

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL COAST REGION**

81 Higuera Street, Suite 200
San Luis Obispo, California 93401-5427

ORDER NO. 94-08

**WATER RECLAMATION REQUIREMENTS
FOR
ROBERT LOUIS STEVENSON SCHOOL
(BASEBALL, FOOTBALL, AND SOFTBALL FIELDS),
MONTEREY COUNTY
PRIMARY USER OF RECLAIMED WATER**

The California Regional Water Quality Control Board, Central Coast Region (hereafter Board), finds:

1. P. Kay Burbidge, Business Manager, filed a Report of Waste Discharge on July 13, 1993, in accordance with Sections 13260 and 13522.5 of the California Water Code. The report was filed on behalf of Robert Louis Stevenson School for authorization to use reclaimed water from the Carmel Area Wastewater District (CAWD) Reclamation Facility.
2. CAWD, (Rio Road, Carmel, Monterey County) owns and operates the Water Reclamation Facility which will provide reclaimed water to the user. The Reclamation Facility is located at the CAWD's wastewater treatment plant. Waste Discharge Requirements Order No. 93-72 were adopted by the Board on September 10, 1993 and regulates the Water Reclamation Facility.
3. Treatment of secondary effluent by CAWD will consist of coagulation, flocculation, filtration and disinfection.
4. Robert Louis Stevenson School (hereafter User) will use reclaimed water supplied by CAWD to irrigate Robert Louis Stevenson School's baseball, football, and softball fields. Proposed Order No. 94-08 will regulate the use of reclaimed water.
5. CAWD will pump tertiary treated water to a 2.5 million gallon storage tank located adjacent to Poppy Hills Golf Course. The storage tank will serve as a distribution center as well as provide the hydraulic head requirement for the reclaimed water irrigation system.
6. An average monthly discharge rate of 3,000 gallons per day will be used by each athletic field. Discharge areas are shown on Attachment "A", Attachment "B1", and Attachment "B2" of this Order.
7. The Water Quality Control Plan, Central Coast Basin (Basin Plan) was adopted by the Board on November 17, 1989. The Basin Plan incorporates statewide plans and policies by reference and contains a strategy for protecting beneficial uses of State waters.
8. Title 22, Chapter 3 of the California Code of Regulations specifies State Department of Health Services' criteria for treatment and use of reclaimed water. The Board has consulted with the State and County Health Departments regarding these reclamation requirements.

9. The Carmel Area Wastewater District, as lead agency for the Carmel Area Wastewater District and Pebble Beach Community Services District, certified a final Environmental Impact Report for this project on October 4, 1989, in accordance with the California Environmental Quality Act (Public Resources Code, Section 21000, et seq.) and the California Code of Regulations.
10. Discharge of waste is a privilege, not a right, and authorization to discharge is conditional upon the discharge complying with provisions of Division 7 of the California Water Code and any more stringent effluent limitations necessary to implement water quality control plans, to protect beneficial uses, and to prevent nuisance. Compliance with this Order should assume this and mitigate any potential adverse changes in water quality due to discharge.
11. On November 3, 1993, the Board notified the User and interested agencies and persons of its intent to issue waste discharge requirements for the discharge and has provided them with a copy of the proposed Order and an opportunity to submit written views and comments.
12. After considering all comments pertaining to this discharge during a public hearing on February 11, 1994, this Order was found consistent with the above findings.

IT IS HEREBY ORDERED, pursuant to authority in Section 13263 of the California Water Code, Robert Louis Stevenson School, its agents, successors, and assigns, may discharge reclaimed water at Robert Louis Stevenson School's baseball, football, and softball fields providing compliance is maintained with the following requirements.

Requirements specified in the proposed Orders are based on staff's professional judgement and the following documents:

- A = California Code of Regulations, Title 22
 B = Basin Plan
 C = Administrative Procedures Manual (SWRCB)
 D = Draft Guidelines for Use of Reclaimed Water (DHS)
 E = Standard Provisions and Reporting Requirements (RWQCB)

Throughout the proposed Orders and Monitoring and Reporting Program (MRP) footnotes are included to indicate the source of specified requirements. Requirements not referenced are based on professional judgement.

