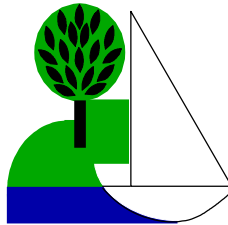


CITY OF FOSTER CITY



**REQUEST FOR PROPOSAL
FOR PROFESSIONAL ENGINEERING SERVICES
FOR
LAGOON DREDGE SURVEY**

**PROPOSAL SUBMITTAL DEADLINE:
THURSDAY, FEBRUARY 5, 2025, at 4:00PM**

RETURN PROPOSAL TO:

Ryan Marquez
Senior Civil Engineer
rmarquez@fostercity.org
650-286-3588

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REQUEST FOR PROPOSAL
FOR PROFESSIONAL ENGINEERING SERVICES
FOR
LAGOON DREDGE SURVEY

SECTION I. INTRODUCTION

The City of Foster City (City) is seeking a consultant team to provide professional engineering services for a Survey of accumulated sediment in the Lagoon. To that end, the City invites qualified consulting firms to submit proposals.

Consultants shall examine all information in this Request for Proposal (RFP), including the attachments.

The deadline for submitting questions about the proposal is **Wednesday, January 28, 2025 at 5:00 pm**. The City will consider proposals received on or before the proposal submittal deadline of **THURSDAY, FEBRUARY 5, 2025 at 4:00 pm**. The City may extend the proposal submittal deadline if the City receives an inadequate amount of applicant response. Interested consultants will be notified via an addendum.

SECTION II. GENERAL INFORMATION

The City maintains a 212-acre interior man-made lagoon. First built in 1960's while the City was being developed, the first and primary function of the lagoon is for a storm drainage detention basin for the entire City. The second function is for recreational use.

The volume of water at the summer operation level is up to approximately 1,300 acre-feet. The lagoon level is lowered roughly 8-12 inches from mid-November to mid-March in anticipation of winter storms. The main channel ranges in width from about 200 feet along most of its length to over 1,000 feet at the lake near East Hillsdale Boulevard.

In the late 1990's, the City surveyed the lagoon and found a need to dredge various areas of the lagoon. After dredging was completed in 2004, the average depth was six feet at summer water level and most of the lagoon was returned to original design.

Being over 20 years since the last dredge, the City would like to survey the lagoon to monitor silt levels at various hot spots and develop an existing conditions base map showing shallow areas and sediment islands to help inform future dredging planning. In addition, perform a utility survey of the storm drains entering the lagoon.

The work has a budget of \$120,000 and expected completion date of August 2026.

Consultants shall bear all costs and assume all liability associated with developing and/or submitting proposals. The City shall bear no costs and/or assume no liability for developing and/or submitting proposals.

SECTION III. PROPOSAL REQUIREMENTS

To demonstrate the qualifications and experience necessary to perform the construction management and construction support services for the project, as described in the [Attachment A, Draft Scope of Services](#), consultant shall submit a proposal that include the information described in this section.

Direct questions about the proposal to Senior Civil Engineer. Ryan Marquez at rmarquez@fostercity.org on or before [Wednesday, January 28, 2025, at 5:00 pm](#).

The proposal shall be comprised of two electronic (2) parts:

- Part 1 is comprised of sections A, B, C, D, E, F, and G described below in PDF format
- Part 2 is submitted in a separate PDF file, may be password protected.

The proposal shall be concise and address qualifications and experience. Consultant shall not include superfluous information or analytical work that would otherwise be performed during work in the proposal. The body of the proposal, excluding the table of contents and appendices, should not exceed 10 pages. As an appendix, provide resumes for the proposed team members. Proposals should be bound with tabs identifying each section herein specified.

PART 1

A. Table of Contents

Consultant shall provide a table of contents for all material contained in the proposal.

B. Cover Letter

Consultant shall provide a cover letter. The person who signs the cover letter shall be authorized to contractually bind the consultant. The cover letter shall include the following:

- 1) A statement that all the information in the Request for Proposal was examined.
- 2) A statement that the proposal is binding for a 120-calendar day period.
- 3) The name, title, address, email, and telephone number of the individual to whom correspondence and other communications should be directed during the consultant selection process.
- 4) The name, title, address, email, and telephone number of the individual who will negotiate the consulting agreement with the City, if selected, and is authorized to contractually bind the firm.

C. Executive Summary

Consultant shall provide an executive summary. The executive summary shall include a statement that consultant reviewed the draft scope of services and is able to provide the required professional services. The summary shall briefly summarize those consultant qualifications and experience, contained in the proposal, which best highlight its ability to successfully deliver the work.

D. Project Approach

A summary presentation of the proposed approach for performing the services, describing how the project team would be organized to:

- 1) Clearly specify the scope of work and schedule for the work that will be included in the contract for professional engineering services.
- 2) Monitor and control the scope of work, communicate potential scope of work changes prior to performing that work, and manage the change in scope of work.
- 3) Monitor and control costs of professional services to ensure the services are performed within the negotiated not-to-exceed amount.
- 4) Monitor the schedule and ensure that deliverables are completed on or before schedule milestones.
- 5) Monitor the progress of the work to ensure that each submittal is complete and has been adequately reviewed prior to submitting deliverables.
- 6) Monitor the quality of consultant's deliverables to reduce the amount of City resources required to review the submittal.
- 7) Ensure responsiveness to City Staff.

E. Proposal Schedule

The purpose of the proposal schedule is to ensure consultant completes work in a timely manner and to ensure that labor projections are consistent with the proposal schedule.

Consultant shall prepare a schedule showing the staff required to perform the work described in **Attachment A**, Draft Scope of Services. Group staffing activities by task.

The schedule should include a milestone for each Authorization to Proceed for each task identified in **Attachment A**, Draft Scope of Service. The schedule should reflect "staffing up" at the beginning of the project and "staffing down" near the end of the project. If applicable, show other staff adjustments including seasonal adjustments or construction staging adjustments. Consultant shall assume a Notice-to-Proceed date of **April 21, 2026** in assembling their proposed schedule.

The City may request additional detail as part of contract negotiations.

F. Consultant Information

Consultant shall provide the following information for it and each of its sub-consultants, if any:

- 1) Legal name of firm.
- 2) Type of organization (partnership, corporation, etc.) and where incorporated, if applicable.
- 3) Firm's Officers.
- 4) Date firm was established.
- 5) Address of firm's headquarters.
- 6) Current number of people employed by the firm.
- 7) Name of consultant's parent company, if any.
- 8) Name of consultant's subsidiaries wholly owned or fractionally owned, if any.
- 9) List of companies associated with the consultant whose work on the design or construction of the projects may potentially give rise to a conflict of interest, if any.
- 10) List of contracts terminated for convenience or default within the past three (3) years, if any. Include contract value, description of work, client's name, and telephone number.

G. Consultant Experience and References

Consultant shall provide details of its experience working on similar projects over the last five (5) years. Consultant shall provide details of not more than five (5) similar projects. All projects shall have one or more proposed team members involved in the project. Provide projects from different owners, if possible.

Provide the following details:

- 1) Project name.
- 2) Project Owner and contact information.
- 3) Project description including total project cost and location.
- 4) Description of the consultant's role (Prime consultant or sub-consultant to Prime consultant's Name).
- 5) Description of professional design service provided.
- 6) Cost Control for professional design services: Describe the original and final contract amount and reasons for differences, if any.
- 7) Schedule Control for professional design services Contract: Original start date, actual start date, original end date, actual end date, description of reasons for differences. For dates, provide month and year.
- 8) Project Manager and other key personnel involved.
- 9) Sub-consultants on the proposed team that worked on the project, if any.

If consultant has a standard resume for projects, consultant may provide the standard resumes with supplemental project information on a separate sheet. Providing supplemental project information on a separate sheet will have no effect on the evaluation process.

The City will contact Project Owners to discuss the consultant's current and/or past performance. For Project Owner's contact information, provide Project Owner's name and address, the name of a contact with knowledge of consultant's performance, as well as contact's phone number and email address.

PART 2

H. Consultant Fee Schedule and Reimbursable Expenses

In a separate PDF (may be password protected), Consultant Fee Schedule(s) and list(s) of other reimbursable costs, such as supplies, materials, equipment, other services, and/or other expenses.

The level of effort and reimbursable expenses shall be broken down with a summary table for the entire proposal and shall include an estimate of the number of hours by staff type to complete the work described in **Attachment A - Draft Scope of Services**, that is consistent with the schedule created as part of Section E in Part 1 Provide descriptions of assumptions made in developing the labor hours. The City and the selected consultant will endeavor to negotiate a consulting agreement which contains a not-to-exceed amount for professional services, reimbursable expenses, additional services, supplies, materials, and equipment.

Consultants shall bear all costs and assume all liability associated with developing and/or submitting proposals. The City shall bear no costs and/or assume no liability for developing and/or submitting proposals.

SECTION IV. PROPOSAL SUBMITTAL REQUIREMENTS

Consultant shall submit its proposal in accordance with the following requirements:

- A. The City will only consider proposals received by City at or before the proposal submittal deadline of **THURSDAY, FEBRUARY 5, 2025 at 4:00 p.m.** The City may extend the proposal submittal deadline if the City receives an inadequate response submitted. Interested consultants will be notified via an addendum.
- B. Consultant shall submit proposals to the following address:

Ryan Marquez
rmarquez@fostercity.org

SECTION V. CONSULTANT SELECTION PROCESS

Proposals will be evaluated and selected based on the project understanding and responsiveness to the scope of work outlined. This includes the firm's experience, qualifications, and methods and techniques to be employed throughout the project.

Principle criteria used to evaluate Consultants will include the following:

- A. Quality, clarity and relevance of information contained in the proposal that exhibits Consultant's understanding of the work.
- B. Consultant's and sub-consultants' experience successfully providing professional engineering services on similar projects in the last five (5) years.

The City may waive irregularities in any proposal, accept or reject all or any part of any proposal, or waive any requirements of the request for proposals, as may be deemed to be in the best interest of the City.

After final evaluation, the City will identify the highest ranked consultant, which appears to best meet the qualification criteria. The City will attempt to negotiate a contract with the selected consultant. If the highest ranked consultant and the City cannot reach agreement, the City will terminate negotiations and, at its option, negotiate with the next ranked consultant.

Consultants shall bear all costs and assume all liability associated with negotiating a consultant agreement. The City shall bear no costs and/or assume no liability for developing and/or submitting proposals.

SECTION VI. CONFIDENTIALITY

City has made a determination in accordance with Government Code Section 7922.000 that all Proposals submitted in response to this RFP shall not be made public by City until after City has executed a Professional Services Agreement with the Selected Respondent. In the event a Respondent wishes to claim portions of its Proposal exempt from disclosure under the Public Records Act, it is incumbent upon Respondent to clearly identify those portions with the word "confidential" printed on the lower right-hand corner of the page, along with a written justification as to why such information should be exempt from disclosure. However, the City will make a decision based upon applicable laws.

The City shall notify Respondent of any materials or information that the City does not believe are entitled to exemption from the Public Records Act, and Respondent shall have five (5) business days from such notice to:

- a. withdraw its Proposal;
- b. withdraw such information from its Proposal; or
- c. withdraw such information and replace it with substituted information for which Respondent does not claim an exemption.

Proprietary or confidential data must be readily separable from the Proposal in order to facilitate eventual public inspection of the non-confidential portion of the Proposal. Confidential data is normally restricted to confidential financial or proprietary information. The cost of Services shall not be designated as proprietary or confidential information.

SECTION VII. SCOPE OF SERVICES

A. Scope of Services:

A general draft scope of services is given in **Attachment A**. A detailed Scope of Services will be developed during negotiations. The scope of services presented herein is a basis for completing the proposal and a starting point for negotiations.

In addition, consultant shall agree to perform the management and project controls specified in the Draft Scope of Services.

Consultant is encouraged to include in the proposal any additional tasks and/or deliverables beyond the Draft Scope of Services that the consultant may find necessary or beneficial in order to deliver a successful project.

The City reserves the right to enter into agreements for none, a portion, modified portions, or all of the work listed in this Request for Proposal. The City reserves the right to issue notice(s) to proceed for some or all the work up to 90 days after the City Board approves the agreement.

SECTION VIII. STANDARD PROFESSIONAL SERVICES AGREEMENT AND INSURANCE REQUIREMENTS

The standard professional services agreement is attached as **Attachment B**.

The insurance requirements are described in Section 12 Insurance of the City's Standard Professional Services Agreement. All policies, endorsements, certificates, and/or binders shall be subject to approval by the City as to form and content. The selected consultant shall agree to provide the City with a copy of said policies, certificates, and/or endorsements. If any changes are proposed, Consultant shall track changes in a word document and submit it with the proposal for City's consideration.

ATTACHMENT A
DRAFT SCOPE OF SERVICES
FOR ENGINEERING SERVICES
FOR
LAGOON DREDGE SURVEY

The City maintains a 212-acre interior man-made lagoon. First built in 1960's while the City was being developed, the first and primary function of the lagoon is for a storm drainage detention basin for the entire City. The second function is for recreational use.

The volume of water at the summer operation level is up to approximately 1,300 acre-feet. The lagoon level is lowered roughly 8-12 inches from mid-November to mid-March, in anticipation of winter storms. The main channel ranges in width from about 200 feet along most of its length to over 1,000 feet at the lake near East Hillsdale Boulevard.

In the late 1990's, the City surveyed the lagoon and found there was a need dredge in various areas of the lagoon. After dredging was completed in 2004, the average depth is six feet at summer water level and most of the lagoon was returned to original design. Many of the narrower channels were not dredged, and may have continued to experience additional sedimentation.

Being over 20 years since the last dredge, the City would like to survey the lagoon to monitor silt levels at various hot spots and develop an existing conditions base map showing shallow areas and sediment islands to help inform future dredging planning. In addition, perform a utility survey of the storm drains entering the lagoon.

A draft scope of services includes, at a minimum, five tasks containing the following elements. The consultant is encouraged to combine and recommend additional or fewer tasks.

Task 1: Project Management & Coordination

The purpose of project management is for correspondence, coordination, schedule tracking, budget tracking, scope tracking, and any other miscellaneous work that does not directly fall under other tasks. Project Management task shall be no more than 10% of the budget and shall have a narrative for derivation of assumed hours. This task may require project controls to be submitted monthly with invoice including scope performed, schedule analysis, and budget summary for each task. Include number of meetings with City Staff at key milestones.

Task 2 : Review Existing Data

Review existing information on previous dredge projects (design report and plans) and as-builts of various subdivisions that constructed portions of the lagoon and stormwater outfalls. As-builts and record drawings will be provided by the City; however, the documents on file may not reflect the most current

conditions.

Task 3: Develop Workplan & Testing Memo

Prepare memorandum detailing process/method, output, location, and timeline of expected field data collection. Identify expected areas to be surveyed, which will require review of existing data and inference of where high spots and representative samples of the lagoon may be. Locations may include areas of concern such as generally shallower areas of lagoon, narrow channels in and around the islands, high traffic recreation zone, and storm drain outfalls as well as sections of the middle channel where silt is likely to be accumulating. Work plan must be approved by City before moving to Task 4.

Task 4 : Field Data Collection

Perform Bathymetric (or other proposed) survey and representative probing on lagoon. Boat launching is available at Boat Park (on Bounty and Foster City Blvd.) or at 650 Shell Blvd. Both launches are public and the Consultant will not be responsible for the launch fees. With assistance from City, coordination is needed to ensure the sites can accommodate the boat size. All watercrafts must be electric, unless authorized by the City.

Task 5 : Sediment Sampling & Characterization (Optional Task)

Perform sediment sampling and characterization at sampling locations. Subsequent lab testing should classify material to inform future project's possible off haul locations and permitting requirements. Consultant to propose sampling frequency and locations.

Task 6 : Survey Report

Compile results from Task 4 & 5 (if chosen) into a final report with a presentation to City staff at draft stage. The report should provide a clear explanation of methods, results, and recommendations for future dredging. The report will identify locations that may need dredging in the short term and project timing of larger scale lagoon wide dredge project.

The Final Report shall include but is not limited to:

- Recommendations on future monitoring frequency and potential dredging needs.
- Priority location list and map.
- Comparative analysis of original as built levels, 1995 or 1997 surveyed levels, 2004 post dredge levels, and current levels using Foster City Datum (NGVD29+100')
- Supporting cross section graphics at representative locations of various surveyed levels.
- Supporting maps and exhibits.
- Summary of sediment characteristics (if testing was performed).
- High level construction estimate for project(s) (Class 5 AACE or similar).

- Consultant shall provide any GIS, CAD, or other shapefiles of contours and data points.
- Assume Outline, Draft, and Final Reports submissions.

ATTACHMENT B

PROFESSIONAL SERVICES AGREEMENT FOR LAGOON DREDGE SURVEY

This Agreement is made and entered into as of the ____ day of _____, 20____
by and between the City of Foster City hereinafter called "CITY" and
_____ hereinafter called "CONSULTANT".

RECITALS

This Agreement is entered into with reference to the following facts and circumstances:

WHEREAS, CITY desires to retain CONSULTANT to provide professional engineering services ;

WHEREAS, CONSULTANT is specially trained, experienced and competent to perform and has agreed to provide such services;

NOW, THEREFORE, in consideration of the mutual promises, covenants, terms and conditions hereinafter contained, the parties hereby agree as follows:

TERMS AND CONDITIONS

1. Services. The services to be performed by CONSULTANT under this Agreement shall include those services set forth in Exhibit A, which is, by this reference, incorporated herein and made a part hereof as though it were fully set forth herein.

Performance of the work specified in said Exhibit A is hereby made an obligation of CONSULTANT under this Agreement, subject to any changes that may be made subsequently hereto upon the mutual written agreement of the said parties.

Where in conflict, the terms of this Agreement supersede and prevail over any terms set forth in Exhibit A.

1. Term; Termination. (a) The term of this Agreement shall commence upon the date hereinabove written and shall expire upon completion of performance of services hereunder by CONSULTANT. (b) Notwithstanding the provisions of (a) above, CITY may with or without cause, direct CONSULTANT to suspend, delay or interrupt Services, in whole or in part, for such periods of time as CITY may determine in its sole discretion. (c) CITY may terminate performance of the Services under this Agreement in whole, or from time to time in part, for default, should CONSULTANT commit a material breach of this Agreement, or part thereof, and not cure such breach within ten (10) calendar days of the date of CITY's written notice to CONSULTANT demanding

such cure, in which case CONSULTANT shall be liable to CITY for all loss, cost, expense, damage and liability resulting from such breach and termination. (d) CITY may terminate performance of the Services under this Agreement in whole, or from time to time in part, for convenience, whenever CITY determines that such termination is in CITY's best interests, in which case CONSULTANT shall be entitled to recover its costs expended up to the termination date plus reasonable profit thereon to the termination date as this Agreement would otherwise provide, but may recover no other cost, damage or expense. CONSULTANT shall continue its work throughout the course of any dispute, and CONSULTANT's failure to continue work during a dispute shall be a material breach of this Agreement.

2. Compensation; Expenses; Payment. CITY shall compensate CONSULTANT for all services performed by CONSULTANT hereunder in an amount based upon CONSULTANT's hourly rates during the time of the performance of said services. A copy of CONSULTANT's hourly rates for which services hereunder shall be performed are set forth in CONSULTANT's fee schedule marked Exhibit "B" hereof, attached hereto and by this reference incorporated herein.

Notwithstanding the foregoing, the combined total of compensation and reimbursement of costs payable hereunder shall not exceed the sum _____ (\$ _____). Invoices for amounts in excess of _____ (\$ _____) shall not be paid unless the performance of services and/or reimbursement of costs and expenses in excess of said amounts have been approved in advance of performing such services or incurring such costs and expenses by CITY's Manager (for contracts less than \$50,000) or CITY Board (for contracts \$50,000 or more) evidenced by motion duly made and carried and a written contract amendment having been executed.

Compensation and reimbursement of costs and expenses hereunder shall be payable upon monthly billing therefor by CONSULTANT to CITY, which billing shall include an itemized statement, briefly describing by task and labor category or cost/expense items billed. Final payment will be made when all Services required under this Agreement have been completed to the reasonable satisfaction of CITY including, without limitation, CONSULTANT's transmittal of all deliverables to CITY required by EXHIBIT A.

CITY shall not incur any charges under this Agreement, nor shall any payments become due to CONSULTANT for any payment period on the Project, until CITY receives all deliverables required under Exhibit A, SCOPE OF WORK AND SCHEDULE, for the payment period (if any) and reasonably accepts such deliverables as meeting the requirements of this Agreement. In cases where CONSULTANT has partially completed one or more deliverables due during a payment period, and if CONSULTANT demonstrates diligent progress thereon, then CITY may make a partial progress payment based upon percentage completion of the partially completed deliverables and diligent progress but taking into account any adverse impacts upon CITY. CITY shall not be liable for, and CONSULTANT shall not be entitled to, any payment for Services performed before this Agreement's execution.

4. Additional Services. In the event CITY desires the performance of additional services not otherwise included within the services described in Exhibit A, such services shall be authorized in advance of the performance thereof by CITY's Manager (for contracts less than \$50,000) or CITY Board (for contracts \$50,000 or more) by motion duly made and carried. Such amendment to this Agreement shall include a description of the services to be performed thereunder, the maximum compensation and reimbursement of costs and expenses payable therefor, the time of performance thereof, and such other matters as the parties deem appropriate for the accomplishment of such services. Except to the extent modified by written amendment, all other terms and conditions of this Agreement shall be deemed incorporated in each such amendment.

5. Records. CONSULTANT shall keep and maintain accurate records of all time expended and costs and expenses incurred relating to services to be performed by CONSULTANT hereunder. Said records shall be available to CITY for review and copying during regular business hours at CONSULTANT's place of business or as otherwise agreed upon by the parties.

6. Authorization. This Agreement becomes effective when endorsed by both parties in the space provided below.

7. Reliance on Professional Skill of CONSULTANT. CONSULTANT represents that it has the necessary professional skills to perform the services required and the CITY shall rely on such skills of the CONSULTANT to do and perform the work. In performing services hereunder CONSULTANT shall adhere to the standards generally prevailing for the performance of expert consulting services similar to those to be performed by CONSULTANT hereunder.

CONSULTANT represents that it has reviewed Exhibit A and that in its professional judgment the Services to be performed under this Agreement can be performed for a fee within the maximum amount set forth in the Compensation Schedule established in Exhibit A and within the times specified for each individual Project.

CONSULTANT represents that it possesses all necessary training, licenses and permits to perform the Services and that its performance of the Services will conform to the standards of practice of a professional having experience and expertise in performing professional services of like nature and complexity of the Services working on similar, successfully completed projects.

The granting of any progress payment by CITY, or the receipt thereof by CONSULTANT, or any inspection, review, approval or oral statement by any representative of CITY or any other governmental entity, shall in no way waive or limit the obligations in this Paragraph 7 or lessen the liability of CONSULTANT for unsatisfactory Services, including but not limited to cases where the defective or below standard Services may not have been apparent or detected at the time of such

payment, inspection, review or approval.

8. Documents. All documents, plans, drawings, renderings, and other papers, or copies thereof, as finally rendered, prepared by CONSULTANT pursuant to the terms of this Agreement, shall, upon preparation and delivery to CITY, become the property of CITY.

9. Relationship of Parties. CONSULTANT is an independent Contractor and does not act as City's agent in any capacity, whatsoever. CONSULTANT is not entitled to any benefits that CITY provides to CITY employees, including, without limitation, worker's compensation benefits or payments, pension benefits, health benefits or insurance benefits. Terms within this Agreement regarding direction apply to and concern the result of the CONSULTANT's provision of Services, not the means, methods, or scheduling of the CONSULTANT's work. CONSULTANT shall be solely responsible for the means, methods, techniques, sequences and procedures with respect to its provision of Services under this Agreement. CONSULTANT shall pay all payroll taxes imposed by any governmental entity and shall pay all other taxes not specifically identified in this Agreement as CITY's responsibility.

10. Schedule. CONSULTANT shall adhere to the schedule set forth in Exhibit A; provided, that CITY shall grant reasonable extensions of time for the performance of such services occasioned by governmental reviews of CONSULTANT's work product or other unavoidable delays; provided, further, that such unavoidable delay shall not include strikes, lockouts, work stoppages, or other labor disturbances conducted by, or on behalf of, CONSULTANT's officers or employees.

CONSULTANT acknowledges the importance to CITY of CITY's Project schedule and agrees to put forth its best professional efforts to perform its services under this Agreement in a manner consistent with that schedule.

11. Indemnity. To the fullest extent allowed by law, CONSULTANT hereby agrees to defend, indemnify, and save harmless CITY and City of Foster City, its Council, boards, commissions, officers, employees, directors, volunteers and agents, from and against any and all claims, suits, actions liability, loss, damage, expense, injury (including, without limitation, economic harm, injury to or death of any person, including an employee of CONSULTANT or its Subconsultants), cost (including, without limitation, costs and fees of litigation) of every nature, kind or description, at law or equity, which may be brought against, or suffered or sustained by, City of Foster City, its board, commissions, officers, employees, directors, volunteers or agents that arise out of, pertain to, or relate to any negligence, recklessness, or willful misconduct of CONSULTANT, any Subconsultant, anyone directly or indirectly employed or retained by them, or anyone that they control. In the event one or more defendants is unable to pay its share of defense costs due to bankruptcy or dissolution of the business, the CONSULTANT shall meet and confer with other parties regarding unpaid defense costs.

The duty of CONSULTANT to indemnify and save harmless, as set forth herein, shall

include the duty to defend as set forth in Section 2778 of the California Civil Code; provided, however, that nothing herein contained shall be construed to require CONSULTANT to indemnify City of Foster City, its board, commissions, officers, employees and agents against any responsibility or liability in contravention of Section 2782 of the California Civil Code.

CONSULTANT's responsibility for such defense and indemnity obligations shall survive the termination or completion of this Agreement for the full period of time allowed by law.

The defense and indemnification obligations of this agreement are undertaken in addition to, and shall not in any way be limited by, the insurance obligations contained within this Agreement.

If CONSULTANT is a "design professional," as defined in California Civil Code Section 2782.8(c), CONSULTANT shall indemnify, defend, and hold the Indemnitees harmless against Liability only to the extent such Liability arises out of, pertains to, or relates to CONSULTANT's negligence, recklessness, or willful misconduct. In such an event, the cost to defend charged to CONSULTANT shall not exceed CONSULTANT's proportionate percentage of fault.

12. Insurance. Prior to execution of this Agreement, CONSULTANT shall furnish to CITY Certificates of Insurance showing satisfactory proof that it maintains the insurance required by this Contract as set forth in EXHIBIT C, Insurance, which are attached and made a part of this Agreement. CONSULTANT shall maintain all required insurance throughout the term of this Agreement and as otherwise provided in EXHIBIT C. In the event CONSULTANT fails to maintain any required insurance, and notwithstanding Paragraph 3 above, CITY may (but is not obligated to) purchase such insurance and deduct or retain premium amounts from any sums due CONSULTANT under this Agreement (or CONSULTANT shall promptly reimburse CITY for such expense).

CONSULTANT shall maintain insurance as required by this Agreement to the fullest amount allowed by law and shall maintain insurance for a minimum of five (5) years following completion of this project or service. In the event CONSULTANT fails to obtain or maintain completed operations coverage as required by this Agreement, the CITY at its sole discretion may purchase the coverage required and the cost will be paid by CONSULTANT.

13. WORKERS' COMPENSATION. CONSULTANT certifies that he is aware of the provisions of the Labor Code of the State of California which require every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that Code, and CONSULTANT certifies that he will comply with such provisions before commencing the performance of the work of this agreement.

14. NON-DISCRIMINATION. The CONSULTANT will not discriminate against any employee or applicant for employment because of race, color, religion, sex or national origin. The CONSULTANT will take affirmative action to ensure that applicants are employed and the employees are treated during employment without regard to their race, color, religion, sex or national origin. Such action shall include, but not be limited to the following: employment, advancement, demotion, transfer, recruitment, or recruitment advertising, layoff or termination, rates of pay or other forms of compensation, and selection for training, including apprenticeship. The CONSULTANT shall at all times be in compliance with the requirements of the Federal Americans With Disabilities Act (Public Law 101-336) which prohibits discrimination on the basis of disability by public entities. The CONSULTANT agrees to post in conspicuous places available to employees and applicants for employment any notices provided by the CITY setting forth the provisions of this non-discrimination clause.

15. Notice. All notices required by this Agreement shall be given to the CITY and CONSULTANT in writing, by first class mail, postage prepaid, addressed as follows:

CITY: City of Foster City
610 Foster City Boulevard
Foster City, CA 94404-2299
Attention: _____

CONSULTANT: _____
(Fill in CONSULTANT Name, Address, Phone Number, Project Manager and Email Address for CONSULTANT)

16. Non-Assignment. This Agreement is not assignable either in whole or in part.

17. Amendments. This Agreement may be amended or modified only by written agreement signed by both parties.

18. Validity. The invalidity in whole or in part of any provision of this Agreement shall not void or affect the validity of any other provision of this Agreement.

19. Governing Law. This Agreement shall be deemed to have been executed in the County of San Mateo, California. The formation, interpretation and performance of this Agreement shall be governed by the laws of the State of California, excluding its conflict of laws rules. Any suit or action initiated by either party shall be brought in the County of San Mateo, California unless the parties agree otherwise in a written amendment to this Agreement.

20. Mediation. Should any dispute arise out of this Agreement, the parties shall meet in mediation and attempt to reach a resolution with the assistance of a mutually acceptable mediator. Neither party shall be permitted to file legal action without first meeting in mediation and making a good faith attempt to reach a mediated resolution. The costs of the mediator, if any, shall be paid equally by the parties. If a mediated settlement is reached neither party shall be deemed the prevailing party for purposes of

the settlement and each party shall bear its own legal costs.

21. Conflict of Interest. CONSULTANT represents and warrants that it presently has no interest, and shall not have any interest, direct or indirect, which would conflict in any manner with the performance of work and services required under this Agreement. Without limitation, CONSULTANT represents to and agrees with CITY that CONSULTANT has disclosed any potential conflict of interest, and will have no future conflict of interest, in providing CITY services hereunder, including but not limited to, any interest (financial, share ownership, shared management, shared directors, or reporting responsibilities) CONSULTANT may presently have, or will have in the future, with respect to any other person or entity (including but not limited to potential suppliers, vendors, consultants, contractors, or regulatory agency) which may have an interest in the subject matter of the Services.

22. Liability of CITY. Except as provided in Exhibit A, Services to be Provided by CONSULTANT and Exhibit C, Insurance, CITY's obligations under this Agreement shall be limited to the payment of the compensation provided for in Paragraphs 1, 3, and 4 of this Agreement,

Notwithstanding any other provision of this Agreement, in no event shall CITY be liable, regardless of whether any claim is based on contract, tort or otherwise, for any special, consequential, indirect or incidental damages, lost profits or revenue, arising out of or in connection with this Agreement, the Services, or the Project.

CITY shall not be responsible for any damage to persons or property as a result of the use, misuse or failure of any equipment used by CONSULTANT, or by any of its employees, even though such equipment be furnished, rented or loaned to CONSULTANT by CITY. The acceptance or use of such equipment by CONSULTANT or any of its employees shall be construed to mean that CONSULTANT accepts full responsibility for and shall exonerate, indemnify, defend and save harmless CITY from and against any and all claims for any damage or injury of any type, including attorneys' fees, arising from the use, misuse or failure of such equipment, whether such damage be to the CONSULTANT, its employees, CITY employees or third parties, or to property belonging to any of the above.

Nothing in this Agreement shall constitute a waiver or limitation of any right or remedy, whether in equity or at law, which CITY or CONSULTANT may have under this Agreement or any applicable law. All rights and remedies of CITY or CONSULTANT, whether under this Agreement or other applicable law, shall be cumulative.

23. Waiver of Default. Waiver of any default by either party to this Agreement shall not be deemed to be waiver of any subsequent default. Waiver or breach of any provision of this Agreement shall not be deemed to be a waiver of any other or subsequent breach, and shall not be construed to be a modification of the terms of this Agreement unless this Agreement is modified as provided below.

24. Force Majeure. Except for defaults of subconsultants at any tier, CONSULTANT shall not be liable for any excess costs if the failure to perform the Agreement arises from causes beyond the control and without the fault or negligence of CONSULTANT, including without limitation failure to reasonably mitigate any adverse impacts (Force Majeure). Force Majeure events include the following:

Acts of God, fires, floods, earthquake, other natural disasters, epidemics and pandemics (other than COVID-19 or variants), abnormal weather conditions beyond the parameters otherwise set forth in this Article, nuclear accidents, strikes, lockouts, freight embargos, interruptions in service by a regulated utility, or governmental statutes or regulations enacted or imposed after the fact (together, "force majeure events").

Any Force Majeure event with a duration in excess of not less than 30 days entitles either party to terminate this Agreement with written notice to the other party, without further penalty or compensation.

25. Entire Agreement. This Agreement, including Exhibits A, B, C, and D comprises the entire Agreement.

[Signatures on Next Page]

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed on the date first above written by their respective officers duly authorized in that behalf.

CITY OF FOSTER CITY

Dated: _____

Patrick Sullivan, President
(for contracts \$50,000 or more)

ATTEST:

Dated: _____
Priscilla Schaus, City Secretary

APPROVED AS TO FORM

Dated: _____
Benjamin Stock, City Legal Counsel

CONSULTANT

Dated: _____
Type Name & Title of CONSULTANT Authorized to Sign

EXHIBIT A

SERVICES TO BE PROVIDED, PAYMENTS, PROJECTS AND SCHEDULE, AND
DELIVERABLES FOR
LAGOON DREDGE SURVEY

[PROPOSAL/SCOPE OF WORK]

END OF EXHIBIT A

EXHIBIT B
FEE SCHEDULE

[Specify Consultant's hourly rates for which services hereunder shall be performed]

EXHIBIT C

INSURANCE FORMS

CONSULTANT shall provide, in addition to the Certificates of Insurance, original Endorsement affecting the coverages specified herein on the attached form. No substitute form will be accepted.

This is an Exhibit to, and made a part of and incorporated by reference to the Agreement dated Date of Agreement, by and between Consultant Name, hereinafter referred to as "**Consultant**", and City of Foster City, hereinafter referred to as "**City**", providing for professional services.

1. **Consultant's Duty to Show Proof of Insurance.** Consultant, in order to protect City and its Council members, officials, agents, officers, and employees against all claims and liability for death, injury, loss and damage as a result of Consultant's acts, errors, or omissions in connection with the performance of Consultant's obligations, as required in this Agreement, shall secure and maintain insurance as described below. Consultant shall not perform any work under this Agreement until Consultant has obtained all insurance required under this section and the required certificates of insurance and all required endorsements have been filed with the City's authorized insurance representative, insurance Tracking Services Inc. (ITS). Receipt of evidence of insurance that does not comply with all applicable insurance requirements shall not constitute a waiver of the insurance requirements set forth herein. The required documents must be signed by the authorized representative of the insurance company shown on the certificate. Upon request, Consultant shall supply proof that such person is an authorized representative thereof, and is authorized to bind the named underwriter(s) and their company to the coverage, limits and termination provisions shown thereon, Consultant shall promptly deliver to ITS a certificate of insurance, and all required endorsements, with respect to each renewal policy, as necessary to demonstrate the maintenance of the required insurance coverage for the term specified herein. Such certificates and endorsements shall be delivered to ITS prior to the expiration date of any policy and bear a notation evidencing payment of the premium thereof if so requested. Consultant shall immediately pay any deductibles and self-insured retentions under all required insurance policies upon the submission of any claim by Consultant or City as an additional insured.

1.1 Insurance Requirements

☒ Commercial General Liability Insurance

Commercial General Liability Insurance including, but not limited to, Contractual Liability Insurance (specifically concerning the indemnity provisions of this Agreement with the

City), Products-Completed Operations Hazard, liability for slander, false arrest and invasion of privacy arising out of professional services rendered hereunder, Personal Injury (including bodily injury and death), and Property Damage for liability arising out of Consultant's performance of services under this Agreement. The Commercial General Liability insurance shall contain no exclusions or limitation for independent contractors working on the behalf of the named insured. Consultant shall maintain the Products-Completed Operations Hazard coverage for the longest period allowed by law following termination of this Agreement. The amount of said insurance coverage required by this Agreement shall be the policy limits, which shall be at least two million dollars (\$2,000,000) each occurrence and five million dollars (\$4,000,000) aggregate.

*Please note, the City will require a separate additional insured endorsement for the Commercial General Liability policy, listing the "City of Foster City, its Council members, officials, agents, officers, and employees".

☒ Business Automobile Liability Insurance

Automobile Liability Insurance against claims of Personal Injury (including bodily injury and death) and Property Damage covering any vehicle and/or all owned, leased, hired and non-owned vehicles used in the performance of Services pursuant to this Agreement with coverage equal to the policy limits, which shall be at least two million dollars (\$2,000,000) each occurrence.

☒ Workers' Compensation Insurance

Consultant shall submit written proof that Consultant is insured against liability for workers' compensation in accordance with the provisions of section 3700 of the California Labor Code. Consultant shall require any Subconsultants to provide workers' compensation for all of the Subconsultants' employees, unless the Subconsultants' employees are covered by the insurance afforded by Consultant. If any class of employees engaged in work or services performed under this Agreement is not covered by California Labor Code section 3700, Consultant shall provide and/or require each Subconsultant to provide adequate insurance for the coverage of employees not otherwise covered. Consultant shall also maintain employer's liability insurance with limits of one million dollars (\$1,000,000) for bodily injury or disease.

☒ Professional Liability Insurance

Professional Liability (Errors and Omissions) Insurance, for liability arising out of, or in connection with, all negligent acts, errors or omissions in connection with services to be provided under this Agreement, with no exclusion for claims of one insured against another insured, with coverage equal to the policy limits, which shall not be less than two million dollars (\$2,000,000) per occurrence and four million dollars (\$4,000,000) aggregate.

1.2 Self-Insured Retention

Any self-insured retentions in excess of \$100,000 must be declared on the Certificate of insurance or other documentation provided to City and must be approved by the City Risk Manager.

1.3 Claims-Made Basis Coverage

If any of the insurance coverages required under this Agreement is written on a claims-made basis, Consultant, at Consultant's option, shall either (i) maintain said coverage for at least five (5) years following the termination of this Agreement with coverage extending back to the effective date of this Agreement; (ii) purchase an extended reporting period of not less than five (5) years following the termination of this Agreement; or (iii) acquire a full prior acts provision on any renewal or replacement policy.

2. City as Additional Insured

On Consultant's Commercial General Liability and Automobile policies, the City of Foster City, its Council members, officers, directors, agents, employees, and volunteers, shall be named as additional insured's, but only with respect to liability arising out of the activities of the named insured. Any endorsement shall be provided using one of the following three options: (i) on ISO form CG 20 10 1 1 85; or (ii) on ISO form CG 20 37 10 01 plus either ISO form CG 20 10 10 01 or CG 20 33 10 01; or (iii) on such other forms which provide coverage at least equal to or better than form CG 20 10 1 1 85.

3. Insurance terms and conditions:

3.1 Cancellation of Insurance

The above stated insurance coverages required to be maintained by Consultant shall be maintained until the completion of all of Consultant's obligations under this Agreement except as otherwise indicated herein. Each insurance policy supplied by Consultant shall not be suspended, voided, cancelled or reduced in coverage or in limits except after ten (10) days written notice by Consultant in the case of non-payment of premiums, or thirty (30) days written notice in all other cases. This notice requirement does not waive the insurance requirements stated herein. Consultant shall immediately obtain replacement coverage for any insurance policy that is terminated, canceled, non-renewed, or whose policy limits have been exhausted or upon insolvency of the insurer that issued the policy.

3.2 All insurance shall be issued by a company or companies admitted to do business in California and listed in the current "Best's Key Rating Guide" publication with a minimum rating of A-; VII Any exception to these requirements must be approved by the City Risk Manager.

3.3 If Consultant is, or becomes during the term of this Agreement, self-insured or a member of a self-insurance pool, Consultant shall provide coverage equivalent to the insurance coverages and endorsements required above. The City will not accept such coverage unless the City determines, in its sole discretion and by written acceptance, that the coverage proposed to be provided by Consultant is equivalent to the above-required coverages.

3.4 For any claims related to the Agreement, the Consultant's insurance coverage shall be primary insurance coverage at least as broad as ISO CG 20 01 04 13 as respects the City, its officers, officials, employees, and volunteers. Any insurance or self-insurance maintained by the City, its officers, officials, employees, or volunteers shall be excess of the Consultant's insurance and shall not contribute with it.

3.5 Insurance coverages in the minimum amounts set forth herein shall not be construed to relieve Consultant for any liability, whether within, outside, or in excess of such coverage, and regardless of solvency or insolvency of the insurer that issues the coverage; nor shall it preclude the City from taking such other

actions as are available to it under any other provision of this Agreement or otherwise in law.

3.6 Failure by Consultant to maintain all such insurance in effect at all times required by this Agreement shall be a material breach of this Agreement by Consultant. City, at its sole option, may terminate this Agreement and obtain damages from Consultant resulting from said breach. Alternatively, City may purchase such required insurance coverage, and without further notice to Consultant, City shall deduct from sums due to Consultant any premiums and associated costs advanced or paid by City for such insurance. If the balance of monies obligated to Consultant pursuant to this Agreement are insufficient to reimburse City for the premiums and any associated costs, Consultant agrees to reimburse City for the premiums and pay for all costs associated with the purchase of said insurance. Any failure by City to take this alternative action shall not relieve Consultant of its obligation to obtain and maintain the insurance coverages required by this Agreement.

3.7 Should any of the required insurance (other than errors and omissions insurance) be provided under a form of coverage that includes a general annual aggregate limit or provides that claims investigation or legal defenses costs be included in such general aggregate limit, such general annual aggregate limit shall be double the occurrence or claims limit specified above.

3.8 City may (but is under no obligation to) secure project-specific insurance, wrap-up insurance, or administer an owner controlled insurance program ("OCIP"), in which case Consultant and its subconsultants shall communicate this fact to their insurance carriers and request that the risk of this project be excluded from their practice policies. Consultant's fees under this Agreement (and the fee of its subconsultants under subconsultant agreements) shall be reduced by the amount of insurance premiums that may be avoided by Consultant and its subconsultants by virtue of the City's obtaining the project-specific insurance, wrap-up insurance or administering an OCIP, and the exclusion of this project from coverage of Consultant's and subconsultants policies. Construction Manager and its subconsultants shall afford City access to their books and records and cooperate with City in verifying the amount of savings realized.

ATTACHED

1. Insurance Coverage Form

EXHIBIT C

This **INSURANCE COVERAGE FORM** modifies or documents insurance provided under the following:

Named Insured: _____

Effective Work _____

Date(s): _____

Description of Work/Locations/Vehicles: _____

ADDITIONAL INSURED: **City of Foster City (CITY)****610 Foster City Boulevard, Foster City, CA 94404****Attention:** _____**Contract Administrator**

Endorsement and Certificates of Insurance Required The Additional Insured, its elected or appointed officers, officials, employees and volunteers are included as insureds with regard to damages and defense of claims arising from: (Check all that apply)	Insurer	Policy No.
<input type="checkbox"/> General Liability: (a) activities performed by or on behalf of the Named Insured, (b) products and completed operations of the Named Insured, (c) premises owned, leased occupied or used by the Named Insured, and/or (d) permits issued for operations performed by the Named Insured. {Note: MEETS OR EXCEEDS ISO Form # CG 20 10 11 85}		
<input type="checkbox"/> Auto Liability: the ownership, operation, maintenance, use, loading or unloading of any auto owned, leased, hired or borrowed by the Named Insured, regardless of whether liability is attributable to the Named Insured or a combination of the Named Insured and the Additional Insured, its elected or appointed officers, officials, employees or volunteers.		
<input type="checkbox"/> Other: [Cyber Liability, Installation Floater, etc.]		
Certificates of Insurance Required (no endorsement needed) (Check all that apply)	Insurer	Policy No.
<input type="checkbox"/> Workers Compensation: work performed by employees of the Named Insured while those employees are engaged in work under the simultaneous directions and control of the Named Insured and the Additional Insured.		
<input type="checkbox"/> Professional Liability:		

PRIMARY/NON-CONTRIBUTORY: This insurance is primary and is not additional to or contributing with any other insurance carried by or for the benefit of Additional Insureds.

SEVERABILITY OF INTEREST: The insurance afforded by this policy applies separately to each insured who is seeking coverage or against whom a claim is made or a suit is brought, except with respect to the insurer's limit of liability.

PROVISIONS REGARDING THE INSURED'S DUTIES AFTER ACCIDENT OR LOSS: Any failure to comply with reporting provisions of the policy shall not affect coverage provided to the Additional Insured, its elected or appointed officers, officials, employees, or volunteers.

CANCELLATION NOTICE The insurance afforded by this policy shall not be suspended, voided, canceled, reduced in coverage or in limits except after thirty (30) days' prior written notice (ten (10) days if canceled due to non-payment) by regular mail return receipt requested has been given to the Additional Insured. Such notice shall be addressed as shown above.

WAIVER OF SUBROGATION: The insurer(s) named above agree to waive all rights of subrogation against the CITY, its elected or appointed officers, officials, agents, volunteers and employees for losses paid under the terms of this policy which arise from work performed by the Named Insured for the CITY. **Nothing herein contained shall vary, alter or extend any provision or condition of the Policy other than as above stated.**

SIGNATURE OF INSURER OR AUTHORIZED REPRESENTATIVE OF THE INSURER

I, _____(print/type name),
warrant that I have authority to bind the above-named insurance company and by my signature hereon do so bind this company.

SIGNATURE OF AUTHORIZED REPRESENTATIVE (original signature required)

ORGANIZATION: _____**TITLE:** _____

ADDRESS: _____

TELEPHONE: () **DATE ISSUED:** _____

**COVID-19 AMENDMENT/ATTACHMENT
(Consulting Agreement Form)**

This COVID-19 Amendment/Attachment amends the Agreement between _____
("City") and _____ ("Consultant") dated _____.

1. Definitions

A. The 2019 novel coronavirus and the disease it causes are collectively referred to herein as "**COVID-19**".

B. A "**COVID-19 Condition**" is something attributable to COVID-19 not caused by the Consultant (which for purposes herein includes all subconsultants) and beyond its reasonable control including but not limited to COVID-19 Proclamations and supply chain disruptions due to COVID-19, and other circumstances concerning COVID-19 not caused by the Consultant and which are beyond its reasonable control.

C. A "**COVID-19 Proclamation**" includes but is not limited to orders, directives and guidance concerning COVID-19 that have been issued, and which may be issued from time to time, by public agencies or regulatory bodies, the CDC or OSHA or Cal/OSHA, including without limitation the Cal/OSHA COVID-19 Prevention Emergency Temporary Standards. Consultant acknowledges that those orders, directives and guidance may require the Project to shut down or otherwise increase the Consultant's cost or time of performance by calling for things such as social distancing and the use of personal protective equipment. In the event of conflicting COVID-19 Proclamations, the Consultant shall follow the most applicable, restrictive and newest COVID-19 Proclamations.

D. An "**Unknown COVID-19 Condition**" is a COVID-19 Condition the Consultant did not know about, and reasonably should not have known about, as of the date the Consultant submitted its proposal. The requirements contained in COVID-19 Proclamations issued before submission of a proposal are not Unknown COVID-19 Conditions, and the Consultant will be deemed to have knowledge of those requirements.

E. An "**Unknown COVID-19 Cost**" is a cost that: (i) is solely attributable to an Unknown COVID-19 Condition; (ii) is reasonable and unavoidable under the circumstances; (iii) is not the result of the Consultant's failure to comply with the contract documents or a COVID-19 Proclamation; and (iv) is not the result of a subconsultants failure to comply with a COVID-19 Proclamation in connection with the performance of the Services.

2. COVID-19 Conditions and Proposal. Consultant is expected to know and is deemed to have known about COVID-19 Conditions when it submits its proposal, and COVID-19 Conditions must be accounted for in the Consultant's price and schedule. In order to be entitled to any relief from a COVID-19 Condition, the Consultant must demonstrate that the issue, cost or delay is due to an Unknown COVID-19 Condition.

3. Compliance with COVID-19 Proclamations.

A. Consultant shall comply with COVID-19 Proclamations in the performance of the Services,

irrespective of when the COVID-19 Proclamations are issued, and as they pertain to performance of the Services. The cost of such compliance is non-compensable, except as otherwise expressly stated herein.

B. Consultant is responsible to ensure that its subconsultants and suppliers comply with COVID-19 Proclamations at all times in connection with the performance of their Services.

4. Delay. The Consultant is entitled to a reasonable time extension for an Unknown COVID-19 Condition. Such time extension is non-compensable.

5. City Directed Suspension. The City may suspend Services due to COVID-19 health concerns, even though the Consultant may be allowed to proceed with the Services based on COVID-19 Proclamations. The City may suspend the Services for its convenience. The Consultant is entitled to a time extension for a City Directed Suspension, and the contract amount will be equitably adjusted if and to the extent Consultant incurs increased costs that are Unknown COVID-19 Costs.

6. Compensation for COVID-19 Costs. City will reimburse the Consultant for Unknown COVID-19 Costs that are not included in the schedule of values.

7. Safe Work Practices. Consultant shall implement safe work practices recommended by CDC or OSHA or Cal/OSHA, which may include, inter alia, screening all employees, subconsultants, or others ("worker(s)") at all locations where Services are performed for signs and symptoms of COVID-19; adopting staggered work schedules, e.g., providing alternating workdays or extra shifts, to reduce the total number of employees on a site at any given time and to ensure physical distancing; identifying choke points where workers are forced to stand together, such as hallways and elevators, ingress and egress points, break areas, and buses, and implement policies to maintain social distancing; coordinating deliveries in line with the employer's minimal contact and cleaning protocols; and instituting a rigorous housekeeping program to reduce dust levels at all exterior locations. Consultant remains fully responsible for following and complying with changes to recommended safe work practices from time to time.

8. Monitoring and Reporting. City may require the Consultant to actively monitor the health of its workers through temperature checks and questionnaires of major COVID-19 symptoms, including but not limited to cough, fever above 100.4 degrees Fahrenheit and shortness of breath. Consultant shall immediately report to City any outbreaks of COVID-19 among its workers. The Consultant shall not knowingly allow any worker who has tested positive with COVID-19 to enter a City building. In the event of an outbreak or an exposure to COVID-19, the City may impose appropriate mitigation strategies which may be in consultation with the public health officer.

9. Conflicts. In the event of an inconsistency between this COVID-19 Amendment and the Agreement, this Addendum shall control.

IN WITNESS WHEREOF, the City and Consultant have executed this Covid-19 Amendment as of the date set forth above.

