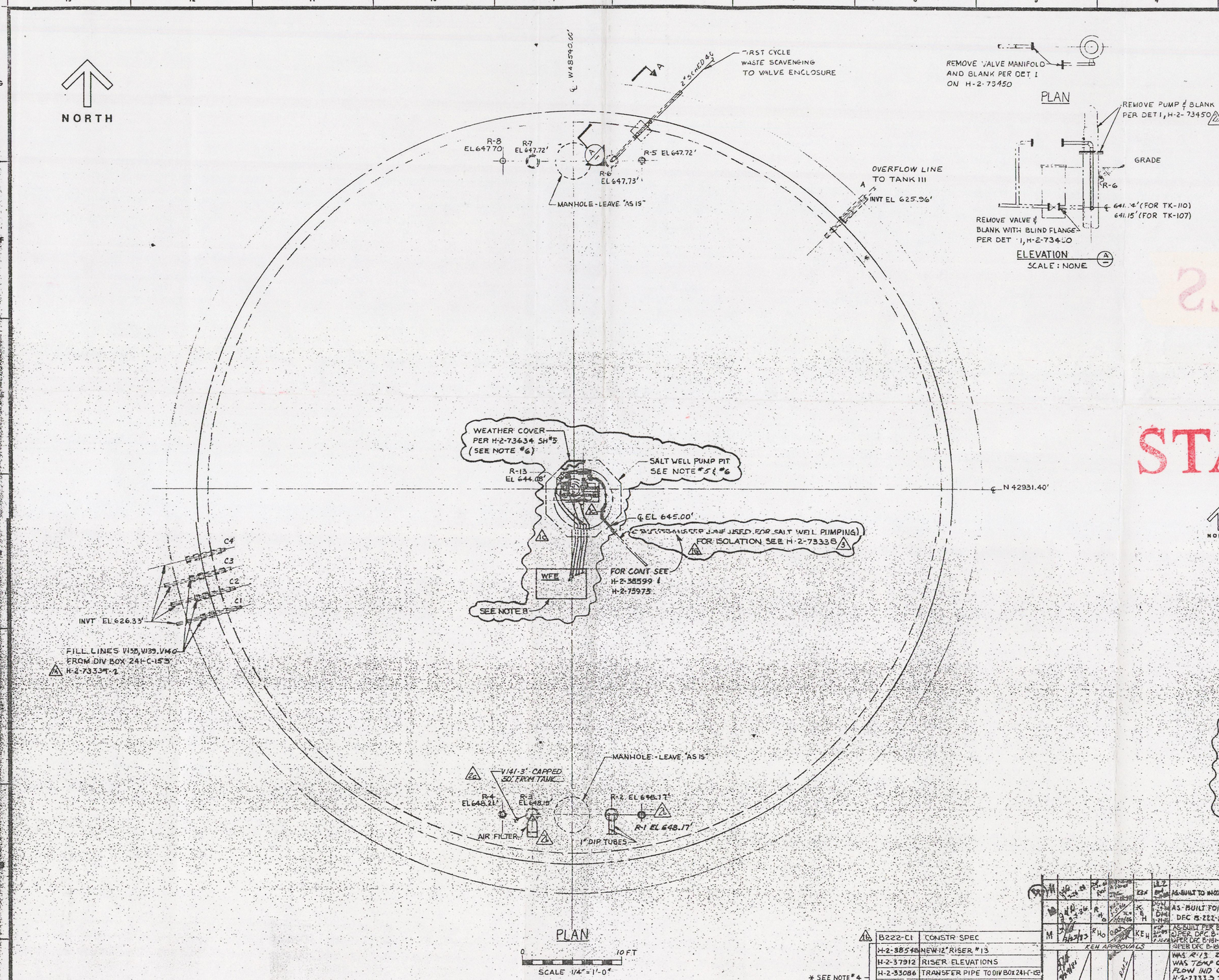




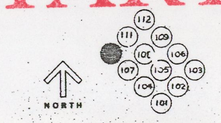


NOZZLE AND RISER SCHEDULE

| RISER NO | SIZE | IDENTIFICATION | REFERENCE AND COMMENTS |
|---|---|---|---|
| 241-C-110 R-13 | 12" | SALT WELL PUMP PIT | LEAVE "AS IS" SEE NOTE #5 & #6 |
| R-1 | 4" | SPARE | [illegible] |
| R-3 | 12 | SPARE | INSTALL [illegible] PER H-2-93726 |
| R-4 | 4" | LIQUID LEVEL REF | [illegible] |
| R-2 | 12" | DIP TUBES | REMOVE DIP TUBES & BLANK PER DET 1, H-2-73450 |
| R-5 | 4" | FIC | [illegible] |
| R-6 | 12 | PUMP | SEE ELEVATION A THIS DWG |
| R-7 | 2" | OBSERVATION PORT | INSTALL PER H-2-93726 (PROJ B-222) |
| R-8 | 4" | THERMOCOUPLE | LEAVE "AS-IS" SEE GEN NOTE #2, H-2-73051 SH#3 |
| | | | |
| NOZZLE NO | | | |
| A | 3" | OVERFLOW OUTLET | LEAVE "AS IS" |
| C1 | 3" | FILL LINE | LEAVE "AS IS", SEALED IN DIVERSION BOX 241-C-153, H-2-73339 SH#2 |
| C2 | 3 | FILL LINE | |
| C3 | 3" | FILL LINE | |
| C4 | 3" | SPARE | LEAVE "AS IS", CAPPED PER HW-72743 |

