

RESOLUTION NO. 88-165

A RESOLUTION OF THE LODI CITY COUNCIL
ESTABLISHING A STORM DRAINAGE FEE FOR ALL DEVELOPMENTS
WITHIN THE CITY OF LODI

WHEREAS, the Lodi City Council has adopted Ordinance No. 1440, creating and establishing the authority for imposing and charging a Storm Drainage Fee in the City of Lodi; and

WHEREAS, studies have been made and data gathered on the impact of contemplated future development on existing public drainage facilities in the City of Lodi, along with an analysis of the need for new public drainage facilities and improvements required by new development was conducted, and said ordinance and study set forth the relationship between new development, the needed facilities, and the estimated cost(s) of those improvements. This study, entitled Master Storm Drain System was prepared by the City of Lodi Public Works Department, Engineering Division and is dated November 1988; and

WHEREAS, such information was available for public inspection and review fourteen days prior to the public hearing; and

WHEREAS, the City Council finds as follows:

1. The purpose of this fee is to finance Master Drainage facilities and to reduce the impacts of flooding and related problems caused by new development, within the City of Lodi;
2. The Storm Drainage Fees collected pursuant to this resolution shall be used to finance only the public facilities described or identified in the project summary of said study, attached hereto as Exhibit 1;
3. After considering available information and data, and the testimony received at the public hearing, the Council approves said study and incorporates such study herein, and further finds that new development within the City of Lodi will generate additional drainage impacts within the impacted area described in the map attached hereto as Exhibit 2 and will contribute to the degradation of the existing drainage facilities and the overall quality of life in that area;
4. There is a need in this described impact area for such drainage facilities which have not been constructed or have been constructed, but new development has not contributed its fair share toward these facility costs and said facilities have been called for in or are consistent with the City of Lodi's General Plan, and/or Master Drainage Plan.

5. The facts and evidence presented establish that there is a reasonable relationship between the need for the described public facilities and the impacts of the types of development described in paragraph 3 above, for which the corresponding fee is charged, and, also there is a reasonable relationship between the fee's use and the type of development for which the fee is charged, as these reasonable relationships or nexus are in more detail described in the studies and data referenced above;
6. It is appropriate to establish the fee on a city-wide basis in order to construct facilities in a timely and cost effective manner and reduce the need for replacement of existing facilities in order to accommodate new development;
7. The cost estimates set forth in Exhibit 1 are reasonable costs estimates for constructing these facilities, and the fees expected to be generated by new development will not exceed the total of such costs;
8. The City has appropriated funds and established a Capital Improvement Program which includes a portion of the projects shown in Exhibit 1;

NOW, THEREFORE, IT IS RESOLVED by the Lodi City Council that:

1. DEFINITIONS.

- (a) "New development" shall mean the filing of a Final Subdivision Map or the construction or reconstruction of any residential, commercial, industrial or other nonresidential improvements, or other improvements such as parking or storage lots or the installation of storm drains. New development shall not include reconstruction of improvements on property for which a Storm Drainage Fee has already been paid except as provided in Section 2(c) of this Resolution. For purposes of this Resolution, "previous Storm Drainage Fee" refers to Master Storm Drainage Fees per Resolution 3618, or per this Resolution.
- (b) "Gross acre" shall mean the area of the development plus street frontage computed to the centerline of the street or forty (40) feet from the ultimate right-of-way, whichever is less.

2. FEES.

STORM DRAINAGE FEE

The City Council hereby repeals Resolution No. 3618, "Master Drainage Program Fee", adopted April 5, 1972, and Resolution No. 4394, "Intract Drainage Fee", adopted September 21, 1977, and herein provides for a unified fee structure for such Storm Drainage Fees as follows:

- (a) For new residential development, the Storm Drainage Fee shall be \$3620.00 per gross acre, and
- (b) For each new commercial or industrial development, the Storm Drainage Fee shall be \$4830.00 per gross acre, and
- (c) For each conversion of residential development to commercial or industrial development, where a Storm Drainage Fee was previously paid, the Storm Drainage Fee shall be \$1210.00 per gross acre.

The fee shall not apply to City projects, other projects exempted by law, nor to reconstruction of, or additions to single family dwellings.

3. TIME OF PAYMENT.

In accordance with Government Code § 53077.5(b), such Storm Drainage fees shall be paid prior to the Final Subdivision Map filing; or, in cases of Parcel Maps or other developments, prior to the issuance of a building or other permit, by all non-exempted new development in this area. The Public Works Director shall determine the type of development, area to be charged, and the corresponding fee in accordance with this Resolution.

