

000011

COMMITTEE ACTION SHEET

100
7/17

COUNCIL DOCKET OF July 17, 2007

Supplemental
 Adoption
 Consent
 Unanimous Consent
Rules Committee Consultant Review

R -

O -

Fiscal Year 2007 Cast Iron Main Replacement Projects (Water Group 530)

Reviewed
 Initiated
By NR&C
On 2/21/07
Item No. 1

RECOMMENDATION TO:

Information only. No vote or action taken.

VOTED YEA: N/A

VOTED NAY: N/A

NOT PRESENT: N/A

CITY CLERK: Please reference the following reports on the City Council Docket:

REPORT TO THE CITY COUNCIL NO.

COUNCIL COMMITTEE CONSULTANT ANALYSIS NO.

OTHER:

Executive Summary Sheet dated February 14, 2007; Engineering and Capital Projects' February 21, 2007, PowerPoint

COUNCIL COMMITTEE CONSULTANT



000013

DATE REPORT ISSUED:	February 14, 2007	REPORT NO.
ATTENTION:	Natural Resources and Culture Committee Chair and Council Members	
ORIGINAL DEPT.:	Engineering and Capital Projects, Water & Sewer Design Division	
SUBJECT:	Fiscal Year 2007 Cast Iron Water Main Replacement Projects	
COUNCIL DISTRICTS:	City Wide	
STAFF CONTACT:	J. Nagelvoort (619) 533-5100	

REQUESTED ACTION:

No action, informational item only.

STAFF RECOMMENDATION:

None, informational item only.

EXECUTIVE SUMMARY:

As part of the City of San Diego's Cast Iron (CI) Water Main Replacement Program as mandated by the Department of Health Services (DHS) Compliance Order No. 04-14-96-022, the projects listed below are scheduled to be awarded before the end of fiscal year 2007. The DHS Compliance Order requires that the City of San Diego award contracts for construction of at least ten (10) miles of CI Water Main replacement each fiscal year. The accumulated total for CI replacement of all the subject projects is 12.4 miles. The age of the CI mains being replaced varies approximately from 55 to 90 years old. The projects are located in Council Districts 1, 2, 3, 6, and 7. The scope-of-work for each project varies. However, they typically include CI main replacement, water services, fire hydrants, curb ramp installations, and street repair.

Fiscal Year 2007 Cast Iron Water Main Replacement Projects:

- Water Group 521
- 4th Avenue Accelerate Water
- Sewer & Water Group 741 Change Order
- Water Group 3000
- Water Group 3001
- Water Group 682
- Water Group 3003
- Water Group 3002
- Water Group 3004
- Water Group 530

FISCAL CONSIDERATIONS:

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The total project cost estimate and funding source for each of the Fiscal Year 2007 Cast Iron Water Main Replacement Projects is listed below. Water Group 521, 4th Ave Accelerate Water, Sewer & Water Group 741 CO, Water Group 3000, and Water Group 3001 are Non-Phase Funded Contracts that are not depended on potential revenue from Water Revenue Bonds issued in August 2007. All of other Fiscal Year 2007 Cast Iron Water Replacement Projects will be Phase Funded Contracts, and it is anticipated that a portion their funding is dependent on Water Revenue Bonds issued in August 2007.

- Water Group 521: Total project estimated cost is \$1,689,128, of which all is cash funded.
- 4th Avenue Accelerate Water: Total project estimated cost is \$707,506, of which all is cash funded.
- Sewer & Water Group 741 Change Order: Total project estimated cost (water portion only) is \$656,109, of which all is cash funded.
- Water Group 3000: Total project estimated cost is \$5,625,556. \$3,937,889.20 will be financed with proceeds from the Subordinated Water Revenue Notes, Series 2007A. The remaining \$1,687,666.80 will be cash funded.
- Water Group 3001: Total project estimated cost is \$4,810,779 for the projects. \$3,367,545.30 will be financed with proceeds from the Subordinated Water Revenue Notes, Series 2007A. The remaining \$1,443,233.70 will be cash funded.
- Water Group 682: Total project estimated cost is \$2,316,152 for the projects. \$526,404.20 will be financed with proceeds from the Subordinated Water Revenue Notes, Series 2007A and \$1,251,316.80 from currently anticipated to be Water Revenue Bonds issued in August 2007. The remaining \$538,431 will be cash funded.
- Water Group 3003: Total project estimated cost is \$4,000,000 for the project. \$731,500 will be financed with proceeds from the Subordinated Water Revenue Notes, Series 2007A and \$2,364,000 from currently anticipated to be Water Revenue Bonds issued in August 2007. The remaining \$904,500 will be cash funded.
- Water Group 3002: Total project estimated cost is \$6,777,266 for the projects. \$1,611,883 will be financed with proceeds from the Subordinated Water Revenue Notes, Series 2007A and \$3,579,660.80 from currently anticipated to be Water Revenue Bonds issued in August 2007. The remaining \$1,585,722.20 will be cash funded.
- Water Group 3004: Total project estimated cost is \$3,903,000 for the projects. \$726,460 will be financed with proceeds from the Subordinated Water Revenue Notes, Series 2007A and \$2,292,160 from currently anticipated to be Water Revenue Bonds issued in August 2007. The remaining \$884,380 will be cash funded.
- Water Group 530: Total project estimated cost is \$2,553,543 requested for this project, \$439,026.70 will be financed with proceeds from the Subordinated Water Revenue Notes, Series 2007A and \$1,541,089.60 from currently anticipated to be Water Revenue Bonds issued in August 2007. The remaining \$573,426.70 will be cash funded.

PREVIOUS COUNCIL AND COMMITTEE ACTIONS:

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All Fiscal Year 2007 Cast Iron Water Replacement Projects will be presented to City Council for approval, with the exception of 4th Avenue Accelerate. Also, depending on the nature of the impacts of the projects either an Environmental Exemption or a Mitigated Negative Declaration along with a Mitigation, Monitoring, and Reporting Program was prepared.

COMMUNITY PARTICIPATION AND PUBLIC OUTREACH EFFORTS:

During the Design Phase the Fiscal Year 2007 Cast Iron Water Main Replacement Projects were presented to the effected Community Planning Committees. Once financing is approved for each project, the effected community will be updated on the project. In addition, residents and businesses will be notified by mail by the City's Engineering and Capital Projects Department at least one (1) month before construction begins and again ten (10) days before construction begins by the Contractor through hand distribution of notices.

KEY STAKEHOLDERS & PROJECTED IMPACTS (if applicable):

The citizens of the City of San Diego will encounter inconveniences during construction. After completion, residents will experience improved reliability of the water distribution system.

Patti Boekamp, Originating Department

Attachments: Fiscal Year 2007 Cast Iron Water Replacement Projects Map

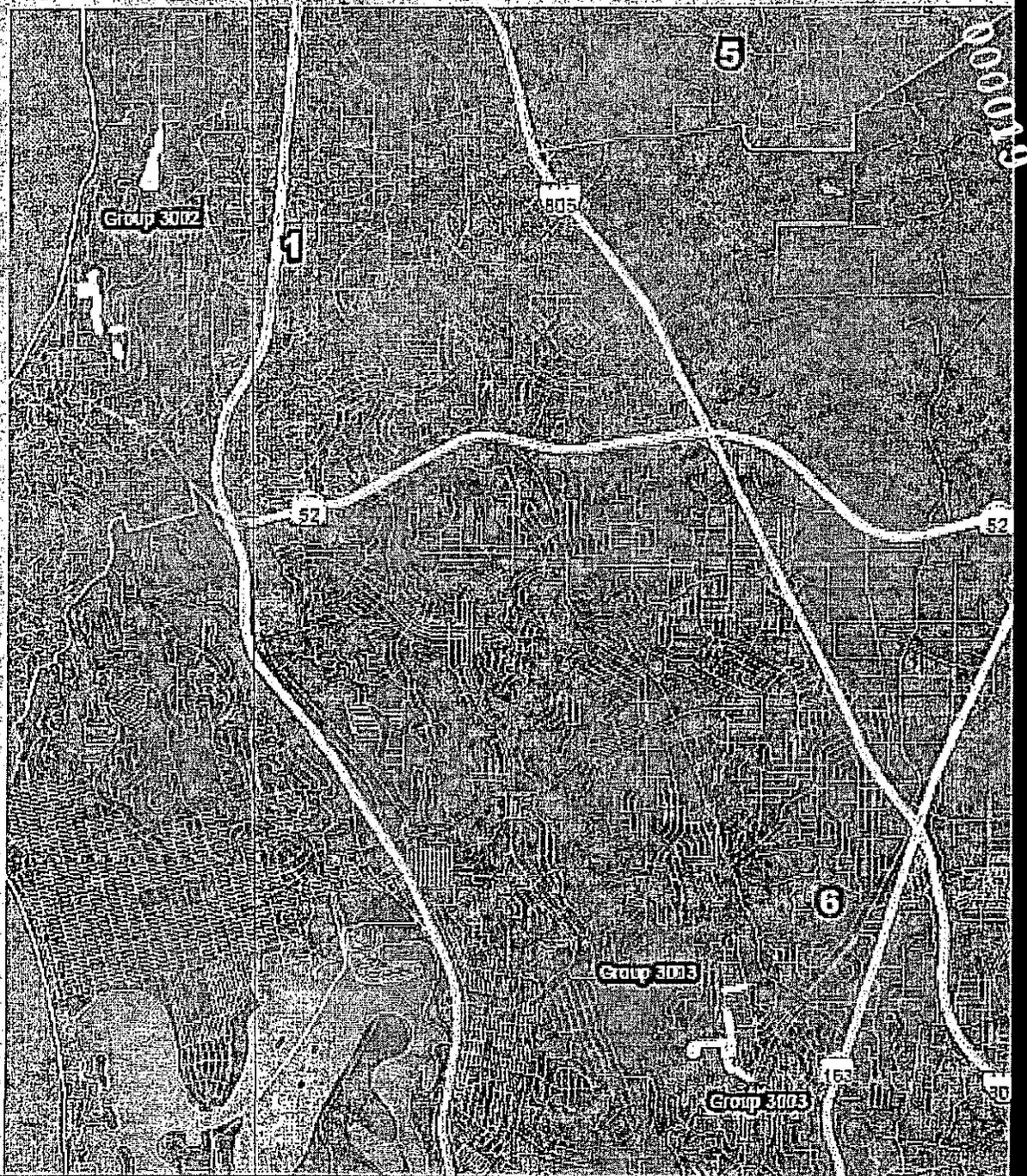
**FISCAL YEAR 2007
CAST IRON WATER MAIN
REPLACEMENT PROJECTS**

Program Goals

- Replace old deteriorated cast iron water mains to improve the reliability of the water distribution system.
- Department of Health Services (DHS) Compliance Order