A. PROHIBITIONS

1. Discharge of reclaimed water to areas other than the irrigation areas shown in Attachment A, is prohibited.*^D
2. Discharge of reclaimed water not in compliance with Title 22, Division 4, Chapter 3, Article 4, Section 60313 of the California Code of Regulations (adequately oxidized, coagulated, clarified, filtered, disinfected wastewater, or a wastewater treated by a sequence of unit processes that will assure an equivalent degree of treatment and reliability), is prohibited.^{A,B}

*For the purposes of this prohibition, insignificant amounts of runoff from the extreme peripheries of spray irrigated areas shall not be considered a violation of this Order provided that the runoff is minimal and that the User utilizes good irrigation practices.

B. RECLAMATION SPECIFICATIONS

1. The User shall receive reclaimed water only from the Carmel Area Wastewater Reclamation Facility owned by CAWD. CAWD shall store reclaimed water only in the 2.5 million storage tank located adjacent to Poppy Hills Golf Course.

2. Reclaimed water shall be contained within the athletic field irrigation areas shown on Attachment "A", Attachment "B1", and Attachment "B2" without overflow, overspray or bypass to adjacent drainageways, properties or stormdrains.^D
3. Reclaimed wastewater shall not be applied within 100 feet of any well used for domestic purposes.
4. Reclaimed wastewater shall not be applied within 25 feet of any buildings or other facilities where people may congregate and experience health risk due to reclaimed water use.
5. Irrigation with reclaimed water shall occur at a time and in a manner to prevent or minimize public contact with reclaimed water and to allow irrigated areas maximum opportunity to dry before use. Drinking fountains shall be protected from direct or windblown spray of reclaimed water.^D
6. All reclamation areas with public access shall be posted to warn the public that reclaimed water is being used.^D
7. Personnel involved in producing, transporting or using reclaimed water shall be informed of possible hazards associated with contact or use of reclaimed water.^D
8. Tank trucks used for transporting reclaimed water shall be appropriately labeled and shall not leak.^D
9. Reclaimed water valves, outlets etc. shall be marked to differentiate reclaimed water facilities from potable water facilities. Proper backflow and cross-connection protection for domestic water services and irrigation wells shall be provided.^D
10. Reclaimed water valves, outlets, quick couplers and sprinklers shall be of a type,

or secured in a manner, that permits operation only by authorized personnel. Use or installation of hose bibs on the reclaimed water system shall not be permitted.^D

11. Reclaimed water shall be applied at a rate and volume not to exceed vegetative demand and soil moisture holding conditions. Special precautions must be taken to prevent clogging of spray nozzles, over watering and ponding, and to minimize runoff. Pipelines shall be maintained to prevent leaks.^D
12. Reclaimed water shall not be used for irrigation during periods of extended rainfall and/or runoff.
13. Reclaimed water systems shall be inspected daily, according MRP No. 94-08, to assure proper operation, absence of leaks and absence of illegal connections.

C. GROUND WATER LIMITATIONS

1. The discharge shall not cause a significant increase of mineral constituent concentrations in underlying ground waters.
2. The discharge shall not cause concentrations of chemicals and radionuclides in groundwater to exceed limits set forth in Title 22, Chapter 15, Articles 4, 4.5, 5 and 5.5 of the California Code of Regulations.^B

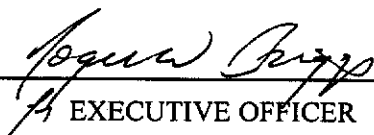
D. PROVISIONS

1. The User shall comply with "Monitoring and Reporting Program No. 94-08," as specified by the Executive Officer.^C
2. The Regional Board shall be allowed:^E