CONSULTANT:

Signature

CITY:

Signature

APPENDIX C



NORTH

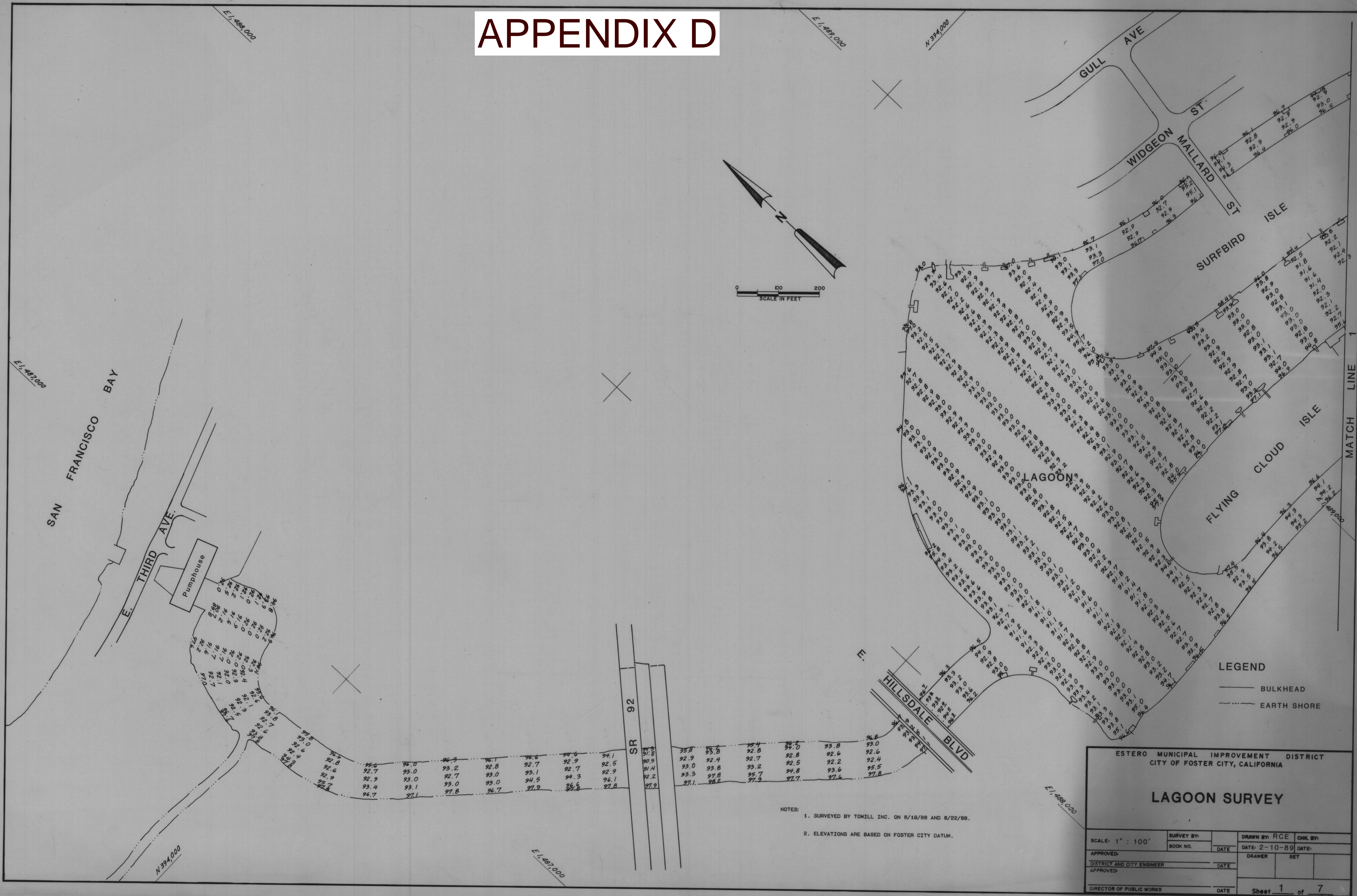
Ralston Ave Marine World Pkwy

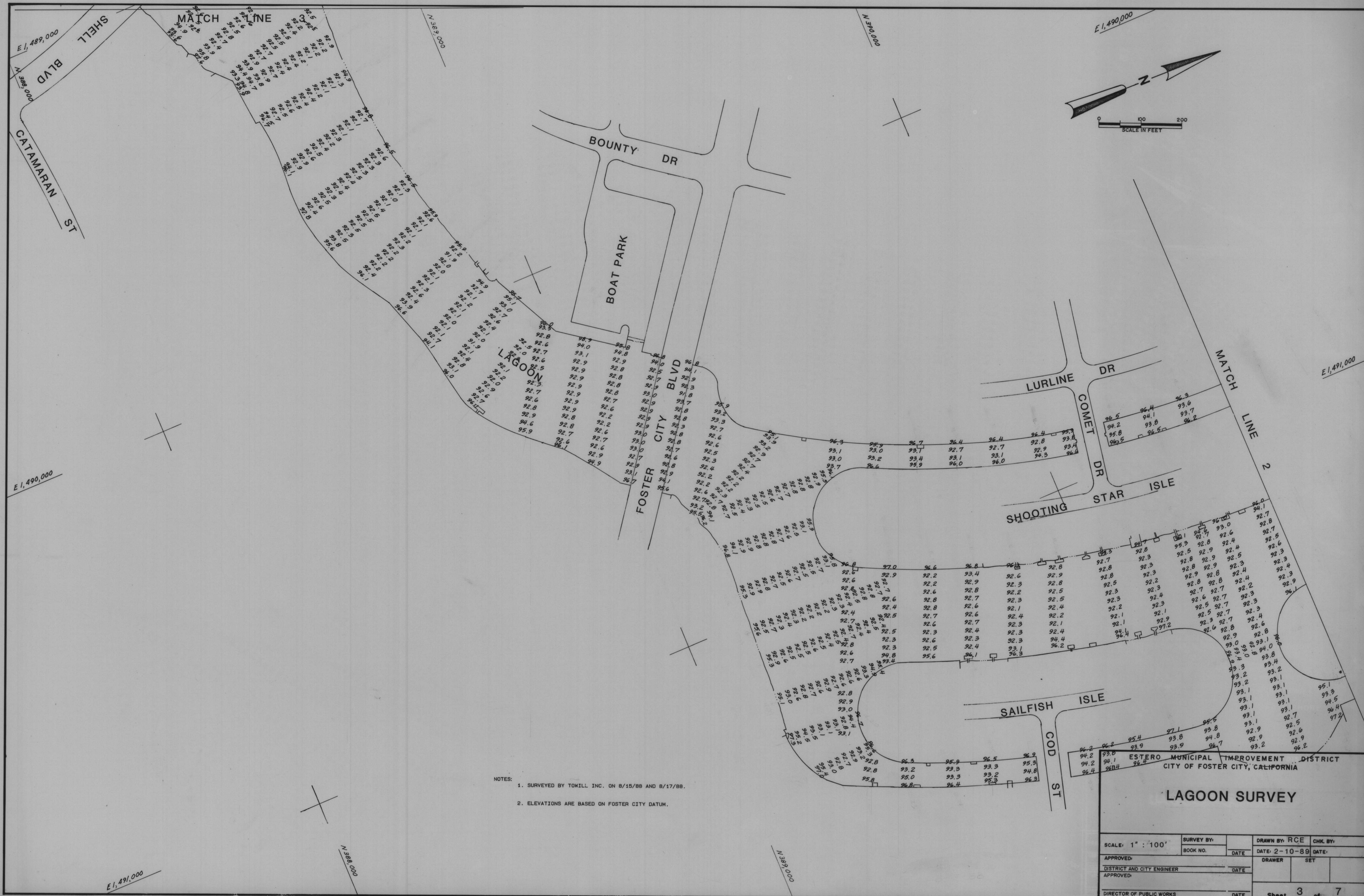
HARRIS & ASSOCIATES
Consulting Engineers
Lafayette, California

FOSTER CITY LAGOON
DEPTH CHART

SCALE: 1"=400'

APPENDIX D





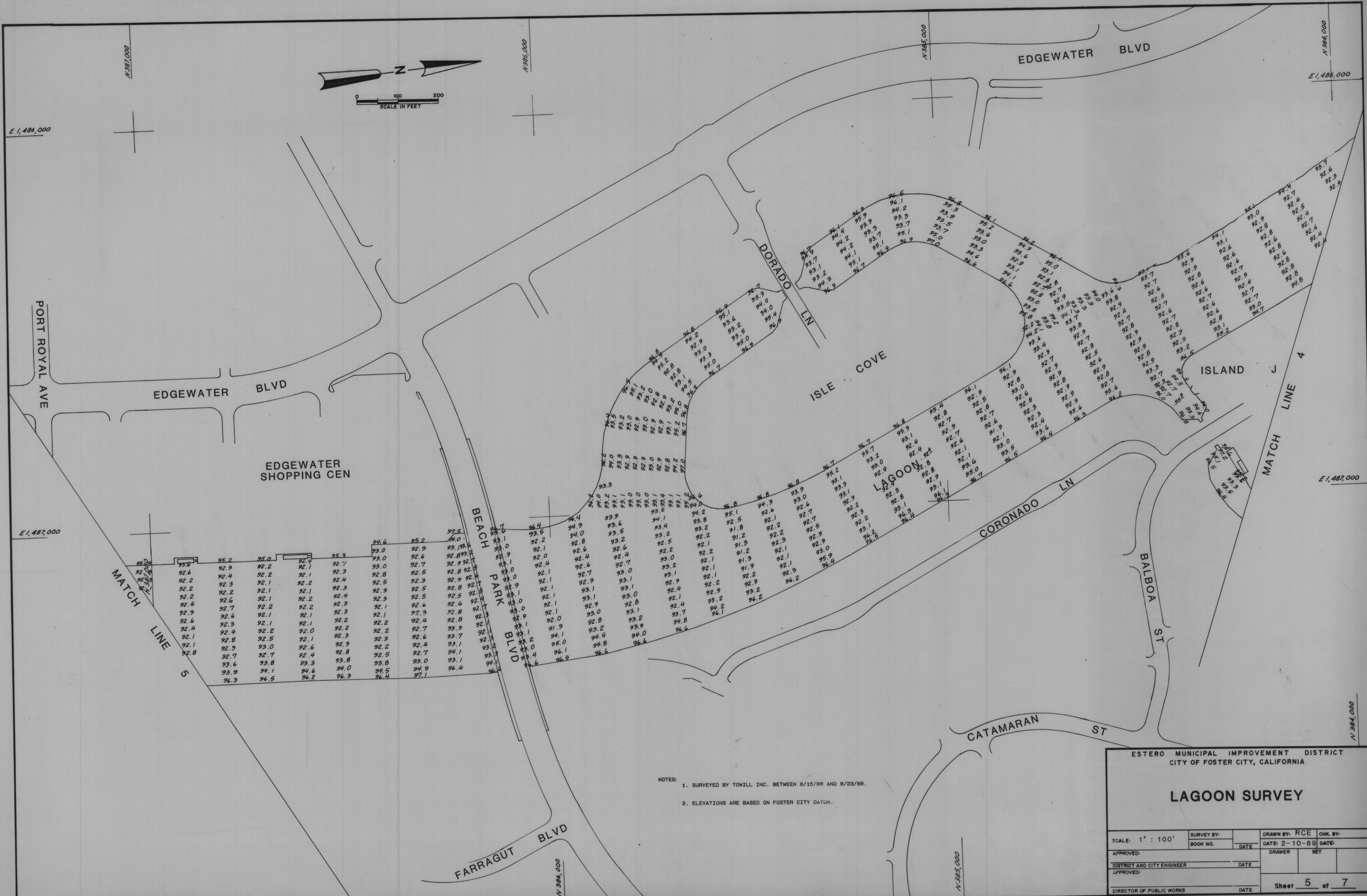


NOTES:
1. SURVEYED BY TOWILL INC. ON 8/15/88 AND 8/18/88.
2. ELEVATIONS ARE BASED ON FOSTER CITY DATUM.

ESTERO MUNICIPAL IMPROVEMENT DISTRICT
CITY OF FOSTER CITY, CALIFORNIA

LAGOON SURVEY

SCALE: 1" = 100'	SURVEY BY:	DRAWN BY: RCE	CHK. BY:
	BOOK NO.	DATE	DATE: 2-10-89
APPROVED:		DRAWER	SET
DISTRICT AND CITY ENGINEER	DATE		
APPROVED:			
DIRECTOR OF PUBLIC WORKS	DATE	Sheet 4	of 7

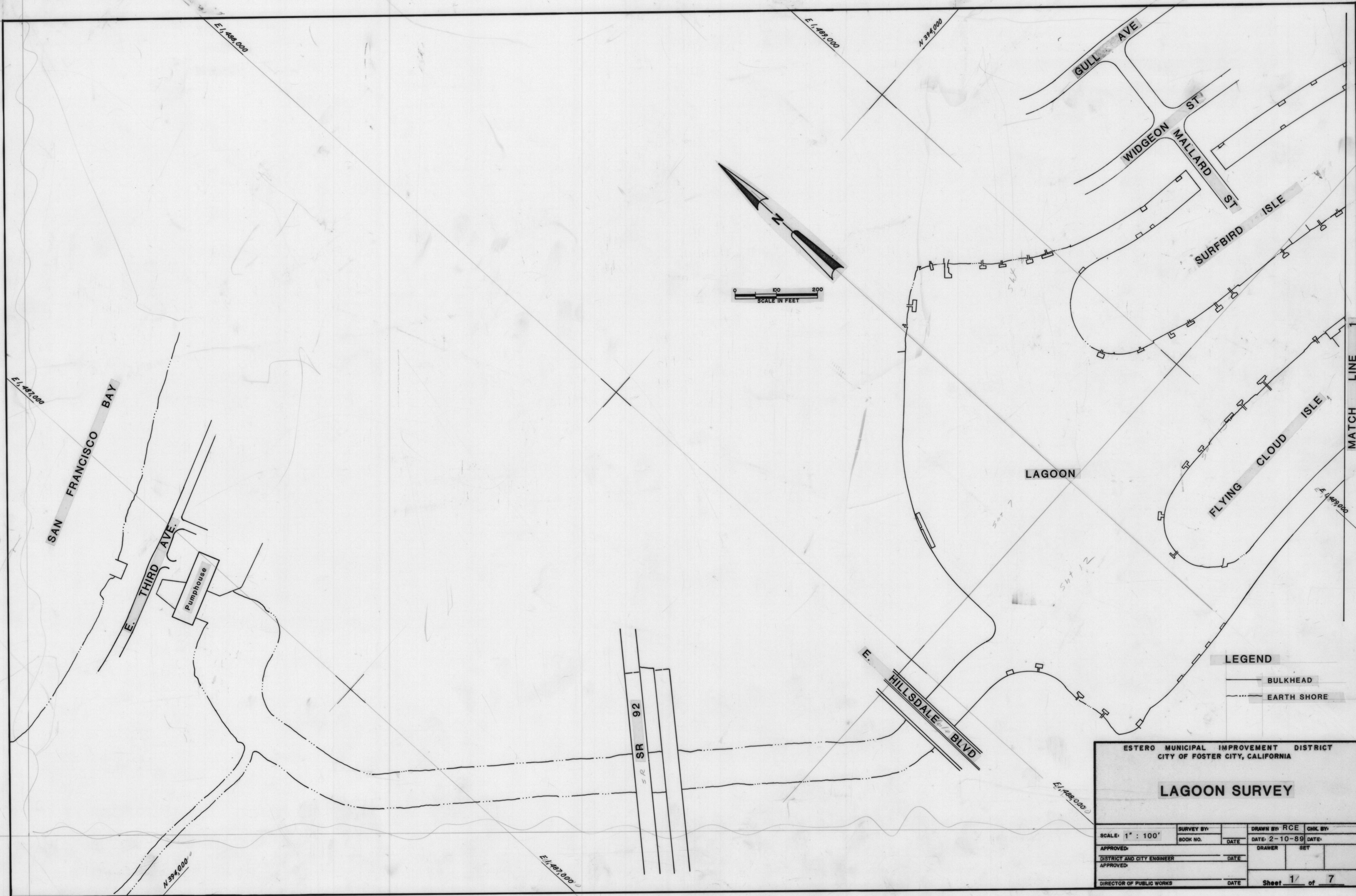


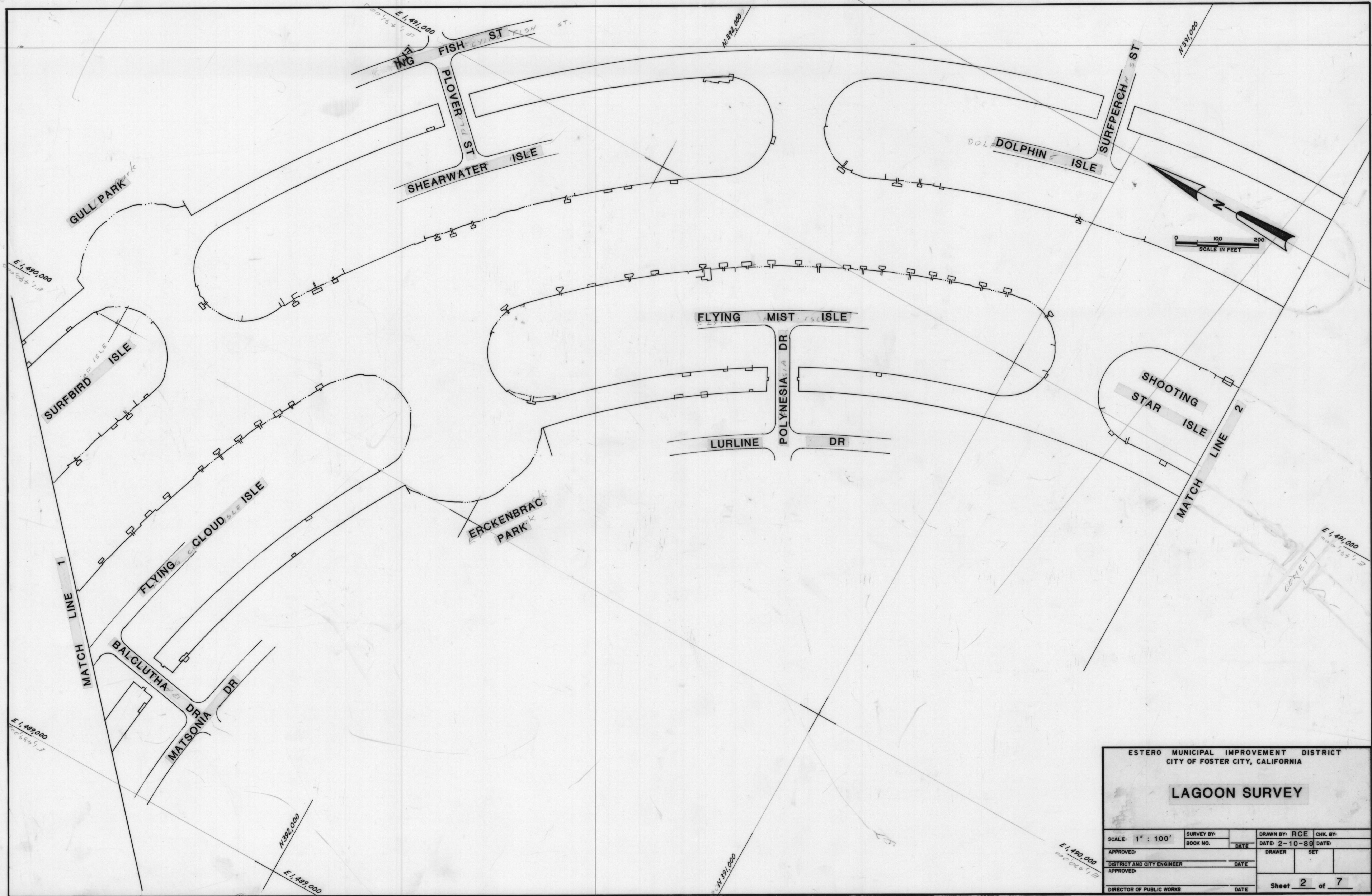
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1. SURVEYED BY TOWILL INC. BETWEEN 8/15/88 AND 8/23/88.
2. ELEVATIONS ARE BASED ON FOSTER CITY DATUM.

ESTERO MUNICIPAL IMPROVEMENT DISTRICT CITY OF FOSTER CITY, CALIFORNIA			
LAGOON SURVEY			
SCALE: 1" = 100'	SURVEY BY:	DRAWN BY: RCE	CHK. BY:
	BOOK NO.	DATE:	DATE:
APPROVED:		DRAWER	SET
DISTRICT AND CITY ENGINEER	DATE:		
APPROVED:			
DIRECTOR OF PUBLIC WORKS	DATE:	Sheet 5 of 7	

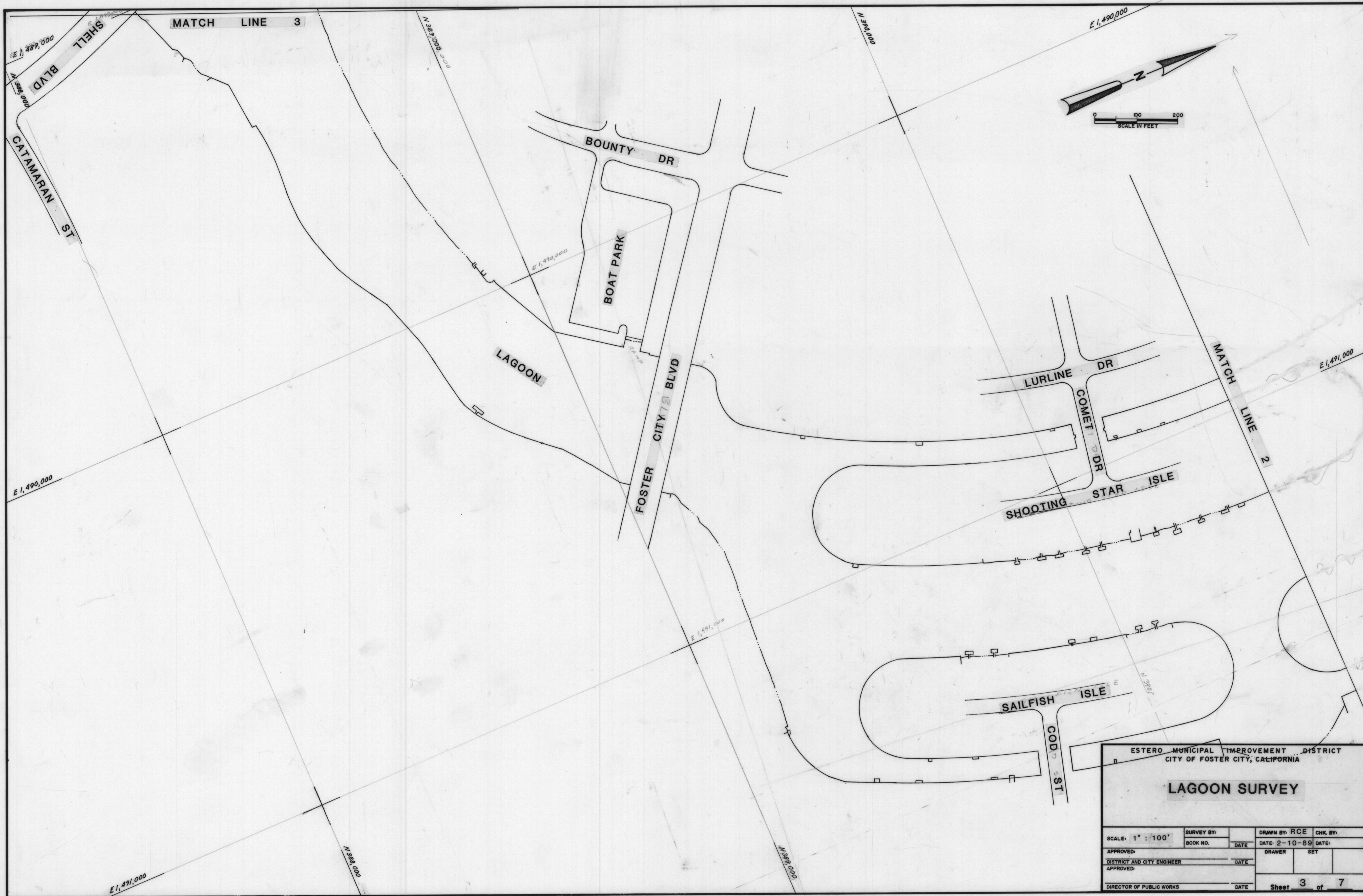


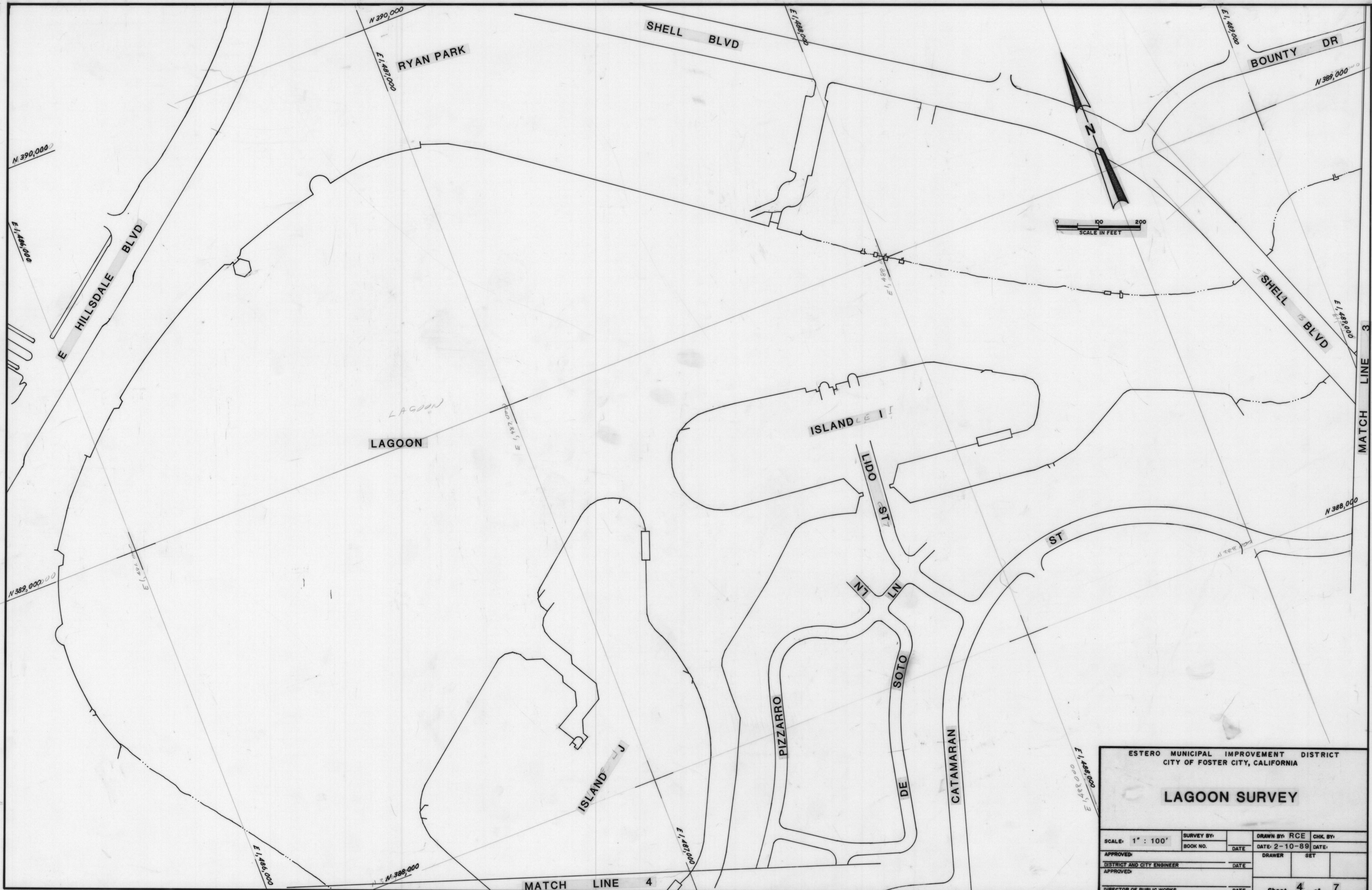
NOTES:
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2. ELEVATIONS ARE BASED ON FOSTER CITY DATUM.



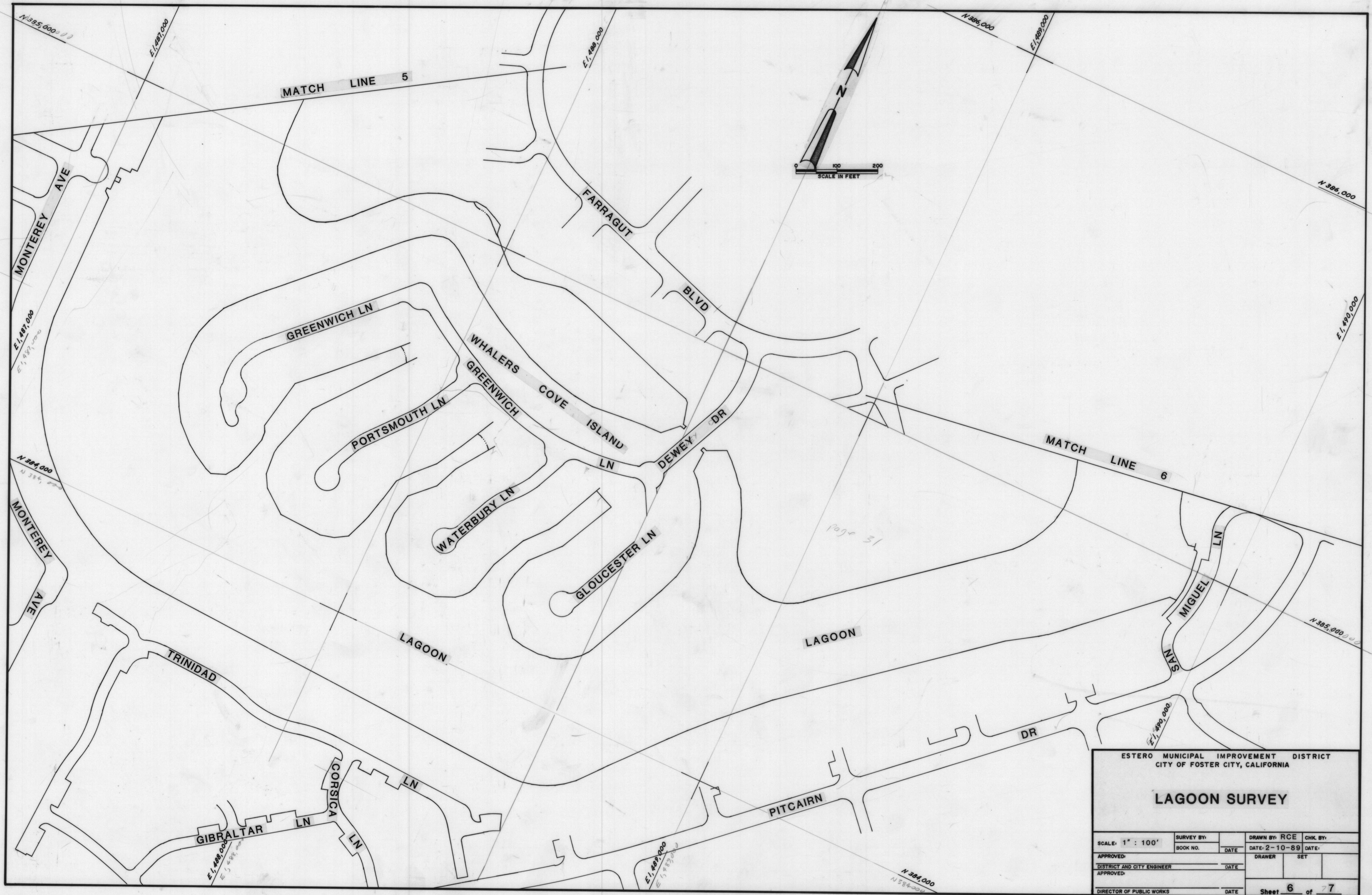


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LAGOON SURVEY			
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APPROVED:	BOOK NO.	DATE:	DATE: 2-10-89
DISTRICT AND CITY ENGINEER	DATE:	DRAWER	SET
DIRECTOR OF PUBLIC WORKS	DATE:	Sheet 2 of 7	

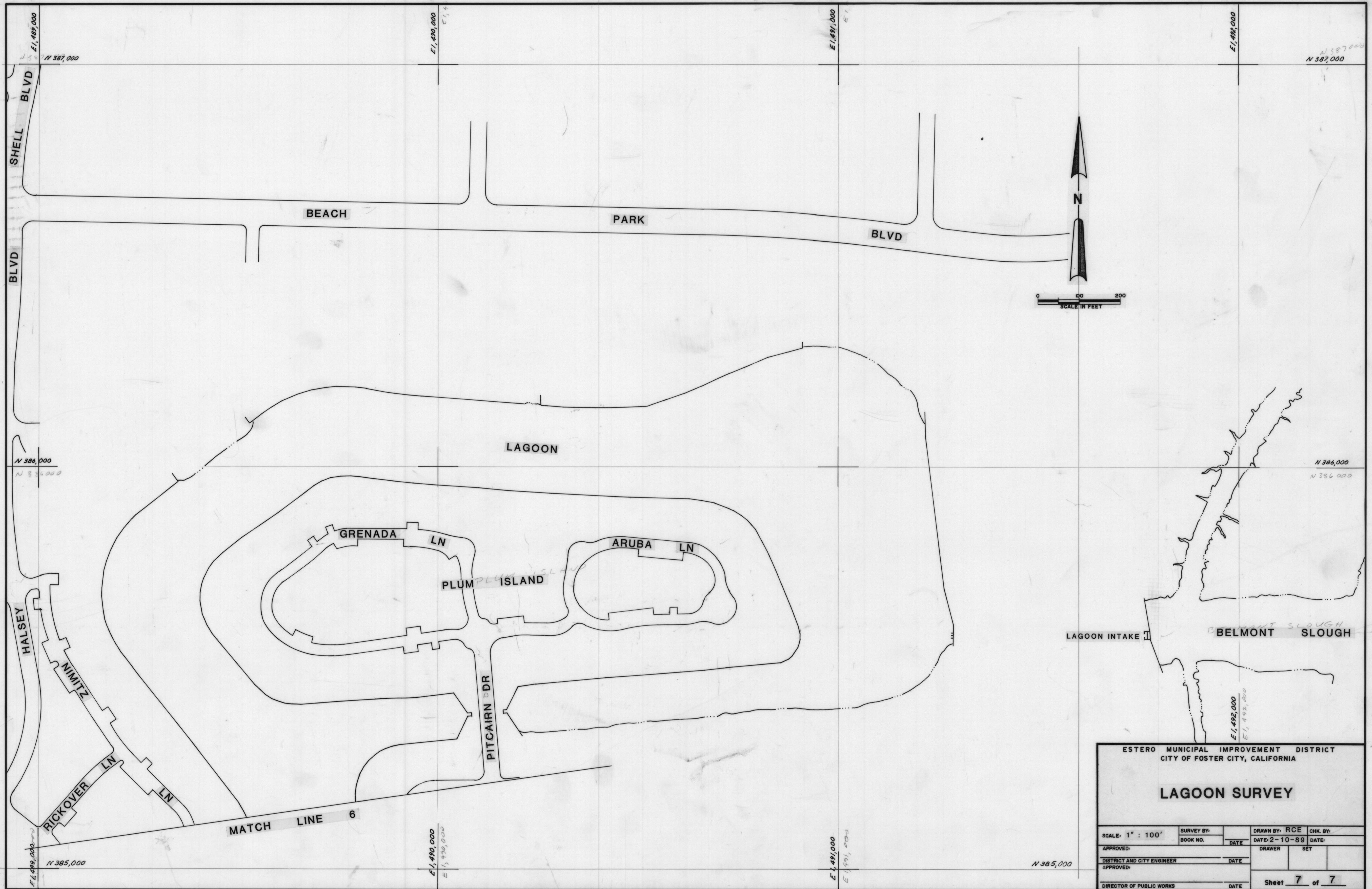




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LAGOON SURVEY			
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APPROVED:			
DIRECTOR OF PUBLIC WORKS		DATE	
Sheet 4 of 7			



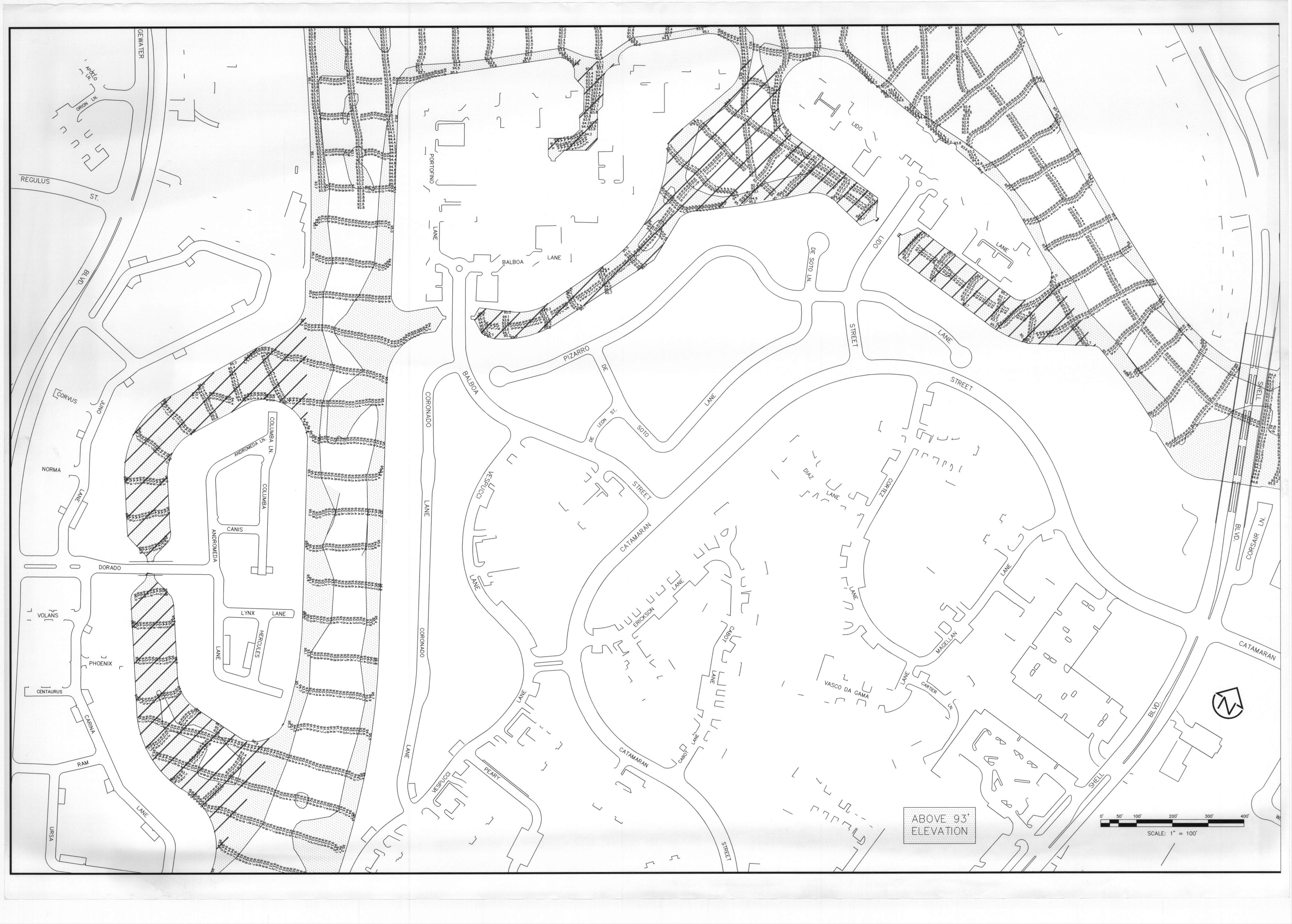
ESTERO MUNICIPAL IMPROVEMENT DISTRICT CITY OF FOSTER CITY, CALIFORNIA			
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	BOOK NO.	DATE:	DATE:
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DISTRICT AND CITY ENGINEER	DATE		
APPROVED:			
DIRECTOR OF PUBLIC WORKS	DATE	Sheet 6 of 7	

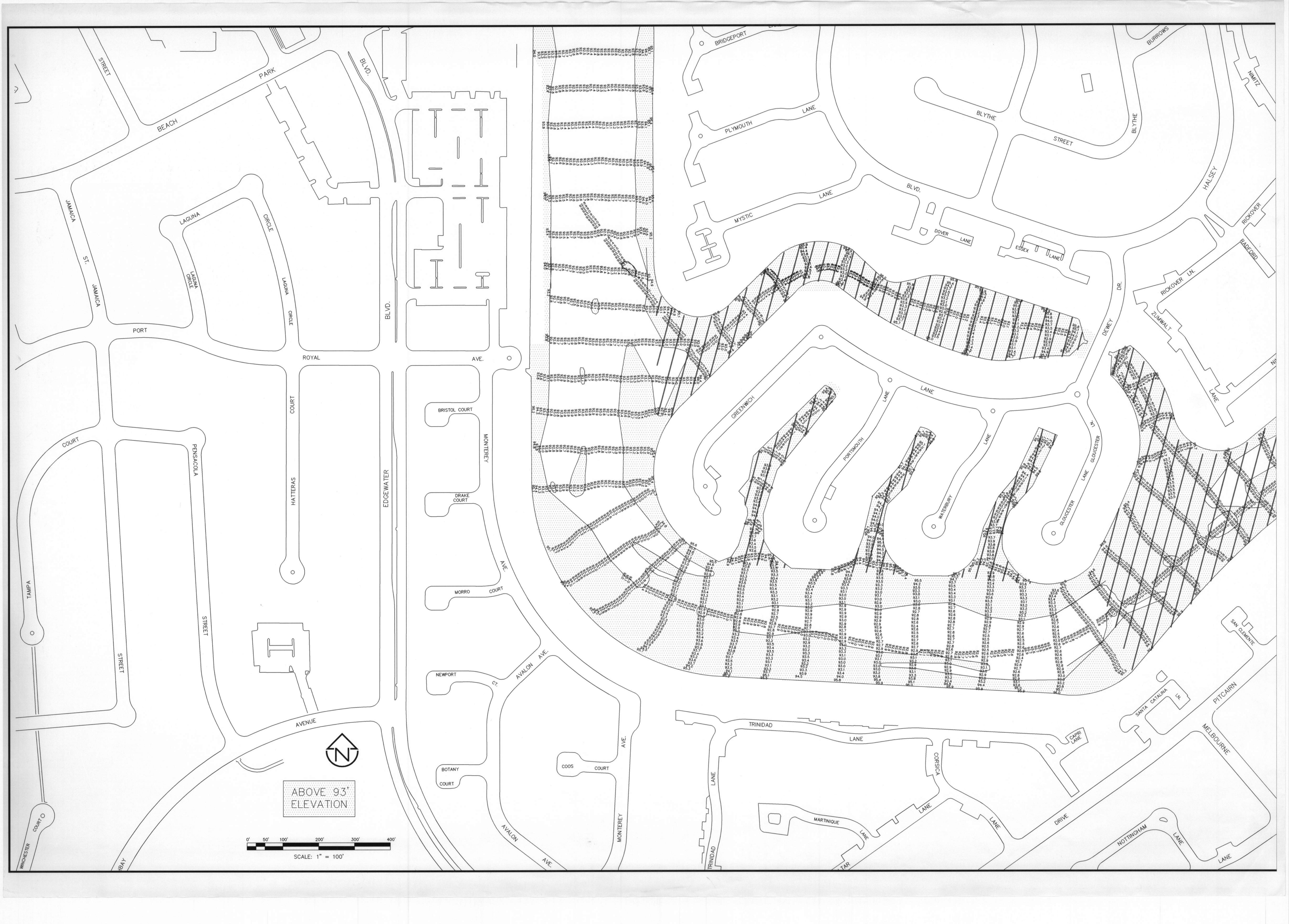


ESTERO MUNICIPAL IMPROVEMENT DISTRICT CITY OF FOSTER CITY, CALIFORNIA			
LAGOON SURVEY			
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	BOOK NO.	DATE: 2-10-89	DATE:
APPROVED:		DRAWER	SET
DISTRICT AND CITY ENGINEER	DATE:		
APPROVED:			
DIRECTOR OF PUBLIC WORKS	DATE:	Sheet <u>7</u> of <u>7</u>	

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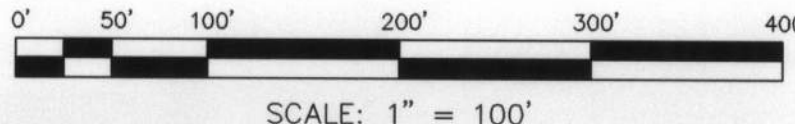




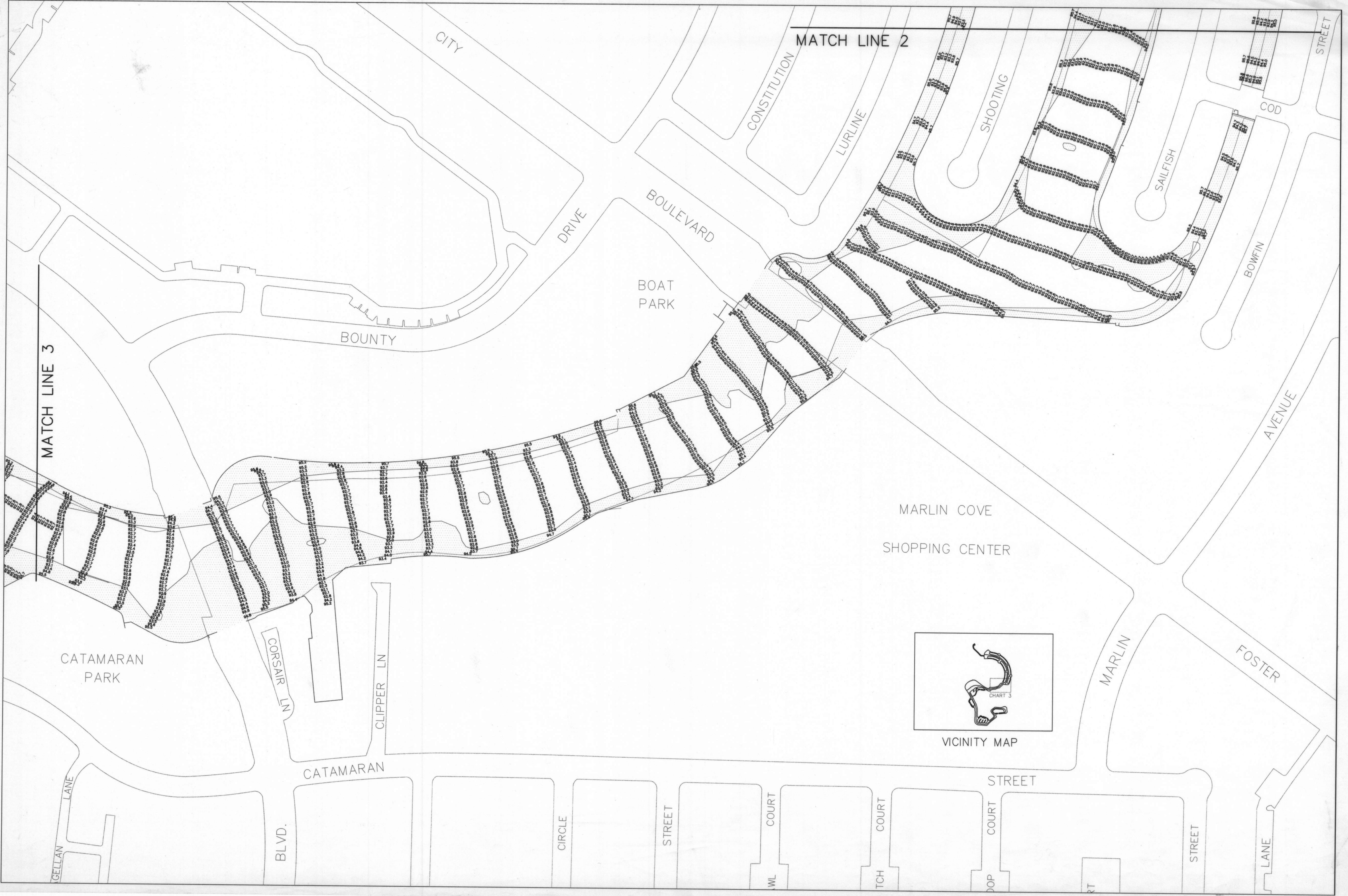


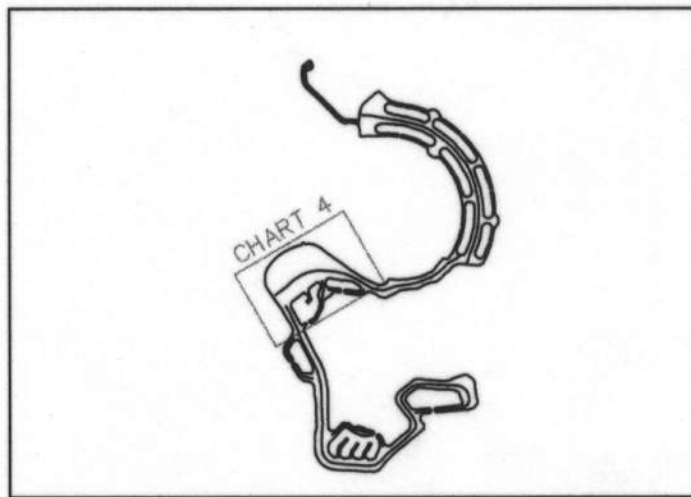


ABOVE 93'
ELEVATION

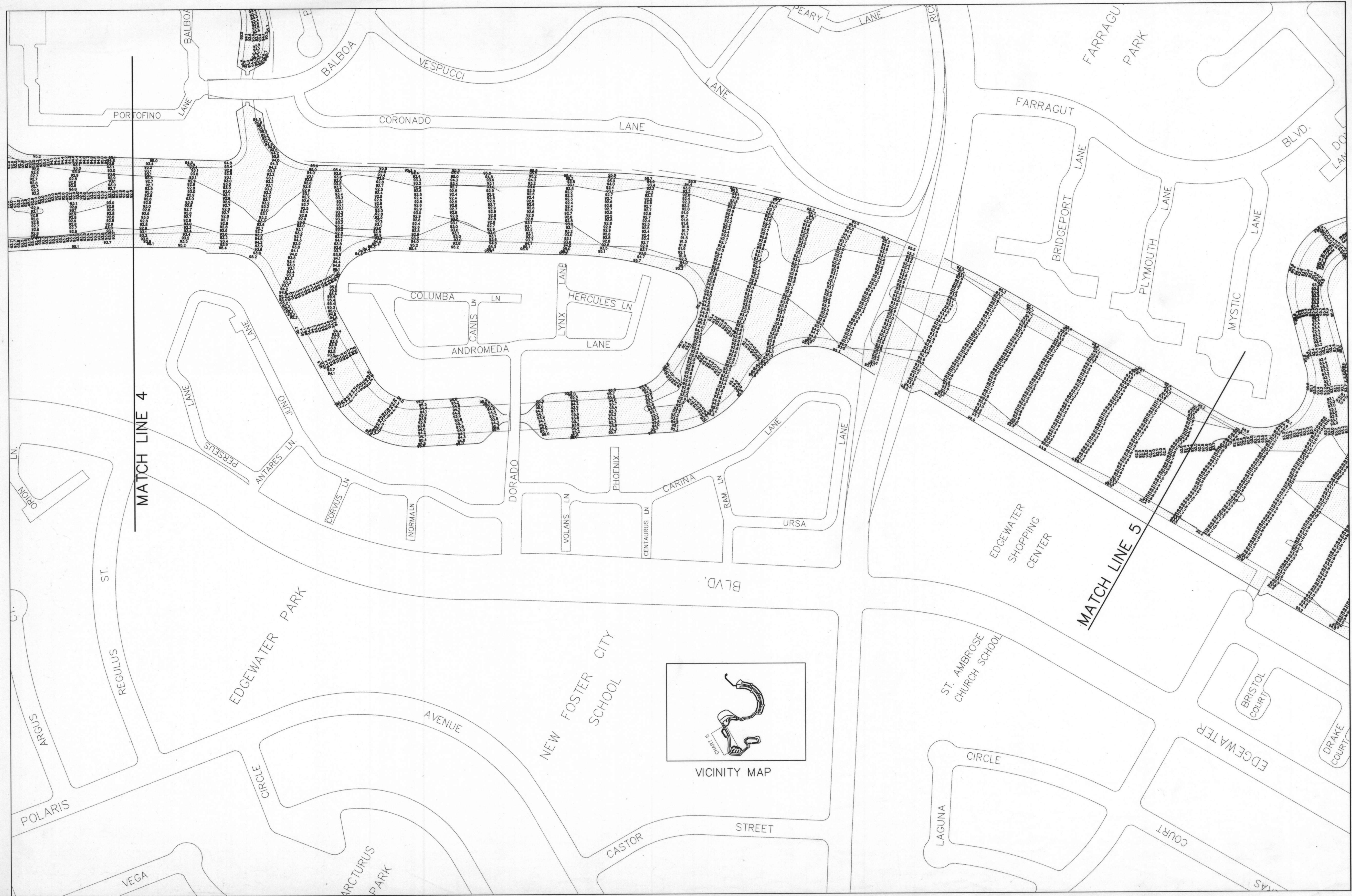






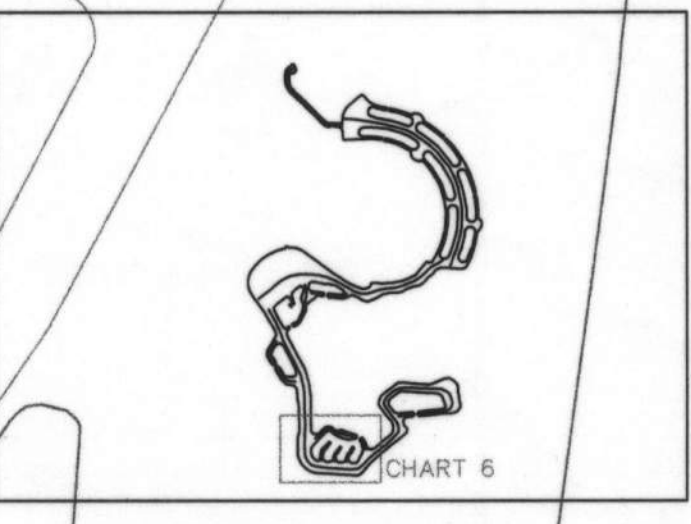


VICINITY MAP

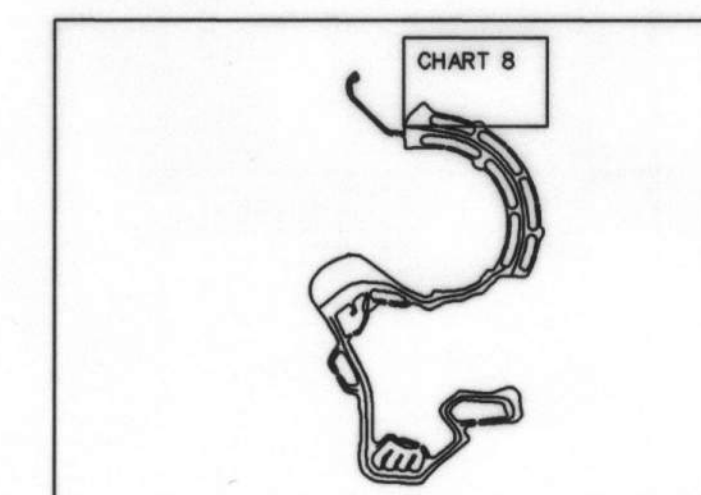


MATCH LINE 5

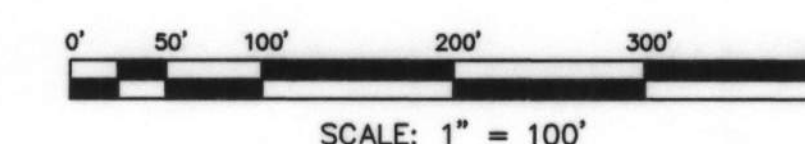
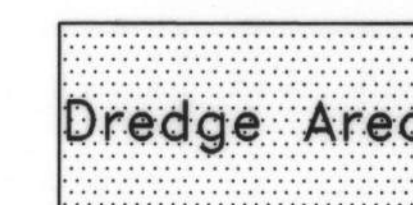
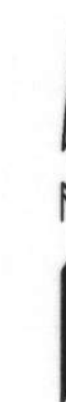
MATCH LINE 6



VICINITY MAP



VICINITY MAP



SCALE: 1" = 100'

NOTES:

Bathymetric data is from a survey conducted by Sea Surveyor, Inc. on 2, 3, 7, and 9 November 1995 and represents the seafloor conditions present on those dates.

