

MEMORANDUM

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TO: Commissioners and  
Interested Persons

DATE: January 9, 1996

FROM: Staff

FILE NO: F9559/6-86-651-A10

SUBJECT: Annual Report - Relocation of Sludge Facilities

Attached is the City of San Diego's annual report regarding its efforts to relocate the existing sludge processing facilities from Fiesta Island. The report is required by a condition of Coastal Development Permit #F9559/6-86-651 (as amended), which permitted an expansion of the sludge beds on January 23, 1981.

The report summarizes the City's current sludge program, including long-range planning for sludge processing as part of the overall activities of the Metropolitan Wastewater Department (MWD). Until late 1992, the MWD's chosen alternative, as mandated in a consent decree with the EPA and the Regional Water Quality Control Board, included the upgrading of the Point Loma Wastewater Treatment Plant (PLWTP) to secondary standards, the construction of a new secondary plant in the South Bay area, construction of seven water reclamation facilities, new outfalls and extension of the existing outfall at the PLWTP, and construction of new sludge processing facilities in both North and South County. However, in September of 1992, the City Council recommended a revised facilities program, known as the "Consumer's Alternative." This significantly reduced the number of new facilities and retained the Point Loma Wastewater Treatment Plant at the advanced primary level. The United States District Court in August, 1994, accepted the alternate plan, after an unsuccessful appeal by the EPA; any remaining enforcement issues were to be addressed separately. Furthermore, on October 31, 1994, the Ocean Pollution Reduction Act was signed into law; the City applied for a waiver from secondary treatment requirements under that law in April, 1995, and was granted the waiver on November 9, 1995.

Based on decisions reached during 1991, the City's Waste Management Department prepared a General Development Plan (GDP) for the siting of new facilities at Miramar NAS. These would include solid waste disposal, in addition to sludge processing. A Record of Decision on both the programmatic EIR/EIS for the GDP and a site-specific EIR/EIS for the Metro Biosolids Center (formerly called the Fiesta Island Replacement Project/Northern Sludge Processing Facility) was signed by the Navy on September 30, 1994. The City Council certified the environmental documents in December, 1994, and approved the first construction contract at that time. Construction on the replacement facilities began in December, 1994, and is maintaining a schedule which will meet the projected completion date for the sludge-processing plant at Miramar of July, 1997.

Three other related projects must be completed before the existing sludge facilities on Fiesta Island can be abandoned and the area restored. These

include the Point Loma Sludge Pump Station, the North City Raw Sludge and Water Pipeline and the Fiesta Island Replacement Project Phase II Sludge Pipeline. Construction of the first two items is currently underway, and the third component will begin construction in the spring of 1996. Full restoration of the Fiesta Island site is not expected to occur until December, 1998, when all these components are fully operational.

During 1992 and 1993, the Commission granted permits for mechanical dewatering equipment at Fiesta Island. When the Commission authorized the first permit in 1992 (#6-92-75-G), it expected that the use of mechanical equipment would reduce the number of air-drying beds required on Fiesta Island and allow some restoration activities to begin. In conjunction with the second permit (#6-93-143-G) which authorized seven additional belt filter presses, and by action of the City Council, six previously-existing drying beds were vacated in the spring of 1994; restoration of that portion of the sludge facility was completed on June 21, 1995, when the Park and Recreation Department formally accepted the forty-acre land transfer. The current annual report indicates that mechanical dewatering continues to be successful, and the City is planning to return an additional eighteen acres of existing sludge facilities to the Park and Recreation Department in December, 1996. The remaining acreage will need to be retained for sludge operations until December, 1998.

In 1995, the City was granted an additional one-year extension of time for removal of the sludge beds. Also in 1995, the Commission approved an amendment to incorporate a reduction in the mitigation penalty fee from \$2,000,000 to \$1,500,000 annually, based on the significant progress towards relocation demonstrated in 1994. The cover letter attached to the current annual report requests that the fee be discontinued altogether at this time, since the City is maintaining its construction schedules and has demonstrated "significant, tangible, irreversible progress." However, since the penalty is a condition of the amendment for Coastal Development Permit #6-86-651-A10, and the annual report is not an action item for the Coastal Commission, the request for the penalty's removal must be made in conjunction with the upcoming amendment request for an additional extension of time. An application for said amendment request has recently been submitted, and the item is scheduled for Commission consideration on this same agenda.

There are a number of attachments/exhibits to the annual report, demonstrating the status of various project components necessary to effect the removal of the sludge facilities from Fiesta Island in Mission Bay Park. Also attached to the annual report is a March, 1995 accounting of sludge mitigation projects. A more current listing is included with the staff recommendation for the Fiscal Year 1997 work program, immediately following on this Commission agenda.



THE CITY OF

# SAN DIEGO

METROPOLITAN WASTEWATER DEPARTMENT

660 B STREET, SUITE 500 • SAN DIEGO, CALIFORNIA 92101 • 4587

PHONE (619) 534-4200 • FAX (619) 534-4267

December 20, 1995

In reply, please refer to  
Chronological Number:

CWP- 145518

RECEIVED

CALIFORNIA  
COASTAL COMMISSION  
SAN DIEGO COAST DISTRICT

Mr. Chuck Damm, District Director  
California Coastal Commission  
State of California  
3111 Camino del Rio North, Suite 200  
San Diego, CA 92108

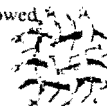
SUBJECT: Metro Biosolids Center (formerly the Fiesta Island Replacement Project Northern Sludge Processing Facility) Annual Report per Permit No. 6-86-651-A9, amended March 8, 1995.

Dear Mr. Damm:

The City of San Diego is happy to report strong, steady progress on all projects related to the relocation of sludge processing facilities from Fiesta Island. After reporting to you at the end of 1994 on the successful completion of design, environmental review, and permitting, I am pleased to report that during 1995 we have tackled construction of the Metro Biosolids Center with unparalleled vigor. This year the City Council approved over \$159 million dollars worth of construction contracts. The initial site preparation involved moving over 895,000 cubic yards of earth, enough to fill Jack Murphy Stadium. Since then over 9,200 cubic yards of concrete have been poured, enough to cover a football field 5.5 feet deep, and currently over 100 workers are on the site daily. The facility that will replace the one operating at Fiesta Island since 1963 is finally coming up out of the ground! I hope that you and your staff can join me for a tour of the site in January so that you can see for yourselves the enormous progress that has been made.

While construction has been proceeding on the new facilities we have also worked to improve the operations at Fiesta Island. During 1995 we were able to return forty acres of land to the Park and Recreation Department for park use. An additional 18 acres will be returned in 1996 and the remainder in 1998.

The extraordinary accomplishments of the Metropolitan Wastewater Department on these projects in recent years has been a source of pride for our employees and was recognized last year by the Commission with the reduction of the annual mitigation fee from \$2 million to \$1.5 million. I am requesting again this year that in light of the significant, tangible, irreversible progress made in 1995, the Coastal Commission consider eliminating the mitigation fee requirement. The mitigation fee was established because the Commission felt in the past that progress was not being made quickly enough. We appreciate the fact that it was reduced in 1995, and respectfully request that it be eliminated in 1996. Should the City somehow allow the schedule to slip or if the Commission determines that the progress it has directed is not being properly followed, reinstatement of the fee or other enforcement is always an option.