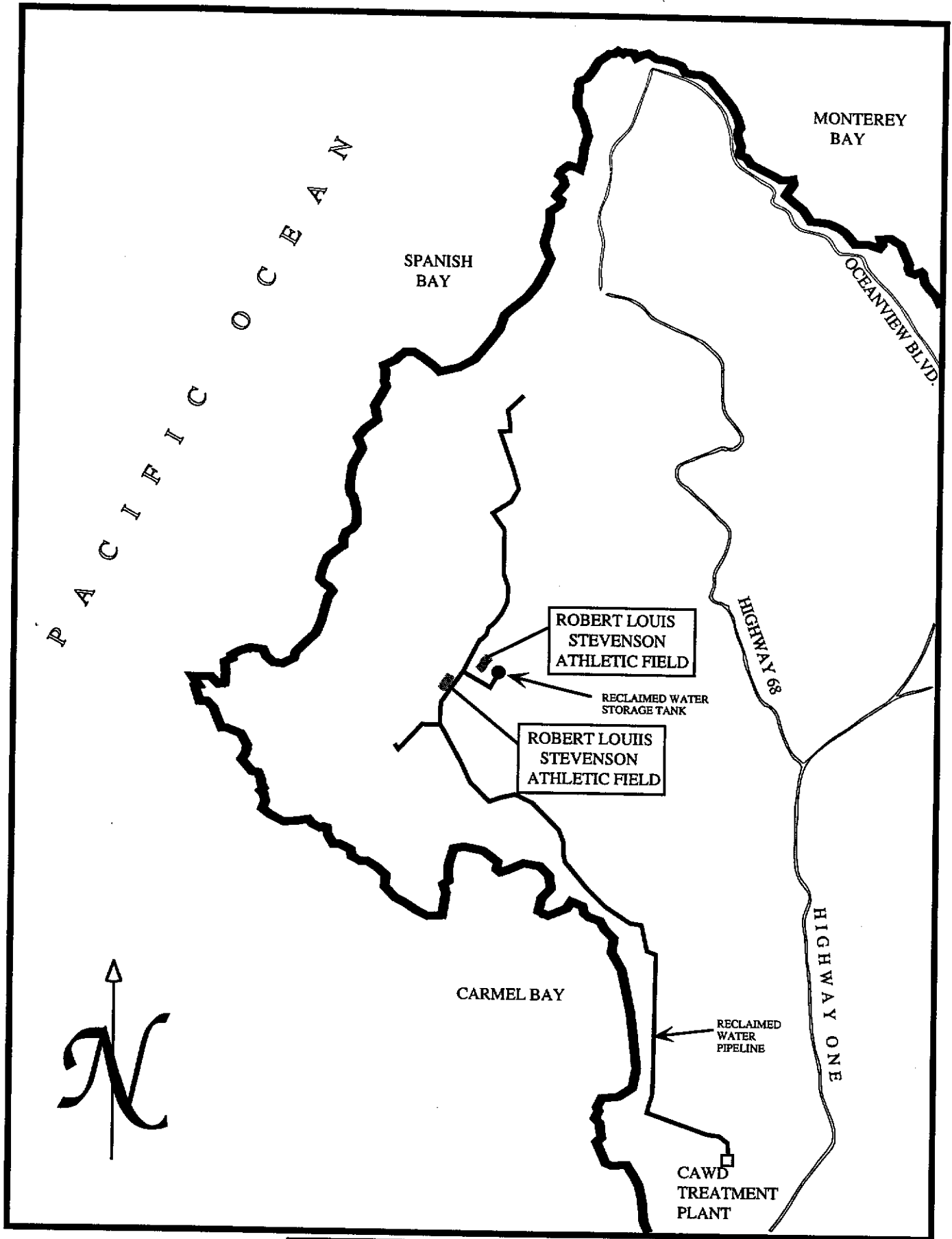
- a. entry upon premises where records must be kept under the conditions of this Order;
 - b. access to copy any records that must be kept under the conditions of this Order;
 - c. to inspect any facility, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Order; and,
 - d. to photograph, sample, and monitor for the purpose of showing compliance with this Order.
3. After notice and opportunity for a hearing, this Order may be terminated or modified for cause, including, but not limited to:^E
- a. violation of any term or condition contained in this Order;
 - b. obtaining this Order by misrepresentation, or by failure to disclose fully all relevant facts;
 - c. a change in any condition or endangerment to human health or environment that requires a temporary or permanent reduction or elimination of the authorized use; and,
 - d. a material change in character, location, or volume of the reclaimed wastewater.
- 4. This Order does not authorize commission of any act causing injury to the property of another, does not convey any property rights of any sort, does not remove liability under federal, state, or local laws.^E
 - 5. The User shall take all reasonable steps to minimize or correct adverse impacts on the environment resulting from non-compliance with this order.^E
 - 6. Provisions of this Order are severable. If any provision of the order is found invalid, the remainder of the Order shall not be affected.^E
 - 7. The User shall furnish, within a reasonable time, any information the Regional Board may request to determine compliance with this Order or to determine whether cause exists for modifying or terminating this Order.^E
 - 8. Pursuant to Title 23, Division 3, Chapter 9, of the California Code of Regulations, the Discharger must submit a written report to the Executive Officer not later than September 1, 1998, addressing:^C
 - a. Whether there will be changes in the continuity, character, location, or volume of the discharge; and,
 - b. Whether, in their opinion, there is any portion of the Order that is incorrect, obsolete, or otherwise in need of revision.

