WWTF LAB
				20.00	.00	20.00	09-269	BL SEWER LAB
				20.00	.00	20.00	09-275	BL SEWER LAB
				20.00	.00	20.00	09-283	BL WWTF LAB
				20.00	.00	20.00	09-297	BL WWTF LAB
				150.00	.00	150.00	09-306	WATER SAMPLES
				20.00	.00	20.00	09-307	BL WWTF LAB
				176.00	.00	176.00	09-319	TOWN WWTF LAB
				14.40	.00	14.40	09-320	WATER SAMPLES
				20.00	.00	20.00	09-329	BL WWTF LAB
				20.00	.00	20.00	09-336	BL WWTF LAB
			Check Total.....:	846.40	.00	846.40		
016141	02/25/09	AME03	AMERI PRIDE	210.00	.00	210.00	F696862	UNIFORMS ETC
				113.17	.00	113.17	F702412	UNIFORMS ETC
			Check Total.....:	323.17	.00	323.17		
016142	02/25/09	ATT01	AT&T/MCI	185.41	.00	185.41	447274	PHONE
016143	02/25/09	BOB01	BOB'S RUBBER STAMPS	86.20	.00	86.20	32724	DESK SIGNS
016144	02/25/09	BOG01	BOGNUDA, LISA	10.00	.00	10.00	021709	PER DIEM-NOTARY CLASS
016145	02/25/09	BRE02	BRENNTAG PACIFIC INC.	590.92	.00	590.92	BPI871981	CHLORINE
016146	02/25/09	BRE03	BREWER, REED	14.23	.00	14.23	020609	REIMBURSE FOR SUPPLIES
016147	02/25/09	CAL03	CALIFORNIA ELECTRIC SUPPL	142.73	.00	142.73	765038	SUPPLIES
016148	02/25/09	CAL09	CALIF CONSERVATION CORPS	7700.00	.00	7700.00	R30006	HETRICK CLEAN-UP
016149	02/25/09	CAN02	CANNON ASSOCIATES	270.00	.00	270.00	45605	MARIA VISTA TRANSDUCER
				5317.50	.00	5317.50	45606	MARIA VISTA
				7397.50	.00	7397.50	45607	EUREKA WELLS
				130.00	.00	130.00	45608	QUADS, JUNIPER, PALMS
				180.00	.00	180.00	45609	TEFFT LIFT STN
				3320.00	.00	3320.00	45610	RAIN GAUGE INTEGRATION
				167.50	.00	167.50	45611	IPAC SERVICE
				1132.50	.00	1132.50	45612	SUNDALE WELL ELEC
				10115.79	.00	10115.79	45647-B	WILLOW RD WATERLINE EXT
			Check Total.....:	28030.79	.00	28030.79		

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**NIPOMO COMMUNITY SERVICES DISTRICT
WARRANTS FEBRUARY 20, 2009**

**AGENDA ITEM
D-1
FEBRUARY 25, 2009
PAGE TWO**

Check Number	Check Date	Vendor Number	Name	Gross Amount	Discount Amount	Net Amount	-----Payment Information----- Invoice #	Description
016150	02/25/09	CLA02	CLAY'S SEPTIC & JETTING	3169.00	.00	3169.00	38081+	LFT STNS
016151	02/25/09	CLE06	CLEVER DUCKS	291.00	.00	291.00	7299	COMPUTER
016152	02/25/09	DEL03	DENNIS DELZEIT	5625.00	.00	5625.00	JAN 09	PREVENTIVE MAINT PROG
016153	02/25/09	EBY01	EBY, ED	100.00	.00	100.00	022509	REG BD MEETING 022509
016154	02/25/09	FGL01	FGL ENVIRONMENTAL	-25.00	.00	-25.00	812162BC	CREDIT FOR PICKUP CHARGE
				-25.00	.00	-25.00	812163BC	CREDIT FOR PICKUP CHARGE
				-25.00	.00	-25.00	812541BC	CREDIT FOR PICKUP CHARGE
				-25.00	.00	-25.00	814142BC	CREDIT FOR PICKUP CHARGE
				-25.00	.00	-25.00	900168BC	CREDIT FOR PICKUP CHARGE
				212.00	.00	212.00	900420A	LAB TEST NIPOMO WWTP
016154	02/25/09	FGL01	FGL ENVIRONMENTAL	190.00	.00	190.00	900421A	LAB TEST-BL WWTP
				474.00	.00	474.00	900422A	TOWN WWTF LAB
				49.00	.00	49.00	900646A	LAB TEST-BEVINGTON WELL
				187.00	.00	187.00	900647A	LAB TEST-NIPOMO WWTP
				56.00	.00	56.00	900648A	LAB TEST-BLWWTP
				147.00	.00	147.00	900652A	TOWN WWTF LAB
				212.00	.00	212.00	900868A	LAB TEST-NIPOMO WWTP
				56.00	.00	56.00	900869A	LAB TEST-BLWWTP
			Check Total.....:	1458.00	.00	1458.00		
016155	02/25/09	FIS01	FISHER PUMP SERVICE	520.00	.00	520.00	928	EUREKA WELL
016156	02/25/09	FUG01	FUGRO WEST, INC.	2025.00	.00	2025.00	3596.004	SOUTHLAND DISCHARGE STUDY
				1570.00	.00	1570.00	3596.005	SOUTHLAND DISCHARGE STUDY
			Check Total.....:	3595.00	.00	3595.00		
016157	02/25/09	GAS02	GAS COMPANY, THE	72.49	.00	72.49	020309	GAS ENGINE 08619205712
016158	02/25/09	GRO01	GROENIGER & CO	196.13	.00	196.13	11006858	SUPPLIES
016159	02/25/09	HAM02	HAMNER JEWELL & ASSOCIATE	205.00	.00	205.00	4348	TANK SITE LEGAL
				400.00	.00	400.00	4349	WATERLINE INTERTIE
			Check Total.....:	605.00	.00	605.00		
016160	02/25/09	HAR02	HARRISON, JAMES	100.00	.00	100.00	022509	REG BD MEETING 022509
016161	02/25/09	HAY01	HAYES ADVANCED DESIGN	3861.00	.00	3861.00	501852	PATCHING SILVER DOLLAR
016162	02/25/09	HEA01	HEACOCK TRAILERS & TRUCK	3012.36	.00	3012.36	29061	09 TRUCK TOOLBOXES ETC
				5888.94	.00	5888.94	29102	WORK LIGHTS FOR 07 & 08 T
			Check Total.....:	8901.30	.00	8901.30		
016163	02/25/09	JOH01	JOHNSON, DONNA	10.00	.00	10.00	021709	PER DIEM-NOTARY CLASS
				25.28	.00	25.28	022009	REIMB OFFICE SUPPLIES
			Check Total.....:	35.28	.00	35.28		
016164	02/25/09	KEE01	KEEP AMERICA BEAUTIFUL, I	195.64	.00	195.64	22515	RECYCLING PROMOTIONS
016165	02/25/09	LIN02	LINC DELIVERY	209.00	.00	209.00	46239+	DELIVERY TO LAB
016166	02/25/09	MOR02	MORE OFFICE SOLUTIONS	483.49	.00	483.49	1070987	COPIER MAINT
016167	02/25/09	MOT01	MOTLEY, RICK	20.04	.00	20.04	021309	REIMBURSE FOR FUEL
				154.08	.00	154.08	021909	TRAVEL DIST III CLASS
			Check Total.....:	174.12	.00	174.12		
016168	02/25/09	NIA01	NIAGRA CONSERVATION	804.93	.00	804.93	115118	SUPPLIES FOR WORKSHOPS
016169	02/25/09	NIP09	NIPOMO MARKET PLACE	7.06	.00	7.06	963279	OIL
016170	02/25/09	NUT01	NU TECH PEST MGMT	265.00	.00	265.00	71645	PEST CONTROL
				49.00	.00	49.00	71646	PEST CONTROL
			Check Total.....:	314.00	.00	314.00		
016171	02/25/09	OFF01	OFFICE DEPOT	113.09	.00	113.09	463178595	SUPPLIES

**NIPOMO COMMUNITY SERVICES DISTRICT
WARRANTS FEBRUARY 20, 2009**

**AGENDA ITEM
D-1
FEBRUARY 25, 2009
PAGE THREE**

Check Number	Check Date	Vendor Number	Name	Gross Amount	Discount Amount	Net Amount	-----Payment Information----- Invoice #	Description
016172	02/25/09	ONE01	1-800-CONFERENCE	188.26	.00	188.26	622160	CONFERENCE CALL
016173	02/25/09	SAI01	SAIC	10951.89	.00	10951.89	593514	NMMA TECHNICAL GROUP
				21837.47	.00	21837.47	663001	CONSULTATION
				1047.93	.00	1047.93	910029	GENERAL CONSULTATION
			Check Total.....:	33837.29	.00	33837.29		
016174	02/25/09	SAN04	SANTA MARIA TIMES	482.04	.00	482.04	550138	PUBLISH ORD 2008-111
				658.52	.00	658.52	550141	PUBLISH ORD 2009-111
				2206.02	.00	2206.02	1043337	ADVERTISEMENTS
			Check Total.....:	3346.58	.00	3346.58		
016175	02/25/09	SAN09	SAN LUIS MAILING SERVICE	49.79	.00	49.79	33917A	MAILING SECOND NOTICES
				207.48	.00	207.48	33917B	POSTAGE FOR SECOND NOTICE
				103.47	.00	103.47	33929A	MAILING BILLS
				613.06	.00	613.06	33929B	POSTAGE FOR BILLS
			Check Total.....:	973.80	.00	973.80		
016176	02/25/09	SEV01	SEVCIK, PETER	559.93	.00	559.93	021909	TRAVEL CWEA SSMP TRAINING
				43.98	.00	43.98	022009	ASCE LUNCH MEETING
			Check Total.....:	603.91	.00	603.91		
016177	02/25/09	TGP01	TGP WEST, INC.	340.86	.00	340.86	6336	SUNDALE WELL
016178	02/25/09	TIT01	TITAN INDUSTRIAL & SAFETY	573.79	.00	573.79	1032510	SAFETY EQUIPMENT
				1040.33	.00	1040.33	1032515	SAFETY STN - WWTF
				135.46	.00	135.46	1032570	SAFETY SUPPLIES
				146.93	.00	146.93	1032665	SAFETY EQUIPMENT
			Check Total.....:	1896.51	.00	1896.51		
016179	02/25/09	TRO01	TROTTER, CLIFFORD	100.00	.00	100.00	022509	REG BD MEETING 022509
016180	02/25/09	USA01	USA BLUEBOOK	169.79	.00	169.79	754748	SUPPLIES
016181	02/25/09	VAN01	VAN SCOYOC ASSOCIATES	4500.00	.00	4500.00	30145	LOBBYING SERVICES JAN
				4500.00	.00	4500.00	30146	LOBBYING SERVICES FEB
			Check Total.....:	9000.00	.00	9000.00		
016182	02/25/09	VIE01	VIERHEILIG, LARRY	100.00	.00	100.00	022509	REG BD MEETING 022509
016183	02/25/09	WAL01	WALLACE GROUP	932.20	.00	932.20	27155	SEWER SYSTEM MGMT PLAN
				1918.56	.00	1918.56	27242	INTERTIE ASSESSMENT
			Check Total.....:	2850.76	.00	2850.76		
016184	02/25/09	WIN01	WINN, MICHAEL	100.00	.00	100.00	022509	REG BD MEETING 022509
016185	02/25/09	\M008	MATTHEWS, PARKER J	49.12	.00	49.12	000A90201	MQ CUSTOMER REFUND FOR MA

NIPOMO COMMUNITY SERVICES DISTRICT

D2

Celebrating 44 - Years of Service 1965 - 2009

DRAFT MINUTES

FEBRUARY 11, 2009 AT 9AM

BOARD ROOM 148 SOUTH WILSON STREET, NIPOMO, CA

BOARD of DIRECTORS

JAMES HARRISON, **PRESIDENT**
LARRY VIERHEILIG, **VICE PRESIDENT**
CLIFFORD TROTTER, **DIRECTOR**
MICHAEL WINN, **DIRECTOR**
ED EBY, **DIRECTOR**

PRINCIPAL STAFF

BRUCE BUEL, **GENERAL MANAGER**
LISA BOGNUA, **ASST. GENERAL MANAGER**
DONNA JOHNSON, **BOARD SECRETARY**
JON SEITZ, **GENERAL COUNSEL**
PETER SEVCIK, **DISTRICT ENGINEER**

Mission Statement: The Nipomo Community Services District's mission is to provide the community with reliable, quality and cost-effective services.

Vision Statement: The Nipomo Community Services District's vision is to manage the resources and future growth of the community.

00:00:00

A. CALL TO ORDER AND FLAG SALUTE

President Harrison called the February 11, 2009 Regular Board of Directors meeting to order at 9:00 a.m. and led the flag salute.

B. ROLL CALL

At Roll Call, all directors were present.

00:00:58

C. PRESENTATIONS AND PUBLIC COMMENT

C-1) COMMANDER BRIAN HASCALL OF SLO COUNTY SHERIFF'S OFFICE

Commander Brian Hascall gave an update of the Sheriff's activities on the Nipomo Mesa. A huge cockfighting ring was raided on January 29th. 1300 birds were confiscated and five people were arrested.

There is an increase in fraud crimes. A recent scam is an email stating WalMart will give a gift card if the party provides information. Another is a scam of someone saying they are calling from the jail asking for money for bail when the relative mentioned isn't in jail. The jail does not call; the inmate is allowed a phone call.

Another scam is a letter being sent to people to help file a form for property tax reassessment to reduce property taxes. People can file that form themselves.

He suggested using a cross-cut shredder to destroy any unwanted information with your name and address on it rather than putting personal information in the recycling container.

The Board thanked Commander Hascall for his presentation.

C-2) BATTALION CHIEF BILL FISHER OF CAL FIRE

Battalion Chief Bill Fisher of Cal Fire gave an update of the Cal Fire activities on the Nipomo Mesa.

He stated that the offices will be closed the first and third Fridays of each month. The fire stations will not be closed.

The chipping program is scheduled for February 26th & 27th for the Suey Creek area.

For January 2009, Nipomo Station 20 had a total of 99 calls: 5 fires, 10 vehicle accidents, 50 medical aids and 34 other calls.

Mesa Station 22 had a total of 60 calls: 8 fires, 6 vehicle accidents, 24 medical aids and 22 other calls.

The Board thanked Chief Fisher for his presentation.

MINUTES SUBJECT TO BOARD APPROVAL

**Nipomo Community Services District
REGULAR MEETING
DRAFT MINUTES**

- C-3) DISTRICT ENGINEER PETER SEVCIK
Update re: District Engineer Activities

Peter Sevcik, District Engineer, reviewed the information presented in the Board letter outline of District Engineer activities for January 2009.

