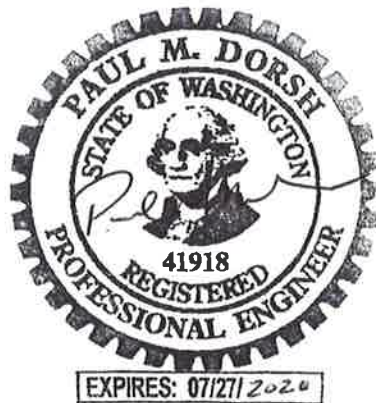


GENERAL NOTES: UNLESS OTHERWISE SPECIFIED

- SOME EQUIPMENT NOT SHOWN FOR CLARITY.
 - ALL COORDINATES SHOW IN THE 200E HANFORD COORDINATE SYSTEM, ALL ELEVATIONS SHOWN IN FEET.
 - WELD AND INSPECT STRUCTURAL WELDS PER AWS D1.1, 2015, OR AWS D1.6, 2017, FOR STATICALLY LOADED STRUCTURES. WELDING PROCEDURES AND QUALIFICATIONS PER ASME SECTION IX ARE ACCEPTABLE. ALL WELDS SHALL BE EXAMINED BY AWS QC-1 CERTIFIED WELD INSPECTOR.
 - PREPARE AND PAINT ALL SHIELDING PLATES AND EXPOSED CARBON STEEL SURFACES WITH PPG PAINT PSX700 OR EQUIVALENT. FINISH COLOR SHALL BE GRAY. APPLY PER MANUFACTURER'S SPECIFICATIONS. POWDER COATING IS AN ACCEPTABLE COATING SYSTEM. ADD GRIT TO TOP OF SURFACES TO PROVIDE NON-SKID SURFACE.
 - HIHTL LAYOUT WITH HOSE BARNS SHOWN IS APPROXIMATE, ACTUAL FIELD LOCATING MAY VARY TO ACCOMMODATE FIELD CONDITIONS WITHIN THE LIMITATIONS OF ACTUAL HIHTL ASSEMBLY LENGTHS. TSCR VENT AND DRAIN LINES TO MAINTAIN A MINIMUM OF A .5% SLOPING FROM TSCR TOWARDS AP-108 RISER 15 DROP LEG.
 - FIELD TO DETERMINE ARRANGEMENT OF SHIELDING PLATES DURING INSTALLATION. STAGGER JOINTS BETWEEN TOP LAYER AND BOTTOM LAYER OF PLATES. GAPS AT SHIELD PLATE JOINTS MUST BE NO LARGER THAN 3/8". PLATES MAY BE CUT AT ANGLES AS REQUIRED FOR DIRECTIONAL CHANGES. MINIMUM OF 4" STEEL TOTAL THICKNESS.
 - DROP LEG AND HIHTL (PRESSURE BOUNDARY) WHEN INSTALLED IS A CLASS I, DIVISION 1, GROUP B HYDROGEN HAZARDOUS LOCATION PER HNF-SD-WM-HC-017. FOR HAZARDOUS AREA CLASSIFICATION DRAWING SEE H-14-111359.
- FOR ATEX EQUIVALENT SAFETY TECHNICAL EVALUATION FOR PIPING, CHEM JOINTS, AND HIHTL, SEE RPP-TE-58251.
- FOR CONSTRUCTION SPECIFICATION RPP-SPEC-62663.



DATE:
Aug 29, 2019

HANFORD RELEASE

HIHTL LAYOUT GENERAL ARRANGEMENT
SCALE: 1/250

| DWG NUMBER | TITLE | REFERENCES | REV | DESCRIPTION |
|-------------|-------------------------------|------------|-----|---------------------------|
| H-15-28 | TSCR/WFD 3D MODEL | | | |
| H-14-111358 | AP FARM UPGRADES DRAWING LIST | | | |
| | | | | 0 RELEASED PER EDT-882095 |

| | | | |
|-------------------|------|--|--|
| 241-AP | | CAUTION: NOT COMPLETE WITHOUT CURRENT CHANGE DOCUMENTS FROM DATABASE | |
| NAME | DATE | STATUS | U.S. DEPARTMENT OF ENERGY |
| W. Y. ARNDT | | ISSUED | Office of River Protection |
| H. A. MENDEZ | | ISSUED | |
| PROJECT NO. 0110 | | SCALE AS SHOWN | AP FARM TSCR UPGRADES HIHTL LAYOUT GENERAL ARRANGEMENT |
| DRAWN BY | DATE | SCALE | H-14-111331 |
| J. P. WITHERSPOON | | | 1 00 |
| 30401 | | DEC. 17, 2009 (REV. 01/19) | |