START

START A-T053 0031267




KEY PLAN
241-C TANK FARM
SCALE: NONE

OCT 1993 RECEIVED EDMC

NOTES:

1. FOR GENERAL NOTES AND LEGEND SEE DWG H-2-73051 SH3.
2. APPROX GRADE EL AT CENTER OF TANK 647.00'.
3. SEE DWG INDEX (H-2-73051) FOR DWG NUMBERS NOT LISTED IN REFERENCE COLUMN.
4. * DENOTES REFERENCES NOT PERTINENT TO NEW CONSTRUCTION (AS-BUILT TK INFORMATION).
5. INSTALLATION OF SALT WELL EQUIPMENT WAS PERFORMED UNDER PROJECT B-171c, H-2-73973.
6. INSTALLATION OF SALT WELL PUMP PIT, WEATHER COVER & ISOLATION OF TRANSFER PIPE & MOTOR CONTROL CENTER WILL BE PERFORMED AFTER THE COMPLETION OF THE SALT WELL PUMPING EFFORT.
7. CLOUDED AREAS TO BE ISOLATED AT COMPLETION OF SALT WELL PUMPING.
8. AT CONCLUSION OF SALT WELL PUMPING FOR THIS TANK, ISOLATE WEIGHT FACTOR ENCLOSURE PER DET 4, H-2-73451. AT CONCLUSION OF SALT WELL PUMPING FOR THE ENTIRE 241-C TANK FARM, ISOLATE WT FACTOR ENCL PER DET 5, H-2-73451 & WEATHER COVER PER H-2-73634 SH11.

REV 1 DOE [illegible] DATE 9/30/91

RELEASED FOR CONSTRUCTION BY [illegible] DATE 2/26/90 DOE

| | |
|---|---|
| B222-C1 | CONSTR SPEC |
| H-2-88548 | NEW 12" RISER #13 |
| H-2-37912 | RISER ELEVATIONS |
| H-2-33086 | TRANSFER PIPE TO DIV BOX 241-C-153 |
| H-2-2909 | FIRST CYCLE WASTE SCAVENGING |
| H-2-1744 | TK FARM RISER & NOZZLE EL |
| H-2-37010 | 241-C-110 TK ARR AS BUILT |
| H-2-38599 | SALT WELL PUMP PIT |
| HW-72743 | 241-C STORAGE TANK ARR |
| H-2-61962 | PLOT PLAN 241-C TK FARM |
| H-2-73051 | DRAWING LIST |
| NUMBER | TITLE |
| REFERENCES | |
| NEXT USED ON | |

* SEE NOTE #4

| REV NO | DESCRIPTION | LAST REV |
|---|---|---|
| 4 | AS-BUILT TO INCORP ECN B-222-99 | |
| 3 | AS-BUILT FOR PROJ B-222 PH 1 DFC B-222-89 Z D7 & 8 | |
| 2 | AS-BUILT PER B-142/181 PROJECT. a) PER DFC B-181-116-ZN B9 b) PER DFC B-181-81 ZN G1-2, B8, B9 c) PER DFC B-181-108 ZN G1-2. | |
| 1 | WAS R-13 ZN F3. WAS TEMP CONT ZN G3 A) FLOW IND CONT ZN G3 K) H-2-73333 ZN C/3 j) WAS ISOLATION REF ZN D8 h) WAS ADDED NOTE ZN C3 g) ADDED FUTURE PROJECT ZN C3 f) a) WAS "WILL BE" ZN C3 e) WAS c) ADDED CLOUDED AREA ZN D9 B-222-C1 CONSTR SPEC ZN B6 d) ADDED NOTE 7 ZN C3 b) ADDED | 4 |

KEW APPROVALS — RHO — VITRO

| MICRO FWD | CLIENT APPROVAL BY-DATE | FOR | APPROVED BY-DATE | FOR | REV BY DATE |
|---|---|---|---|---|---|
| | | | | | |

REVISIONS — COMMENT REVIEW

| | | DATE |
|---|---|---|
| CLIENT APPROVAL | K B Fenton FOR ROCKWELL | 7/21/92 |
| PROJ ENGR | [illegible] | 7/6/92 |
| DESIGN | [illegible] | 7/6/92 |
| DRAFT | JA Shepherd | 7/7/92 |
| QA | [illegible] | 7/6/92 |
| GROUP MGR | [illegible] | 7/6/92 |
| DESIGN ENGR | [illegible] | 7/6/92 |
| WELDING | | |
| CHECKED | J. Dovey | 7/24/92 |
| DRAWN | JO REID | 7/24/92 |

