

START

0026799

ENGINEERING CHANGE NOTICE

Page 1 of 7

1. ECN 187757
Proj. ECN B-714-155

| | | | | |
|---|--|--|-------------------------------------|---|
| 2. ECN Category (mark one) | | Supplemental <input checked="" type="checkbox"/> | Change ECN <input type="checkbox"/> | Supersedeure <input type="checkbox"/> |
| Cancel/Void <input type="checkbox"/> | Direct Revision <input type="checkbox"/> | Temporary <input type="checkbox"/> | Discovery <input type="checkbox"/> | |
| 3. Originator's Name, Organization, MSIN, and Telephone No. T. K. Ehrhard, KEH, E6-42, 6-7412 | | | | 4. Date 10-16-92 |
| 5. Project Title/No./Work Order No. Grouted Waste Disposal Facilities B-714/ER8007 | | 6. Bldg./Sys./Fac. No. 218-E-16 | | 7. Impact Level 3Q/SC-2 |
| 8. Document Number Affected (include rev. and sheet no.) See Block 12 | | 9. Related ECN No(s). None | | 10. Related PO No. N/A |
| 11a. Modification Work <input type="checkbox"/> Yes (fill out Blk. 11b) <input checked="" type="checkbox"/> No (NA Blks. 11b, 11c, 11d) | 11b. Work Package Doc. No. N/A | 11c. Complete Installation Work N/A | | 11d. Complete Restoration (Temp. ECN only) N/A |
| Cog. Engineer Signature & Date | | | Cog. Engineer Signature & Date | |

12. Description of Change SC-2

Block 8: H-2-77586, Sh 1, Rev 1
 H-2-77590, Sh 1, Rev 1
 H-2-77602, Sh 1, Rev 1
 H-2-77602, Sh 2, Rev 2
 H-2-78464, Sh 1, Rev 1
 H-2-78473, Sh 1, Rev 1
 H-2-78473, Sh 2, Rev 2

 SEE SUCCEEDING PAGES FOR DESCRIPTION OF CHANGES

| | | | |
|--|---|--|---|
| 13a. Justification (mark one) | Criteria Change <input type="checkbox"/> | Environmental <input type="checkbox"/> | Facilitate Const. <input type="checkbox"/> |
| Design Error/Omission <input type="checkbox"/> | Design Improvement <input type="checkbox"/> | As-Found <input type="checkbox"/> | Const. Error/Omission <input checked="" type="checkbox"/> |

13b. Justification Details

(Item 1): Ref NCR B-714-99. In Leachate Pit, Vault 103, 3" pit drain constructed out of structural tolerance. The function of the pit drain & associated Drain Seal Assy are not impacted. (Item 2 thru 7): Ref NCR B-714-116. Excess Water Pits "D" for all vaults were constructed w/o conductor slot in south wall. Cable will be re-routed to existing slot at East wall which can accommodate all reqd cables. SAFETY CLASS 2 CHANGES DO NOT IMPACT THE INTEGRITY OF THE ORIGINAL FACILITY DESIGN.

14. Distribution (include name, MSIN, and no. of copies)

| | | |
|-------------------------|-------------------|-------------------------|
| <u>KEH DISTRIBUTION</u> | J. K. Epperley | R1-29 |
| Const Doc Cntl | E2-50 | K. S. McCullough N1-83 |
| | | R. K. Sanan [4] R4-05 |
| <u>WHC DISTRIBUTION</u> | T. W. Staehr (PE) | R3-27 |
| Project Files | R1-28 | J. E. Vanbeek R3-27 |
| R. E. Clayton | S1-54 | G. H. Weissberg R3-10 |
| M. W. Cling | H4-57 | DOE/A. G. Lassila A5-10 |
| STA. 6 | T2-03 | STA. 10 A3-87 |

RELEASE STAMP

OFFICIAL RELEASE

BY WHO 5

DATE

OCT 30 1992

Sta. 4

93129340618

ENGINEERING CHANGE NOTICE

| | | | | |
|---|----------------------|--------------------|----------------------------|-------|
| 15. Design Verification Required [X] Yes [] No | 16. Cost Impact | | 17. Schedule Impact (days) | |
| | ENGINEERING | CONSTRUCTION | Improvement | Delay |
| | Additional Savings | Additional Savings | [] | [] |
| | \$1160 ⁰⁰ | \$0 ⁰⁰ | [] | 27A |