The hydrographic survey was conducted using Class 2 hydrographic survey methods and accuracies outlined in the Corps of Engineers' HYDROGRAPHIC SURVEYING MANUAL (EM 1110-2-1003, October 1994). The survey was performed using a 16' survey boat, a TRIMBLE 4000 SSI differential GPS navigation system, and an INnersPACE Model 448 survey-grade fathometer.

Horizontal positions are referenced to the (NAD 1983) California State Plane Coordinate System, Zone 3.

Soundings are in feet, and are referenced to the City of Foster City vertical datum.

Location of piers, docks, shoreline, and other land features shown on the bathymetric chart are approximate, and were furnished by the City of Foster City.

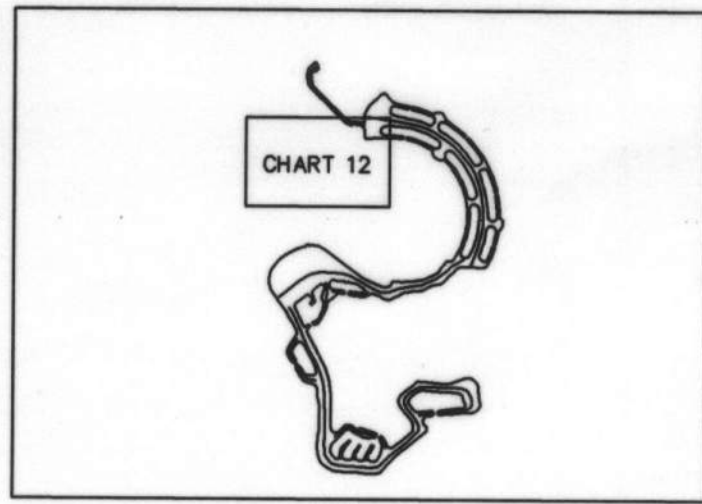
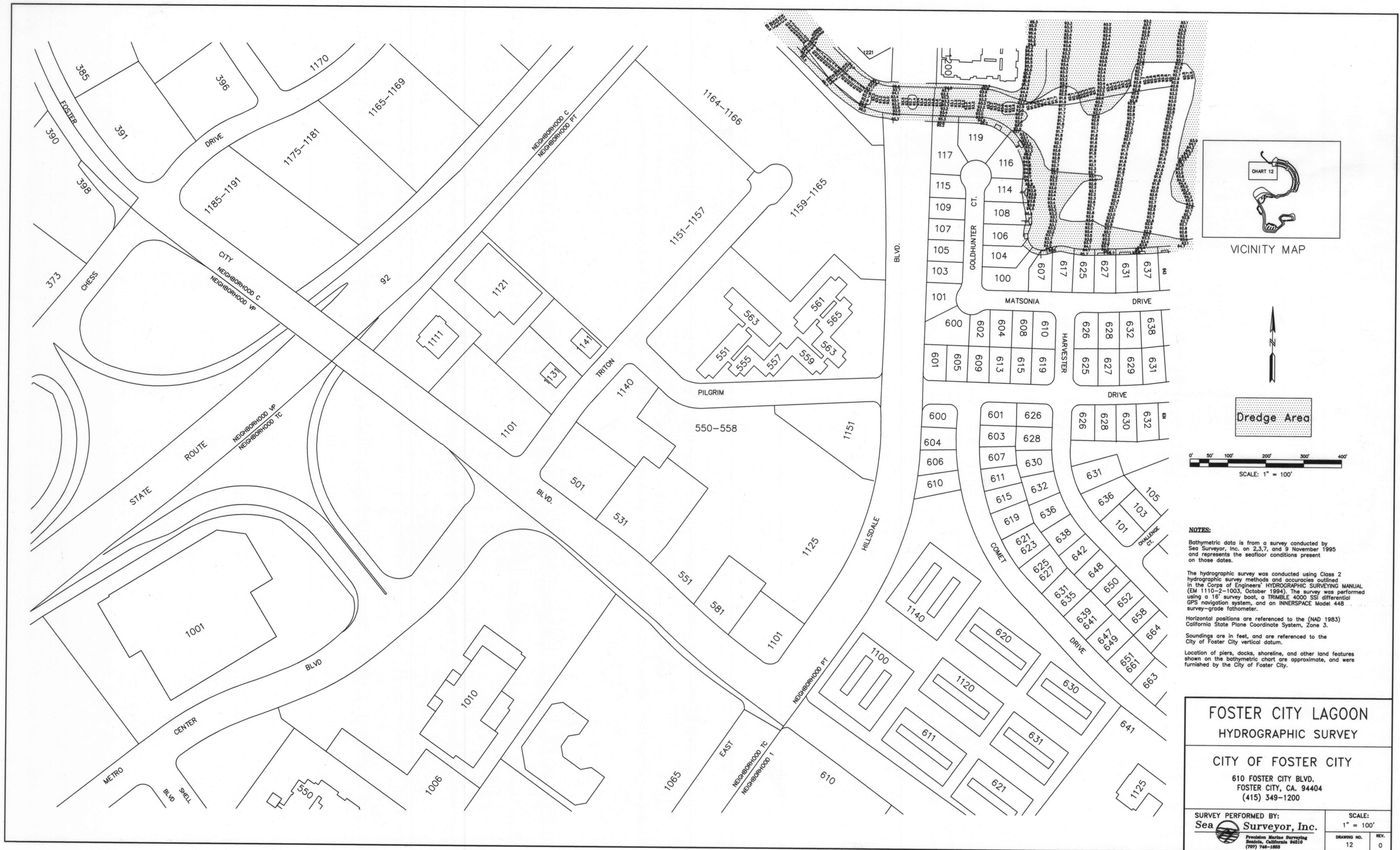
**FOSTER CITY LAGOON
HYDROGRAPHIC SURVEY**

CITY OF FOSTER CITY

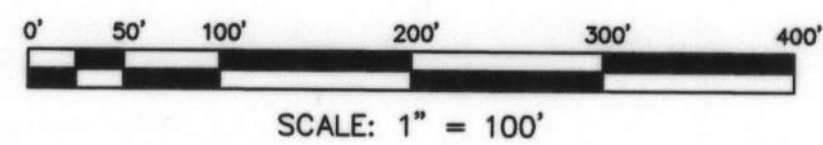
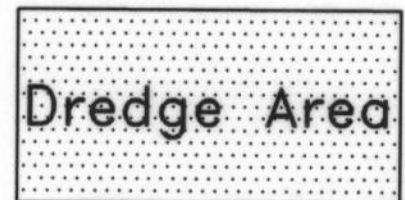
610 FOSTER CITY BLVD.
FOSTER CITY, CA. 94404
(415) 349-1200

SURVEY PERFORMED BY:
Sea Surveyor, Inc.
Precision Marine Surveying
Benito, California 94610
(916) 746-1685

SCALE:
1" = 100'
DRAWING NO. 8
REV. 0



VICINITY MAP



SCALE: 1" = 100'

NOTES:

Bathymetric data is from a survey conducted by Sea Surveyor, Inc. on 2.3.7, and 9 November 1995 and represents the seafloor conditions present on those dates.

The hydrographic survey was conducted using Class 2 hydrographic survey methods and accuracies outlined in the Corps of Engineers' HYDROGRAPHIC SURVEYING MANUAL (EM 1110-2-1003, October 1994). The survey was performed using a 16' survey boat, a TRIMBLE 4000 SSI differential GPS navigation system, and an INNERSPACE Model 448 survey-grade fathometer.

Horizontal positions are referenced to the (NAD 1983) California State Plane Coordinate System, Zone 3.

Soundings are in feet, and are referenced to the City of Foster City vertical datum.

Location of piers, docks, shoreline, and other land features shown on the bathymetric chart are approximate, and were furnished by the City of Foster City.

FOSTER CITY LAGOON
HYDROGRAPHIC SURVEY

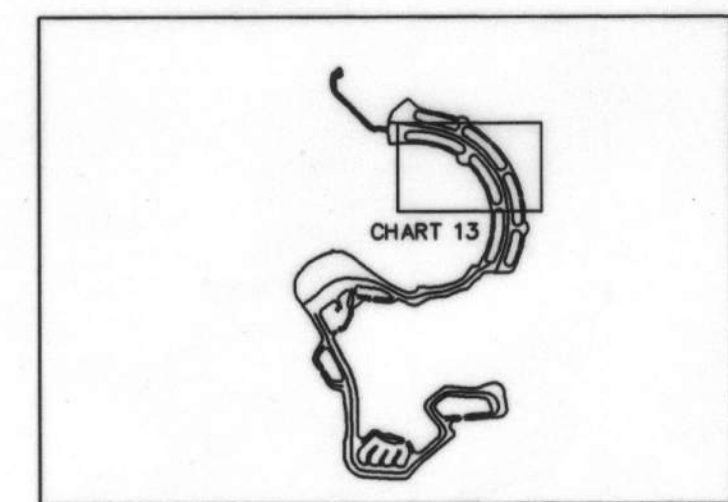
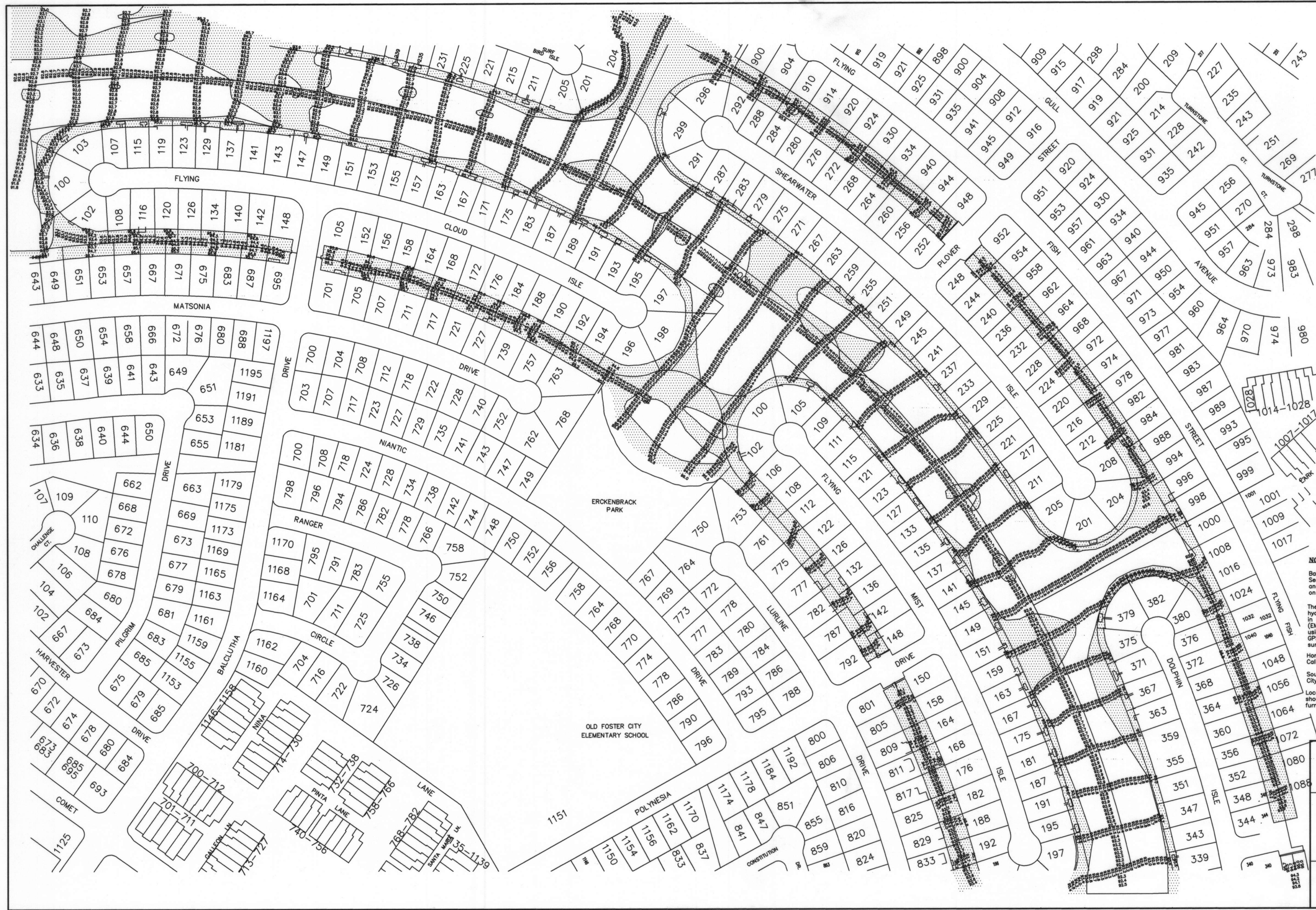
CITY OF FOSTER CITY

610 FOSTER CITY BLVD.
FOSTER CITY, CA. 94404
(415) 349-1200

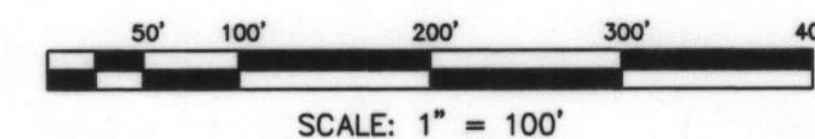
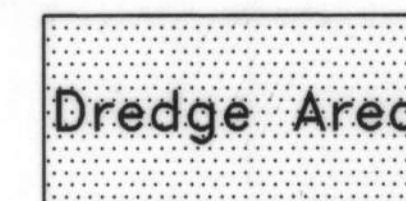
SURVEY PERFORMED BY:
Sea Surveyor, Inc.
Precision Marine Surveying
Benicia, California 94610
(707) 748-1888

SCALE:
1" = 100'

DRAWING NO. 12
REV. 0



VICINITY MAP



SCALE: 1" = 100'

NOTES:

Bathymetric data is from a survey conducted by Sea Surveyor, Inc. on 2,3,7, and 9 November 1995 and represents the seafloor conditions present on those dates.

The hydrographic survey was conducted using Class 2 hydrographic survey methods and accuracies outlined in the Corps of Engineers' HYDROGRAPHIC SURVEYING MANUAL (EM 1110-2-1003, October 1994). The survey was performed using a 16' survey boat, a TRIMBLE 4000 SSI differential GPS navigation system, and an INNERSPACE Model 448 survey-grade fathometer.

Horizontal positions are referenced to the (NAD 1983) California State Plane Coordinate System, Zone 3.

Soundings are in feet, and are referenced to the City of Foster City vertical datum.

Location of piers, docks, shoreline, and other land features shown on the bathymetric chart are approximate, and were furnished by the City of Foster City.

FOSTER CITY LAGOON HYDROGRAPHIC SURVEY

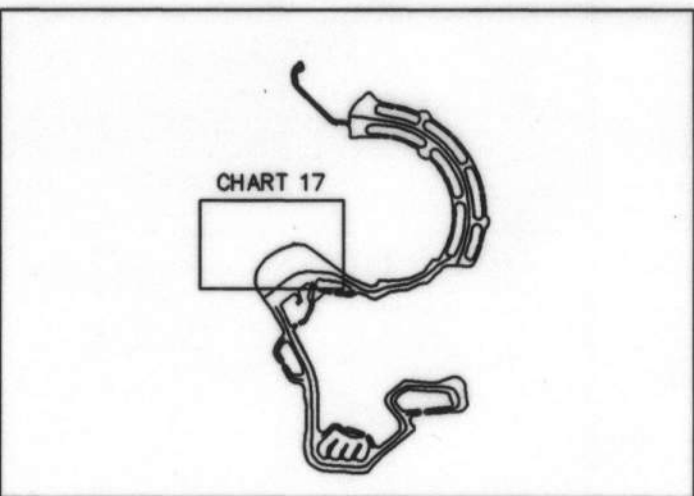
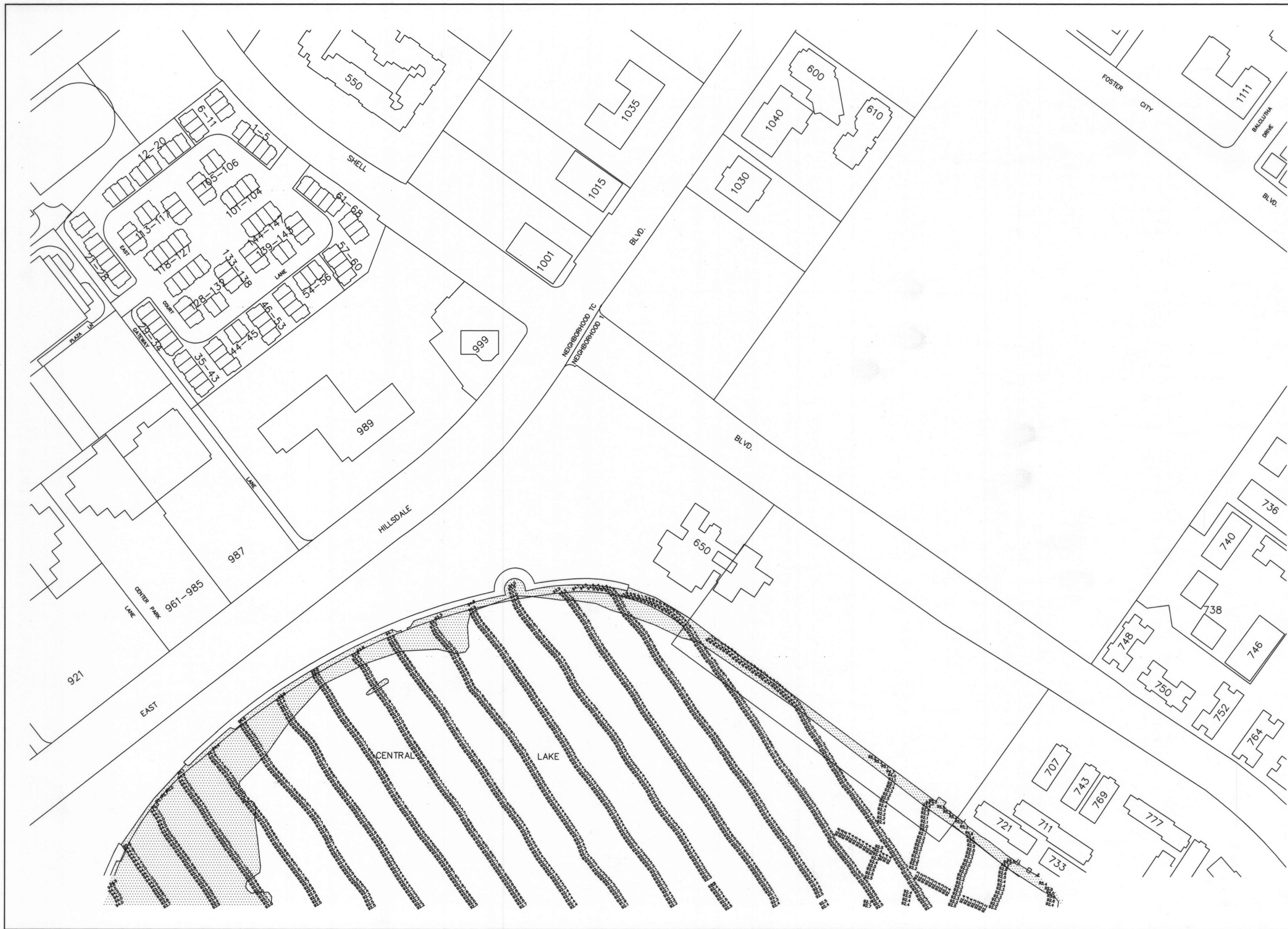
CITY OF FOSTER CITY

610 FOSTER CITY BLVD.
FOSTER CITY, CA. 94404
(415) 349-1200

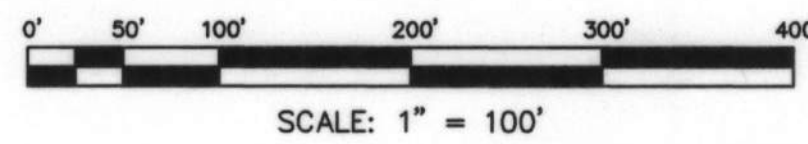
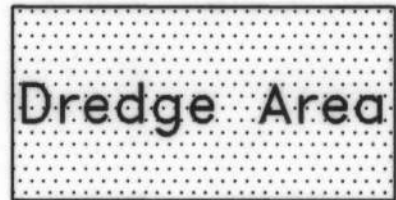
SURVEY PERFORMED BY:
Sea Surveyor, Inc.

Precision Marine Surveying
Berkeley, California 94710
(707) 746-1868

SCALE:
1" = 100'
DRAWING NO. REV.
13 0



VICINITY MAP



NOTES:

Bathymetric data is from a survey conducted by Sea Surveyor, Inc. on 2,3,7, and 9 November 1995 and represents the seafloor conditions present on those dates.

The hydrographic survey was conducted using Class 2 hydrographic survey methods and accuracies outlined in the Corps of Engineers' HYDROGRAPHIC SURVEYING MANUAL (EM 1110-2-1003, October 1994). The survey was performed using a 16' survey boat, a TRIMBLE 4000 SSI differential GPS navigation system, and an INNERSPACE Model 448 survey-grade fathometer.

Horizontal positions are referenced to the (NAD 1983) California State Plane Coordinate System, Zone 3.

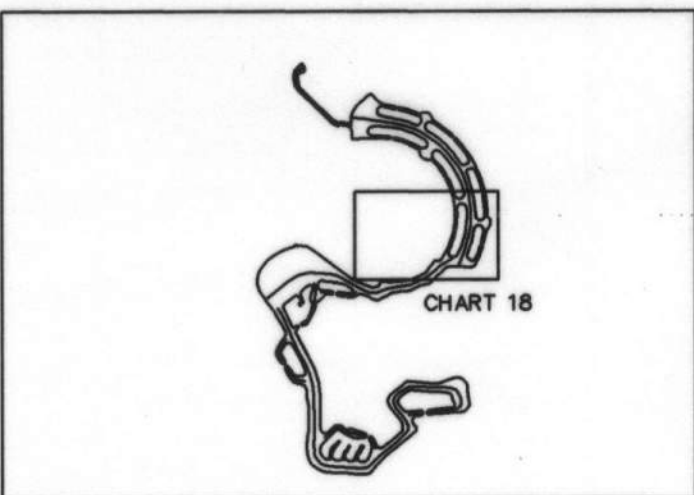
Soundings are in feet, and are referenced to the City of Foster City vertical datum.

Location of piers, docks, shoreline, and other land features shown on the bathymetric chart are approximate, and were furnished by the City of Foster City.

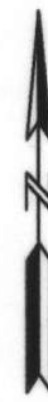
FOSTER CITY LAGOON
HYDROGRAPHIC SURVEY

CITY OF FOSTER CITY
610 FOSTER CITY BLVD.
FOSTER CITY, CA. 94404
(415) 349-1200

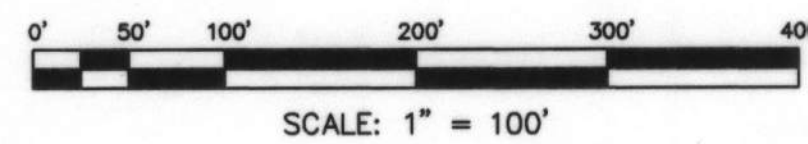
SURVEY PERFORMED BY: Sea Surveyor, Inc. <small>Precision Marine Surveying San Jose, California 95131 (707) 746-1853</small>		SCALE: 1" = 100'	
DRAWING NO.	17	REV.	0



VICINITY MAP



Dredge Area



NOTES:

Bathymetric data is from a survey conducted by Sea Surveyor, Inc. on 2,3,7, and 9 November 1995 and represents the seafloor conditions present on those dates.

The hydrographic survey was conducted using Class 2 hydrographic survey methods and accuracies outlined in the Corps of Engineers' HYDROGRAPHIC SURVEYING MANUAL (EM 1110-2-1003, October 1994). The survey was performed using a 16' survey boat, a TRIMBLE 4000 SSI differential GPS navigation system, and an INNERSPACE Model 448 survey-grade fathometer.

Horizontal positions are referenced to the (NAD 1983) California State Plane Coordinate System, Zone 3.

Soundings are in feet, and are referenced to the City of Foster City vertical datum.

Location of piers, docks, shoreline, and other land features shown on the bathymetric chart are approximate, and were furnished by the City of Foster City.

FOSTER CITY LAGOON
HYDROGRAPHIC SURVEY

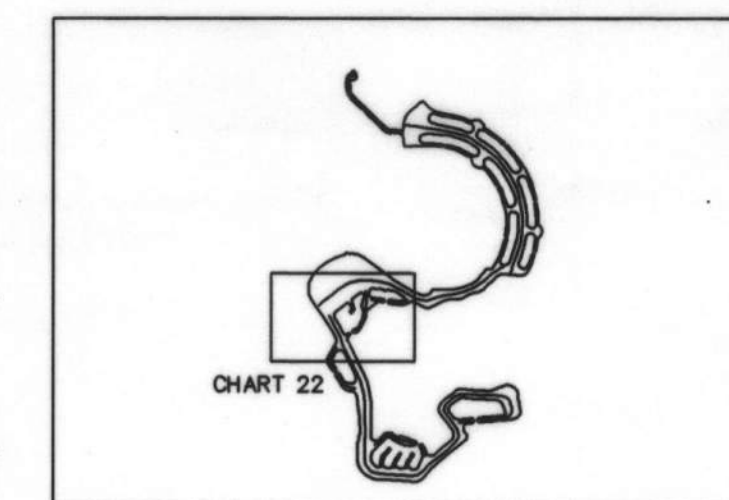
CITY OF FOSTER CITY

610 FOSTER CITY BLVD.
FOSTER CITY, CA. 94404
(415) 349-1200

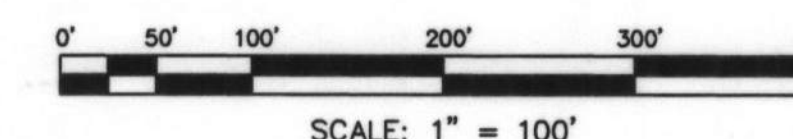
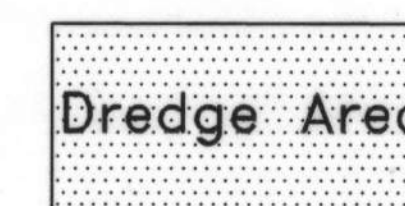
SURVEY PERFORMED BY:
Sea Surveyor, Inc.

Precision Marine Surveying
Berkeley, California 94610
(707) 746-1883

SCALE: 1" = 100'	REV. 0
DRAWING NO. 18	



VICINITY MAP



NOTES:

Bathymetric data is from a survey conducted by Sea Surveyor, Inc. on 2,3,7, and 9 November 1995 and represents the seafloor conditions present on those dates.

The hydrographic survey was conducted using Class 2 hydrographic survey methods and accuracies outlined in the Corps of Engineers' HYDROGRAPHIC SURVEYING MANUAL (EM 1110-2-1003, October 1994). The survey was performed using a 16' survey boat, a TRIMBLE 4000 SSI differential GPS navigation system, and an INNERSPACE Model 448 survey-grade fathometer.

Horizontal positions are referenced to the (NAD 1983) California State Plane Coordinate System, Zone 3.

Soundings are in feet, and are referenced to the City of Foster City vertical datum.

Location of piers, docks, shoreline, and other land features shown on the bathymetric chart are approximate, and were furnished by the City of Foster City.

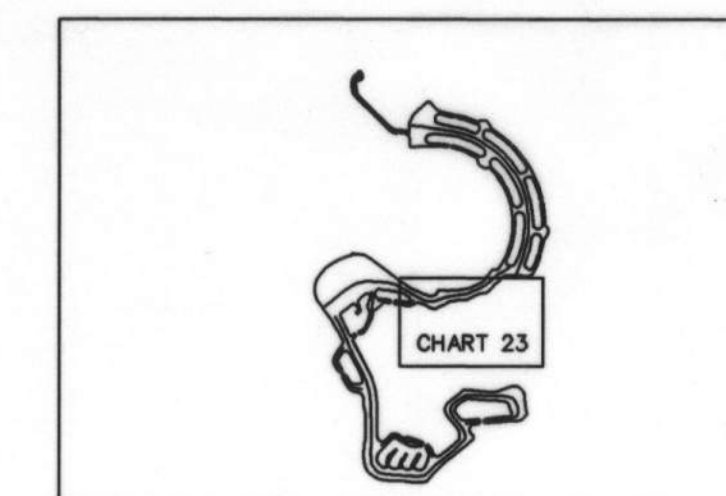
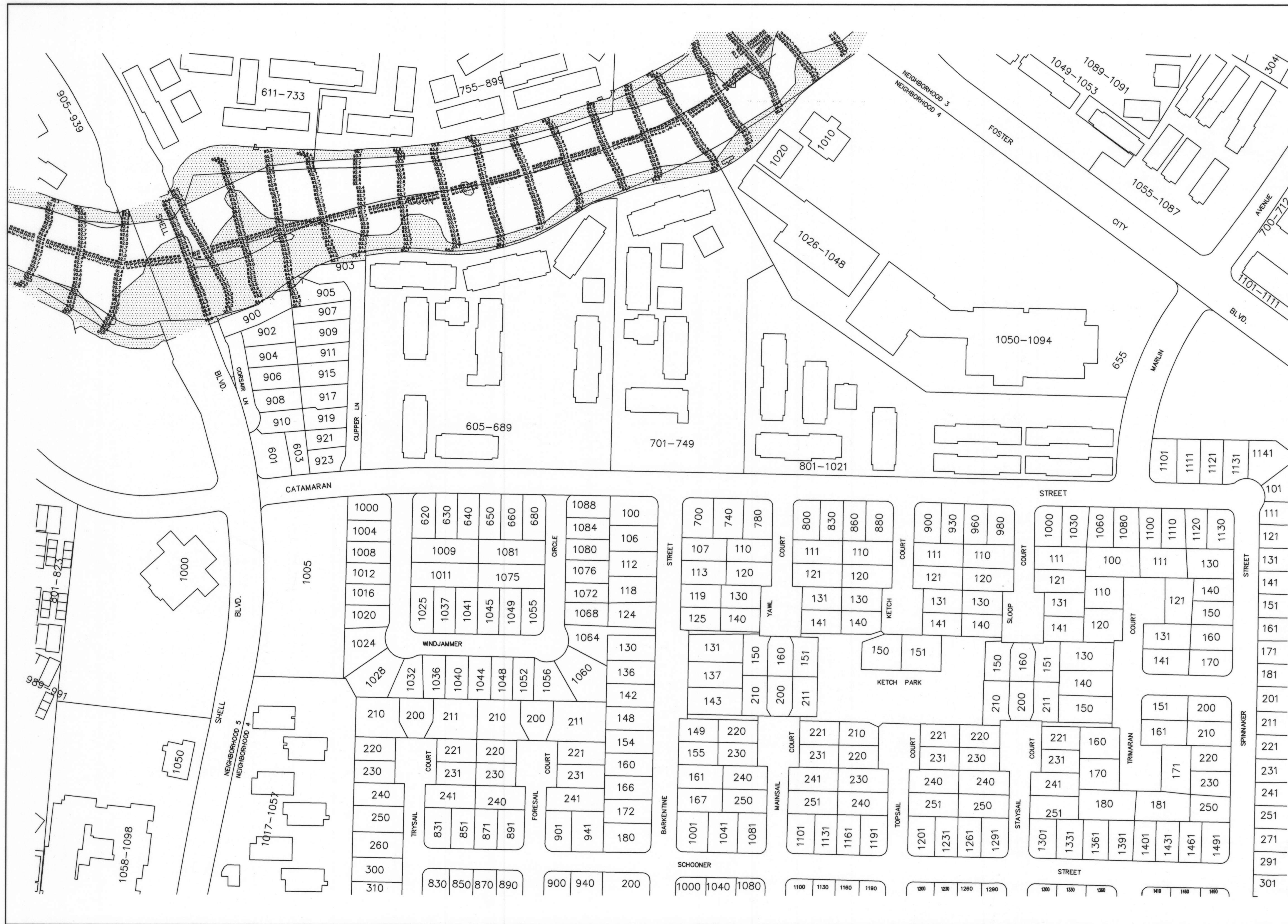
FOSTER CITY LAGOON HYDROGRAPHIC SURVEY

CITY OF FOSTER CITY

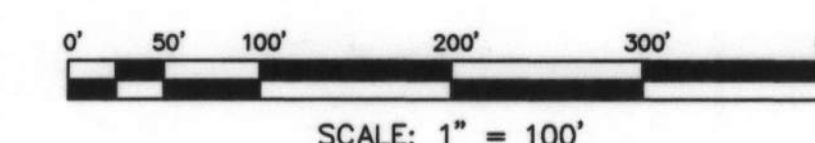
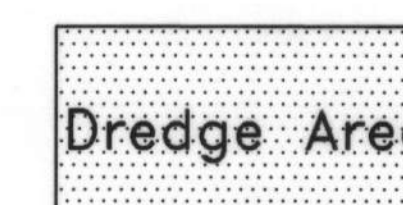
610 FOSTER CITY BLVD.
FOSTER CITY, CA. 94404
(415) 349-1200

SURVEY PERFORMED BY:
Sea Surveyor, Inc.
Precision Marine Surveying
Brisbane, California 94810
(707) 744-1853

SCALE:
1" = 100'
DRAWING NO. 22
REV. 0



VICINITY MAP



NOTES:

Bathymetric data is from a survey conducted by Sea Surveyor, Inc. on 2,3,7, and 9 November 1995 and represents the seafloor conditions present on those dates.

The hydrographic survey was conducted using Class 2 hydrographic survey methods and accuracies outlined in the Corps of Engineers' HYDROGRAPHIC SURVEYING MANUAL (EM 1110-2-1003, October 1994). The survey was performed using a 16' survey boat, a TRIMBLE 4000 SSI differential GPS navigation system, and an INNERSPACE Model 448 survey-grade fathometer.

Horizontal positions are referenced to the (NAD 1983) California State Plane Coordinate System, Zone 3.

Soundings are in feet, and are referenced to the City of Foster City vertical datum.

Location of piers, docks, shoreline, and other land features shown on the bathymetric chart are approximate, and were furnished by the City of Foster City.

**FOSTER CITY LAGOON
HYDROGRAPHIC SURVEY**

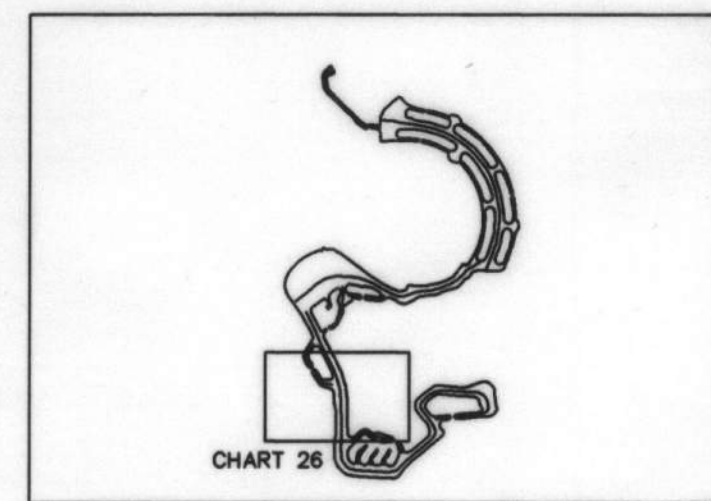
CITY OF FOSTER CITY

610 FOSTER CITY BLVD.
FOSTER CITY, CA. 94404
(415) 349-1200

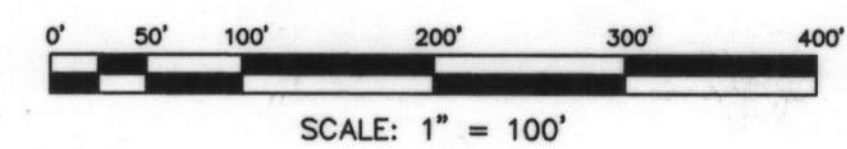
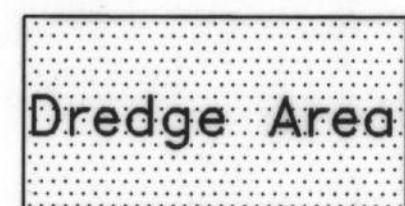
SURVEY PERFORMED BY:
Sea Surveyor, Inc.
Precision Marine Surveying
Berkeley, California 94610
(707) 744-1853

SCALE:
1" = 100'

DRAWING NO.
23
REV.
0



VICINITY MAP



NOTES:

Bathymetric data is from a survey conducted by Sea Surveyor, Inc. on 2, 3, 7, and 9 November 1995 and represents the seafloor conditions present on those dates.

The hydrographic survey was conducted using Class 2 hydrographic survey methods and accuracies outlined in the Corps of Engineers' HYDROGRAPHIC SURVEYING MANUAL (EM 1110-2-1003, October 1994). The survey was performed using a 16' survey boat, a TRIMBLE 4000 SSI differential GPS navigation system, and an INERSPACE Model 448 survey-grade fathometer.

Horizontal positions are referenced to the (NAD 1983) California State Plane Coordinate System, Zone 3.

Soundings are in feet, and are referenced to the City of Foster City vertical datum.

Location of piers, docks, shoreline, and other land features shown on the bathymetric chart are approximate, and were furnished by the City of Foster City.

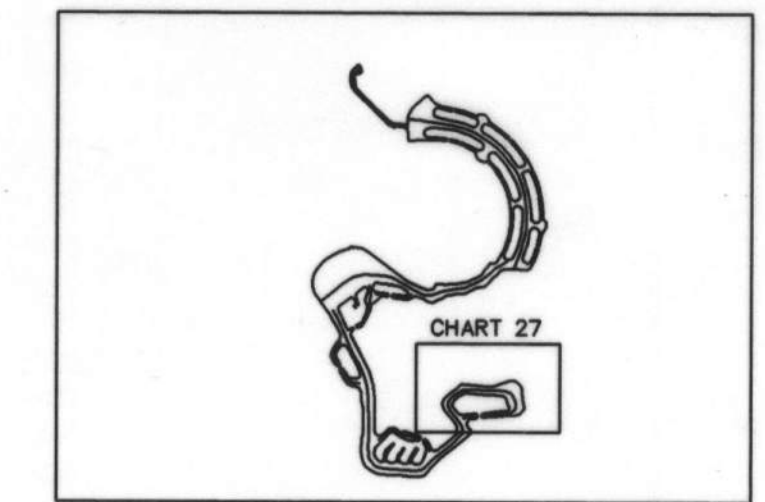
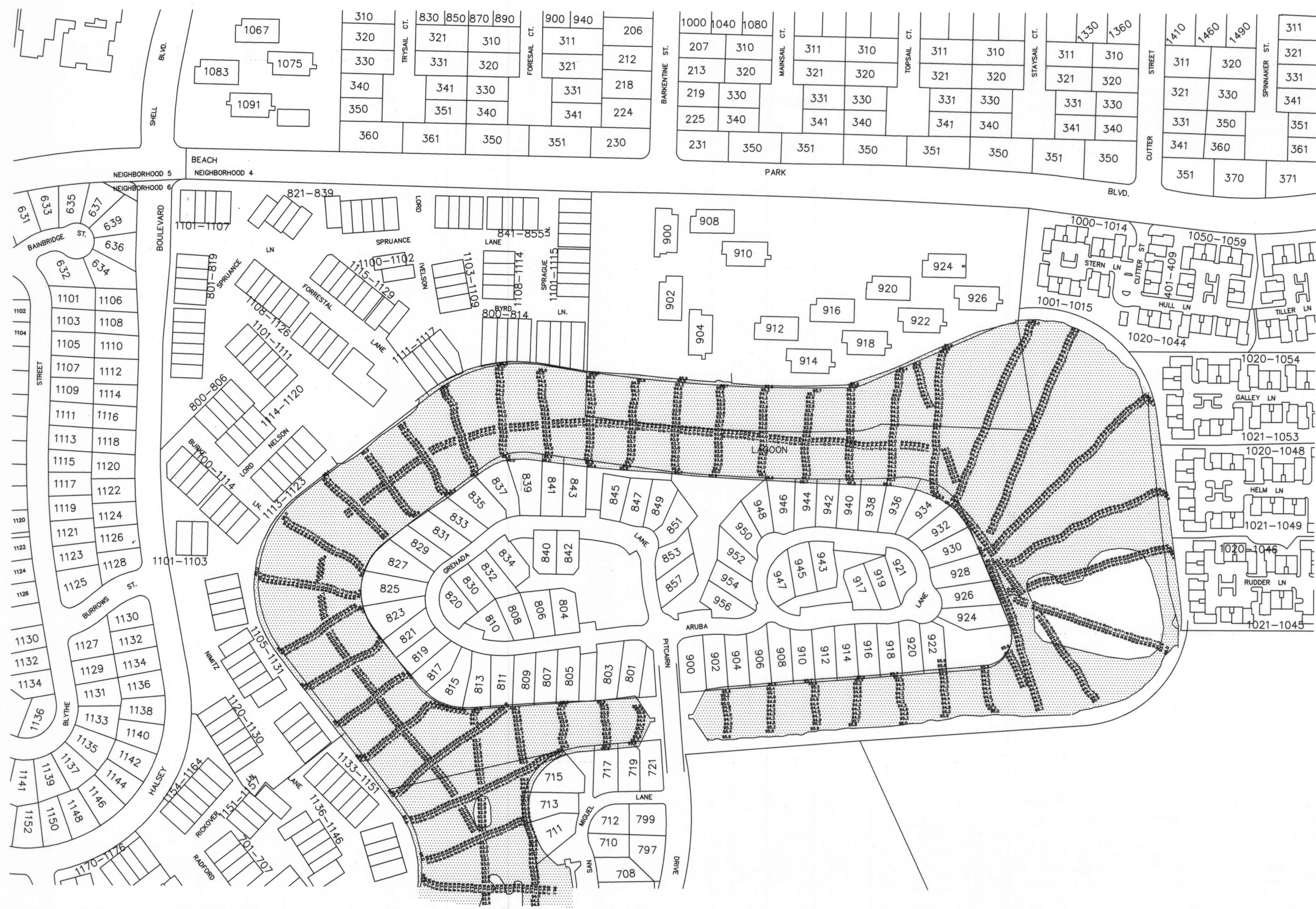
**FOSTER CITY LAGOON
HYDROGRAPHIC SURVEY**

CITY OF FOSTER CITY

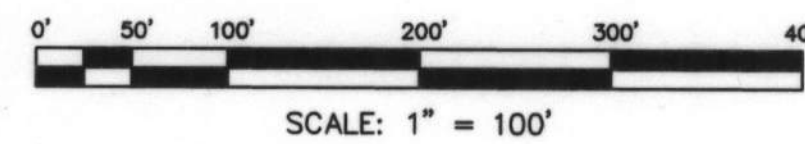
610 FOSTER CITY BLVD.
FOSTER CITY, CA. 94404
(415) 349-1200

SURVEY PERFORMED BY:
Sea Surveyor, Inc.
Precision Marine Surveying
Berkeley, California 94610
(707) 746-1053

SCALE:
1" = 100'
DRAWING NO. 26
REV. 0



VICINITY MAP



NOTES:

Bathymetric data is from a survey conducted by Sea Surveyor, Inc. on 2,3,7, and 9 November 1995 and represents the seafloor conditions present on those dates.

The hydrographic survey was conducted using Class 2 hydrographic survey methods and accuracies outlined in the Corps of Engineers' HYDROGRAPHIC SURVEYING MANUAL (EM 1110-2-1003, October 1994). The survey was performed using a 16' survey boat, a TRIMBLE 4000 SSI differential GPS navigation system, and an INERSPACE Model 448 survey-grade fathometer.

Horizontal positions are referenced to the (NAD 1983) California State Plane Coordinate System, Zone 3.

Soundings are in feet, and are referenced to the City of Foster City vertical datum.

Location of piers, docks, shoreline, and other land features shown on the bathymetric chart are approximate, and were furnished by the City of Foster City.