Mr. Sevcik answered questions from the Board concerning emergency response, status of the Blacklake sewer line, the Misty Glen intertie, the Willow Road extension, the SEMS training, well testing and other projects.

- C-4) DIRECTORS' ANNOUNCEMENTS OF DISTRICT & COMMUNITY INTEREST
Receive Announcements from Directors - Items of District & Community Interest

Director Trotter

Bill Petrick will be the director-at-large for the Blacklake Management Association.

Director Vierheilig

Saturday, February 21st Nipomo Recreation Group will hold a workshop at the Nipomo High School at 1:00 p.m.

Director Winn

Friday, Feb. 6th was an Energy Summit meeting in San Luis Obispo concerning photo solar energy.

Monday, Feb. 9th SCAC opened the nomination for candidates.

Tuesday, Feb 10th at the Board of Supervisors meeting; the RMS report left the Level of Severity III unchanged; John Snyder presented a large document of mis-information.

Land Use Committee will meet Monday, Feb 16th

Feb 20th- CSDA meeting 6:00 p.m. at SLO Library. Mr. Harrison will be voting for NCSD.

Feb 21st - 1:00-4:00 p.m. - information meeting in Olympic Hall at Nipomo High School concerning the recreation needs. Some proposals may have high water demands.

Feb. 23rd South County Advisory Commission at 6:30 p.m.

March 4th Water Resource Advisory Committee meeting in San Luis Obispo at 1:30 p.m.

Director Harrison

Feb. 19th - Public meeting 6:00 pm at the High School concerning the Willow Rd extension.

- C-5) PUBLIC COMMENT ON ITEMS NOT ON AGENDA

There was no public comment.

00:48:25

D. CONSENT AGENDA

D-1) APPROVE WARRANTS

D-2) APPROVE BOARD MEETING MINUTES

Approve Minutes of 1/28/09 Regular Meeting

D-3) RECEIVE BLACKLAKE AREA OVERSIGHT COMMITTEE BYLAWS

D-4) CONFIRM FY09-10 BUDGET DEVELOPMENT PROCESS

D-5) AUTHORIZE LETTER OF SUPPORT FOR CONSERVATION CORPS

Director Eby asked to pull Item D-e for separate consideration.

Bruce Buel, General Manager, announced a suggested change from President Harrison for Item E-3 of the January 28th Minutes. A copy of the proposed change was provided to the Board and the public.

Nipomo Community Services District
REGULAR MEETING
DRAFT MINUTES

D. CONSENT AGENDA (CONTINUED)

Upon motion by Director Vierheilg and seconded by Director Winn, the Board unanimously approved Items D-1, 2, 4, and 5 of the Consent Agenda, as amended.

YES VOTES	NO VOTES	ABSENT
Directors Vierheilg, Winn, Eby, Trotter, and Harrison	None	None

D-3 RECEIVE BLACKLAKE AREA OVERSIGHT COMMITTEE BYLAWS

The Board discussed the proposed by-laws presented to the NCSD Board for the first time at this meeting, but were required by Resolution 96-592 adopted in 1996.

The following members of the public spoke:

Bill Petrick, NCSD resident, stated that he thinks he will be on the Blacklake Management Association Board because he is running unopposed. He did not like some of the language in the proposed by-laws.

Nancy Fleming, Blacklake Management Association Board President, stated that the Association has been working on the by-laws for over a year.

Upon motion by Director Winn and seconded by Director Eby, the Board unanimously agreed to continue this item until the March 11, 2009 meeting. Vote 5-0.

YES VOTES	NO VOTES	ABSENT
Directors Winn, Eby, Vierheilg, Trotter, and Harrison	None	None

The Board took a break at 10:34 a.m. and resumed at 10:49 a.m.

E. ADMINISTRATIVE ITEMS

01:33:49

E-1) CONSIDER SECOND READING AND ADOPTION OF ORDINANCE AND ADOPTION OF RESOLUTION IMPLEMENTING THE MERGER OF THE TOWN AND BLACKLAKE WATER SYSTEMS

Bruce Buel, General Manager read the agenda for the Special Meeting to be held concurrently with this regular meeting.

Consider adoption of Resolution implementing rate adjustment and buy-in charge within the Blacklake area to facilitate the merger of the Town and Blacklake water systems and consider second reading and adoption of Ordinance merging the Town and Blacklake water systems (Adopt Resolution and Ordinance).

Mr. Buel explained on January 28, 2009, the Board held a protest hearing. It was determined that there was not a majority protest. An ordinance and a resolution merging the two water systems and establishing uniform water rates are to be considered at today's meeting.

The Board discussed the resolution and the ordinance.

Upon motion by Director Winn and seconded by Director Eby, the Board unanimously approved Resolution 2009-1121. There was no public comment. Vote 5-0.

RESOLUTION NO. 2009-1121
A RESOLUTION OF THE BOARD OF DIRECTORS
OF THE NIPOMO COMMUNITY SERVICES DISTRICT
ADOPTING WATER RATE ADJUSTMENT AND BUY-IN CHARGE WITHIN THE
CURRENT BLACKLAKE WATER DIVISION TO FACILITATE THE MERGER
OF THE BLACKLAKE WATER DIVISION AND TOWN WATER DIVISION

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MINUTES SUBJECT TO BOARD APPROVAL

Nipomo Community Services District
REGULAR MEETING
DRAFT MINUTES

- E-1) CONSIDER SECOND READING AND ADOPTION OF ORDINANCE AND ADOPTION OF RESOLUTION IMPLEMENTING THE MERGER OF THE TOWN AND BLACKLAKE WATER SYSTEMS (CONTINUED)

Upon motion by Director Winn and seconded by Director Eby, the Board unanimously approved Ordinance 2009-111. There was no public comment. Vote 5-0.

ORDINANCE NO. 2009-111
AN ORDINANCE OF THE BOARD OF DIRECTORS
OF THE NIPOMO COMMUNITY SERVICES DISTRICT
ADDING CHAPTER 3.40 TO THE DISTRICT CODE MERGING
TOWN WATER DIVISION AND BLACKLAKE WATER DIVISION

01:44:22

- E-2) EDIT WATERLINE INTERTIE PROJECT OBJECTIVES

Bruce Buel, General Manager explained that the Waterline Intertie Project Committee, on January 26, 2009, recommended that the Board edit Objective 4 in response to the comment letter received from Paul Hood of SLO County LAFCO by adding the following sentences:

Each phase will be separately approved and funded by authorization of the NCSD Board of Directors. Phases 1 and Phase 2 will supply water only to customers in the current NCSD boundaries, and other water purveyors in the NMMA, specifically the Woodlands Water Company, Golden State Water Company, and Rural Water Company. Only in Phase 3 will water be made available to new customers in the 2004 Sphere of Influence that are annexed into the NCSD boundaries.

The Board discussed the proposed changes.

The following members of the public spoke:

Bill Petrick, NCSD resident – stated that the objective has not been reviewed by the NMMA.

Douglas Wood of Douglas Wood & Associates (preparer of the draft EIR) stated that revisions made to the objectives will be included in the Final EIR. The Board will be receiving a draft for review next week.

Director Winn stated that the Conditions of Approval included in LAFCO's 2004 "Sphere of Influence Update and Municipal Service Review" were not approved by NCSD. There was discussion about whether or not to add a footnote that the NMMA had not reviewed the information given.

Upon motion by Director Eby and seconded by Director Winn, the Board agreed to revise the objectives, as detailed in the staff report. Vote 4-1 with Director Harrison voting no. He explained that he voted no because he would like to have had the footnote added.

YES VOTES	NO VOTES	ABSENT
Directors Eby, Winn, Vierheilig, and Trotter	Director Harrison	None

01:59:41

- E-3) PREVIEW FUTURE SCADA SYSTEM CAPABILITIES AND PRIORITIZE UPGRADES

Peter Sevcik, District Engineer, reviewed the proposed changes to the Supervisory Control and Data Acquisition (SCADA) System. The SCADA system is used to remotely monitor the operation of the District's water supply wells, sanitary sewer lift stations and wastewater treatment plants. The costs for the proposed changes are estimated at \$183,000.

The Board discussed the proposal and made suggestions.

E-3) PREVIEW FUTURE SCADA SYSTEM CAPABILITIES AND PRIORITIZE UPGRADES
(CONTINUED)

The following members of the public spoke:

Gary Wilson, representative from Cannon, the firm contracted to prepare a system design, spoke with the board concerning the upgrade report submitted. He stated that the labor costs to integrate the system were the greatest costs.

Bill Petrick, NCSD resident, spoke as the president of Capri Technologies and potential bidder of the project stated that his company builds and tests data acquisition systems, computer-based. He asked if the document represented a budgetary estimate and made suggestions to some of the specifications required.

There was Board discussion and the acknowledgment that there were many questions to be asked about Homeland Security, etc.

There was no Board action on this item.

The Board considered Closed Session next.

02:50:12

I. CLOSED SESSION ANNOUNCEMENTS

Jon Seitz, District Legal Counsel, announced the following to be considered in Closed Session:

1. CONFERENCE WITH LEGAL COUNSEL PENDING LITIGATION GC§54956.9 SMVWCD VS. NCSD (SANTA CLARA COUNTY CASE NO. CV 770214 AND ALL CONSOLIDATED CASES).
2. CONFERENCE WITH LEGAL COUNSEL PENDING LITIGATION GC§54956.9 MARIA VISTA VS. NCSD (CASE NO. CV 040877), MARIA VISTA VS. NCSD (CASE NO. CV 061079), AND MARIA VISTA VS. LINDA VISTA FARMS, NCSD ET AL. (CASE NO. CV 040150);
3. CONFERENCE WITH LEGAL COUNSEL RE: PENDING LITIGATION PURSUANT TO GOVERNMENT CODE SECTION 54956.9; MARIA VISTA ESTATES VS. NCSD ET AL. (CASE NO. ND07-10362RR IN UNITED STATES BANKRUPTCY COURT, CENTRAL DISTRICT, NORTHERN DIVISION)
4. CONFERENCE WITH LEGAL COUNSEL RE: PENDING LITIGATION PURSUANT TO GOVERNMENT CODE SECTION 54956.9; NCSD VS. COUNTY OF SAN LUIS OBISPO, ET AL (CASE NO. CV090010)

J. PUBLIC COMMENT ON CLOSED SESSION ITEMS

There was no public present to comment.

K. ADJOURN TO CLOSED SESSION

The Board adjourned to Closed Session at 12:07 p.m.

L. OPEN SESSION

ANNOUNCEMENT OF ACTIONS, IF ANY, TAKEN IN CLOSED SESSION

Director Trotter left the meeting at 1:15 p.m.

Jon Seitz, District Legal Counsel, announced that the Board heard an update on the items above and took no reportable action.

Nipomo Community Services District
REGULAR MEETING
DRAFT MINUTES

The Board considered E-4 next.

02:51:53

E-4) REVIEW/EDIT INVESTMENT POLICY AND SET FOR HEARING

Bruce Buel, General Manager, explained that the California Government Code Section 53646 (2) requires local government entities adopt an annual investment policy. At the January 14, 2009, Board Meeting the Board of Directors reviewed the proposed 2009 Investment Policy. The Board of Directors expressed concern about the security of the District's Certificate of Deposit in Rabobank.

The Board discussed the concerns. There was no public present to comment.

Lisa Bognuda, NCS D Finance Director, discussed the proposed resolution with the Board.

Upon motion by Director Eby and seconded by Director Winn, the Board agreed to direct staff to look at not only CDARS and others like that, but also to determine if that type of procedure is any more secure than what we presently have. Vote 4-0 with Director Trotter being absent.

YES VOTES	NO VOTES	ABSENT
Directors Eby, Winn, Vierheilig, and Harrison	None	Director Trotter

03:33:41

E-5) REVIEW BOARD BY-LAWS AND PROPOSE EDITS FOR CONSIDERATION

The Board discussed the proposed by-laws and made suggestions for changes.

Jon Seitz, District Legal Counsel, will make the suggested changes and bring back to a subsequent meeting.

04:52:56

E-6) AWARD QUOTE FOR HYDRANT FLUSHING AND VALVE EXERCISING AND AUTHORIZE EXECUTION OF CONTRACT

Peter Sevcik, District Engineer, explained that NCS D requested proposals from three service providers to develop, plan, and execute a program to locate, inspect, clean out, assess, exercise, flush, flow test, operationally test, mark, perform minor repairs, record mapping grade GPS data, document, create a deliverable GIS database and create work orders for water distribution system valves and hydrants to address approximately 35% of the valves and hydrants in the NCS D distribution system. The proposed program area is Town Division Water Service east of US 101. Two responses were received.

Mr. Sevcik answered questions from the Board.

Upon motion by Director Winn and seconded by Director Vierheilig, the Board agreed to award the quote for hydrant flushing and valve exercising to WACHS Utility Services for the amount of \$38,000.00. Vote 4-0 with Director Trotter being absent.

YES VOTES	NO VOTES	ABSENT
Directors Winn, Vierheilig, Eby, and Harrison	None	Director Trotter

05:12:12

E-7) DISCUSS OPTIONS TO FUND HIGH EFFICIENCY WASHER REBATE PROGRAM

Celeste Whitlow, Conservation Coordinator, explained that the funding for the HEW rebate program, currently being administered by the CUWCC, has been suspended until further notice, due to the funding difficulties of the State of California. Ms. Whitlow suggested that the District fully fund the rebates to our customers.

There was much Board discussion. There was no public present to comment.

**Nipomo Community Services District
REGULAR MEETING
DRAFT MINUTES**

E-7) DISCUSS OPTIONS TO FUND HIGH EFFICIENCY WASHER REBATE PROGRAM
(CONT)

Upon motion by Director Winn and seconded by Director Eby, the Board agreed to put the program on hold pending information from the State of California, that an article be placed in the newspaper to explain the situation, that we fully support the conservation program, that we wait until the State returns to participating with us and will resume as soon as the State renews the funding; to leave the \$11,000 with the State to hold our place, and to bring item back to the June 10, 2009 meeting. Vote 3-1 with Director Harrison voting no.

YES VOTES	NO VOTES	ABSENT
Directors Winn, Eby, and Vierheilig	Director Harrison	Director Trotter

05:31:32 F. MANAGER'S REPORT

Bruce Buel, General Manager, presented the Manager's Report as printed in the Board Packet. He asked the Board members to return the survey from Brent Ives back as soon as possible. He had an excellent meeting with Curt Batson.