18. Change Impact Review: Indicate the related documents (other than the engineering documents identified on Side 1) that will be affected by the change described in Block 12. Enter the affected document number in Block 19.

| | | | | | |
|--------------------------------|-----|----------------------------------|-----|-------------------------------|-----|
| SDD/DD | [] | Seismic/Stress Analysis | [] | Tank Calibration Manual | [] |
| Functional Design Criteria | [] | Stress/Design Report | [] | Health Physics Procedure | [] |
| Operating Specification | [] | Interface Control Drawing | [] | Spares Multiple Unit Listing | [] |
| Criticality Specification | [] | Calibration Procedure | [] | Test Procedures/Specification | [] |
| Conceptual Design Report | [] | Installation Procedure | [] | Component Index | [] |
| Equipment Spec. | [] | Maintenance Procedure | [] | ASME Coded Item | [] |
| Const. Spec. | [] | Engineering Procedure | [] | Human Factor Consideration | [] |
| Procurement Spec. | [] | Operating Instruction | [] | Computer Software | [] |
| Vendor Information | [] | Operating Procedure | [] | Electric Circuit Schedule | [] |
| OM Manual | [] | Operational Safety Requirement | [] | ICRS Procedure | [] |
| FSAR/SAR | [] | IEFD Drawing | [] | Process Control Manual/Plan | [] |
| Safety Equipment List | [] | Cell Arrangement Drawing | [] | Process Flow Chart | [] |
| Radiation Work Permit | [] | Essential Material Specification | [] | Purchase Requisition | [] |
| Environmental Impact Statement | [] | Fac. Proc. Samp. Schedule | [] | | [] |
| Environmental Report | [] | Inspection Plan | [] | | [] |
| Environmental Permit | [] | Inventory Adjustment Request | [] | | [] |

19. Other Affected Documents: (NOTE: Documents listed below will not be revised by this ECN.) Signatures below indicate that the signing organization has been notified of other affected documents listed below.

| | | |
|--------------------------|--------------------------|--------------------------|
| Document Number/Revision | Document Number/Revision | Document Number/Revision |
| | | |

20. Approvals

| | Signature | Date | Signature | Date |
|----------------------------|---------------------|----------|----------------------------------|----------|
| OPERATIONS AND ENGINEERING | | | ARCHITECT-ENGINEER | |
| Cog./Project Engineer | <i>W. Stachy</i> | 10/29/92 | PE <i>Opk</i> | 10/28/92 |
| Cog./Project Engr. Mgr. | <i>William Book</i> | 10/29/92 | QA <i>B.R. Fulmer</i> | 10-28-92 |
| QA | <i>W. Stachy</i> | 10/30/92 | Safety <i>D. Lundgren</i> | 10-27-92 |
| Safety | | | Design-STRL: <i>Mian Atay</i> | 10-21-92 |
| Security | | | Other-PIPING: <i>M.A. McLean</i> | 10-21-92 |
| Proj. Prog./Dept. Mgr. | | | ELEC: <i>A.R. Howlita</i> | 10-21-92 |
| Def. React. Div. | | | ENVIR: <i>R. H. ...</i> | 10-27-92 |
| Chem. Proc. Div. | | | PLE: <i>...</i> | 10-28-92 |
| Def. Wst. Mgmt. Div. | | | DEPARTMENT OF ENERGY | |
| Adv. React. Dev. Div. | | | | |
| Proj. Dept. | | | | |
| Environ. Div. | | | ADDITIONAL | |
| IRM Dept. | | | KEH CQA: <i>J. ...</i> | 10-29-92 |
| Facility Rep. (Ops.) | | | | |
| Other | | | | |

93129340619

- 1) H-2-77586, Sh 1, Rev 1
 A) Plan (Z E8): At the 1'-5" dimension add "SEE NOTE 16"
 B) Add Note 16 as follows:

16 - THE AS CONSTRUCTED DIMENSION OF THE LEACHATE PIT FOR VAULT 103 IS 1'-5 7/16". ALL OTHER LEACHATE PITS, IN RELATION TO THE PIT DRAINS, ARE CONSTRUCTED WITHIN SPECIFIED TOLERANCES.