Projects & Locations

Water Group 3003
Water Group 3002



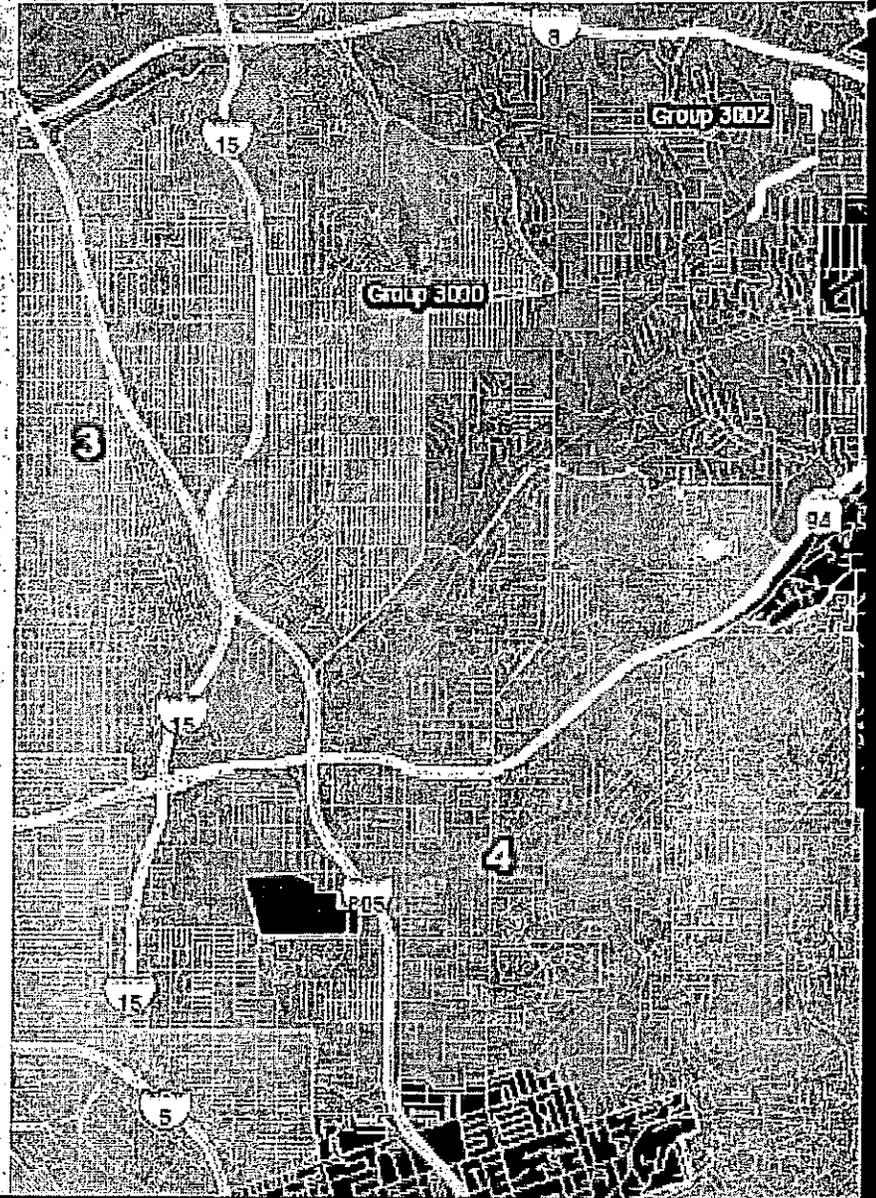
Projects & Locations

Water Group 521
4th Ave Accel Water
S&W Group 741 CO
Water Group 3000
Water Group 3001
Water Group 682
Water Group 3004
Water Group 530



Projects & Locations

Water Group 3000
Water Group 3002



Projects, General Information

- Total Number of Contracts: *10*
- Total Length of the CI Water Main Replacement: *12.4 miles*
- Total Estimated Cost for All 10 Projects: *\$30 million*
- Typical Project Scope: *CI water main replacement, water services, fire hydrants, curb ramps, street repair, and other various upgrades to the water distribution system.*
- Location: *Council Districts 1, 2, 3, 6, & 7*
- Environmental: *Environmental Exemption or Mitigated Negative Declaration*

Funding Sources

- ☾ Cash Funded
- ☾ Subordinated Water Revenue Notes, Series 2007A
- Future Water Revenue Bonds

Final Steps

- Finalize Construction Contracts
- Complete Environmental Permits
- Obtain the Project Funds
- Council Approval
- Notify Stakeholders
- Award the Contracts

000025

REQUEST FOR COUNCIL ACTION
CITY OF SAN DIEGO

1. CERTIFICATE NUMBER (FOR AUDITOR'S USE) 10-0
N/A 7/17
3. DATE: December 14, 2006

TO: CITY ATTORNEY

2. FROM (ORIGINATING DEPARTMENT): ENGINEERING & CAPITAL PROJECTS

4. SUBJECT: Advertise and Award of Water Group 530

5. PRIMARY CONTACT (NAME, PHONE, & MAIL STA.) James Nagelvoort (619) 533-5100 MS908A
6. SECONDARY CONTACT (NAME, PHONE, & MAIL STA.) Carl Spier (619) 533-5126 MS908A
7. CHECK BOX IF REPORT TO COUNCIL IS ATTACHED

8. COMPLETE FOR ACCOUNTING PURPOSES

FUND	41500	41500			9. ADDITIONAL INFORMATION / ESTIMATED COST: Fund 41500 Current \$10,315 Phase 1 \$659,921 Phase 2 \$1,926,362 Total Project \$2,596,598 Less Prev. Auth. \$ -10,315 Total Request \$2,586,283
DEPT.	760	760			
ORGANIZATION	391040	391040			
OBJECT ACCOUNT	4220	4226			
JOB ORDER	183324	183325			
C.I.P. NUMBER	73-083.0/73-847.0	73-083.0/73-847.0			
AMOUNT	\$2,274,497	\$311,786			

10. ROUTING AND APPROVALS

ROUTE (#)	APPROVING AUTHORITY	APPROVAL SIGNATURE	DATE SIGNED	ROUTE (#)	APPROVING AUTHORITY	APPROVAL SIGNATURE	DATE SIGNED
1	ORIG. DEPT	<i>[Signature]</i>	1/2/07	8	DEPUTY CHIEF	<i>[Signature]</i>	6-6-07
2	WD	APPROVAL SIGNATURES ON FILE		9	C.O.O.	<i>[Signature]</i>	6/16/07
3	E.A.S.			10	CITY ATTORNEY	<i>[Signature]</i>	6/26/07
4	E.O.C.P.			11	ORIG. DEPT	<i>[Signature]</i>	6/26/07
5	DOCKET LIAISON	<i>[Signature]</i>	7/19/07	DOCKET COORD: _____ COUNCIL LIAISON _____			
6	FM CIP	<i>[Signature]</i>	5/22/07	COUNCIL PRESIDENT <input type="checkbox"/> SPOB <input type="checkbox"/> CONSENT <input checked="" type="checkbox"/> ADOPTION <input type="checkbox"/>			
7	AUDITOR	<i>[Signature]</i>	6/4/07	REFER TO: _____ COUNCIL DATE: 7/17/07			

11. PREPARATION OF: RESOLUTIONS ORDINANCE(S) AGREEMENT(S) DEED(S)

1. Approving the plans and specifications for the construction of Water Group 530 as advertised by Purchasing & Contracting Department; and

(Please see the other side.)

11A. STAFF RECOMMENDATIONS: Adopt the Resolutions.

12. SPECIAL CONDITIONS (REFER TO A.R. 3.20 FOR INFORMATION ON COMPLETING THIS SECTION.)

COUNCIL DISTRICT: 2 (Faulconer)

COMMUNITY AREA: Peninsula

ENVIRONMENTAL IMPACT: This activity is covered under Project No. 94-0663, dated May 19, 1995, certified by City Council on 05/04/98 by Resolution R-290050). The activity is adequately addressed in the environmental document and there is no change in circumstance, additional information, or project changes to warrant additional environmental review. Because the prior environmental document adequately covered this activity as part of the previously approved project, the activity is not a separate project for purposes of CEQA review pursuant to State CEQA Guidelines Section §15060(c)(3).

HOUSING IMPACT: None.

ATTACHMENTS: Location Map, Project Cost Estimate, Plans and Specifications, and Mitigate Negative Declaration.

CITY CLERK INSTRUCTIONS: Upon Council approval, please forward **two (2) copies** of the 1472 and Resolution(s) to Account Clerk Joanne Dinjotian at Water & Sewer Design Division, M.S. 908A.

000026

REQUEST FOR COUNCIL ACTION

CITY OF SAN DIEGO

1. CERTIFICATE NUMBER (FOR AUDITOR'S USE ONLY)

TO: CITY ATTORNEY

2. FROM (ORIGINATING DEPARTMENT): ENGINEERING & CAPITAL PROJECTS

3. DATE: December 14, 2006

4. SUBJECT: Advertise and Award of Water Group 530

5. PRIMARY CONTACT (NAME, PHONE, & MAIL STA.) James Nagelvoort (619) 533-5100 MS908A 6. SECONDARY CONTACT (NAME, PHONE, & MAIL STA.) Carl Spier (619) 533-5126 MS908A 7. CHECK BOX IF REPORT TO COUNCIL IS ATTACHED []

8. COMPLETE FOR ACCOUNTING PURPOSES

Table with columns: FUND, DEPT., ORGANIZATION, OBJECT ACCOUNT, JOB ORDER, C.I.P. NUMBER, AMOUNT, and 9. ADDITIONAL INFORMATION / ESTIMATED COST: (Fund 41500, Current \$10,315, Phase 1 \$659,921, Phase 2 \$1,926,362, Total Project \$2,596,598, Less Prev. Auth. \$ -10,315, Total Request \$2,586,283)

10. ROUTING AND APPROVALS

Routing and Approvals table with columns: ROUTE (#), APPROVING AUTHORITY, APPROVAL SIGNATURE, DATE SIGNED, and checkboxes for COUNCIL COORD, COUNCIL LIAISON, COUNCIL PRESIDENT, SPOB, CONSENT, ADOPTION, REFER TO, COUNCIL DATE.

11. PREPARATION OF: [X] RESOLUTIONS [] ORDINANCE(S) [] AGREEMENT(S) [] DEED(S)

1. Approving the plans and specifications for the construction of Water Group 530 as advertised by Purchasing & Contracting Department; and

(Please see the other side.)

11A. STAFF RECOMMENDATIONS: Adopt the Resolutions.

12. SPECIAL CONDITIONS (REFER TO A.R. 3.20 FOR INFORMATION ON COMPLETING THIS SECTION.)

COUNCIL DISTRICT: 2 (Faulconer)

COMMUNITY AREA: Peninsula

ENVIRONMENTAL IMPACT: This activity is covered under Project No. 94-0663, dated May 19, 1995, certified by City Council on 05/04/98 by Resolution R-290050). The activity is adequately addressed in the environmental document and there is no change in circumstance, additional information, or project changes to warrant additional environmental review. Because the prior environmental document adequately covered this activity as part of the previously approved project, the activity is not a separate project for purposes of CEQA review pursuant to State CEQA Guidelines Section §15060(c)(3).

HOUSING IMPACT: None.

ATTACHMENTS: Location Map, Project Cost Estimate, Plans and Specifications, and Mitigate Negative Declaration.

CITY CLERK INSTRUCTIONS: Upon Council approval, please forward two (2) copies of the 1472 and Resolution(s) to Account Clerk Joanne Dinjotian at Water & Sewer Design Division, M.S. 908A.

000027

WSD 07-007

REQUEST FOR COUNCIL ACTION
CITY OF SAN DIEGO

1. CERTIFICATE NUMBER
(FOR AUDITOR'S USE ONLY)

TO: CITY ATTORNEY

2. FROM (ORIGINATING DEPARTMENT):
ENGINEERING & CAPITAL PROJECTS

3. DATE:
December 14, 2006

4. SUBJECT:
Advertise and Award of Water Group 530

5. PRIMARY CONTACT (NAME, PHONE, & MAIL STA.)
James Nagelvoort (619) 533-5100 MS908A

6. SECONDARY CONTACT (NAME, PHONE, & MAIL STA.)
Carl Spier (619) 533-5126 MS908A

7. CHECK BOX IF REPORT TO COUNCIL IS ATTACHED

8. COMPLETE FOR ACCOUNTING PURPOSES

FUND	41500	41500		
DEPT.	760	760		
ORGANIZATION	391040	391040		
OBJECT ACCOUNT	4220	4226		
JOB ORDER	183324	183325		
C.I.P. NUMBER	73-083.0/73-847.0	73-083.0/73-847.0		
AMOUNT	\$2,274,497	\$311,786		

9. ADDITIONAL INFORMATION / ESTIMATED COST:

Fund 41500	
Current	\$10,315
Phase 1	\$659,921
Phase 2	\$1,926,362
Total Project	\$2,596,598
Less Prev. Auth.	\$ -10,315
Total Request	\$2,586,283

10. ROUTING AND APPROVALS

ROUTE (#)	APPROVING AUTHORITY	APPROVAL SIGNATURE	DATE SIGNED	ROUTE (#)	APPROVING AUTHORITY	APPROVAL SIGNATURE	DATE SIGNED
1	ORIG. DEPT	<i>[Signature]</i>	1/2/07	8	DEPUTY CHIEF		
2	WD			9	C.O.O.		
3	E.A.S.	<i>[Signature]</i>	5/2/07	10	CITY ATTORNEY		
4	ECCP			11	ORIG. DEPT		
5	DOCKET LIAISON	<i>[Signature]</i>	7/19/07	DOCKET COORD: _____ COUNCIL LIAISON _____			
6	FM CIP			<input checked="" type="checkbox"/> COUNCIL PRESIDENT <input type="checkbox"/> SPOB <input type="checkbox"/> CONSENT <input type="checkbox"/> ADOPTION <input type="checkbox"/> REFER TO: _____ COUNCIL DATE: _____			
7	AUDITOR						

11. PREPARATION OF: RESOLUTIONS ORDINANCE(S) AGREEMENT(S) DEED(S)

1. Approving the plans and specifications for the construction of Water Group 530 as advertised by Purchasing & Contracting Department; and

(Please see the other side.)

