3C100

ENGINEERING SUPPORT REQUEST

THIS SECTION TO BE COMPLETED BY REQUESTING ORGANIZATION

INITIATOR'S NAME: Tim Kramer / Mark Austin DATE INITIATED: 10-11-94

INITIATOR'S ORGANIZATION: Solar Ponds Projects PHONE # 8609

WCF#/CHARGE #: 989 884-DA

SERVICE(S) REQUIRED:

Provide a GES package for the removal of Building 964, as provided in the attached Engineering Work Plan. The Building is to be removed down to the concrete foundation and under the assumption that it will be disposed of as scrap material or waste to the landfill.

INITIATOR'S NEED DATE: 12/7/94	ESTIMATED HOURS FOR TASK: 100

INITIATOR'S SIGNATURE:

WORK PACKAGE MANAGER'S SIGNATURE: TC Kram 10-11-94	OTHER APPROVAL SIGNATURE (AS REQUIRED)

THIS SECTION TO BE COMPLETED BY ENGINEERING AND TECHNOLOGY

RESPONSIBLE E&T ORGANIZATION NAME: E&PM Project Engineering

ESTIMATED COMPLETION DATE: 12/7/94	ESTIMATED HOURS FOR TASK: 100

ACCEPTED (RESPONSIBLE ENGINEER):

PRINT Mark Austin SIGN Mark Austin PHONE 8609

ACCEPTED (RESPONSIBLE ENGINEERING MANAGER):

PRINT SIGN PHONE

DISTRIBUTION: ONE COPY TO EACH OF THE FOLLOWING -->

INITIATOR
WORK PACKAGE MANAGER
RESPONSIBLE ENGINEER
RESPONSIBLE ENGINEERING MANAGER
SYSTEMS ENGINEERING MANAGER

ADMIN RECORD

1/9

ENGINEERING WORK PLAN

FOR

BUILDING 964 REMOVAL

OCTOBER 1994

Mark Austin
Project Engineer

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CONCURRENCE SHEET

T. Kramer, Work Package Manager / Project Manager — Date: 10-11-94

M. R. Austin, Project Engineer — Date: 10/11/94

J. Fauble, ER Design Engineering — Date

Revision Record

Rev #	Purpose	Date	Approval(s)
0	Original Issue	10-10-94	

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1.0 Project Identification

The purpose of this project is to remove Building 964 to allow for the IM/IRA Phase I closure of the Solar Evaporation Ponds. The building is located east of 207B Center pond and consists of a wood frame structure covered with galvanized steel siding and a rolled asphalt roof. The building is used as a RCRA storage facility and does not have a history of contamination concerns.

2.0 Project Budget and Cost Plan

The project cost, based from the rough order of magnitude cost estimate from Tom Danielson in *?AUGUST 1994*, is $2,000,000. At the time, only limited information about the facility was available, and the scope estimate from Building 788 was used to develop the ROM number. Engineering & Project Management has prepared a scope level document and has proposed 80 hours to complete a General Engineering Services Title II package to remove the facility.

4.0 Project Justification

This project is required to allow for the optimization of the OU-4 Phase I IM/IRA.

5.0 Assumptions and Basis of Estimate

The engineering BOE's for Title II Design were provided by the engineering disciplines required for the project. The design hour commitments are listed below for Title II Activities:

Project Engineer	10	hours
Architectural Engineering	80	hours

Assumptions made consist of the following:

1. Relocation of the wastes (approximately 2092 drums) were not included in the scope.
2. The building was assumed to be "clean" from a radiological perspective and could be removed without special contamination concerns. Dick Norton of Rad Engineering stated that no rad concerns presently exist on the facility.
3. The building would be removed and disposed of as scrap material or wastes the landfill can take.
4. Rad./Haz. Monitoring will be required before anything can be released from the PA.

6.0 Relationship to Other Projects

This project is related to the OU-4 Phase I IM/IRA closure action. This building is to be removed prior to initiating the Phase I work.

7.0 Key Personnel and Responsibilities

Project Manager (PM) : T. Kramer

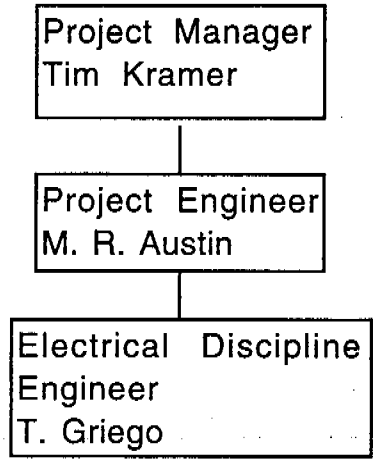
The PM is responsible for all DOE and 4700.1 reporting requirements for the project, work package development and maintenance, and provides the authorization to the Project Engineer to perform the design work for the project. The PM reports to the Program Manger for OU-4.