- 2) H-2-77590, Sh 1, Rev 1
 Arrangement Plan (Z C3): At pit plan 102-D/103-D DELETE the SOUTH wall Conductor Slot and supporting 3'-0" dimension.
- 3) H-2-77602, Sh 1, Rev 1
 Plan, Assy 3 (Z E3-D4): Modify - see page 4 of this ECN.
- 4) H-2-77602, Sh 2, Rev 2
 Plan (Z E2-D3): Modify - see page 5 of this ECN.
- 5) H-2-78464, Sh 1, Rev 1
 Arrangement Plan (Z C3): At pit plan 104-D/105-D DELETE the SOUTH wall Conductor Slot and supporting 3'-0" dimension.
- 6) H-2-78473, Sh 1, Rev 1
 Plan, Assy 3 (Z E3-D4): Modify - see page 6 of this ECN.
- 7) H-2-78473, Sh 2, Rev 2
 Plan (Z E2-D3): Modify - see page 7 of this ECN.

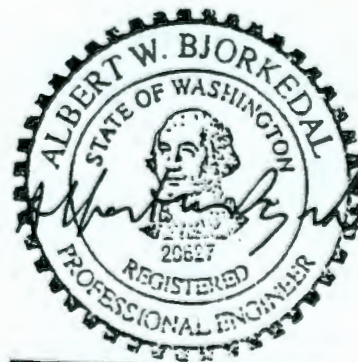
REGISTERED ENGINEER REVIEW
 STRL - Items 1, 2 & 5