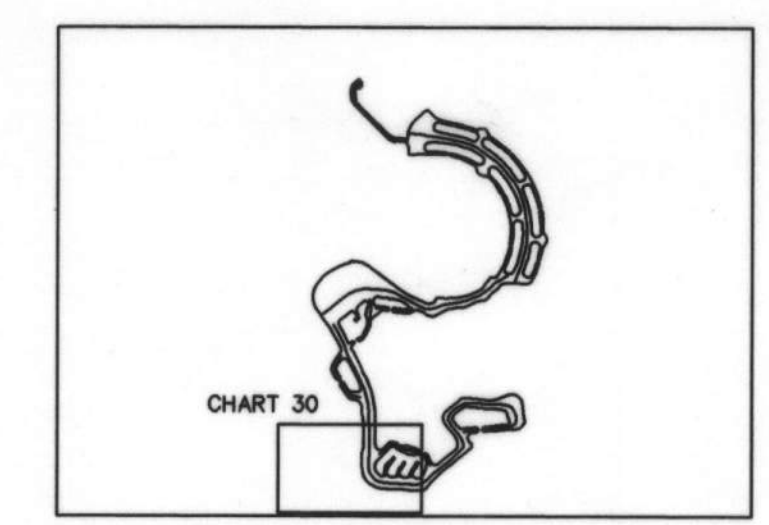
FOSTER CITY LAGOON HYDROGRAPHIC SURVEY

CITY OF FOSTER CITY

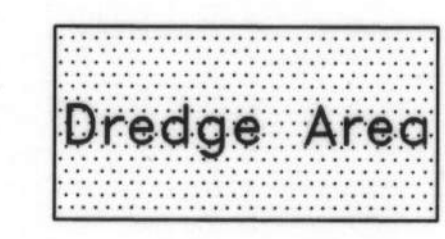
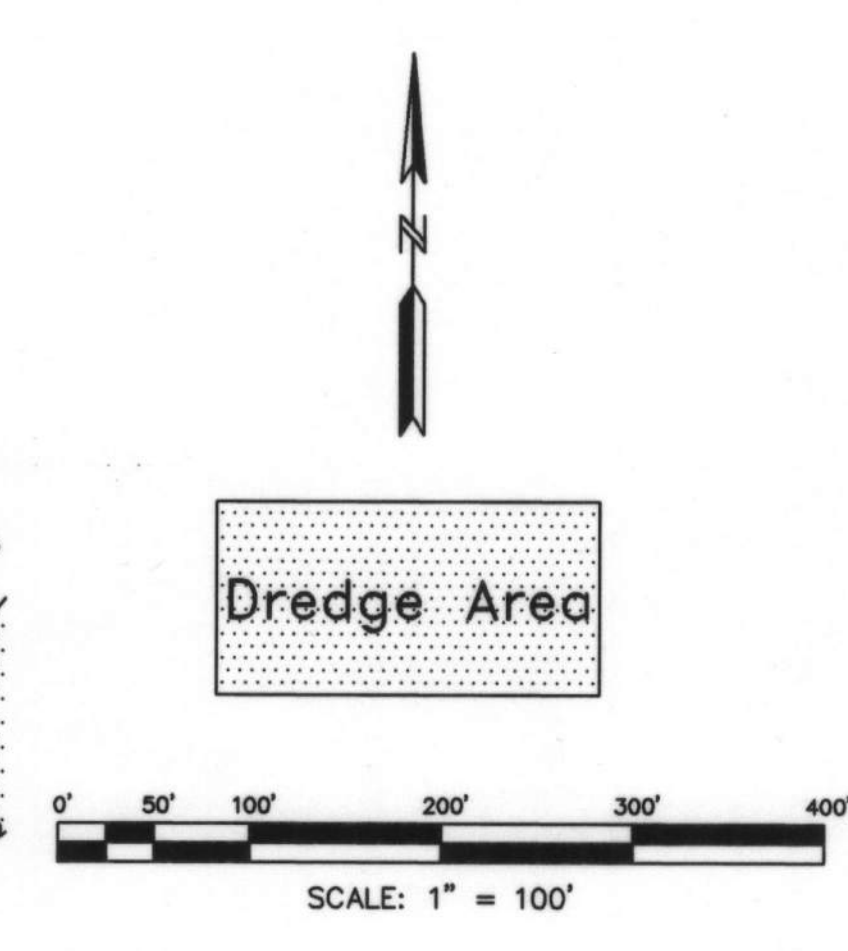
610 FOSTER CITY BLVD.
FOSTER CITY, CA. 94404
(415) 349-1200

SURVEY PERFORMED BY:
Sea Surveyor, Inc.
Precision Marine Surveying
Benicia, California 94510
(707) 746-1868

SCALE:
1" = 100'
DRAWING NO. 27
REV. 0



VICINITY MAP



NOTES:

Bathymetric data is from a survey conducted by Sea Surveyor, Inc. on 2,3,7, and 9 November 1995 and represents the seafloor conditions present on those dates.

The hydrographic survey was conducted using Class 2 hydrographic survey methods and accuracies outlined in the Corps of Engineers' HYDROGRAPHIC SURVEYING MANUAL (EM 1110-2-1003, October 1994). The survey was performed using a 16' survey boat, a TRIMBLE 4000 SSI differential GPS navigation system, and an INNERSPACE Model 448 survey-grade latometer.

Horizontal positions are referenced to the (NAD 1983) California State Plane Coordinate System, Zone 3.

Soundings are in feet, and are referenced to the City of Foster City vertical datum.

Location of piers, docks, shoreline, and other land features shown on the bathymetric chart are approximate, and were furnished by the City of Foster City.

FOSTER CITY LAGOON
HYDROGRAPHIC SURVEY

CITY OF FOSTER CITY
610 FOSTER CITY BLVD.
FOSTER CITY, CA. 94404
(415) 349-1200

SURVEY PERFORMED BY:
Sea Surveyor, Inc.
Precision Marine Surveying
Berkeley, California 94510
(907) 746-1803

SCALE:
1" = 100'

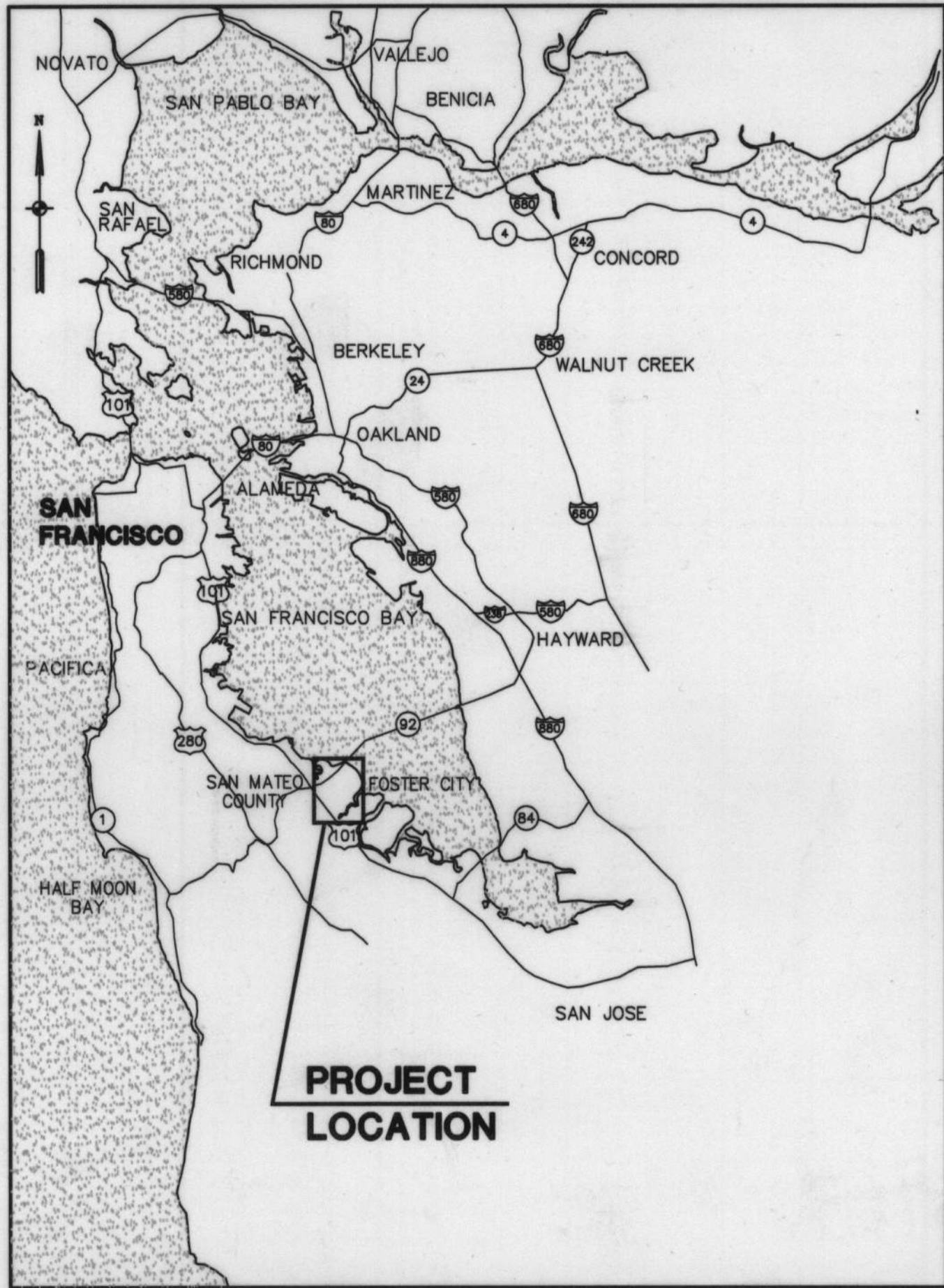
DRAWING NO.	REV.
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FOSTER CITY LAGOON DREDGING PROJECT

FOSTER CITY, CALIFORNIA

APPENDIX F

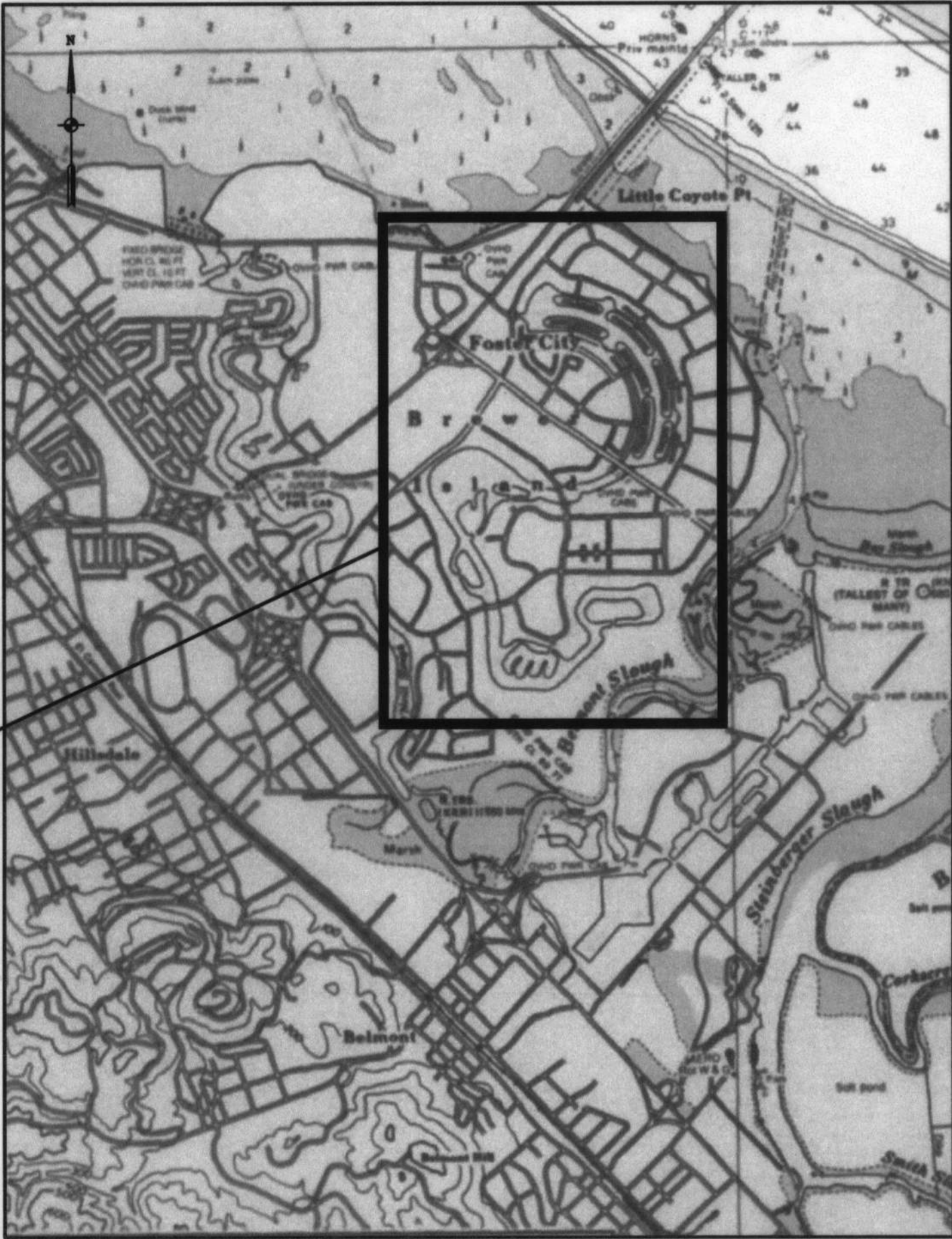
INDEX OF DRAWINGS		
SHEET NO.	SHEET REF NO.	TITLE OF DRAWING
1	G1	TITLE SHEET, INDEX OF DRAWINGS, VICINITY MAP & LOCATION MAP
2	G2	GENERAL NOTES, LEGEND & SYMBOLS
3	G3	GENERAL PLAN
4	C1	SEA CLOUD II DISPOSAL SITE, EXISTING SITE PLAN
5	C2	SEA CLOUD II DISPOSAL SITE, LAYOUT & CONTAINMENT DIKE PLAN
6	C3	SEA CLOUD II DISPOSAL SITE, CONTAINMENT DIKE SECTIONS & DETAILS
7	C4	SEA CLOUD II DISPOSAL SITE, DISCHARGE PIPE & WEIR
8	D1	DREDGING PLAN - ZONE A
9	D2	DREDGING PLAN - ZONE B, C, D, E, F
10	D3	DREDGING PLAN - ZONE G, H, I, I+, J
11	D4	DREDGING PLAN - ZONE K, L, M
12	D5	DREDGING PLAN - ZONE N, O, P
13	D6	DREDGING PLAN - ZONE Q, R, S, T
14	D7	DREDGING PLAN - NO WORK
15	D8	DREDGING PLAN - ZONE U, V
16	D9	DREDGING PLAN - ZONE W, X, Y, Z, AA
17	D10	DREDGING PLAN - ZONE BB, CC
18	DS1	TYPICAL DREDGING SECTIONS
19	DS2	TYPICAL DETAILS OF EXISTING STRUCTURES
20	DS3	TYPICAL DREDGING SECTIONS
21	DS4	SECTIONS ZONE A TO I+
22	DS5	SECTIONS ZONE J TO R
23	DS6	SECTIONS ZONE S TO Z
24	DS7	SECTIONS ZONE AA TO CC
25	DS8	LOCATIONS OF AREAS TO BE RAKED



VICINITY MAP

5 0 5 10

Scale in Miles



LOCATION MAP

NTS

CITY OF FOSTER CITY Approved by: Ramon M. Towne City / District		REVISIONS NO. DESCRIPTION BY DATE		MOFFATT & NICHOL ENGINEERS WALNUT CREEK, CALIFORNIA DESIGNED BY: JAF CHECKED BY: DRT DRAWN BY: AB IN CHARGE: DRT		FOSTER CITY LAGOON DREDGING PROJECT TITLE SHEET, INDEX OF DRAWINGS, VICINITY MAP & LOCATION MAP		SCALE AS SHOWN	DATE 7-12-02
7/12/02 Date								JOB NO. 4824	
								SHEET 1 of 25	G1

GENERAL NOTES:

1. HORIZONTAL CONTROL IS BASED ON NAD 83, CALIFORNIA COORDINATE SYSTEM, ZONE 3. VERTICAL CONTROL IS BASED ON FOSTER CITY DATUM FOR THE LAGOON AND NGVD, 1929 FOR THE DISPOSAL SITE.
2. BATHYMETRIC SURVEY OF THE FOSTER CITY LAGOON WAS PERFORMED BY SEA SURVEYOR, INC., BENICIA, CA, (707) 746-1853, ON NOVEMBER 2-9, 1995.
3. ADDITIONAL LEAD LINE SOUNDINGS WERE PERFORMED BY THE CITY AT VARIOUS LOCATIONS THROUGHOUT THE LAGOON ON MARCH 1997 AND DECEMBER 1997
4. TOPOGRAPHIC SURVEY OF THE DISPOSAL SITE WAS PERFORMED BY HAMMON, JENSEN, WALLEN AND ASSOCIATES, OAKLAND, CA, (510) 638-6122, WITH THE CONTROL SURVEY PERFORMED BY TUCKER AND ASSOCIATES, CALISTOGA, CA, (707) 942-6001.

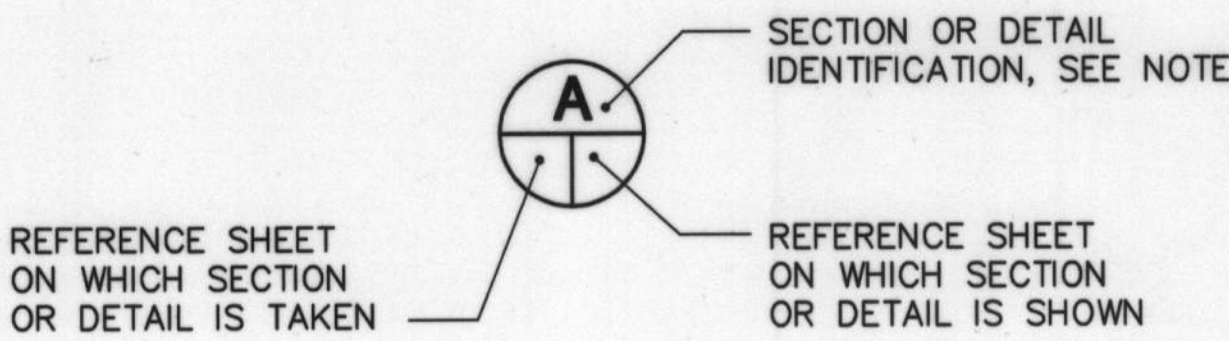
SURVEY CONTROL POINTS					
POINT	NORTHING	EASTING	ELEV *	DESCRIPTION	SHEET
BM1	2034792.114194	6048140.470927	102.9365	MAG NL/WASHER-N' LY END SLOUGH, 20' +/- FROM CHAIN LINK GATE	D1
BM2	2032901.403306	6050656.712821	104.1389	MAG NL/WASHER-E' LY SIDE BALCLUTHA ST. AT CENTER LINE OF SLOUGH	D2
BM4	2030515.102029	6052305.682791	103.4705	MAG NL/WASHER-S' LY SIDE COMET ST. AT E' LY LINE OF SLOUGH	D4
BM5	2022824.941961	6049150.889877	102.4822	MAG NL/WASHER-E' LY SIDE LIDO ST. AT S' LY SLOUGH LINE	D6
BM6	2027039.932109	6047811.017404	106.0056	MAG NL/WASHER AT CURB/SIDEWALK JOINT-NW' LY EL DORADO AT SLOUGH	D8
BM7	2025416.392192	6050060.987344	102.1914	MAG NL/WASHER-NE CORNER DEWEY & FARRAGUT	D9
BM8	2025868.195328	6051464.245189	101.9018	MAG NL/WASHER-N' LY SIDE SLOUGH-W' LY SIDE OF PITCAIRN	D10
BM9	2025378.206455	6052659.629402	106.4274	MAG NL/WASHER-END +/- CENTER LINE OF PARKING LOT	D10
BM119	2032942.464339	6052227.242073	104.5130	FOSTER CITY BM #119-NW' LY SIDE PLOVER ST. AT CENTER LINE OF SLOUGH	D3
BM501	2025972.760891	6053141.940098	108.8135	MAG NL	C1
BM502	2026004.812184	6052659.859547	101.8154	5/8" REBAR FROM PREVIOUS PROJ.	D10
BM580	2035868.800000	6050818.830000	108.5990	NGS DISC IN WELL MON. "GUANO ISLAND RESET" PID = HT0580	-

* BASED ON FOSTER CITY DATUM FOR LAGOON

ABBREVIATIONS

AC	ASPHALT CONCRETE	NO.	NUMBER
DIA	DIAMETER	O.C	ON CENTER
E	EAST	O.D.	OUTSIDE DIAMETER
(E)	EXISTING	OG	ORIGINAL GROUND
EA	EACH	REF	REFERENCE
EL, ELEV	ELEVATION	S	SOUTH
FCD	FOSTER CITY DATUM	SPECS	SPECIFICATIONS
FG	FINISHED GRADE	STA	STATION
FT	FOOT	TEMP	TEMPORARY
HORIZ	HORIZONTAL	TYP	TYPICAL
MAX	MAXIMUM	VERT	VERTICAL
MIN	MINIMUM	W/	WITH
N	NORTH	W/O	WITHOUT
NAD	NORTH AMERICAN DATUM		
NOAA	NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION		
NTS	NOT TO SCALE		
NGVD	NATIONAL GEODETIC VERTICAL DATUM		

CROSS-REFERENCE LEGEND

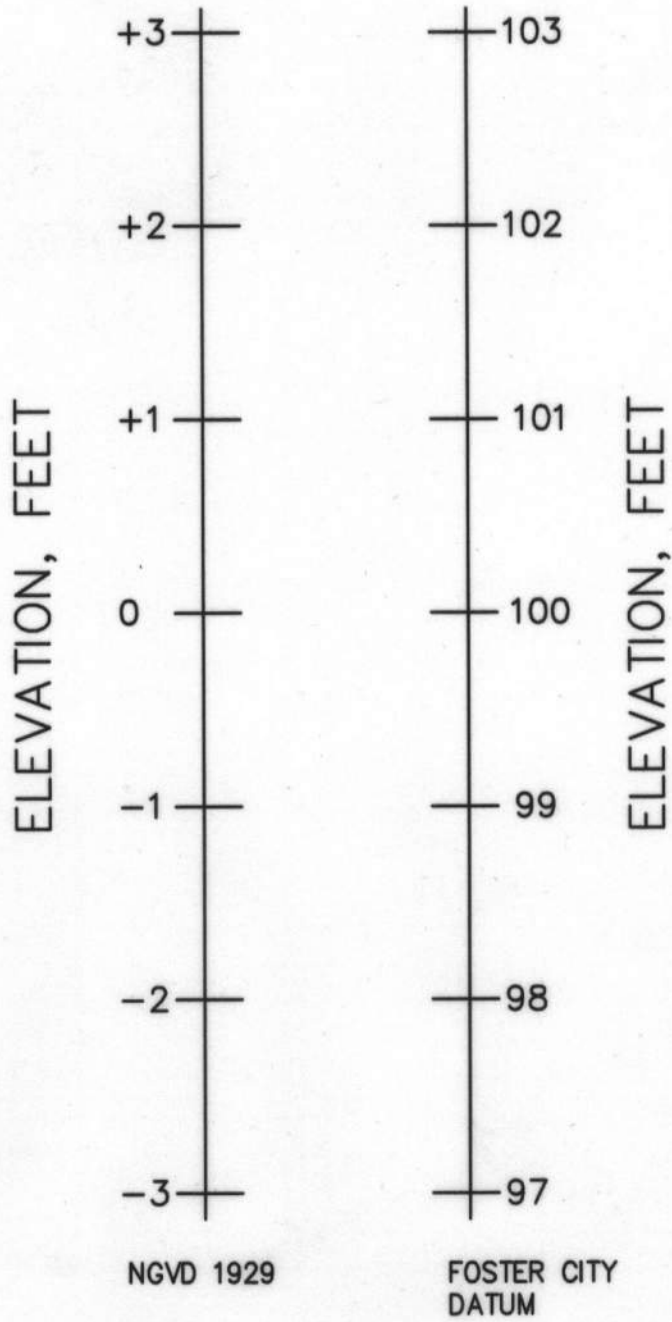


NOTE: LETTER INDICATES SECTION NUMBER INDICATES DETAIL. WHERE THERE IS NO REFERENCE SHEET INDICATED, IT MEANS THE DETAIL OR SECTION IS TAKEN AND SHOWN ON THE SAME SHEET.

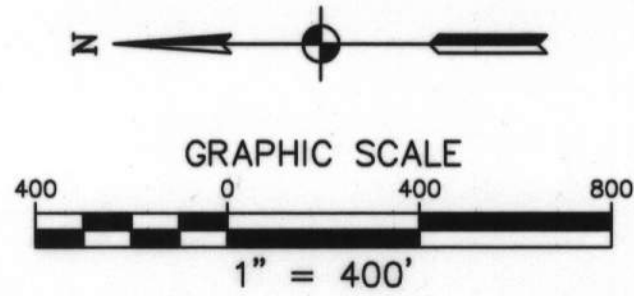
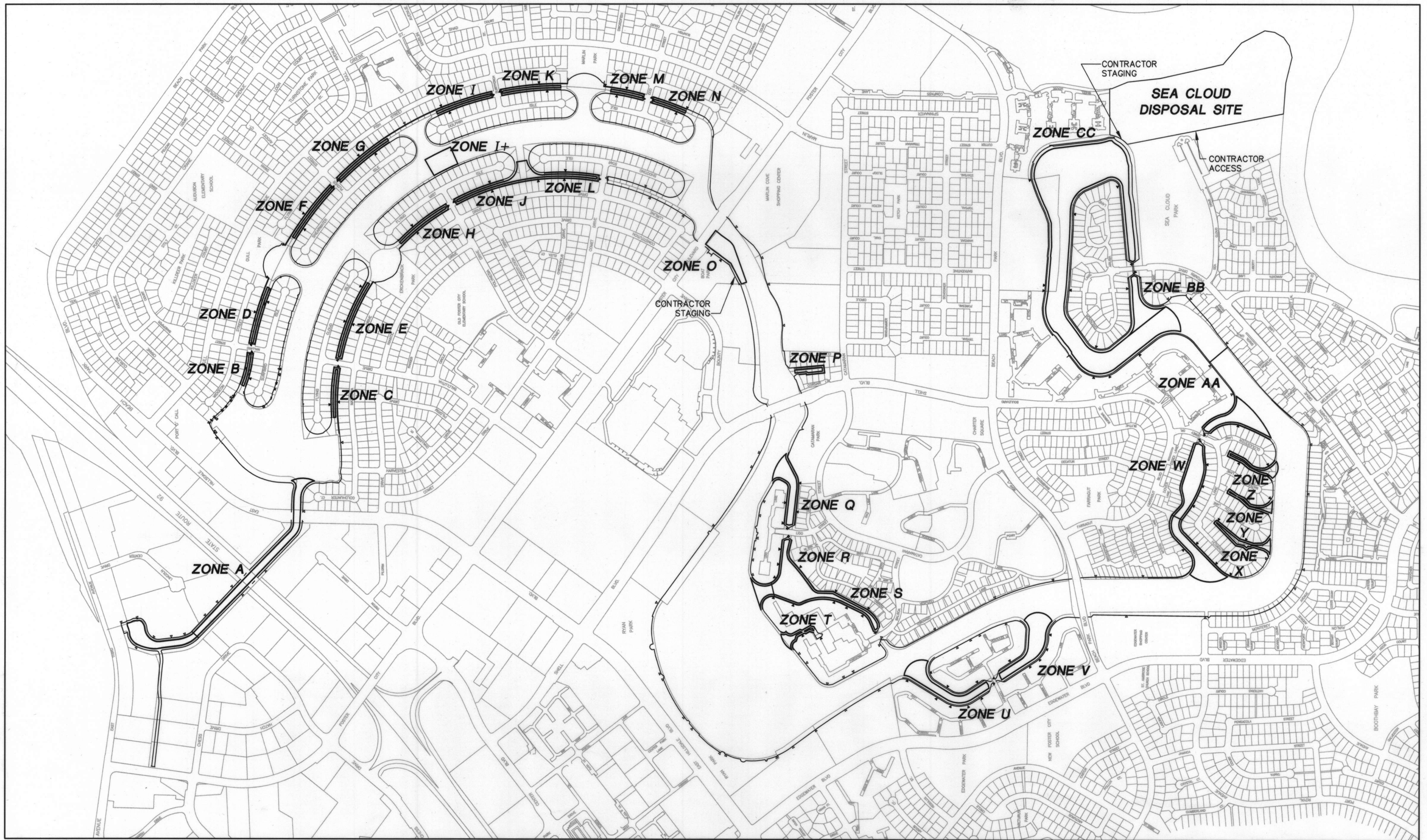
LEGEND:

- BM1 BENCH MARK, TYP
- AREA TO BE DREDGED
- AREA TO BE RAKED
- TOE OF SLOPE FOR DREDGING
- BENCH LINE
- FENCE
- ASPHALT CONCRETE TRAIL
- STORM DRAIN OR CULVERT - NO RAKING
- STORM DRAIN OR CULVERT TO BE RAKED
- SECTION SHOWING EXISTING AND PROPOSED GRADES

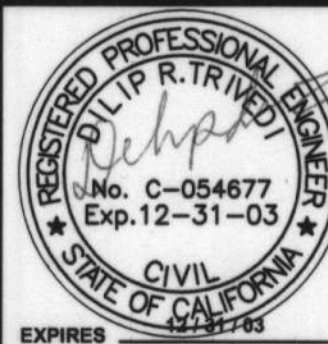
RELATIONSHIP BETWEEN NGVD 1929 AND FOSTER CITY DATUM FOR THE LAGOON



REVISIONS					MOFFATT & NICHOL ENGINEERS WALNUT CREEK, CALIFORNIA	FOSTER CITY LAGOON DREDGING PROJECT	SCALE	DATE		
NO.	DESCRIPTION	BY	DATE				AS SHOWN	7-12-02		
							JOB NO.	4824		
							SHEET	2 OF 25		
				DESIGNED BY: JAF		CHECKED BY: DRT		GENERAL NOTES, LEGEND & SYMBOLS	G2	
				DRAWN BY: AB		IN CHARGE: DRT				



REVISIONS			
NO.	DESCRIPTION	BY	DATE



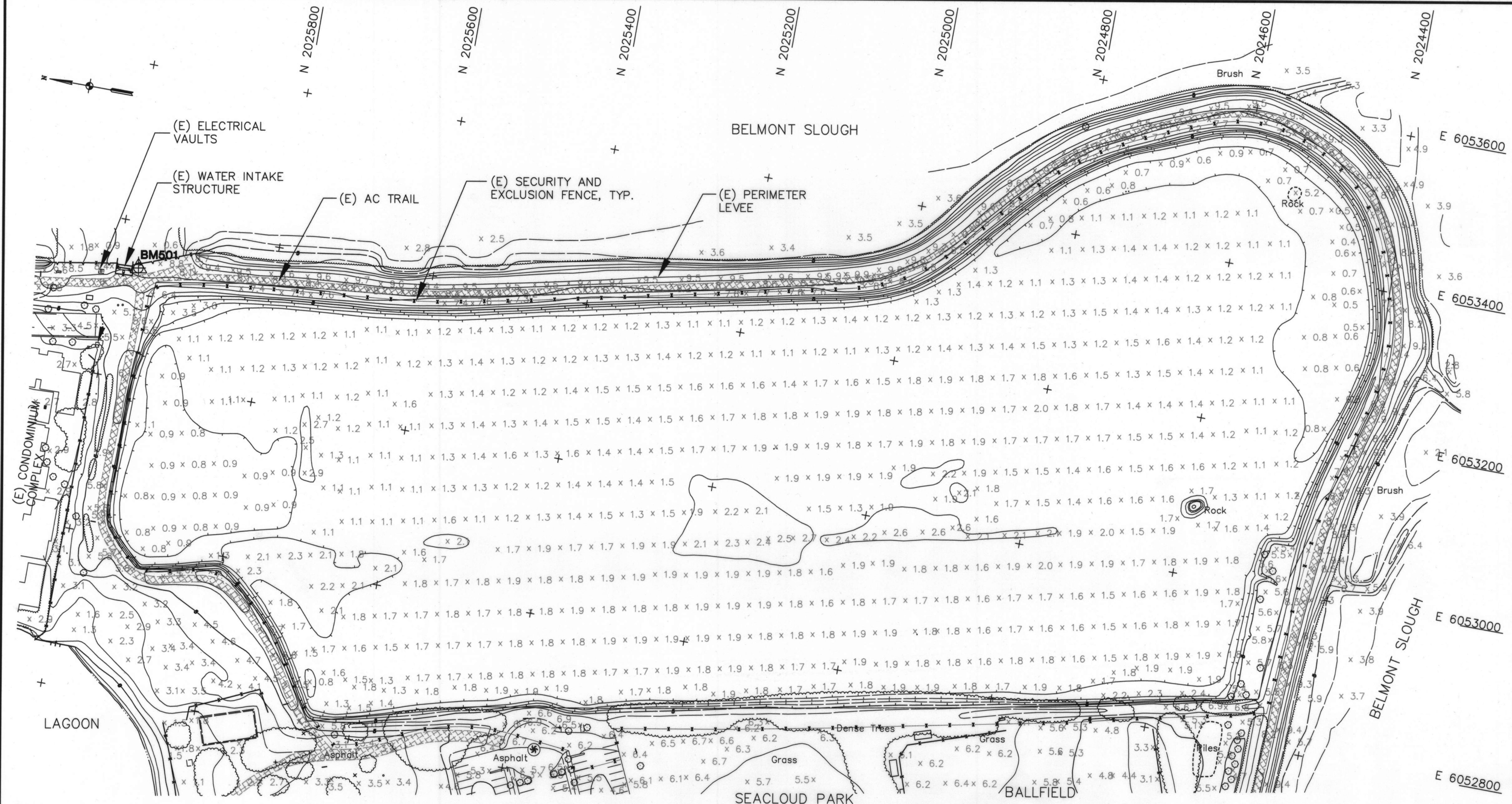
WALNUT CREEK, CALIFORNIA

DESIGNED BY: JAF	CHECKED BY: DRT
DRAWN BY: AB	IN CHARGE: DRT

FOSTER CITY
LAGOON DREDGING PROJECT

GENERAL PLAN

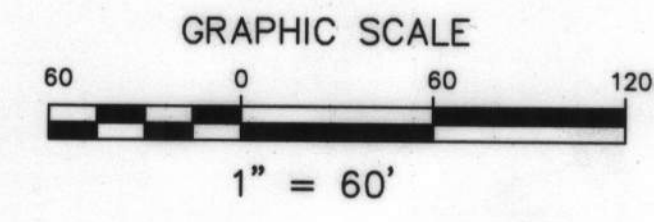
SCALE AS SHOWN	DATE 7-12-02
JOB NO. 4824	
SHEET 3	OF 25
G3	



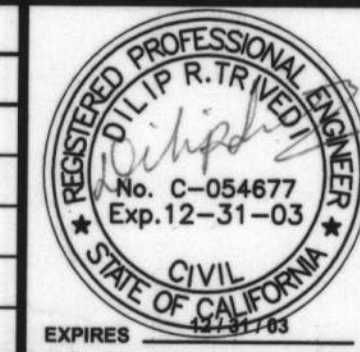
- NOTES:**
1. IN AREAS OF DENSE VEGETATION, ACCURACY OF CONTOURS MAY DEViate FROM ACCEPTED ACCURACY STANDARDS.
 2. THE GRID IS BASED ON THE CALIFORNIA COORDINATE SYSTEM, ZONE III, NAD 1983.
 3. ELEVATIONS ARE BASED ON NGVD 1929.
 4. CONTOURS & SPOT ELEVATIONS SHOWN REPRESENT SITE CONDITIONS ON DATE OF SURVEY.

PLAN

SCALE: AS SHOWN

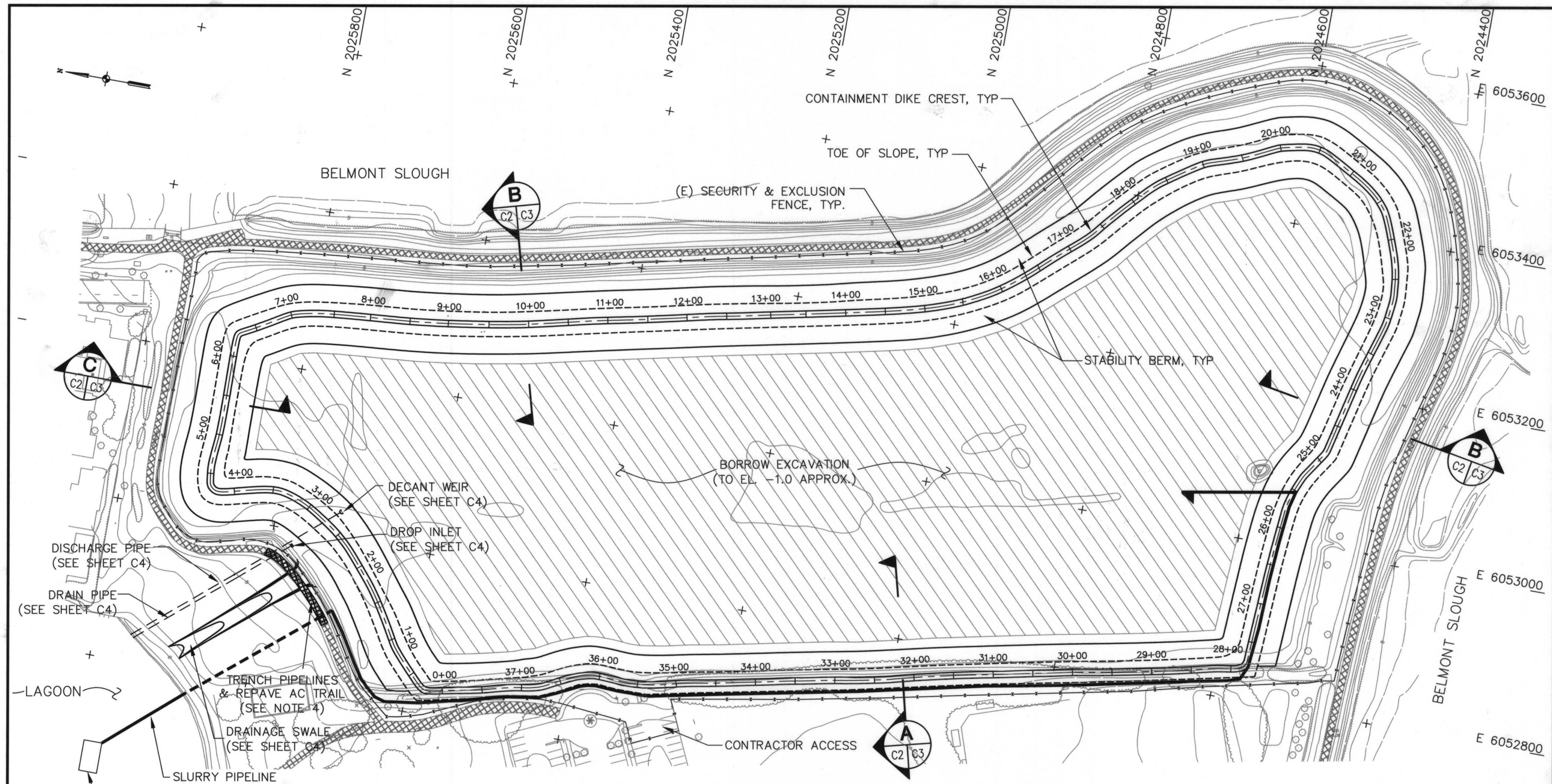


REVISIONS			
NO.	DESCRIPTION	BY	DATE



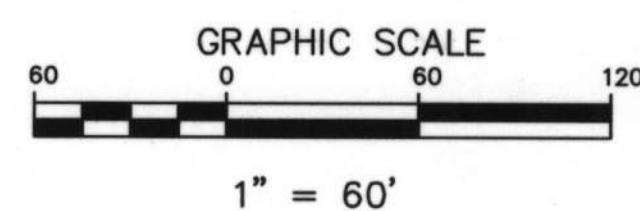
MOFFATT & NICHOL ENGINEERS	
WALNUT CREEK, CALIFORNIA	
DESIGNED BY: JAF	CHECKED BY: DRT
DRAWN BY: AB	IN CHARGE: DRT

FOSTER CITY LAGOON DREDGING PROJECT		SCALE AS SHOWN	DATE 7-12-02
SEA CLOUD II DISPOSAL SITE		JOB NO. 4824	
EXISTING SITE PLAN		SHEET 4 OF 25	
			C1

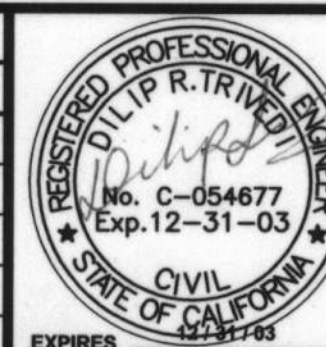


NOTES:

1. STATION LINE ALONG CENTER OF CONTAINMENT DIKE IS SHOWN FOR REFERENCE ONLY.
2. EXISTING TREES AND VEGETATION ALONG CONTAINMENT DIKE BETWEEN STA. 28+00 TO STA. 0+00 SHALL NOT BE DAMAGED OR REMOVED.
3. CONTAINMENT DIKE BETWEEN STA. 0+00 AND STA. 28+00 SHALL BE LOCATED RELATIVE TO THE TOE OF THE EXISTING PERIMETER LEVEE (SEE SHEET C3). BETWEEN STA. 28+00 AND STA. 0+00, OUTBOARD DIKE CREST SHALL BE ALIGNED OVER EXISTING LEVEE CREST (SEE SHEET C3).
4. TRENCH SLURRY, DISCHARGE, AND DRAINAGE PIPELINES UNDER EXISTING LEVEE AND AC TRAIL. REPLACE ANY SECTION OF AC TRAIL THAT IS REMOVED DURING TRENCHING TO MATCH EXISTING TRAIL DESIGN FEATURES.

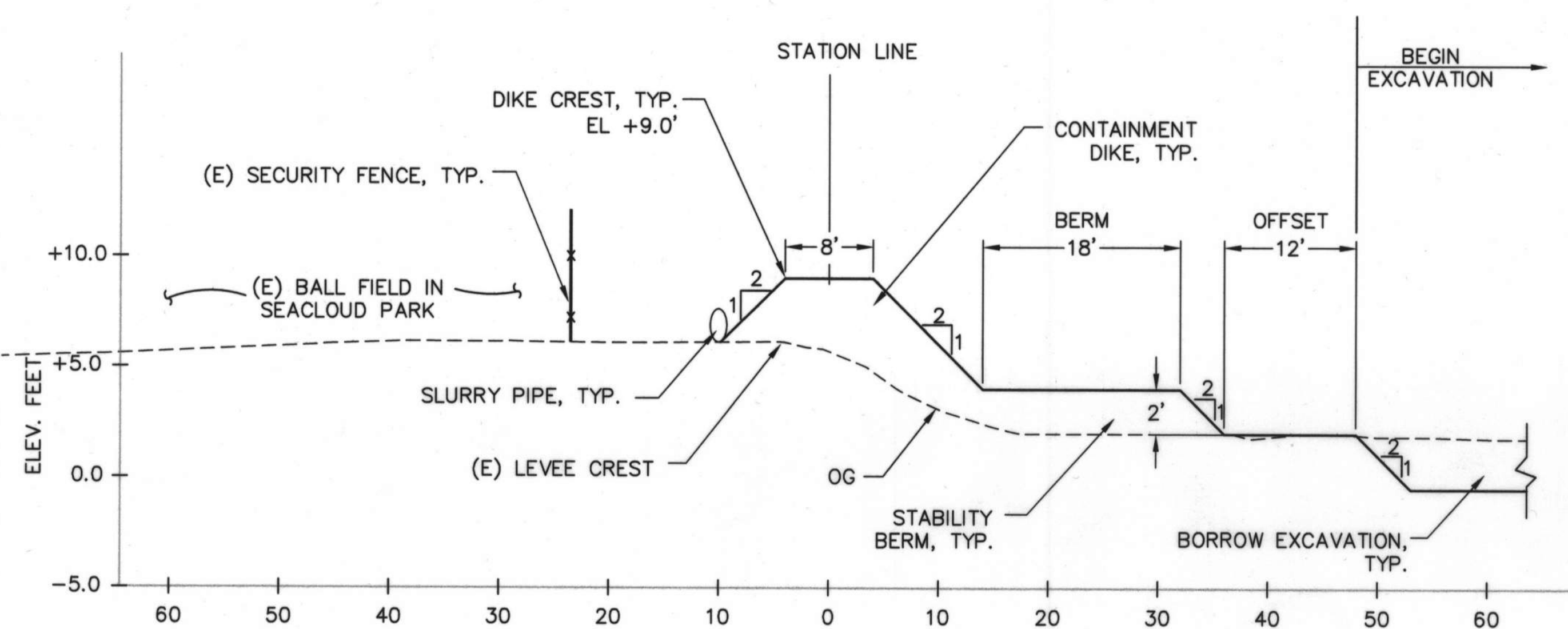


REVISIONS			
NO.	DESCRIPTION	BY	DATE

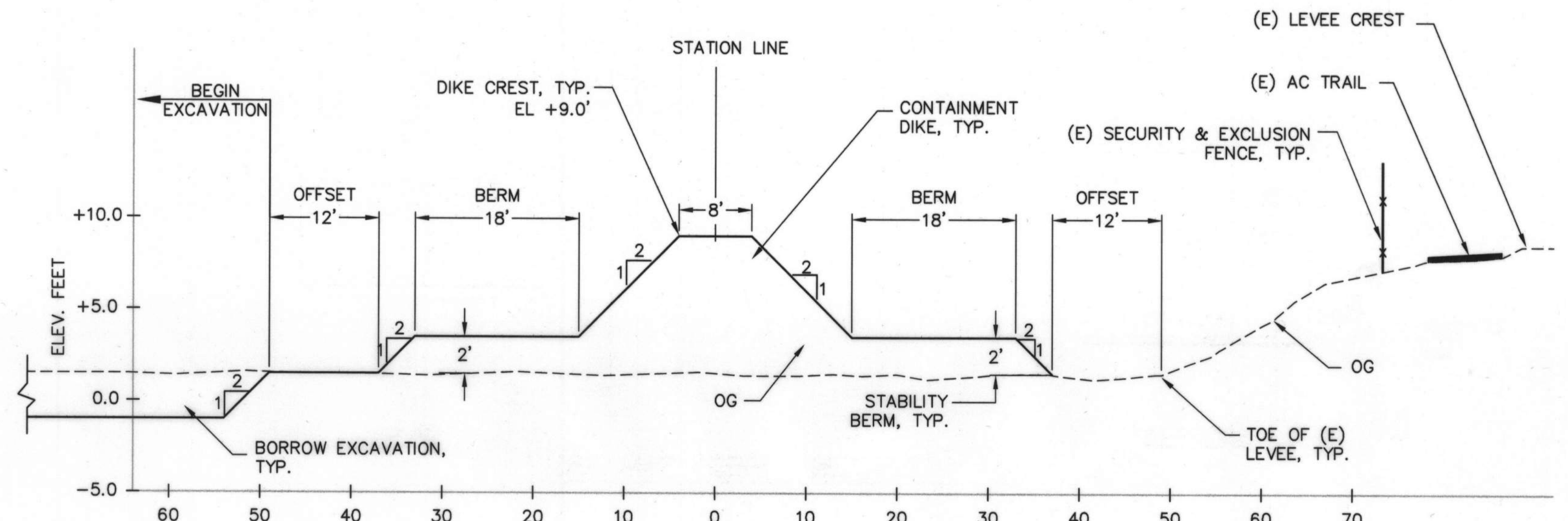


MOFFATT & NICHOL ENGINEERS	
WALNUT CREEK, CALIFORNIA	
DESIGNED BY: JAF	CHECKED BY: DRT
DRAWN BY: AB	IN CHARGE: DRT

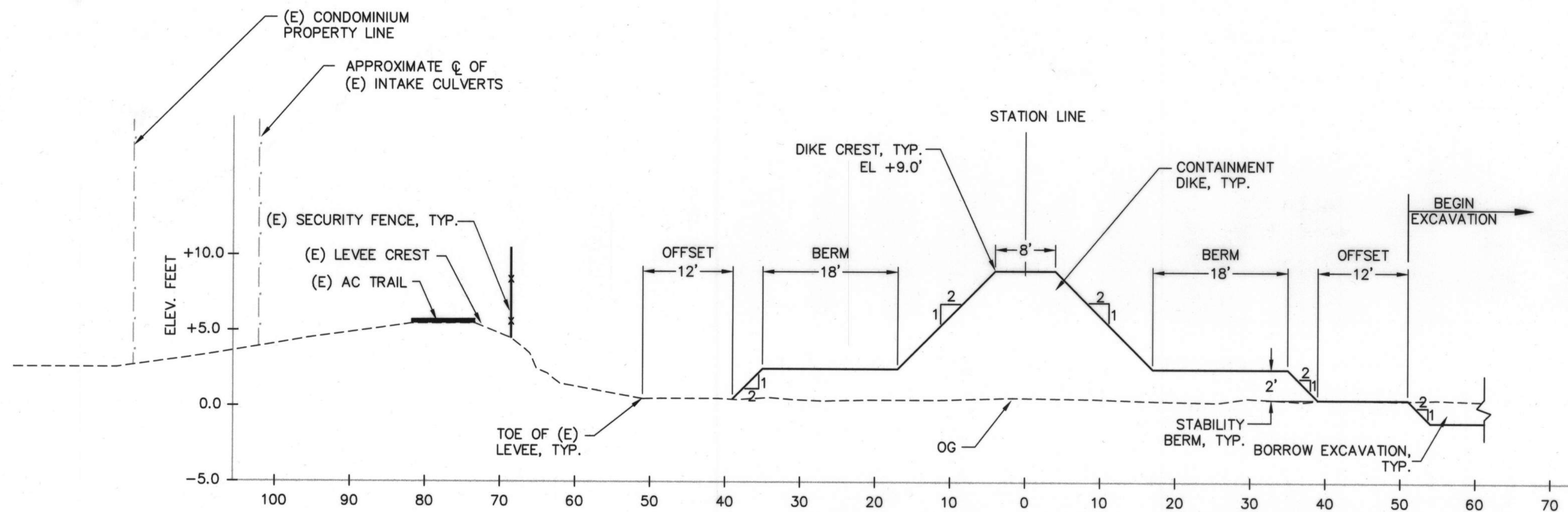
FOSTER CITY LAGOON DREDGING PROJECT		SCALE AS SHOWN	DATE 7-12-02
SEA CLOUD II DISPOSAL SITE LAYOUT AND CONTAINMENT DIKE PLAN		JOB NO. 4824	
		SHEET 5 OF 25	C2