05:34:10 G. COMMITTEE REPORT

1. 1/26/08 SWP Committee Meeting

Mr. Buel stated that the Committee Report is as submitted.

05:33:40 H. DIRECTORS' REQUESTS TO STAFF AND SUPPLEMENTAL REPORTS

Director Vierheilig

He will be meeting with Chairperson Gibson, Supervisor Hill and Supervisor Patterson on the Wednesday, Feb. 18th regarding Miller Park.

Director Eby

NMMA meeting 19th - would like to be there. Mr. Buel stated that only two Board members could attend.

Asked last month for measured progress of water conservation program.

Director Winn

Met with supervisors for the Water Resources Advisory Committee (WRAC), talked about Miller Park. There seems to be support

Ask staff why there were no well measurements in August 2008 and asked that steps be taken to avoid that in the future.

Are we urging the County efforts to have no new well permitting within the Nipomo Mesa Water Conservation Area?

Would like to see public relations article and pictures in newspaper about the clean-up performed on Hetrick.

Resource Management Survey report this year – how it might be organized in the future?

Director Harrison

He asked if there will be a closed meeting on the 18th meeting. Mr. Buel stated that the meeting has been canceled and Mr. Markman would be standing by concerning an appeal.

ADJOURN

President Harrison adjourned the meeting at 4:22 p.m.

➤ THE NEXT REGULAR BOARD MEETING IS FEBRUARY 25, 2009

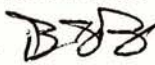
TENTATIVELY SCHEDULED ITEMS INCLUDE:

- Southland WWTF Upgrade Project Design
- Comment on Willow Road Funding Options

➤ THE NEXT SPECIALBOARD MEETING IS FEBRUARY 27, 2009 RE 2009-2014 STRATEGIC PLAN

Copy of document found at www.NoNewWipTax.com

MINUTES SUBJECT TO BOARD APPROVAL

TO: BOARD OF DIRECTORS
FROM: BRUCE BUEL 
DATE: FEBRUARY 19, 2009

**AGENDA ITEM
D-3
FEBRUARY 25, 2009**

AUTHORIZE RETENTION OF WATER AUDIT FIRM

ITEM

AUTHORIZE RETENTION OF WATER AUDIT FIRM [RECOMMEND APPROVAL]

BACKGROUND

In February 2007, the District approved the Water Conservation Program and its budget, which includes \$14,175 for water audits for single-family residences.

In July 2008, San Luis Obispo County Planning and Development requested assistance from the District in formulating a concept, then designing a program for plumbing retrofit to offset new development water demands for the Nipomo Mesa Water Conservation Area (NMWCA).

Developers have the option of finding homes appropriate for replacement of >1.5-gallons-per-flush toilets with 1.2-gallons-per-flush toilets, or contributing to a fund through which water conservation measures would be provided to NMWCA SFR landscapes.

This program is designed to be flexible to better serve the unique and diverse Nipomo Mesa homeowners. The program includes water audits of single-family residential landscapes, with installation of weather-based smart controllers if the water audit showed that significant water savings could be achieved with more efficient landscape irrigation.

The new housing development has greatly decreased throughout the nation, including Nipomo. There is not yet funding for the NMWCA plumbing retrofit program. However, the District is budgeted for water audits

In December 2009, a Request for Proposal (RFP) was sent to 10 landscape contracting companies with staff members who were in the process of moving from Provisionally Certified to Certified Water Managers through the California Landscape Contractors Association. The RFP requested proposals for two separate activities: water audits and installation of weather-based smart irrigation controllers. In that way, District-contracted landscape professionals could perform District-funded water audits and, when developer funds became available, could also install irrigation controllers for that program.

The District at this time will only be funding for water audits for its own customers.

Two proposals were returned. Of these, one proposal (from J.D. Kanni) was incomplete (attached). The completed proposal was from Earthscapes of San Luis Obispo (attached).

Earthscapes owner, Suzanne Morrison, was interviewed by General Manager Bruce Buel, Assistant General Manager Lisa Bognuda and Conservation Coordinator Celeste Whitlow on February 18, 2009. After the interview, Ms. Morrison completed a "mini" water audit on a portion of the District's landscape, and then presented her findings to the interviewer panel as if she was presenting to a homeowner.

After evaluation of Earthscapes' submitted proposal and documentation, interview, and water audit performance, the interview panel agreed that it appeared Earthscapes would be an excellent choice for the District's water audit program, and that this recommendation would be presented to the Board.

This water-auditor retention request will be discussed at the Water Conservation Committee Meeting on 02/23/2009.

Description of program. The District will identify residential landscapes for water audits and submit a list to the contractor. The contractor will submit documentation of water audit findings on a weekly basis. Invoices for payment will include water audit documentation, and will be submitted no more frequent than every week and no less frequent than every month.

Review of Earthscapes' example of a previously performed water audit indicates the complicated nature of the process.

The District will pay Earthscapes \$100 for water audit of a traditional residential lot, \$150 for a home on ½ to 1 acres, \$200 for 1 to 2 acres, and \$250 for 2 to 2.5 acres. This payment is all inclusive for the RFP's described water audit activities.

The number of water audits performed depends on the size of the lots evaluated, not to exceed the \$14,175 budgeted for water audits in the 2008-2009 fiscal-year budget.

When the NWCA new-development water-use mitigation program is funded, it is recommended that the District obtain reimbursement for the water audits we have performed using District funds.

FISCAL IMPACT

The Water Conservation Program is budgeted for \$14,175 for SFR water audits, none of which has yet been used.

It is estimated that water audits should result in a 10% to 15% decrease in landscape water demand (Vickers, Amy. *Handbook of Water Use and Conservation*. Amherst, MA: Water Plow Press, 2001)

RECOMMENDATION

Staff recommends that the Board authorize execution of a one-year agreement (with the District option of renewal) with Earthscapes for the performance of water audits for our customers.

ATTACHMENTS

- Proposal from Earthscapes.
- Proposal from K.D. Janni.

Proposal:

J.D. Kanni

NIPOMO COMMUNITY

BOARD MEMBERS

MICHAEL WINN, PRESIDENT
JAMES HARRISON, VICE-PRESIDENT
CLIFFORD TROTTER, DIRECTOR
ED EBY, DIRECTOR
LARRY VIERHELIG, DIRECTOR



SERVICES DISTRICT

STAFF

BRUCE S. BUEL, GENERAL MANAGER
LISA BOGNUDA, ASSISTANT GENERAL MANAGER
TINA GRIETANS, UTILITY SUPERINTENDENT
JON SEITZ, GENERAL COUNSEL
CELESTE WHITLOW, CONSERVATION
COORDINATOR

Celebrating 43-Years of Service 1965-2008

148 SOUTH WILSON STREET POST OFFICE BOX 326 NIPOMO, CA 93444 - 0326
(805) 929-1133 FAX (805) 929-1932 Website: ncsd.ca.gov

December 16, 2008

K.D. Janni Landscaping
P.O. Box 4014
San Luis Obispo, CA 93403

Re: RFP for Water Audit and Weather-Based Irrigation Controller Installation

Greetings:

Enclosed please find our Request for Proposal(s) and a sample Work-Order Contract.

The NCSD wishes to assist our customers in their water conservation efforts. In addition, SLO County has authorized funding by developers for a program of plumbing fixture retrofit and installation of a smart irrigation controller, if warranted, for residents of the Nipomo Mesa Water Conservation Area.

The first step in any landscape-oriented assistance will be a water audit/survey. Depending on the findings at audit, and after the system has been brought up to efficiency, other options, including installation of a smart irrigation controller, will be considered.

NCSD is starting the water audit program for its customers, which is funded in this year's budget. It is anticipated that, if the NCSD's water-audit program proves to be beneficial for our customers in their water conservation efforts, the program will continue in years to come. However, current funding is for one year, and the decision to continue the program will be made on a year-to-year basis.

The County-authorized program will start when developer-contributed funds are sufficient to fund the program.

Please feel free to contact me if you have any questions.

Sincerely,

Celeste Whitlow, Conservation Coordinator

enclosure

NIPOMO COMMUNITY



SERVICES DISTRICT

BOARD MEMBERS

MICHAEL WINN, PRESIDENT
JAMES HARRISON, DIRECTOR
CLIFFORD TROTTER, DIRECTOR
ED EBEL, DIRECTOR
LARRY VIERHEILIG, DIRECTOR

STAFF

BRUCE BUEL, GENERAL MANAGER
LISA BOGNUDA, ASSISTANT ADMINISTRATOR
JON SEITZ, GENERAL COUNSEL
PETER SVECIK, DISTRICT ENGINEER
CELESTE WHITLOW, CONSERVATION COORDINATOR

148 SOUTH WILSON STREET POST OFFICE BOX 326 NIPOMO, CA 93444 - 0326
(805) 929-1133 FAX (805) 929-1932 Email address ncsd.com

DECEMBER 16, 2008

REQUEST FOR PROPOSALS

Nipomo Community Services District (NCS D) is requesting proposals for landscape water audits and installation of weather-based irrigation controllers ("irrigation controllers") for NCS D water customers.

Scope of Work

The Scope of Work is attached as Exhibit "A".

INTRODUCTION

There are two phases of this project, which will require two separate bids:

- Phase I: Landscape Water Audits.
- Phase II: Direct Installation of irrigation controllers.

A Contractor shall bid on each Phase as a separate project. A Contractor may elect to bid on one or both of the Phases. Awards will be made for each Phase. The Awards may be made to one contractor for both Phases, or the Awards may be made separately for each Phase.

CONTRACT REQUIREMENTS

Contractor shall be a licensed Landscape Contractor and a Certified Water Manager, a Provisional Water Manager, or a Certified Irrigation Landscape Auditor. Contractor shall be required to enter into a contract and provide the required certificates of insurance (sample contract attached).

Prevailing Wage shall be paid as determined by the Director of Industrial Labor Relations of the State of California pursuant to California Labor Code Part 7, Chapter 1, Article 2. Prevailing wage determinations are available on the web at www.cslp.ca.gov

Submittal

Contractor proposal shall include the following:

1. Three copies of the Proposal (including all required submissions);
2. Description of your understanding of the requirements;
3. Company profile, including your experience in providing water audits and/or installation of irrigation controllers for residential and commercial landscapes;
4. A list of at least three references, including name and telephone number of contact person and description of duties, for similar projects performed in the last five years;
5. A description, and provision of resumes, for staff responsible for Program Development, Program Management, and Program Services;
6. Indication of the number of water audits or irrigation controller installations Contractor could perform each day and each week;
7. Sample of a previous water audit completed by Contractor.
8. Signature on the Bid Sheet by an official authorized to bind the company and placed in a sealed envelope. The exterior of the envelope shall identify the quote as "PROPOSAL: WATER AUDITING SERVICES/ IRRIGATION CONTROLLER INSTALLATION."
 - a. Bids shall be all inclusive (with the exception of minor irrigation system parts and fixes previously authorized by the District), and shall include mileage, clerical, and all other expenses required to complete the water audit or installation of the weather-irrigation controller.

- b. No emailed or faxed Proposals shall be accepted.
- 9. Proposal shall be valid for 90 days from due date of submittal.

Selection criteria for awarding contract(s)

All proposals received will be evaluated according to a numerical ranking process. Ranking will be based on the criteria listed below. Those selected for an oral interview will be contacted. After completion of the interviews, ranking will again be performed and Contractor(s) deemed the most qualified, based on the criteria below, will be notified. Note that interviewed Contractors shall be required to perform a short water audit as part of the evaluation process (for Phase I bidders only).

Selection criteria include:

- 1. Understanding of the requirements of the program(s).
- 2. Management ability.
- 3. Commitment to quality and customer satisfaction.
- 4. Experience with customer interaction and education.
- 5. Key personnel (qualifications and experience).
- 6. Resources and facilities.
- 7. Similar prior experience.
- 8. Performance on short landscape water audit (interviewed Phase I Contractors only).
- 9. Cost.

Contact Persons

Celeste Whitlow, Conservation Coordinator
148 S. Wilson Street, P.O. Box 326
Nipomo, CA 93444
Phone: (805) 929-1133
Email: cwhitlow@ncsd.ca.gov

Bruce S. Buel, General Manager
148 S. Wilson Street, P.O. Box 326
Nipomo, CA 93444
Phone: (805) 929-1133
Email: bbuel@ncsd.ca.gov

Due Date

Proposals shall be submitted to Nipomo Community Services District, 148 S. Wilson Street, Nipomo, no later than 4:00 p.m. on Tuesday, January 13, 2009.

NCSD reserves the right to reject any and all submittals and/or solicit new submittals at its discretion.



Sincerely,
Bruce Buel
General Manager
NIPOMO COMMUNITY SERVICES DISTRICT

Enclosure

EXHIBIT "A"
**LANDSCAPE WATER AUDIT SERVICES and/or INSTALLATION OF IRRIGATION
CONTROLLERS FOR NIPOMO COMMUNITY SERVICES DISTRICT**

NOTE: Whenever the term "as necessary" is used in this Exhibit it is understood to mean that the operation shall be performed using industry accepted good landscape practices.

This Request for Proposal (RFP) is for two separate, but connected, activities:

Phase I: Landscape water audits.

Phase II: Direct installation of a weather-based irrigation controller.

Contractor may submit a proposal for Phase I and/or Phase II. The proposals for each Phase shall be evaluated separately, and awarded separately, but not necessarily to different contractors.

PHASE I: LANDSCAPE WATER AUDITS

1) RANGE AND SCOPE OF SERVICES:

- a) Water audits shall be scheduled by Contractor from a list provided by the NCSD.
- b) Number and frequency of audits shall be dependent on customer interest in the program.
- c) This is anticipated to be a multi-year, on-going project.
- d) Each water audit is anticipated to take 2 to 5 hours to complete, depending on size of property.

2) IRRIGATION SYSTEM:

- a) Assess existing irrigation and plant material for adequacy of irrigation coverage.
- b) Assess for leaks in the irrigation system.
- c) Assess for other non-irrigation-system landscape leaks.
- d) Conduct a distribution uniformity test for one valve of the irrigation system.
- e) Assess for broken or nonfunctioning sprinkler heads, emitters and other applicators.
- f) Assess for runoff or overspray. Adjust sprinkler heads or other applicators as necessary to decrease overspray and runoff.
- g) Adjust sprinklers or other applicators as necessary to reach maximum distribution uniformity.
- h) Estimate water needs for plant material in landscape.
- i) Prepare a water budget for the landscape, including estimate of potential water savings.
- j) Adjust irrigation timer to conservation levels.
- k) Prepare a list of needed repairs and improvements of irrigation system.
- l) Prepare for site owner/manager a list of recommended seasonal changes in irrigation timer. Instruct site owner/manager in the basics of programming the controller sufficient to allow site owner/manager programming of seasonal changes in irrigation frequency and run-time.
- m) Prepare a list of recommendations for plant material changes.
- n) Fill out water audit information.