4. USE OF FEE.

The fee shall be solely used to pay (1) for the described public facilities to be constructed by the City; (2) for reimbursing the City for the developer's fair share of those capital improvements already constructed by the City; or (3) to reimburse developers who have constructed public facilities described in Exhibit 1 attached hereto, where those facilities were beyond that needed to mitigate the impacts of the developer's project(s).

5. FEE REVIEW.

The Public Works Director shall, on an annual basis, review the estimated cost of the described capital improvements, the continued need for those improvements, and the reasonable relationship between such need and the impacts of the various types of development pending or anticipated and for which this fee is charged. The Public Works Director shall report his findings to the City Council at a noticed public hearing and recommend any adjustment to this fee or other action as may be needed.

6. JUDICIAL ACTION TO CHALLENGE THIS RESOLUTION.

Any judicial action or proceeding to attack, review, set aside, void or annul this resolution shall be brought within 120 days following its adoption.

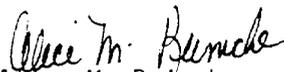
PASSED AND ADOPTED THIS 21st day of December, 1988.

I hereby certify that Resolution No. 88-165 was passed and adopted by the City Council of the City of Lodi in a regular meeting held December 21, 1988 by the following vote:

Ayes: Council Members - Hinchman, Olson, Reid, Snider and
Pinkerton (Mayor)

Noes: Council Members - None

Absent: Council Members - None


Alice M. Reimche
City Clerk

(ATTACHMENTS: 1) Exhibit 1 List of Public Facilities to be financed.
2) Exhibit 2 Map of Impacted Areas.

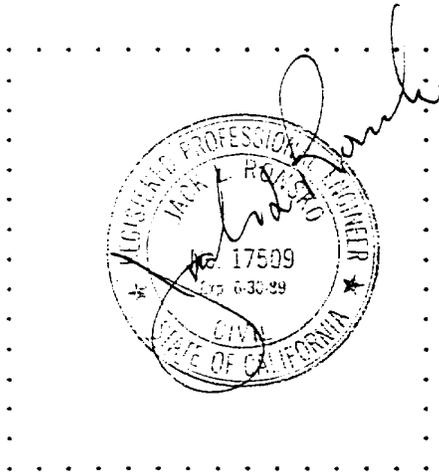
CITY OF LODI

PUBLIC WORKS DEPARTMENT

STORM DRAINAGE

FEE STUDY

November 1988



1988

SET NO. _____

City of Lodi
Capital Improvement Program

Master Storm Drain System

Introduction

This document presents the background material for the expansion and funding of the City's Master Storm Drain System. The report consists of the following:

Project Summary - list of projects and their total cost

Master Storm Drain System Map - shows service area and projects

Project Sheets - individual sheets describing the project with cost estimate

Ordinance - the ordinance implementing the storm drain fee

Resolution - the resolution setting the actual storm drain fee and administrative procedures

Cost Study - drainage design and cost comparison for residential area vs. commercial/industrial area

Storm Drain Fee Calculation - summary of figures used to calculate fee

Storm Drain Fee Comparison - summary of existing and proposed fee structures with comparison examples

City of Lodi
Capital Improvement Program

Master Storm Drain System
Project Summary

<u>Project Number</u>	<u>Project Title</u>	<u>Updated Cost for:</u>	<u>Jan-89</u>
MSD001	C-Basin Development	(Pixley Park)	\$ 686,000
MSD002	Calaveras St. Storm Drain	Lockeford to Turner	119,000
MSD003	Turner Rd./Guild Ave. Storm Drain		211,000
MSD004	Pine St. Storm Drain	Guild Ave. to 800' E/Guild	41,000
MSD005	Thurman St. Storm Drain		69,000
MSD006	Vine St. Storm Drain	400' E/Cluff Ave. to Guild Ave.	54,000
MSD007	C-Basin Southeast Area Storm Drain		171,000
MSD008	Evergreen Dr. Storm Drain	White Oak Way to 500' N/Turner Rd.	128,000
MSD009	Evergreen Dr. Storm Drain	Bayberry Dr to 1400' S/Bayberry	63,000
MSD010	E-Basin Expansion	(Westgate Park)	1,059,000
MSD011	F-Basin Development		1,555,000
MSD012	F-Basin North/South Storm Drain		363,000
MSD013	Kettleman Lane Storm Drain	East of G-Area Trunk Line	147,000
MSD014	Kettleman Lane Storm Drain	West of G-Area Trunk Line	182,000
MSD015	G-Basin Southeast Area Storm Drain		258,000
MSD016	Orchis Drive Storm Drain	West of Sylvan Way	62,000
MSD017	G-Basin Development	(future family golf center)	2,661,000
MSD018	Master Storm Drain System Engineering		82,000
MSD019	Lodi Ave. Storm Drain	600' E/Cluff Ave. to Guild Ave.	31,000
Total Cost:			\$ 7,942,000