DIVERSITY

Item 10.a.

145518

Mr. Chuck Damm, District Director  
California Coastal Commission  
State of California  
December 20, 1995  
Page 2 of 2

The enclosed annual report of the City's progress to relocate the sludge processing operations from Fiesta Island provides a summary of our progress during the last year. We look forward to making a presentation to the Coastal Commission on this project during the first quarter of 1996.

Should you have any questions about the attached report, please contact Associate Civil Engineer Bill Pearce of my staff at 533-5213.

Sincerely,

*F.D. Schlesinger*  
F.D. SCHLESINGER  
Director

FDS WRP:oc  
(K:\WRP\ANNUAL 95)

Enclosure: Annual Report

cc: Deborah Lee, California Coastal Commission (w/encl.)  
Ellen Lirley, California Coastal Commission (w/encl.)  
William Pearce, Metropolitan Wastewater Department (w/encl.)

Item 10.a.

## ANNUAL REPORT

## Fiesta Island Relocation Project (F9559)

City of San Diego

December 20, 1995

INTRODUCTION AND CONTENTS

In accordance with Coastal Commission directive, the City of San Diego is diligently pursuing permanent relocation of the Fiesta Island sludge dewatering facility to an area outside of Mission Bay Park. During 1995, the Metropolitan Wastewater Department (MWWDD), has completed the first year of construction at the Metro Biosolids Center (formerly the Fiesta Island Replacement Project/Northern Sludge Processing Facility [FIRP/NSPF]) at Naval Air Station (NAS) Miramar. This 1995 Annual Report provides a summary of those activities and others associated with the removal of sludge processing facilities from Fiesta Island.

This report contains the following sections:

- I. Metropolitan Wastewater Program Progress
  - Background
  - Projects
    - Metro Biosolids Center
    - Point Loma Sludge Pump Station
    - FIRP Phase II Sludge Pipeline
    - North City Raw Sludge & Water Pipeline
- II. Fiesta Island Activities
  - Current Operations
  - Return of 40 Acres to Park and Recreation Department
  - Fiesta Island Demobilization Operation (FIDO)
- III. Sludge Beneficial Use/Disposal
  - Beneficial Use Plan
  - Privatization Projects
  - Off-site Beneficial Use/Disposal
  - Information Exchange
- IV. Sludge Mitigation Fund Projects

## V. Conclusions

- |          |   |
|----------|---|
| Figure 1 | Sludge Processing in Current Metro System |
| Figure 2 | Sludge Processing in Future Metro System  |
| Figure 3 | Site Plan                                 |
| Figure 4 | Location Map                              |
| Figure 5 | Fiesta Island                             |

- |              |  |
|--------------|--|
| Attachment A | Memo to Ellen Lirley "Status Report - Sludge Mitigation Fund Projects," March 10, 1995 |
| Attachment B | Status of Mission Bay Sludge Mitigation Programs September 22, 1995                    |
| Attachment C | Photos of Metro Biosolids Center Construction  |

I. METROPOLITAN WASTEWATER PROGRAM PROGRESSBACKGROUND

The Metropolitan Sewerage System ("Metro") has been providing wastewater treatment for the City of San Diego ("City") and other local agencies since 1963. Its major facilities include the Point Loma Wastewater Treatment Plant (PLWTP) and related ocean outfall, a sludge drying facility on Fiesta Island, and a number of pump stations and connecting interceptors. The City began its most recent efforts to upgrade and expand the sewerage system in 1987. The facilities included in the upgrade will increase the capacity from the current 219 million gallons per day (mgd) to 340 mgd (in 2050), enhance the City's water supply through the use of water reclamation, and comply with all state and federal standards.

On October 31, 1994, President Clinton signed into law the Ocean Pollution Reduction Act, allowing the City to apply for a waiver from secondary treatment requirements. The application for the waiver, submitted in April 1995, included a commitment by the City to implement 45 mgd of water reclamation capacity by 2010 and to reduce the suspended solids discharged into the marine environment. The City must also achieve removal of not less than 58% of the biological oxygen demand (on an annual average) and remove not less than 80% of the total suspended solids (on a monthly average).

On November 9, 1995, the Environmental Protection Agency and the Regional Water Quality Control Board approved the City's application and issued a National Pollutant Discharge Elimination System (NPDES) Permit for advanced primary treatment at the Point Loma Wastewater Treatment Plant. It should be noted that the current Coastal Commission permit for Fiesta Island requires that the City report on its progress towards secondary treatment. The City requests that the permit be amended to delete that part of the annual reporting requirement.

Item 10.a.

Item 10.a.

## PROJECTS

### Metro Biosolids Center \$212.7 million

The digested sludge from the PLWTP currently being dewatered and dried at Fiesta Island will be pumped to centrifuges for mechanical dewatering. New digesters will thicken and digest sludge produced at the NCWRP which will then be dewatered with centrifuges. Sludge from a proposed future Mission Valley Water Reclamation Plant would also be processed at these facilities. See Figures 1 and 2 for schematic diagrams of current and future sludge processing. Figure 3 provides a plan view of the MBC. Privatized cogeneration and biosolids drying facilities will be located at the MBC and are discussed under "Sludge Beneficial Use/Disposal."

As reported in the 1994 Annual Report, after over three years of effort by the City, the Navy, the U.S. Fish and Wildlife Service, and many other organizations, all design, environmental and permitting requirements for this project were met and construction was started in December 1994. The design drawings numbered about 5,500 compared with approximately 52,000 for all other projects combined undertaken by the City in 1994. Almost 30 permits have been secured for the four projects that comprise the overall system, and another six will be required before completion.

Since this time last year over 895,000 yards of soil have been moved, 9,200 yards of concrete have been poured, and over 1.3 million lbs. of reinforcing steel have been placed. The excavation to date is the equivalent of that needed to fill Jack Murphy stadium. The concrete poured to date is the equivalent of a football field 5.5 feet deep. In addition, 1,300,000 pounds of reinforcing steel have been placed to date. The substantial progress this past year is shown in the attached photographs.

After twelve months of construction the project remains on the ambitious schedule reported last year, with construction completion by July 1997 of the facilities necessary to begin relocation off Fiesta Island. The City has resolved a multitude of technical, regulatory, environmental, and real estate issues to maintain this aggressive schedule on such a large and complex project.

The MBC is one of four projects needed to successfully relocate the sludge processing facility at Fiesta Island. A description of the other projects follows (also see Figure #4):

### Point Loma Sludge Pump Station \$42.7 million

Located at the Point Loma Wastewater Treatment Plant (PLWTP), this facility will pump digested sludge that is currently going to Fiesta Island the additional distance to MBC. The facility includes the sludge pump station, a sludge holding tank, a sludge blending tank, an extension of the existing underground pipe gallery, a retaining wall and a 12-inch diameter sludge force main from the pump station to the northern perimeter of the treatment plant where it will connect to an existing pipeline. City Council certified the EIR for the project in January 1995 and authorized a \$12 million construction contract which is under way.