3) CUSTOMER INTERACTION:

A very important part of the audit process is the education of the site owner/manager. These activities would include:

- a) Explanation to site owner/manager of the audit findings, including repairs that need to be made.
- b) Discussion with the site owner/manager the site's water use and suggestions for decreasing the site's water use, including, but not limited to, drought-resistant plant material, decrease in lawn size, soil amendments and mulching, and modifications to irrigation system.
- c) Education of site owner/managers on basic xeriscape principles, and explanation of recommendations for change in plant material.

4) REPAIRS:

- a) If there are simple irrigation system repairs, the District may elect to fund them, on a site-by-site basis. The NCSD shall establish a limit regarding the type and extent of work eligible to be done under NCSD funding.

5) OTHER INFORMATION:

- a) Forms for water audits shall be provided by NCSD. The forms will be either identical, or very similar, to those in the "*Certified Landscape Irrigation Auditor*" published by the Irrigation Association (www.irrigation.com). These are the only forms approved for this program. The completed forms and other documentation shall be faxed to the District within one week of submission of the audit. Copies of completed forms and documentation shall be included with invoices for services.
- b) Invoicing shall occur no less than weekly and no more than monthly.

**PHASE II: DIRECT INSTALLATION OF
WEATHER-BASED IRRIGATION CONTROLLERS**

The results of water audit (including repairs, adjustment of applicators, reprogramming of the irrigation controller, and other steps) may not prove to significantly decrease the landscape water use. Installation and programming of an irrigation controller shall be considered at that time, and the District may elect to authorize irrigation controllers installation, if the anticipated water savings were sufficient to justify the cost of the irrigation controller direct installation.

RANGE AND SCOPE OF SERVICES:

- 1) The irrigation controller (weather-based smart controller) shall be provided by the NCSD.
- 2) Contractor shall visit the site, and insure that the irrigation system itself (excluding the controller) is without leaks, broken sprinkler heads, or other inefficiency.
- 3) Installation of the irrigation controller shall include accurate programming of plant water needs, slopes, type of soil, plant material, and other pertinent variables.
- 4) Training (free) for installation and programming shall be provided by NCSD.
- 5) Completion of training for installation and programming shall be required of Contractor and staff who will be involved with installation of irrigation controllers.
- 6) Contractor shall perform a one-month post-installation site visit for fine-tuning of the irrigation controller programming.
- 7) Documentation forms for the irrigation controller installation shall be provided by the NCSD. These are the only forms approved for this program. The completed forms and other documentation shall be faxed to the District within one week of submission of the audit.

**NIPOMO COMMUNITY SERVICES DISTRICT
REQUEST FOR PROPOSAL
WATER AUDIT SERVICES**

BID SHEET

CONTRACTOR NAME K. D. Janni Landscaping Inc.

PHASE I: WATER AUDITS

Water audit services as outlined in Exhibit 'A'.

BID? Yes No

	Amount per Site
Residential lot size:	\$ <u>450.00</u>
½ to 1 acre:	\$ <u>600.00</u>
1 to 2 acres:	\$ <u>750.00</u>
2 to 2.5 acres:	\$ <u>900.00</u>

PHASE II: IRRIGATION CONTROLLER

Installation and programming of weather-based irrigation controllers, with follow-up visit, as outlined in Exhibit 'A'

BID? Yes No

Amount per Site
\$ 1350.00

Jim Haver
Signature

1/12/09
Date

EXHIBIT "B"
NIPOMO COMMUNITY SERVICES DISTRICT

CONTRACTOR INFORMATION
FOR INCLUSION IN NCSD'S LIST OF BIDDERS

(This list may be used by NCSD when a determination has been made to bid a project informally)

Company Name	KD JANNI LANDSCAPING INC.
Address:	P.O. Box 4014 San Luis Obispo Ca. 93403
Phone Number	805-541-4944
Fax Number	805-541-4959
Email Address	Jim Home (A) KD Janni . com

Type of Contracting License (A, B, C.)	C-27
Contractor License Number	581669
Name of License Holder	Keith Janni
Certified DBE (Y/N)	
DBE Number/Certifying Agency	

Type of work interested in and currently licensed to perform (check)

<input type="checkbox"/>	Bridge & Tunnel Construction	<input type="checkbox"/>	Industrial Coatings	<input type="checkbox"/>	Roadway Construction
<input type="checkbox"/>	Building Construction/Remodeling	<input checked="" type="checkbox"/>	Landscaping and Irrigation	<input type="checkbox"/>	Signing/Traffic Control
<input type="checkbox"/>	Concrete Retaining Walls	<input type="checkbox"/>	Masonry (incl. retaining walls)	<input type="checkbox"/>	Street Lighting and Traffic Signals
<input type="checkbox"/>	Concrete Rehabilitation / Repair	<input type="checkbox"/>	Minor concrete (incl. flatwork)	<input type="checkbox"/>	Striping
<input type="checkbox"/>	Communication Lines	<input type="checkbox"/>	Painting	<input type="checkbox"/>	Tanks
<input type="checkbox"/>	Excavation	<input type="checkbox"/>	Pipeline Construction	<input type="checkbox"/>	Treatment Facility Equipment Installation / Repair
<input type="checkbox"/>	Hazardous Material Abatement	<input type="checkbox"/>	Playground Equipment Installation	<input type="checkbox"/>	
Other (describe) :					

Proposal: Earthscapes



EARTHSCAPES is a Full Service
Landscape Design, Installation,
and Maintenance Company
with over 20 years Experience
serving San Luis Obispo County.

We specialize in:

- Native and Drought Tolerant Plants
- Water Features and Pondless Waterfalls
- Decks, Patios, Walks and Driveways
- Retaining and Garden Walls
- Fences and Custom Gates
- Arbors and Trellises
- Irrigation Systems and Water Audits
- Drainage and Erosion Control
- Outdoor Lighting
- Outdoor Kitchens
- Endless Pools
- Excavating and Grading



Creating Quality
Environments with Integrity



EARTHSCAPES



Our Mission Statement:
EARTHSCAPES is dedicated to bringing the
highest quality of service and satisfaction to our
customers by Creating Quality Outdoor Living
Environments with Integrity.

P.O. Box 5405
San Luis Obispo, CA 93403
Phone: (805) 545-9600
Fax: (805) 528-8134
www.earthscapes.biz
License # 882571

"Thank you for the exceptional job you and your crew did in creating our backyard sanctuary and for taking the time to understand our goals and visions...with the addition of your own concepts and skills, the project exceeded our expectations."

- Milton Davis and Madeleine Arel-Davis



Top reasons to choose EARTHSCAPES

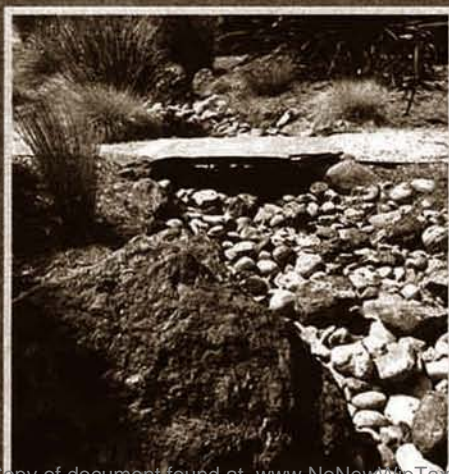
- Full Service - Landscape Design, Installation, and Maintenance Company
- Great Reputation - 20 years experience serving San Luis Obispo County
- Customer Satisfaction - Over 90% of our clients are referrals or repeat customers
- Creative Design Staff - We take your vision and make it a reality
- Reliable - Our professional crews work diligently to implement your design
- Responsive - Prompt reply to your requests
- Accountability - We stay on schedule and keep you informed
- Peace of Mind - We are licensed and fully insured to protect you and your property
- Excellent References - Always available

EARTHSCAPES premier projects continue to be featured on local garden tours, such as "Gardens by the Sea."



"The Earthscapes team was fabulous, they have the type of employees that every business owner would love to have... The follow-up has been terrific, and if we need anything done the Earthscapes team is right on it. We recommend Earthscapes for any landscape project."

-Melinda and Eric Bollinger





Nipomo CSD
148 S. Wilson St.
P.O. Box 326
Nipomo, CA 93444

January 9, 2009

PHASE 1: LANDSCAPE WATER AUDITS PROPOSAL

SCOPE OF SERVICES

The objectives of this program are to identify opportunities for water savings and evaluate these opportunities in terms of feasibility, costs and water savings potential. The first step in the water conservation efforts would be to conduct a water audit/survey. The audits will be scheduled by the Landscape Contractor from a list provided by the NCSD.

IRRIGATION SYSTEM

1. Assess existing irrigation and plant material for adequacy of irrigation coverage.
2. Assess for leaks in the irrigation system.
3. Conduct a Distribution Uniformity test for one valve of the irrigation system.
4. Assess for broken or nonfunctioning sprinkler heads, emitters and other applicators.
5. Assess for runoff or overspray. Adjust sprinkler heads or other applicators as necessary to eliminate or decrease overspray and runoff.
6. Adjust sprinklers or other applicators as necessary to reach maximum distribution uniformity.
7. Estimate the water needs of the plant material in the landscape.
8. Prepare a water budget for the landscape, including an estimate of potential water savings.
9. Adjust irrigation timer to conservation levels.
10. Provide a checklist of needed repairs & improvements for the irrigation system.
11. Prepare for the site owner/manager a list of recommended seasonal changes in the irrigation schedule. Instruct the site owner/manager in the basics of programming the controller sufficient to allow the site owner/manager the ability to program the seasonal changes in irrigation frequency and run time.
12. Prepare a list of recommendations for plant material changes.
13. Complete the water audit information.

CUSTOMER INTERACTION

1. Meet with each site owner/manager to discuss the evaluation/audit results, including any repairs that need to be made.
2. Discussion with the site owner/manager about the sites water use and make suggestions for decreasing the site's water use. These recommendations would include the use of drought tolerant plant material, decrease in lawn size or removal of lawn, the use of soil amendments and mulches and modifications to the irrigation system.
3. Educate the site owner/managers on basic xeriscape principles, and explain the recommendations for changes in plant material.

REPAIRS

If there are simple irrigation system repairs to be done and the District elects to fund them, they may be done on a site by site basis. The NCSD shall establish a limit regarding the type and extent of work eligible to be done under NCSD funding.

SUBMITTALS

1. Water audits will be submitted on CLIA forms published by the Irrigation association. Forms will be submitted to the District within one week of submission of the audit. Copies of the completed forms and documentation shall be included with invoices for service.
2. Invoicing shall occur no more than weekly and no less than monthly.

COMPANY PROFILE

EARTHSCAPES is a full service landscape design, installation and maintenance company with over 20 years experience serving San Luis Obispo County. We specialize in Native and drought tolerant planting design, the design and installation of water efficient Irrigation systems (including smart controllers) for residential and commercial clients, conducting Water Audits, Drainage and Erosion control, Excavation and grading and the installation of all phases and aspects of landscape construction.

EARTHSCAPES has performed several water audits over the last year and manages the irrigation systems and water usage for more than 50 landscape maintenance clients, both residential and commercial.

EARTHSCAPES has maintained a Homeowners Association (HOA) property in San Luis Obispo for over 11 years. In February 2008 we conducted a water audit for the property. The findings were used to conduct a study of how much water they were using to irrigate their existing landscape with a 22,000 sq. ft. lawn and other plantings compared to removing all or part of the lawn and replacing it with drought tolerant plants.

We created 2 different scenarios with little or no lawn to use as a comparison in water use. The results were significant. We included the annual water usage costs as well as annual lawn maintenance and renovation costs and compared it to the new installation of the 2 different scenarios. We estimated the construction costs for each new landscaping scenario and then determined the number of years to cover the new construction costs. When we calculated the total water use and annual savings for the 2 different landscapes, the savings was between \$6400 to \$7400 annually, depending on the scenario. The HOA is currently considering re landscaping the property based on our study and recommendations. See enclosed analysis for the Arbors Huckleberry Lawn for further information.

REFERENCES

Ron Munds – Utilities Conservation Coordinator – City of San Luis Obispo – 879 Morro Street, San Luis Obispo, CA 93401 phone (805)781-7258

Ron and his staff Doug Dowden and Bob Nickolson assisted me with my first large irrigation audit that was conducted in February 2008. It was for the Islay Hill HOA in San Luis Obispo. I have been managing the irrigation for the property since then for my CLCA Water Management Certification. I also know Ron through our local CLCA Chapter and various Water Conservation Events.

Jaime Lien – Conservation Manager – Atascadero Mutual Water Company – 5005 El Camino Real, Atascadero, CA 93423 phone (805)461-7217, ext 17

Jaime worked with our local CLCA Chapter at the Mid State Fair last year putting together a booth promoting water conservation. We have worked together on many projects with the CLCA and various Water Conservation Events.

Susanne Gartner – Certified Landscape Irrigation Auditor (CLIA) – Cal Poly, San Luis Obispo – Irrigation Training and Research Center (ITRC)
Ph (805)756-2530. Susanne observed and verified my (2) CLIA Water Audits, for the completion of my CLIA Certification.

Frank Yost – Property Manager - Yost Management, 2251 Broad Street, Suite C, San Luis Obispo, CA ph (805)543-8321

EARTHSCAPES has maintained a property for Yost Management for over 11 years, the Islay Hill HOA. We recently conducted a water audit for the property in February 2008. The results of the Audit are discussed in our Company profile.

SCHEDULE FOR SERVICES FOR WATER AUDITS

Number of Water Audits performed per day: between (two and four) audits per day or between (four and eight) audits per week, depending on the size of the property.

Staff responsible for Program Development, Management and Services

Suzanne Morrison

LICENSES & CERTIFICATIONS

Fully Certified Landscape Irrigation Auditor (CLIA).

Provisionally certified by the CLCA Water Management Program.

Department of Pesticide Regulation – Qualified Applicator Certificate #20676

State of California – Contractors License #882571 (C-27)

EDUCATION: Cal Poly – San Luis Obispo, Bachelor of Science Degree in Landscape Architecture – 1992

EXPERIENCE: Over 30 years experience in the Landscape/Horticulture & Irrigation Industry. Worked in various positions including Nursery Management, Landscape and Irrigation Installation and Maintenance in the City Parks and for Private Companies, Owner/Operator of a Landscape Business in Colorado, Estimator and Purchasing Agent for a large Landscape Contractor in San Diego, Landscape Designer and sales person for a Landscape Company in Nipomo. Owner/Operator of EARTHSCAPES since 1988. My duties and responsibilities at EARTHSCAPES include: Managing between 8-10 full time employees in Landscape Design, Installation and Maintenance. Ensuring that quality & customer satisfaction is kept at the highest level at all times. Performing Water Audits and managing Irrigation Systems for over 50 Maintenance clients on a regular basis. We interact with our clients frequently and enjoy educating them on the process of their particular landscape project.