I, **WILLIAM R. LEONARD**, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, Central Coast Region, on February 11, 1994.

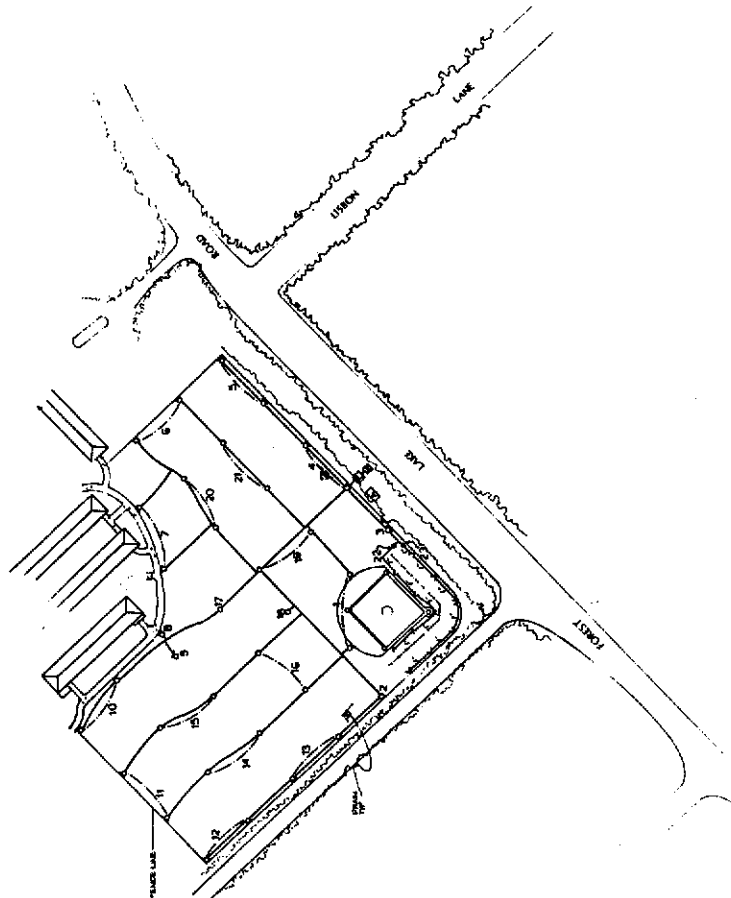
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 EXECUTIVE OFFICER