10.28.92

EXPIRES 4/10/93

REGISTERED ENGINEER REVIEW
 PIPING - Items 3, 4, 6 & 7



10/25/92

EXPIRES 7/18/94

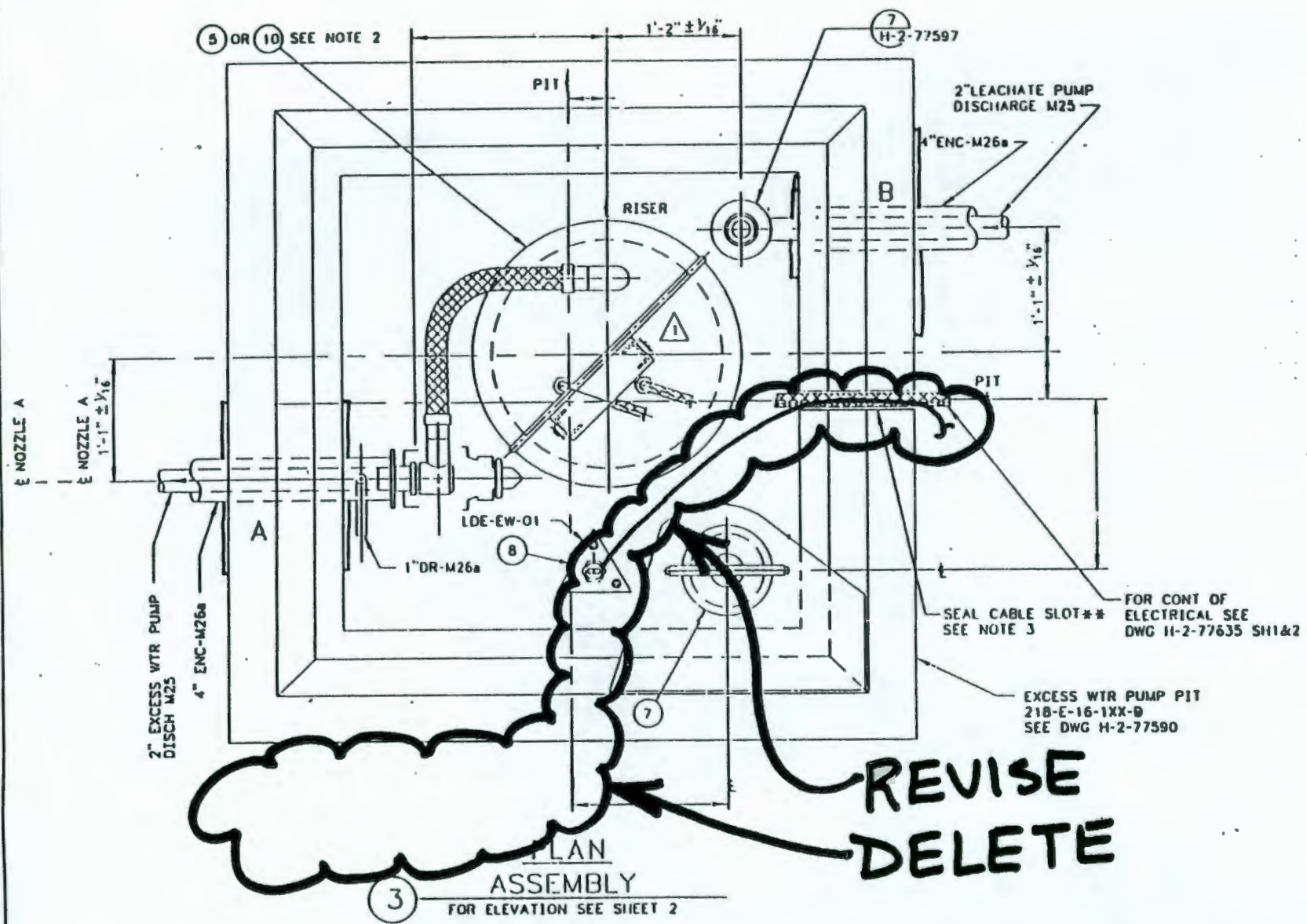
93129340620

9 3 1 2 9 3 4 0 6 2 1

KAISER ENGINEERS
HANFORD

ENGINEERING CHANGE NOTICE SKETCH

| | | | | | | |
|------------------------|----------|-----------|-----------------------------|----------------------------------|----------------------|-------------|
| Ref. Dwg. H-2-77602 | Sh. 1 | Rev. 1 | Prepared By T.K. EHRHARD | Checked By <i>M.A. McLean</i> | ECN No. B-714-155 | Page 417 |
|------------------------|----------|-----------|-----------------------------|----------------------------------|----------------------|-------------|