### EIRP Phase II Sludge Pipeline \$30.6 million

This project will convey digested sludge produced at the PLWTP from the Sunset Cliffs Bridge (near Fiesta Island) to MBC. The Phase I pipeline, which was completed in 1992, runs from the treatment plant to Sunset Cliffs Bridge. After significant controversy in the community in 1994 regarding the alignment of the Phase II pipeline, City Council certified the Mitigated Negative Declaration and selected an alignment in January 1995. The final design was completed in December based on the selected alignment. Property acquisition and permits were also completed, and construction is due to begin in Spring 1996. On May 11, 1995, the California Coastal Commission approved application #6-95-40 for construction of the 14-inch diameter sludge pipeline, one subterranean pigging station, three subterranean valve vaults and associated improvements. The project includes a traffic control plan and restoration of all disturbed areas of the bike path/maintenance road in Mission Bay Park.

### North City Raw Sludge and Water Pipeline \$4.8 million

This project consists of numerous pipelines and conduits which connect MBC with the NCWRP. The entire project is estimated to cost \$21.5 million, but only a portion is related to the MBC system. The centrate pipeline included in the North City Raw Sludge and Water Pipelines to convey the waste liquid that results when sludge is thickened and dewatered (called centrate). Design of this project was completed in May and construction commenced in October.

## FIESTA ISLAND ACTIVITIES

### Current Operations

Mechanical dewatering activities continued through calendar year 1995. The remaining sludge beds are being used for subsequent air-drying activities. It remains the City's intent to continue to operate the mechanical sludge dewatering equipment (belt filter presses) at the Fiesta Island Facility until such time as the City is successfully operating the MBC.

Recently MWWD has responded to concerns raised by a bicycling club about the condition of the road on Fiesta Island. Repairs to damaged parts of the road will take place soon with a new slurry seal to give a finishing touch to the road surface. When the Fiesta Island site is abandoned in 1997, the road will be completely restored for recreational users of the island.

### Return of 40 Acres to Park and Recreation Department

On March 3, 1995, the County Department of Environmental Health made a determination that the forty acres of Fiesta Island previously used for air drying of sludge could be returned to the City's Park and Recreation Department for the use described in the Mission Bay Master Plan. The Regional Water Quality Control Board (RWQCB), a clearing authority approved the transfer based on tests run by the Department of Environmental Health. MWWD graded and hydroseeded

the land. On June 21, 1995, the Park and Recreation Department formally accepted the 40-acre transfer.

#### Fiesta Island Demobilization Operation (FIDO)

City staff is developing a comprehensive closure plan for the entire area that has been historically used for sludge processing. This plan will take place in two phases. Phase I will return an additional 18 acres in December 1996, and Phase II will return the remaining acres in December 1998 (see figure #5). The steps followed will be the same as used to return the "40 Acres". 1) Sludge will be removed from the beds; 2) Geotechnical and chemical testing to characterize subsurface conditions will be performed and used as a basis for regulatory approvals; 3) Any equipment, pipe, concrete, etc. will be removed; 4) The beds will be filled in and graded; and 5) The area will be hydro seeded for erosion control.

### III. SLUDGE BENEFICIAL USE/ DISPOSAL

#### Beneficial Use Plan

The "Biosolids Beneficial Use Plan" issued in October 1993 was taken to City Council in the form of a Council Policy on February 27, 1995. The Policy was accepted. It reads as follows:

"It is the policy of the City Council to diversify the beneficial use and disposal of biosolids and allow the award of biosolids hauling and processing contracts to multiple contractors. Such contracts may be awarded to other than the single, lowest cost, responsive bidder.

The Biosolids Beneficial Use Plan prepared in 1993 and any future updates of the plan will be used as the strategic plan that will guide implementation of this policy."

#### Privatization Projects

The City is pursuing two biosolids-related privatization projects, a cogeneration project and a biosolids beneficial use operation. Both projects will be located adjacent to the MBC.

On November 20, 1995, the City awarded a privatization contract to Minnesota Methane and NEO Corp for a cogeneration project to serve the City at the Miramar landfill. The privatization contract calls for NEO to design, construct and operate a landfill gas collection system in the Miramar landfill. The gas will be sold to Minnesota Methane for use in power production. Methane gas, a by-product of the MBC facility, will also be used by Minnesota Methane for power generation. The electricity will be used to supply energy demands at MBC and, potentially, adjacent solid waste facilities. The heat will be used in the mechanical heat drying of biosolids and the warming of anaerobic digester tanks.

Item 10.a.

A second public-private partnership is under way to convert dewatered biosolids into usable products, such as dried pellets, and then market and distribute it. On May 16, 1995, the City Council authorized the start of negotiations with Wheelabrator Clean Water Systems for a drying facility to produce biosolids pellets suitable for use in agriculture.

#### Off-site Beneficial Use/Disposal

The City currently directs 97 percent of its biosolids to agricultural beneficial use sites in Arizona. Approximately half of the biosolids beneficially used are incorporated into the soil after dewatering and supplemental drying on Fiesta Island. The rest of the beneficially used biosolids are injected into the soil. In the injection operation, dewatered biosolids are transported to the site by truck, mixed with water and a more dilute stream of biosolids from Yuma, Arizona, and injected into the soil. Only 3% of the City's biosolids are landfilled. More biosolids can be disposed of in landfills if the beneficial use options are temporarily interrupted due to weather or other conditions beyond the City's control.

#### Information Exchange

The City once again hosted a biosolids symposium in September 1995. Topics ranged from biosolids composting facilities and state composting regulations, to lessons learned about working with biosolids contractors to the status of the City's efforts to establish the new Metro Biosolids Center. MWWWD continues to take an active role with professional and governmental groups dedicated to the beneficial use of biosolids and the efficient processing and disposal of wastewater byproducts.

### IV. SLUDGE MITIGATION FUND PROJECTS

On May 11, 1995 the California Coastal Commission amended Special Condition #2 of Coastal Development Permanent Amendment 6-86-651-A7, which requires a \$2,000,000 annual sludge mitigation fee for continued interim use of Fiesta Island. In recognition of the progress made on the FIRP/NSPF and associated projects in 1994, this fee was reduced to \$1,500,000/year.

Amendment #6-86-651-A7 to permit F9559 Special Condition Number 4 was addressed in our 1993 annual report. The following is an update on these items:

- a. Updates to draft clean-up/restriction plan - 18 acres are scheduled to be returned to recreational uses in December 1996 and the remaining acres in December 1998. (See Figure #5).
- b. Mission Bay Park Master Plan - The Master Plan was approved by the California Coastal Commission on May 11, 1995.

Item 10.a.

CITY OF SAN DIEGO  
MEMORANDUM

- c. Sludge Mitigation Fee Projects - See Attachment a, Memorandum from John Leppert to Ellen Lirley "Status Report - Sludge Mitigation Fund Projects" dated March 10, 1995.
- d. Update on costs and schedule for park improvements to the sludge bed site - The Fiesta Island Improvement Reserve currently maintains a balance of \$5,942,410. (See Attachment B, November 17, 1995, Status of Mission Bay Sludge Mitigation Programs).
- e. Confirmation and status on redesign at Eastgate Mall - The Navy and City Council have approved of the FIRP/NSPF project at NAS Miramar, therefore, the Eastgate Mall site is not needed as an alternative.