CLASSIFICATION: NONE — BY: NOT REQ'D

VITRO JOB NO. R131A2

U. S. Department of Energy
Richland Operations Office

VITRO ENGINEERING CORPORATION

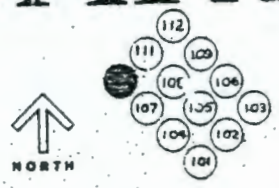
PIPING
WASTE TANK ISOLATION
TK 241-C-110

PROJ NO. B-181 — WO NO X18102 — PROJECT TITLE ISOLATION OF SINGLE SHELL TANKS
SCALE SHOWN — BLDG NO. 241-C — DRAWING NO. 0110-C402
DRAWING NUMBER H-2-73350 — SHEET — OF —

DRAWING 44-42-3550

START

0031267




KEY PLAN
241-C TANK FARM
SCALE: NONE

OCT 1993
RECEIVED
EDMC

NOTES:

1. FOR GENERAL NOTES AND LEGEND SEE DWG H-2-73051 SH 3.
2. APPROX GRADE EL AT CENTER OF TANK 647.00'.
3. SEE DWG INDEX (H-2-73051) FOR DWG NUMBERS NOT LISTED IN REFERENCE COLUMN.
4. * DENOTES REFERENCES NOT PERTINENT TO NEW CONSTRUCTION (AS-BUILT TK INFORMATION).
5. INSTALLATION OF SALT WELL EQUIPMENT WAS PERFORMED UNDER PROJECT B-171c, H-2-73973.
6. INSTALLATION OF SALT WELL PUMP PIT, WEATHER COVER & ISOLATION OF TRANSFER PIPE & MOTOR CONTROL CENTER WILL BE PERFORMED AFTER THE COMPLETION OF THE SALT WELL PUMPING EFFORT.
7. CLOUDED AREAS TO BE ISOLATED AT COMPLETION OF SALT WELL PUMPING.
8. AT CONCLUSION OF SALT WELL PUMPING FOR THIS TANK, ISOLATE WEIGHT FACTOR ENCLOSURE PER DET 4, H-2-73451. AT CONCLUSION OF SALT WELL PUMPING FOR THE ENTIRE 241-C TANK FARM, ISOLATE WT FACTOR ENCL PER DET 5, H-2-73451 & WEATHER COVER PER H-2-73634 SH 11.

REV 1 DOE DATE 9/30/81

RELEASED FOR CONSTRUCTION
BY DOE DATE 2/26/80

| BY | DATE | FOR | REV BY DATE | DESCRIPTION | REV NO |
|---|---|---|---|---|---|
| | | | | AS-BUILT TO INCORP ECN B-222 | 4 |
| | | | | AS-BUILT FOR PROJ B-222 PH 1 DFC B-222-83 Z D7 & 8 | 3 |
| | | | | AS-BUILT PER B-145/18L PROJECT. a) PER DFC B-181-1Kg-ZN B3 b) PER DFC B-181-81 ZN G1-2, B8, B9 c) PER DFC B-181-108 ZN G1-2. | 2 |
| | | | | WAS R-13 ZN P3. WAS TBNP CONT ZN G3 h) FLOW IND CONT ZN G3 k) H-2-73333 ZN C/3 j) WAS ISOLATION REF ZN D8 h) WAS ADDED NOTE ZN C3 G) ADDED FUTURE PROJECT ZN C3 f) d) WAS "WILL BE" ZN C3 e) WAS c) ADDED CLOUDED AREA ZN D9 B222-C1 CONSTR SPEC ZN B6 a) ADDED NOTE 7 ZN C3 b) ADDED | 1 |

APPROVED

REVISIONS

LAST REV 4

| | | DATE |
|---|---|---|
| CLIENT APPROVAL BY | K.B. Fadan FOR ROCKWELL | 2/21/80 |
| PROJ ENGR | | 3/1/80 |
| DESIGN | | 3/1/80 |
| SAFETY | IA Shepherd | 3/12/80 |
| QA | | 3/12/80 |
| GROUP MGR | | 4/1/80 |
| DESIGN ENGR | | 4/1/80 |
| WELDING | | |
| CHECKED | J. Dovey | 3/24/81 |
| DRAWN | JO REID | 3/24/81 |

CLASSIFICATION: NONE
BY: NOT REQ'D

VITRO JOB NO. R131A2

U. S. Department of Energy
Richland Operations Office

VITRO ENGINEERING CORPORATION

PIPING
WASTE TANK ISOLATION
TK 241-C-110

PROJ NO. B-181
WO NO. X18102
PROJECT TITLE: ISOLATION OF SINGLE SHELL TANKS
SCALE: SHOWN
BLDG NO. 241-C
MODEL NO. 0110-C402
DRAWING NUMBER: H-2-73350
SHEET —
OF —

4 3 2 1

16X