Remarks

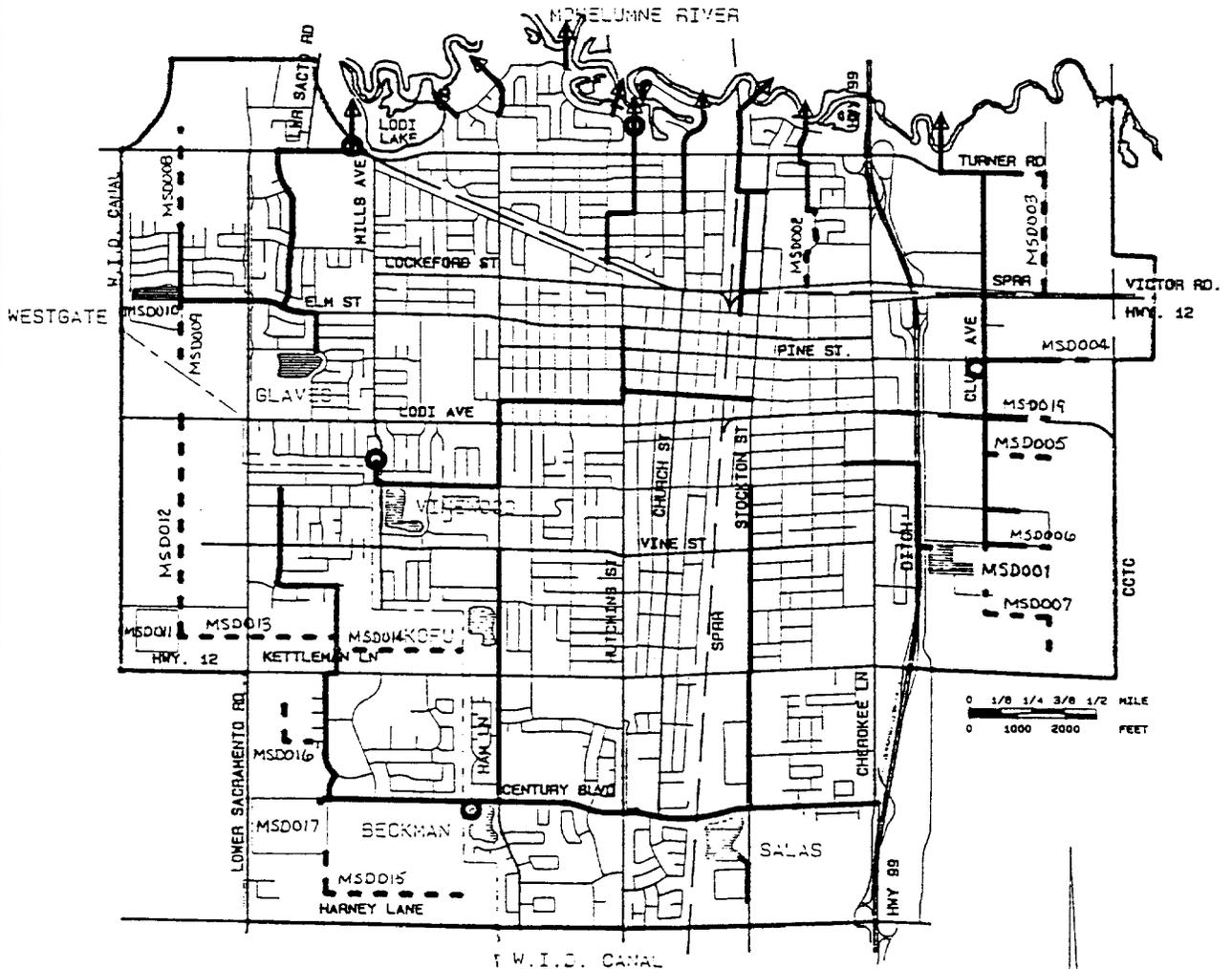
Refer to individual project sheets for details.