Project Engineer (PE): M. R. Austin

The PE is responsible for the technical baseline of the project and ensuring the design meets the needs of the PM. The PE is also responsible for coordination of the support disciplines, ensuring schedule and cost commitments for engineering activities are met, compilation of all support discipline deliverables to combine it into one completed Title design package, providing plantwide review of design packages, ensuring compliance with DOE 6430.1A, COEM and RFP Standards. The PE reports directly to the PM.

Architectural Engineer: L. Ehrlich

The architectural discipline engineer is responsible for providing a General Engineering Services (GES) design package which meets the needs identified in the scope document. The design should be in accordance with good engineering practices and meet all applicable requirements. The discipline engineer provides, as a deliverable to the PE, their completed drawings and specifications which meet the applicable design requirements. The discipline engineer is responsible for resolution of comments received from reviewers of the design package and receiving approvals required by their design managers.



Organizational Breakdown Structur

9.0 Schedule Requirements

(See Next Page)

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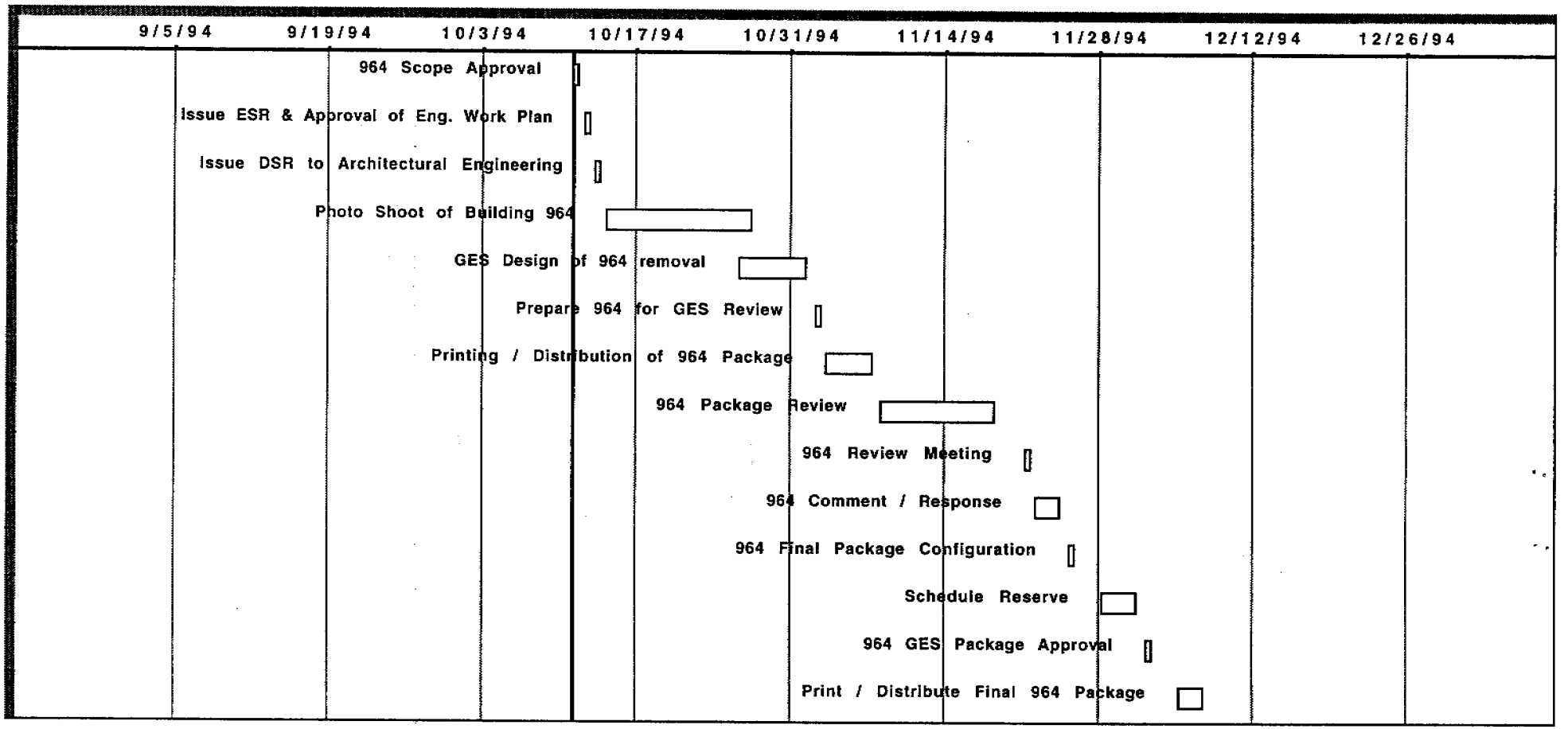