**REVISE
DELETE**

NOTE: SEE EXCESS WTR PUMP PIT PLAN ON SH 2 FOR ALTERNATE JUMPER ARRANGEMENT

9 3 1 2 9 3 4 0 6 2 2

KAISER ENGINEERS
HANFORD

ENGINEERING CHANGE NOTICE SKETCH

Ref. Dwg. H-2-77602

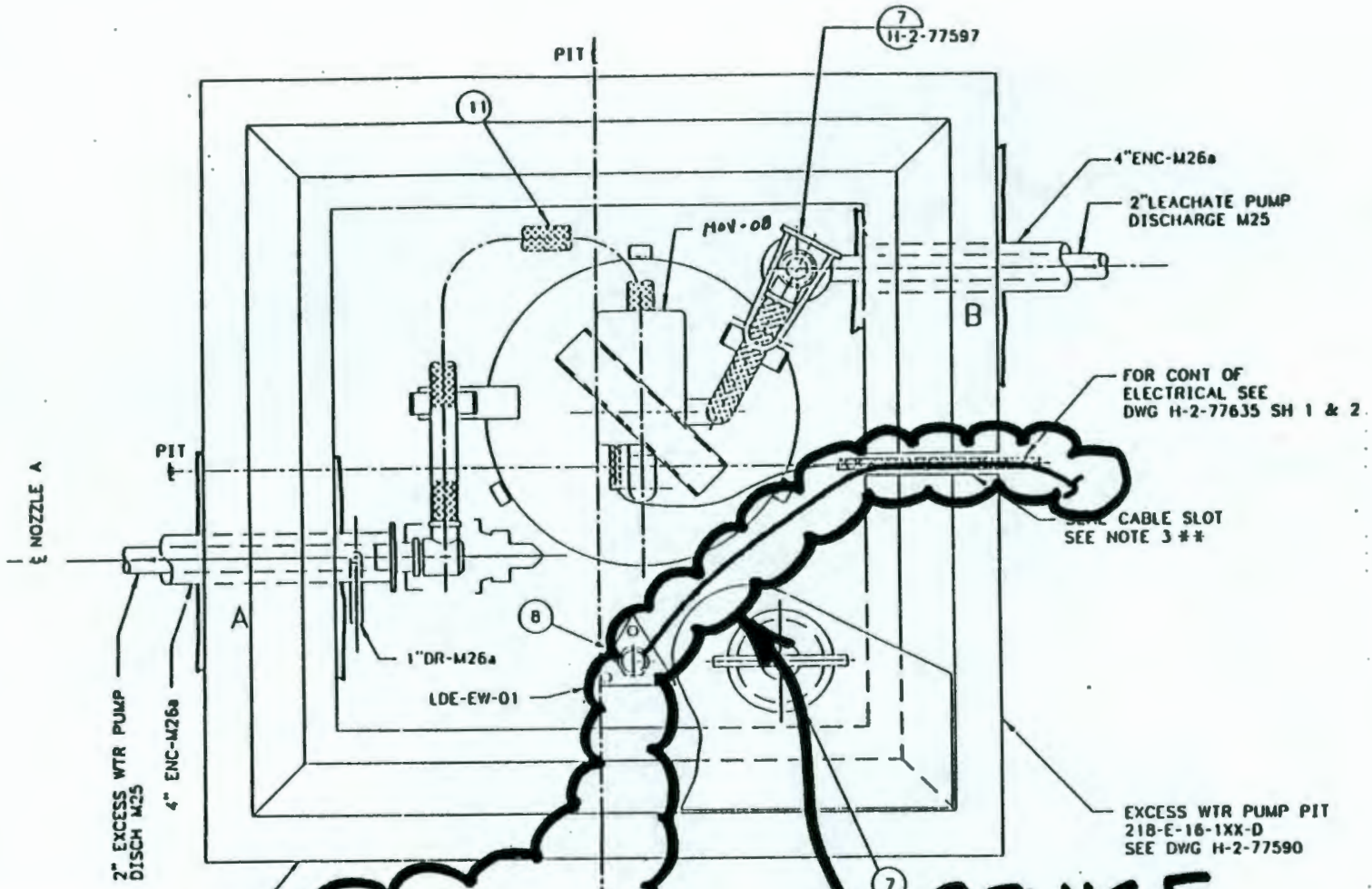
Sh. 2
Rev. 2

Prepared By T.K. EHRHARD

Checked By *M.A. McLean*

ECN No. B-714-155

Page 5/7



**REVISE
DELETE**

FOR EXCESS WTR PMP PIT PLAN, SECT AND DET SEE DWG H-2-77590

(ALTERNATE JUMPER ARRANGEMENT)