V. CONCLUSIONS

During the past year the City has continued to demonstrate extraordinary commitment to the relocation of the sludge drying facilities from Fiesta Island. The City Council has approved over \$159 million in construction contracts for the four projects necessary to implement the new Metro Biosolids Center at NAS Miramar. The City has also maintained the very aggressive completion date of July 1997 committed to in last year's Annual Report. As we proceed with our accelerated construction activities over the next two years, we will keep the Coastal Commission staff updated on our progress.

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Item 10.a.

FILE NO.: coastcom\lir10310.jcl

DATE : March 10, 1995

TO : Ellen Lirley, California Coastal Commission

FROM : John C. Leppert, Assistant to the City Manager

SUBJECT : Status Report - Sludge Mitigation Fund Projects

COMPLETED PROJECTS

Natural Resource Signage -	\$10,000	(Nov.'90)
Bonita Cove Playground Equipment -	\$40,000	(Sept.'91)
Santa Clara Parking Lot Study -	\$10,000	(Jan.'91)
Tecolote Shores Parking Lot Construction -	\$250,000	(July'92)
Sea World Drive Tree Planting Phase I & II -	\$45,000	(Apr.'92)
Fiesta Island Waterline -	\$12,000	(Aug.'92)
Bonita Cove Parking Lots Safety Lighting -	\$100,000	(Dec.'93)
Wildlife Preserve Sidewalk & Platform -	\$90,000	(Apr.'94)
Acquisition of Frost Property for Addition To Wildlife Preserve -	\$1,610,000	(Mar.'93)
S.W. Vacation Isle Parking Lot Safety Lights -	\$22,000	(Apr.'93)
West Mission Bay Drive Walkway Phase I -	\$80,000	(June'93)
Sail Bay Briarfield Cove Bicycle/Walkway Bridge -	\$200,000	(Apr.'94)
Hospitality Point Picnic Shelter -	\$70,000	(June'94)
Tecolote Shores ADA Play Area and Park Improvements -	\$582,000	(June'94)
Sea World Drive Tree Planting Phase III -	\$30,000	(July'94)
Mission Bay Park Master Plan Update -	\$500,000	(Aug.'94)
South Crown Point Walkway -	\$150,000	(Feb.'95)

PROJECTS IN PROCESS OF DEVELOPMENT OR UNDER CONSTRUCTION

Ski Beach Restroom - \$300,000. In bidding process. Construction scheduled to begin in September '95 with completion in early '96.

North Crown Point Access Improvements - \$10,000. Being re-bid with North Ski Beach Picnic Shelter. First bids were over budget.

Vacation Island Playground - \$100,000. Construction to begin in June '95, with completion estimated for September '95.

Stormdrain Education Program - \$100,000. Mission Bay drainage basin public information flyer printed and distributed to over 96,000 households. Posters for distribution to schools, libraries, businesses, and public buildings have been printed and distributed. Informational signage being designed for placement around Mission Bay at locations heavily visited by the public.

Water Quality Testing Program - \$150,000. First phase completed. Phase 11A completed in September '94. Phase 11B underway with completion in Spring of '95.

Item 10.a.

March 10, 1995

West Mission Bay Sidewalk, Phase II - \$105,000. Preliminary design completed. Construction estimated for late Spring '95.

Mariner's Point Picnic Shelter - \$100,000. Location selected. Design completed. Construction estimated for June '95, with completion by September '95.

North Ski Beach Picnic Shelter - \$100,000. Location selected. Design completed. Construction estimated to start in June '95, with completion in September '95.

Bonita Cove Playground ADA Upgrade - \$160,000. Two playgrounds involved. Design completed. Construction estimated to start June of '95, with completion in September '95.

Mission Point Playground Upgrade to ADA Standards - \$80,000. Design completed. Start of construction estimated to begin in June '95, with completion in September of '95.

Fiesta Island Group Camping Sites Improvements - \$35,000. Plan for improvements approved. Improvements underway with completion in Spring of '95.

East Shore Parking Lots Safety Lighting - \$180,000. Improvements designed. Construction underway with completion in April of '95.

South Shores - Phase III - \$1,300,000. Consultant contract approved. Design to be completed by Spring of '95. Bid award Fall '95. Construction completed by June '95.

Bicycle/Walkway Improvements - \$30,000. San Diego River walkway designed. America's Cup facilities and weather conditions have caused delays. Estimated completion on hold.

Fiesta Island Improvements - \$2,498,000. Funds will be spent when sludge beds are removed from Island.

John C. Leppert

JCL/act

Item 10.a.