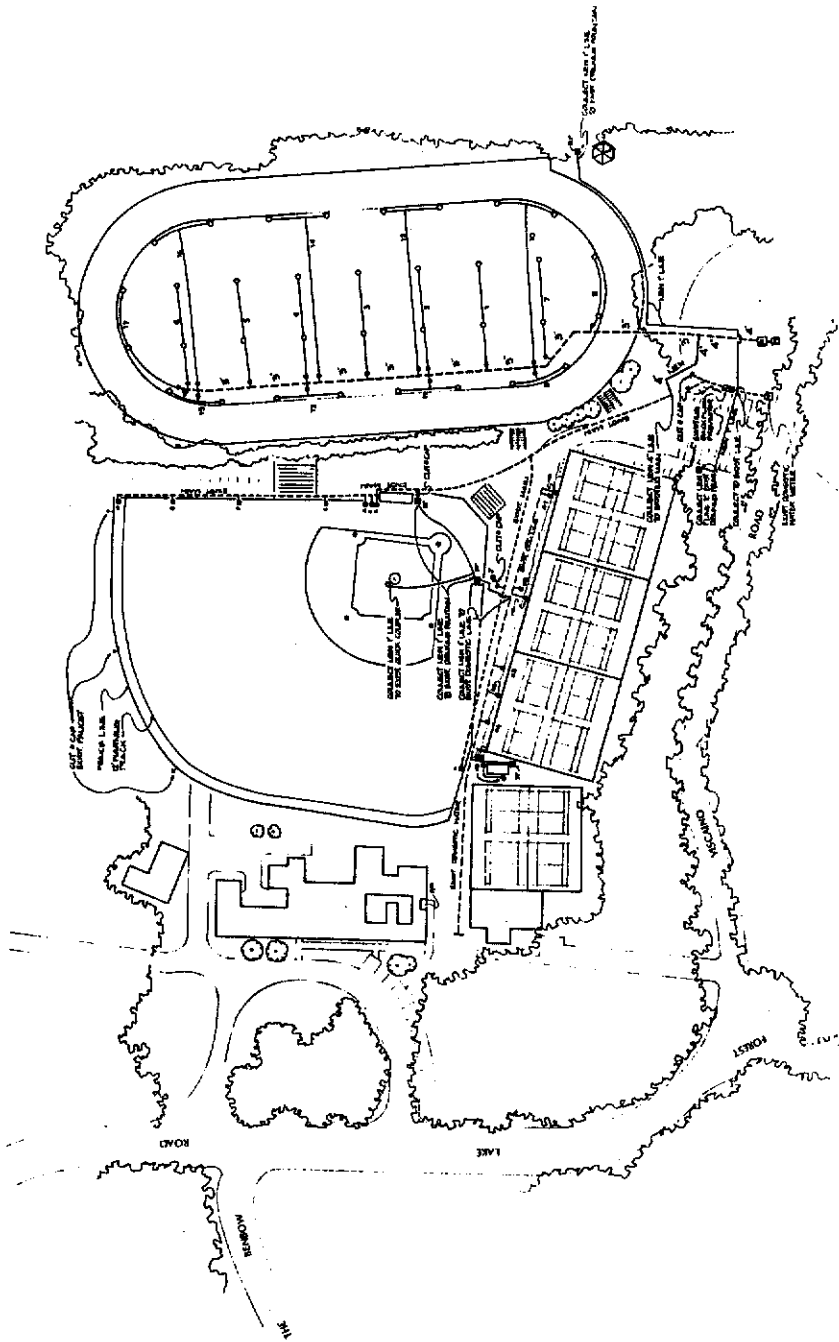


ATTACHMENT "A"



ATTACHMENT "B1"

CONTRACT # - IRRIGATION SYSTEM MODIFICATIONS ROBERT LOUIS STEVENSON SCHOOL SOFT BALL FIELD		SHEET NO. 26 OF 26 SHEETS										
CARMEL AREA WASTEWATER DISTRICT CAWD/PBCSD WASTEWATER RECLAMATION PROJECT		ES ENGINEERING-SCIENCE <small>INCORPORATING ARCHITECTURE</small> <small>10000 N. CENTRAL AVENUE, SUITE 100, SAN JOSE, CA 95131</small>										
GORDONS <small>ENGINEERING CONSULTING</small> <small>1000 N. MARKET STREET, SUITE 200, SAN JOSE, CA 95128</small> <small>TEL: (415) 938-1000 FAX: (415) 938-1001</small>		<table border="1"> <tr> <td>DATE</td> <td>SCALE</td> </tr> <tr> <td>PROJECT #</td> <td>DATE</td> </tr> <tr> <td>DESIGNED BY</td> <td>DATE</td> </tr> <tr> <td>CHECKED BY</td> <td>DATE</td> </tr> <tr> <td>APPROVED BY</td> <td>DATE</td> </tr> </table>	DATE	SCALE	PROJECT #	DATE	DESIGNED BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE
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ATTACHMENT "B2"