SECTION A
 1" = 10' HORIZ
 1" = 5' VERT

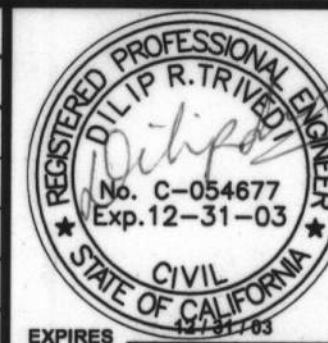


SECTION B
 1" = 10' HORIZ
 1" = 5' VERT



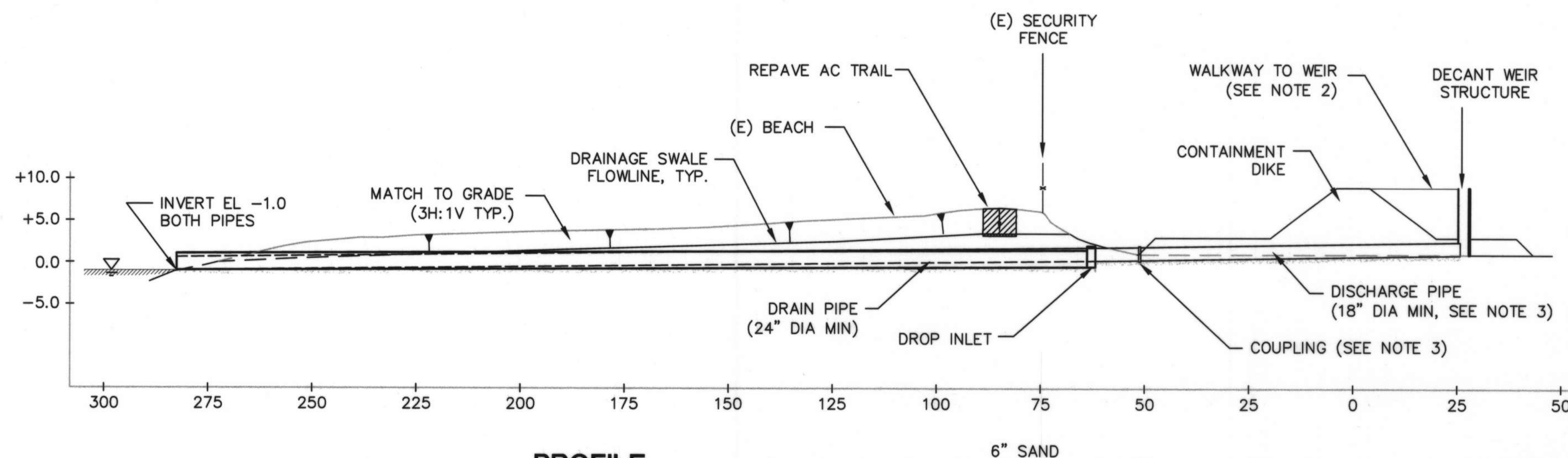
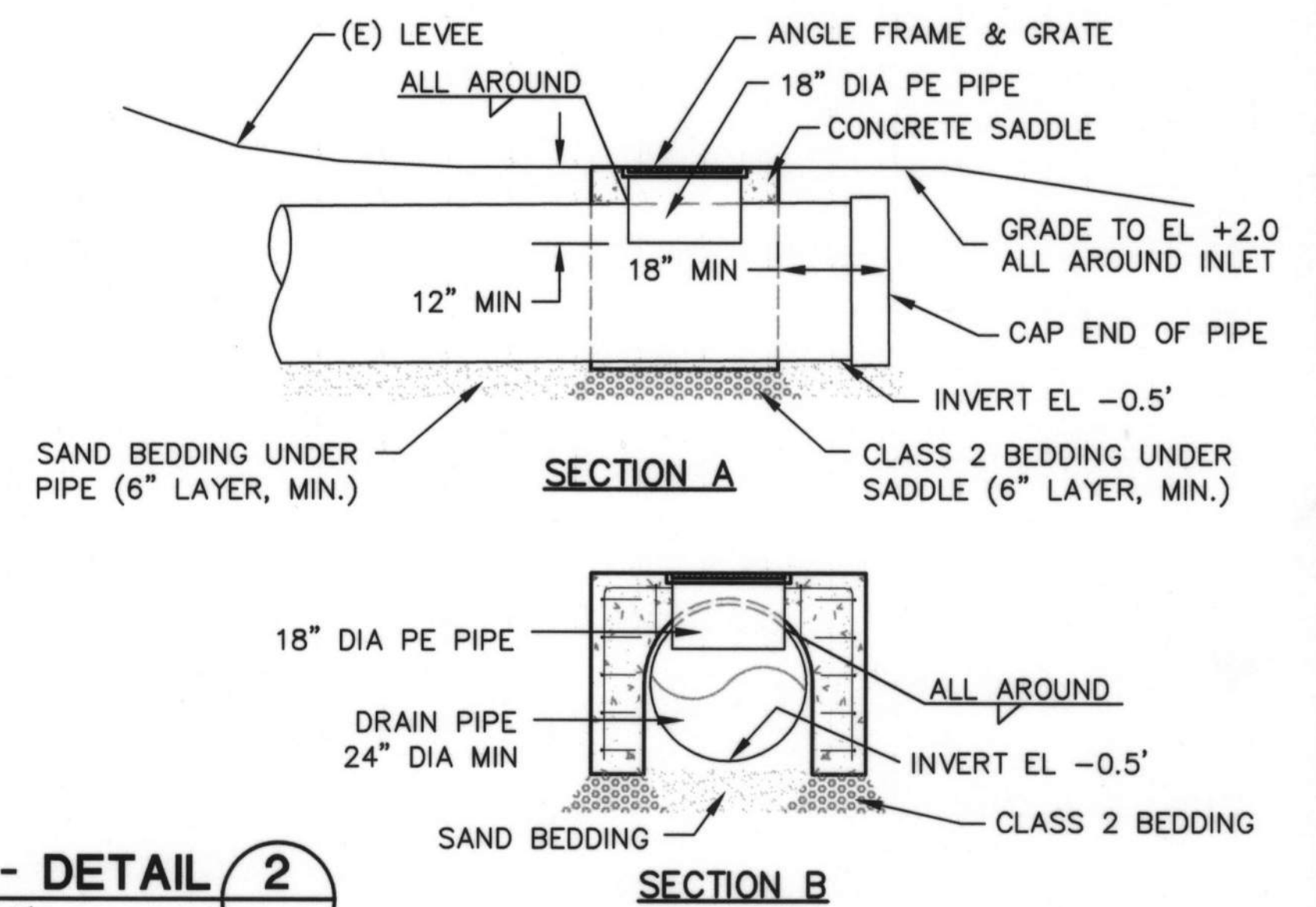
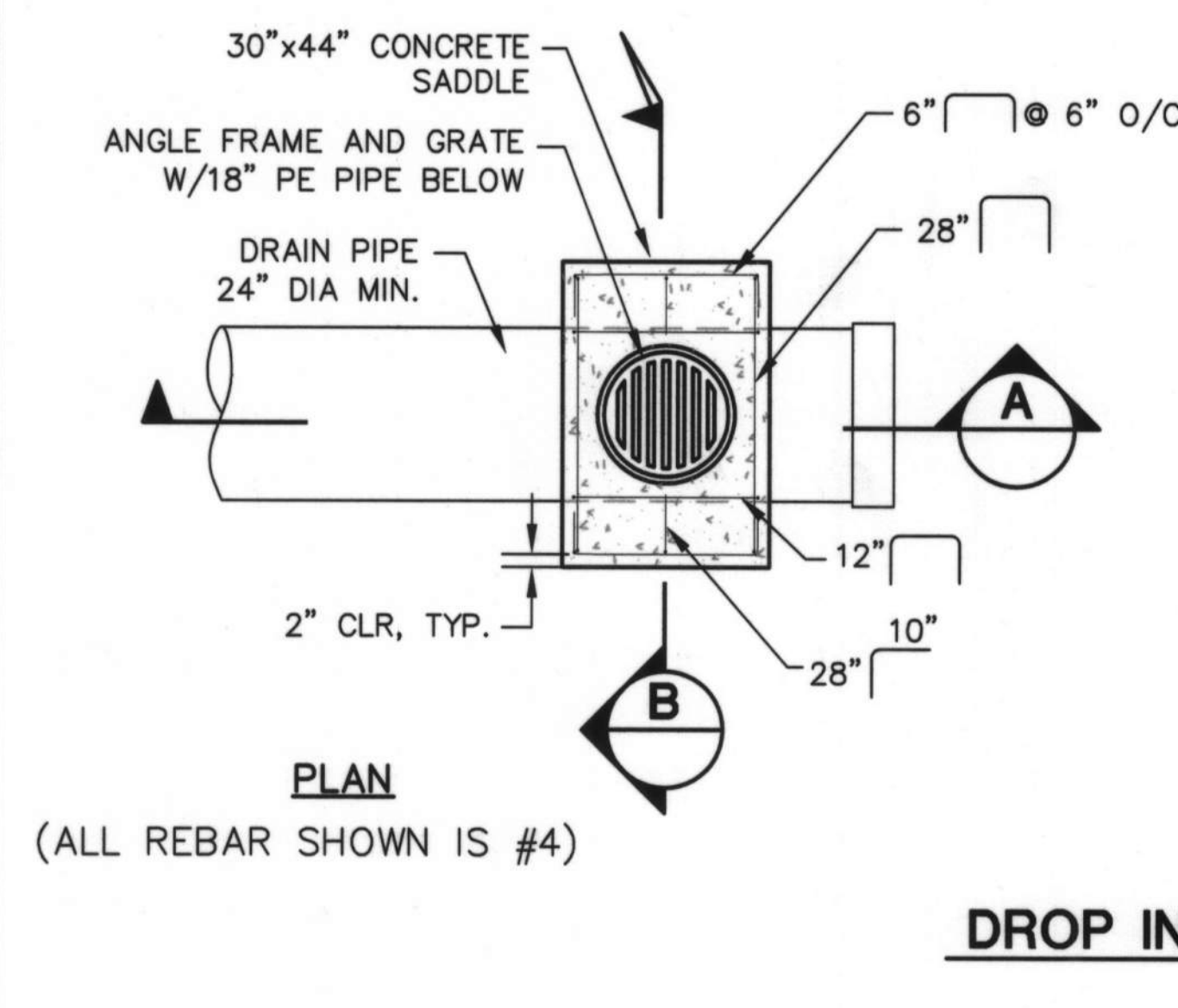
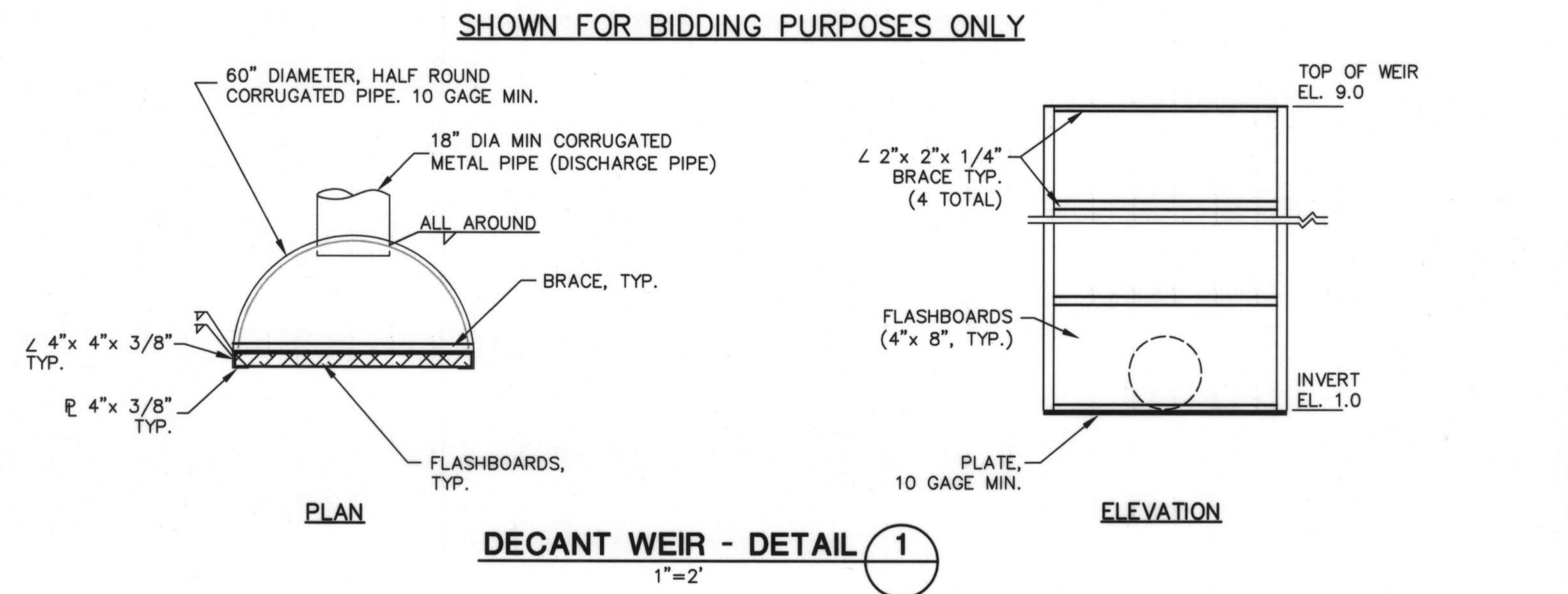
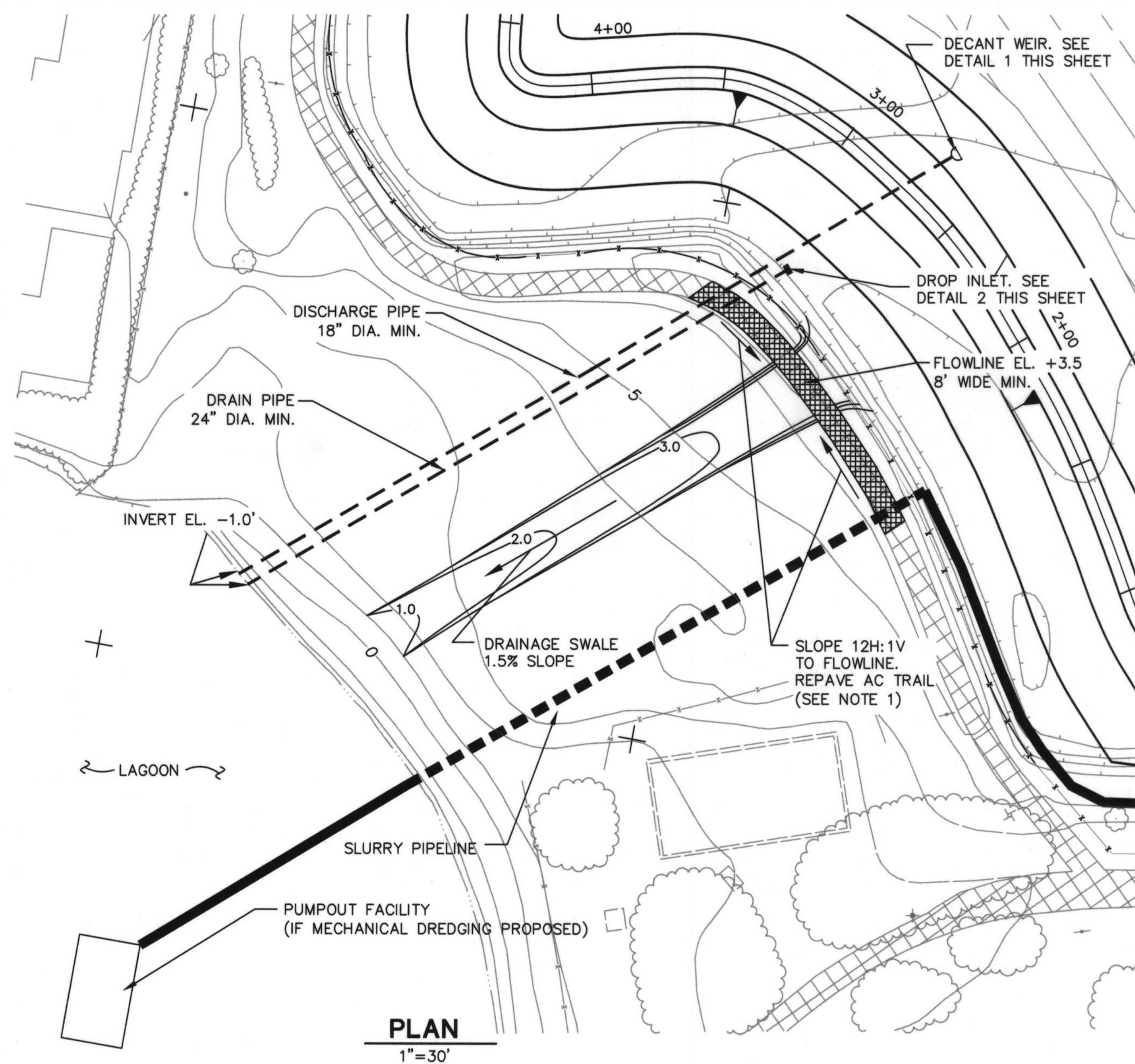
SECTION C
 1" = 10' HORIZ
 1" = 5' VERT

REVISIONS			
NO.	DESCRIPTION	BY	DATE



DESIGNED BY: JAF
 DRAWN BY: AB
 CHECKED BY: DRT
 IN CHARGE: DRT

FOSTER CITY LAGOON DREDGING PROJECT		SCALE AS SHOWN	DATE 7-12-02
SEA CLOUD II DISPOSAL SITE NEW CONTAINMENT DIKE CROSS SECTIONS		JOB NO.	4824
		SHEET	6 of 25
		C3	



- NOTES**
1. TRENCH SLURRY, DISCHARGE, AND DRAINAGE PIPELINES UNDER EXISTING LEVEE AND AC TRAIL. REPLACE ANY SECTIONS OF AC TRAIL THAT ARE REMOVED DURING TRENCHING TO MATCH EXISTING TRAIL DESIGN FEATURES.
 2. CONTRACTOR TO DESIGN / PROVIDE TEMPORARY WALKWAY
 3. DISCHARGE PIPE UNDER DIKE SECTION SHALL BE GALVANIZED, CORRUGATED METAL. OTHER SECTIONS OF PIPE CAN BE PE.

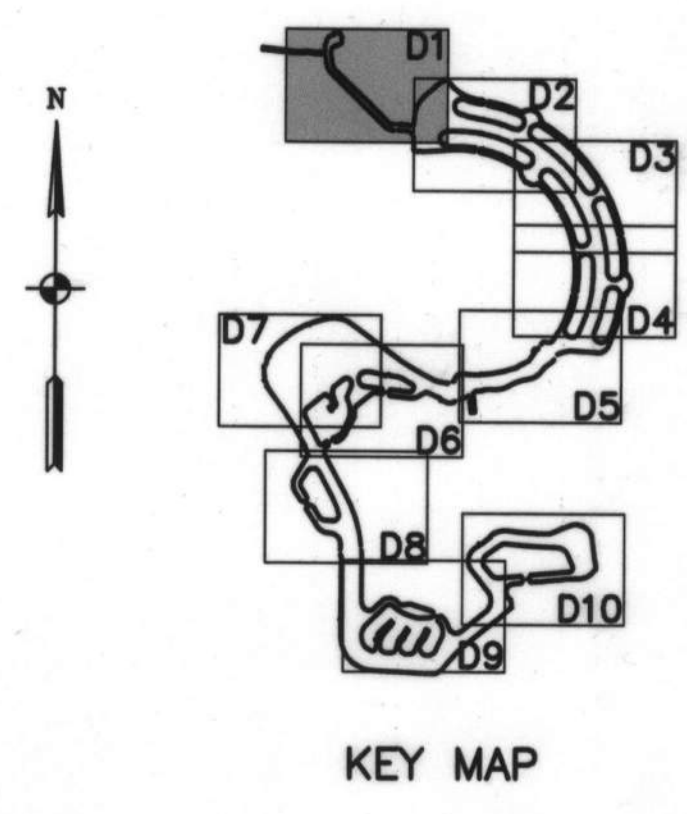
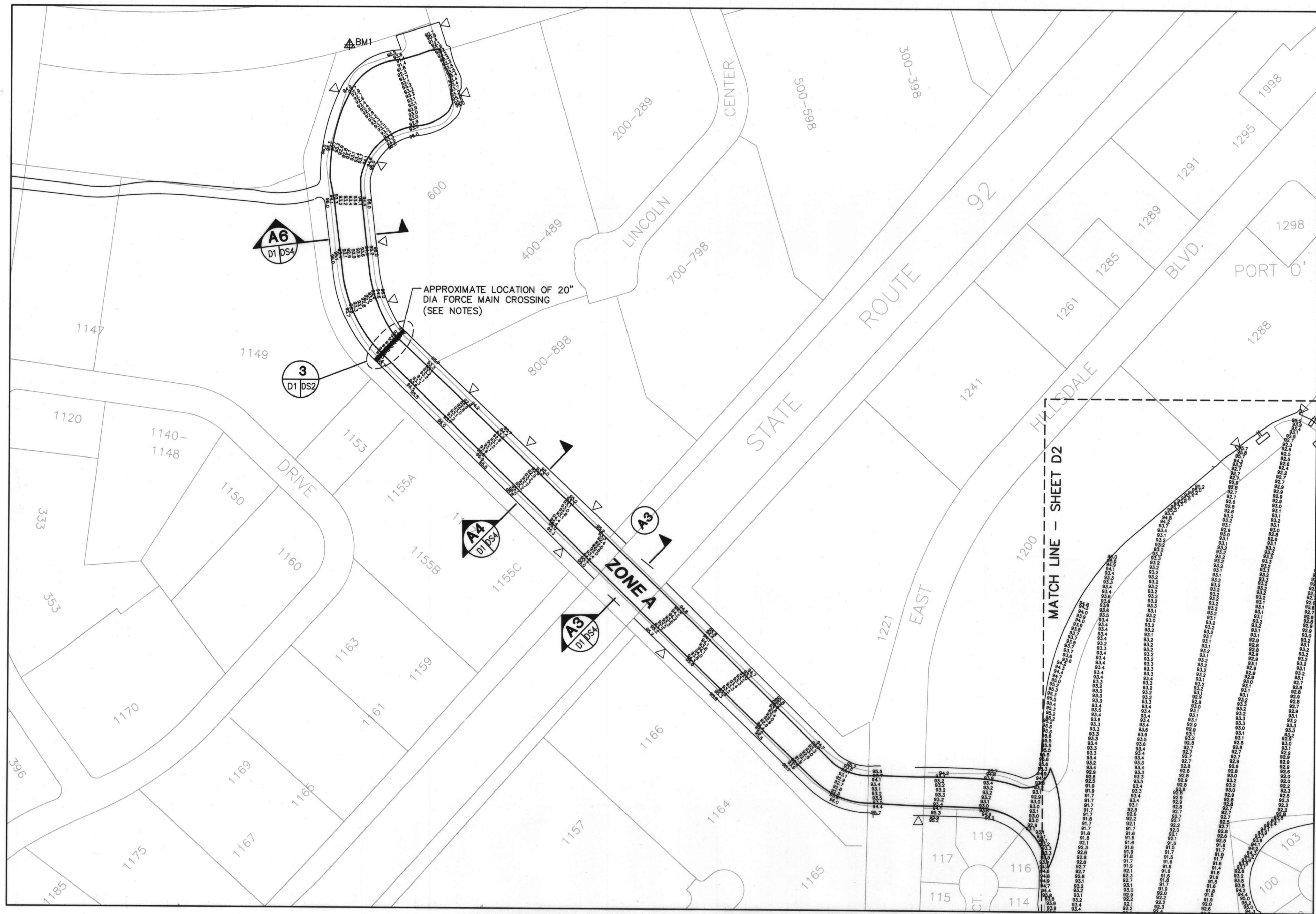
PROFILE
1" = 20' HORZ
1" = 10' VERT

REVISIONS			
NO.	DESCRIPTION	BY	DATE

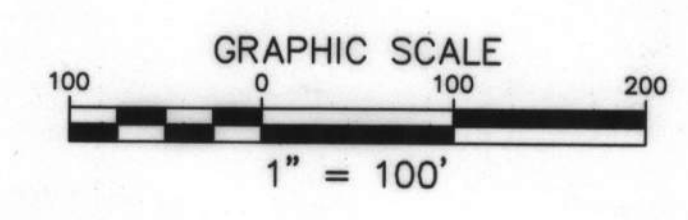


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WALNUT CREEK, CALIFORNIA	
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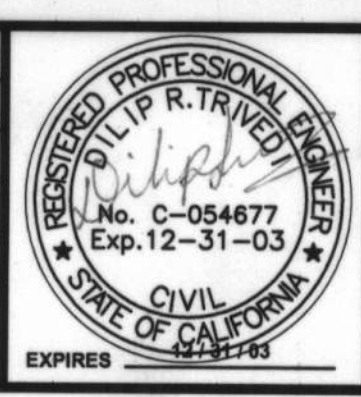
FOSTER CITY LAGOON DREDGING PROJECT		SCALE AS SHOWN	DATE 7-12-02
SEA CLOUD II DISPOSAL SITE		JOB NO. 4824	
DISCHARGE PIPE & WEIR		SHEET 7 OF 25	
			C4




- NOTES:**
1. CONTRACTOR SHALL VERIFY CONDITIONS PRIOR TO START OF WORK.
 2. SOUNDINGS ARE IN FEET, AND ARE REFERENCED TO THE CITY OF FOSTER CITY VERTICAL DATUM.
 3. LOCATION OF PIERS, DOCKS, BULKHEADS, SHORELINE, AND OTHER LAND FEATURES SHOWN ARE APPROXIMATE.
 4. CONTRACTOR SHALL FIELD VERIFY AND MARK ALL STORM DRAIN, CULVERT, AND PIPELINE CROSSING LOCATIONS PRIOR TO START OF WORK.
 5. SEE SHEET G2 FOR LEGEND.
 6. SEE SHEET DS8 FOR RAKING LOCATIONS.



REVISIONS			
NO.	DESCRIPTION	BY	DATE



**MOFFATT & NICHOL**
ENGINEERS

WALNUT CREEK, CALIFORNIA

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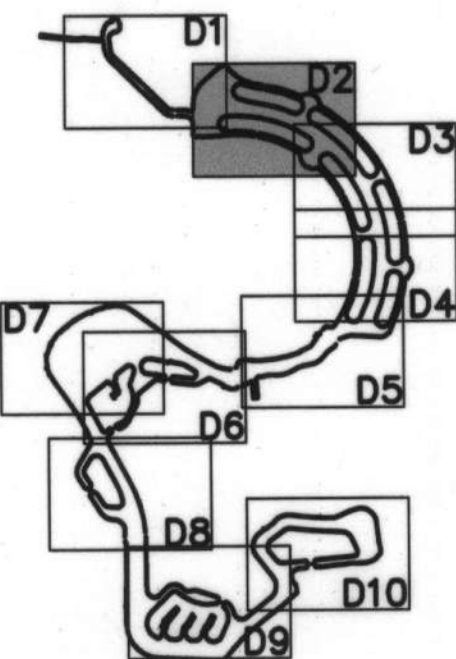
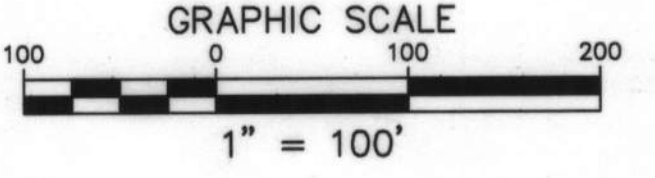
FOSTER CITY
LAGOON DREDGING PROJECT

DREDGING PLAN - ZONE A

SCALE AS SHOWN	DATE 7-12-02
JOB NO. 4824	SHEET 8 of 25
D1	

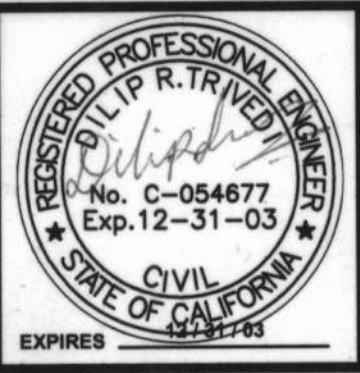


NOTES:
 1. SEE SHEET D1 FOR NOTES AND SHEET G2 FOR LEGEND.



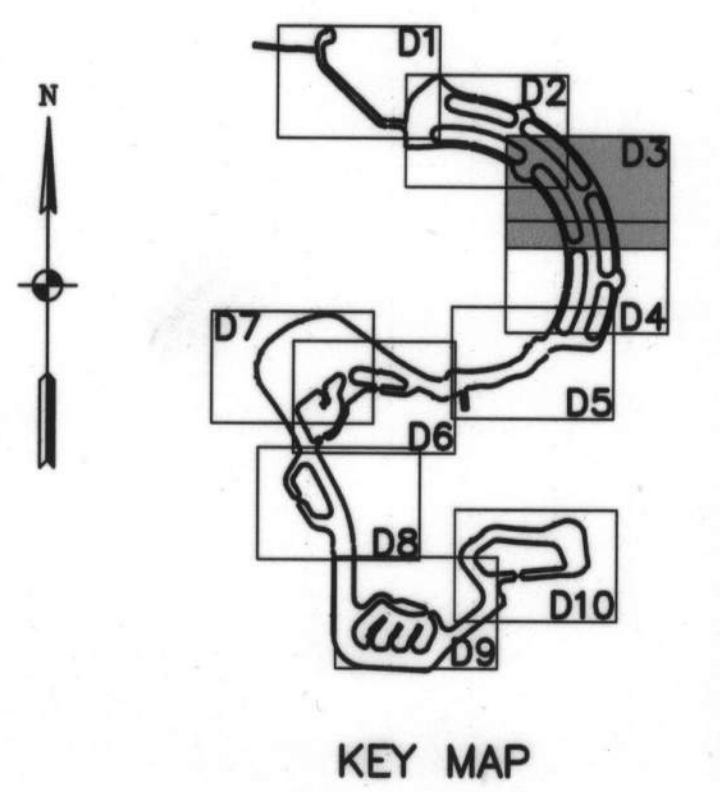
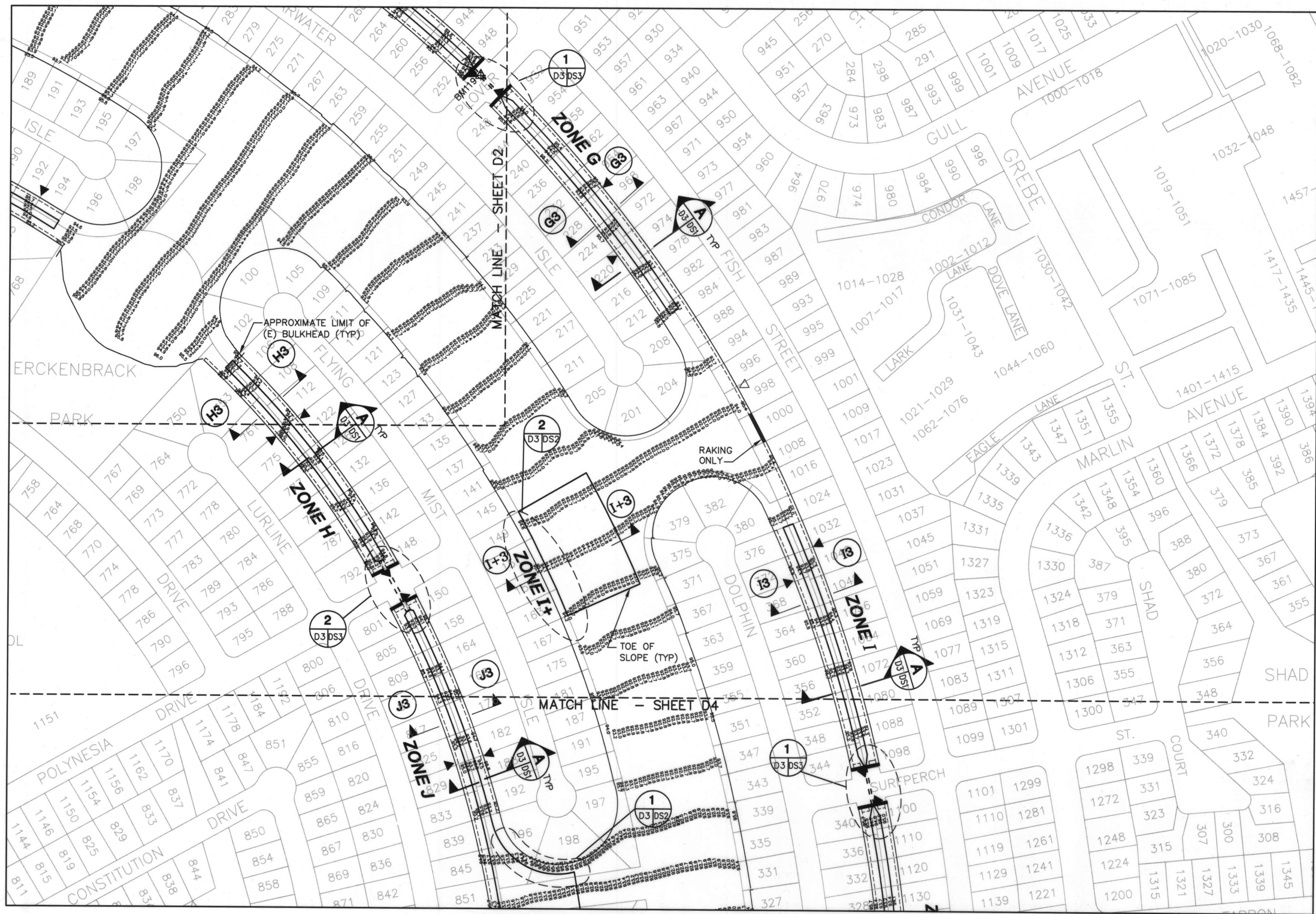
KEY MAP

REVISIONS			
NO.	DESCRIPTION	BY	DATE

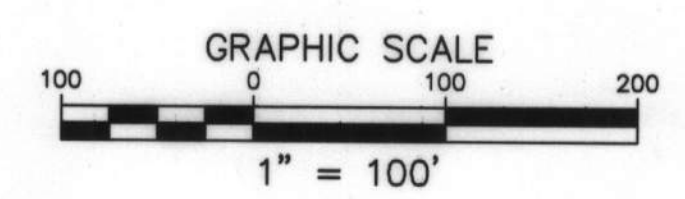


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WALNUT CREEK, CALIFORNIA			
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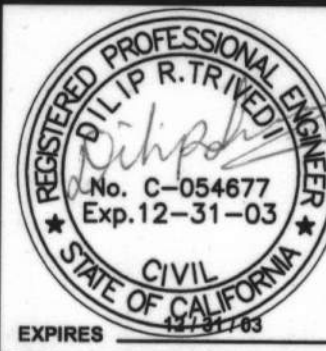
FOSTER CITY LAGOON DREDGING PROJECT		SCALE AS SHOWN	DATE 7-12-02
DREDGING PLAN - ZONE B, C, D, E, F		JOB NO.	4824
		SHEET	9 OF 25
			D2



NOTES:
1. SEE SHEET D1 FOR NOTES AND SHEET G2 FOR LEGEND.

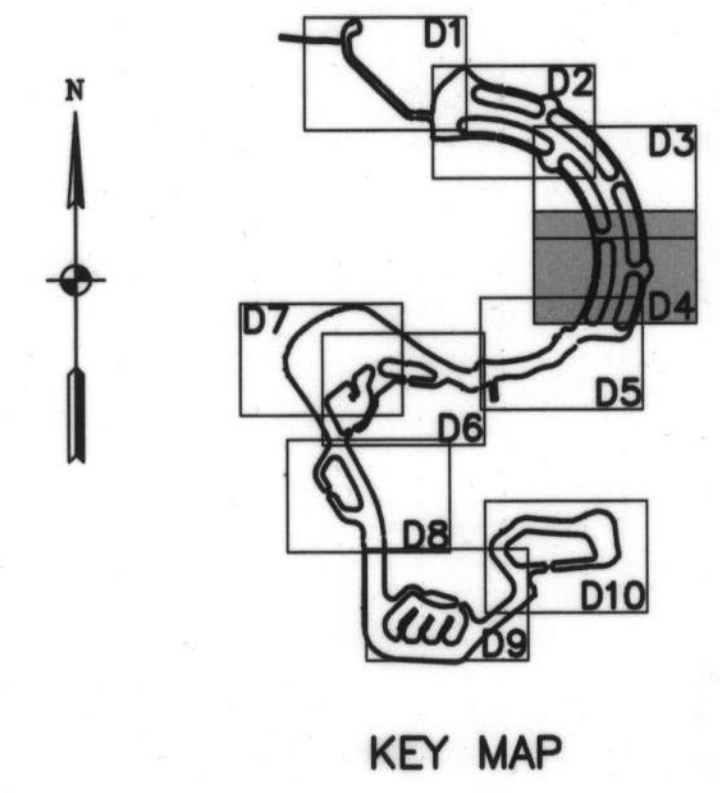
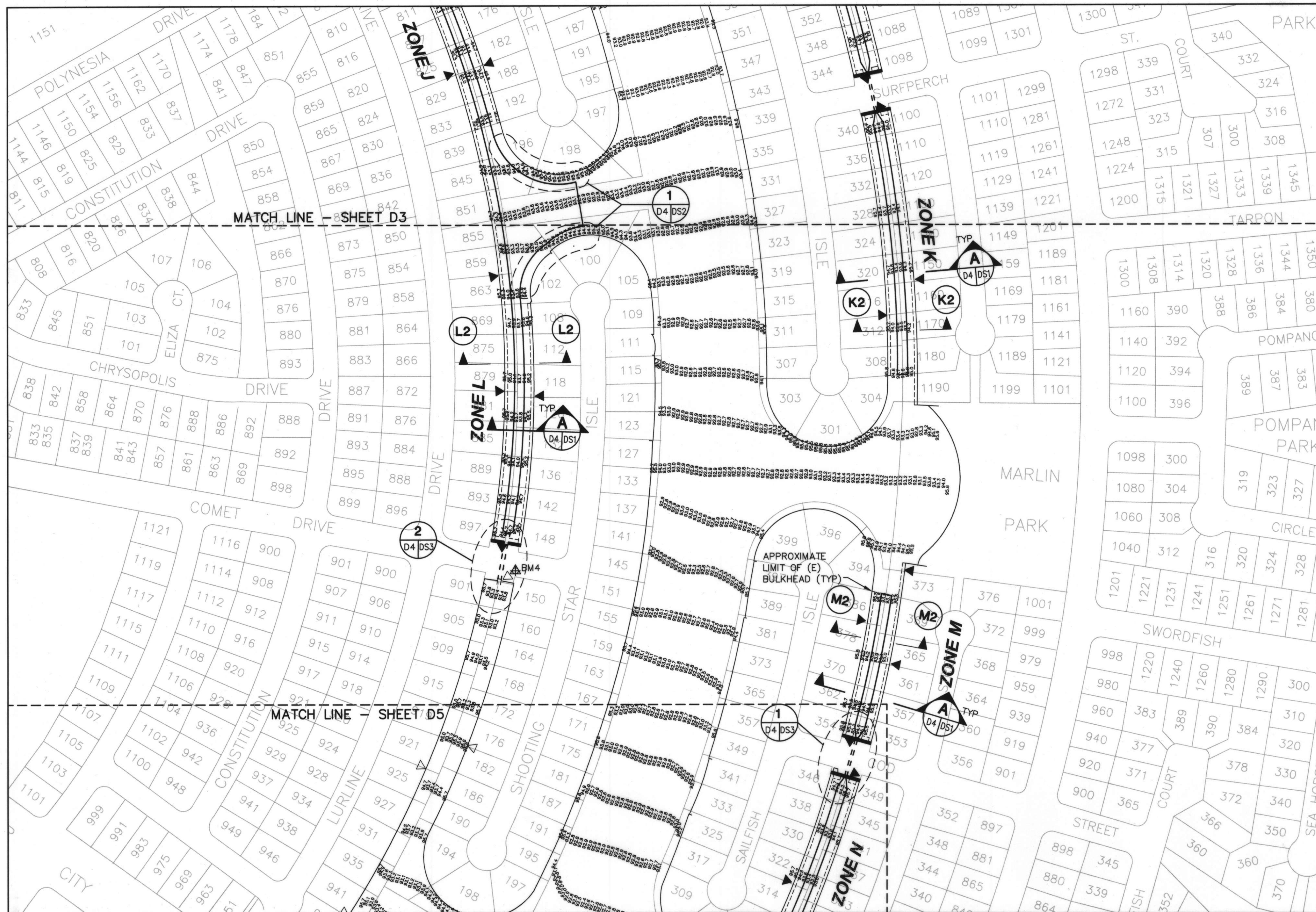


REVISIONS			
NO.	DESCRIPTION	BY	DATE

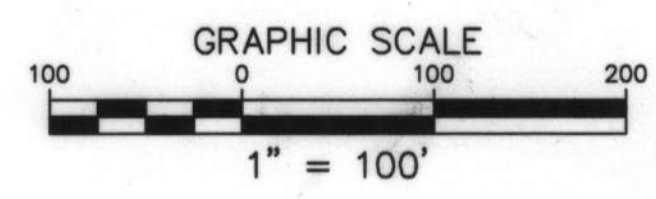


MOFFATT & NICHOL ENGINEERS	
WALNUT CREEK, CALIFORNIA	
DESIGNED BY: JAF	CHECKED BY: DRT
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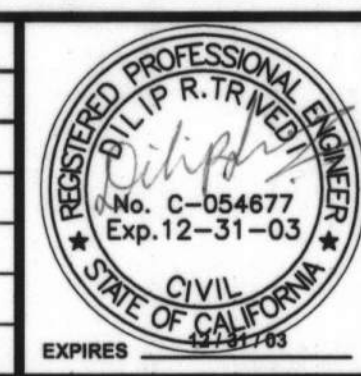
FOSTER CITY LAGOON DREDGING PROJECT	
DREDGING PLAN - ZONE G, H, I, I+, J	
SCALE AS SHOWN	DATE 7-12-02
JOB NO. 4824	
SHEET 10 of 25	D3



NOTES:
 1. SEE SHEET D1 FOR NOTES AND SHEET G2 FOR LEGEND.



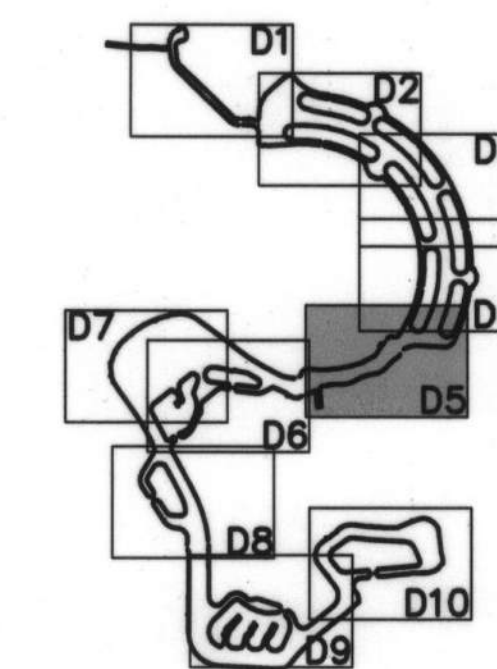
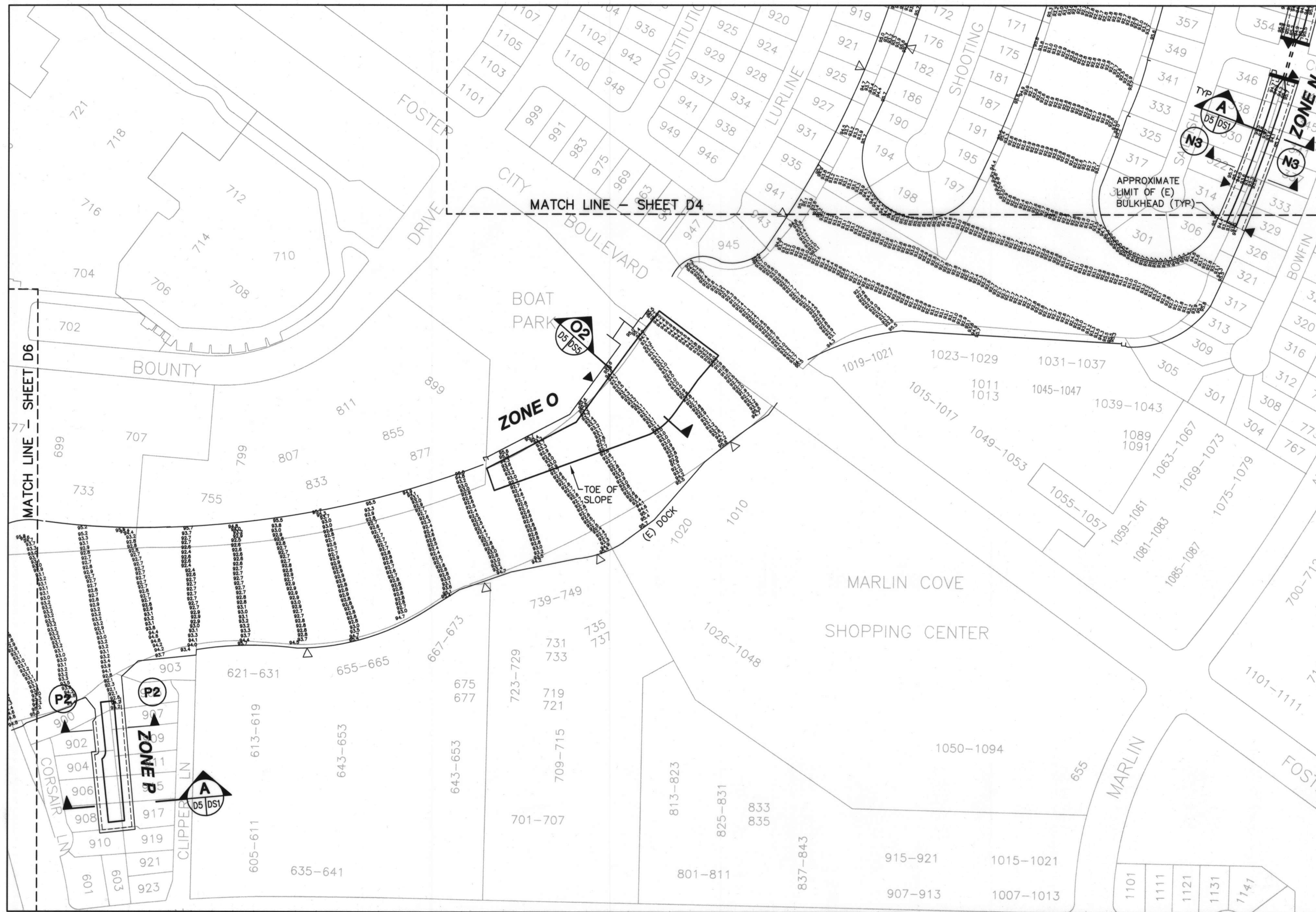
REVISIONS			
NO.	DESCRIPTION	BY	DATE



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 ENGINEERS
 WALNUT CREEK, CALIFORNIA

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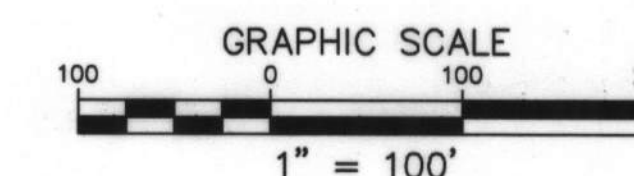
FOSTER CITY LAGOON DREDGING PROJECT		SCALE AS SHOWN	DATE 7-12-02
DREDGING PLAN - ZONE K, L, M		JOB NO. 4824	
		SHEET 11 OF 25	D4



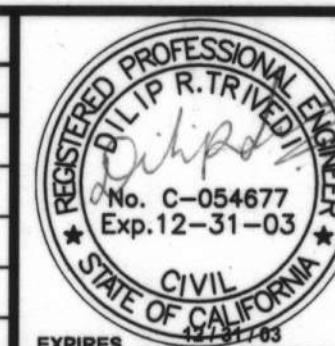
KEY MAP

NOTES:

1. SEE SHEET D1 FOR NOTES AND SHEET G2 FOR LEGEND.



REVISIONS			
NO.	DESCRIPTION	BY	DATE



MOFFATT & NICHOL
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WALNUT CREEK, CALIFORNIA

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IN CHARGE: DRT

FOSTER CITY
LAGOON DREDGING PROJECT

**DREDGING PLAN -
ZONE N, O, P**

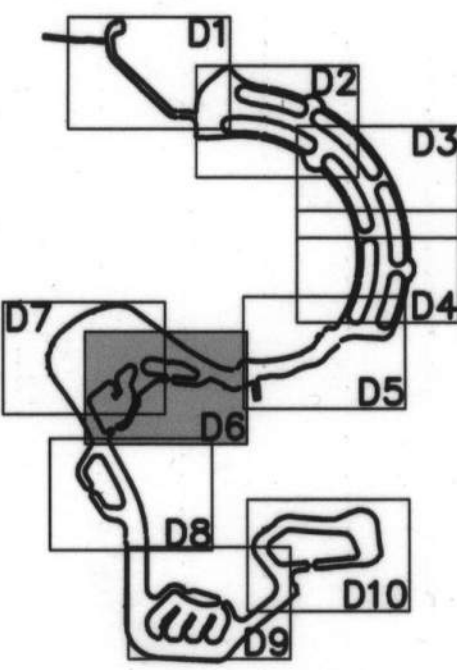
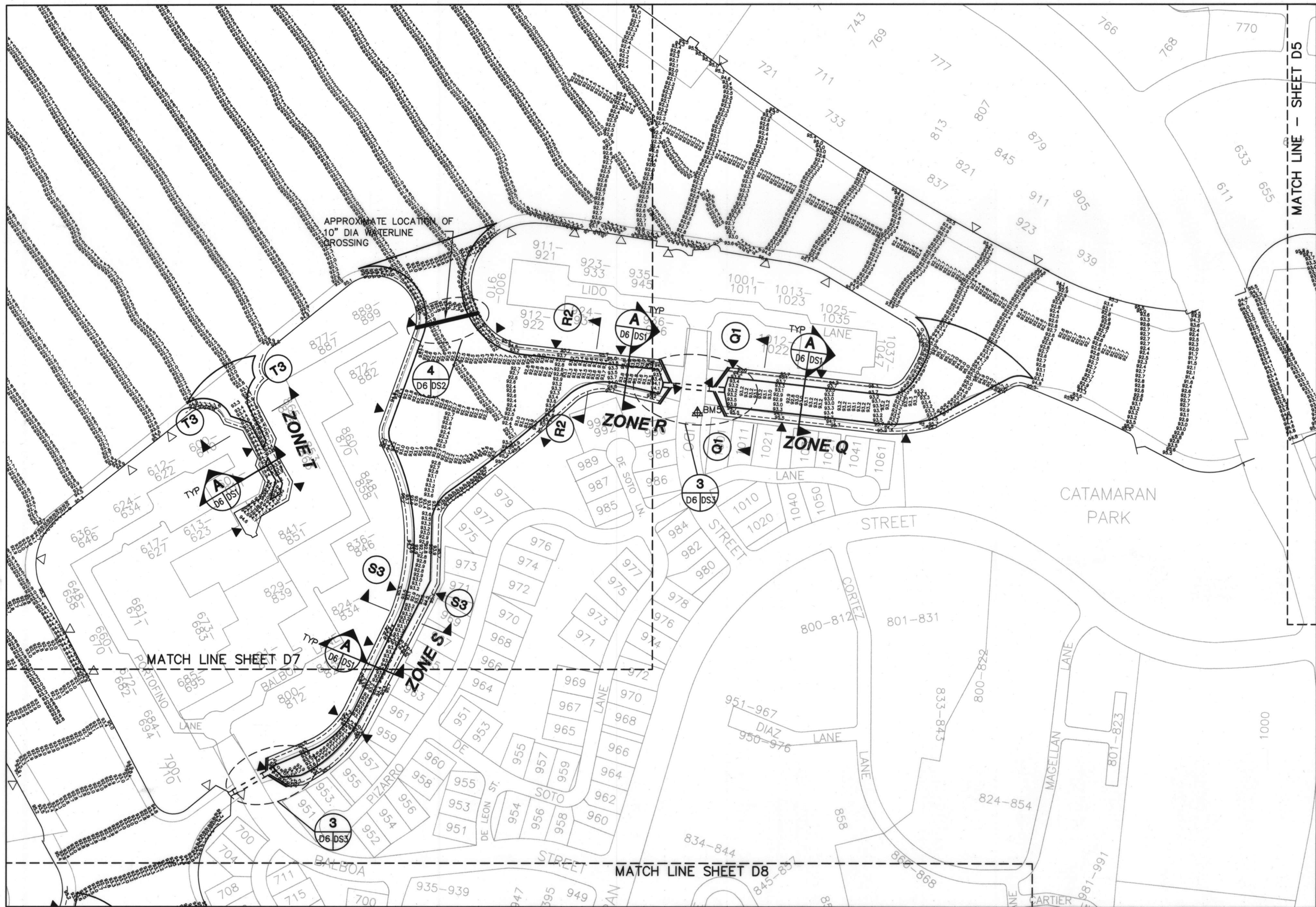
SCALE
AS SHOWN

DATE
7-12-02

JOB NO.
4824

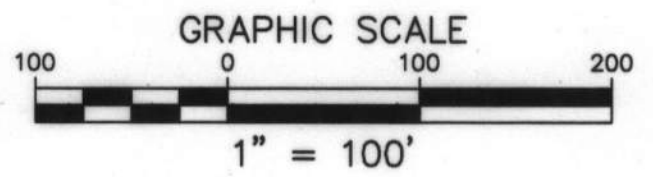
SHEET 12 OF 25

D5

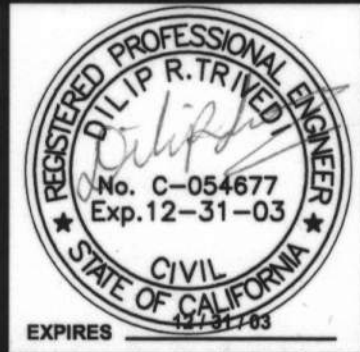



KEY MAP

NOTES:
1. SEE SHEET D1 FOR NOTES AND SHEET G2 FOR LEGEND.