10/11/94

Building 964 Removal - EWP Schedule

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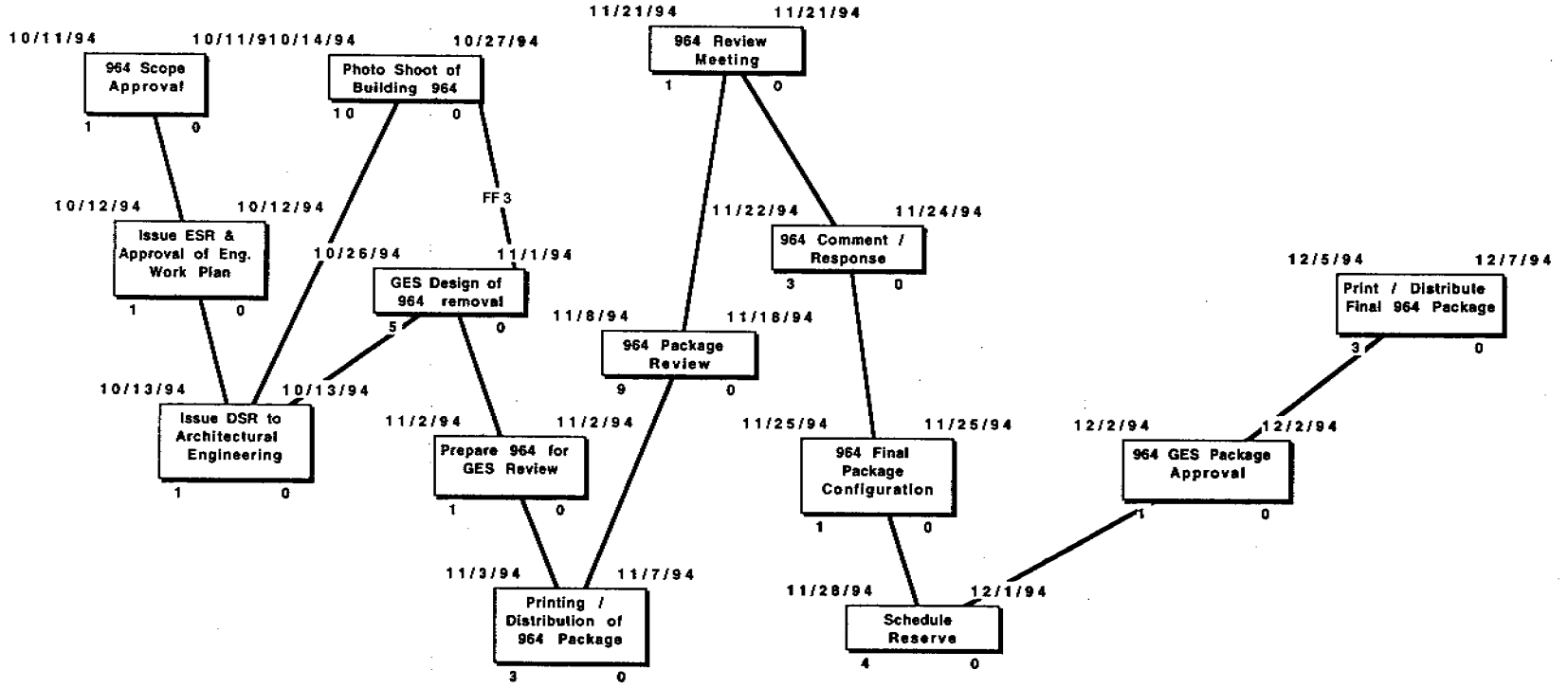
Name	Earliest Start	Earliest Finish	Duration	% Done
964 Scope Approval	10/11/94	10/11/94	1	0
Issue ESR & Approval of	10/12/94	10/12/94	1	0
Issue DSR to Architectural	10/13/94	10/13/94	1	0
Photo Shoot of Building	10/14/94	10/27/94	10	0
GES Design of 964	10/26/94	11/1/94	5	0
Prepare 964 for GES	11/2/94	11/2/94	1	0
Printing / Distribution of	11/3/94	11/7/94	3	0
964 Package Review	11/8/94	11/18/94	9	0
964 Review Meeting	11/21/94	11/21/94	1	0
964 Comment / Response	11/22/94	11/24/94	3	0
964 Final Package	11/25/94	11/25/94	1	0
Schedule Reserve	11/28/94	12/1/94	4	0
964 GES Package Approval	12/2/94	12/2/94	1	0
Print / Distribute Final	12/5/94	12/7/94	3	0



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Building 964 Removal - EWP Schedule

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