Exhibit 1



CITY OF LODI
PUBLIC WORKS DEPARTMENT

MASTER STORM DRAIN
SYSTEM



LEGEND

- TRUNK LINES & OUTFALLS
- EXISTING
- - - FUTURE
- BASIN/PARKS
- FUTURE
- ◊ EXISTING
- DRAINAGE AREA (APPROX.)
- PUMP STATION

MSD001 PROJECT NUMBER

Exhibit 2

City of Lodi
Capital Improvement Program

C-Basin Development
(Pixley Park)

Project Description

This project included the expansion and development of the C-Basin according to the Master Plan adopted in 1988 (Dwg 88E003). The estimates are for Master Storm Drain improvements only. Park improvements are estimated separately.

The basin will be developed in phases as shown. Excavation will be over a period of approximately 3 years.

It is assumed the landscape architect who prepared the Master Plan will be retained to participate in the design of the grading, landscaping and irrigation.

Related Projects

Project Number: MSD001

<u>Estimated Costs</u>	<u>Amount</u>	<u>Date of</u>	<u>ENR</u>	<u>Updated Cost for:</u>	<u>Jan-89</u>
<u>Item</u>		<u>Estimate</u>	<u>Index</u>	<u>ENR Index:</u>	<u>4623</u>
Prelim Eng:					
EIR:					
Rights of Way:					
Easements:					
Consultants: (Bigler, design concepts, landscaping)	4,000				
Design Eng.:					
Construction:					
a) Excavation, fence	budgeted 88/89				
b) Street Improv's	171,000	Jun-88	4525		\$ 175,000
c) Interior drainage	72,000	Dec-86	4348		\$ 77,000
d) Control/Pump Str.	140,000	Jun-88	4525		\$ 143,000
e) Landscape/Irrig.	284,700	Jun-88	4525		\$ 291,000
Other:					

Total Cost: \$ 686,000

Remarks

Design Engineering shown separately if anticipated to be budgeted prior to construction; if not, it is included in construction.

Construction includes contract administration & inspection unless shown otherwise.

City of Lodi
Capital Improvement Program

Calaveras St. Storm Drain
Lockeford to Turner

Project Description

This project includes the installation of a 30" storm drain in Calaveras Street to carry drainage from the Lockeford St. area to the trunk line in Pioneer Drive.

Related Projects

Project Number: MSD002

Estimated Costs

<u>Item</u>	<u>Amount</u>	<u>Date of Estimate</u>	<u>ENR Index</u>	<u>Updated Cost for:</u>	<u>Jan-89</u>
				<u>ENR Index:</u>	<u>4623</u>
Prelim Eng:					
EIR:					
Rights of Way:					
Easements:					
Consultants:					
Design Eng.:	9,000	Jun-88	4525		\$ 9,000
Construction:	108,000	Jun-88	4525		\$ 110,000
Other:					

Total Cost: \$ 119,000

Remarks

Design Engineering shown separately if anticipated to be budgeted prior to construction; if not, it is included in construction.
 Construction includes contract administration & inspection unless shown otherwise.

City of Lodi
Capital Improvement Program

Turner Rd./Guild Ave. Storm Drain

Project Description

This project includes the installation of approximately 650 LF of 60", 800 LF of 54" and 1150 LF of 42" storm drains in Turner Rd. and Guild Ave. plus manholes. The lines will connect to the existing 60" line in Turner Rd.

The project will be phased to accomodate adjacent development.

Related Projects

Project Number: MSD003

Estimated Costs

<u>Item</u>	<u>Amount</u>	<u>Date of Estimate</u>	<u>ENR Index</u>	<u>Updated Cost for:</u>	<u>ENR Index:</u>
Prelim Eng:				Jan-89	4623
EIR:					
Rights of Way:					
Easements:					
Consultants:					
Design Eng.:					
Construction:	206,700	Jun-88	4525		\$ 211,000
Other:					

Total Cost: \$ 211,000

Remarks

Design Engineering shown separately if anticipated to be budgeted prior to construction; if not, it is included in construction.
 Construction includes contract administration & inspection unless shown otherwise.

City of Lodi
Capital Improvement Program

Pine St. Storm Drain
Guild Ave. to 800' E/Guild

Project Description

This project includes the installation of approximately 800 LF of 30" storm drain and manholes.

The project will be phased to accomodate adjacent development.

Related Projects

Project Number: MSD004

<u>Estimated Costs</u>	<u>Amount</u>	<u>Date of</u>	<u>ENR</u>	<u>Updated Cost for:</u>	<u>Jan-89</u>
<u>Item</u>		<u>Estimate</u>	<u>Index</u>	<u>ENR Index:</u>	<u>4623</u>
Prelim Eng:					
EIR:					
Rights of Way:					
Easements:					
Consultants:					
Design Eng.:					
Construction:	40,600	Jun-88	4525		\$ 41,000
Other:					

Total Cost: \$ 41,000

Remarks

Design Engineering shown separately if anticipated to be budgeted prior to construction; if not, it is included in construction.