**STATUS OF MISSION BAY SLUDGE MITIGATION PROGRAMS  
AS OF NOVEMBER 17, 1995 (PERIOD 5 FY 96)**

**ATTACHMENT B**

SOURCES: Grant Project Status Report C40-320

DB ORDER NUMBER	PROJECT TITLE	(A) APPROP. BALANCE	EXPENDITURES						(Exp + Encumb) FY 96	(B) TOTAL PTD (exp + encum)	(A-B) AMNT REMAIN
		FY 90	FY 91	FY 92	FY 93	FY 94	FY 95				
000001	Surplus Due to Savings from Closed Projects	176,278.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	176,278.55
000002	Sludge Fund Interest Earnings	462,262.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	462,262.51
120760	MB Water Quality Testing	150,000.00	0.00	0.00	0.00	0.00	0.00	85,130.67	12,365.16	97,495.83	52,504.17
120770	MB Stormdrain Education Program	100,000.00	0.00	0.00	0.00	0.00	28,512.96	6,863.33	9,536.67	44,912.96	55,087.04
220242	S. Shores Development Ph II(Mltg. Signage)	2,500.00	0.00	1,310.70	1,189.30	0.00	0.00	0.00	0.00	2,500.00	0.00
220243	South Shores Development Ph III	2,000,000.00	0.00	0.00	0.00	0.00	0.00	164,697.32	110,761.35	275,458.67	1,724,541.33
220750	Crown Point Restroom	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
220760	Sail Bay Development Ph IV	200,000.00	0.00	0.00	0.00	0.00	0.00	196,337.71	3,662.29	200,000.00	0.00
220790	No. Wildlife Reserve Req (Sidewalk & Platform)	85,074.28	0.00	1,800.00	15,081.75	30,458.38	37,734.15	0.00	0.00	85,074.28	0.00
220800	Santa Clara Pt Parking Lot (Study)	10,000.00	0.00	5,200.00	0.00	4,800.00	0.00	0.00	0.00	10,000.00	0.00
220810	Tecolote Shores Parking Lot	172,516.57	0.00	8,482.42	135,856.87	28,177.28	0.00	(0.00)	0.00	172,516.57	0.00
220820	Tecolote Shores Disabled Play Area	579,500.00	0.00	2,352.03	(2,346.63)	1,504.00	286,129.79	231,760.30	53,992.87	573,392.36	6,107.64
220830	Bonita Cove Improvements(Playground Equip)	29,775.26	0.00	0.00	29,775.26	0.00	0.00	0.00	0.00	29,775.26	0.00
220840	MB Tree Planting (Palm Trees Ph I)	14,216.03	0.00	0.00	14,216.03	0.00	0.00	0.00	0.00	14,216.03	0.00
220850/51	MB Master Plan Update/Consultant Services	500,000.00	10,000.00	3,494.45	351,903.93	58,743.95	24,473.54	26,590.66	22,771.04	497,977.57	2,022.43
220860	Fiesta Island Improvement Reserve	2,998,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2,998,000.00
220870	Bonita Cove Park Lot Lights(SW Vacation Isle)	169,567.46	0.00	0.00	0.00	165,889.44	2,233.36	1,589.26	349.63	170,060.69	(493.23)
220880	Ski Beach Restroom	258,000.00	0.00	0.00	36,104.03	2,989.15	2,824.69	17,300.26	155,564.62	214,782.75	43,217.25
220890	Hospitality Pt. Picnic Shelter	64,191.92	0.00	1,799.80	8,377.79	15,077.90	8,282.56	26,175.84	4,478.03	64,191.92	0.00
220900	MB Park Tree Planting (Palm Trees Ph II & III)	60,783.97	0.00	0.00	28,500.00	0.00	0.00	31,763.18	0.00	60,263.18	520.79
220920	So. Crown Point Walkway	150,000.00	0.00	0.00	5,003.14	12,033.90	21,590.87	95,946.39	5,903.76	140,478.06	9,521.94
220930	W. MB Drive Sidewalk	78,357.16	0.00	0.00	11,992.12	49,322.73	17,042.31	0.00	(0.00)	78,357.16	0.00
229180	MB N. Wildlife Expansion(Frost Acq.)	1,598,369.64	0.00	0.00	0.00	1,598,369.64	0.00	0.00	3,868.69	1,602,238.33	(3,868.69)
229190	Vacation Island Playground	54,616.00	0.00	0.00	0.00	0.00	5,844.95	12,672.42	67,567.51	86,084.88	8,531.12
229200	N Crown Pt. Access and Landscape Improv	10,000.00	0.00	0.00	0.00	0.00	2,466.40	3,436.65	4,041.97	9,945.02	54.98
229210	West Mission Bay Drive Sidewalk, Ph II	105,000.00	0.00	0.00	0.00	0.00	4.20	244.00	32,894.00	33,142.20	71,857.80
229220	Mariners Point Picnic Shelter	92,968.00	0.00	0.00	0.00	0.00	980.12	14,746.37	66,862.32	82,588.81	10,399.19
229230	North Ski Beach Picnic Shelter	100,000.00	0.00	0.00	0.00	0.00	966.23	18,706.05	63,952.28	83,624.56	16,375.44
229240	Bonita Cove Playgrounds ADA Upgrade	99,354.00	0.00	0.00	0.00	0.00	1,128.12	17,919.56	65,905.89	84,953.57	14,400.43
229250	Mission Point Playground ADA Upgrade	53,934.00	0.00	0.00	0.00	0.00	841.41	12,366.66	33,629.84	46,837.91	7,096.09
229260	Fiesta Island Group Camping Site Impr. Ph I	35,000.00	0.00	0.00	0.00	0.00	0.00	22,437.96	4,645.00	27,082.96	7,917.04
229270	East Shore Parking Lcts-Safety Lighting	132,432.54	0.00	0.00	0.00	0.00	125.19	52,478.41	19,457.33	72,060.93	60,371.61
229280	Bicycle/Walkway Improvement	30,000.00	0.00	0.00	0.00	0.00	0.00	0.00	10,295.41	10,295.41	19,704.59
229290	Sunset Point Picnic Shelter	100,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100,000.00
229320	Mission Bay Info. Center/Playgrounds	100,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100,000.00
274920	Pmt to Boy Scouts for Fiesta Island Water Line	12,000.00	0.00	0.00	12,000.00	0.00	0.00	0.00	0.00	12,000.00	0.00
TOTAL		10,824,717.89	10,000.00	24,439.40	647,653.59	1,967,365.37	441,180.85	1,039,163.00	752,505.66	4,882,307.87	5,942,410.02