11A. STAFF RECOMMENDATIONS: Adopt the Resolutions.

12. SPECIAL CONDITIONS (REFER TO A.R. 3.20 FOR INFORMATION ON COMPLETING THIS SECTION.)

COUNCIL DISTRICT: 2 (Faulconer)

COMMUNITY AREA: Peninsula

ENVIRONMENTAL IMPACT: This activity is covered under Project No. 94-0663, dated May 19, 1995, certified by City Council on 5/04/98 by Resolution R-290050). The activity is adequately addressed in the environmental document and there is no change in circumstance, additional information, or project changes to warrant additional environmental review. Because the prior environmental document adequately covered this activity as part of the previously approved project, the activity is not a separate project for purposes of CEQA review pursuant to State CEQA Guidelines Section §15060(c)(3).

HOUSING IMPACT: none.

ATTACHMENTS: Location Map, Project Cost Estimate, Plans and Specifications, and Mitigate Negative Declaration.

CITY CLERK INSTRUCTIONS: Upon Council approval, please forward two (2) copies of the 1472 and Resolution(s) to Account Clerk Joanne Dinjotian at Water & Sewer Design Division, M.S. 908A.

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REQUEST FOR COUNCIL ACTION
CITY OF SAN DIEGO

1. CERTIFICATE NUMBER
(FOR AUDITOR'S USE ONLY)

TO: CITY ATTORNEY

2. FROM (ORIGINATING DEPARTMENT):
ENGINEERING & CAPITAL PROJECTS

3. DATE:
December 14, 2006

4. SUBJECT:
Advertise and Award of Water Group 530

5. PRIMARY CONTACT (NAME, PHONE, & MAIL STA.) James Nagelvoort (619) 533-5100 MS908A
6. SECONDARY CONTACT (NAME, PHONE, & MAIL STA.) Carl Spier (619) 533-5126 MS908A
7. CHECK BOX IF REPORT TO COUNCIL IS ATTACHED

8. COMPLETE FOR ACCOUNTING PURPOSES

FUND	41500	41500			9. ADDITIONAL INFORMATION / ESTIMATED COST:
DEPT.	760	760			Fund 41500
ORGANIZATION	391040	391040			Current \$10,315
OBJECT ACCOUNT	4220	4226			Phase 1 \$659,921
JOB ORDER	183324 ✓	183325			Phase 2 \$1,926,362
C.I.P. NUMBER	73-083.0/73-847.0	73-083.0/73-847.0			Total Project \$2,596,598
AMOUNT	\$2,274,497	\$279,046			Less Prev. Auth. \$ -10,315
					Total Request \$2,586,283

10. ROUTING AND APPROVALS

ROUTE (#)	APPROVING AUTHORITY	APPROVAL SIGNATURE	DATE SIGNED	ROUTE (#)	APPROVING AUTHORITY	APPROVAL SIGNATURE	DATE SIGNED
1	ORIG. DEPT	<i>[Signature]</i>	1/2/07	8	DEPUTY CHIEF		
2	WD			9	C.O.O.		
3	E.A.S.			10	CITY ATTORNEY	<i>[Signature]</i>	4/26/07
4	EOCP	<i>[Signature]</i>	2/5/07	11	ORIG. DEPT		
5	DOCKET LIAISON			DOCKET COORD: _____ COUNCIL LIAISON _____			
6	FM CIP			<input checked="" type="checkbox"/> COUNCIL PRESIDENT <input type="checkbox"/> SPOB <input type="checkbox"/> CONSENT <input type="checkbox"/> ADOPTION <input type="checkbox"/> REFER TO: _____ COUNCIL DATE: _____			
7	AUDITOR						

11. PREPARATION OF: RESOLUTIONS ORDINANCE(S) AGREEMENT(S) DEED(S)

1. Approving the plans and specifications for the construction of Water Group 530 as advertised by Purchasing & Contracting Department; and

(Please see the other side.)

11A. STAFF RECOMMENDATIONS: Adopt the Resolutions.

12. SPECIAL CONDITIONS (REFER TO A.R. 3.20 FOR INFORMATION ON COMPLETING THIS SECTION.)

COUNCIL DISTRICT: 2 (Faulconer)

COMMUNITY AREA: Peninsula

ENVIRONMENTAL IMPACT: This activity is covered under Project No. 94-0663, dated May 19, 1995, certified by City Council on 05/04/98 by Resolution R-290050). The activity is adequately addressed in the environmental document and there is no change in circumstance, additional information, or project changes to warrant additional environmental review. Because the prior environmental document adequately covered this activity as part of the previously approved project, the activity is not a separate project for purposes of CEQA review pursuant to State CEQA Guidelines Section §15060(c)(3).

HOUSING IMPACT: None.

ATTACHMENTS: Location Map, Project Cost Estimate, Plans and Specifications, and Mitigate Negative Declaration.

CITY CLERK INSTRUCTIONS: Upon Council approval, please forward two (2) copies of the 1472 and Resolution(s) to Account Clerk Joanne Dinjotian at Water & Sewer Design Division, M.S. 908A.

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SECTION 11 – PREPARATION OF: RESOLUTIONS, ORDINANCES, ETC. (CONTINUED):

2. Authorizing the expenditure of \$2,586,283 from Water Fund 41500, CIP No. 73-083.0, Annual Allocation – Water Main Replacement, for the construction, contingency, and project related costs, provided that the City Auditor first furnishes one or more certificates certifying that funds necessary for expenditure under established contract funding phases are, or will be, on deposit with the City Treasurer; and
3. Authorizing the Mayor or his designee to establish contract funding phases and execute a construction contract with the lowest responsible and reliable bidder contingent upon the City Auditor and Comptroller first furnishing one or more certificates certifying that funds necessary for expenditure under established contract funding phases are, or will be, on deposit with the City Treasurer, and authorizing the Auditor and Comptroller to return excess budgeted funds to the appropriate reserve; and
4. Authorizing the use of City Force Work in an amount not to exceed \$311,786 from Water Fund 41500, CIP No. 73-083.0, Annual Allocation – Water Main Replacement, for the construction of Sub-CIP No. 73-847.0, Water Group 530.

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EXECUTIVE SUMMARY SHEET

DATE REPORT ISSUED: December 14, 2006 REPORT NO.
 ATTENTION: Council President and City Council
 ORIGINAL DEPT.: Engineering and Capital Projects, Water and Sewer Design Division
 SUBJECT: Advertise and Award of Water Group 530
 COUNCIL DISTRICT : (2) Faulconer
 STAFF CONTACT: J. Nagelvoort (619) 533-5100/Carl Spier (619) 533-5126

REQUESTED ACTION:

Council authorization to advertise and award this construction contract.

STAFF RECOMMENDATIONS:

- Approve the plans and specifications for the construction of Water Group 530 as advertised by Purchasing & Contracting Department.
- Authorize the Mayor or his designee to execute a construction contract with the lowest responsible and reliable bidder.
- Approve and authorize to expend \$2,596,598 from Water Fund 41500, CIP No. 73-083.0, Annual Allocation – Water Main Replacement, for the construction, contingency, and project related costs.
- Approve and authorize an expenditure not to exceed \$311,786 from Water Fund 41500, CIP No. 73-083.0, Annual Allocation – Water Main Replacement, for City Force Work. State for the record that the final MND has been reviewed and considered prior to approving the project; direct the City Clerk to file a Notice of Determination.

EXECUTIVE SUMMARY:

Water Group 530 is part of the City of San Diego's Cast Iron (CI) Water Main Replacement Program as mandated by Department of Health Services Compliance Order No. 04-14-96-022. This project is located in the Peninsula community. It includes the replacement of approximately 5,200 linear feet of existing 6, 8 and 12-inch old and deteriorated cast iron (CI) water mains, water services and fire hydrants originally installed in 1939, and 400 linear feet of asphalt concrete (AC) water mains installed in 1967. This project includes installing curb ramps and street resurfacing. Rosecrans Street will be affected by the construction operations as shown on the attached project location map.

As indicated in the Engineer's Project Cost Estimate for the use of City Forces it is estimated to be more economical than if done by contract. In addition, the Department of Health Services (DHS) under the California Safe Drinking Water Act requires certified operators to perform this type of work (work on live water mains) to ensure the integrity of the water system.

Water Group 530 was reviewed pursuant to CEQA §21166 and §15162 of the CEQA Guidelines. It was determined that there were no substantial changes to the project or to circumstances surrounding the project. No additional information has been provided that was not known and could not have been known at the time the environmental document was certified. The only change to the project was the reduction of the scope of work which negated the potential impacts to paleontological resources. In summary, since none of the above mentioned events have occurred, a subsequent or supplemental environmental document was not prepared. However, contract documents include current mitigation requirements for paleontology because the original MND was previously adopted on May 14, 1998.

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FISCAL CONSIDERATIONS:

The total estimated cost of this project is \$2,596,598, including \$10,315 previously authorized by R-292772. Of the \$2,586,283 requested for the project, \$439,026.70 will be financed with proceeds from the Subordinated Water Revenue Notes, Series 2007A and \$1,541,089.60 from currently anticipated to be a follow on water revenue debt issuance in Fiscal Year 2008. The remaining \$573,426.70 will be cash funded. Funds are available in Fund 41500, CIP 73-083.0, Annual Allocation – Water Main Replacement, for this purpose. This project will be phase-funded in FY 07 and FY 08. No future funding is anticipated. Auditors Certificate to be issued prior to contact award.

PREVIOUS COUNCIL AND COMMITTEE ACTIONS:

The subject was presented to NR&C Committee for information only on February 21, 2007. The City of San Diego, as Lead Agency under CEQA, has prepared and completed a Mitigated Negative Declaration and a Mitigation, Monitoring and Reporting Program covering the environmental impact, Dept. 94-0663, dated May 19, 1995 and adopted May 4, 1998; R-290050.

COMMUNITY PARTICIPATION AND PUBLIC OUTREACH EFFORTS:

During design, this project was presented to the community at the Peninsula Community Planning Committee on February 11, 1999. Nearby residents will be notified by mail by the City's Engineering and Capital Projects Department at least one (1) month before construction begins and again ten (10) days before construction begins by the contractor through hand distribution of notices. Traffic control plans have been prepared for this project and will be implemented during construction. Once financing has been approved, the community will be updated on the project.

KEY STAKEHOLDERS & PROJECTED IMPACTS:

The citizens of the City of San Diego will encounter inconveniences during construction. After completion, residents will experience improved reliability of the water distribution system.