Construction includes contract administration & inspection unless shown otherwise.

City of Lodi
Capital Improvement Program

Thurman St. Storm Drain

Project Description

This project includes the installation of approximately 1250 LF of 36" storm drain and manholes.

The line will extend east from the existing 54" trunk line located in an easement along the extension of Cluff Ave.

The project will be phased to accomodate adjacent development.

Related Projects

Project Number: MSD005

<u>Estimated Costs</u>	<u>Amount</u>	<u>Date of</u>	<u>ENR</u>	<u>Updated Cost for:</u>	<u>Jan-89</u>
<u>Item</u>		<u>Estimate</u>	<u>Index</u>	<u>ENR Index:</u>	<u>4623</u>
Prelim Eng:					
EIR:					
Rights of Way:					
Easements:					
Consultants:					
Design Eng.:					
Construction:	68,000	Jun-88	4525		\$ 69,000
Other:					

Total Cost: \$ 69,000

Remarks

Design Engineering shown separately if anticipated to be budgeted prior to construction; if not, it is included in construction.

Construction includes contract administration & inspection unless shown otherwise.

City of Lodi
Capital Improvement Program

Vine St. Storm Drain
400' E/Cluff Ave. to Guild Ave.

Project Description

This project includes the installation of approximately 650 LF of 30" storm drain and manholes.

The line will extend east from the existing 30" trunk line located in Vine St. east of Cluff Ave.

The project will be phased to accomodate adjacent development.

Related Projects

Project Number: MSD006

<u>Estimated Costs</u>	<u>Amount</u>	<u>Date of Estimate</u>	<u>ENR Index</u>	<u>Updated Cost for:</u>	<u>Jan-89</u>
<u>Item</u>				<u>ENR Index:</u>	<u>4623</u>
Prelim Eng:					
EIR:					
Rights of Way:					
Easements:					
Consultants:					
Design Eng.:					
Construction: a) 444' E/Cluff to 750' E/Cluff	21,000	Jun-88	4525		\$ 21,000
b) 750' E/Cluff to Guild	32,000	Jun-88	4525		\$ 33,000
Other:					

Total Cost: \$ 54,000

Remarks

Design Engineering shown separately if anticipated to be budgeted prior to construction; if not, it is included in construction.

Construction includes contract administration & inspection unless shown otherwise.

City of Lodi
Capital Improvement Program

C-Basin Southeast Area Storm Drain

Project Description

This project includes the installation of 42" and 30" storm drains and manholes south and east of C-Basin (Pixley Park) to Guild Ave.

The project will include an inlet structure at the southeast corner of the basin. Exact alignment of the storm drain will depend on the street layout of the area.

The project will be phased to accomodate adjacent development.

Related Projects

Project Number: MSD007

Estimated Costs

<u>Item</u>	<u>Amount</u>	<u>Date of Estimate</u>	<u>ENR Index</u>	<u>Updated Cost for:</u>	<u>ENR Index:</u>
Prelim Eng:				Jan-89	4623
EIR:					
Rights of Way:					
Easements:					
Consultants:					
Design Eng.:					
Construction:	167,000	Jun-88	4525		\$ 171,000
Other:					

Total Cost: \$ 171,000

Remarks

Design Engineering shown separately if anticipated to be budgeted prior to construction; if not, it is included in construction.
 Construction includes contract administration & inspection unless shown otherwise.

City of Lodi
Capital Improvement Program

Evergreen Dr. Storm Drain
White Oak Way to 500' N/Turner Rd.

Project Description

This project includes the installation of 36" and 30" storm drains and manholes north of the Parkwest Subdivision.

The line will connect to the existing trunk line in Evergreen Dr. to E-Basin (Westgate Park).

The project will be phased to accomodate adjacent development.

Related Projects

Project Number: MSD008

<u>Estimated Costs</u>	<u>Amount</u>	<u>Date of Estimate</u>	<u>ENR Index</u>	<u>Updated Cost for:</u>	<u>Jan-89</u>
<u>Item</u>				<u>ENR Index:</u>	<u>4623</u>
Prelim Eng:					
EIR:					
Rights of Way:					
Easements:					
Consultants:					
Design Eng.:					
Construction:	125,000	Jun-88	4525		\$ 128,000
Other:					

Total Cost: \$ 128,000

Remarks

Design Engineering shown separately if anticipated to be budgeted prior to construction; if not, it is included in construction.