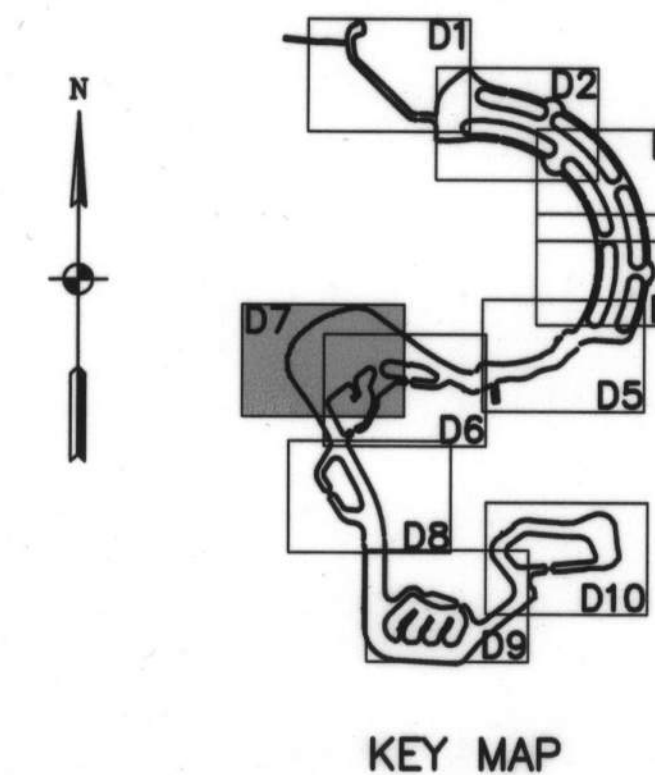
REVISIONS			
NO.	DESCRIPTION	BY	DATE



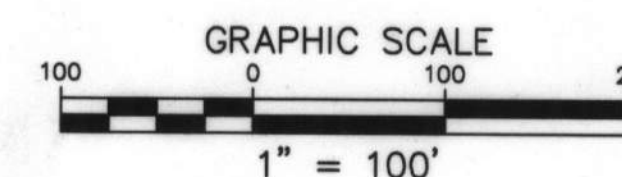
**MOFFATT & NICHOL**
ENGINEERS
WALNUT CREEK, CALIFORNIA

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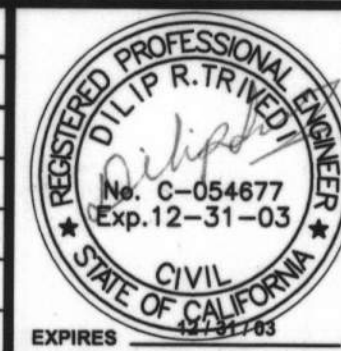
FOSTER CITY LAGOON DREDGING PROJECT		SCALE AS SHOWN	DATE 7-12-02
DREDGING PLAN - ZONE Q, R, S, T		JOB NO. 4824	
		SHEET 13	OF 25
		D6	



NOTES:
 1. SEE SHEET D1 FOR NOTES AND SHEET G2 FOR LEGEND.



REVISIONS			
NO.	DESCRIPTION	BY	DATE



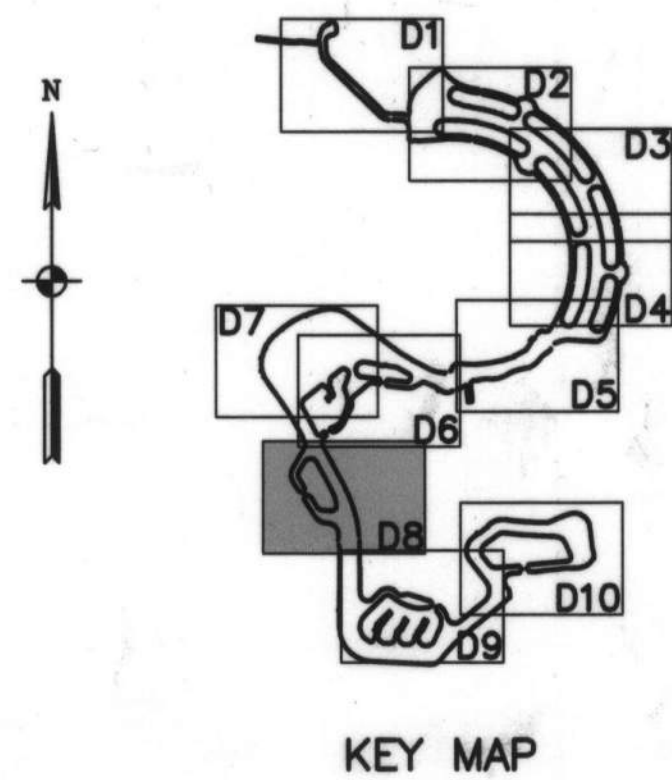
MOFFATT & NICHOL
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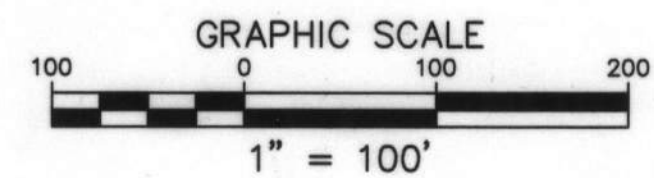
FOSTER CITY
 LAGOON DREDGING PROJECT

DREDGING PLAN - NO WORK

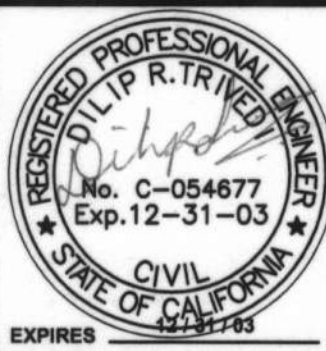
SCALE AS SHOWN	DATE 7-12-02
JOB NO. 4824	
SHEET 14 OF 25	
D7	



NOTES:
1. SEE SHEET D1 FOR NOTES AND SHEET G2 FOR LEGEND.

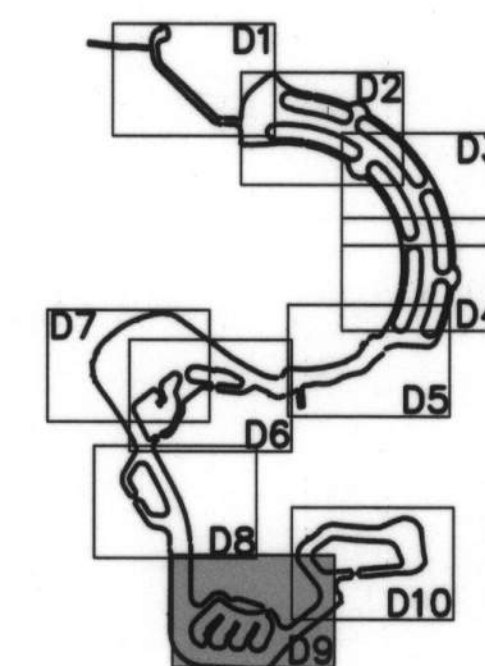
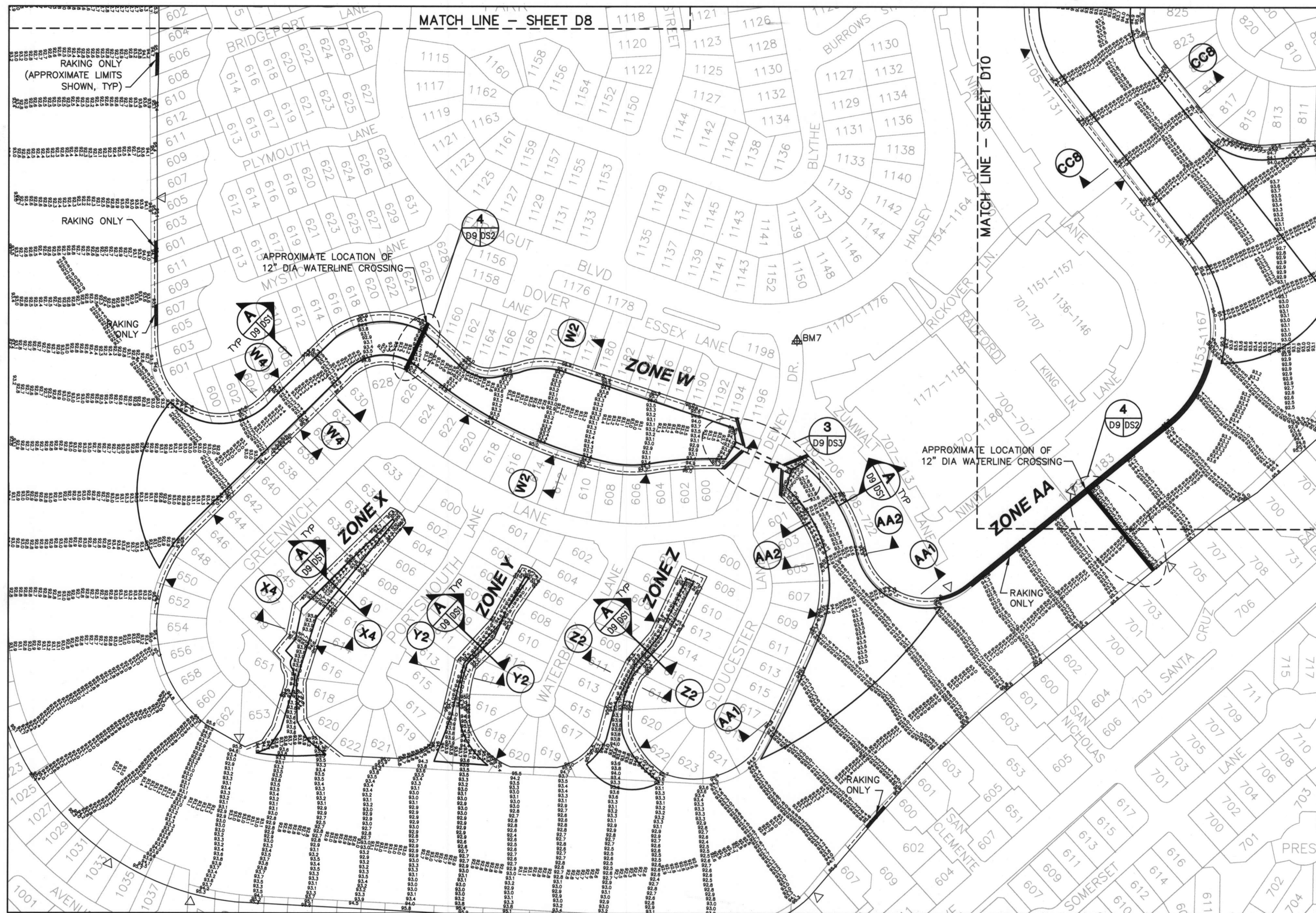


REVISIONS			
NO.	DESCRIPTION	BY	DATE



MOFFATT & NICHOL ENGINEERS	
WALNUT CREEK, CALIFORNIA	
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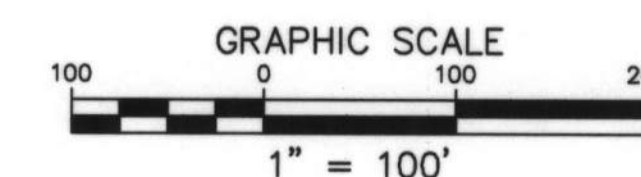
FOSTER CITY LAGOON DREDGING PROJECT	
DREDGING PLAN - ZONE U, V	
SCALE AS SHOWN	DATE 7-12-02
JOB NO. 4824	SHEET 15 OF 25
D8	



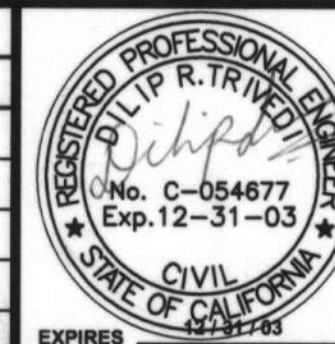
KEY MAP

NOTES:

1. SEE SHEET D1 FOR NOTES AND SHEET G2 FOR LEGEND.



REVISIONS			
NO.	DESCRIPTION	BY	DATE



MOFFATT & NICHOL
ENGINEERS

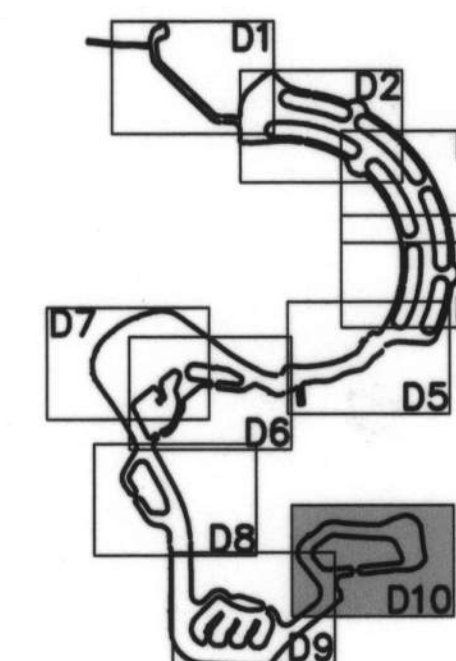
WALNUT CREEK, CALIFORNIA

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DRAWN BY: AB
CHECKED BY: DRT
IN CHARGE: DRT

FOSTER CITY
LAGOON DREDGING PROJECT

**DREDGING PLAN -
ZONE W, X, Y, Z, AA**

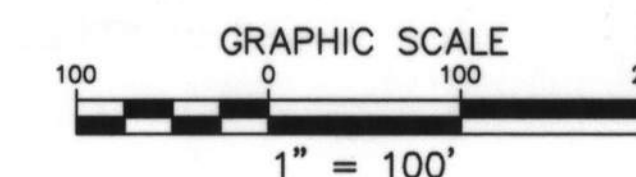
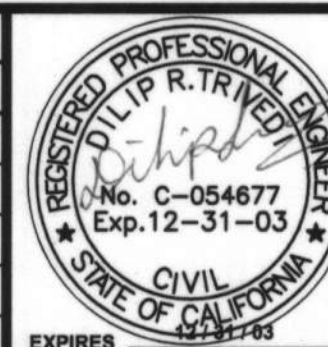
SCALE AS SHOWN	DATE 7-12-02
JOB NO. 4824	
SHEET 16	OF 25
D9	



KEY MAP

NOTES:

1. SEE SHEET D1 FOR NOTES AND SHEET G2 FOR LEGEND.

[illegible]
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 ENGINEERS

DESIGNED BY: JAF

CHECKED BY:	DRT
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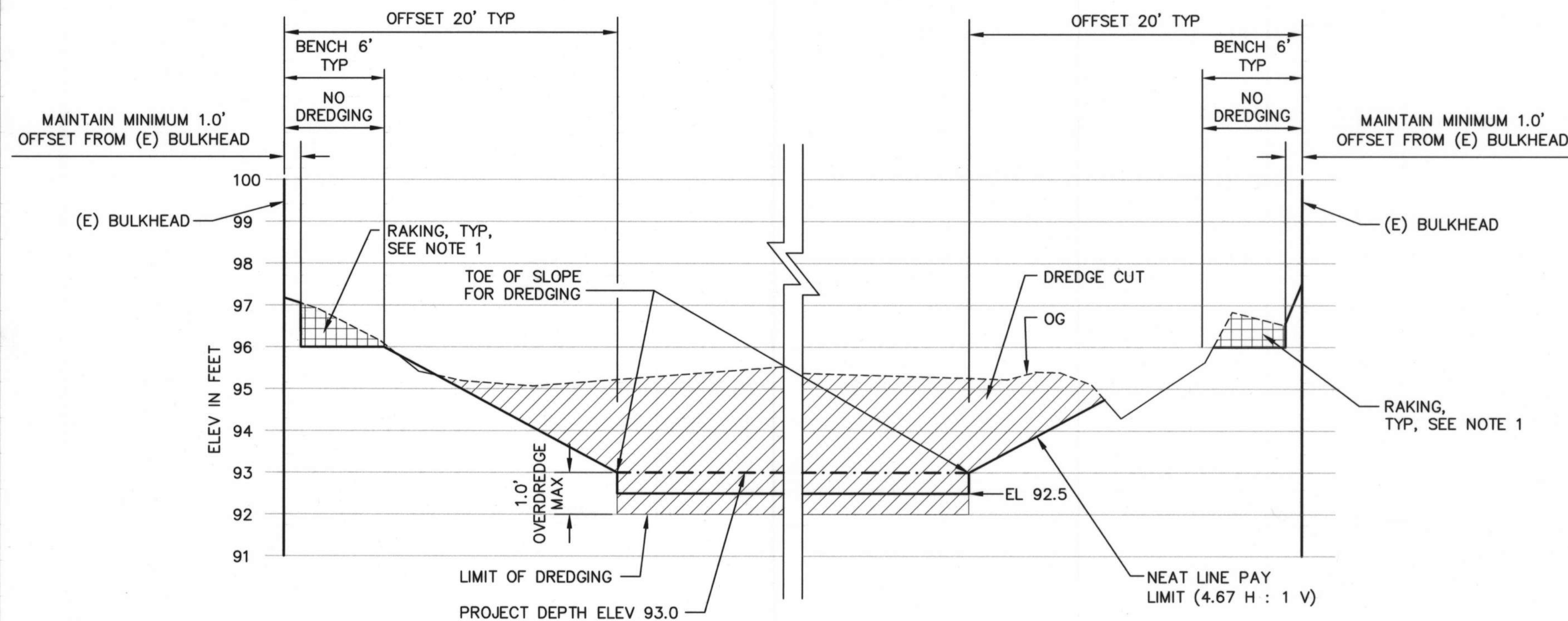
DRAWN BY: AB

IN CHARGE:	DRT
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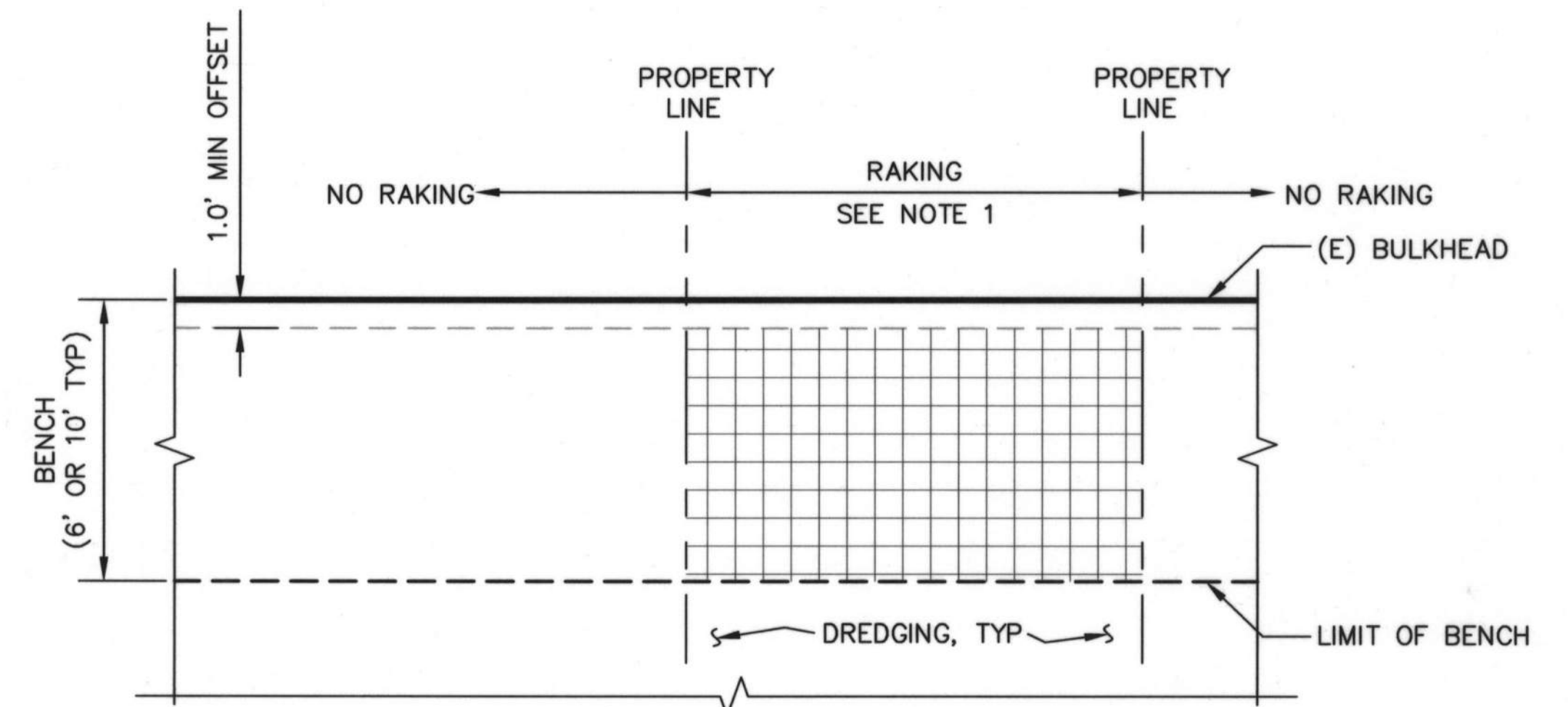
**FOSTER CITY
LAGOON DREDGING PROJECT**

**DREDGING PLAN -
ZONE BB, CC**

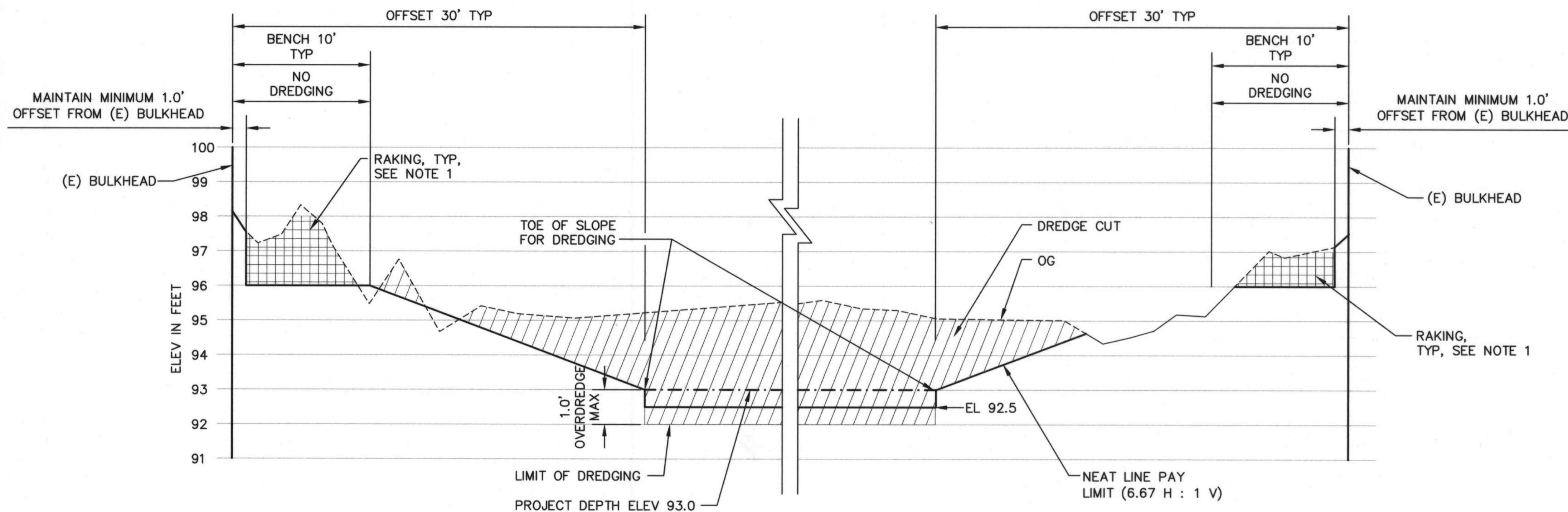
SCALE	DATE
AS SHOWN	7-12-02
JOB NO.	
4824	
SHEET	17 OF 25
D10	



TYPICAL DREDGING SECTION A
 1" = 5' HORZ
 1" = 2' VERT



TYPICAL RAKING PLAN VIEW
 1" = 5'

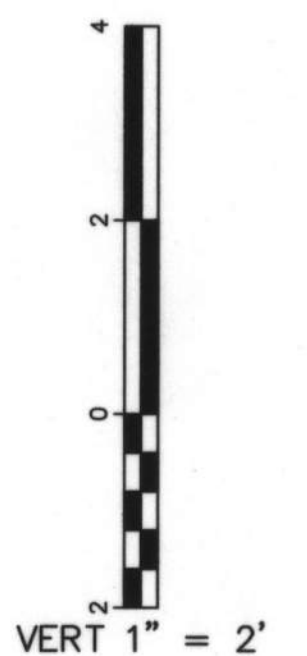


TYPICAL DREDGING SECTION B
 1" = 5' HORZ
 1" = 2' VERT

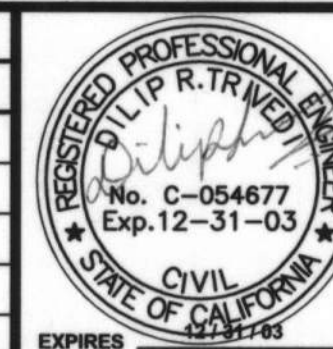
NOTES:

1. RAKE MATERIAL BY MECHANICAL MEANS INTO DREDGE CUT. REFER TO SHEET DS8 FOR LOCATIONS OF AREAS TO BE RAKED.
2. SEE SHEET DS8 FOR LOCATION OF STORM DRAINS AND CULVERTS THAT REQUIRE RAKING.

GRAPHIC SCALES

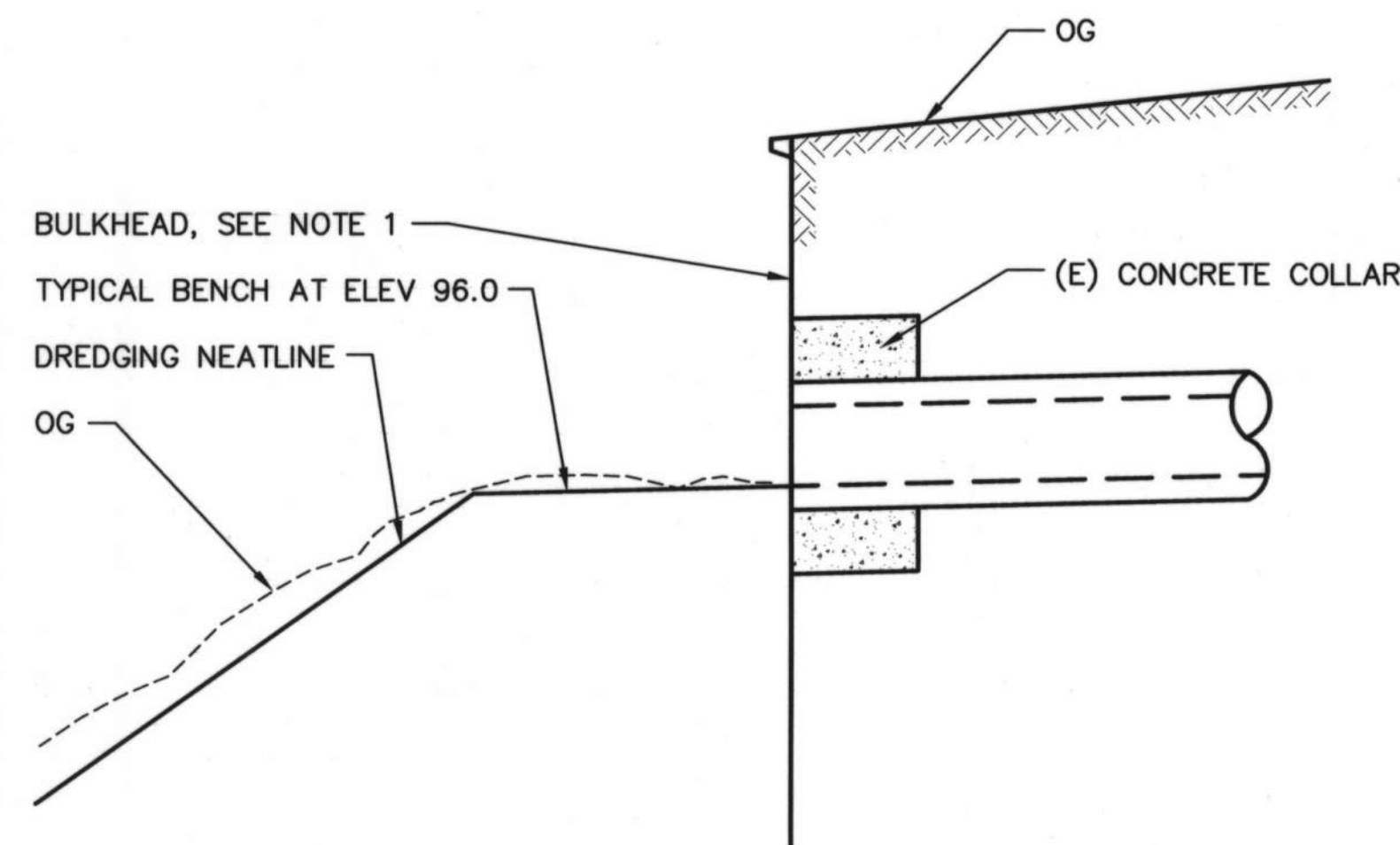


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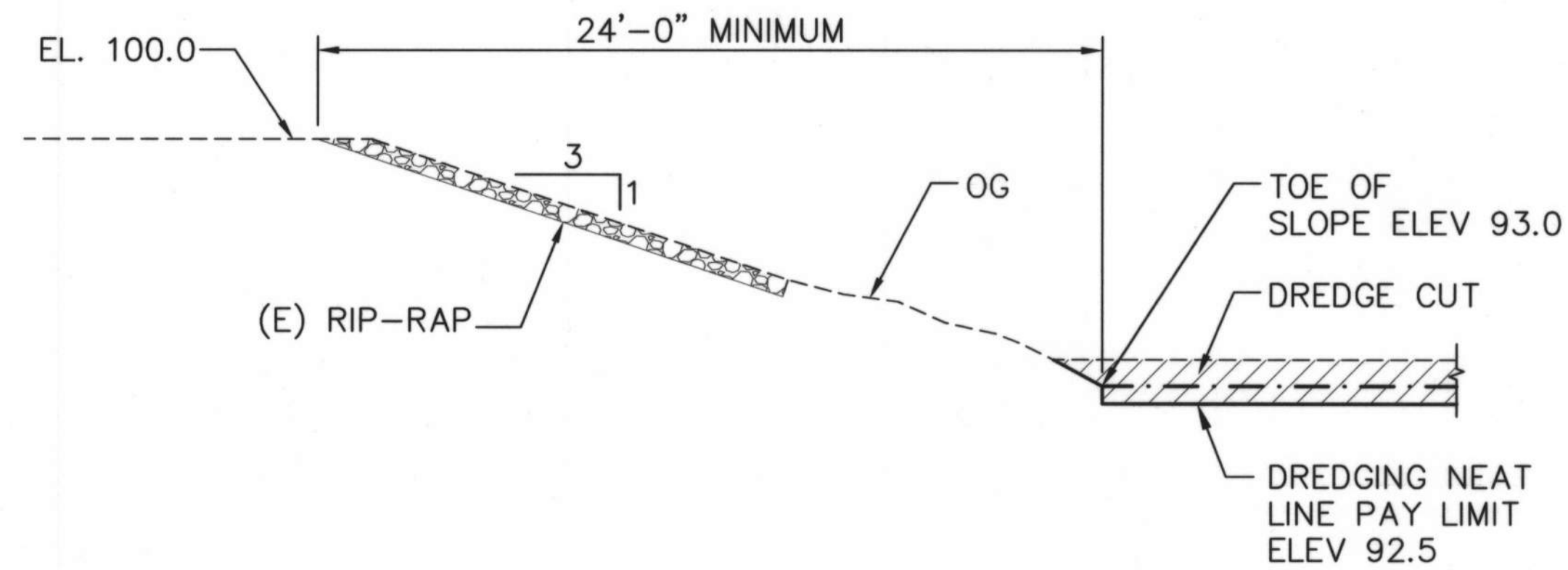


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FOSTER CITY LAGOON DREDGING PROJECT		SCALE AS SHOWN	DATE 7-12-02
TYPICAL DREDGING SECTIONS		JOB NO.	4824
		SHEET	18 OF 25
		DS1	

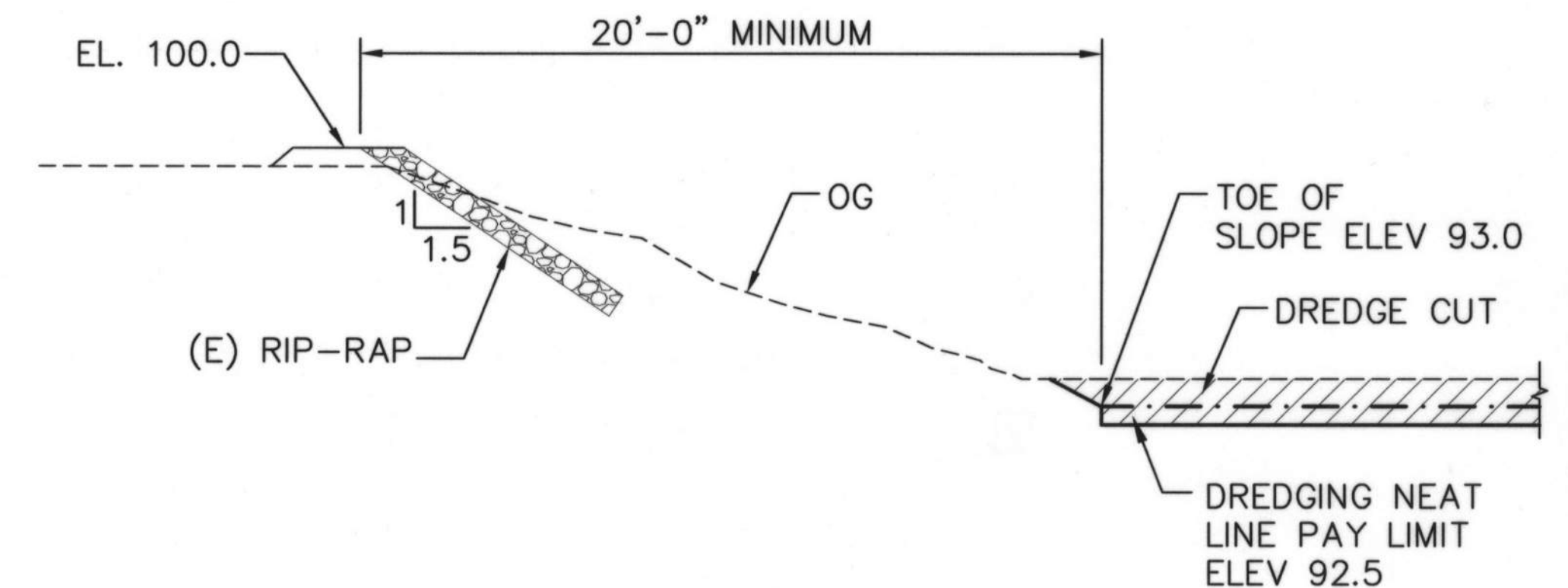


**EXISTING TYPICAL STORM
DRAIN THRU BULKHEAD**
NTS



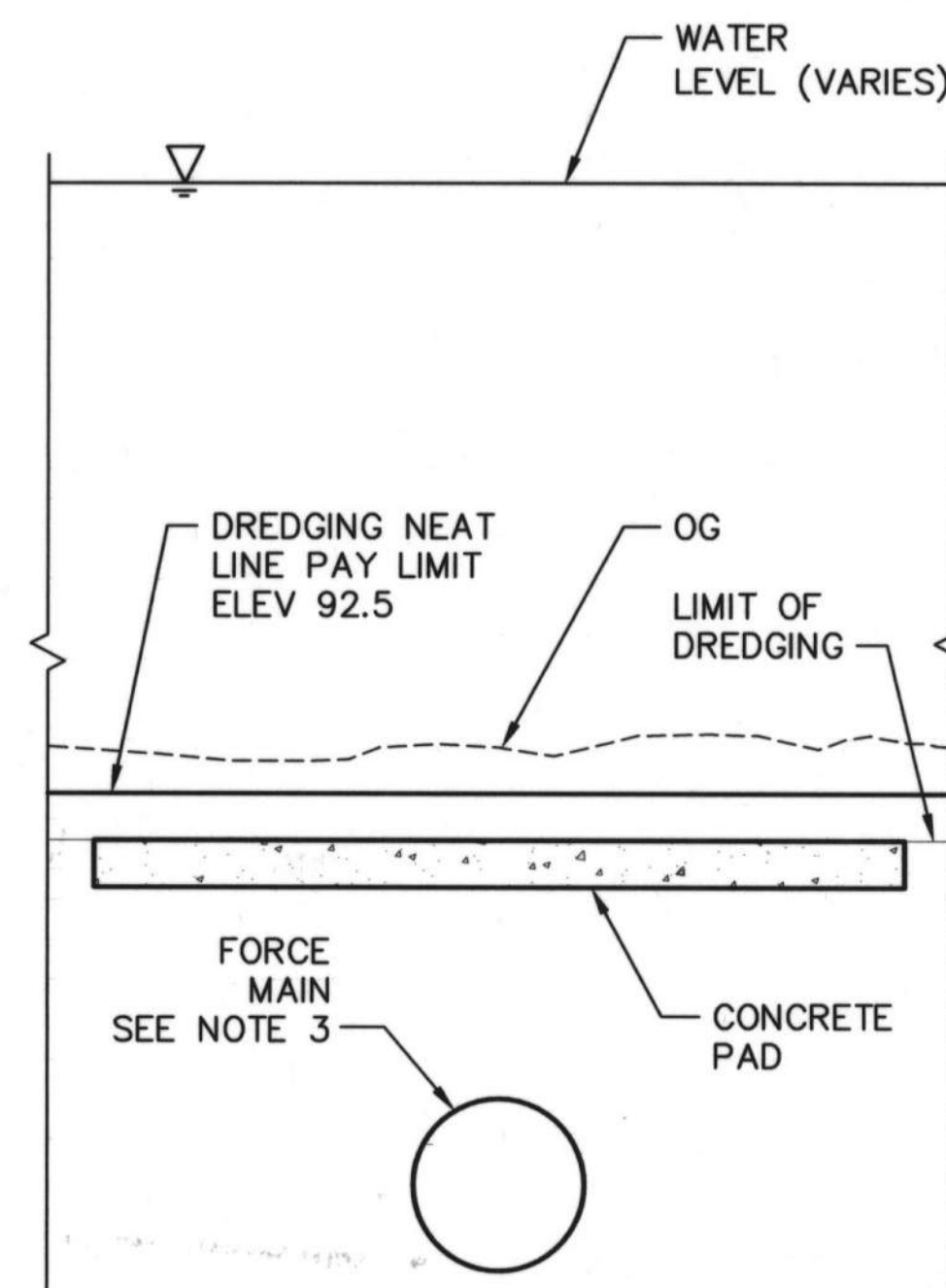
EXISTING RIP-RAP SLOPE 3H : 1V - DETAIL
NTS

1
D3 DS2
D4
D5



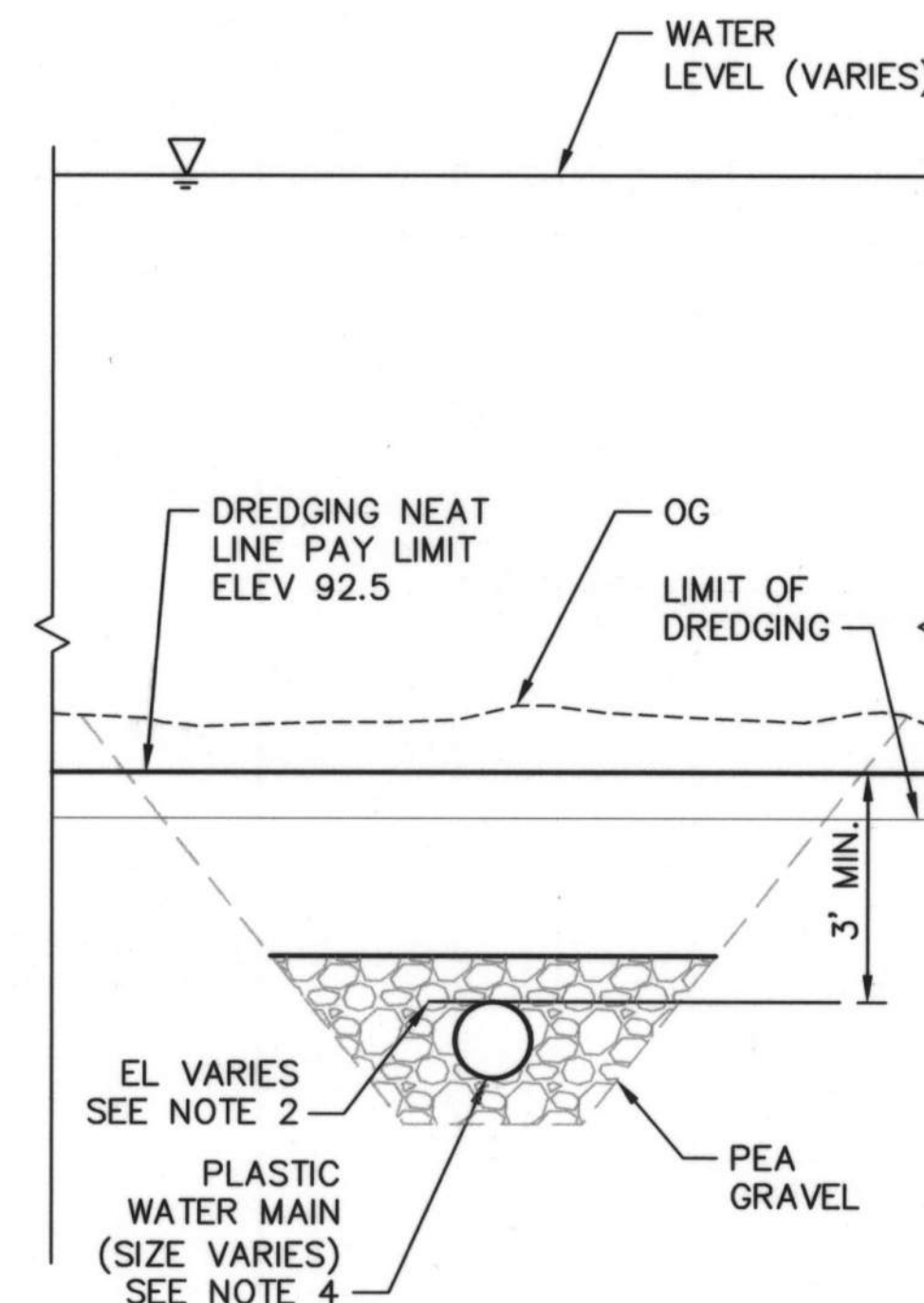
EXISTING RIP-RAP SLOPE 1.5H : 1V - DETAIL
NTS

2
D3 DS2



EXISTING FORCE MAIN CROSSING - DETAIL
NTS

3
D1 DS1



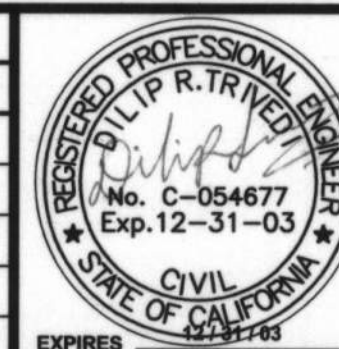
EXISTING WATERLINE CROSSING - DETAIL
NTS

4
D6 DS2
D9

NOTES:

1. FOR LOCATIONS OF STORM DRAINS THROUGH BULKHEAD, FORCE MAIN AND WATERLINE CROSSINGS SEE SHEETS D1 THRU D10.
2. ELEVATION OF TOP OF WATERLINES AND FORCE MAIN VARY FROM ELEV 89.0 TO 90.0 CONTRACTOR SHALL VERIFY PRIOR TO START OF DREDGING.