Originating Department


Deputy Chief/Chief Operating Officer

000033

PROJECT COST ESTIMATE

Water Group 530
 Peninsula Community
 Council District 2
 (Project Title)

Agreement _____
 Advertise x
 Award/Amend _____

Prepared by: Nabil Batta
 Date: December 13, 2006
 W.O. No. 183324

ACTIVITY	% OF E	CIP NO. OR OTHER SOURCE OF FUNDS				TOTALS	% OF E
		Current 73-847.0	FY07 - Ph-1 73-847.0	FY08 - Ph-2 73-847.0	TOTAL		
A. Planning/Design/Administration							
4114 Preliminary Engineering	3.66%		95,000.00	0.00	95,000.00		
4115 Outside Engir	0.00%		0.00		0.00		
4116 Construction Engineering	9.82%		76,500.00	178,500.00	255,000.00		
4118 Engineering Design	0.40%	10,315.00		0.00	10,315.00		
41181 Engineering Design #2	0.00%				0.00		
4119 Environ. Impact Studies	0.00%				0.00		
4151 Professional Services	0.00%				0.00		
4159 Construction Management	0.00%				0.00		
4240 Reimbursement Agreements	0.00%				0.00		
Total Planning/Design/Administration		10,315.00	171,500.00	178,500.00	360,315.00	360,315.00	13.87%
B. Construction							
4150 Safety	0.00%				0.00		
4220 Prime Construction Contract	70.59%		378,213.00	1,454,641.00	1,832,854.00		
42201 Construction Contract #2	0.00%				0.00		
42220 JOC	0.00%				0.00		
4226 City Forces Work	12.01%		110,208.00	201,578.00	311,786.00		
4810 OCIP / Professional Liability	0.00%				0.00		
4981 SDDPC Support	0.00%				0.00		
Total Construction			488,421.00	1,656,219.00	2,144,640.00	2,144,640.00	82.59%
C. Equipment and Furnishings							
3316 Pipe Fittings	0.00%				0.00		
4922 Construction Related	0.00%				0.00		
Total Equipment and Furnishings		0.00	0.00	0.00	0.00	0.00	0.00%
D. Contingencies							
4905 Contingencies	3.53%	0.00	0.00	91,643.00	91,643.00		
4909 Pooled Contingencies	0.00%				0.00		
Total Contingencies		0.00	0.00	91,643.00	91,643.00	91,643.00	3.53%
SUBTOTAL		10,315.00	659,921.00	1,926,362.00	2,596,598.00	2,596,598.00	99.99%
E. Equipment & Furninshings							
4922 Equipment & Furnishings					0.00	0.00	
F. Land Aquisition							
4638 Land Acquisition					0.00	0.00	
TOTAL PRO.		10,315.00	659,921.00	1,926,362.00	2,596,598.00	2,596,598.00	

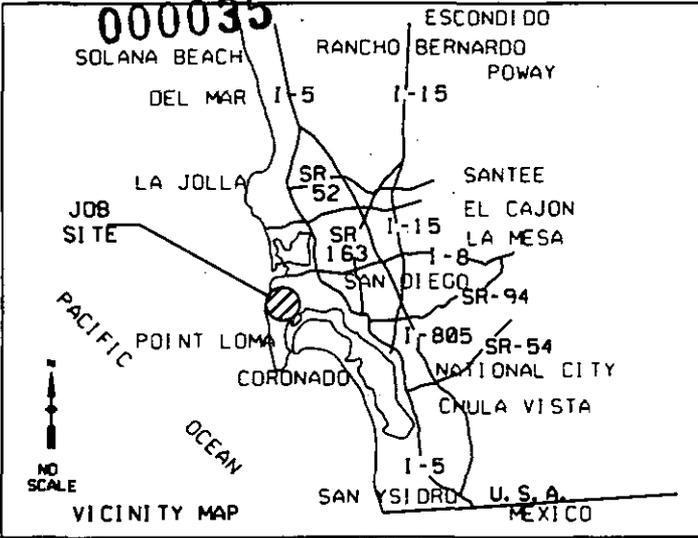
(When Applicable)		
SAVINGS BY USE OF CITY FORCES		
	City Forces	Contract
Labor	\$202,661	\$225,205
Material	\$62,357	\$69,294
Equip.	\$46,768	\$51,970
Profit	\$0	\$0
TOTAL	\$311,786	\$346,469

Prev. Auth. Res. #	R-292772	10,315.00
Prev. Auth. Res. #		
Total Previous Authorized		10,315.00
ADDITIONAL AUTH. REQUIRED		2,586,283.00

FUNDING:		41500	
CIP NO.		73-083.0/73-847.0	
Programmed			
Uncom. Balance			
THIS REQUEST			2,586,283.00

COMMENTS: FY07 Transfer in the amount of \$489,496 will come from AA-730830; \$148,000 is available in account 4279 in the sublet.

000035



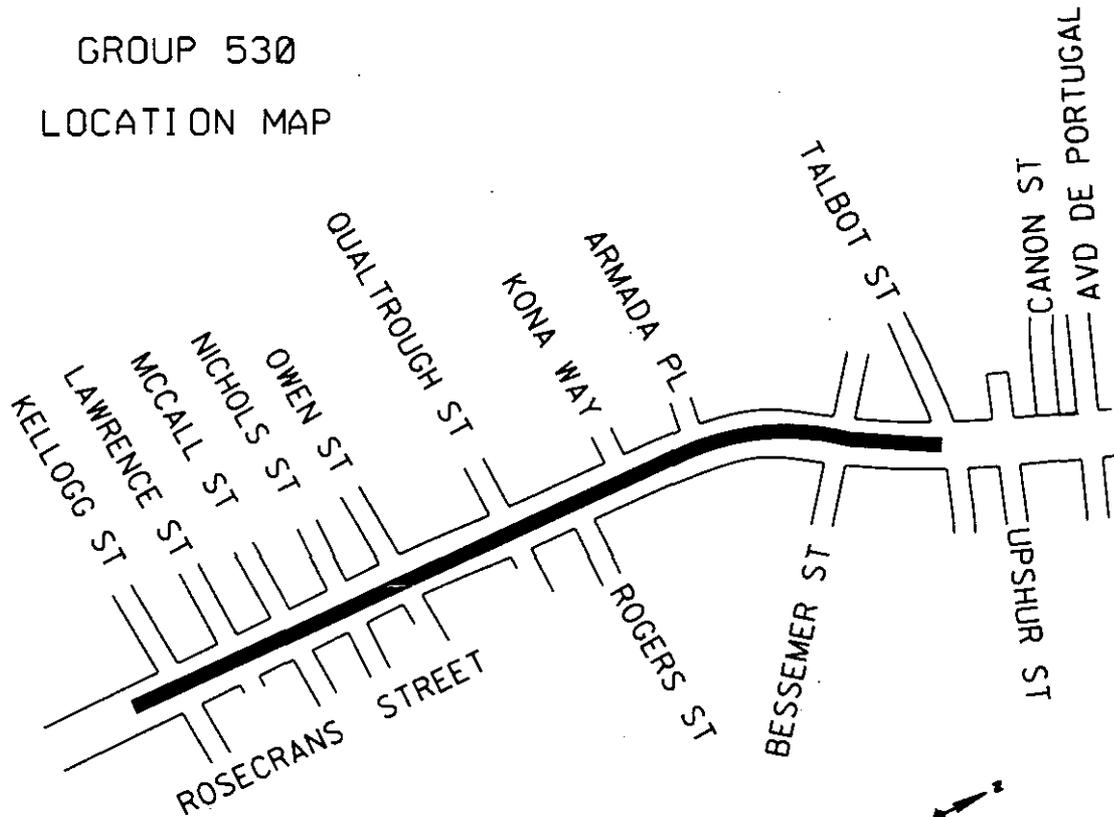
PROJECT ENGINEER
 BETH WALES
 ☎ 619-533-5496

SENIOR ENGINEER
 CARL SPIER
 ☎ 619-533-5126

PROJECT MANAGER
 NABIL BATTA
 ☎ 619-533-5191

PUBLIC INFO. OFFICER
 STAFF
 ☎ 619-533-4207

WATER MAIN
 REPLACEMENT
 GROUP 530
 LOCATION MAP



LEGEND:

█ WATER MAIN REPLACEMENT

03-06-06 ENW

COMMUNITY PLAN 30 (PENINSULA) • COUNCIL DISTRICT 2 • CIP# 73-847.0

000037

CEQA §21166 REVIEW FOR GROUP JOB 530

Group Job 530 was submitted by ECP to EAS for CEQA compliance review. An MND for the project was finalized on 5/19/95 and approved by City Council on 5/4/98. Pursuant to CEQA §21166 supplemental or subsequent environmental documents would not be required unless the following events occur: (a) substantial changes are proposed in the project which will require major revisions of the environmental impact report. (b) substantial changes occur with respect to the circumstances under which the project is being undertaken which will require major revisions in the environmental impact report. (c) new information which was not known and could not have been known at the time the environmental report was certified as complete, becomes available.

Group Job 530 was reviewed pursuant to CEQA §21166 and §15162 of the CEQA Guidelines. It was determined that there were no substantial changes to the project or to circumstances surrounding the project. No additional information has been provided that was not known and could not have been known at the time the environmental document was certified. The only change to the project was the reduction of the scope of work which negated the potential impacts to paleontological resources. In summary, since none of the above mentioned events have occurred, a subsequent or supplemental environmental document would not be prepared.

000039

RESOLUTION NUMBER R-_____

DATE OF FINAL PASSAGE _____

RESOLUTION APPROVING PLANS AND SPECIFICATIONS,
AUTHORIZING THE EXPENDITURE OF FUNDS, AND
AWARDING OF CONTRACT REGARDING WATER GROUP
530

WHEREAS, Water Group 530 [Project] is part of the City of San Diego's Cast Iron Water Main Replacement Program as mandated by the Department of Health Services Compliance Order NO. 04-14-96-022;

WHEREAS, this Project is located in the Peninsula Community, and includes the replacement of approximately 5,200 linear feet of existing 6, 8 and 12-inch old and deteriorated cast iron water mains, water services and fire hydrants originally installed in 1939, and 400 linear feet of asphalt concrete water mains installed in 1967. It also includes installing curb ramps and street resurfacing;

WHEREAS, in connection with the consideration of the construction of improvements to Water Group 530, the Council of the City of San Diego [Council] considered the issues discussed in Mitigated Negative Declaration, Project No. 94-0663; NOW, THEREFORE;

BE IT RESOLVED, that the plans and specifications for the construction of Water Group 530 as advertised by Purchasing and Contracting Department filed in the office of the City Clerk as Document No. _____, are approved.

000040

BE IT FURTHER RESOLVED, that the Mayor or his designee is authorized to establish contract funding phases and execute a contract with the lowest responsible and reliable bidder, providing the City Auditor and Comptroller first furnishes one or more certificates certifying that the funds necessary for expenditure under established contract funding phases are, or will be, on deposit in the City Treasury.

BE IT FURTHER RESOLVED, that the expenditure of an amount not to exceed \$2,586,283 from Water Fund 41506, CIP No. 73-083.0, Annual Allocation – Water Main Replacement is authorized solely for the construction, contingency, and Project related costs, provided that the City Auditor and Comptroller first furnishes one or more certificates certifying that the funds are, or will be, on deposit with the City Treasurer.

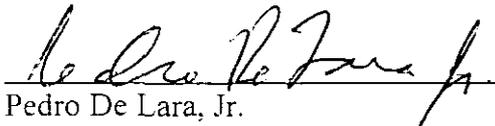
BE IT FURTHER RESOLVED, that the use of City Forces in an amount not to exceed \$311,786 from Water Fund 41500, CIP 73-083.0 Annual Allocation -Water Main Replacement is authorized for the construction of Sub CIP No. 73-847.0, Water Group 530.

BE IT FURTHER RESOLVED, that the City Auditor and Comptroller is authorized upon advice from the administering department to transfer excess funds, if any, to the appropriate reserves.

BE IT FURTHER RESOLVED, that this activity is not subject to the California Environmental Quality Act pursuant to CEQA Guidelines 15378 (c). This activity is a subsequent discretionary approval covered under Project No. 94-0663, Water Group 530. This activity is adequately addressed in the environmental document and there is no change in circumstance, additional information, or project changes to warrant additional environmental review pursuant to CEQA Guidelines section 15177.

000041

APPROVED: MICHAEL J. AGUIRRE, City Attorney

By 
Pedro De Lara, Jr.
Deputy City Attorney

PDJ:js
06/26/2007
Or.Dept: E&CP
R-2007-1298

I hereby certify that the foregoing Resolution was passed by the Council of the City of San Diego, at this meeting of _____

ELIZABETH S. MALAND
City Clerk

By _____
Deputy City Clerk

Approved: _____
(date)

JERRY SANDERS, Mayor

Vetoed: _____
(date)

JERRY SANDERS, Mayor



Mitigated Negative Declaration

DEP No. 94-0663

SUBJECT:

Group Job 529/530. COUNCIL APPROVAL of Capital Improvement Project Nos. 44-001.0 and 73-083.0 for the replacement of approximately 21,420 feet of water, and 12,940 feet of sewer pipelines. The new water lines would range from eight-inch through sixteen-inch in diameter. The new sewer lines would vary from eight-inch to eighteen-inch in diameter. This pipeline replacement would occur within the right-of-way along various streets in the Midway, Old San Diego, and Peninsula community planning areas.