COMMUNITY INVOLVEMENT: Member of California Landscape Contractors Association (CLCA), authored articles and newsletters about Water Conservation (see enclosed newsletter) and we participated in the Water Conservation Fair in Los Osos in September 2008.

Ross Rickard (Irrigation Technician) provisionally certified by CLCA Water Management Program. (See attached resume)

Katy Moore (Landscape designer and Maintenance Supervisor) Soon to be certified by CLCA Water Management Program and completed an internship with the Atascadero Mutual Water District conducting water audits in 2006. (See attached resume)

PHASE 2: DIRECT INSTALLATION OF WEATHER-BASED IRRIGATION CONTROLLERS

SCOPE OF SERVICES

1. The Irrigation Controller (weather-based smart controller) shall be provided by the NCSD.
2. The Contractor shall visit the site, and insure that the irrigation system itself (excluding the controller) is without leaks, broken sprinkler heads, or other inefficiencies.
3. Installation of the Irrigation Controller shall include accurate programming for plant water needs, slopes, soil type, plant material, and other pertinent variables.
4. Free training for installation and programming shall be provided by NCSD.
5. Completion of training for installation and programming shall be required of the Contractor and staff who will be involved with installation of Irrigation Controllers.
6. The Contractor shall perform a one month post-installation site visit for fine tuning of the Irrigation Controller programming.
7. Documentation forms for the Irrigation Controller installation shall be provided by the NCSD. These are the only forms approved for this program. The completed forms and other documentation shall be faxed to the District within one week of submission of the Audit.

Schedule for Services for Smart Controller Installation

Installation and programming of Smart Controllers, including follow up visit would be between (five and six) hours per controller, depending on number of stations. We could install up to (two) per day or (four) per week.

EXHIBIT "B"
NIPOMO COMMUNITY SERVICES DISTRICT

CONTRACTOR INFORMATION
FOR INCLUSION IN NCSD'S LIST OF BIDDERS
 (This list may be used by NCSD when a
 determination has been made to bid a project informally)

Company Name	EARTHSCAPES
Address:	P.O. Box 5405 San Luis Obispo, CA 93403
Phone Number	(805) 545-9600
Fax Number	(805) 528-8134
Email Address	SUZANNE @ earthscapes.biz

Type of Contracting License (A, B, C,)	C-27
Contractor License Number	882571
Name of License Holder	EARTHSCAPES
Certified DBE (Y/N)	N
DBE Number/Certifying Agency	

Type of work interested in and currently licensed to perform (check)

<input type="checkbox"/>	Bridge & Tunnel Construction	<input type="checkbox"/>	Industrial Coatings	<input type="checkbox"/>	Roadway Construction
<input type="checkbox"/>	Building Construction/Remodeling	<input checked="" type="checkbox"/>	Landscaping and Irrigation	<input type="checkbox"/>	Signing/Traffic Control
<input checked="" type="checkbox"/>	Concrete Retaining Walls	<input checked="" type="checkbox"/>	Masonry (incl. retaining walls)	<input type="checkbox"/>	Street Lighting and Traffic Signals
<input checked="" type="checkbox"/>	Concrete Rehabilitation / Repair	<input checked="" type="checkbox"/>	Minor concrete (incl. flatwork)	<input type="checkbox"/>	Striping
<input type="checkbox"/>	Communication Lines	<input checked="" type="checkbox"/>	Painting	<input type="checkbox"/>	Tanks
<input checked="" type="checkbox"/>	Excavation	<input type="checkbox"/>	Pipeline Construction	<input type="checkbox"/>	Treatment Facility Equipment Installation / Repair
<input type="checkbox"/>	Hazardous Material Abatement	<input checked="" type="checkbox"/>	Playground Equipment Installation	<input type="checkbox"/>	
Other (describe): Perform Water Audits Install Smart Controllers					

**NIPOMO COMMUNITY SERVICES DISTRICT
REQUEST FOR PROPOSAL
WATER AUDIT SERVICES**

BID SHEET

CONTRACTOR NAME EARTHSCAPES

PHASE I: WATER AUDITS

BID? Yes No

Water audit services as outlined in Exhibit 'A'.

# hrs. per Audit	Residential lot size:	Amount per Site
2 hrs.		\$ <u>100</u>
3 hrs.	½ to 1 acre:	\$ <u>150</u>
4 hrs.	1 to 2 acres:	\$ <u>200</u>
5 hrs.	2 to 2.5 acres:	\$ <u>250</u>


PHASE II: IRRIGATION CONTROLLER

BID? Yes No

Installation and programming of weather-based irrigation controllers, with follow-up visit, as outlined in Exhibit 'A'

Amount per Site
\$ 250-300 Depending on the number of stations per controller.

5-6 hrs. to install, program + follow up



Signature

1-9-09
Date

This estimate is based on the electrical source for the controller being provided at the desired controller location for the installation.

**ROSS RICKARD
1365 PRESCOTT DR
MORRO BAY, CA 93422
(805) 748-4410**

Summary

Extensive experience in all phases of residential and commercial landscape installation projects. Expertise in irrigation installation and troubleshooting.

Qualifications

Supervision - Responsible for recruiting, training, and supervising crews at multiple job sites; ensuring safety of employees, equipment, and job sites; job cost estimating, cost containment and quality control; coordinating scheduling and management of subcontractors; materials ordering; ability to read and follow construction plans; and maintaining effective communication with clients.

Skills and Experience

- Installation of all aspects of Irrigation, including Smart Controllers, weather stations, and rain sensors
- Outdoor lighting systems installation, troubleshooting, and repair
- Broad knowledge of all tools and equipment used in landscape installation
- Excavation and grading with large equipment
- Drainage and erosion control
- Hardscape installations: including patios, driveways, and retaining walls
- Carpentry projects: including fencing, gates, arbors, and trellises
- Plant material and groundcover installation

Certifications

- Certified Landscape Technician (CLT) through PLANET (Professional Landcare Network)
- Provisionally certified Water Manager through CLCA (California Landscape Contractors Association)

Employment History

March 1999 – Present: EARTHSCAPES, Los Osos, CA
Landscape Installation Supervisor/Irrigation Technician

Military Experience

United States Marine Corps – Specialty: Automotive Mechanic, Rank: Lcpl

Education

Golden Sierra High School – Diploma 1997

References available upon request.

Katherine Deshotels-Moore

23 Quail Ridge Drive
Atascadero, CA 03422
(805) 462-9464; (805) 305-3988
b.k.moore@sbcglobal.net

EDUCATION:

California Polytechnic University, San Luis Obispo

Bachelor of Science Degree, Environmental Horticultural Science,
Concentration—Landscape Design. Fall 2008 / GPA: 3.93

Cuesta Community College, San Luis Obispo

Associate of Science Degree, Transferable Studies, December, 2005
GPA: 3.959 / Graduated with Academic Honors

University of Hawaii, Hilo, HI

Spring 1998. Coursework studied: Intro to Horticulture in Hawaii; Focus on Agriculture

Maui Community College, Maui, HI

1992 to 1993. Coursework Studied: Plant Pathology; Insect Pests & IPM Control; Tropical Plant ID; Soil Science; Small Business Management.

WORK EXPERIENCE:

Nov. 2006 – Present. Earthscapes, Los Osos, CA

Landscape Designer

- Configure Landscape Designs into DynaScape CAD program; Site measurement, inventory, and analysis; Assist with preparation of landscape estimates.

May 2006 – September 2006. Internship, Atascadero Mutual Water Co.

Water Auditor

- Perform water audits and make adjustments and recommendations to reduce landscape water usage for customers of Atascadero Mutual Water Company.

Feb. 2004 – October 2006. Hometown Nursery, Paso Robles, CA

Nursery Sales Assistant

- Advise customers with plant recommendations and related supplies; Maintain quality control of nursery inventory; Provide cashier assistance.

March 2003 – January 2004. Oceano Nursery, Oceano, CA

Nursery Assistant

- Advise customers with plant recommendations and related supplies; Maintain quality control of nursery inventory; Managed plant inventory by assisting with ordering and receiving plants; Directed personnel with daily activities.

August 2002 to March 2003. San Simeon Nursery, San Luis Obispo, CA

Nursery and Landscape Assistant

- Prepare and propagate plant cuttings; Repot plants and perform general care nursery duties; Install plants in residential landscape settings.

July 1996 to July 2002. Hualalai, Four Seasons Resort Kailua-Kona, HI

Resort Landscape Manager/Department Head

- Managed a multi-faceted department that consisted of landscape maintenance, interior plantscaping, design and installation projects, and composting operations for a growing, world class resort community.

June 1995 to July 1996 California & Hawaii Foliage Growers Hilo, HI

Landscape Nursery Manager

- Supervised the growing and maintenance operations of landscape plants and trees; Researched local sales market and promoted plant sales; supervised shipping operations of landscape plant material throughout the state of HI.

December 1990 to June 1995 Kihei Gardens & Landscape Wailuku, HI

Project Manager

- Superintendent of landscape operations at Hapuna Beach Prince Hotel: Hired and supervised personnel; Established and maintained field operations. (6/94 to 6/95)
- Designed & implemented safety policies and procedures according to HIOSH standards; Train & instruct employees, enforce safety regulations throughout the company. (3/93 to 6/94)
- Supervised landscape maintenance and renovation projects at Wailea Elua, luxury condominium village. (11/91 to 6/94)
- Supervised & assisted with completion of installation of landscape materials; supervised maintenance during warranty period at Palms of Wailea, luxury condominium village and Inter-Continental Hotel. (12/90 to 11/91)

May 1990 to December 1990 Wailea Resort Co. Wailea, HI

LEADERSHIP:

California Landscape Contractor's Association, V.P Programs: 2008

Landscape Industry Club Officer / CLCA, Cal Poly: 2006

Pi Alpha Xi Honor Society Member: Spring 2007 to Present.

Alpha Gamma Sigma Honor Society: Permanent Member. Officer, Fall, 2005.

Hawaii Island Landscape Association: Member August 1994 to June 2002.

Positions Held: President-Elect / Programs Director—1995; President—1996; Advisory & Committee Chairperson—1997 to 2002; President-elect—2001 to 2002.

SITE INSPECTION WORKSHEET #1 – ROTOR

Station Data

Site Name El Morro Date 11-5-08
 Candidate ID # 006020 Sheet 1 of 1

Controller Identification			
Station Number:	1	2	3
Plant Material Type	CST	SHR	SHR
Sprinkler Type <i>Hunter</i>	FGJ	Drip	Drip
Observed Problems:			
Valve Malfunctions	no	no	no
Low Pressure	no	NA	NA
High Pressure	no		
Tilted Sprinklers	no		
Spray Deflection	no		
Sunken Sprinklers	no		
Plugged Equipment	no		
Arc Misalignment	no		
Low Sprinkler Drainage	no		
Leaky Seals or Fittings	no	↓	↓
Lateral or Drip Line Leaks	no	no	no
Missing or <u>Broken Heads</u>	yes	NA	NA
Slow Drainage or Ponding	no		
Compaction/Thatch/Runoff	no	↓	↓
Notes and Comments: <i>St. #1 mismatched nozzles 5 - 2.0 gpm " 1 - 1.0 " " And 1 broken head - does not turn</i>	<i>Cool season Turf</i>	<i>shrubs on Drip</i>	<i>shrubs on Drip</i>

SITE INSPECTION WORKSHEET #2 - ROTOR Controller Information

Candidate ID # 006020 Date 11-5-08
 Controller ID # 4794 serial # _____ Sheet 1 of 1

Central Control	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Make and Model Number	<u>Hardie - Raindial 600</u>
Age	<u>12 yrs</u>
Available Features:	
Number of Stations	<u>6</u>
Minimum Run Time	<u>1 min</u>
Maximum Run Time	<u>5.9 hrs</u>
Percent Adjust Options	<u>no</u>
Number of Programs	<u>3</u>
Cycles per Program	<u>3</u>
Stations per Program	<u>6</u>
Irrigation Days/Week Max.	<u>7</u>
Irrigation Hours/Day Max.	<u>24 hr</u>
Calendar Period (days)	<u>365</u>
Skip Day Period (max)	<u>up to 15</u>
Cycle Soak	<u>3 start times</u>
Sensors Installed	<u>no</u>
Sensors Capability	<u>none</u>
Miscellaneous Items:	<u>NA</u>

SITE INSPECTION WORKSHEET #3- ROTOR

Point of Connection (POC) Information

Candidate ID # 006020 Date 11-5-08

POC PRESSURE DATA

Pressure during normal irrigation 66 psi Time of day 11:30
 Static pressure during site inspection 76 psi Time of day 11:20

Notes: Backflow device, pump station, regulator

Hose bibb on house - checked psi

POC FLOW DATA

Meter Number	Station Number	Gal (cf)	Beginning Readings	Ending Readings	Beginning Time	Ending Time	Elapsed Time
1	1	cf	1424.25	1424.32	11:27	11:32	5 min

CURRENT SCHEDULE

Program	<u>A</u>	<u>B</u>	_____	_____	_____	_____	_____	_____
Cycles	<u>1</u>	<u>1</u>	_____	_____	_____	_____	_____	_____
Days	<u>T, F, Su</u>	<u>Skip 3</u>	_____	_____	_____	_____	_____	_____
	<u>Spr.</u>	<u>Drip</u>	_____	_____	_____	_____	_____	_____
<u>Program</u>	<u>Station</u>	<u>Run Time</u>	<u>Program</u>	<u>Station</u>	<u>Run Time</u>	<u>Program</u>	<u>Station</u>	<u>Run Time</u>
<u>A</u>	<u>1</u>	<u>20 min</u>	_____	_____	_____	_____	_____	_____
<u>B</u>	<u>2</u>	<u>102 min</u>	_____	_____	_____	_____	_____	_____
<u>C</u>	<u>3</u>	<u>60 min</u>	_____	_____	_____	_____	_____	_____