PLAN

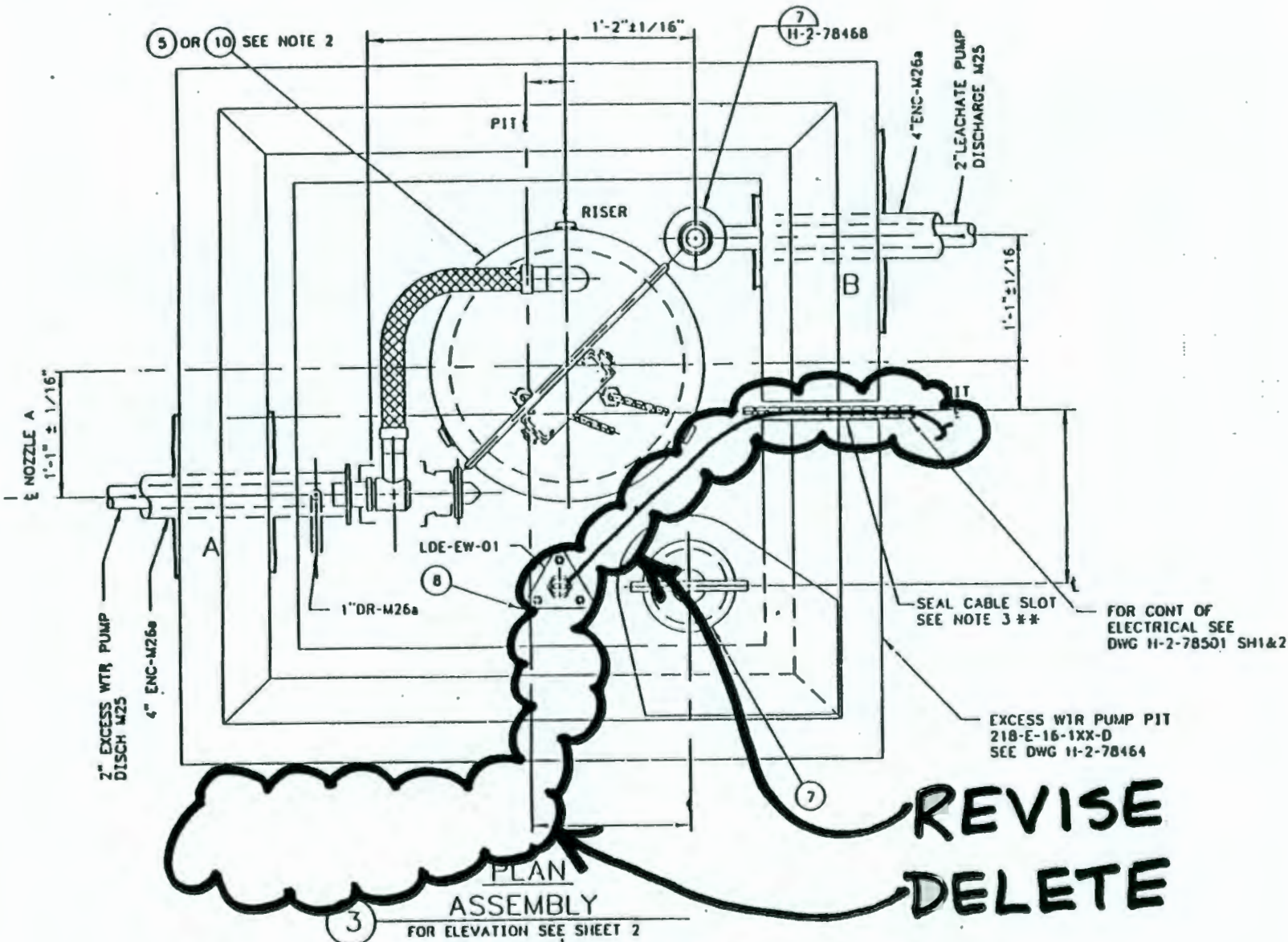
(SIMILAR TO ASSY 3 ON SH 1)

9 3 1 2 9 3 4 0 6 2 3

KAISER ENGINEERS
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ENGINEERING CHANGE NOTICE SKETCH

| | | | | | | |
|------------------------|----------|-----------|-----------------------------|----------------------------------|----------------------|-------------|
| Ref. Dwg. H-2-78473 | Sh. 1 | Rev. 1 | Prepared By T.K. EHRHARD | Checked By <i>M.A. McLean</i> | ECN No. B-714-155 | Page 617 |
|------------------------|----------|-----------|-----------------------------|----------------------------------|----------------------|-------------|