- I. PROJECT DESCRIPTION: See attached Initial Study.
- II. ENVIRONMENTAL SETTING: See attached Initial Study.
- III. DETERMINATION:

The City of San Diego conducted an Initial Study which determined that the proposed project could have a significant environmental effect. Subsequent revisions in the project proposal create the specific mitigation identified in Section V of this Mitigated Negative Declaration. The project as revised now avoids or mitigates the potentially significant environmental effects previously identified, and the preparation of an Environmental Impact Report will not be required.

IV. DOCUMENTATION:

The attached Initial Study documents the reasons to support the above Determination.

V. MITIGATION, MONITORING AND REPORTING PROGRAM:

The following measures comprise the Mitigation, Monitoring and Reporting Program, and shall be stated in the contract documents and referenced on the construction for Group Job 529/530 (Capital Improvement Project Nos. 44-001.0 and 73-083.0).

Cultural Resources

- 1. Prior to the start of construction, the Water Utilities Department Project Manager shall provide verification that a qualified archaeologist and/or an archaeological monitor have been retained to implement the archaeological monitoring program. This verification shall be in the form of a letter from the Project Manager to the Public Projects unit of the

Environmental Analysis Section (EAS) of the Development Services Department.

A qualified archaeologist is defined as an individual certified by the Society of Professional Archaeologists (SOPA). At least 200 hours of field experience required for certification must have been obtained in southern California. Uncertified individuals who believe they meet the requirements for certification may submit evidence of their qualifications to the Development Services Department.

An archaeological monitor is defined as an individual who has expertise in the collection and salvage of cultural resources and who is working under the direction of a qualified archaeologist.

ALL PERSONS INVOLVED IN THE ARCHAEOLOGICAL MONITORING OF THIS PROJECT SHALL BE APPROVED BY EAS AT LEAST 30 DAYS PRIOR TO THE PRECONSTRUCTION MEETING. FOR QUESTIONS REGARDING THE ARCHAEOLOGICAL SITES, EAS SHALL BE CONTACTED.

2. The qualified archaeologist shall attend any preconstruction meetings to make comments and/or suggestions concerning the monitoring program and to discuss excavation plans with the excavation contractor. The requirements for archaeological monitoring shall be noted on the construction plans. The archaeologist's duties shall include monitoring, evaluation, analysis of collected materials, and preparation of a monitoring results report in conformance with the City's Guidelines for the Determination of the Significance of Archaeological Sites. These duties are defined as follows:

a. Monitoring

The qualified archaeologist or archaeological monitor shall be present on-site during construction activity involving only NEW AND/OR DEEPER EXCAVATION work in previously undisturbed soils, this would include the following sheets:

Sheet 2	from Sta. 1+10 to Sta. 1+40.
Sheet 17	from Sta. 158+20 to Sta. 158+50.
Sheet 18	from Sta. 158+50 to Sta. 163+00.
Sheet 19	from Sta. 170+80 to Sta. 171+80; from Sta. 173+90 to Sta. 175+00.
Sheet 20	from Sta. 175+00 to Sta. 180+60.

Sheet 22 from Sta. 218+60 to Sta. 220+50.
Sheet 23 from Sta. 220+50 to Sta. 229+00.
Sheet 24 from Sta. 229+00 to Sta. 237+30.
Sheet 28 from Sta. 62+95.41 to Sta. 69+00;
from Sta. 1+00 to Sta. 1+95.95;
from Sta. 1+00 to Sta. 1+96.14.
Sheet 29 from Sta. 69+00 to Sta. 16+45.42;
from Sta. 1+00 to Sta. 1+95.57;
from Sta. 1+00 to Sta. 1+95.41.
Sheet 31 from Sta. 88+97.30 to Sta. 90+95.

b. Evaluation

In the event that cultural resources are discovered, the archaeologist shall have the authority to divert or temporarily halt ground disturbance operations in the area of discovery to allow evaluation of potentially significant cultural resources. THE ARCHAEOLOGIST SHALL CONTACT EAS AT THE TIME OF DISCOVERY. The significance of the discovered resources shall be determined by the archaeologist, in consultation with EAS. EAS must concur with the evaluation procedures to be performed before construction activities are allowed to resume. For significant cultural resources, a Research Design and Data Recovery Program shall be prepared and carried out to mitigate impacts. Any human bones of Native American origin shall be turned over to the appropriate Native American group for reburial.

c. Analysis

All collected cultural remains shall be cleaned, cataloged and permanently curated with an appropriate institution. All artifacts shall be analyzed to identify function and chronology as they relate to the history of the area. Faunal material shall be identified as to species. Specialty studies shall be completed as appropriate.

d. Report Preparation

A monitoring results report with appropriate graphics, which describes the results, analyses, and conclusions of the above program shall be prepared and submitted to EAS within three months following termination of the cultural resources program. Also, any sites or features encountered shall be recorded with the South Coastal Information Center at San

Diego State University and with the San Diego Museum of Man.

THE PROJECT MANAGER SHALL NOTIFY EAS STAFF OF ANY PRECONSTRUCTION MEETING DATES AND OF THE START AND END OF CONSTRUCTION.

Implementation of the above measures will reduce impacts to cultural resources resulting from construction of this project to below a level of significance.

Paleontological Resources

1. Prior to construction activities, the Water Utilities Department Project Manager shall provide verification that a qualified paleontologist and/or paleontological monitor has been retained to implement the paleontological monitoring program. This verification shall be in the form of a letter from the Project Manager to the Principal Planner of the Public Project unit of the Environmental Analysis Section (EAS) of the Development Services Department.

A qualified paleontologist is defined as an individual with a Ph.D. or M.S. degree in paleontology or geology who is a recognized expert in the application of paleontological procedures and techniques such as screen washing of materials and identification of fossil deposits, and who has field experience in southern California.

A paleontological monitor is defined as an individual who has experience in the collection and salvage of fossil material and who is working under the direction of a qualified paleontologist.

ALL PERSONS INVOLVED IN THE PALEONTOLOGICAL MONITORING OF THIS PROJECT SHALL BE APPROVED BY EAS AT LEAST 30 DAYS PRIOR TO THE PRECONSTRUCTION MEETING.

2. The qualified paleontologist shall attend any preconstruction meetings to consult with the excavation contractor and to make comments and/or suggestions concerning the monitoring program. The paleontologist's duties shall include monitoring, salvaging, preparation of materials for deposit at a scientific institution that houses paleontological collections, and preparation of a monitoring report. These duties are defined as follows:

- a. Monitoring

The paleontologist or paleontological monitor shall be on site during all excavation activities in previously

undisturbed formations that may contain fossilized materials (the Bay Point and Cabrillo Formations identified in the Initial Study prepared for this project). This would include the following sheets:

Sheet 2 from Sta. 1+10 to Sta. 1+40.
 Sheet 17 from Sta. 158+20 to Sta. 158+50.
 Sheet 18 from Sta. 158+50 to Sta. 163+00.
 Sheet 28 from Sta. 62+95.41 to Sta. 69+00;
 from Sta. 1+00 to Sta. 1+95.95;
 from Sta. 1+00 to Sta. 1+96.14.
 Sheet 29 from Sta. 69+00 to Sta. 16+45.42;
 from Sta. 1+00 to Sta. 1+95.57;
 from Sta. 1+00 to Sta. 1+95.41.
 Sheet 31 from Sta. 88+97.30 to Sta. 90+95.

b. Salvaging

In the event that well-preserved fossils are found, the paleontologist shall have the authority to divert, direct, or temporarily halt construction activities in the area of discovery to allow recovery of fossil remains in a timely fashion. Recovery is anticipated to take from one hour to a maximum of two days. THE PALEONTOLOGIST SHALL CONTACT EAS AT THE TIME OF DISCOVERY. EAS must concur with the salvaging methods before construction activities are allowed to resume.

c. Fossil Preparation

Fossil remains shall be cleaned, sorted, catalogued, and then deposited in a scientific institution that houses paleontological collections (such as the San Diego Natural History Museum).

d. Report Preparation

A monitoring results report, with appropriate graphics, which summarizes the results, analysis, and conclusions of the above monitoring program shall be prepared and submitted to EAS within three months following the termination of the paleontological monitoring program.

THE PROJECT MANAGER SHALL NOTIFY EAS STAFF OF ANY PRECONSTRUCTION MEETING DATES AND OF THE START AND END OF CONSTRUCTION.

Implementation of the above measures would reduce impacts to fossil resources resulting from construction of this project, to below a level of significance.

VI. PUBLIC REVIEW DISTRIBUTION:

Draft copies or notice of this Mitigated Negative Declaration were distributed to:

CALTRANS, District 11
California Coastal Commission
Regional Water Quality Control Board
County of San Diego:
Hazardous Materials Management Division
City of San Diego:
Councilmember Roberts, District 2
Development Services Department
Engineering Department
Library Department - Government Documents
Planning Department, Nunez
Water Utilities Department
Metropolitan Transit Development Board
San Diego Unified School District
Sierra Club
San Diego County Archaeology Society
San Diego Museum of Man
South Coastal Information Center
Ron Christman
Save Our Heritage Organization
San Diego Natural History Museum
Midway Community Planning Advisory Committee
Old San Diego Community Planning Committee
Peninsula Community Planning Board
ASL Consulting Engineers
KEA, Environmental, Inc.
Daily Transcript

VII. RESULTS OF PUBLIC REVIEW:

- () No comments were received during the public input period.
- () Comments were received but did not address the draft Mitigated Negative Declaration finding or the accuracy/completeness of the Initial Study. No response is necessary. The letters are attached.
- (x) Comments addressing the findings of the draft Mitigated Negative Declaration and/or accuracy or completeness of the Initial Study were received during the public input period. The letters and responses follow.

Copies of the draft Mitigated Negative Declaration, the Monitoring and Reporting Program and any Initial Study material are available in the office of the Development and Environmental Planning Division for review, or for purchase at the cost of reproduction.

Cathy Gibit
Cathy Gibit, Senior Planner
Development Services Department

April 25, 1995
Date of Draft Report

May 19, 1995
Date of Final Report

Analyst: Krosch

City of San Diego
Development Services Department
DEVELOPMENT AND ENVIRONMENTAL PLANNING DIVISION
1222 First Avenue, Mail Station 501
San Diego, CA 92101
(619) 236-6460

INITIAL STUDY
DEP No. 94-0663

SUBJECT: Group Job 529/530. COUNCIL APPROVAL of Capital Improvement Project Nos. 44-001.0 and 73-083.0 for the replacement of approximately 21,420 feet of water, and 12,940 feet of sewer pipelines. The new water lines would range from eight-inch through sixteen-inch in diameter. The new sewer lines would vary from eight-inch to eighteen-inch in diameter. This pipeline replacement would occur within the right-of-way along various streets in the Midway, Old San Diego, and Peninsula community planning areas. Applicant: City of San Diego, Water Utilities Department.

I. PURPOSE AND MAIN FEATURES:

The proposed project would replace 12,940 feet of existing deteriorated six-inch through ten-inch diameter vitrified clay pipe and/or undersized concrete, and polyvinyl chloride (PVC) sewer mains. Approximately 8,970 feet would be replaced in place (replacement that occurs at the existing depth within the existing trench). Roughly 3,010 feet would involve new and/or deeper trenching and 960 feet would be lined. Additionally, the proposal includes the replacement of approximately 21,420 feet of existing six-inch through twelve-inch diameter asbestos cement (AC) pipe and cast iron cement lined (C.I.C.L.) water mains. Approximately, 17,860 feet would be replaced in place and 3,560 feet would involve new and/or deeper trenching (Figure 1).

The project has been divided into three Reaches (Figure 2). Each reach includes water and sewer lines. Reach 1 would be located within Rosecrans Street from the Naval Submarine Base to Talbot Street. For Reach 2, water and sewer replacement would be within Rosecrans Street between Nimitz Boulevard and Cauby Street. Additional water lines would also be located in Rosecrans Place and North Evergreen Street. Additional sewer lines would be located in Poe, Quimby, Russell, Sterne, Tennyson and Udall Streets. Additionally, 960 feet of 10-inch diameter concrete sewer main, located approximately 96 feet west of Rosecrans Street shall be lined. Reach 3 would be located within Rosecrans and Taylor Streets from Hancock Street to five hundred feet east of Presidio Drive.