PRECIPITATION RATE TEST WORKSHEET

Page: 1 of: 1

DATE: 11-5-08 AUDITOR: Suzanne

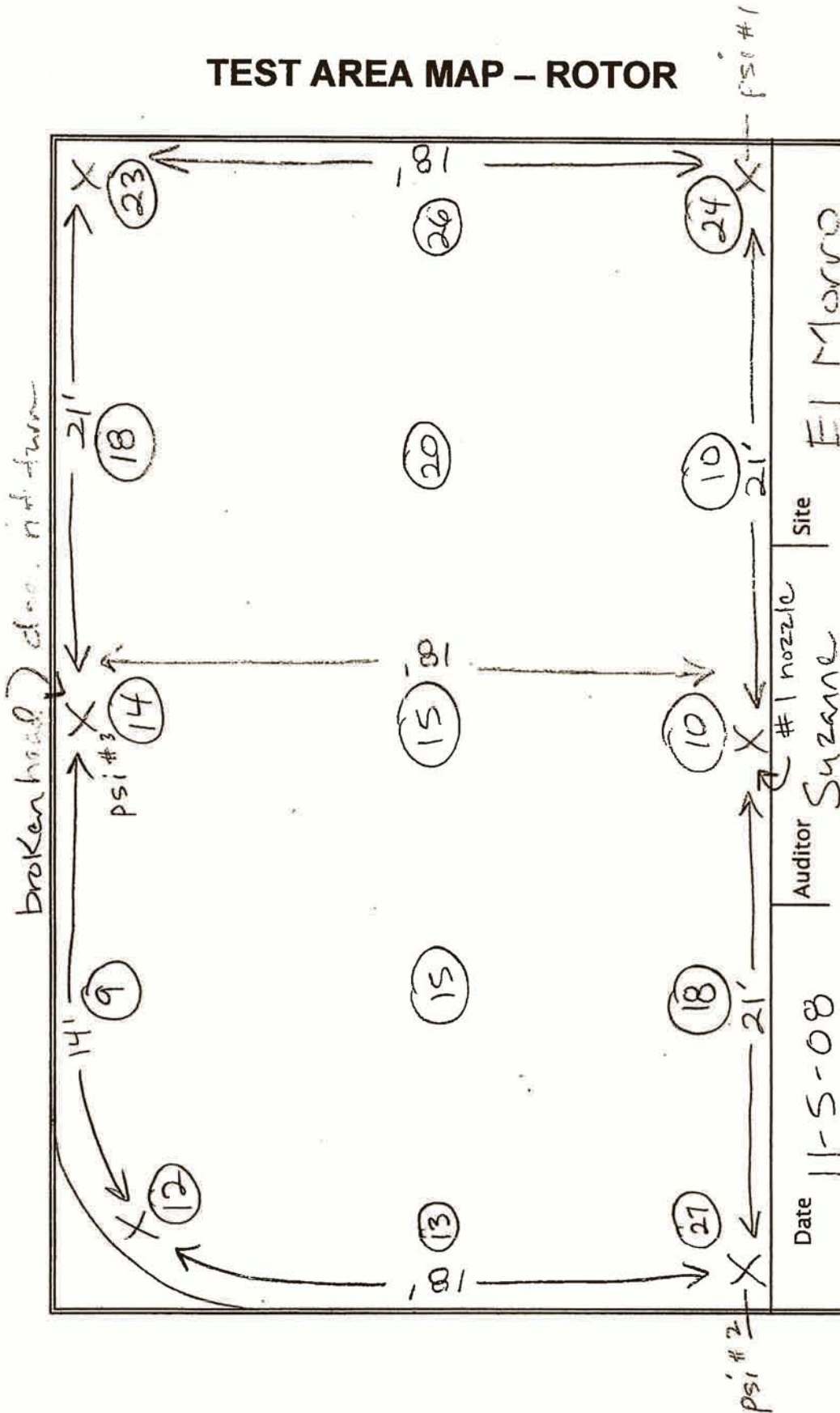
SITE NAME: EL Morro SUB AREA: _____ FILE NAME: _____

PLANT MATERIAL: C/S TURF W/S TURF GRD. COVER SHRUBS
 DENSITY FACTOR (K_d): HIGH AVG. LOW
 MICROCLIMATE FACTOR (K_{mc}): HIGH AVG. LOW Wind speed 3.6 mph max
 ROOT ZONE DEPTH: 4 INCH 3.1 " Avg.
 SOIL TYPE: CLAY LOAM SAND _____
 ZONE: OVERLAP STAND-ALONE 15 NUMBER OF CATCH DEVICES

STATION NUMBER						
CONTROLLER	<u>1</u>					
TESTING RUN TIMES	<u>5 min</u>					
CATCH DEVICE VOLUMES		BETWEEN*	BETWEEN	BETWEEN	BETWEEN	
Notes						
	<u>27</u>	<u>13</u>				
	<u>12</u>	<u>9</u>				
	<u>17</u>	<u>18</u>				
	<u>23</u>	<u>26</u>				
	<u>24</u>	<u>10</u>				
	<u>10</u>	<u>18</u>				
		<u>15</u>				
		<u>13</u>				
		<u>20</u>				
LINKING						
PRESSURE (psi)	<u>30</u>	<u>Avg.</u>				
SPACINGS (ft)	<u>See map</u>					

*The Between columns are used only when entering data into the software. They can be ignored when doing manual calculations.

Test Area Map Rotor



TEST AREA MAP - ROTOR

X - rotor sprinkler - All Hunter PGJ rotors have a #2 or (2.0 gpm) nozzle except the one sprinkler labeled w/ #1 (1 gpm) nozzle ...

⑩ - Catch-Device

DU AND PR CALCULATION WORKSHEET – ROTOR

Catchment Type: Catch can

Catchment Device Area (A_{CD}): 16.5 sq. in.

Can #1	<u>27</u>	#13	<u>15</u>	#25	_____	#37	_____	#49	_____	#61	_____
Can #2	<u>13</u>	#14	<u>15</u>	#26	_____	#38	_____	#50	_____	#62	_____
LQ Can #3	<u>12</u>	#15	<u>20</u>	#27	_____	#39	_____	#51	_____	#63	_____
LQ Can #4	<u>9</u>	#16	_____	#28	_____	#40	_____	#52	_____	#64	_____
Can #5	<u>14</u>	#17	_____	#29	_____	#41	_____	#53	_____	#65	_____
Can #6	<u>18</u>	#18	_____	#30	_____	#42	_____	#54	_____	#66	_____
Can #7	<u>23</u>	#19	_____	#31	_____	#43	_____	#55	_____	#67	_____
Can #8	<u>26</u>	#20	_____	#32	_____	#44	_____	#56	_____	#68	_____
Can #9	<u>24</u>	#21	_____	#33	_____	#45	_____	#57	_____	#69	_____
LQ Can #10	<u>10</u>	#22	_____	#34	_____	#46	_____	#58	_____	#70	_____
LQ Can #11	<u>10</u>	#23	_____	#35	_____	#47	_____	#59	_____	#71	_____
Can #12	<u>18</u>	#24	_____	#36	_____	#48	_____	#60	_____	#72	_____

Subtotals 204 50 _____

RUN TIME (t_R): 5 min TOTAL CATCH: 254 mL ÷ 15 = 16.93

L.Q. = 4 (9, 10, 10, 12 = 41) ÷ 4 = 10.25 mL V_{avg}

Calculating Distribution Uniformity (DU)

$$DU_{LQ} = \left(\frac{\text{Average Catch in Lower Quarter}}{\text{Average Catch Overall}} \right) \times 100$$

$$= \left(\frac{10.25 \text{ mL}}{16.93 \text{ mL}} \right) \times 100 = 61\%$$

DISTRIBUTION UNIFORMITY (DU) = 61 %

Calculating Precipitation Rate (PR)

$$PR_{net} = \frac{3.66 \times V_{avg}}{t_R \times A_{CD}}$$

$$= \frac{3.66 \times (16.93 \text{ mL})}{(5 \text{ min}) \times (16.5 \text{ in.}^2)} = \frac{61.96}{82.5} = .75$$

$$= \underline{.75 \text{ in./h}}$$

PRECIPITATION RATE (PR_{net}) = .75 in. / h

BASE SCHEDULE WORKSHEET – ROTOR

Site Name El Morro Date 11-5-08
 Site Location 870 El Morro Ave. Candidate ID # 006020
 Controller # 1 Station # 1 Reference Period 31 days (Nov.)

ITEM	SOURCE		VALUE	UNIT or FUNCTION
I. PLANT WATER REQUIREMENT				
A. PLANT MATERIAL	Audit of Planting Plan		costurf	classification
B. REFERENCE PERIOD	Judgment		31	days
C. REFERENCE ET (ET _o)	Various sources CIMIS		2.89	inches of water
D. LANDSCAPE COEFFICIENT (K _L)	K _a <u>.80</u> x K _d <u>1.0</u> x K _{mc} <u>1.0</u>		.8	plant specific multiplier
(Optional) ALLOWABLE STRESS	K _L ___ x K _{sa} ___			site specific multiplier
E. PLANT WATER REQUIREMENT (ET)	ET _o x K _L	C x D	2.31	inches 2.89 x .8
II. IRRIGATION WATER REQUIREMENT				
F. PRECIPITATION RATE (PR)	Audit or Calculation		.75	inches per hour
G. DISTRIBUTION UNIFORMITY (DU)	Audit or Estimate		.61	efficiency adjustment
H. IRRIGATION WATER REQUIREMENT	ET requirement	E/G	3.79	inches 2.31 ÷ .61
I. TOTAL RUN TIME per PERIOD	Irrig. water requirement/PR	(H/F) x 60	303	minutes 3.79 / .75 x 60 5.05 x 60
III. SCHEDULING REQUIREMENTS				
J. ROOT ZONE SOIL TYPE	Audit or Estimate		Sand	classification
K. AVAILABLE WATER (AW)	Table page 68		.06	inches per inch of soil
L. ACTIVE ROOT ZONE DEPTH	Audit or Estimate		4	inches
M. PLANT AVAILABLE WATER (PAW)	AW x active root zone	K x L	.24	inches
N. ALLOWABLE DEPLETION (AD)	PAW x MAD (see Table) .24 x .60		.14	budget multiplier
O. IRRIGATION DAYS PER PERIOD	Plant ET/AD 2.31 ÷ .14	E/N	16.5	days in a period
P. TOTAL RUN TIME per DAY	Total run-period/irrigation days per period	I/O	18.36	minutes 303 / 16.5
Q. RUN TIME per CYCLE	Calculation (IR/PR x 60) or Visual observation		48	minutes .61 / .75 x 60
R. CYCLES per DAY <u>less than 1</u>	Total run-day/run time-cycle	P/Q	.38	repeats to avoid runoff 18.36 / 48

Schedule - 31 days / 16.5 = 1.89 (round up to 2)
 run time / day = 18.36 min (round up to 20)
 Water every other day for 20 min.

SITE INSPECTION WORKSHEET #1 – SPRAY Station Data

Site Name Mar Vista Date 11-5-08
 Candidate ID # 006020 Sheet 1 of 1

Controller Identification	*																	
Station Number:	5	2	6															
Plant Material Type	CST	WST	SH															
Sprinkler Type	SPR	SPR	Drip															
Observed Problems:																		
Valve Malfunctions	no	NA	NA															
Low Pressure a little	OK																	
High Pressure	no																	
Tilted Sprinklers	no																	
Spray Deflection	no																	
Sunken Sprinklers	no																	
Plugged Equipment	no																	
Arc Misalignment	no																	
Low Sprinkler Drainage	no																	
Leaky Seals or Fittings	no																	
Lateral or Drip Line Leaks	no																	
Missing or Broken Heads	no																	
Slow Drainage or Ponding	no																	
Compaction/Thatch/Runoff	no	↓	↓															
Notes and Comments:	Cool season Turf	Warm season Turf	Shrubs on Drip															

SITE INSPECTION WORKSHEET #2 - SPRAY Controller Information

Candidate ID # 006020 Date 11-5-08
 Controller ID # D50505096 Sheet 1 of 1

Central Control	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Make and Model Number	<u>Weathermatic SL1600</u>
Age	<u>3 yrs</u>
Available Features:	
Number of Stations	<u>12 stations</u>
Minimum Run Time	<u>1 min</u>
Maximum Run Time	<u>9 hr - 55 min</u>
Percent Adjust Options	<u>yes (10 - 300%)</u>
Number of Programs	<u>4</u>
Cycles per Program	<u>8</u>
Stations per Program	<u>12</u>
Irrigation Days/Week Max.	<u>7</u>
Irrigation Hours/Day Max.	<u>24 hr</u>
Calendar Period (days)	<u>365 days</u>
Skip Day Period (max)	<u>30</u>
Cycle Soak	<u>yes (1 min - 2 hrs)</u>
Sensors Installed	<u>yes - SLW series on site weather monitor</u>
Sensors Capability	<u>Rain + Freeze pause functions</u>
Miscellaneous Items:	<u>NA</u>

DU AND PR CALCULATION WORKSHEET – SPRAY

Catchment Type: Catch can

Catchment Device Area (A_{CD}): 16.5 sq. in.

• Can #1	<u>12</u>	#13	<u>53</u>	#25	<u>50</u>	#37	_____	#49	_____	#61	_____
• Can #2	<u>18</u>	#14	<u>55</u>	#26	_____	#38	_____	#50	_____	#62	_____
• Can #3	<u>10</u>	#15	<u>40</u>	#27	_____	#39	_____	#51	_____	#63	_____
• Can #4	<u>30</u>	#16	<u>28</u>	#28	_____	#40	_____	#52	_____	#64	_____
• Can #5	<u>8</u>	#17	<u>35</u>	#29	_____	#41	_____	#53	_____	#65	_____
• Can #6	<u>12</u>	#18	<u>55</u>	#30	_____	#42	_____	#54	_____	#66	_____
• Can #7	<u>20</u>	#19	<u>45</u>	#31	_____	#43	_____	#55	_____	#67	_____
• Can #8	<u>35</u>	#20	<u>45</u>	#32	_____	#44	_____	#56	_____	#68	_____
• Can #9	<u>8</u>	#21	<u>50</u>	#33	_____	#45	_____	#57	_____	#69	_____
• Can #10	<u>20</u>	#22	<u>73</u>	#34	_____	#46	_____	#58	_____	#70	_____
• Can #11	<u>20</u>	#23	<u>20</u>	#35	_____	#47	_____	#59	_____	#71	_____
• Can #12	<u>35</u>	#24	<u>45</u>	#36	_____	#48	_____	#60	_____	#72	_____

Subtotals 270 551 50 _____ _____ _____

RUN TIME (t_R): 5 min TOTAL CATCH: 871 mL ÷ 25 = 34.84 V Avg.

L.Q. = 6 (12, 18, 10, 8, 12, 8 = 68) ÷ 6 = 11.33 mL - L.Q.