Construction includes contract administration & inspection unless shown otherwise.

City of Lodi
Capital Improvement Program

Evergreen Dr. Storm Drain
Bayberry Dr to 1400' S/Bayberry

Project Description

This project includes the installation of 36" and 30" storm drains and manholes south of the Parkwest Subdivision.

The line will connect to the existing trunk line in Evergreen Dr. to E-Basin (Westgate Park).

The project will be phased to accomodate adjacent development.

Related Projects

Project Number: MSD009

<u>Estimated Costs</u>	<u>Amount</u>	<u>Date of Estimate</u>	<u>ENR Index</u>	<u>Updated Cost for:</u>	<u>Jan-89</u>
<u>Item</u>				<u>ENR Index:</u>	<u>4623</u>
Prelim Eng:					
EIR:					
Rights of Way:					
Easements:					
Consultants:					
Design Eng.:					
Construction:	61,300	Jun-88	4525		\$ 63,000
Other:					

Total Cost: \$ 63,000

Remarks

Design Engineering shown separately if anticipated to be budgeted prior to construction; if not, it is included in construction.

Construction includes contract administration & inspection unless shown otherwise.

City of Lodi
Capital Improvement Program

E-Basin Expansion
(Westgate Park)

Project Description

This project includes the expansion and development of the E-Basin according to the Master Plan adopted in 1986 (Dwg 88E002). The estimates are for Master Storm Drain improvements only. Park improvements are estimated separately.

The basin expansion will be needed when either of the areas north or south of the Parkwest Subdivision develop.

It is assumed the excavation will be done at no net cost to the City.

Related Projects

Project Number: MSD010

Estimated Costs

<u>Item</u>	<u>Amount</u>	<u>Date of Estimate</u>	<u>ENR Index</u>	<u>Updated Cost for:</u>	<u>Jan-89</u>
				<u>ENR Index:</u>	<u>4623</u>
Prelim Eng:					
EIR:					
Rights of Way: (15.5 Ac @ \$30,000/ac)	465,000	Jun-88	4525		\$ 475,000
Easements:					
Consultants:					
Design Eng.:					
Construction:					
a) Fence	62,920	Jun-88	4525		\$ 64,000
b) Street Improv's	140,400	Jun-88	4525		\$ 143,000
c) Interior drainage	100,750	Jun-88	4525		\$ 103,000
d) Control/Pump Str. (existing)					
e) Landscape/Irrig.	268,060	Jun-88	4525		\$ 274,000
Other:					

Total Cost: \$ 1,059,000

Remarks

Design Engineering shown separately if anticipated to be budgeted prior to construction; if not, it is included in construction.

Construction includes contract administration & inspection unless shown otherwise.

City of Lodi
Capital Improvement Program

F-Basin Development

Project Description

This project includes the development of the F-Basin to be located north of Kettleman Lane, west of Lower Sacramento Road. No detailed plan has been adopted for this park.

The basin will be needed when the area west of Lower Sacramento Road between Kettleman Lane and the WID canal develops.

It is assumed the excavation will be done at no net cost to the City.

Related Projects

Project Number: MSD011

Estimated Costs

<u>Item</u>	<u>Amount</u>	<u>Date of Estimate</u>	<u>ENR Index</u>	<u>Updated Cost for:</u>	<u>Jan-89</u>
				<u>ENR Index:</u>	<u>4623</u>
Prelim Eng:	\$ 5,000	Jun-88	4525		\$ 5,000
EIR:					
Rights of Way: (20 Ac @ \$30,000/ac)	600,000	Jun-88	4525		\$ 613,000
Easements:					
Consultants:					
Design Eng.:					
Construction:					
a) Fence	106,340	Jun-88	4525		\$ 109,000
b) Street Improv's	217,620	Jun-88	4525		\$ 222,000
c) Interior drainage	130,000	Jun-88	4525		\$ 133,000
d) Control/Pump Str.	117,000	Jun-88	4525		\$ 120,000
e) Landscape/Irrig.	345,800	Jun-88	4525		\$ 353,000
Other:					

Total Cost: \$ 1,555,000

Remarks

Design Engineering shown separately if anticipated to be budgeted prior to construction; if not, it is included in construction.

Construction includes contract administration & inspection unless shown otherwise.

City of Lodi
Capital Improvement Program

F-Basin North/South Storm Drain

Project Description

This project includes the installation of 54", 48", 42" and 30" storm drains and manholes north of F-Basin.