A four hundred and eighty foot segment, between Station 213+80 to Station 218+60, would be built by HTDS during construction of the new trolley station. The station would be located on Taylor Street

between Pacific Coast Highway and San Diego Avenue/Congress Street. This segment would be part of the MTDB LRT 552 construction drawings and specifications, and would require archaeological monitoring for excavation activities that will involve work in previously undisturbed soils (the areas with new and/or deeper trenches).

The City of San Diego, Traffic Department, has designated several segments of the water line construction as night work areas. Designated night work shall be done between the hours of 9:00 p.m. and 5:00 a.m. No night work shall occur within Reach 1. Reach 2 night work shall be located at the intersection of Rosecrans Street and Litton Street (Sta. 154+00 to Sta. 159+00) as well as on Sellers Street/North Evergreen Street and Rosecrans Street from North Evergreen Street to Cauby Street (Sta. 172+00 to Sta. 180+60). Reach 3 night work shall be located at the intersections of Taylor Street and Pacific Coast Highway and Taylor Street and Juan Street (Sta. 222+70 to Sta. 224+80) as well as the intersection Taylor Street and Morena Boulevard (Sta. 227+40 to Sta. 231+20).

Rosecrans Street is a State Route from Interstate 5 to Cabrillo National Monument. Therefore, a Caltrans Encroachment Permit would be required for this project. In order to obtain this permit, the design and traffic control plans must be submitted to Caltrans for their review. The Water Utilities Department will coordinate with Caltrans on this effort.

There are several other construction projects that are scheduled to be completed within the project limits. The projects are summarized below:

- Caltrans
- 1) Rosecrans Street Overlay. Street overlay project is scheduled for Rosecrans Street from Canon Street to Nimitz Boulevard. This area falls within the project limits, however no pipelines will be replaced in this area.
- 2) I-5 and I-8 Bridge Retrofit. A seismic retrofit project is scheduled for I-5 and I-8 bridges near the project site.

Impacts: Traffic during the bridge work will be diverted from I-5 to the Pacific Coast Highway. Potentially, this could have a major impact on the replacement project. Caltrans work is scheduled to begin in December 1995. If the work for the replacement project begins on the south end of Rosecrans and proceeds north, conflict of the two project schedules can be avoided. The contract specifications will prohibit the Contractor from performing work in the Pacific Coast Highway area during Caltrans operations.

• City of San Diego - Metropolitan Wastewater Department

- 1) North Metro Interceptor Sewer. The North Metro Interceptor will be located in Taylor Street east of Pacific Coast Highway. The location of the Interceptor Sewer and associated conflict structure, necessitates the need to realign the sixteen-inch water main in the area.

Impacts: The sixteen-inch water main is being relocated in Taylor Street to avoid conflicts and maintain necessary separation from the Interceptor Sewer.

Trench widths would be approximately three feet, with trench depths ranging from three feet to sixteen feet for sewer mains and three feet to ten feet for water mains. The replacement water and sewer mains would adhere to the City of San Diego Water Utilities Department approved Material List. The approved materials for water mains specify ductile iron (DI) pipe and polyvinyl chloride (PVC) pipe. The approved materials for sewer mains are polyvinyl chloride (PVC) pipe and vitrified clay (VC) pipe.

The total duration of construction for this project is anticipated to be approximately seventeen months. It is anticipated that construction would start in January, 1996. The contractor will comply with the requirements in the *Standard Specifications for Public Work Construction*. Construction materials would be stored in the related streets as the job proceeds along.

A traffic control plan prepared in accordance with the *City of San Diego Standard Drawings Manual of Traffic Control for Construction and Maintenance Work Zones* (1991 edition), and approved by the City's Development Services Traffic Section would be implemented.

The proposed project is in the portion of the Coastal Zone under the jurisdiction of the City of San Diego. The project is exempt per Section 105.0204(c) of the Coastal Development Permit Ordinance and an exemption has been prepared.

II. ENVIRONMENTAL SETTING:

The project is located in an urbanized area and includes a variety of land uses, including residential, commercial and military. The zoning is for single and multi-family housing with minimum lot requirements ranging from 6,000 square feet to 10,000 square feet. The commercial zones include office, neighborhood, and area shopping. The alignment within Taylor Street is located in the Core/Commercial subarea of the Old San Diego Planned District. Rosecrans Street between Nimitz Boulevard and Quimby Street is located within the Roseville Commercial District. The U.S. Naval Training Center is unzoned. Additionally, the Peninsula community planning area is

located within the Airport Approach zone which restricts the height in that area to thirty feet.

III. ENVIRONMENTAL ANALYSIS: See attached Initial Study checklist.

IV. DISCUSSION:

Cultural Resources

KEA Environmental, Inc. (KEA) reviewed the City of San Diego's mapped archaeological information and the site files at the South Coastal Information Center at San Diego State. Based on the archival information, two archaeological sites (CA-SDI-50 and CA-SDI-51) were identified in the general vicinity of the alignment along Reach 1. It also appears that another site (W-291A) is crossed by the alignment within Reach 3. During archaeological testing for the North Metro Interceptor Sewer Project (DEP No. 89-1105) test trenches were placed near the proposed alignment for GJ529/530. The results of this testing was negative and is documented in a technical report for the North Metro Interceptor Sewer Project (Brian F. Mooney, 1993).

Two other sites (W-3930 and CA-SDI-13,663H) mapped near the alignment have been addressed as part of previous projects. Site W-3930, was the Vitrified Products Corporation Kilns, which were in service from 1923 to 1942. The kilns were initially discovered in 1987, during grading for the County Mental Health Facility. At the time of discovery, grading was halted and archaeological excavation were undertaken to mitigate the adverse impacts of the project (Van Wormer and Hector, 1987). CA-SDI-13,663H, was discovered during archeological monitoring of the Water Utilities Department Sewer Group Job 600. The site consisted of an ash lens containing historic refuse. The lens was 3.3 meters long and 13 cm thick, and was located 102 cm below the modern street surface (Schultz 1993).

Based on this information, there is a potential that buried cultural resources could be impacted. Therefore, for excavation work that will involve work in previously undisturbed soils (the areas with new and/or deeper trenches) archaeological monitoring will be required. A Mitigation, Monitoring, and Reporting Program will be implemented. This program requires that a qualified archaeologist or archaeological monitor be present during construction activity that involves new and/or deeper trench work. If cultural deposits are discovered, excavation would temporarily cease to allow evaluation, recordation, and recovery of material.

Paleontological Resources

According to the Geology of the San Diego Metropolitan Area, California, 1975, published by the California division of Mines and

Geology, the project area within Rosecrans Street is underlain by Bay Point and Cabrillo Formations, while the Taylor Street area is underlain by artificial fill. The Bay Point Formation has a high resource potential and Cabrillo Formation has a moderate resource potential, while artificial fill does not have a potential for fossils.

Within the Bay Point Formation, excavation would involve replacement in place along with new and/or deeper trenching, which would occur in previously undisturbed Bay Point Formation. Within the Cabrillo Formation, the pipeline would be replaced in place. Potential disturbance or loss to fossils without adequate documentation and research would be considered a significant impact. Therefore, a Mitigation, Monitoring, and Reporting Program would be implemented. The program requires that a qualified paleontologist or paleontological monitor be present during trenching activities in any previously undisturbed formations with a moderate to high resource potential. If significant fossil resources are found, a recovery and documentation program would be implemented.

Geology/Soils

The project is located within the Peninsula, Midway and Old San Diego community planning areas. According to the United States Department of Agriculture, Soil Survey, San Diego Area, California, 1993 the Peninsula area is located within an area of Reiff fine sandy loam and Marina loamy coarse sand, while the alignment within Midway and Old San Diego is within an area designation as urban land.

According to the City's Seismic Safety Study most of the project is within a low risk zone in a generally stable area. However, the northeasterly segment of the project is within a moderate risk zone and has a potential for ground failure due to liquefaction.

Located in the northeast portion of the project near the I-5/I-8 interchange is the Rose Canyon Fault Zone. The Rose Canyon Fault Zone includes the Old Town, Rose Canyon, and Mission Bay faults. Additionally, several inferred faults are mapped on the southern end of the project.

The proposed project facilities are subject to geologic hazards related to regional and local seismicity and the potential instability of onsite surficial and geologic deposits. These hazards could result in significant effects associated with ground rupture, ground acceleration, liquefaction, landsliding, expansive or reactive soils, shallow bedrock or groundwater, excavation or foundation stability, and settlement. These potential impacts would be avoided through standard construction techniques and project design features. Exceptions to this conclusion include seismic ground rupture/acceleration effects associated with a major earthquake along the

Rose Canyon Fault Zone. This is considered an acceptable risk, however, for the provision of infrastructure. The project design would also incorporate a number of measures to reduce seismic risk and/or facilitate effective repairs, and therefore, no mitigation measures are required.

Human Health and Public Safety

A review of the *San Diego County Environmental Assessment Listing* (February, 1994) identified eleven contamination sites on Rosecrans Street and one on Taylor Street, which are within the vicinity of this project. Therefore, there is a potential to encounter soil contamination during construction of this project. If contamination is encountered during excavation, remedial action would be implemented.

Remedial action would include measures for the treatment of soil contamination and would incorporate a certified Health and Safety Plan into the project design. Such measures would include, but not be limited to, the following:

1. One operational explosimeter calibrated for hydrocarbons and capable of automatically detecting explosive gases at 20 percent of the Lower Explosive Level shall be employed continuously during trenching activities, and shall be operated by personnel trained in its use.
2. All workers physically working in the trench shall be required to wear pre-tested half-face cartridge respirators whenever organic vapors are detected at one percent of the Lower Explosive Level.
3. Work shall cease and the City of San Diego Engineering Field Inspection Section notified immediately if Lower Explosive Levels above 20 percent are detected. The Resident Engineer shall have the final authority on whether work shall continue.
4. If contaminated soil is encountered, the County of San Diego Department of Health Services, Hazardous Materials Management Division (HMMD) shall be contacted. HMMD shall prescribe the methods of treatment (either bioremediation on fenced City property or transportation to an appropriate facility).

Because project features include monitoring, reporting, and treatment of hazardous materials in order to protect public health and safety, no mitigation measures are required.

V. RECOMMENDATION:

On the basis of this initial evaluation:

_____ The proposed project would not have a significant effect on the environment, and a NEGATIVE DECLARATION should be prepared.

X Although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because the mitigation measures described in Section IV above have been added to the project. A MITIGATED NEGATIVE DECLARATION should be prepared.