Calculating Distribution Uniformity (DU)

$$DU_{LQ} = \left(\frac{\text{Average Catch in Lower Quarter}}{\text{Average Catch Overall}} \right) \times 100$$

$$= \left(\frac{11.33 \text{ mL}}{34.84 \text{ mL}} \right) \times 100 = 33 \%$$

DISTRIBUTION UNIFORMITY (DU) = 33 %

Calculating Precipitation Rate (PR)

$$PR_{net} = \frac{3.66 \times V_{avg}}{t_R \times A_{CD}}$$

$$= \frac{3.66 \times (34.84 \text{ mL})}{(5 \text{ min}) \times (16.5 \text{ in.}^2)} = \frac{127.51}{82.5} = 1.55$$

$$= \underline{1.55} \text{ in./h}$$

PRECIPITATION RATE (PR_{net}) = 1.55 in./h

BASE SCHEDULE WORKSHEET SPRAY

Site Name Mar Vista Date 11-5-08
 Site Location 472 Mar Vista Dr. Candidate ID # 006020
 Controller # 1 Station # 5 Reference Period 31 days (110V)

ITEM	SOURCE		VALUE	UNIT or FUNCTION
I. PLANT WATER REQUIREMENT				
A. PLANT MATERIAL	Audit or Planting Plan		CST	classification
B. REFERENCE PERIOD	Judgment		31	days
C. REFERENCE ET (ET _o)	Various sources <u>CIMIS</u>		2.89	inches of water
D. LANDSCAPE COEFFICIENT (K _L)	K _e <u>.8</u> x K _d <u>1</u> x K _{mc} <u>1</u>		.8	plant specific multiplier
(Optional) ALLOWABLE STRESS	K _L <u> </u> x K _{as} <u> </u>			site specific multiplier
E. PLANT WATER REQUIREMENT (ET)	ET _o x K _L	C x D	2.31	inches <u>2.89 x .8</u>
II. IRRIGATION WATER REQUIREMENT				
F. PRECIPITATION RATE (PR)	Audit or Calculation		1.55	inches per hour
G. DISTRIBUTION UNIFORMITY (DU)	Audit or Estimate		.33	efficiency adjustment
H. IRRIGATION WATER REQUIREMENT	ET requirement	E/G	7	inches <u>2.31 / .33</u>
I. TOTAL RUN TIME per PERIOD	Irrig. water requirement/PR	(H/F) x 60	271.2	minutes <u>7 / 1.55 x 60</u> <u>4.52 x 60</u>
III. SCHEDULING REQUIREMENTS				
J. ROOT ZONE SOIL TYPE	Audit or Estimate		sand	classification
K. AVAILABLE WATER (AW)	Table		.06	inches per inch of soil
L. ACTIVE ROOT ZONE DEPTH	Audit or Estimate		4	inches
M. PLANT AVAILABLE WATER (PAW)	AW x active root zone	K x L	.24	inches
N. ALLOWABLE DEPLETION (AD)	PAW x MAD (see Table)		.14	budget multiplier <u>.24 x .60</u>
O. IRRIGATION DAYS PER PERIOD	Plant ET/AD	E/N	16.5	days in a period <u>2.31 / .14</u>
P. TOTAL RUN TIME per DAY	Total run-period/irrigation days per period	I/O	16.44	minutes <u>271.2 / 16.5</u>
Q. RUN TIME per CYCLE	Calculation (IR/PR x 60) or Visual observation		23.4	minutes <u>.6 / 1.55 x 60</u>
R. CYCLES per DAY	Total run-day/run time-cycle	P/Q	.7	repeats to avoid runoff, <u>16.44 / 23.4</u>

Schedule - $31 \text{ days} \div 16.5 = 1.88$ (roundup to 2)
 run time/day = 16.44 - round down to 10 min
 Water every other day for 10 min. or less
 It's being watered 3 days/wk for 10 min now

14 COMPLETED AUDIT WORKSHEETS MUST BE SUBMITTED WITH VERIFICATION FORM (14)

And looks great I think because of the low DU. I got a high ET and runtime/day.

Landscape Water Management

In Recognition of

Suzanne Morrison

*For Participating in the Landscape Water Management classes
Held at the Irrigation Training and Research Center
California Polytechnic State University
San Luis Obispo, California*

Landscape Irrigation Auditor

December 4-5, 2007

14.0 Contact Hours



A handwritten signature in black ink that reads "Stuart Styles". The signature is written in a cursive, slightly slanted style.

Dr. Stuart Styles, Director - ITRC

Landscape Irrigation Auditor

Day 1 - Continuing Education: 4.0 Hours - Other (Irrigation Water Management)
Accredited by the Department of Pesticide Regulation - Pesticide Enforcement (Code: A-0195-07)
Day 2 - Continuing Education: 4.0 Hours - Other (Irrigation Water Management)
Accredited by the Department of Pesticide Regulation - Pesticide Enforcement (Code: A-0196-07)

In Recognition of

Suzanne Morrison

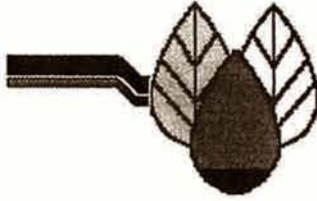
#20676

*For Participating in the Landscape Irrigation Auditor Short Course
Held at the Irrigation Training and Research Center
California Polytechnic State University
San Luis Obispo, California
December 4-5, 2007*



A handwritten signature in black ink that reads "Stuart Styles". The signature is written in a cursive, flowing style.

Stuart Styles
Director, ITRC



Center for Irrigation Technology

California State University, Fresno
5370 N. Chestnut Ave. M/S OF 18
Fresno, CA 93740-8021
(559) 278-2066 FAX (559) 278-6033
<http://www.cati.csufresno.edu/cit>

November 21, 2008

Mrs. Suzanne Morrison
Candidate ID #006020
472 Mar Vista Drive
Los Osos, CA 93402

Dear Mrs. Morrison:

We are pleased to inform you that the field audit you submitted has fulfilled the final requirement for the auditor program. Congratulations, you have completed all the requirements to become a Certified Landscape Irrigation Auditor. The Irrigation Association will be forwarding your credentials to you.

The Irrigation Association also has certifications for irrigation contractors and designers. The designer certification is divided into two general areas: landscape/turf or agriculture. Specialty areas offered in landscape/turf are commercial, golf course and residential. Specialty areas offered in agriculture are drip/micro-irrigation, sprinkler and surface. Beginning in late 2007 a water conservation manager in landscape will also be available.

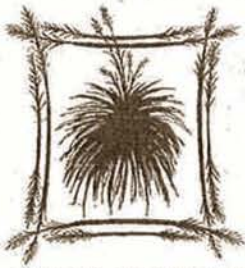
As a WaterSense partner, the Irrigation Association is pleased to inform you, a Certified Landscape Irrigation Auditor in good standing, of your eligibility to become an EPA WaterSense partner!

WaterSense is an Environmental Protection Agency initiative to promote water efficient products and services. WaterSense will increase public recognition of the benefits of hiring professionals who have earned WaterSense approved certifications. For more information and to apply to become a WaterSense partner visit <http://epa.gov/watersense/partners/eligibility.htm>

More information about these programs is available at the IA web site <http://www.irrigation.org> or contact Sherrie Schulte at (703) 536-7080. Please feel free to contact me at (559) 278-2066 if I can be of any further assistance regarding your examination.

Sincerely,

Kate Norum
CIT Test Administration



EARTHSCAPES

September Water Conservation Month

Water rationing is closer to home than you may think. Arroyo Grande has already used 99% of its total water supply in the past twelve months and has put in place several mandatory water conservation measures including water rationing. This shortage is not just a local issue; the state at large is in a time of severe drought.

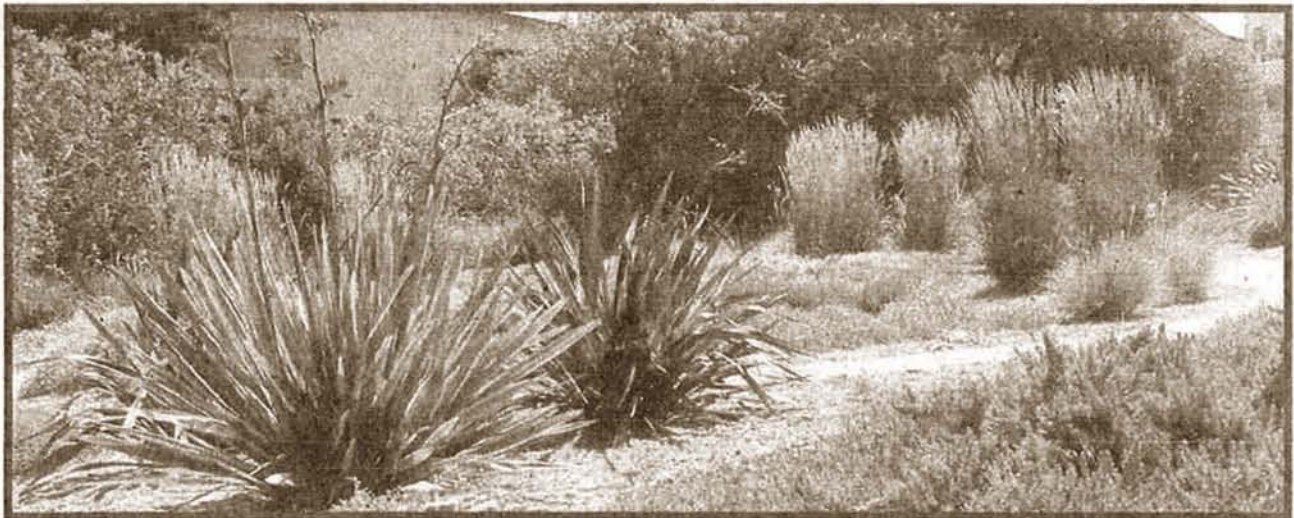
Whether you are designing a new landscape or renovating an old one, by following the principles outlined in this newsletter and consulting with landscape professionals, you will be able to create a beautiful landscape which satisfies your personal needs, adds value to your property, and conserves valuable resources. The ultimate goal of a resource efficient landscape is sustainability. The concept of sustainable landscaping examines the energy and resource inputs (i.e. water, materials, and labor) and outputs (i.e. water runoff, greenwaste, and pollution) and finds ways to minimize both. Applying the following principles will help create sustainable landscapes.

1. Planning and Design

- Create a "site plan" including all of the major elements existing on your property: your house, driveway, sidewalk, deck or patio, existing trees, etc. Take time to analyze your property and become familiar with its unique conditions such as sun, shade, slope, moisture, soil type and air movement. A detailed plan will help provide direction and will ensure that water-conserving techniques are coordinated and implemented in the landscape.

2. Soil Improvements

- Determine the type of soil found on your property. Clay soil is dense and slow to absorb and release water. Sandy soils hold little or no water. Adding soil amendments can help to improve the existing conditions by enabling your soil to better absorb water, to hold essential plant nutrients, and enhance root development.
- Select plants that are best adapted to your soil type.



A Sustainable Landscape

3. Efficient Irrigation

- Zone turf areas separately from other plantings and utilize an irrigation method that waters the plants in each area most efficiently. Be sure plants with similar water needs are grouped together.
- Utilize drip irrigation whenever possible. These systems apply water directly to the root system thus eliminating runoff and water loss due to over-spray, evaporation, and wind.
- Water less frequently and for longer periods of time. This will encourage deeper root systems which enable the plant to better withstand drought. Plants will also be less susceptible to pests such as disease and insect infestations; while their increased vigor will help to out compete weeds.
- Water plants between midnight and 6 a.m. Temperatures are cooler at this time and evaporation rates are much lower.
- Install a rain shut-off device or weather station to your irrigation controller. Your system will turn on and off in response to daily climate conditions.
- Irrigation schedules should be based on climate, soil type, and plant type.

4. Zoning of Plants

- Different areas of the yard receive varying amounts of light, wind, and moisture. To minimize water waste, group together plants with similar light and water requirements into areas of the yard that satisfy these requirements.
- Put high water-use plantings in low lying drainage areas, near downspouts, in the shade of other plants, or in places with easy access to a water supply. Place low-water-use plants in areas that are drier and sunnier.

5. Mulches

- Mulches reduce weed growth, conserve soil moisture, recycle nutrients, reduce soil compaction, and moderate soil temperatures.
- Organic mulches such as wood chips or shredded bark should be applied at least 3 inches deep because they decompose over time.
- If inorganic mulches are utilized, such as rock or gravel, avoid placing it next to the house on the sunny south or west sides. These materials tend to retain and radiate heat. Inorganic mulches rarely need replacing and are good for use in flat, windy areas.
- Mulches are a necessity when using drip irrigation. It covers the drip tubing which keeps it from being exposed to U.V rays, which over time will deteriorate the poly tubing.

6. Turf Alternatives

- Eliminating or minimizing turf is a good idea because turf requires constant inputs of water, pesticides, fertilizers and labor. Select drought tolerant turf grasses such as tall fescues or fine fescues.
- Limit turf to small functional areas that are easy to irrigate.

7. Appropriate Maintenance

- Regular maintenance will help to preserve the beauty of your landscape. Weeding, proper irrigation, pruning, fertilizing, and pest control will help keep your landscape beautiful and sustainable.