Exact alignment and lengths of the storm drains will depend on the street layout of the area.

The project will be phased to accomodate adjacent development.

Related Projects

Project Number: MSD012

Estimated Costs

<u>Item</u>	<u>Amount</u>	<u>Date of Estimate</u>	<u>ENR Index</u>	<u>Updated Cost for:</u>	<u>Jan-89</u>
				<u>ENR Index:</u>	<u>4623</u>
Prelim Eng:					
EIR:					
Rights of Way:					
Easements:					
Consultants:					
Design Eng.:					
Construction:	355,000	Jun-88	4525		\$ 363,000
Other:					

Total Cost: \$ 363,000

Remarks

Design Engineering shown separately if anticipated to be budgeted prior to construction; if not, it is included in construction.

Construction includes contract administration & inspection unless shown otherwise.

City of Lodi
Capital Improvement Program

Kettleman Lane Storm Drain
East of G-Area Trunk Line

Project Description

This project includes the installation of 36" and 30" storm drains and manholes north of Kettleman Lane easterly from the existing 54" trunk line.

Exact alignment and lengths of the storm drains will depend on the street layout of the area.

The project will be phased to accomodate adjacent development.

Related Projects

Project Number: MSD013

Estimated Costs

<u>Item</u>	<u>Amount</u>	<u>Date of Estimate</u>	<u>ENR Index</u>	<u>Updated Cost for:</u>	<u>ENR Index:</u>
Prelim Eng:				Jan-89	4623
EIR:					
Rights of Way:					
Easements:					
Consultants:					
Design Eng.:					
Construction:	144,000	Jun-88	4525		\$ 147,000
Other:					

Total Cost: \$ 147,000

Remarks

Design Engineering shown separately if anticipated to be budgeted prior to construction; if not, it is included in construction.
 Construction includes contract administration & inspection unless shown otherwise.

City of Lodi
Capital Improvement Program

Kettleman Lane Storm Drain
West of G-Area Trunk Line

Project Description

This project includes the installation of a 30" storm drain and manholes north of Kettleman Lane westerly from the existing 54" trunk line to the future F-Basin.

Exact alignment and lengths of the storm drains will depend on the street layout of the area.

The project will be phased to accomodate adjacent development.

The estimate included jacking pipe across Lower Sacramento Road.

Related Projects

Project Number: MSD014

<u>Estimated Costs</u>	<u>Amount</u>	<u>Date of Estimate</u>	<u>ENR Index</u>	<u>Updated Cost for:</u>	<u>Jan-89</u>
<u>Item</u>				<u>ENR Index:</u>	<u>4623</u>
Prelim Eng:					
EIR:					
Rights of Way:					
Easements:					
Consultants:					
Design Eng.:					
Construction:	178,000	Jun-88	4525		\$ 182,000
Other:					

Total Cost: \$ 182,000

Remarks

Design Engineering shown separately if anticipated to be budgeted prior to construction; if not, it is included in construction.

Construction includes contract administration & inspection unless shown otherwise.

City of Lodi
Capital Improvement Program

G-Basin Southeast Area Storm Drain

Project Description

This project includes the installation of 48" and 36" storm drains and manholes south and east of the G-Basin. A second inlet will be added to the G-Basin at the southeast corner.

Exact alignment and lengths of the storm drains will depend on the street layout of the area.

The project will be phased to accomodate adjacent development.

Related Projects

Project Number: MSD015

<u>Estimated Costs</u>	<u>Amount</u>	<u>Date of</u>	<u>ENR</u>	<u>Updated Cost for:</u>	<u>Jan-89</u>
<u>Item</u>		<u>Estimate</u>	<u>Index</u>	<u>ENR Index:</u>	<u>4623</u>
Prelim Eng:					
EIR:					
Rights of Way:					
Easements:					
Consultants:					
Design Eng.:					
Construction:	252,500	Jun-88	4525		\$ 258,000
Other:					

Total Cost: \$ 258,000

Remarks

Design Engineering shown separately if anticipated to be budgeted prior to construction; if not, it is included in construction.

Construction includes contract administration & inspection unless shown otherwise.

City of Lodi
Capital Improvement Program

Orchis Drive Storm Drain
West of Sylvan Way

Project Description

This project includes the installation of 36" and 30" storm drains and manholes west and north from the existing 36" storm drain in Orchis Way.

Exact alignment and lengths of the storm drains will depend on the street layout of the area.

The project will be phased to accomodate adjacent development.