REFERENCE: JSLUDGE REPORTS\SLUDGE WK3

Prepared By: DOUG CADY  
Updated: 12/15/95

*Item 10. a.*

# Sludge Processing in Current Metro System

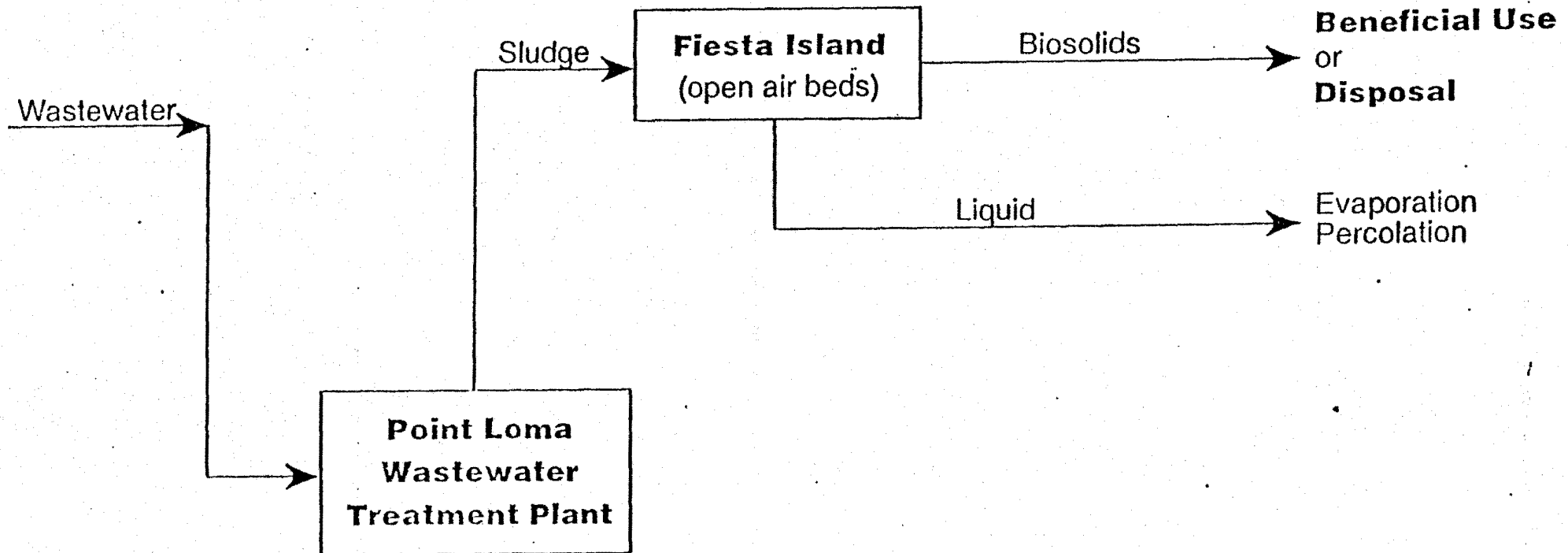


Figure 1

Item 10.9

# Sludge Processing in Future Metro System

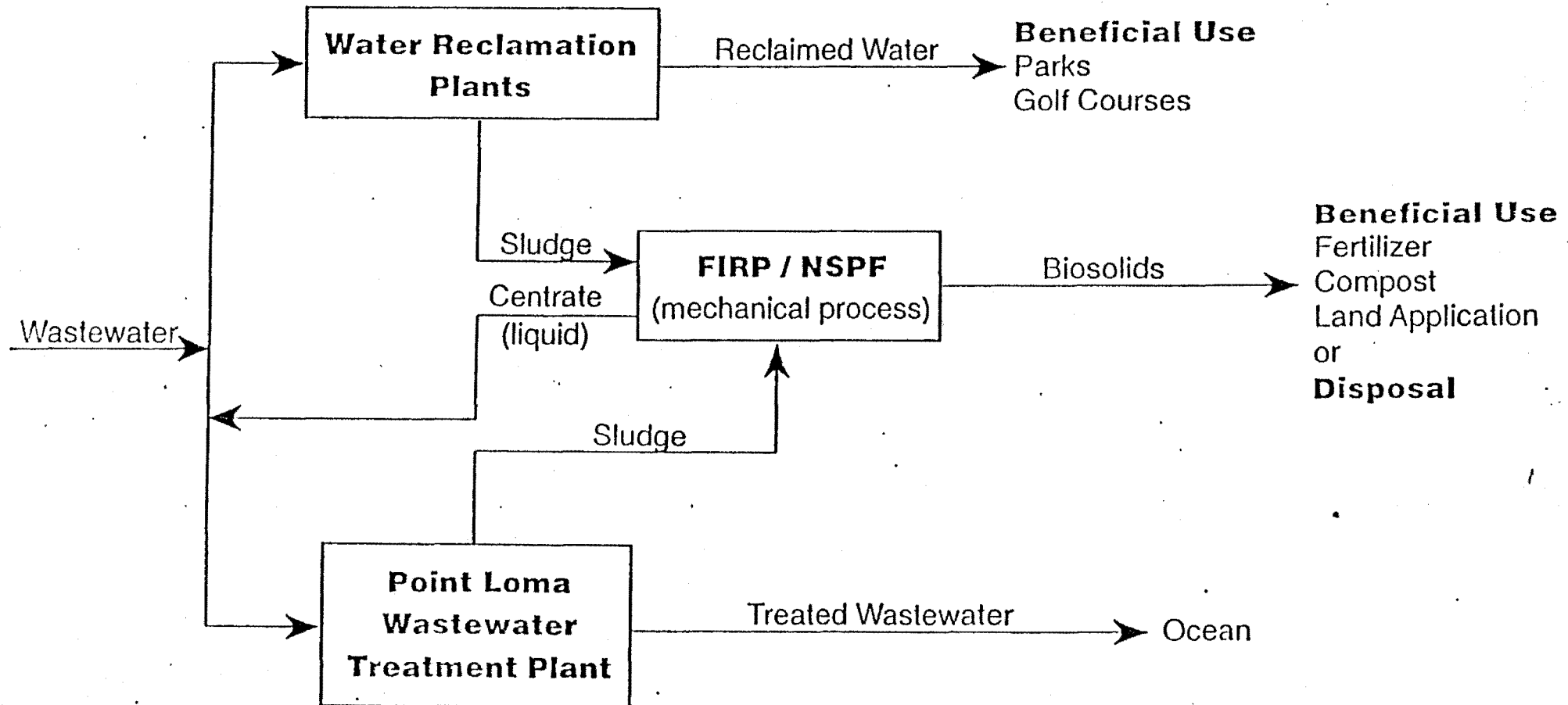
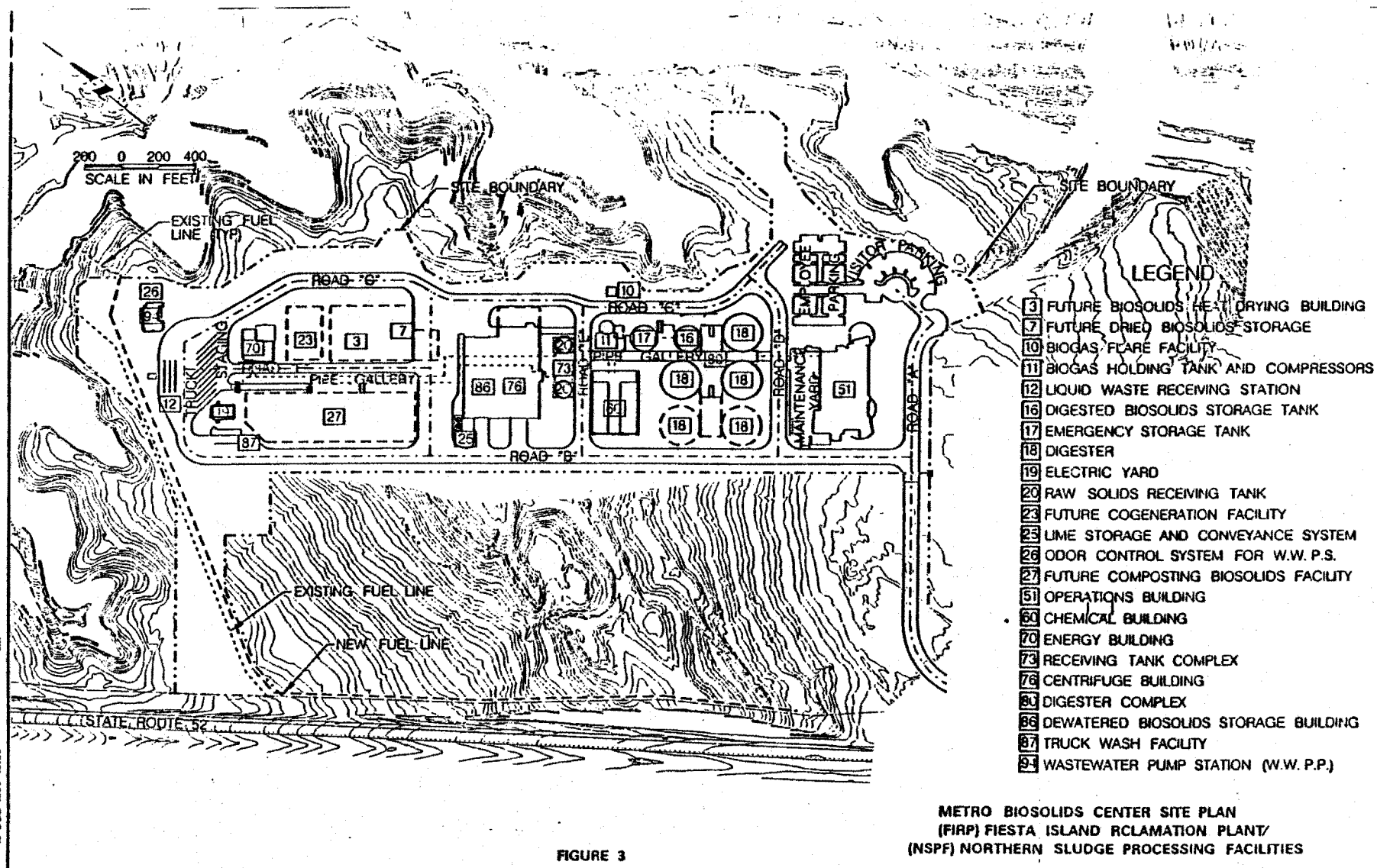