**REVISE
DELETE**

3
PLAN ASSEMBLY
 FOR ELEVATION SEE SHEET 2
 NOTE: SEE EXCESS WTR PUMP PIT PLAN ON SH 2
 FOR ALTERNATE JUMPER ARRANGEMENT

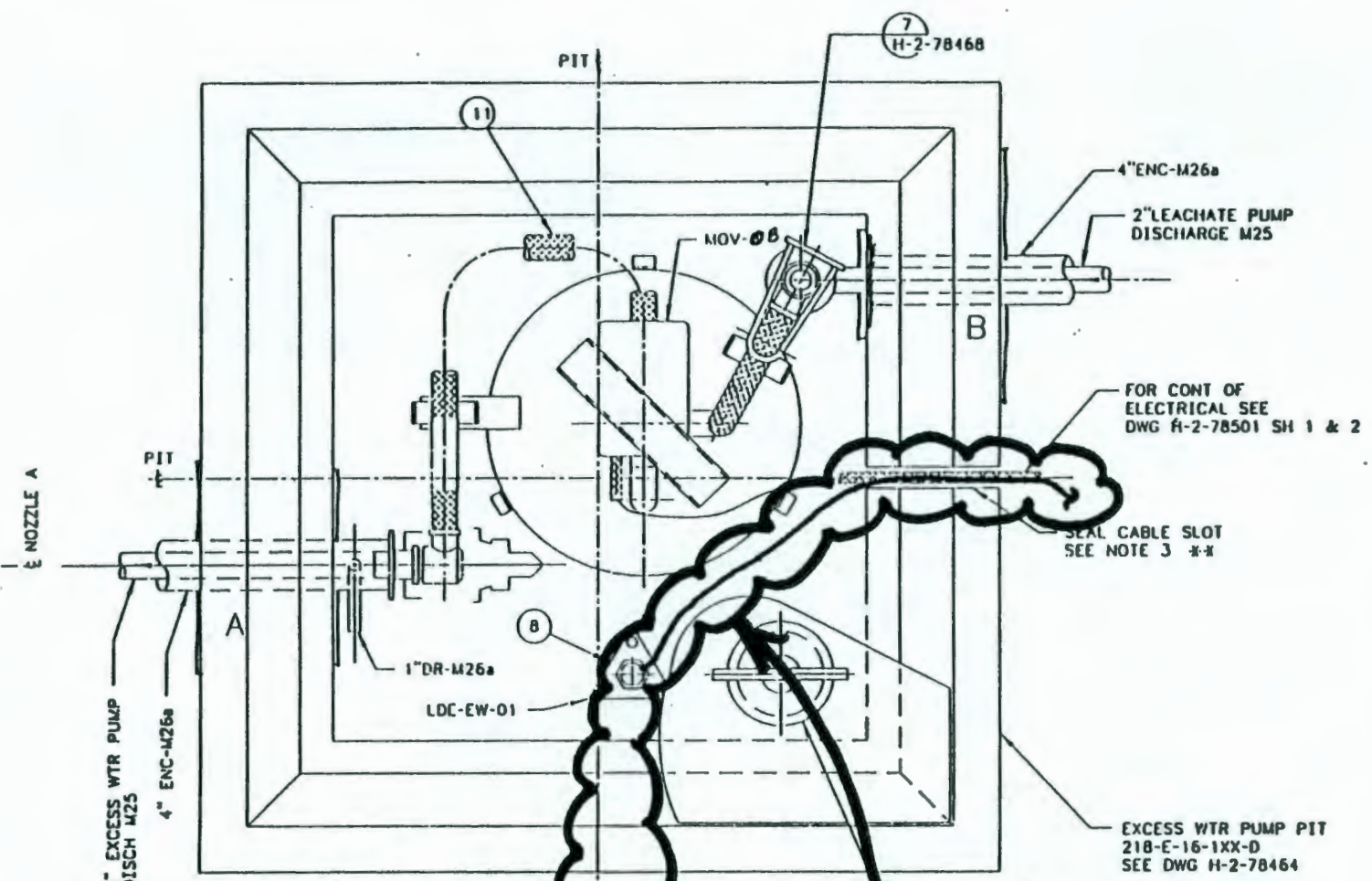
KEH-0159.00 (01/88)

9 3 1 2 9 3 4 0 6 2 4

KAISER ENGINEERS
HANFORD

ENGINEERING CHANGE NOTICE SKETCH

| | | | | | | | | | | | | | |
|-----------|-----------|-----|---|------|---|-------------|---------------|------------|---------------------|---------|-----------|------|-----|
| Ref. Dwg. | H-2-78473 | Sh. | 2 | Rev. | 2 | Prepared By | T. K. EHRHARD | Checked By | <i>M. A. McLean</i> | ECN No. | B-714-155 | Page | 717 |
|-----------|-----------|-----|---|------|---|-------------|---------------|------------|---------------------|---------|-----------|------|-----|



**REVISE
DELETE**

(ALTERNATE JUMPER ARRANGEMENT)
PLAN
(SIMILAR TO ASSY 3 ON SH 1)