Related Projects

Project Number: MSD016

<u>Estimated Costs</u>	<u>Amount</u>	<u>Date of Estimate</u>	<u>ENR Index</u>	<u>Updated Cost for:</u>	<u>Jan-89</u>
<u>Item</u>				<u>ENR Index:</u>	<u>4623</u>
Prelim Eng:					
EIR:					
Rights of Way:					
Easements:					
Consultants:					
Design Eng.:					
Construction:	60,800	Jun-88	4525		\$ 62,000
Other:					

Total Cost: \$ 62,000

Remarks

Design Engineering shown separately if anticipated to be budgeted prior to construction; if not, it is included in construction.

Construction includes contract administration & inspection unless shown otherwise.

City of Lodi
Capital Improvement Program

G-Basin Development
(future family golf center)

Project Description

This project includes the expansion and development of the G-Basin according to the family golf center concept. The estimates are for Master Storm Drain improvements only. Golf course improvements are estimated separately.

The basin will be developed in phases as shown. Excavation will be over a period of approximately 3 years with no net cost to the City.

It is assumed a golf course architect will be retained to participate in the design of the grading, landscaping and irrigation.

Related Projects

Project Number: MSD017

<u>Estimated Costs</u>	<u>Amount</u>	<u>Date of Estimate</u>	<u>ENR Index</u>	<u>Updated Cost for:</u>	<u>Jan-89</u>
<u>Item</u>				<u>ENR Index:</u>	<u>4623</u>
Prelim Eng:					
EIR:					
Rights of Way: (24 Ac @ \$30,000/ac)	720,000	Jun-88	4525		\$ 736,000
Easements:					
Consultants: (design concepts, landscaping)	6,000	Jun-88	4525		\$ 6,000
Design Eng.:					
Construction:					
a) Excavation, fence	160,160	Jun-88	4525		\$ 164,000
b) Street Improv's	374,400	Jun-88	4525		\$ 383,000
c) Interior drainage	334,750	Jun-88	4525		\$ 342,000
d) Control/Pump Str.	117,000	Jun-88	4525		\$ 120,000
e) Landscape/Irrig.	890,500	Jun-88	4525		\$ 910,000
Other:					

Total Cost: \$ 2,661,000

Remarks

Design Engineering shown separately if anticipated to be budgeted prior to construction; if not, it is included in construction.

Construction includes contract administration & inspection unless shown otherwise.

City of Lodi
Capital Improvement Program

Master Storm Drain System Engineering

Project Description

This project includes engineering and administration of the Master Storm Drain system which consists of planning, system studies, map updating, storm drain fee calculations and updates.

This engineering will include development of additional projects needed to mitigate the impact of infill development and conversion of land to higher runoff developments.

The projects may include:

- o increasing basin capacity
- o extension of Master Plan trunk lines
- o improvement of flow regulation/control system as the system grows and becomes more complex

Related Projects

Project Number: MSD018

Estimated Costs

<u>Item</u>	<u>Amount</u>	<u>Date of Estimate</u>	<u>ENR Index</u>	<u>Updated Cost for:</u>	<u>Jan-89</u>
				<u>ENR Index:</u>	<u>4623</u>
Prelim Eng:					
EIR:					
Rights of Way:					
Easements:					
Consultants:					
Design Eng.: (\$4,000/yr x 20 yrs	80,000	Jun-88	4525		\$ 82,000
Construction:					
Other:					

Total Cost: \$ 82,000

Remarks

Design Engineering shown separately if anticipated to be budgeted prior to construction; if not, it is included in construction.

Construction includes contract administration & inspection unless shown otherwise.

City of Lodi
Capital Improvement Program

Lodi Ave. Storm Drain
600' E/Cluff Ave. to Guild Ave.

Project Description

This project includes the installation of approximately 600 LF of 30" storm drain and manholes.
 The line will extend east from the existing 30" trunk line located in Lodi Ave. east of Cluff Ave.

Related Projects

Project Number: MSD019

Estimated Costs

<u>Item</u>	<u>Amount</u>	<u>Date of Estimate</u>	<u>ENR Index</u>	<u>Updated Cost for:</u>	<u>Jan-89</u>
				<u>ENR Index:</u>	<u>4623</u>
Prelim Eng:					
EIR:					
Rights of Way:					
Easements:					
Consultants:					
Design Eng.:					
Construction:	30,500	Jun-88	4525		\$ 31,000
Other:					

Total Cost: \$ 31,000

Remarks

Design Engineering shown separately if anticipated to be budgeted prior to construction; if not, it is included in construction.
 Construction includes contract administration & inspection unless shown otherwise.