Resources

- www.h2ouse.net • www.water.ca.gov/drought/ • www.msnbc.msn.com/id/26208915/
- Today's Landscapes by The City of San Luis Obispo Water Conservation Office and The Atascadero Mutual Water Company



ARBORS HUCKLEBERRY LAWN

PROPOSED LAWN CHANGE COMPARISONS

	Existing Lawn	Proposed Renovation Plan I	Proposed Renovation Plan II
Annual Water Usage Costs	\$3,286.00	\$1,676.23	\$672.00
Year 1 (Grow-In) Water Costs		\$1,881.16	\$1,008.68
Annual Turf Renovation Costs	\$4,800.00		
Total Annual Costs (Less Maintenance)	\$8,086.00	\$1,676.23	\$672.00
Proposed Construction Costs		\$40,290.00	\$51,394.00
Number of Years to Cover Proposed Construction Costs (compared to present costs)		$\$40,290 / \$8,086 = 4.98$ years	$\$51,394 / \$8,086 = 6.36$ years
Annual Savings (proposed renovations compared to existing lawn)		$\$8,086.00 - \$1,676.23 =$ \$6,409.77	$\$8,086.00 - \$672.00 =$ \$7,414.00

P.O. Box 5405, San Luis Obispo, CA 93403 (805) 545-9600 www.earthscapes.biz



Date: 8/12/08

Carolyn Smith
1242 Sumac Ct.
San Luis Obispo, CA 93401

Huckleberry New Design Water Usage Comparisons

Plan I New Landscape Design (with Lawn)

Year 1 @ 3 Days per week

- Total water usage for shrubs= 88,296 gallons
- Total water usage for lawn = 180,414 gallons
- **Total water usage for Year 1 = 268,710 gallons**
 - $268,710 / 748 \text{ g/unit} = 359 \text{ units} * \$5.24 / \text{unit} = \$1881.16 \text{ per year}$

Year 2 @ 2 Days per week

- Total water usage for shrubs = 58,864 gallons
- Total water usage for lawn (3 days per week) = 180,414
- **Total water usage for Year 2 = 239,278 gallons**
 - $239,278 / 748 \text{ g/unit} = 319.9 \text{ units} * \$5.24 / \text{unit} = \$1676.23 \text{ per year}$

Plan II New Landscape Design

Year 1 @ 3 Days per week

- Total water usage = 143,988 gallons
 - $143,988 / 748 \text{ g/unit} = 192.5 \text{ units} * \$5.24 / \text{unit} = \$1008.68 \text{ per year}$

Year 2 @ 2 Days per week

- Total water usage = 95,992 gallons
 - $95,992 / 748 \text{ g/unit} = 128.3 \text{ units} * \$5.24 / \text{unit} = \$672.29 \text{ per year}$

***Existing shrub water use = 207,864 gallons per year**

- $207,864 / 748 \text{ g/unit} = 277.89 \text{ units} * \$5.24 / \text{unit} = \$1456.16 \text{ per year}$



Date: 8/12/08

Carolyn Smith
 1242 Sumac Ct.
 San Luis Obispo, CA 93401

2007 / 2008 Huckleberry Lawn Water Usage

Meter Readings:

Date:	Units Used:
6/25/08	75
5/28/08	71
4/28/08	61
3/27/08	18
2/28/08	8
1/29/08	13
12/26/07	96
11/20/07	91
10/23/07	101
9/24/07	132
8/23/07	116
7/25/07	123

Total Units for 12 month time period = 905 units

- 905 units * 748 g/unit = 676,940 g/year
- Water Audit = 469,076 g/year for existing lawn
- 676,940 (total) - 469,076 (lawn) = 207,864 g/year for existing shrubs

627 units

*Cost for existing lawn = 469,076 / 748 g/unit * \$5.24 /unit = **\$3286.04 per year**

*Cost for exiting shrubs = 207,864 / 748 g/unit * \$5.24/unit = **\$1456.16 per year**

Existing Landscape Water Use Cost = \$3286.04 + \$1456.16 = \$4742.20 per year



Date: 8/12/08

Carolyn Smith
1242 Sumac Ct.
San Luis Obispo, CA 93401

2008 / 2009 Huckleberry Lawn Renovation Cost Comparisons

- Aeration (2x/yr. @ \$480 each) Huckleberry lawn **\$960.00/yr.**
- Wetting agent applied to Huckleberry lawn during non-rainy season (approx. 4x/yr. @ \$270 each) **\$1080.00/yr.**
- Overseed and top dress Huckleberry lawn 1x/yr. **\$1680.00/yr**
 - (Overseed w/fescue @ 4lbs./1000 sq.ft.)
- Fertilization of all turf 6x/yr. **\$1080.00/yr.**
 - (As recommended by Chris Stier, PCA)

Total cost per year for above items: \$4800.00

The City's monthly charge per billing unit:
 (1 unit = 100 cubic feet = 748 gallons)

\$/unit

Single Family Residential Customers	Inside City	Outside City
1 to 5 ccf	\$4.19	\$8.38
6 to 25 ccf	\$5.24	\$10.48
26+ ccf	\$6.57	\$13.14
All Other Customers		
1 to 5 ccf	\$4.19	\$8.38
6+ ccf	\$5.24	\$10.48

A 5% utility users tax is applied to the water portion of the bill.



Current Sewer Rates

Effective 7/1/08

Billed every month, the City's monthly charge is:

Type of Building	Monthly
Single Family Residence (includes single metered condo's and townhouses)	<p>Minimum charge: \$5.50 per dwelling unit</p> <p>Volume charge per unit: \$5.56</p> <p>Total monthly fee capped based on average winter water consumption (AWWC)</p>



EARTHSCAPES
 PO Box 5405
 San Luis Obispo, CA 93403
 805/545-9600
 www.earthscapes.biz

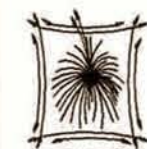
	Estimate
Date	Estimate #
8/12/2008	2008-134
Contractor's License #882571	

Islay Hill O.A.
 c/o Yost Management
 2251 Broad St.- Suite C
 San Luis Obispo, CA 93401

		Project
Description	Total	
Plan one design with some lawn remaining		
Planting: as per plan one design		8,575.00
Demolition of existing lawn (except the portion to remain), excavation needed for pathways and picnic tables, and grading for new landscaping.		3,725.00
DG Pathways and picnic table areas as per plan		6,200.00
Irrigation system for new landscaping (drip) and renovation of sprinklers for lower lawn area.		4,700.00
Bark mulch for new landscaping (Gorilla hair)		9,000.00
Picnic tables and trash cans (4) each, as per plan. Tables and trash cans by Wabash Valley, installed by Earthscapes.		8,000.00
Please let us know how you would like to proceed. Thank you!	Total	\$40,200.00

Customer Phone	543-8321
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Signature _____



EARTHCAPES
(805) 528-852

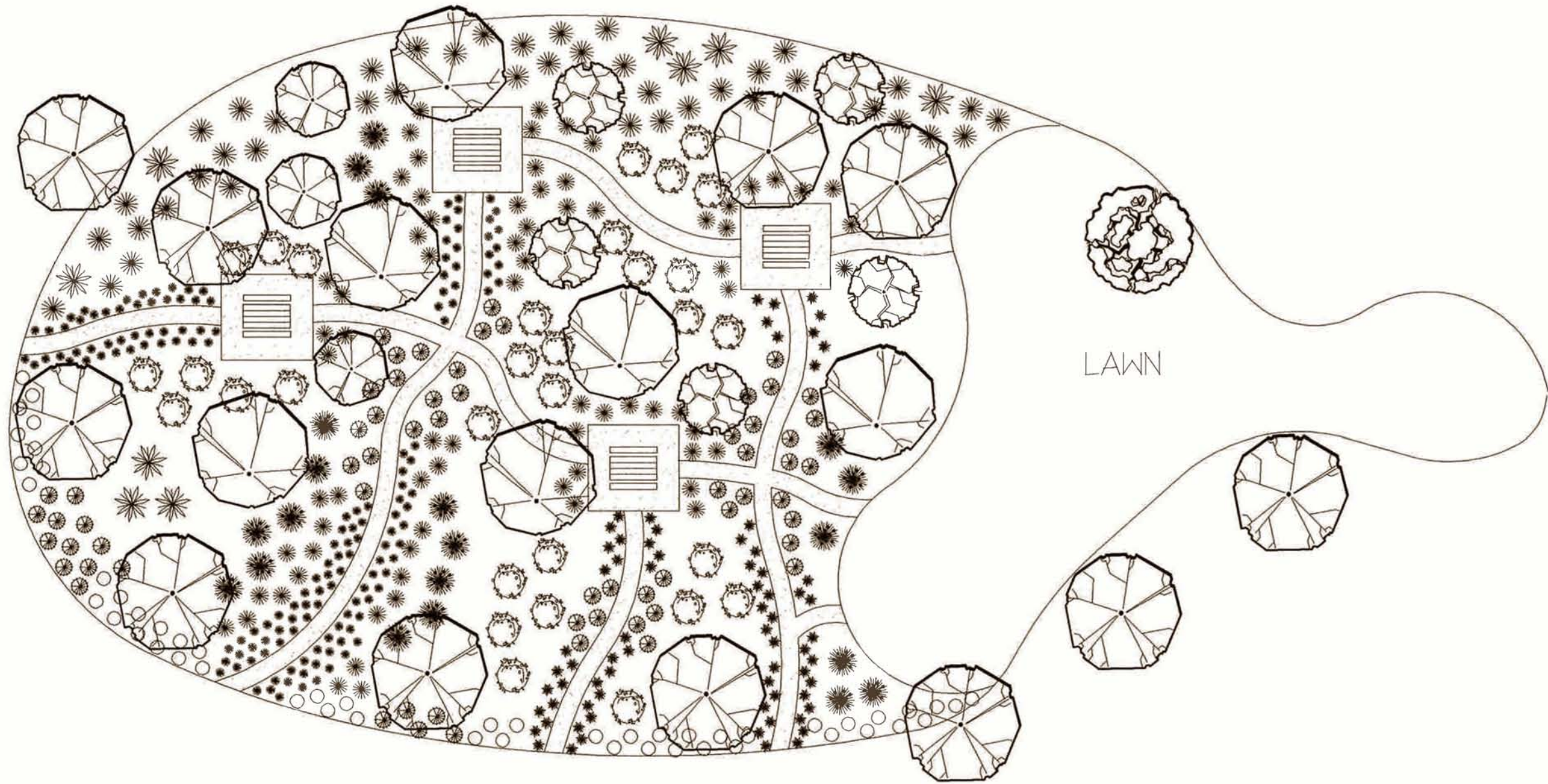
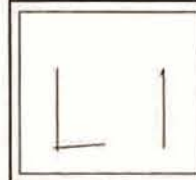
DESIGNED BY:

PROJECT NAME
ARBORS
HUCKLEBERRY LAWN RENOVATION

SHEET TITLE
PLAN I

DATE
August 6, 2008

SCALE
1" = 20'-0"



Pathways & picnic areas constructed of decomposed granite.



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San Luis Obispo, CA 93403
 805/545-9600
 www.earthscapes.biz

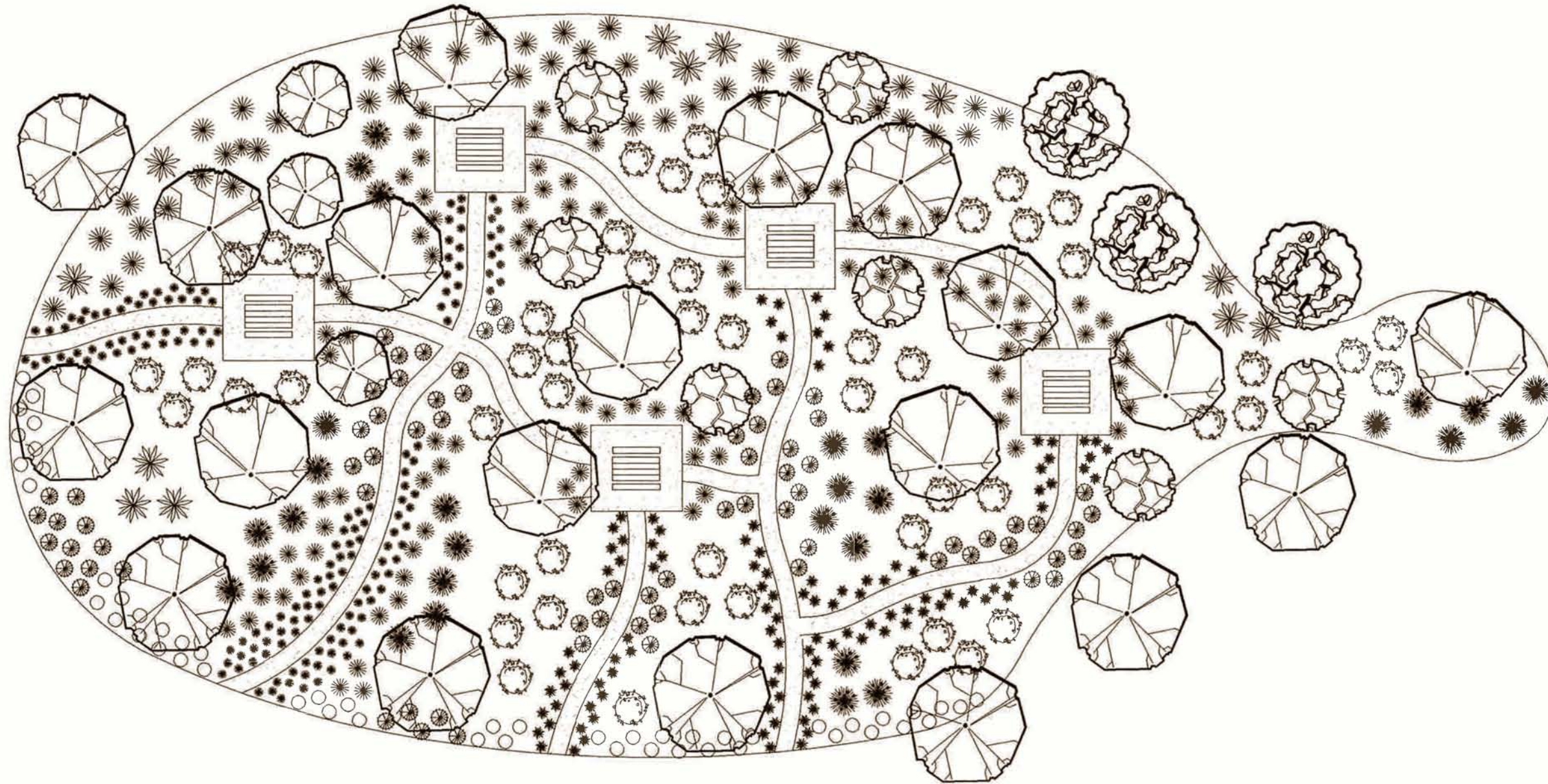
	Estimate
Date	Estimate #
8/12/2008	2008-135
Contractor's License #882571	

Islay Hill O.A.
c/o Yost Management
2251 Broad St.- Suite C
San Luis Obispo, CA 93401

	Project
Description	Total
Plan two design with no lawn	
Planting: as per plan two design	12,200.00
Demolition of existing lawn, excavation needed for pathways and picnic tables, and grading for new landscaping.	4,400.00
DG Pathways and picnic table areas as per plan.	7,750.00
Irrigation system for new landscaping (drip)	5,500.00
Bark mulch for new landscaping (Gorilla hair)	11,625.00
Picnic tables and trash cans (5) each, as per plan. Tables and trash cans by Wabash Valley, installed by Earthscapes. 3 regular 8 ft. tables and 2 ADA 8 ft. tables.	10,000.00
Please let us know how you would like to proceed. Thank you!	
Total	\$51,475.00

Customer Phone	543-8321
-----------------------	----------

Signature _____



Pathways & picnic areas constructed of decomposed granite.



EARTHSCAPES
(805) 528-852

DESIGNED BY:

PROJECT NAME
ARBORS
HUCKLEBERRY LAWN RENOVATION

SHEET TITLE
PLAN II

DATE
August 6, 2006

SCALE
1" = 20'-0"

