

START

ENGINEERING CHANGE NOTICE

0012015

1. ECN ~~XXXXXXXX~~
~~XXXXXXXX~~

Page 1 of 4

Proj. ECN B-714-56

2. ECN Category (mark one)
- Supplemental
 - Direct Revision
 - Change ECN
 - Temporary
 - Supersedure
 - Discovery
 - Cancel/Void

3. Originator's Name, Organization, MSIN, and Telephone No.
RON G. HOLLENBECK, KEH, E6-25, 6-1836

4. Date
08-29-90

5. Project Title/No./Work Order No.
SEE BLOCK 12

6. Bldg./Sys./Fac. No.
218-E-16

7. Impact Level
3

8. Document Number Affected (include rev. and sheet no.)
SEE BLOCK 12

9. Related ECN No(s).
B-714-52

10. Related PO No.
N/A

- 11a. Modification Work
- Yes (fill out Blk. 11b)
 - No (NA Blks. 11b, 11c, 11d)

11b. Work Package Doc. No.
UNKNOWN

11c. Complete Installation Work

Cog. Engineer Signature & Date

11d. Complete Restoration (Temp. ECN only)

Cog. Engineer Signature & Date

12. Description of Change

Block 5: B-714, GROUT VAULT PAIR (218-E-16-102 & 103)(218-E-16-104 & 105)/ER8007

Block 8: AFFECTED DOCUMENTS (DRAWINGS)

VAULTS 102 & 103

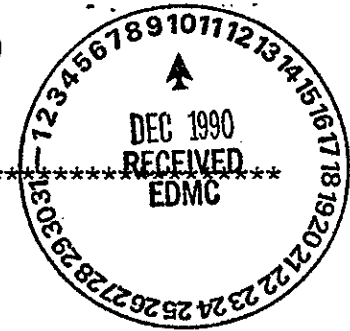
VAULTS 104 & 105

H-2-77583, SH 1, REV 0

H-2-78452, SH 1, REV 0

AFFECTED DOCUMENTS (SPECIFICATION)

SPECIFICATION B-714-C2, REV 0 (V-B714C2-003, REV 0)



- 1) H-2-77583, SH 1, REV 0 (affects ECN B-714-52, PAGE 5)
DETAIL 1: MODIFY - see page 3 of this ECN
- 2) H-2-78452, SH 1, REV 0 (affects ECN B-714-52, PAGE 7)
DETAIL 1: MODIFY - see page 4 of this ECN
- 3) SPECIFICATION B-714-C2, REV 0 (Affects ECN B-714-19, B714-29) ^{KEB 9/30/90}
A) SECTION 02145, PARA 2.1.4:
CHANGE Coefficient of Water Permeability Value to 0.2
CHANGE Apparent Opening Size Value to 70-140
B) ECN B-714-52, pg 4, item E (affects SECTION 02756, PARA 2.1.1)
DELETE Puncture Strength ASTM D 4833 100

- 13a. Justification (mark one)
- Criteria Change
 - Design Improvement
 - Environmental
 - As-Found
 - Facilitate Const.
 - Const. Error/Omission
 - Design Error/Omission

13b. Justification Details
PERMEABILITY AND APPARENT OPENING SIZE WERE OVERLY RESTRICTIVE FOR INTENDED USE AS CONCRETE CONSTRUCTION AID. DRAWING DETAILS CHANGED TO FACILITATE CONSTRUCTION (Ref: WASH DEPT OF ECOLOGY LTR dtd 8-7-90, RE: GROUT WASTE FACILITY)

STATION 10 A3-87
LUPE GARCIA A3-80

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

KEH DISTRIBUTION

Const Doc Cntl E2-50
Engrg Doc Cntl E6-52

WHC DISTRIBUTION

Project Files R1-28
S. R. Briggs(PE R3-27
J. K. Epperley S0-05

WHC DISTR. (con't)

