



CITY OF HAYWARD AGENDA REPORT

AGENDA DATE 5/26/98

AGENDA ITEM 4

WORK SESSION ITEM _____

TO: Mayor and City Council
FROM: Director of Public Works
SUBJECT: **AUTHORIZATION FOR EXECUTION OF AN AGREEMENT FOR
PROFESSIONAL DESIGN SERVICES – REHABILITATE ARDEN AND
SHASTA TRUNKLINE SEWERS, PHASE II**

Recommendation:

It is recommended that the City Council authorize the execution of an agreement with Harris & Associates for Phase II of professional design services to rehabilitate the Arden trunkline sewer manholes and to rehabilitate and partially replace the Shasta trunkline sewer in an amount not to exceed \$65,000.

Background/Discussion:

Phase I professional services for the Arden and Shasta trunklines provided an engineering report that focused upon specific needs for rehabilitation and determined cost-effective remedial actions to be pursued and the associated costs. Phase II is the preparation of plans, specifications, and engineer's estimate for the rehabilitation that was recommended by Phase I.

The Arden and Shasta trunkline sewers are an integral and important part of the City's sanitary sewer system. The Arden trunkline conveys about 40 percent of all sewage flows to the City's Water Pollution Control Facility. It was constructed with 39-inch reinforced concrete pipe in 1966. Recent Closed Circuit Television (CCTV) inspection indicated that significant corrosion may have occurred, and potentially a major replacement project was necessary. Fortunately during the Phase I study, it was determined by tests of removed pipe samples that overall the pipe was in good condition and that at this time only the manholes need to be resurfaced.

The Shasta trunkline was constructed with 27-inch and 36-inch reinforced concrete pipe in 1952. Recent CCTV inspection disclosed that for a length of about 3,000 feet, the pipe had suffered moderate to severe corrosion, and where the line crosses beneath Highway 92, an offset has developed. The offset and corrosion have caused grease accumulation that has resulted in reduced hydraulic capacity. These conditions were confirmed by the Phase I study which also recommended options for rehabilitation.

Consultant Selection:

For Phase I, four engineering firms were requested to submit proposals. Harris & Associates was selected as the most qualified firm. On November 18, 1997, City council approved an agreement with Harris & Associates to provide Phase I, an engineering study. Staff recommends entering

into a follow-on contract for Phase II with Harris & Associates, as they provided an excellent report for Phase I and a cost-effective solution for the proposed rehabilitation. Harris & Associates proposes to use for this Phase II work, Minority Business Enterprise (MBE) subconsultant participation of 9.4% and Women Owned Business Enterprise (WBE) of 4.7%.

Project Cost:

The estimated costs for the two projects are as follows:

Construction cost	\$800,000
Design and administration	150,000
Inspection and construction surveys	50,000
Total	\$1,000,000

Funding:

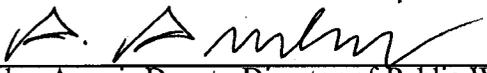
Based on the original assumption that major rehabilitation was required for both trunklines, a total of \$5,575,000 had been approved for these projects in the Sewer Collection System Replacement Fund of the 1997/98 Capital Improvement Program. Based on the significantly reduced scope, a total of \$1,000,000 has been included for the two projects in the proposed 1998/99 Capital Improvement Program.

Schedule:

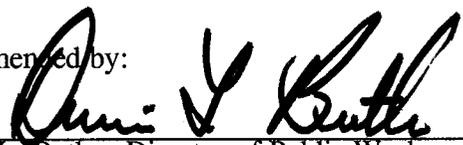
The following schedule has been developed for this project:

Begin design	1 June 1998
Design completion and call for bids	8 September 1998
Award construction contract	27 October 1998
Construction completion	30 June 1999

Prepared by:


Alex Ameri, Deputy Director of Public Works/Utilities

Recommended by:


Dennis L. Butler, Director of Public Works

Approved by:


Jesus Armas, City Manager

Attachments: Location Map

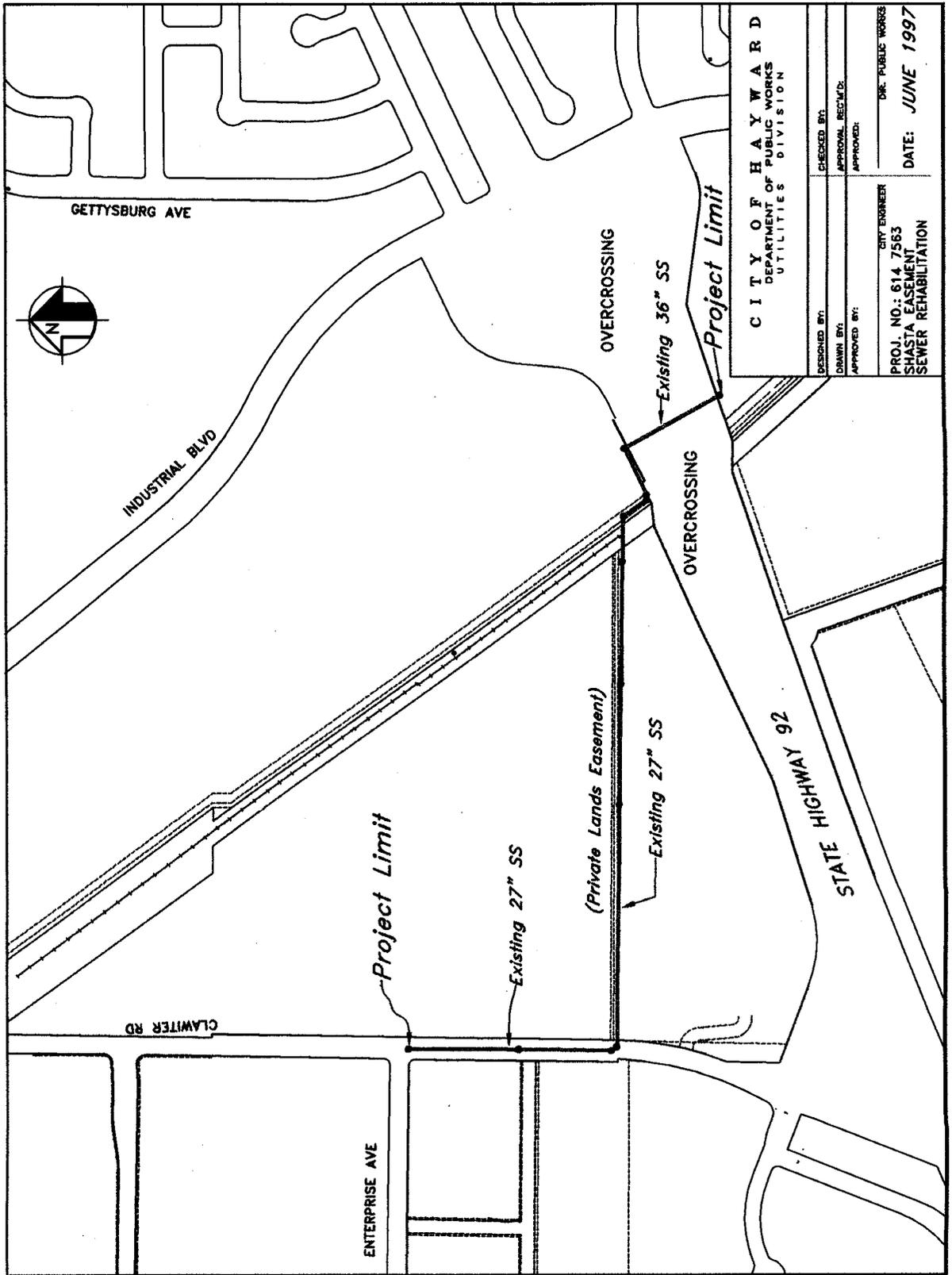


EXHIBIT A
SHASTA TRUNKLINE

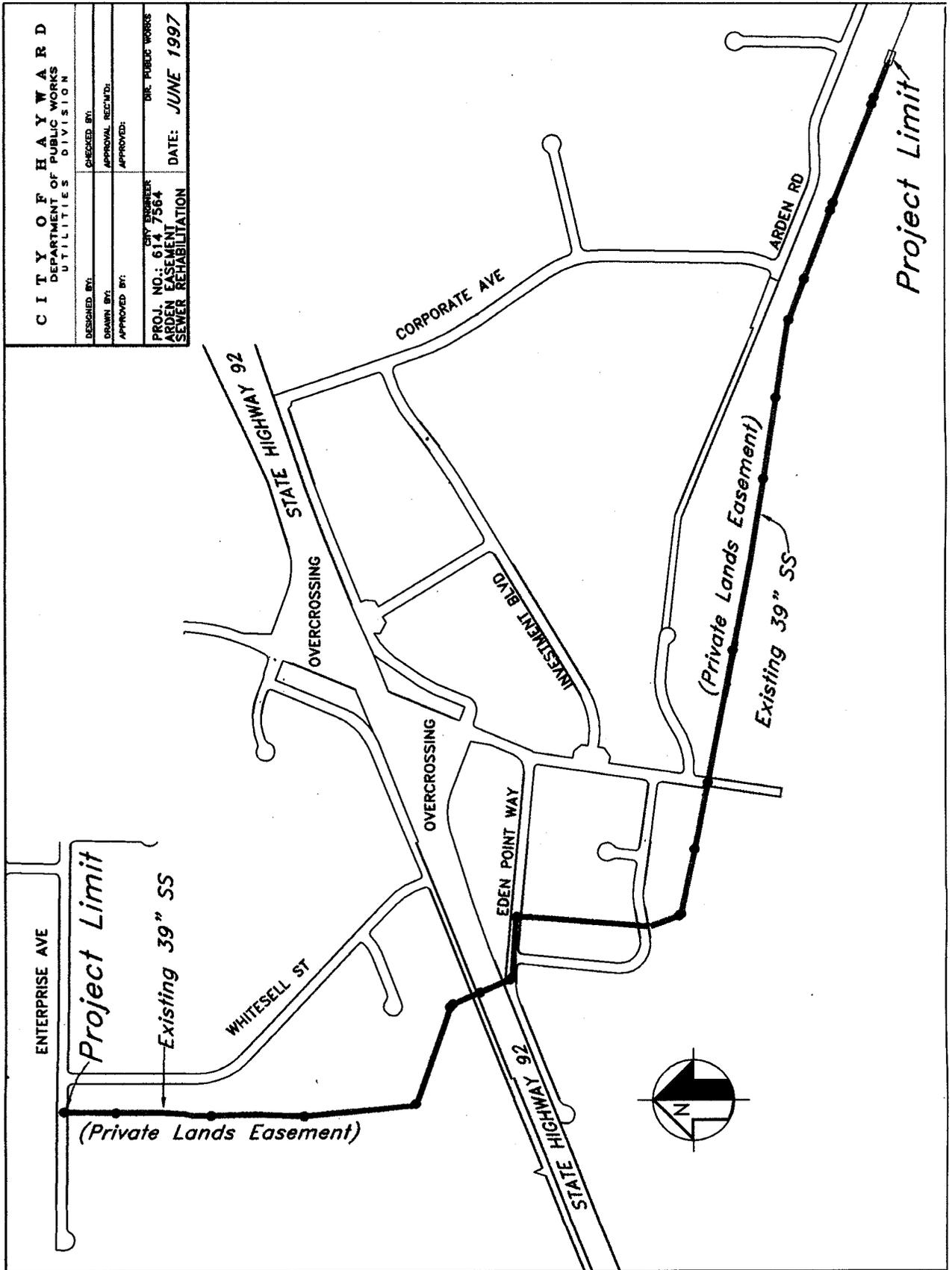


EXHIBIT B
ARDEN TRUNKLINE

DRAFT JB 5/14/98

HAYWARD CITY COUNCIL

RESOLUTION NO. _____

Introduced by Council Member _____

RESOLUTION AUTHORIZING THE CITY MANAGER
TO EXECUTE AGREEMENT BETWEEN THE CITY OF
HAYWARD AND HARRIS & ASSOCIATES FOR
PROFESSIONAL DESIGN SERVICES FOR PHASE II OF
THE REHABILITATION OF THE ARDEN AND SHASTA
TRUNKLINE SEWERS, PROJECT NO. 7563 & 7564

BE IT RESOLVED by the City Council of the City of Hayward that the City Manager is hereby authorized and directed to execute on behalf of the City of Hayward an agreement with Harris & Associates for professional design services to prepare plans, specifications, and construction cost estimates to rehabilitate the Arden trunkline sewer manholes and rehabilitate and partially replace the Shasta trunkline sewer in an amount not to exceed \$65,000, in a form to be approved by the City Attorney.

IN COUNCIL, HAYWARD, CALIFORNIA _____, 1998

ADOPTED BY THE FOLLOWING VOTE:

AYES:

NOES:

ABSTAIN:

ABSENT:

ATTEST: _____
City Clerk of the City of Hayward

APPROVED AS TO FORM:

City Attorney of the City of Hayward