Figure 2

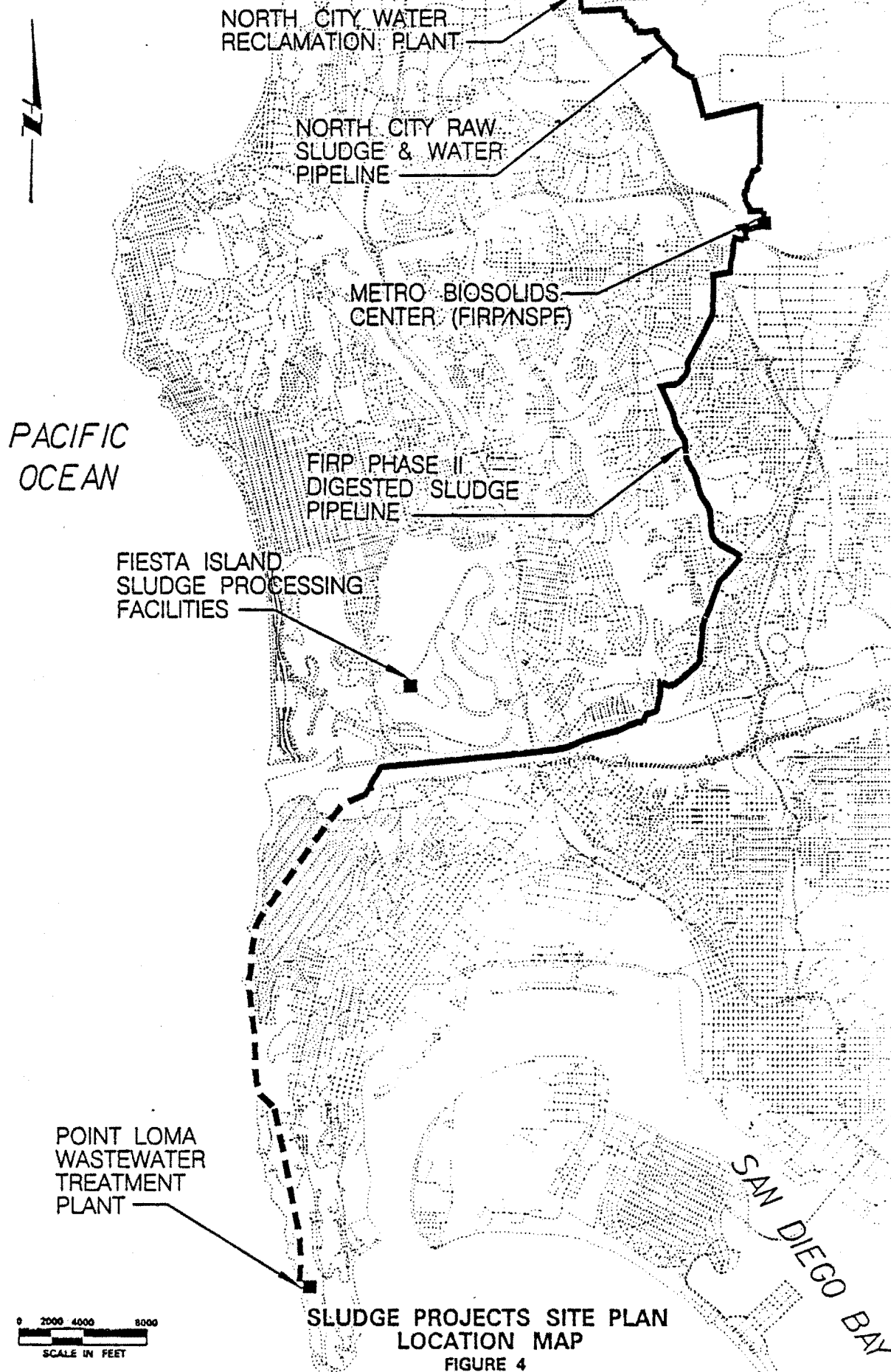
14pm 17 c



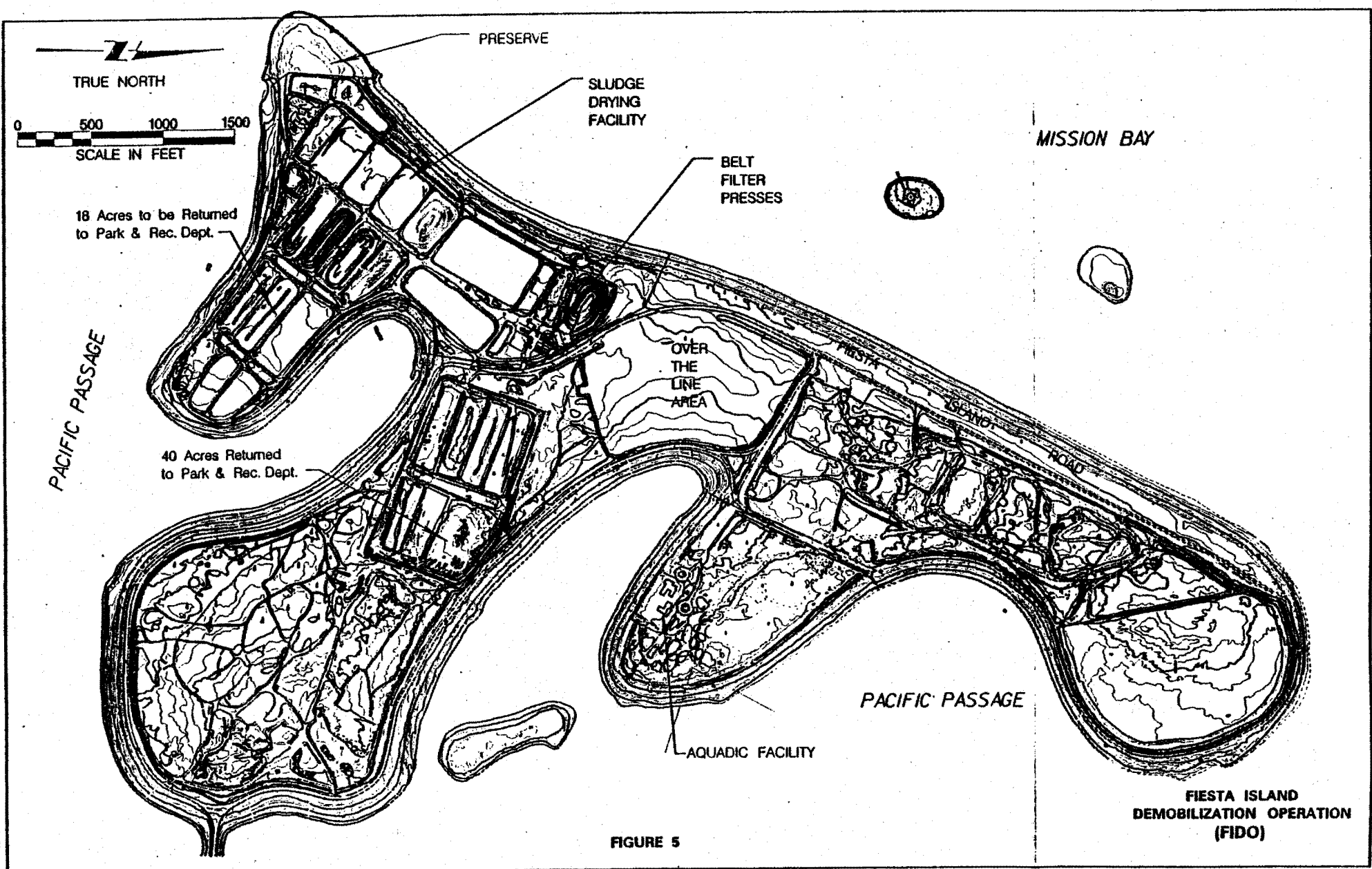
**FIGURE 3**

Item 17. a.