Q. A. Halverson R3-09
J. F. Hill [2] H4-57
J. R. McGee S1-54
D. B. Powell [4] R4-03
J. E. Vanbeek R3-27

DOE

A. G. Lassila A5-18

RELEASE STAMP

OFFICIAL RELEASE BY WHC

DATE SEP 04 1990

STATION #4

91120551673

ENGINEERING CHANGE NOTICE

1. ECN (use no. from pg: 1)
B-714-56

15. Design Verification Required

Yes
 No

16. Cost Impact

ENGINEERING

Additional \$ 975
Savings \$ _____

CONSTRUCTION

Additional \$ 3500
Savings \$ _____

17. Schedule Impact (days)

Improvement NA
Delay _____

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

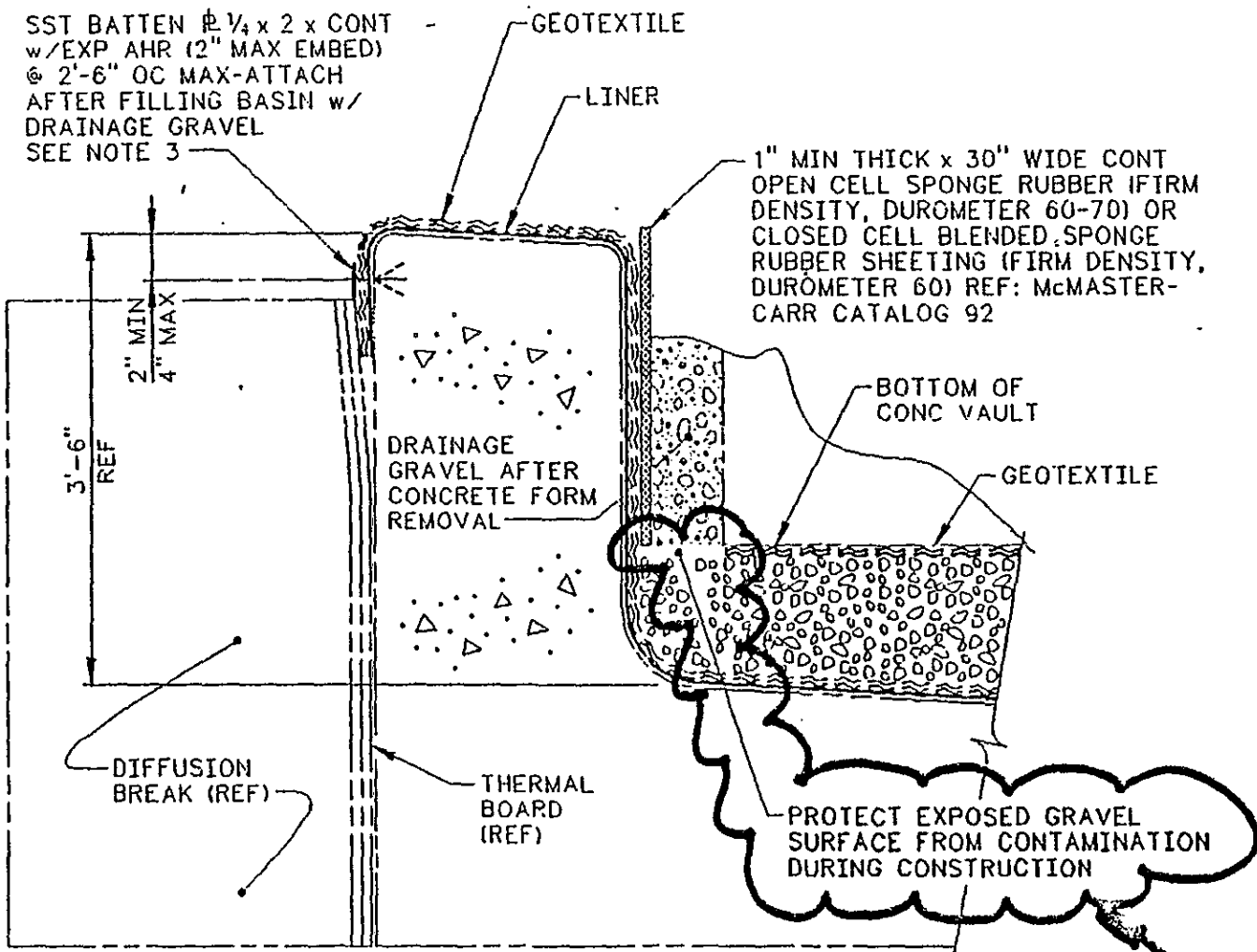
Document Number/Revision	Document Number/Revision	Document Number/Revision
_____	_____	_____
_____	_____	_____
_____	_____	_____

20. Approvals

	Signature	Date		Signature	Date
OPERATIONS AND ENGINEERING			ARCHITECT-ENGINEER		
Cog./Project Engineer	<u>LR Buegler</u>	<u>8/31/90</u>	PE	<u>KC Buegler</u>	<u>8/30/90</u>
Cog./Project Engr. Mgr.	<u>JE Van Block</u>	<u>8/31/90</u>	QA	<u>TO Hump</u> <small>KC B for 8/31/90</small> <u>LA Gaddis</u>	<u>8/30/90</u>
QA	<u>Joseph Miller</u>	<u>8/31/90</u>	Safety	<u>J. Bachelder</u>	<u>8-30-90</u>
Safety	<u>NA</u>	_____	Design	<u>ENVIR R. Hellenbeck</u>	<u>8/30/90</u>
Security	_____	_____	Other	<u>PLE Mizi</u>	<u>8/30/90</u>
Proj. Prog./Dept. Mgr.	_____	_____		<u>R. Hellenbeck</u>	<u>8/30/90</u>
Def. React. Div.	_____	_____	DEPARTMENT OF ENERGY		
Chem. Proc. Div.	_____	_____	_____		
Def. Wst. Mgmt. Div.	_____	_____	_____		
Adv. React. Dev. Div.	_____	_____	_____		
Proj. Dept.	_____	_____	_____		
Environ. Div.	_____	_____	_____		
IRM Dept.	_____	_____	_____		
Facility Rep. (Ops)	_____	_____	_____		
Other	_____	_____	_____		
	_____	_____	_____		
	_____	_____	_____		