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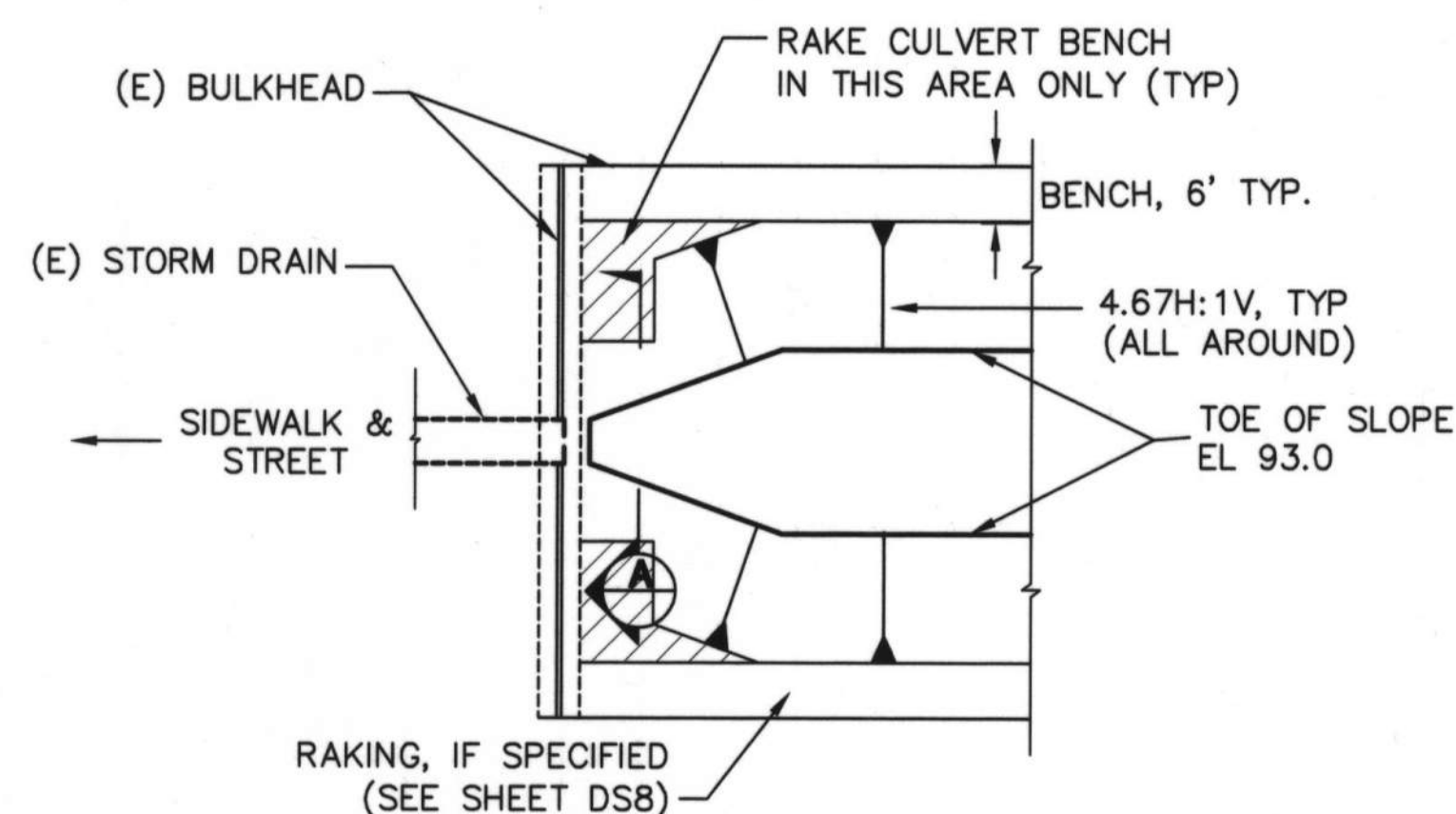
**TYPICAL DETAILS OF
EXISTING STRUCTURES**

SCALE
AS SHOWN
DATE
7-12-02

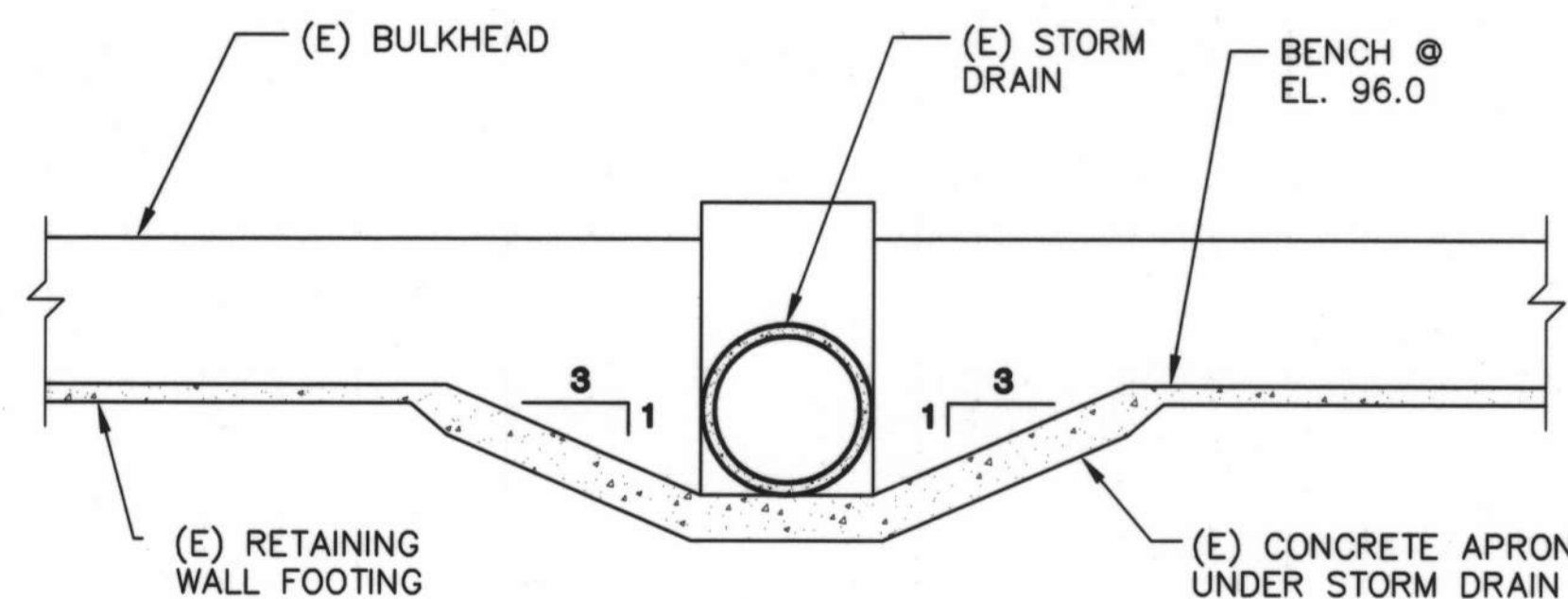
JOB NO.
4824

SHEET 19 of 25

DS2



PLAN VIEW
1" = 20'

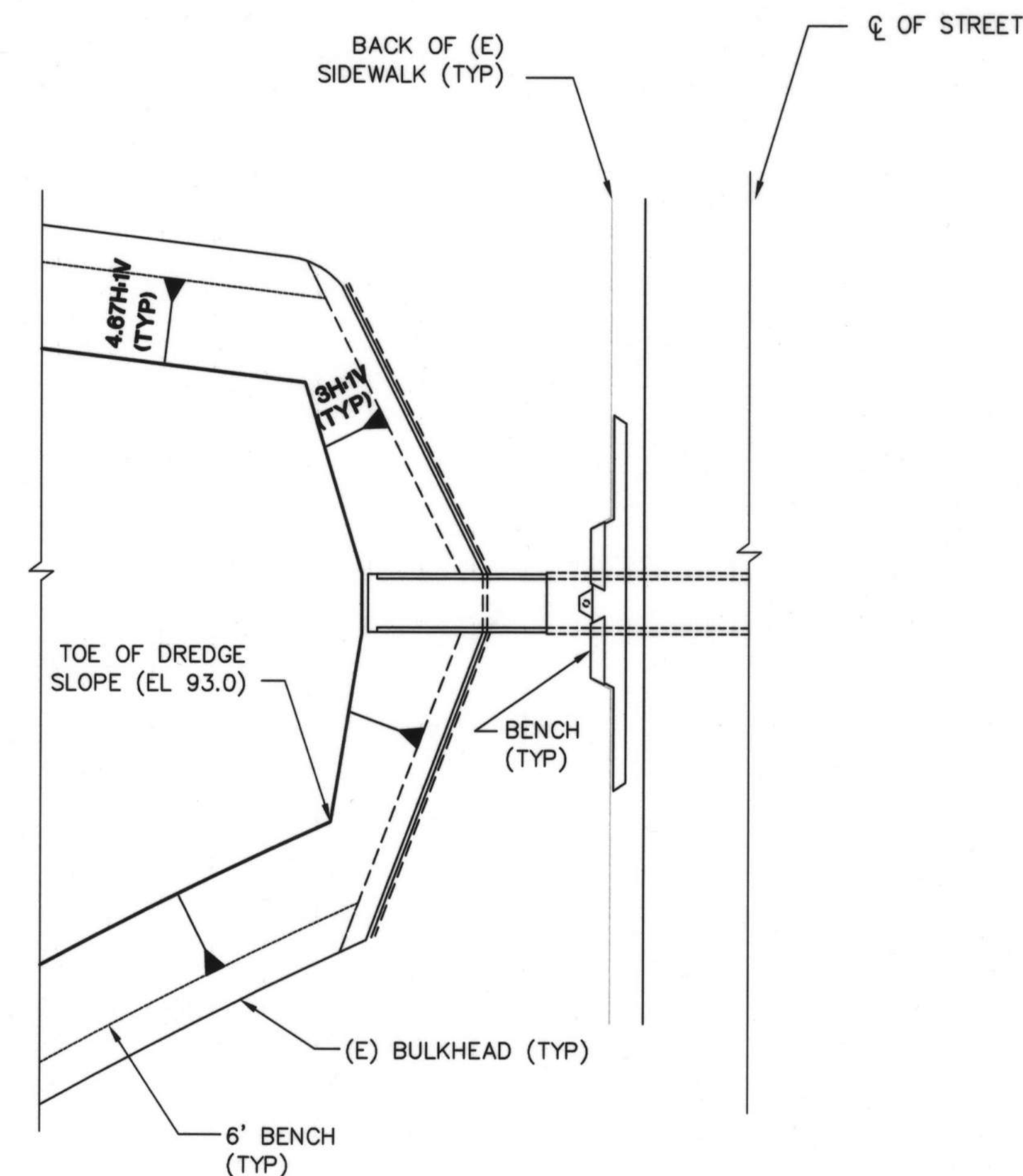


NOTE: OG NOT SHOWN FOR CLARITY

SECTION A
1" = 5'

EXISTING STORM DRAIN W/O HEADWALL - DETAIL
SCALE AS NOTED

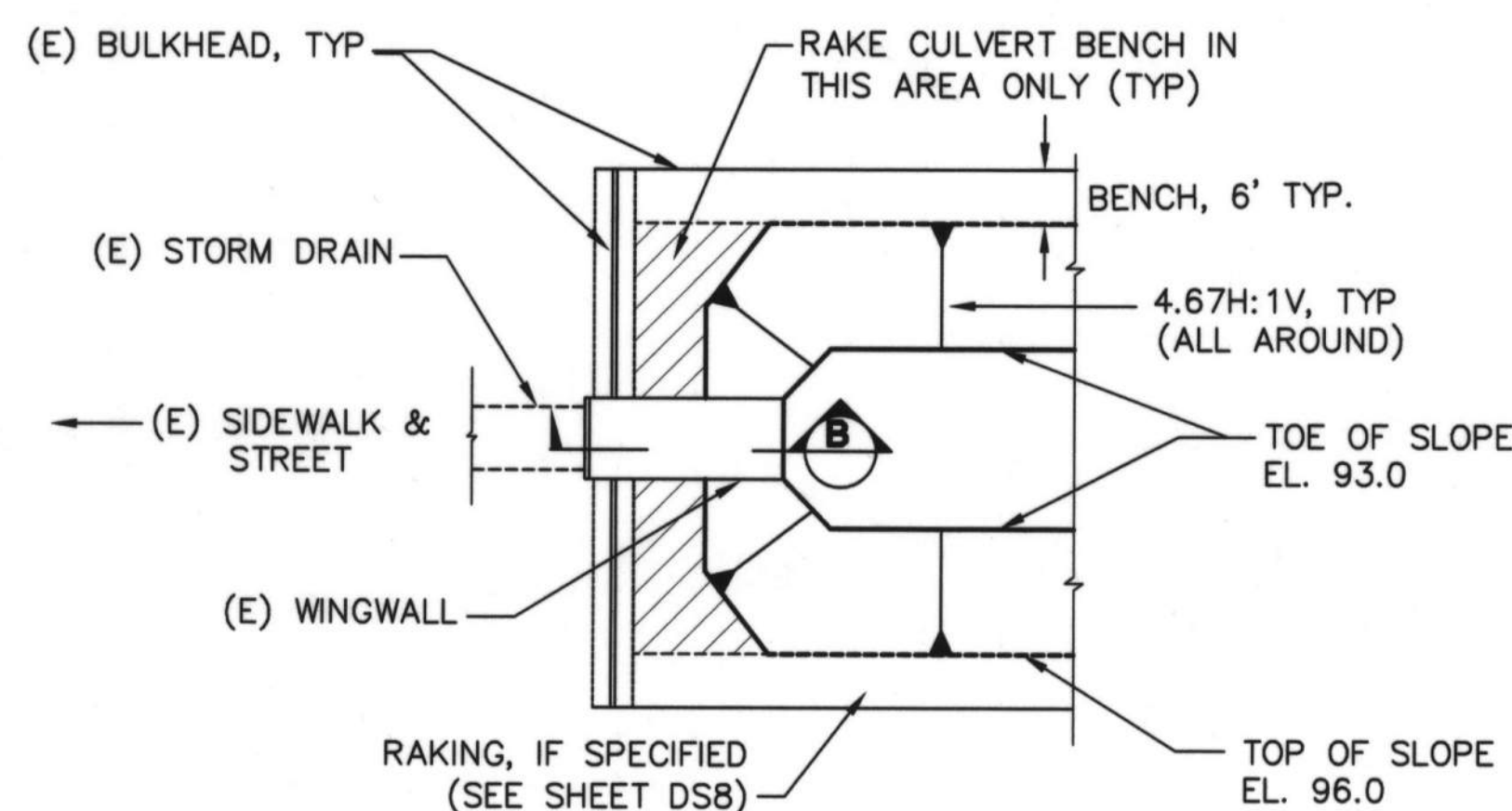
2
D2 DS3
D3
D4
D5



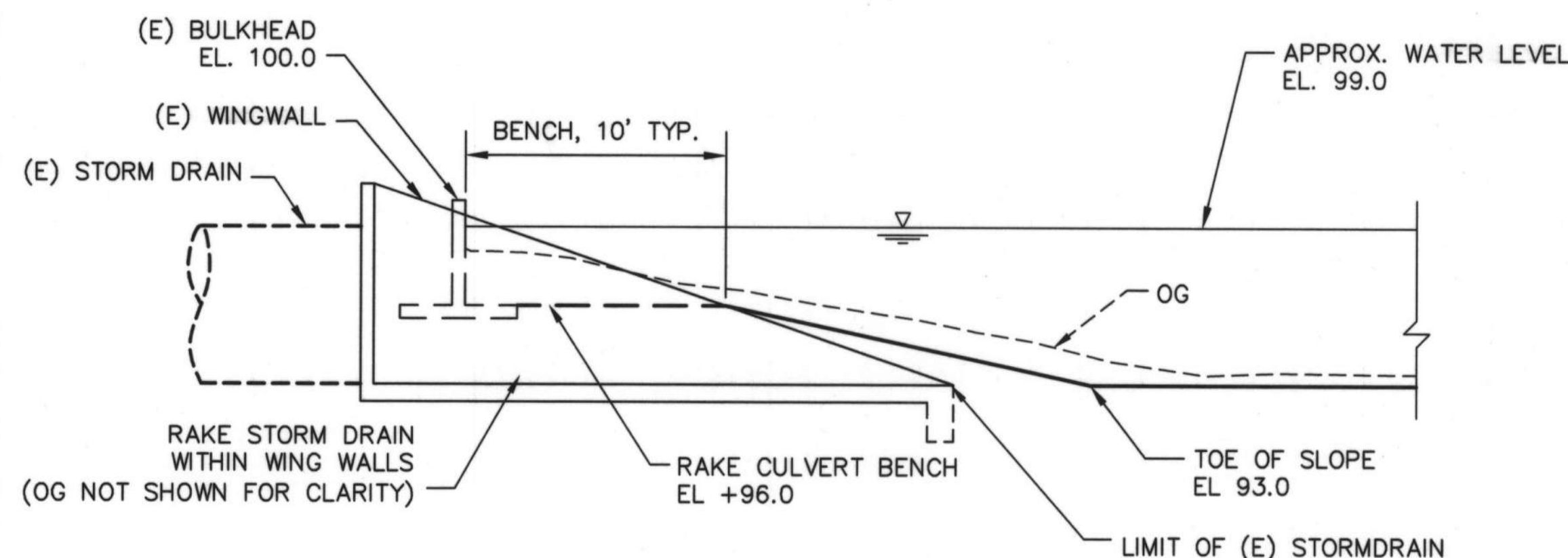
PLAN VIEW
1" = 20'

EXISTING BOX CULVERT W/WINGWALL - DETAIL
SCALE AS NOTED

7
D6 DS3
D8
D9
D10



PLAN VIEW
1" = 20'



SECTION B
1" = 5'

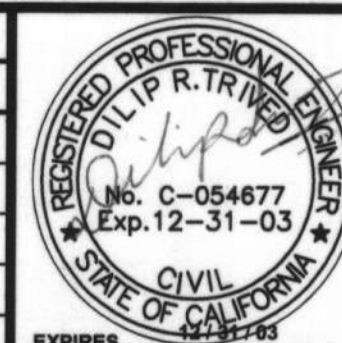
EXISTING STORM DRAIN WITH WINGWALL - DETAIL
SCALE AS NOTED

2
D2 DS3
D3
D4
D5

NOTES:

- DISTANCES AND ELEVATIONS SHOWN ARE APPROXIMATE. CONTRACTOR TO VERIFY PRIOR TO DREDGING/RAKING WORK.
- TYPICAL BOX CULVERTS WITH CONCRETE RETAINING WING WALLS ARE LOCATED IN ZONES Q-CC.
- TYPICAL STORM DRAINS WITH HEADWALL ARE LOCATED IN ZONES C, E, H, J, AND L.
- TYPICAL STORM DRAINS W/O HEADWALL ARE LOCATED IN ZONES B, D, F, G, I, K, M, AND N.
- WHEN DREDGING OR RAKING NEAR STORM DRAINS, CULVERTS OR BULKHEADS, CONTRACTOR SHALL ALLOW A MINIMUM OF 1-FOOT CLEARANCE FROM ALL EXISTING STRUCTURES.

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FOSTER CITY
LAGOON DREDGING PROJECT

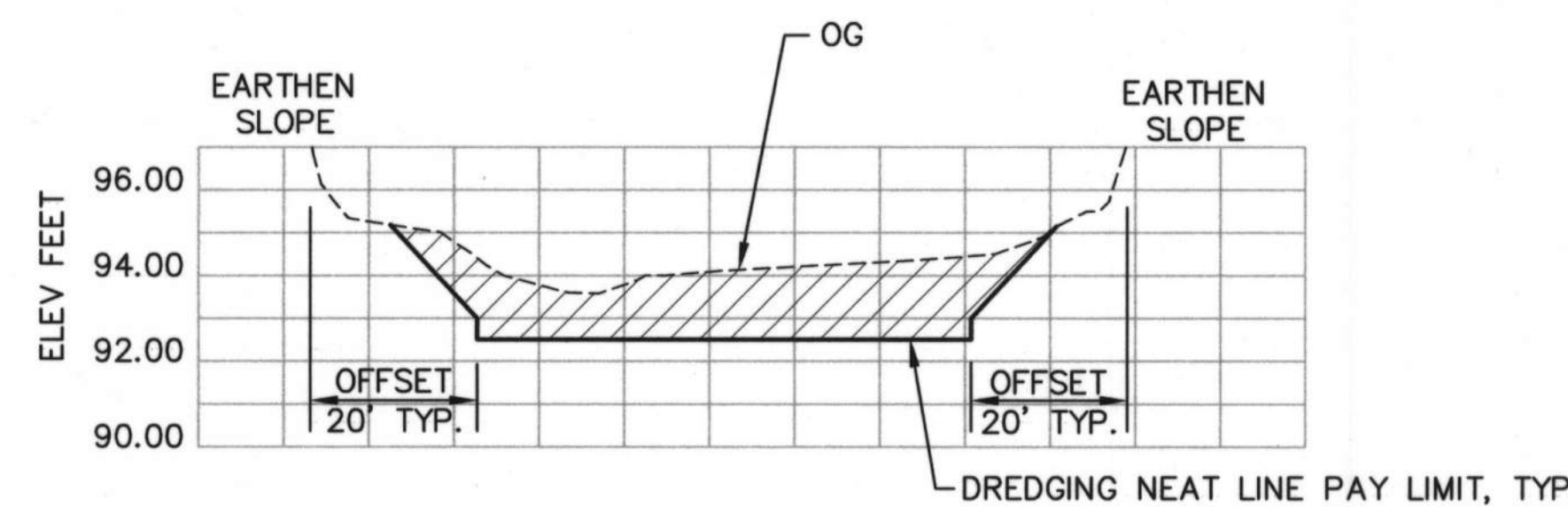
TYPICAL DREDGING SECTIONS

SCALE AS SHOWN
DATE 7-12-02

JOB NO. 4824

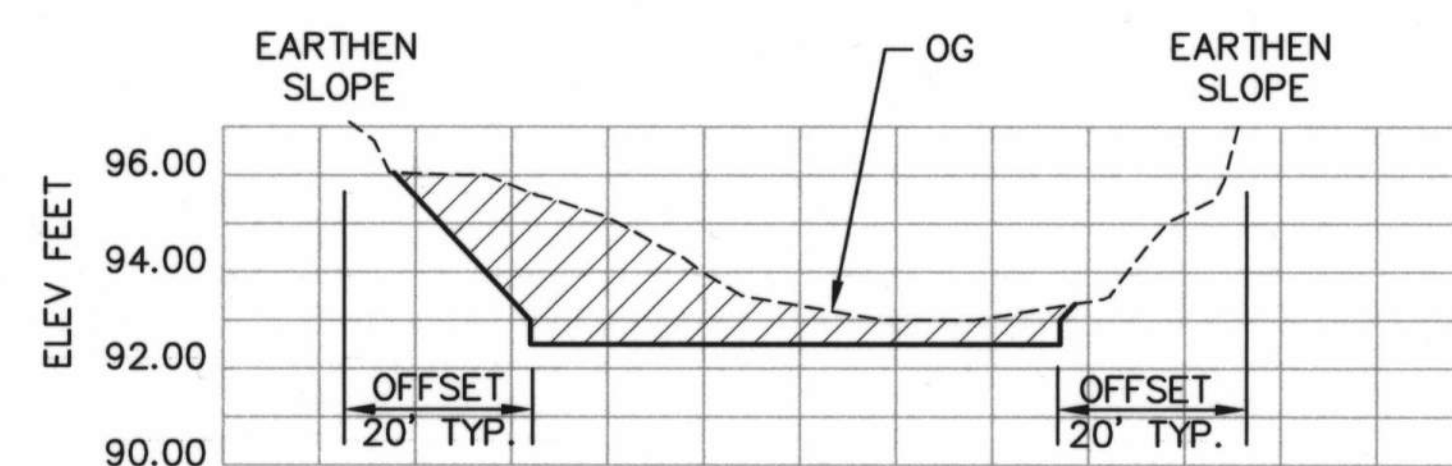
SHEET 20 OF 25

DS3



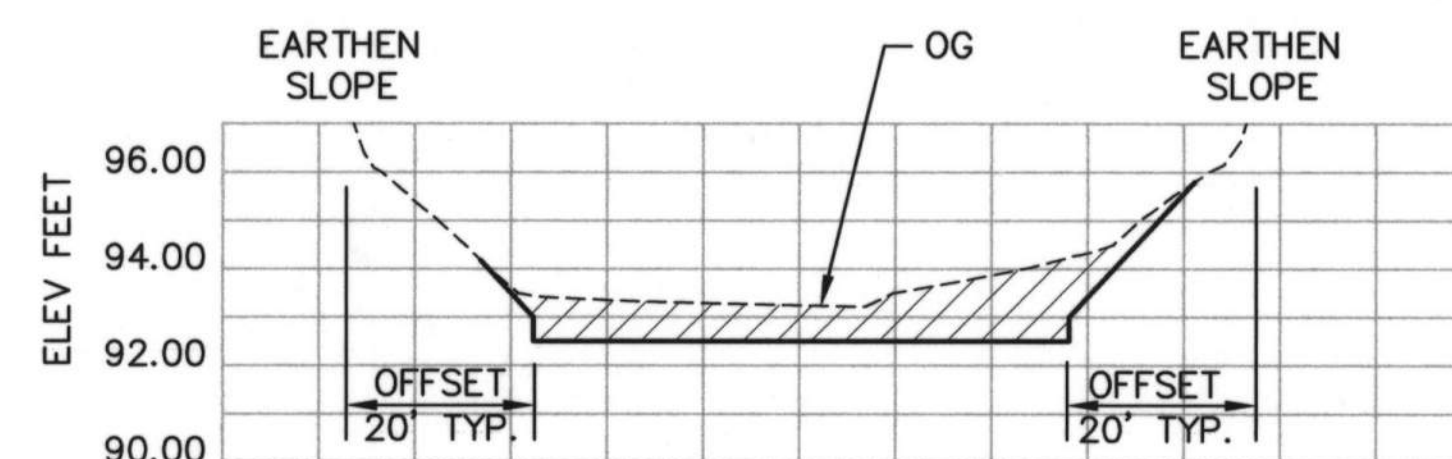
ZONE A - SECTION A3

SCALE: 1" = 20' HORIZ
1" = 4' VERT



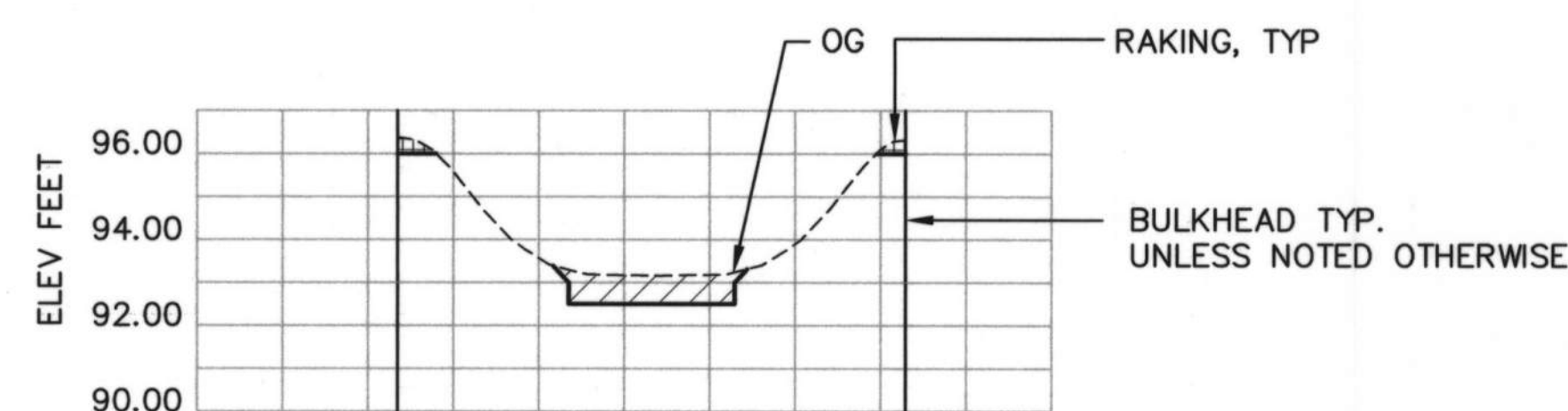
ZONE A - SECTION A4

SCALE: 1" = 20' HORIZ
1" = 4' VERT



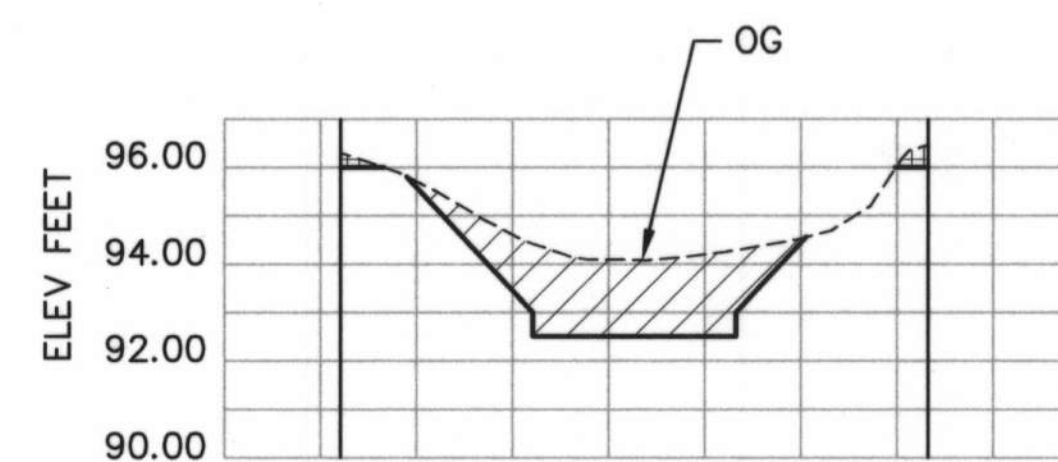
ZONE A - SECTION A6

SCALE: 1" = 20' HORIZ
1" = 4' VERT



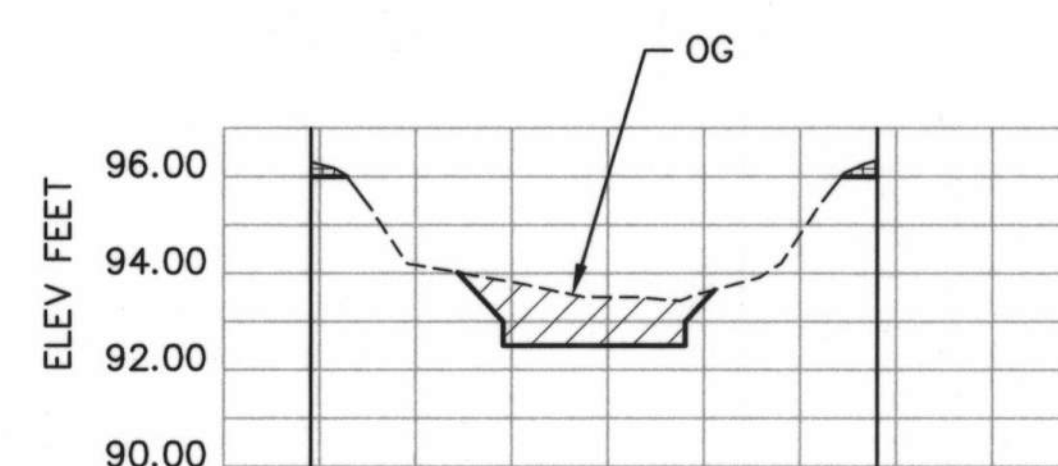
ZONE B - SECTION B3

SCALE: 1" = 20' HORIZ
1" = 4' VERT



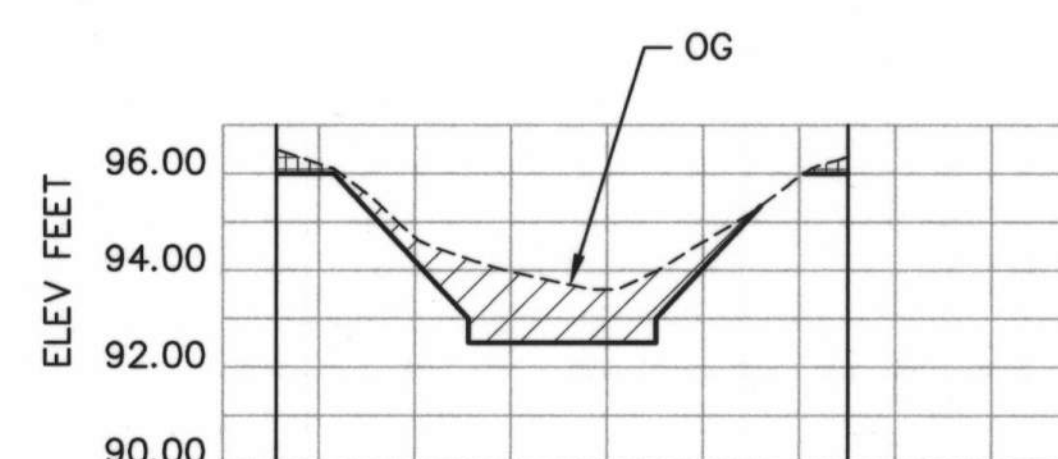
ZONE C - SECTION C2

SCALE: 1" = 20' HORIZ
1" = 4' VERT



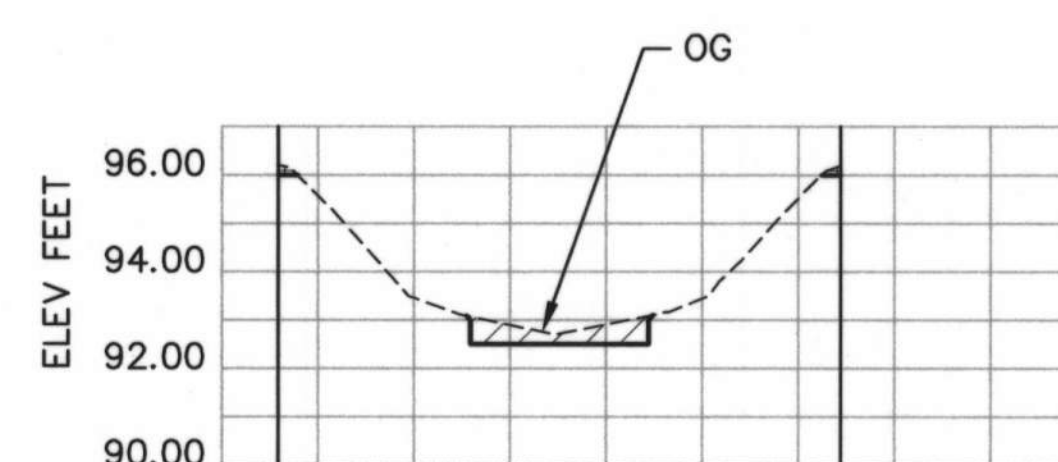
ZONE D - SECTION D3

SCALE: 1" = 20' HORIZ
1" = 4' VERT



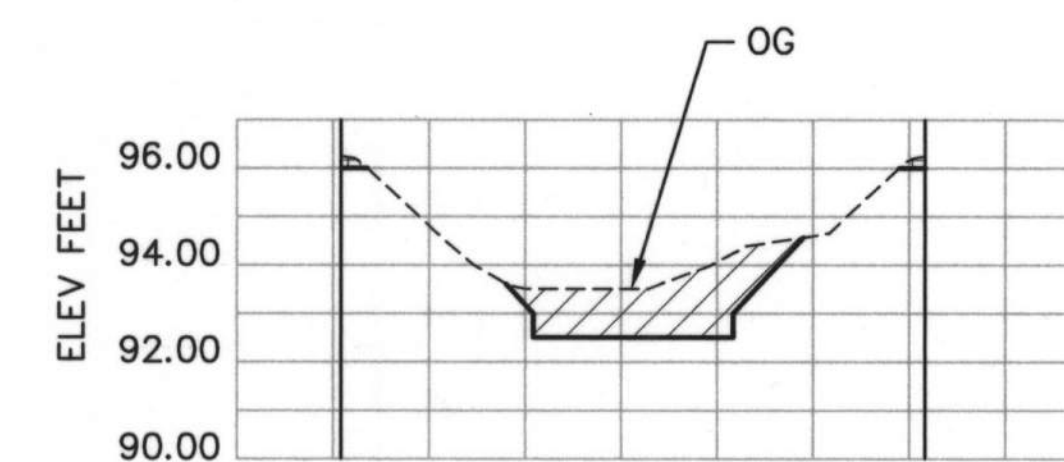
ZONE E - SECTION E3

SCALE: 1" = 20' HORIZ
1" = 4' VERT



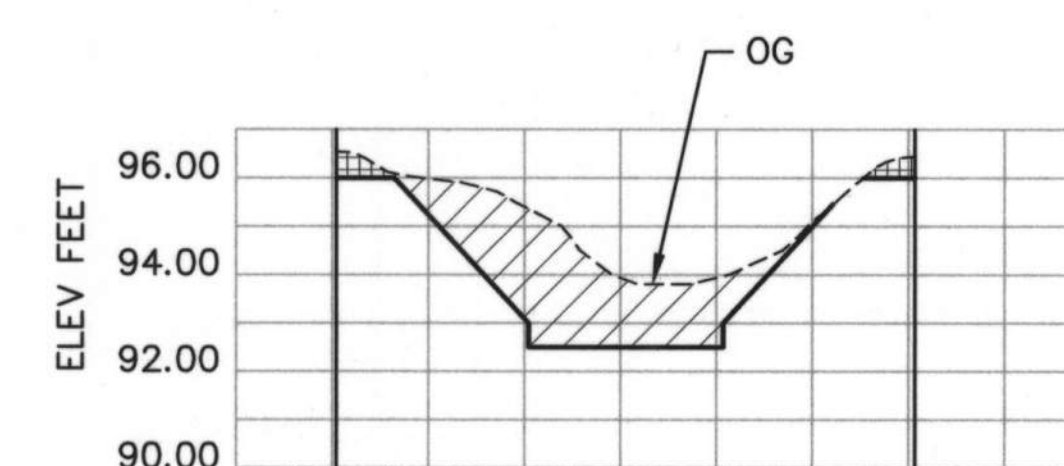
ZONE F - SECTION F2

SCALE: 1" = 20' HORIZ
1" = 4' VERT



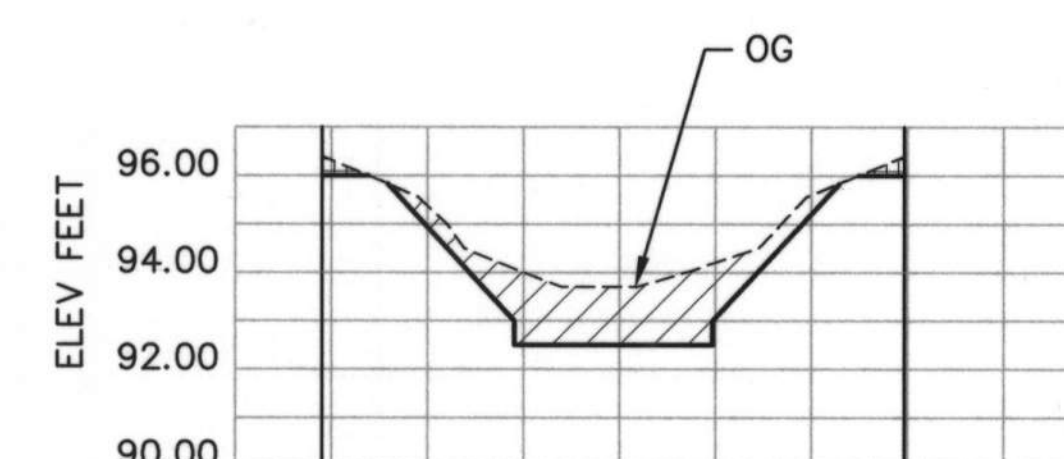
ZONE G - SECTION G2

SCALE: 1" = 20' HORIZ
1" = 4' VERT



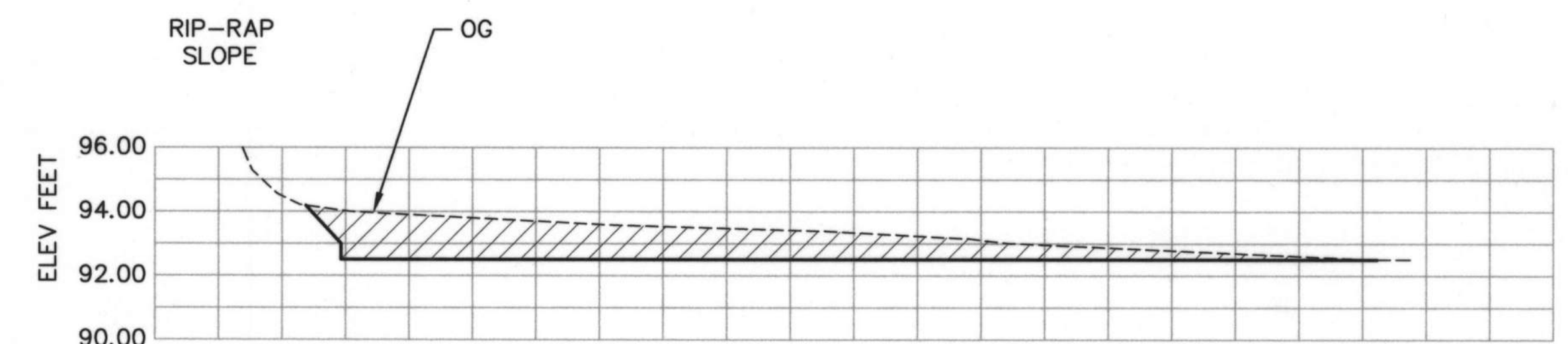
ZONE H - SECTION H3

SCALE: 1" = 20' HORIZ
1" = 4' VERT



ZONE I - SECTION I3

SCALE: 1" = 20' HORIZ
1" = 4' VERT

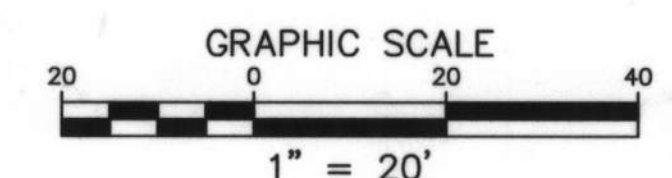


ZONE I+ - SECTION I+1

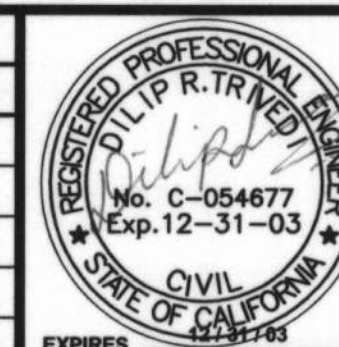
SCALE: 1" = 20' HORIZ
1" = 4' VERT

NOTES:

1. SECTION CUTS ARE TAKEN FROM THE LOCATIONS SHOWN ON SHEETS D1 THROUGH D10 FOR THE CORRESPONDING ZONE INDICATED.
2. DEPTHS ARE BASED ON THE BATHYMETRIC SURVEY AND LEAD LINE SOUNDINGS.
3. SEE SHEET G2 FOR ADDITIONAL NOTES.
4. ZONE "A" HAS NO SHORE PROTECTION ON THE BANKS. TOE OF SLOPE FOR DREDGING IS BASED FROM ELEVATION 99.0.