CONTRACT 4 - IRRIGATION SYSTEM MODIFICATIONS ROBERT LOUIS STEVENSON SCHOOL ATHLETIC FIELDS		27 <small>OF 28 SHEETS</small>
CARMEL AREA WASTEWATER DISTRICT <small>CAMP/PBCSD WASTEWATER RECLAMATION PROJECT</small>		ES ENGINEERING-SCIENCE <small>INCORPORATING CONSULTING</small> <small>10000 S. RIVER ST. SUITE 100</small> <small>INDIANAPOLIS, IN 46240-1399</small> <small>PHONE: (317) 424-1100</small> <small>FAX: (317) 424-1102</small>
GORDONS <small>INCORPORATING CONSULTING</small> <small>10000 S. RIVER ST. SUITE 100</small> <small>INDIANAPOLIS, IN 46240-1399</small> <small>PHONE: (317) 424-1100</small> <small>FAX: (317) 424-1102</small>		
SHEET NO. 4	PROJECT NO. 06-232	DATE 1/27/17
DRAWN BY J. B.	CHECKED BY J. B.	PROJECT NO. 06-232
SCALE AS SHOWN	PROJECT NO. 06-232	DATE 1/27/17

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL COAST REGION**

**MONITORING AND REPORTING PROGRAM NO. 94-08¹
FOR
ROBERT LOUIS STEVENSON SCHOOL
(BASEBALL, FOOTBALL, AND SOFTBALL FIELDS)
MONTEREY COUNTY**

RECLAMATION AREA MONITORING

1. The reclamation area shall be inspected daily for proper sprinkler operation, runoff, erosion, saturated surface areas, and odors. Evidence of any condition of this nature shall be reported to the Executive Officer within 24 hours of knowing of such conditions, and promptly investigated and remedied. A record shall be kept of dates and nature of observations and remedies. A summary of any problems found at the spray disposal sites and corrective actions taken shall be included in each monitoring report.
2. The quantity of reclaimed water used shall be metered daily. The User shall conduct a monthly review of the reclaimed water meter readings to pinpoint unusual usage, with follow-up investigations if patterns change dramatically.
3. The User shall maintain records of all water use including the date and individual who recorded the information. Records shall be maintained for a minimum of three years. This period may be extended during the course of any unresolved litigation or when requested by the Board.

REPORTING

1. Any noncompliance that may endanger health or the environment shall be reported orally within 24 hours from the time the discharger becomes aware of the circumstances (telephone: 805-549-3147). Unless waived by the Executive Officer of the Regional Board, a written report shall be submitted within five (5) days of awareness and shall contain a description of the non-compliance and its cause; the period of non-compliance (including exact dates and times) or anticipated duration; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the non-compliance.
2. Should the User discover that it failed to submit any relevant facts or that it submitted incorrect information in a report, it shall promptly submit the missing or correct information.
3. All reports shall be signed by their duly authorized representative.
4. Any person signing a report makes the following certification, whether it is expressed or implied:

¹Items in the Monitoring and Reporting requirements are derived from applicable sections of "Standard Provisions and Reporting Requirements."

5. "I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment."
6. The User must comply with all conditions of this Order. Non-compliance violates state law and is grounds for enforcement action or modification of the existing order.
7. Transfer of control or ownership of the facility must be preceded by a notice to the Regional Board at least 30 days in advance of the proposed transfer date. The notice must include a written agreement between the existing User and proposed User containing a specific date for transfer of responsibility, coverage, and liability between them. Whether an Order may be transferred without modification and a public hearing is at the discretion of the Board. If Order modification is necessary, transfer may be delayed 120 days after the Regional Boards receipt of a complete Report of Waste Discharge.
8. Any person failing or refusing to furnish technical or monitoring program reports as required by subdivision (b) of section 13267 of the California Water Code, or falsifying any information provided therein, is guilty of a misdemeanor.
9. The User and any person who violates waste discharge requirements and/or who intentionally or negligently discharges waste or causes or permits waste to be deposited where it is discharged into surface waters of the state may be liable for civil and/or criminal remedies, as appropriate, pursuant to sections 13350, 13385, and 13387 of the California Water Code.
10. Reports shall be submitted quarterly by the 30th of the month (January, April, July, And October) and shall contain all data collected over the previous quarter. It shall also contain a narrative summary of any exceptions pursuant to Reclamation Area Monitoring described above.
11. The User shall submit reports to the:
- California Regional Water Quality Control Board
Central Coast Region
81 Higuera St., Suite 200
San Luis Obispo, CA 93401- 5427

ORDERED BY



EXECUTIVE OFFICER

February 11, 1994

Date