Ref. Dwg. ECN B-714-515	Sh. 5	Rev. —	Prepared By TK EHRHARD	Checked By <i>T. Anderson</i>	ECN No. B-714-56	Page 3/4
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REF: H-2-77583, SH1, REV 0



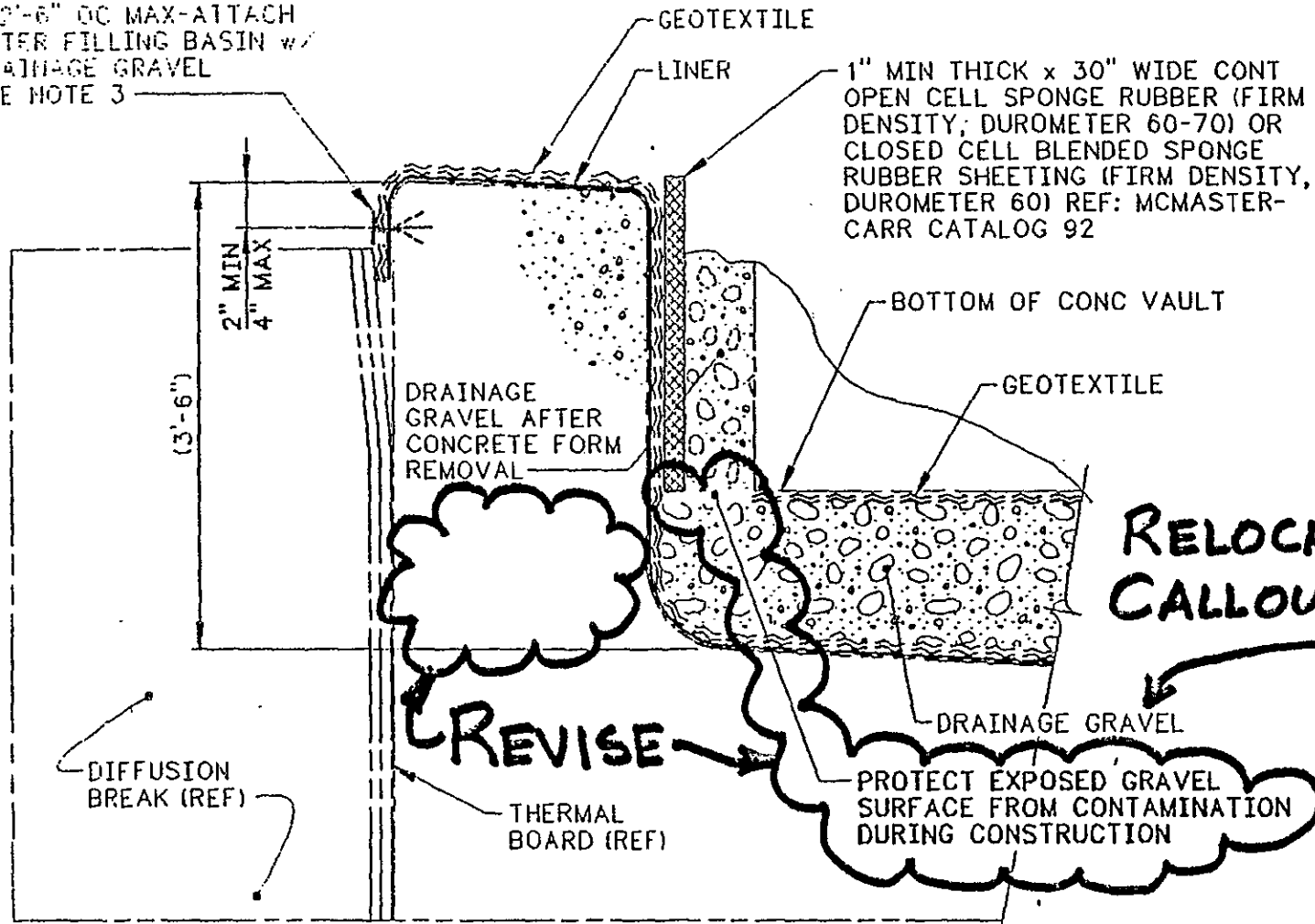
REVISE

DETAIL **(1)**
SCALE: NONE

Ref. Dwg. ECN B-714-52	Sh. 7	Rev. 1	Prepared By TK EHRHARD	Checked By T. J. ...	ECN No. B-714-56	Page 4/4
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REF: H-2-78452, SH1, REV 0

SST BATTEN $\phi 1/4 \times 2$ CONT
w/EXP AHR (2" MAX EMBED)
@ 3'-6" OC MAX-ATTACH
AFTER FILLING BASIN w/
DRAINAGE GRAVEL
SEE NOTE 3



DETAIL 1
SCALE: NONE