15-DEC-1995 18:02  
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clh



As of 12/15/1995 16:18  
18-DEC-1995 16:18

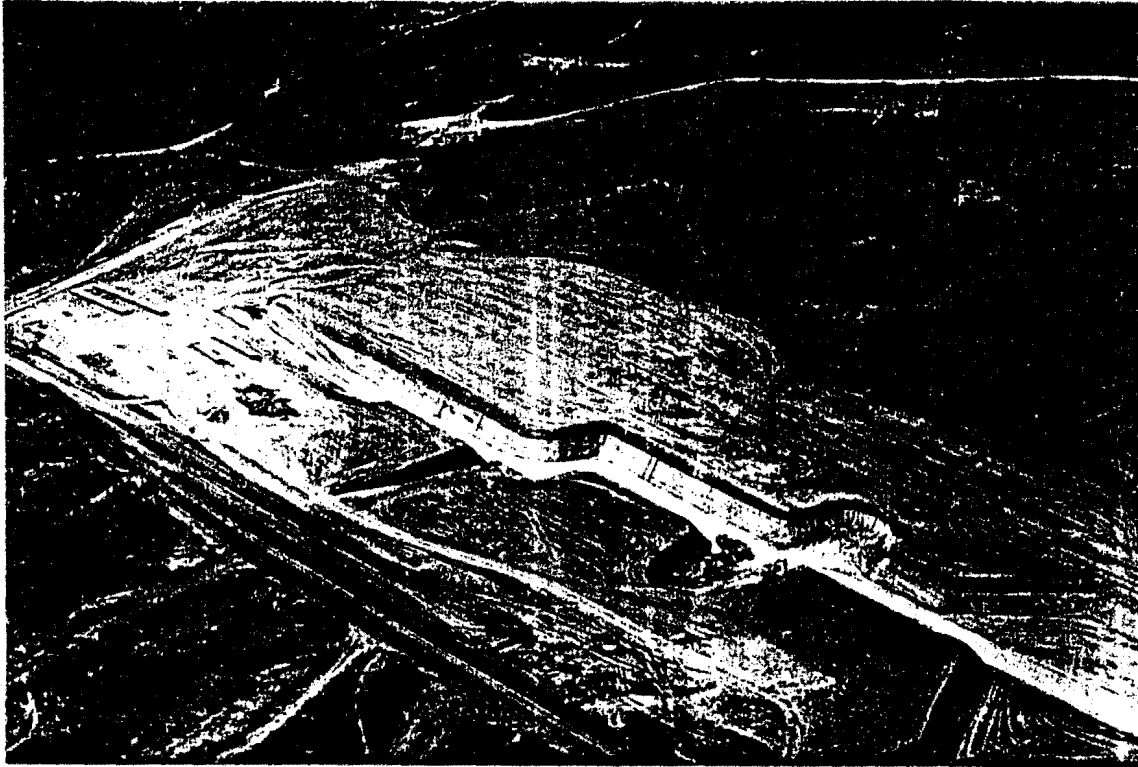


Item 10.a.

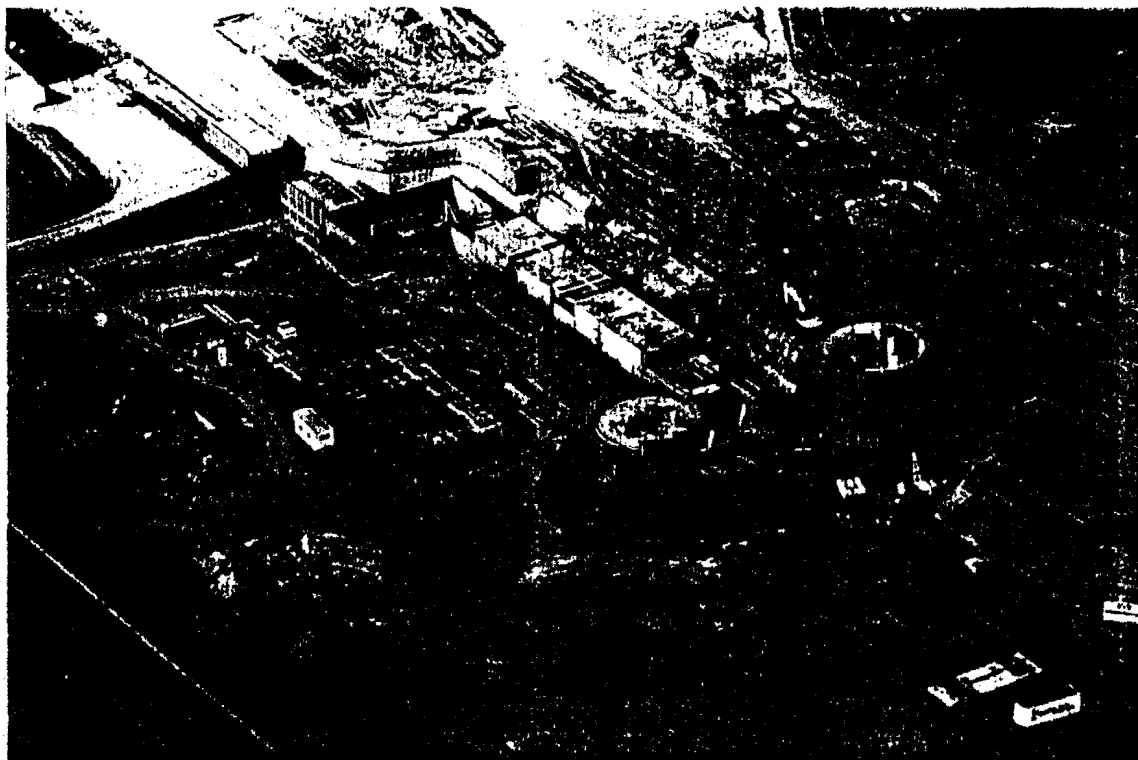
CONSTRUCTION PHOTO SHEET

# METRO BIOSOLIDS CENTER

ISSUED DECEMBER 1, 1995



May 29, 1995 - Initial excavation complete.



October 22, 1995 - Pipe Gallery and Raw Solids Receiving Tanks underway.

Thom 10.2.