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WALNUT CREEK, CALIFORNIA

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LAGOON DREDGING PROJECT

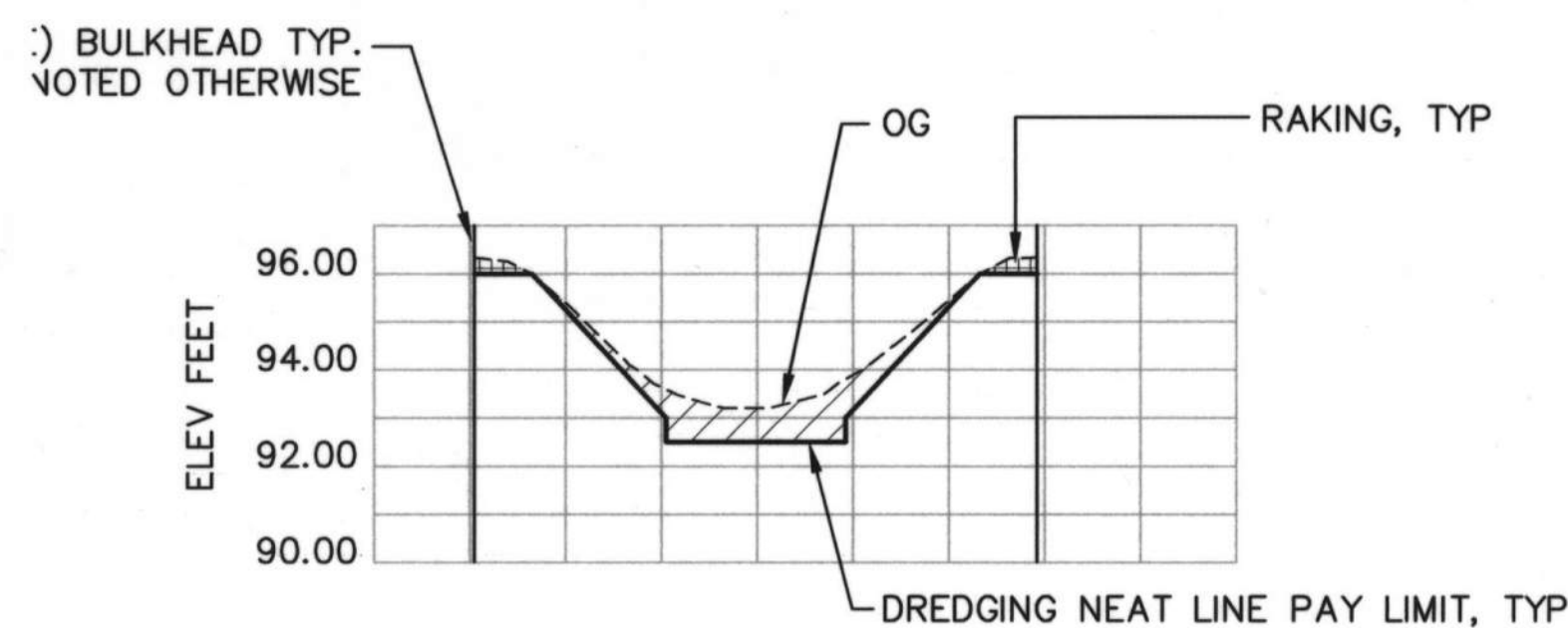
SECTIONS ZONE A TO I+

SCALE AS SHOWN
DATE 7-12-02

JOB NO. 4824

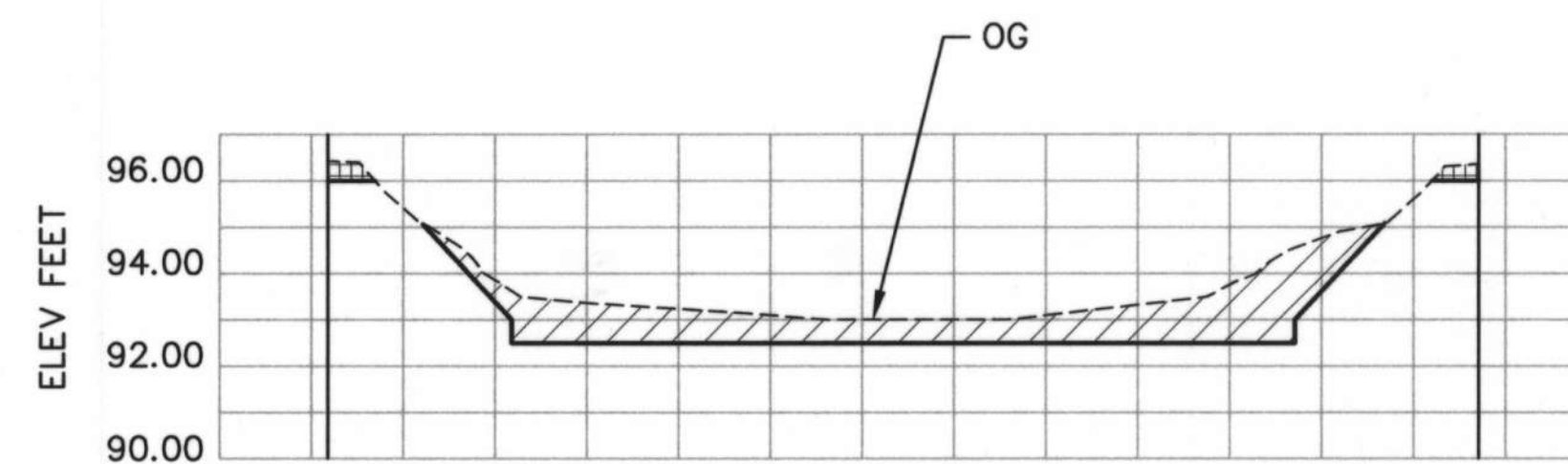
SHEET 21 OF 25

DS4



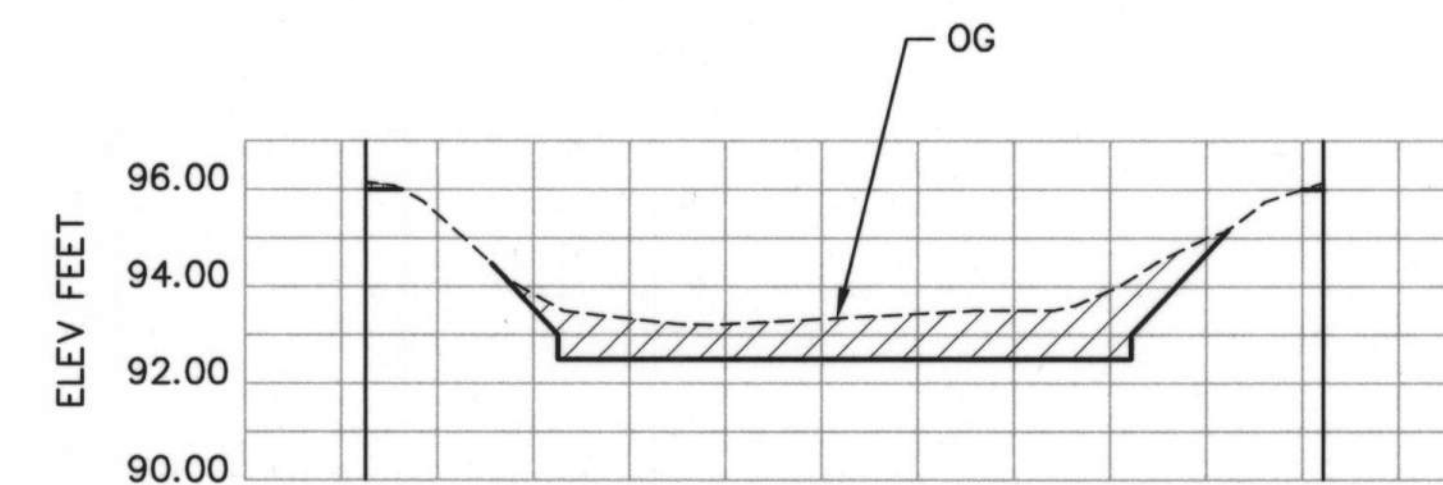
ZONE J - SECTION J3

SCALE: 1" = 20' HORIZ
1" = 4' VERT



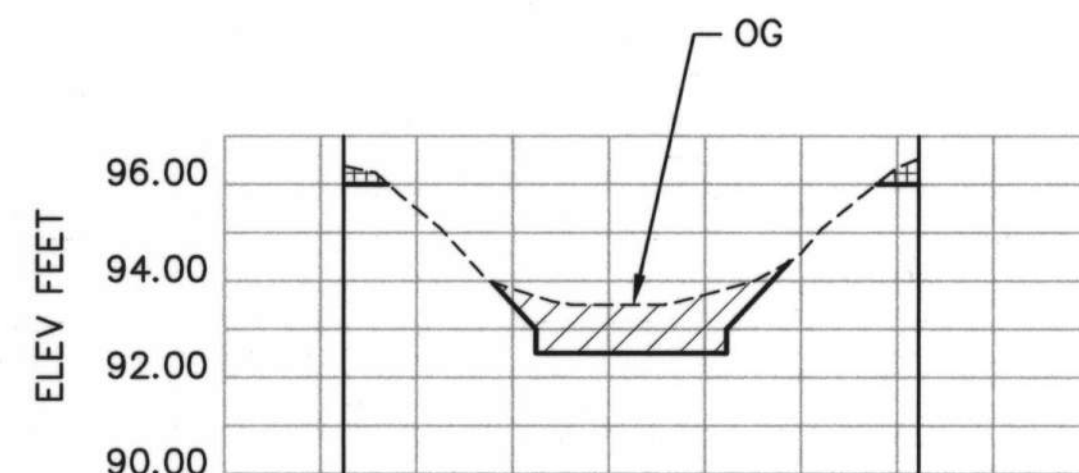
ZONE N - SECTION N1

SCALE: 1" = 20' HORIZ
1" = 4' VERT



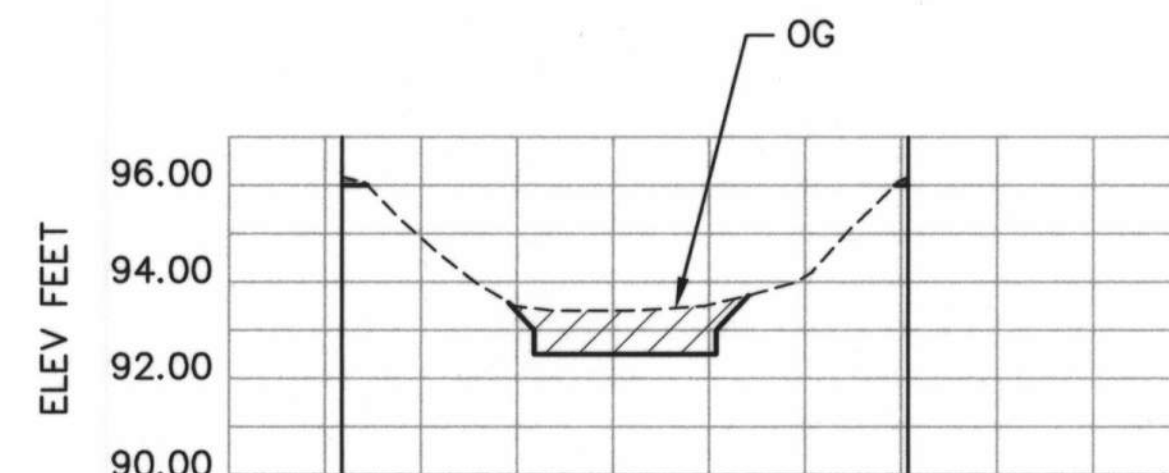
ZONE Q - SECTION Q1

SCALE: 1" = 20' HORIZ
1" = 4' VERT



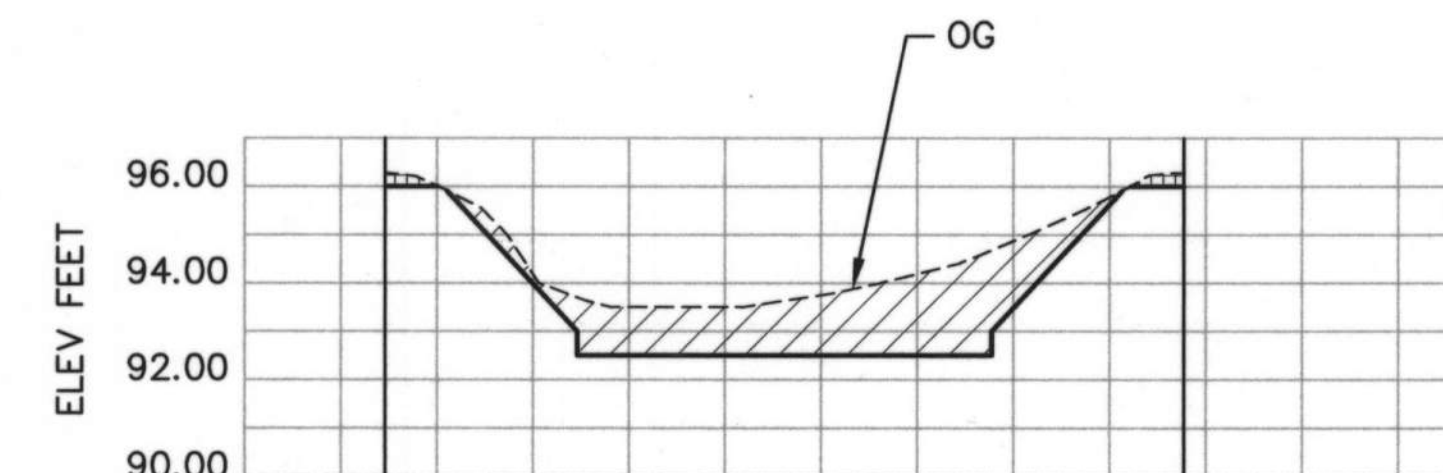
ZONE K - SECTION K2

SCALE: 1" = 20' HORIZ
1" = 4' VERT



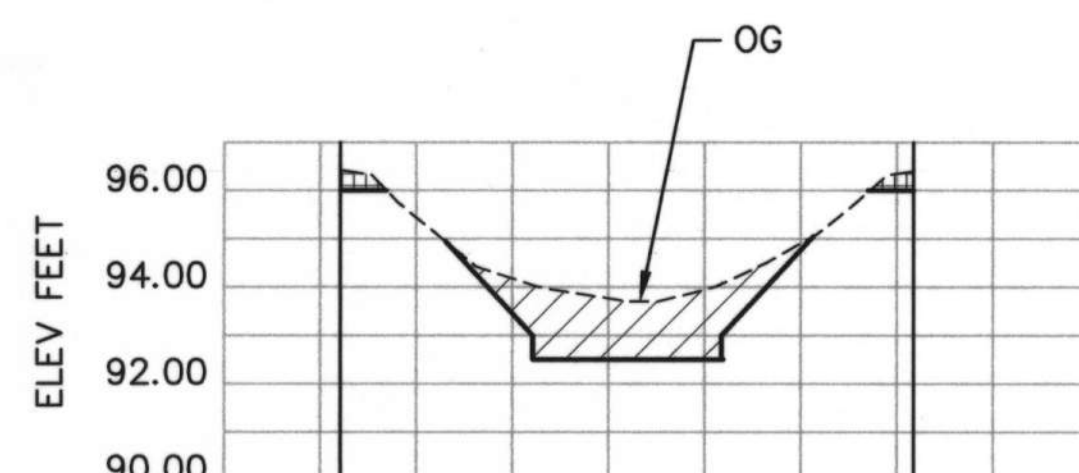
ZONE N - SECTION N3

SCALE: 1" = 20' HORIZ
1" = 4' VERT



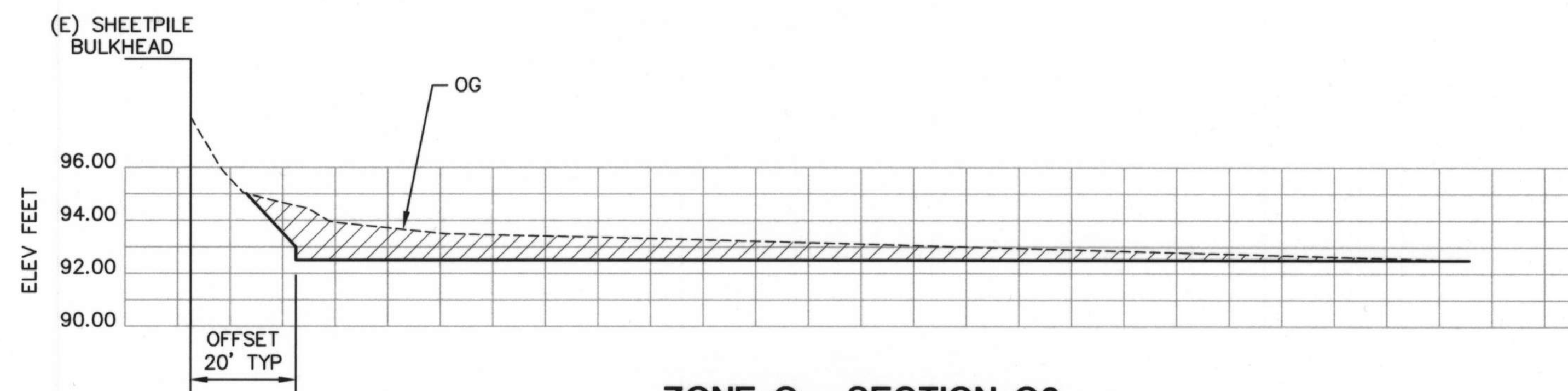
ZONE R - SECTION R2

SCALE: 1" = 20' HORIZ
1" = 4' VERT



ZONE L - SECTION L2

SCALE: 1" = 20' HORIZ
1" = 4' VERT



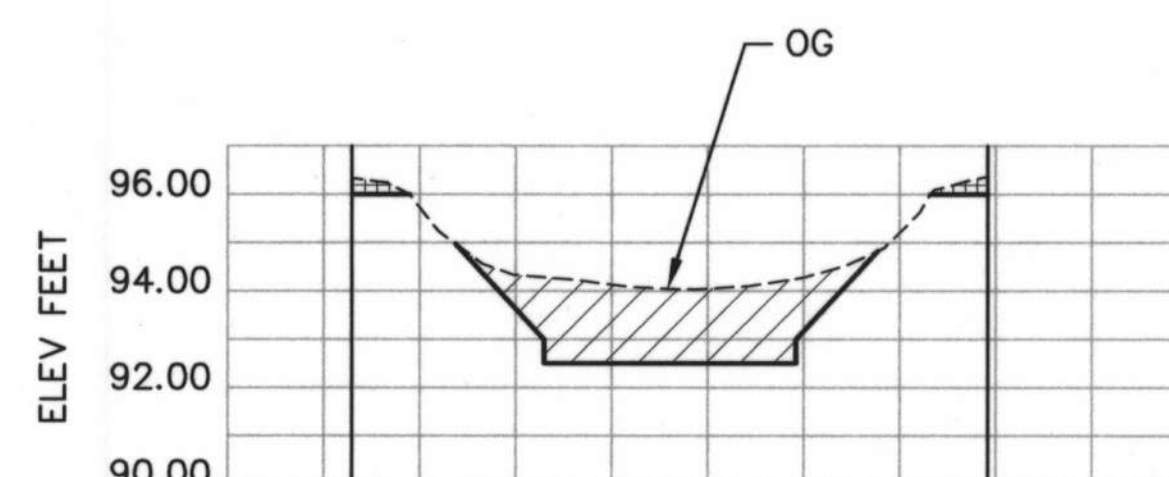
ZONE O - SECTION O2

SCALE: 1" = 20' HORIZ
1" = 4' VERT



ZONE M - SECTION M2

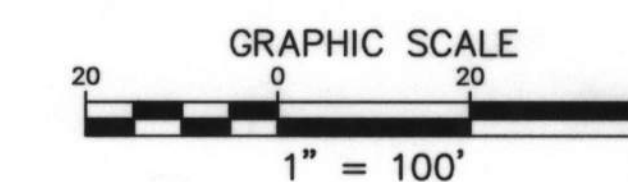
SCALE: 1" = 20' HORIZ
1" = 4' VERT



ZONE P - SECTION P2

SCALE: 1" = 20' HORIZ
1" = 4' VERT

NOTE:
SEE SHEET DS4 FOR NOTES.



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FOSTER CITY
LAGOON DREDGING PROJECT

SECTIONS ZONE J TO R

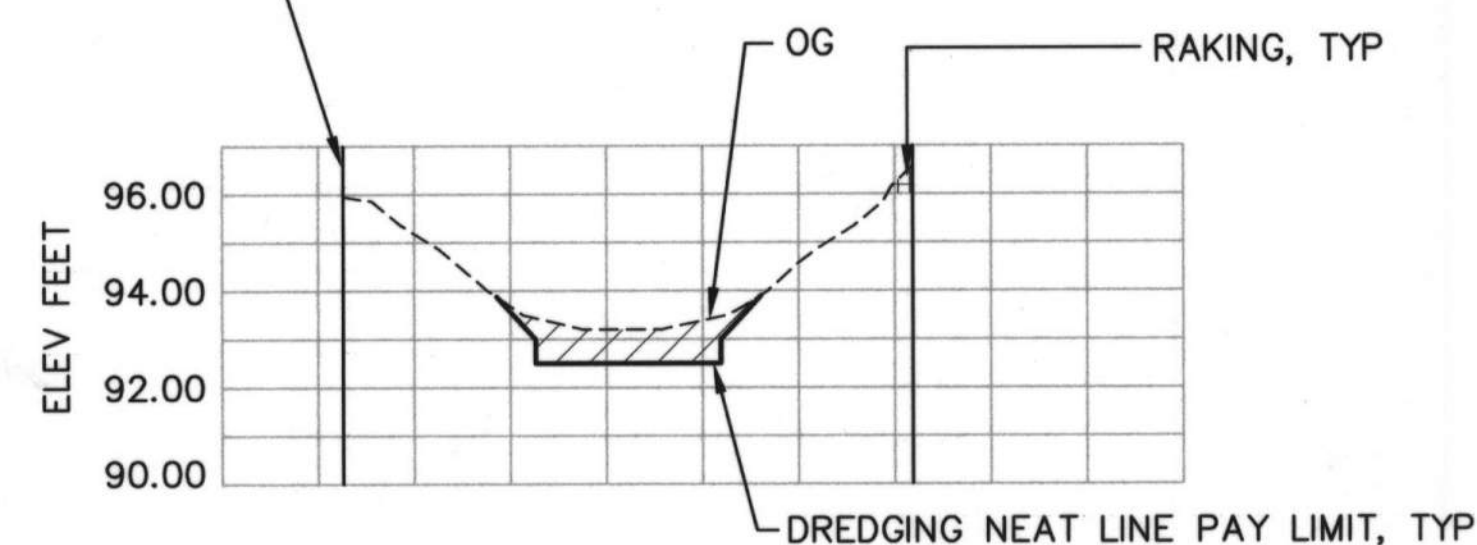
SCALE AS SHOWN
DATE 7-12-02

JOB NO.
4824

SHEET 22 OF 25

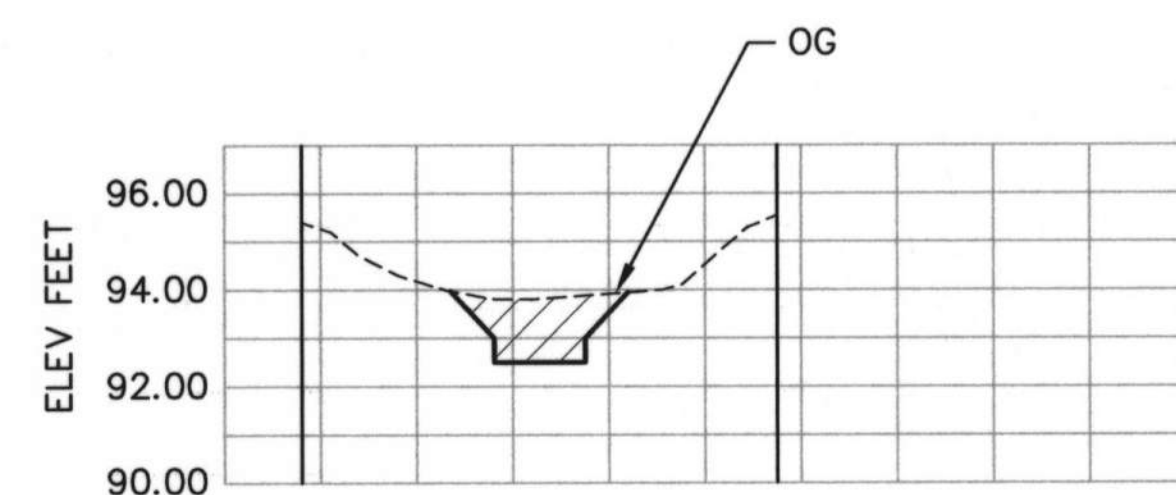
DS5

(E) BULKHEAD TYP
UNLESS NOTED OTHERWISE



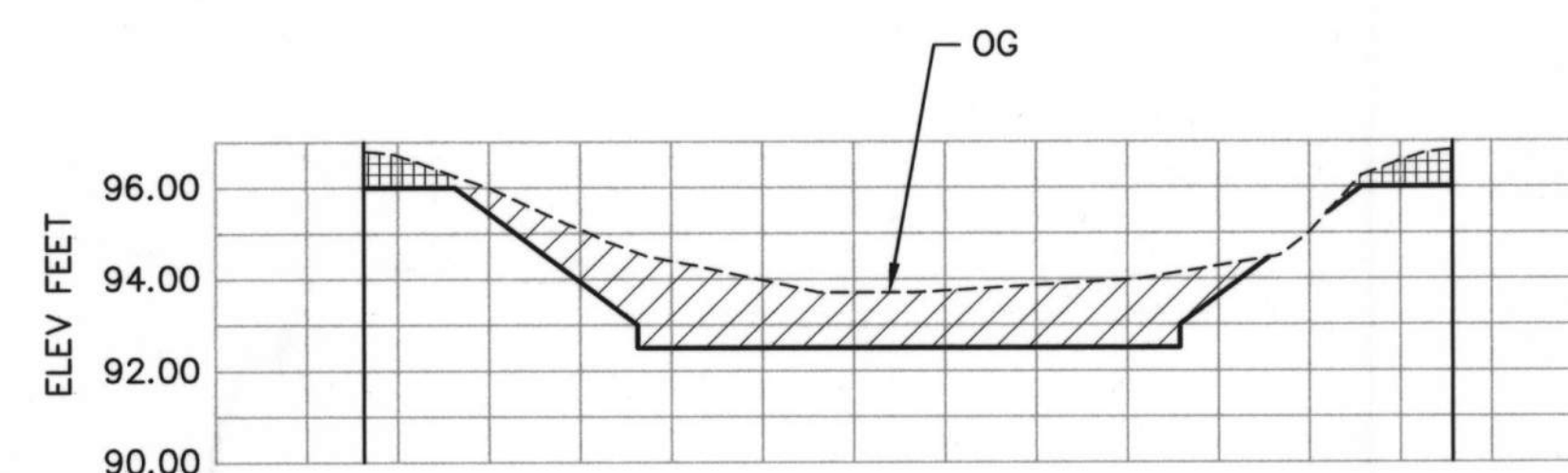
ZONE S - SECTION S3

SCALE: 1" = 20' HORIZ
1" = 4' VERT



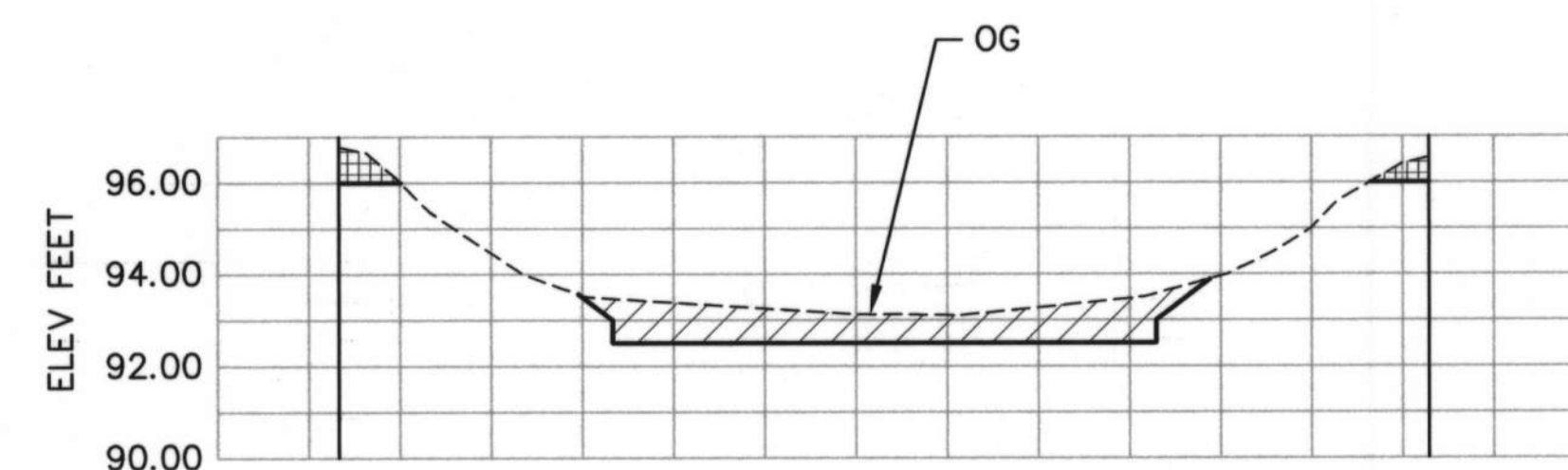
ZONE T - SECTION T3

SCALE: 1" = 20' HORIZ
1" = 4' VERT



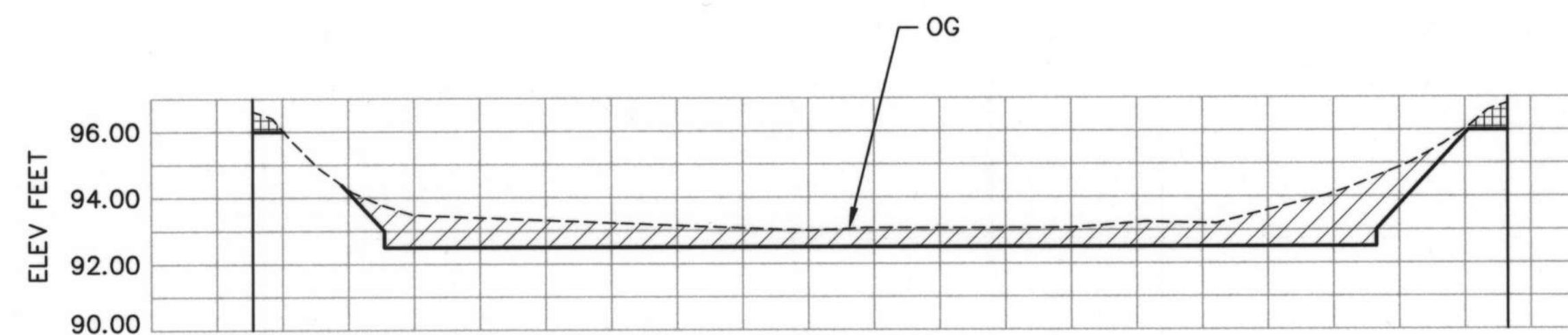
ZONE U - SECTION U2

SCALE: 1" = 20' HORIZ
1" = 4' VERT



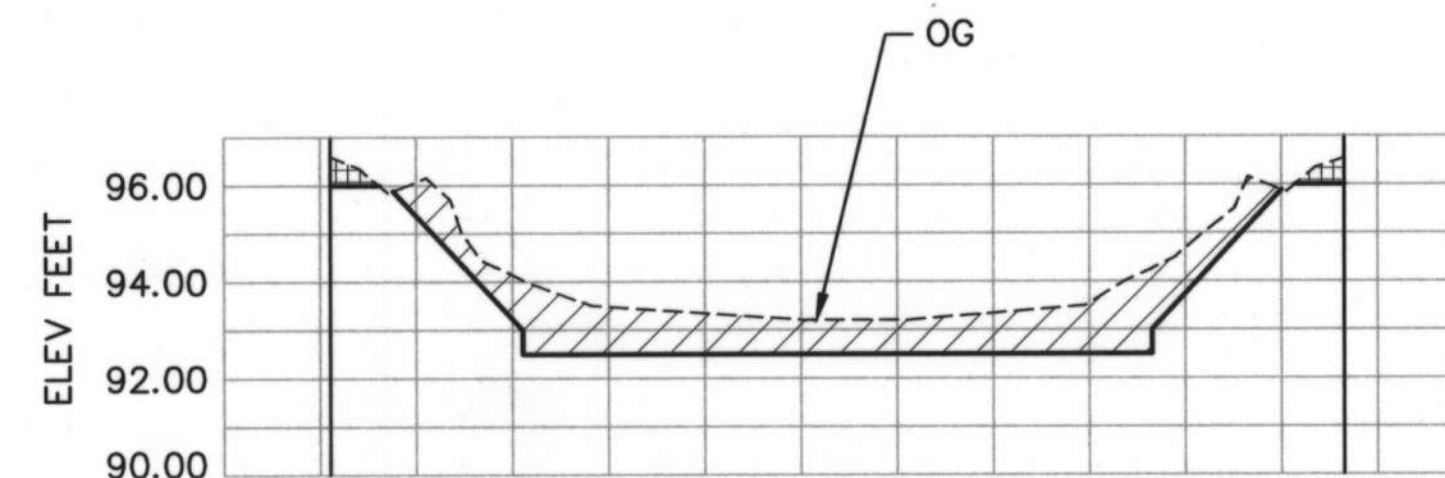
ZONE V - SECTION V2

SCALE: 1" = 20' HORIZ
1" = 4' VERT



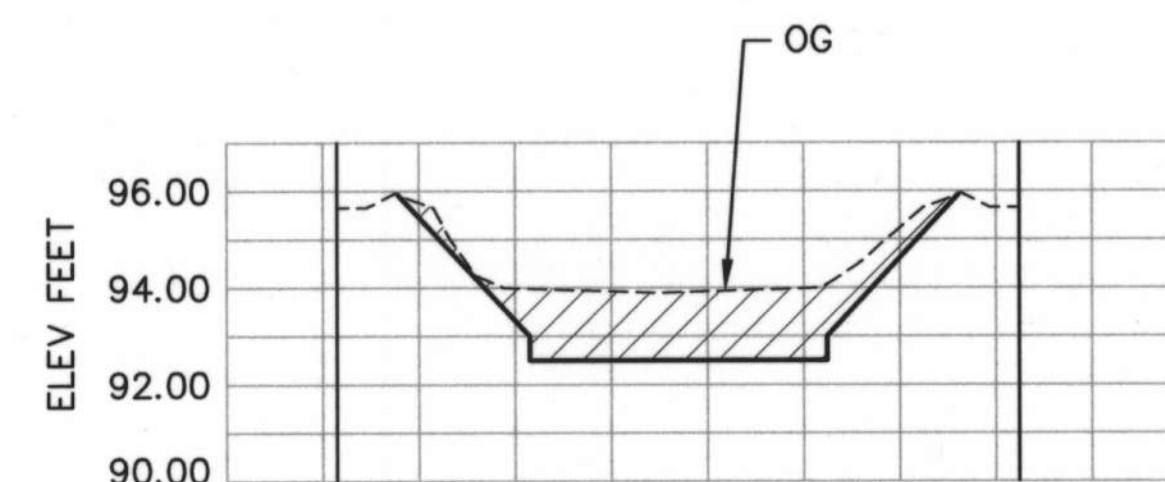
ZONE W - SECTION W2

SCALE: 1" = 20' HORIZ
1" = 4' VERT



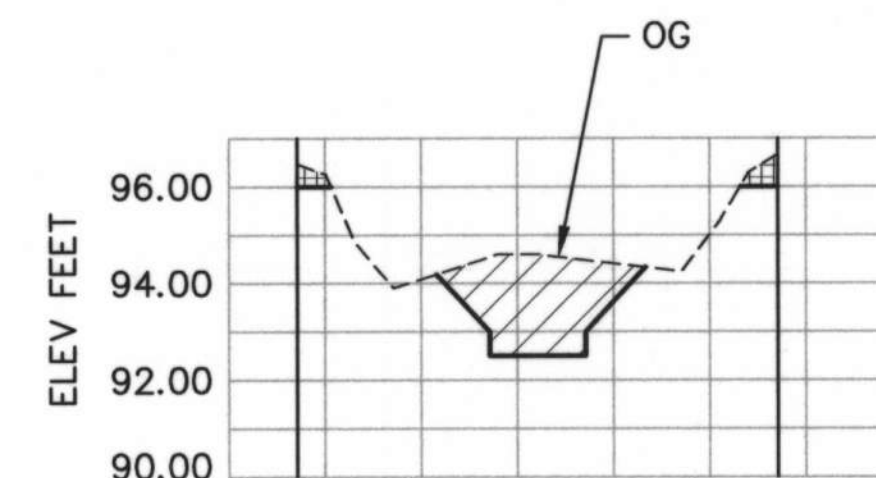
ZONE W - SECTION W4

SCALE: 1" = 20' HORIZ
1" = 4' VERT



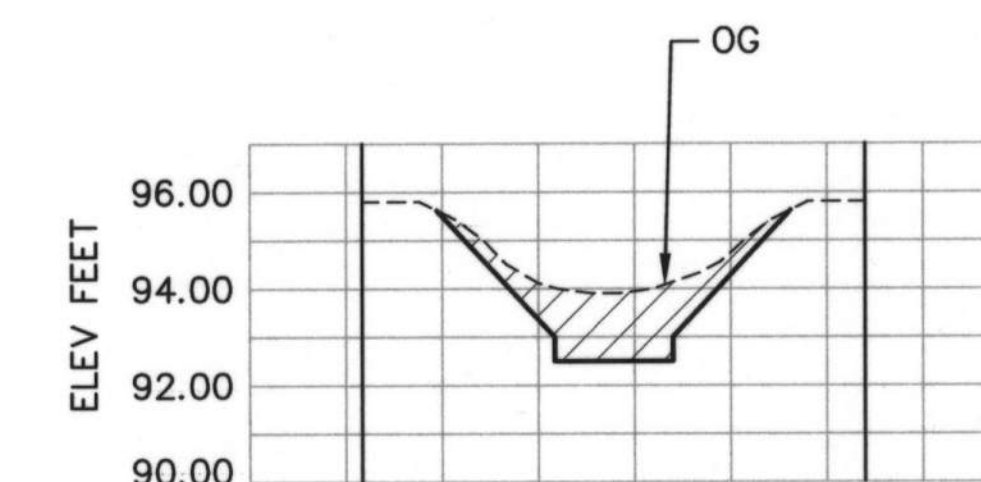
ZONE X - SECTION X4

SCALE: 1" = 20' HORIZ
1" = 4' VERT



ZONE Y - SECTION Y2

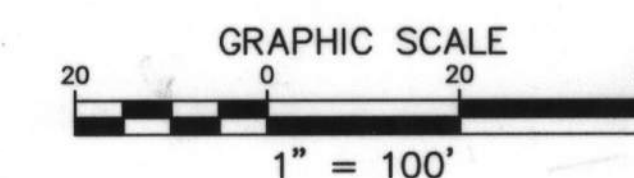
SCALE: 1" = 20' HORIZ
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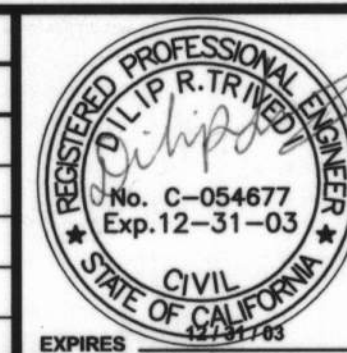
ZONE Z - SECTION Z2

SCALE: 1" = 20' HORIZ
1" = 4' VERT

NOTE:
SEE SHEET DS4 FOR NOTES.



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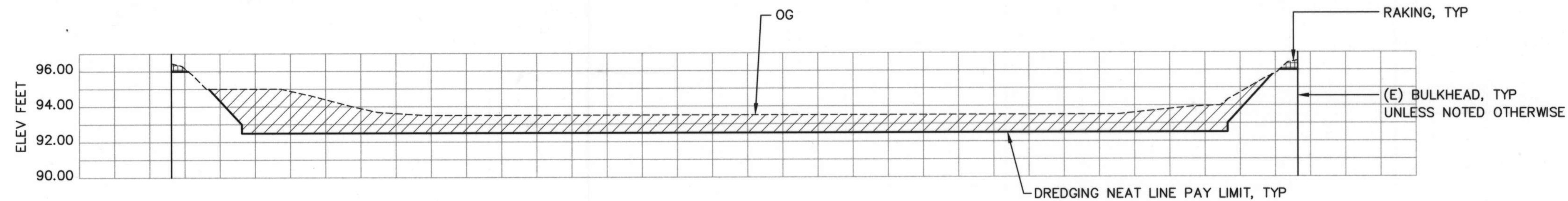
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ENGINEERS
WALNUT CREEK, CALIFORNIA

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IN CHARGE: DRT

FOSTER CITY
LAGOON DREDGING PROJECT

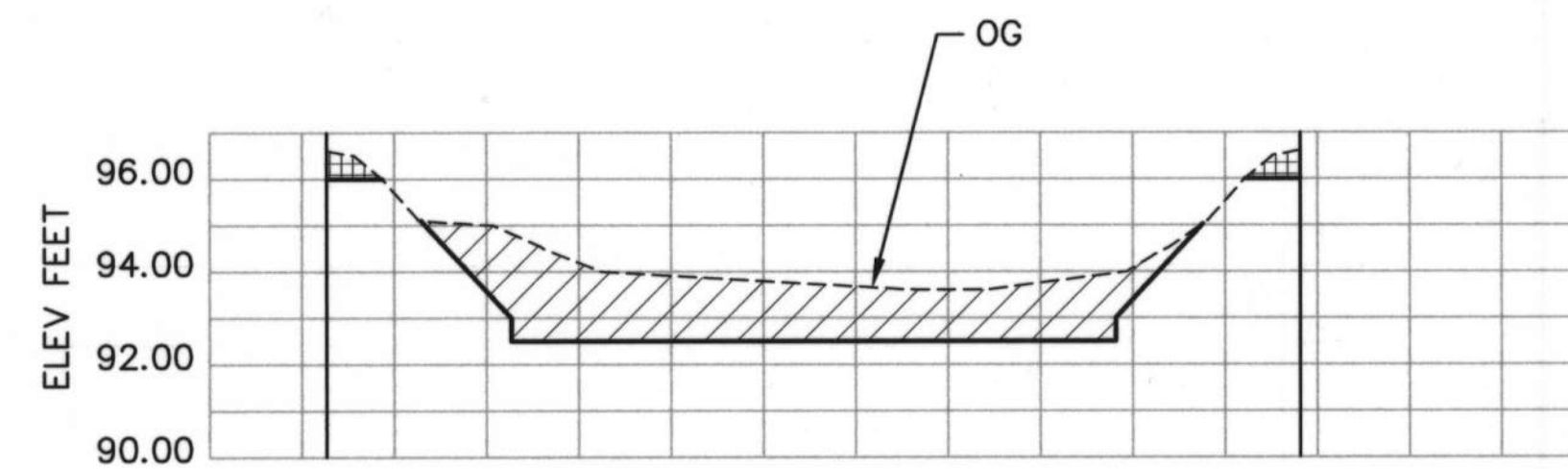
SECTIONS ZONE S TO Z

SCALE AS SHOWN	DATE 7-12-02
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SHEET 23	OF 25
DS6	



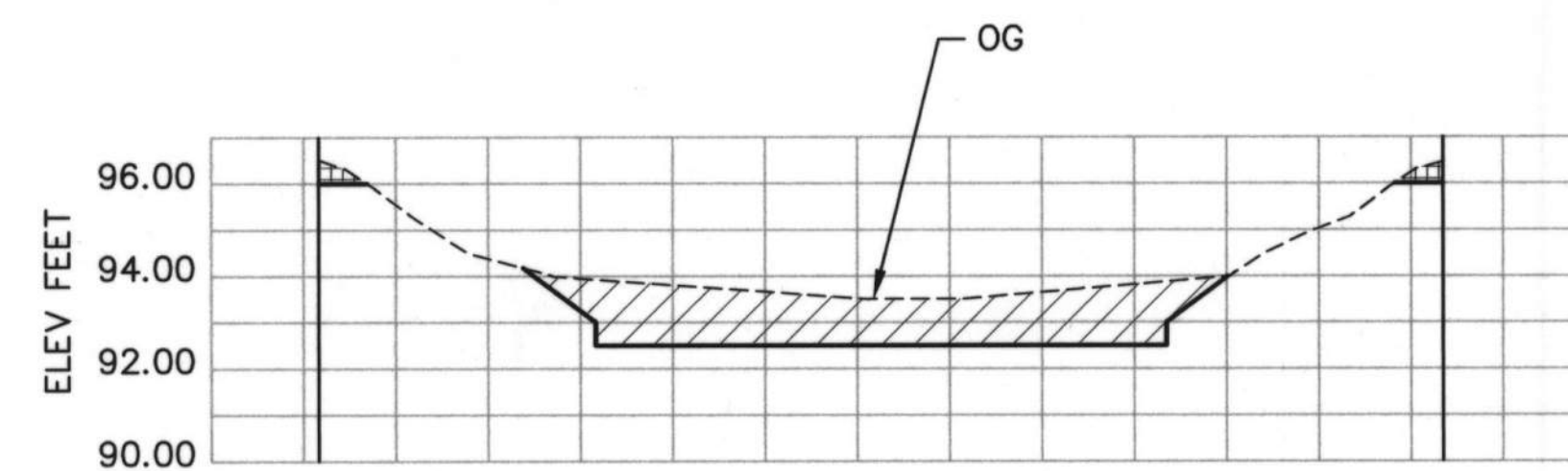
ZONE AA - SECTION AA1

SCALE: 1" = 20' HORIZ
1" = 4' VERT



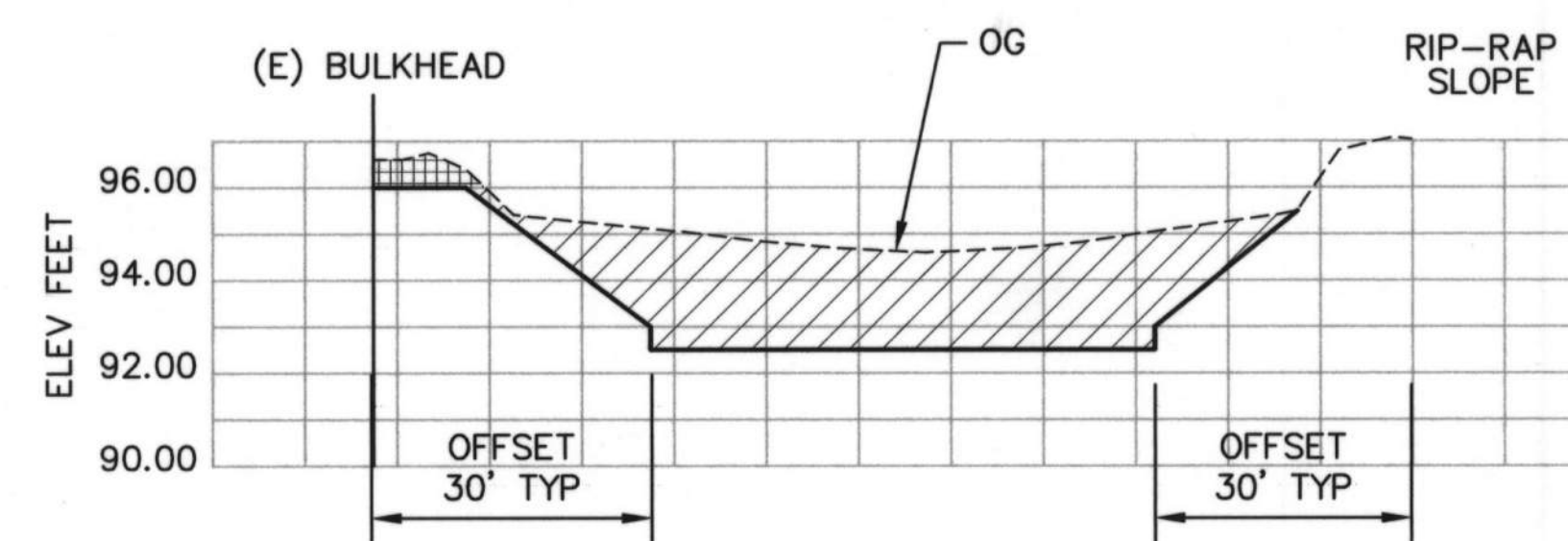
ZONE AA - SECTION AA2

SCALE: 1" = 20' HORIZ
1" = 4' VERT



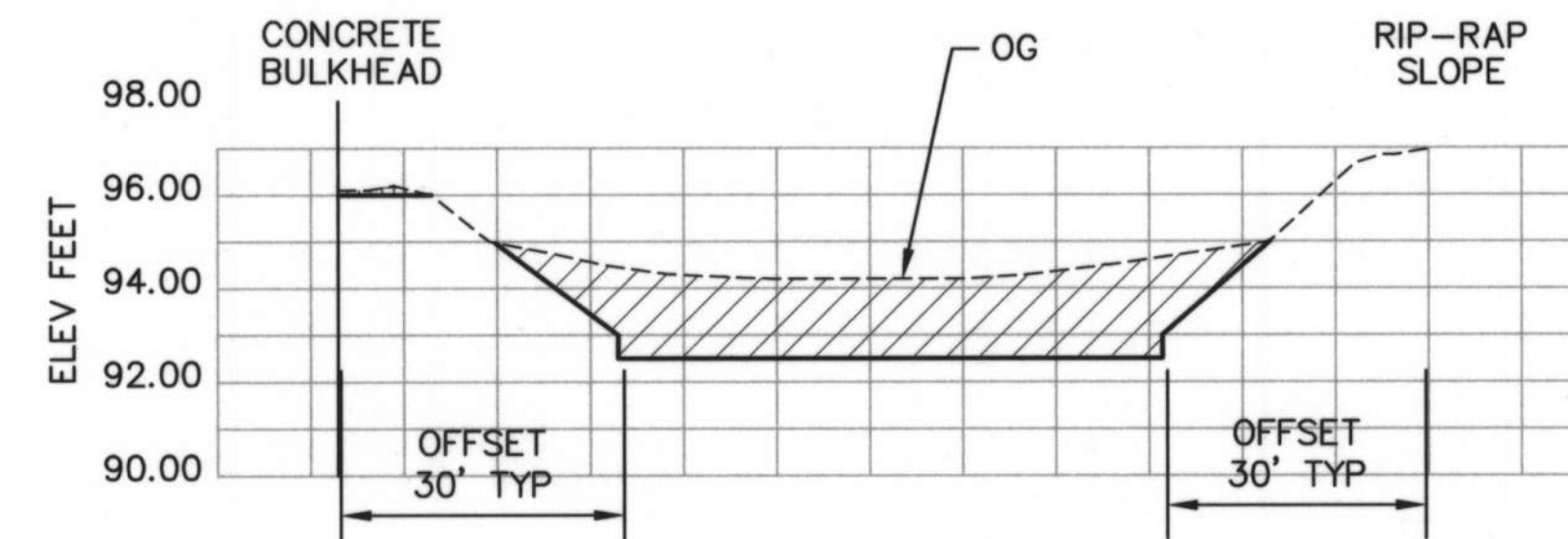
ZONE BB - SECTION BB2

SCALE: 1" = 20' HORIZ
1" = 4' VERT



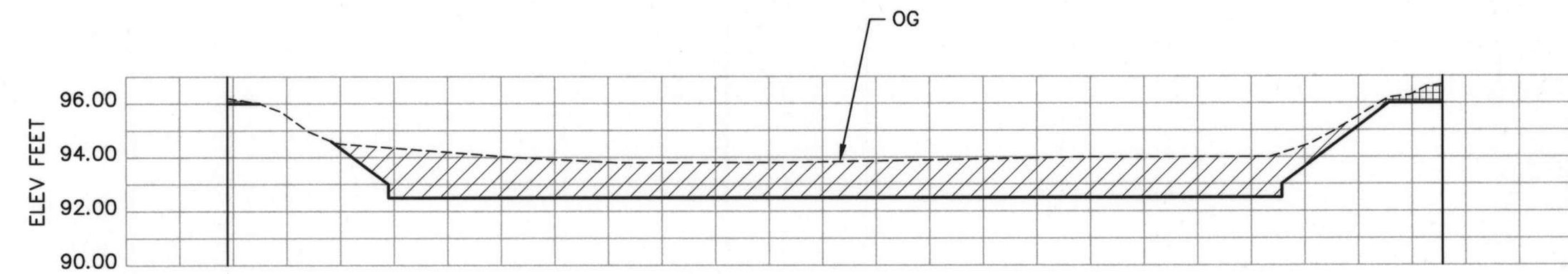
ZONE CC - SECTION CC1

SCALE: 1" = 20' HORIZ
1" = 4' VERT



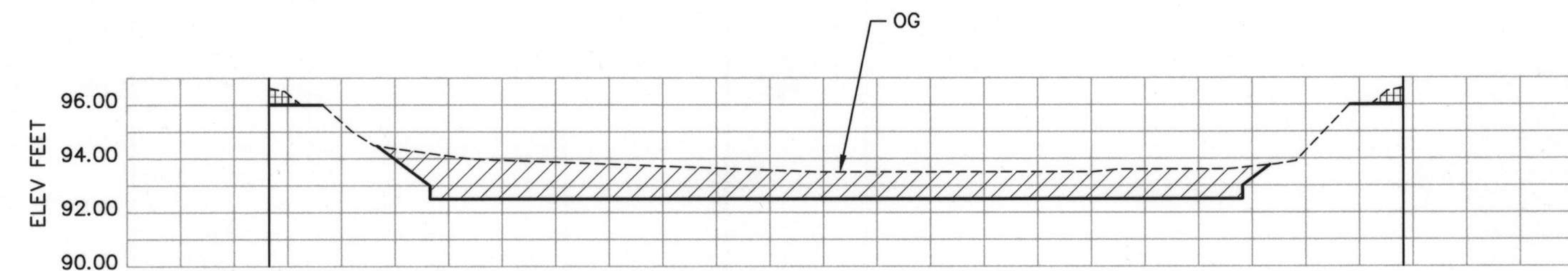
ZONE CC - SECTION CC2

SCALE: 1" = 20' HORIZ
1" = 4' VERT



ZONE CC - SECTION CC5

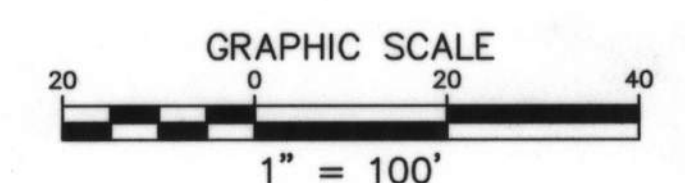
SCALE: 1" = 20' HORIZ
1" = 4' VERT


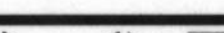


ZONE CC - SECTION CC8

SCALE: 1" = 20' HORIZ
1" = 4' VERT

NOTE:
SEE SHEET DS4 FOR NOTES.



REVISIONS					 MOFFATT & NICHOL ENGINEERS		FOSTER CITY LAGOON DREDGING PROJECT		SCALE AS SHOWN	DATE 7-12-02
NO.	DESCRIPTION	BY	DATE		WALNUT CREEK, CALIFORNIA		SECTIONS ZONE AA TO CC		JOB NO. 4824	
					DESIGNED BY: JAF	CHECKED BY: DRT			SHEET 24 OF 25	
					DRAWN BY: AB	IN CHARGE: DRT	DS7			

SIGNED RAKING AGREEMENTS	
ZONE	ADDRESS
B	274 SURFBIRD
C	116 FLYING CLOUD ISLE 148 FLYING CLOUD ISLE 683 MATSONIA DRIVE
D	
E	172 FLYING CLOUD ISLE 727 MATSONIA DRIVE
F	910 FLYING FISH STREET 914 FLYING FISH STREET 940 FLYING FISH STREET 260 SHEARWATER ISLE
G	

SIGNED RAKING AGREEMENTS	
ZONE	ADDRESS
H	142 FLYING MIST ISLE 775 LURLINE DRIVE
I	348 DOLPHIN ISLE 364 DOLPHIN ISLE 1000 FLYING FISH STREET 1040 FLYING FISH STREET 1048 FLYING FISH STREET
J	
K	
L	
M	370 SAILFISH ISLE 361 BOWFIN STREET

SIGNED RAKING AGREEMENTS	
ZONE	ADDRESS
N	345 BOWFIN STREET 314 SAILFISH ISLE 322 SAILFISH ISLE 330 SAILFISH ISLE
P	
U	
V	
W	606 BRIDGEPORT LANE 601 PLYMOUTH LANE 602 MYSTIC LANE 604 MYSTIC LANE 607 MYSTIC LANE 608 MYSTIC LANE 614 MYSTIC LANE 1164 DOVER LANE 1172 DOVER LANE 1186 ESSEX LANE 1188 ESSEX LANE 1190 ESSEX LANE 1192 ESSEX LANE 600 GREENWICH LANE 602 GREENWICH LANE 608 GREENWICH LANE 610 GREENWICH LANE 616 GREENWICH LANE 618 GREENWICH LANE 634 GREENWICH LANE 637 GREENWICH LANE 638 GREENWICH LANE 644 GREENWICH LANE 652 GREENWICH LANE
X	620 PORTSMOUTH LANE

SIGNED RAKING AGREEMENTS	
ZONE	ADDRESS
Y	609 PORTSMOUTH LANE 611 PORTSMOUTH LANE 613 PORTSMOUTH LANE 621 PORTSMOUTH LANE 604 WATERBURY LANE 614 WATERBURY LANE 616 WATERBURY LANE 618 WATERBURY LANE 620 WATERBURY LANE
Z	620 GLOUCESTER LANE
AA	617 GLOUCESTER LANE 615 GLOUCESTER LANE 611 GLOUCESTER LANE 609 GLOUCESTER LANE 607 GLOUCESTER LANE 603 GLOUCESTER LANE 601 GLOUCESTER LANE 700-722 ZUMWALT LANE 602 SAN CLEMENTE 1169-1183 NIMITZ LANE
BB	801 GRENADA LANE
CC	1105-1167 NIMITZ LANE 1113-1123 LORD NELSON 825 GRENADA LANE 833 GRENADA LANE 839 GRENADA LANE 908 ARUBA LANE 910 ARUBA LANE 924 ARUBA LANE GALLEY - RUDDER LANES
CONDOMINIUM COMPLEX	

RAKING OF CULVERTS AND STORM DRAINS		
ZONE	NUMBER	DESCRIPTION
B	1	STORM DRAIN
B	1	CULVERT
C	2	STORM DRAIN
C	1	CULVERT
D	3	STORM DRAIN
D	1	CULVERT
E	3	STORM DRAIN
E	1	CULVERT
F	3	STORM DRAIN
F	1	CULVERT
G	2	STORM DRAIN
G	1	CULVERT
H	2	STORM DRAIN
H	1	CULVERT
I	2	STORM DRAIN
I	1	CULVERT
J	2	STORM DRAIN
J	1	CULVERT
K	2	STORM DRAIN
K	1	CULVERT
L	3	STORM DRAIN
L	1	CULVERT
M	3	STORM DRAIN
M	1	CULVERT
N	2	STORM DRAIN
N	1	CULVERT
O	1	STORM DRAIN
Q	4	STORM DRAIN
Q	1	CULVERT
R	4	STORM DRAIN
R	1	CULVERT
S	7	STORM DRAIN
S	1	CULVERT
T	3	STORM DRAIN
U	8	STORM DRAIN
U	1	CULVERT
V	5	STORM DRAIN
V	1	CULVERT
W	7	STORM DRAIN
W	1	CULVERT
X	2	STORM DRAIN
Y	1	STORM DRAIN
Z	2	STORM DRAIN
AA	1	STORM DRAIN
AA	1	CULVERT
BB	1	STORM DRAIN
BB	1	CULVERT
CC	10	STORM DRAIN
CC	1	CULVERT

NOTES:

- SEE SHEET G2 FOR LEGEND.
- SEE SHEETS D1 THROUGH D10 FOR LOCATIONS OF BENCHES, STORM DRAINS AND CULVERTS THAT REQUIRE RAKING.
- SEE SHEETS DS1 AND DS2 FOR TYPICAL SECTIONS.

REVISIONS			
NO.	DESCRIPTION	BY	DATE

REGISTERED PROFESSIONAL ENGINEER
CLIP R. TRINIDAD
No. C-054677
Exp. 12-31-03
CIVIL
STATE OF CALIFORNIA
EXPIRES 12/31/03

MOFFATT & NICHOL ENGINEERS	
WALNUT CREEK, CALIFORNIA	
DESIGNED BY: JAF	CHECKED BY: DRT
DRAWN BY:	IN CHARGE: DRT

FOSTER CITY LAGOON DREDGING PROJECT		SCALE AS SHOWN	DATE 7-12-02
LOCATIONS OF AREAS TO BE RAKED		JOB NO. 4824	
		SHEET 25 OF 25	
		DS8	