_____ The proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT should be required.

PROJECT ANALYST: Krosch

Attachments: Figure 1 - Vicinity Map
Figure 2 - Location Map
Initial Study Checklist

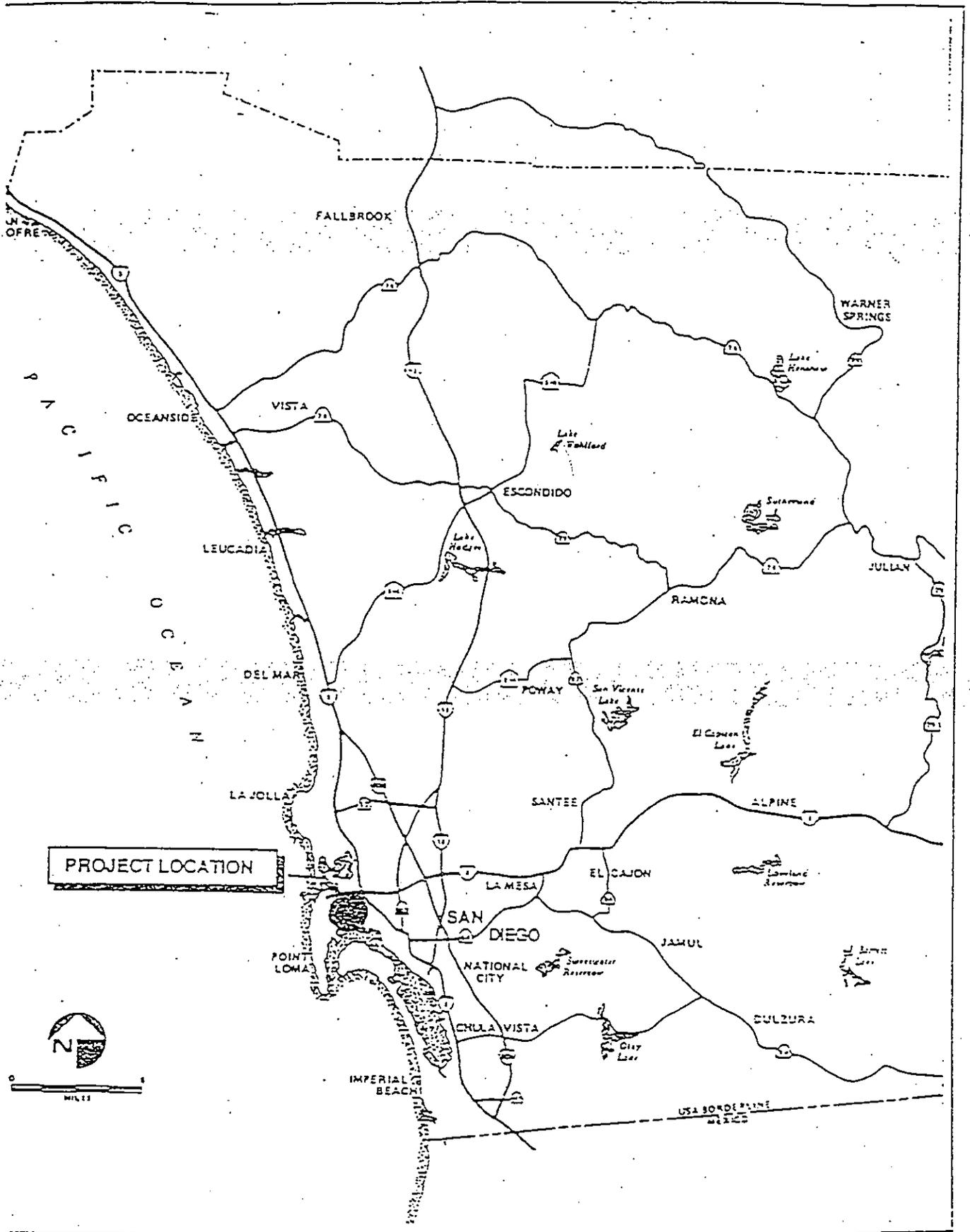
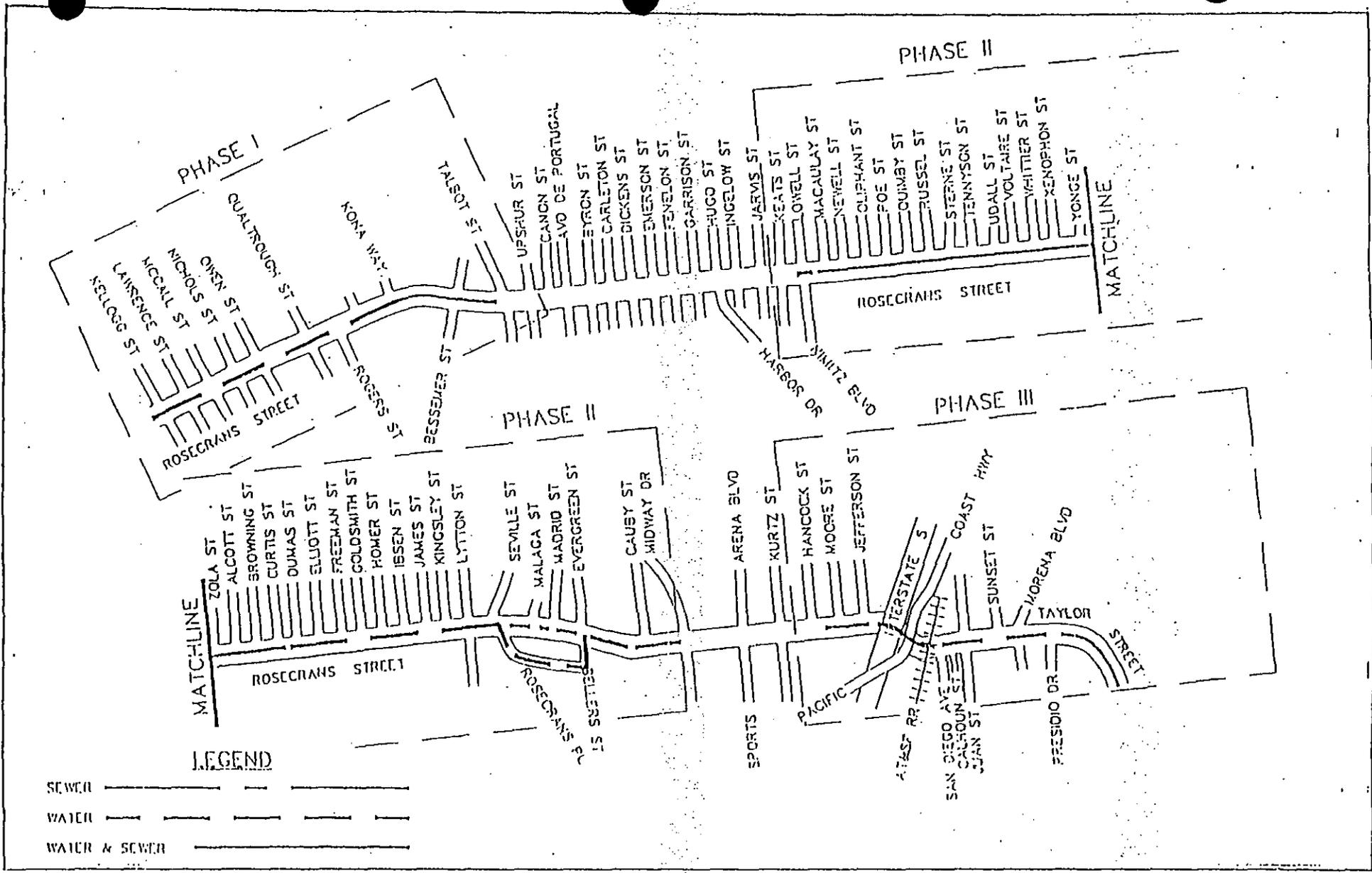


Figure
1



VICINITY MAP

CITY OF SAN DIEGO • DEVELOPMENT SERVICES DEPARTMENT



LOCATION MAP
CITY OF SAN DIEGO • DEVELOPMENT SERVICES DEPARTMENT

Figure
2

III. ENVIRONMENTAL ANALYSIS:

This Initial Study checklist is designed to identify the potential for significant environmental impacts which could be associated with a project. All answers of "yes" and "maybe" indicate that there is a potential for significant environmental impacts and these determinations are explained in Section IV.

	<u>Yes</u>	<u>Maybe</u>	<u>No</u>
A. <u>Geology/Soils.</u> Will the proposal result in:			
1. Exposure of people or property to geologic hazards such as earthquakes, landslides, mudslides, ground failure, or similar hazards?	---	---	<u>X</u>
<u>Project is an underground pipeline.</u>			
2. Any increase in wind or water erosion of soils, either on or off the site?	---	---	<u>X</u>
<u>See A-1.</u>			
B. <u>Air.</u> Will the proposal result in:			
1. Air emissions which would substantially deteriorate ambient air quality?	---	---	<u>X</u>
<u>Project is an underground pipeline.</u>			
2. The exposure of sensitive receptors to substantial pollutant concentrations?	---	---	<u>X</u>
<u>See B-1.</u>			
3. The creation of objectionable odors?	---	---	<u>X</u>
<u>See B-1.</u>			

	<u>Yes</u>	<u>Maybe</u>	<u>No</u>
4. The creation of dust?	—	<u>X</u>	—
<u>Temporary during construction. Project would comply with public work and construction codes.</u>			
5. Any alteration of air movement in the area of the project?	—	—	<u>X</u>
<u>See B-1.</u>			
6. A substantial alteration in moisture, or temperature, or any change in climate, either locally or regionally?	—	—	<u>X</u>
<u>See B-1.</u>			
C. <u>Hydrology/Water Quality.</u> Will the proposal result in:			
1. Changes in currents, or the course or direction of water movements, in either marine or fresh waters?	—	—	<u>X</u>
<u>Project is an underground pipeline.</u>			
2. Changes in absorption rates, drainage patterns, or the rate and amount of surface runoff?	—	—	<u>X</u>
<u>See C-1.</u>			
3. Alterations to the course or flow of flood waters?	—	—	<u>X</u>
<u>See C-1.</u>			
4. Discharge into surface or ground waters, or in any alteration of surface or ground water quality, including, but not limited to temperature, dissolved oxygen or turbidity?	—	—	<u>X</u>
<u>See C-1.</u>			

Yes Maybe No

5. Discharge into surface or ground waters, significant amounts of pesticides, herbicides, fertilizers, gas, oil, or other noxious chemicals?

___ ___ X

See C-1.

6. Change in deposition or erosion of beach sands, or changes in siltation, deposition or erosion which may modify the channel of a river or stream or the bed of the ocean or any bay, inlet or lake?

___ ___ X

See C-1.

7. Exposure of people or property to water related hazards such as flooding?

___ ___ X

See C-1.

8. Change in the amount of surface water in any water body?

___ ___ X

See C-1.

D. Biology. Will the proposal result in:

1. A reduction in the number of any unique, rare, endangered, sensitive, or fully protected species of plants or animals?

___ ___ X

Project is located entirely within the street right-of-way in an urban area.

2. A substantial change in the diversity of any species of animals or plants?

___ ___ X

See D-1.

3. Introduction of invasive species of plants into the area?

___ ___ X

See D-1.

Yes Maybe No

4. Interference with the movement of any resident or migratory fish or wildlife species?

___ ___ X

See D-1.

5. In impact on a sensitive habitat, including, but not limited to streamside vegetation, oak woodland, vernal pools, coastal salt marsh, lagoon, wetland, or coastal sage scrub or chaparral?

___ ___ X

See D-1.

6. Deterioration of existing fish or wildlife habitat?

___ ___ X

See D-1.

E. Noise. Will the proposal result in:

1. A significant increase in the existing ambient noise levels?

___ ___ X

Project is an underground pipeline.

2. Exposure of people to noise levels which exceed the City's adopted noise ordinance?

___ X ___

Temporary noise during construction which must comply with the City's noise ordinance.

3. Exposure of people to current or future transportation noise levels which exceed standards established in the Transportation Element of the General Plan?

___ ___ X

See E-1.

F. Light, Glare and Shading. Will the proposal result in:

	<u>Yes</u>	<u>Maybe</u>	<u>No</u>
1. Substantial light or glare?	—	—	<u>X</u>

Project is an underground pipeline.

2. Substantial shading of other properties?	—	—	<u>X</u>
---------------------------------------------	---	---	----------

See F-1.

G. Land Use. Will the proposal result in:

1. A land use which is inconsistent with the adopted community plan land use designation for the site?	—	—	<u>X</u>
--------------------------------------------------------------------------------------------------------	---	---	----------

Project is consistent with the community plan.

2. A conflict with the goals, objectives and recommendations of the community plan in which it is located?	—	—	<u>X</u>
------------------------------------------------------------------------------------------------------------	---	---	----------

See G-1.

3. A conflict with adopted environmental plans for the area?	—	—	<u>X</u>
--------------------------------------------------------------	---	---	----------

Project is consistent with the environmental plan for the area.

4. Land uses which are not compatible with aircraft accident potential as defined by a SANDAG Airport Land Use Plan (ALUC)?	—	—	<u>X</u>
-----------------------------------------------------------------------------------------------------------------------------	---	---	----------

N/A.

H. Natural Resources. Will the proposal result in:

1. The prevention of future extraction of sand and gravel resources?	—	—	<u>X</u>
----------------------------------------------------------------------	---	---	----------

N/A.

2. The conversion of agricultural land to nonagricultural use or impairment of the			
------------------------------------------------------------------------------------	--	--	--

Yes Maybe No

agricultural productivity of agricultural land?

___ ___ X

N/A.

I. Recreational Resources: Will the proposal result in an impact upon the quality or quantity of existing recreational opportunities?

___ ___ X

Project is an underground pipeline.

J. Population. Will the proposal alter the planned location, distribution, density, or growth rate of the population of an area?

___ ___ X

Project will not affect the population of the area.

K. Housing. Will the proposal affect existing housing in the community, or create a demand for additional housing?

___ ___ X

Project will not affect the housing in the area.

L. Transportation/Circulation. Will the proposal result in:

1. Traffic generation in excess of specific/community plan allocation?

___ ___ X

Project is an underground pipeline.

2. An increase in projected traffic which is substantial in relation to the capacity of the street system?

___ ___ X

See L-1.

3. An increased demand for off-site parking?

___ ___ X

See L-1.

	<u>Yes</u>	<u>Maybe</u>	<u>No</u>
4. Effects on existing parking? <u>A traffic control plan would be implemented. Any effects would be temporary.</u>	—	<u>X</u>	—
5. Substantial impact upon existing or planned transportation systems? <u>See L-1.</u>	—	—	<u>X</u>
6. Alterations to present circulation movements including effects on existing public access to beaches, parks, or other open space areas? <u>See L-4.</u>	—	<u>X</u>	—
7. Increase in traffic hazards to motor vehicles, bicyclists or pedestrians? <u>See L-1.</u>	—	—	<u>X</u>

M. Public Services. Will the proposal have an effect upon, or result in a need for new or altered governmental services in any of the following areas:

a. Fire protection? <u>Project is an underground pipeline.</u>	—	—	<u>X</u>
b. Police protection? <u>See M-1.</u>	—	—	<u>X</u>
c. Schools? <u>See M-1.</u>	—	—	<u>X</u>
d. Parks or other recreational facilities? <u>See M-1.</u>	—	—	<u>X</u>

	<u>Yes</u>	<u>Maybe</u>	<u>No</u>
e. Maintenance of public facilities, including roads? <u>See M-1.</u>	___	___	<u>X</u>
f. Other governmental services? <u>See M-1.</u>	___	___	<u>X</u>
N. <u>Utilities.</u> Will the proposal result in a need for new systems, or require substantial alterations to existing utilities, including:			
a. Power? <u>Project is an underground pipeline.</u>	___	___	<u>X</u>
b. Natural gas? <u>See N-a.</u>	___	___	<u>X</u>
c. Communications systems? <u>See N-a.</u>	___	___	<u>X</u>
d. Water? <u>Project would replace water pipelines.</u> <u>See Initial Study.</u>	___	___	<u>X</u>
e. Sewer? <u>Project would replace sewer pipelines.</u> <u>See Initial Study.</u>	___	___	<u>X</u>
f. Storm water drainage? <u>See N-a.</u>	___	___	<u>X</u>
g. Solid waste disposal? <u>See N-a.</u>	___	___	<u>X</u>
O. <u>Energy.</u> Will the proposal result in the use			

	<u>Yes</u>	<u>Maybe</u>	<u>No</u>
of excessive amounts of fuel or energy?	—	—	<u>X</u>

Project is an underground pipeline.

P. Water Conservation. Will the proposal result in:

1. Use of excessive amounts of water?	—	—	<u>X</u>
---------------------------------------	---	---	----------

See N-a.

2. Landscaping which is predominantly non-drought resistant vegetation?	—	—	<u>X</u>
-------------------------------------------------------------------------	---	---	----------

No landscaping required for this project.

Q. Neighborhood Character/Aesthetics. Will the proposal result in:

1. The obstruction of any vista or scenic view from a public viewing area?	—	—	<u>X</u>
----------------------------------------------------------------------------	---	---	----------

Project is an underground pipeline.

2. The creation of a negative aesthetic site or project?	—	—	<u>X</u>
----------------------------------------------------------	---	---	----------

See Q-1.

3. Project bulk, scale, materials, or style which will be incompatible with surrounding development?	—	—	<u>X</u>
------------------------------------------------------------------------------------------------------	---	---	----------

See Q-1.

4. Substantial alteration to the existing character of the area?	—	—	<u>X</u>
------------------------------------------------------------------	---	---	----------

See Q-1.

5. The loss of any distinctive or landmark tree(s), or a stand of mature trees?	—	—	<u>X</u>
---------------------------------------------------------------------------------	---	---	----------

No trees would be removed.

Yes Maybe No

6. Substantial change in topography or ground surface relief features?

___ ___ X

Project is within existing street right-of-ways and would not change the topography.

7. The loss, covering or modification of any unique geologic or physical features such as a natural canyon, sandstone bluff, rock outcrop, or hillside with a slope in excess of 25 percent?

___ ___ X

See Q-6.

R. Cultural Resources. Will the proposal result in:

1. Alteration of or the destruction of a prehistoric or historic archaeological site?

___ X ___

See Initial Study prepared for this project.

2. Adverse physical or aesthetic effects to a prehistoric or historic building, structure, object, or site?

___ ___ X

See R-1.

3. Adverse physical or aesthetic effects to an architecturally significant building, structure, or object?

___ ___ X

See R-1.

4. Any impact to existing religious or sacred uses within the potential impact area?

___ ___ X

See R-1.

S. Paleontological Resources. Will the

Yes Maybe No

proposal result in the loss of paleontological resources?

_____ X _____

See Initial Study prepared for this project.

T. Human Health/Public Safety. Will the proposal result in:

1. Creation of any health hazard or potential health hazard (excluding mental health)?

_____ _____ X

Project is an underground pipeline.

2. Exposure of people to potential health hazards?

_____ X _____

Project would include a Public Health and Safety Plan. See Initial Study.

3. A future risk of an explosion or the release of hazardous substances (including but not limited to gas, oil, pesticides, chemicals, radiation, or explosives)?

_____ _____ X

See T-1.

U. Mandatory Findings of Significance.

1. Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal, or eliminate important examples of the major periods of California history or prehistory?

_____ _____ X

Project would not degrade the quality of the environment.

2. Does the project have the potential to achieve short-term, to the disadvantage of long-term, environmental goals? (A short-term impact on the environment is one which occurs in a relatively brief, definitive period of time while long-term impacts will endure well into the future.)

_____ _____ X

Project would not impact long-term environmental goals.

3. Does the project have impacts which are individually limited, but cumulatively considerable? (A project may impact on two or more separate resources where the impact on each resource is relatively small, but where the effect of the total of those impacts on the environment is significant.)

_____ _____ X

No cumulative impacts would result from the implementation of this project.

4. Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?

_____ _____ X

Project would not have a substantial impact to humans.

INITIAL STUDY CHECKLIST

REFERENCES

A. Geology/Soils

- City of San Diego Seismic Safety Study, Updated June 1983.
- USGS San Diego County Soils Interpretation Study -- Shrink-Swell Behavior, 1969.
- Geology of the San Diego Metropolitan Area, California.
- U.S. Department of Agriculture Soil Survey - San Diego Area, California, Part I and II, December 1973.
- Site Specific Report: _____

B. Air - Not Applicable.

- Regional Air Quality Strategies (RAQS) - APCD.
- State Implementation Plan.
- Site Specific Report: _____

C. Hydrology/Water Quality

- Flood Insurance Rate Map (FIRM), September 29, 1989.
- Federal Emergency Management Agency (FEMA), National Flood Insurance Program - Flood Boundary and Floodway Map, September 29, 1989.
- Site Specific Report: _____

D. Biology

- Community Plan - Resource Element
- City of San Diego Vernal Pool Maps
- California Department of Fish and Game Endangered Plant Program - Vegetation of San Diego, March 1985.

___ Sunset Magazine, New Western Garden Book - Rev. ed. Menlo Park, CA - Sunset Magazine.

___ Robinson, David L., San Diego's Endangered Species, 1988.

___ California Department of Fish and Game, "San Diego Vegetation", March 1985.

___ California Department of Fish and Game, "Bird Species of Special Concern in California", June 1978.

___ State of California Department of Fish and Game, "Mammalian Species of Special Concern in California", 1986.

___ State of California Department of Fish and Game, "California's State Listed Threatened and Endangered Plants and Animals", January 1, 1989.

___ Code of Federal Regulations, Title 50, Part 10, "List of Migratory Birds."

___ Code of Federal Regulations, Title 50, Part 17, "Endangered and Threatened Wildlife and Plants", January 1, 1989.

___ Site Specific Report: _____

E. Noise

X Community Plan

___ San Diego International Airport - Lindbergh Field CNEL Maps, January 1987 - December 1987.

___ Brown Field Airport Master Plan CNEL Maps.

___ Montgomery Field CNEL Maps.

___ NAS Miramar CNEL Maps, 1976.

___ San Diego Association of Governments - San Diego Regional Average Weekday Traffic Volumes 1984-88.

___ San Diego Association of Governments - Average Daily Traffic Map, 1989.

___ San Diego Metropolitan Area Average Weekday Traffic Volume Maps, SANDAG, 1989.

___ Lindbergh Field Airport Influence Area, SANDAG Airport Land Use Commission.

City of San Diego Progress Guide and General Plan.

Site Specific Report: _____

F. Light, Glare and Shading - Not Applicable.

Site Specific Report: _____

G. Land Use

City of San Diego Progress Guide and General Plan.

Community Plan.

Airport Comprehensive Land Use Plan

City of San Diego Zoning Maps

FAA Determination

H. Natural Resources - Not Applicable.

City of San Diego Progress Guide and General Plan.

U.S. Department of Agriculture, Soil Survey - San Diego Area, California, Part I and II, December 1975.

California Department of Conservation - Division of Mines and Geology, Mineral Land Classification.

Division of Mines and Geology, Special Report 153 - Significant Resources Maps.

I. Recreational Resources

City of San Diego Progress Guide and General Plan.

Community Plan.

Department of Park and Recreation

City of San Diego - A Plan for Equestrian Trails and Facilities, February 6, 1975.

City of San Diego - San Diego Regional Bicycling Map

City of San Diego - Open Space and Sensitive Area Preservation Study, July 1984.

Additional Resources: _____

J. Population - Not Applicable.

____ City of San Diego Progress Guide and General Plan.

____ Community Plan.

____ Series VII Population Forecasts, SANDAG.

K. Housing - Not Applicable.

L. Transportation/Circulation

____ City of San Diego Progress Guide and General Plan.

X Community Plan.

____ San Diego Metropolitan Area Average Weekday Traffic Volume Maps, SANDAG, 1989.

____ San Diego Region Weekday Traffic Volumes 1984-88, SANDAG.

____ Site Specific Report: _____

M. Public Services - Not Applicable.

____ City of San Diego Progress Guide and General Plan.

____ Community Plan.

N. Utilities - Not Applicable.

O. Energy - Not Applicable.

P. Water Conservation - Not Applicable.

____ Sunset Magazine, New Western Garden Book. Rev. ed. Menlo Park, CA: Sunset Magazine.

Q. Neighborhood Character/Aesthetics

- City of San Diego Progress Guide and General Plan.
- Community Plan.
- Local Coastal Plan.

R. Cultural Resources

- City of San Diego Archaeology Library.
- Historical Site Board List.
- Community Historical Survey: _____
- Site Specific Report: _____

S. Paleontological Resources

- Kennedy, Michael P., and Gary L. Peterson, "Geology of the San Diego Metropolitan Area, California. Del Mar, La Jolla, Point Loma, La Mesa, Poway, and SW 1/4 Escondido 7 1/2 Minute Quadrangles," California Division of Mines and Geology Bulletin 200, Sacramento, 1975.
- Kennedy, Michael P., and Siang S. Tan, "Geology of National City, Imperial Beach and Otay Mesa Quadrangles, Southern San Diego Metropolitan Area, California," Map Sheet 29, 1977.
- Site Specific Report: _____

T. Human Health/Public Safety

- San Diego County Hazardous Materials Management Division
- FAA Determination
- State Assessment and Mitigation, Unauthorized Release Listing, Public Use Authorized February, 1994.
- Airport Comprehensive Land Use Plan Airport Land Use Planning Handbook.