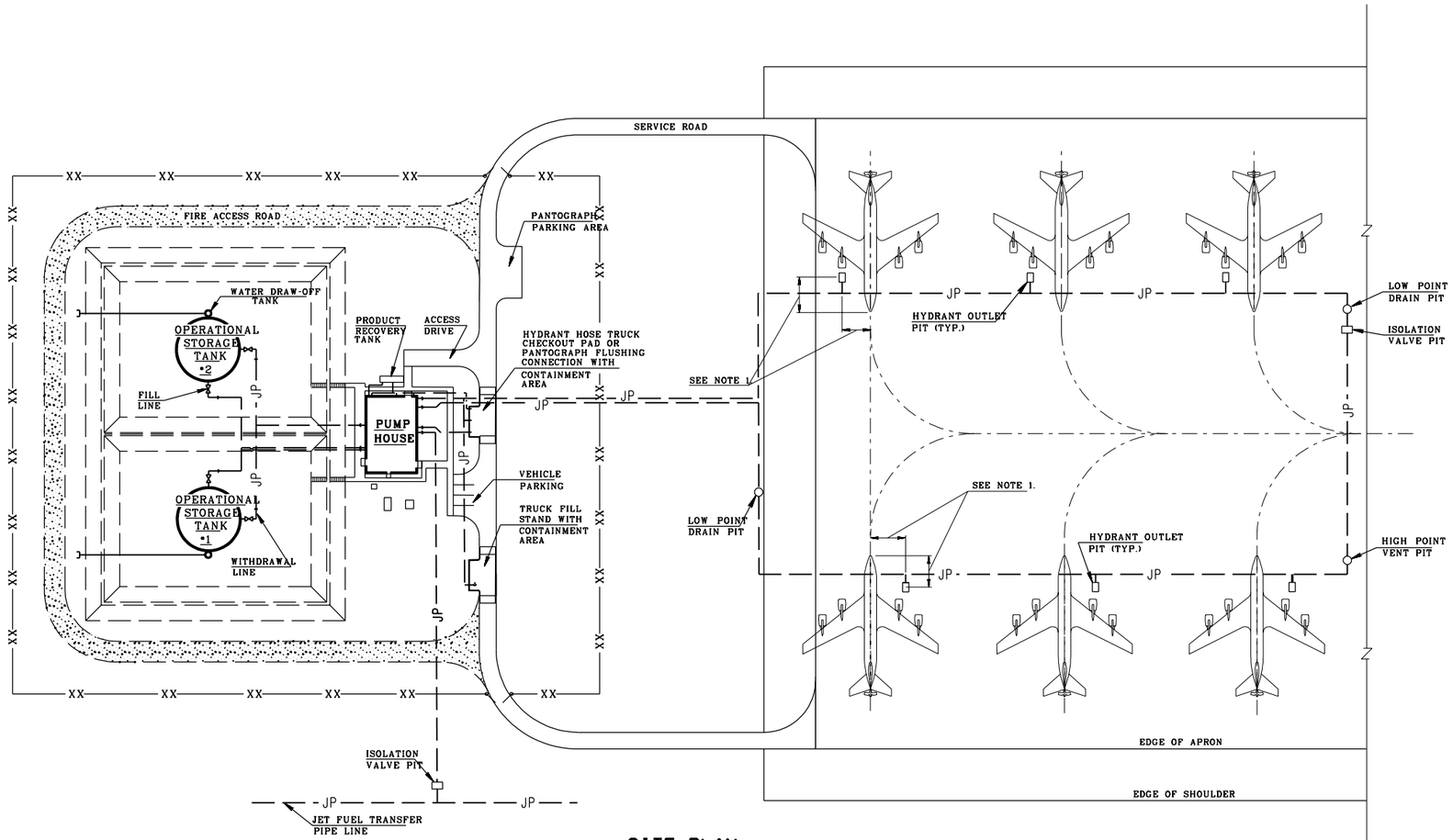


SITE PLAN

SCALE: 1 INCH=50 FEET
50' 0 50'

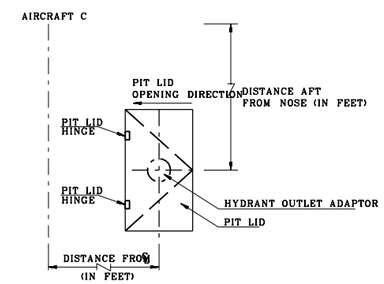
NOTES TO DESIGNER:

1. LOCATION OF AIRCRAFT POSITIONS AND THE RELATIVE SPACING OF HYDRANT OUTLET PITS WILL BE DESIGNATED BY THE COMMAND FUEL FACILITIES ENGINEER AND IN CONJUNCTION WITH CONCRETE JOINT SPACING. REFER TO TABLES BELOW FOR RECOMMENDATIONS.
2. PROVIDE APPROPRIATE ENVIRONMENTAL MONITORING SYSTEM AS REQUIRED BY FEDERAL, STATE AND LOCAL REGULATIONS.
3. ALL UNDERGROUND PIPING SHALL BE SHOWN BOTH IN PLAN AND IN PROFILE. SEE SHEET MD.1 FOR TYPICAL PROFILE.
4. CONTAINMENT AREA DIKE CONFIGURATION SHALL MEET THE REQUIREMENTS OF MIL. HANDBOOK 1022.
5. PROVIDE PANTOGRAPH PARKING AREA AS INDICATED ON DRAWINGS, SIZE AS DESIGNATED BY THE COMMAND FUEL FACILITIES ENGINEER. PANTOGRAPHS SHALL BE SHELTEREDIN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
6. CONTAINMENT AREA AT HYDRANT HOSE TRUCK CHECK-OUT STATION/PANTOGRAPH FLUSHING CONNECTION SHALL BE SIZED TO CONTAIN COMPLETE FUEL SPILL OF ONE HYDRANT HOSE TRUCK AND SHALL BE IN ACCORDANCE WITH LATEST FEDERAL, STATE AND LOCAL REGULATIONS AND MEET THE REQUIREMENTS OF MIL-HANDBOOK 1022.
7. VERIFY WATER FOR FIRE PROTECTION AROUND THE RAMPS, TANKS AND IN PUMP HOUSE MEET THE REQUIREMENTS AS LISTED IN MIL-HANDBOOK 1008 B.

SUPPLEMENTAL LEGEND

—JP— JET FUEL LINE

—XX— 7 FOOT CHAIN LINK FENCE W/ 3-STRAND BARBED WIRE



TYPICAL HYDRANT PIT DIAGRAM

(OPENING TOWARDS ℄ C SHOWN)

HYDRANT OUTLET CONNECTOR LOCATION
(SEE NOTE 1)

AIRCRAFT	DISTANCE AFT OF NOSE	DISTANCE FROM ℄	PIT LID OPENING DIRECTION
C-5	55' : 5'	30' - 40' R	TOWARD ℄C
C-17	100' : 5'	35' R	TOWARD ℄C
C-130	60' : 5'	30' R	TOWARD ℄C
C-141	100' : 5'	35' R : 5'	TOWARD ℄C
B-1	105' : 5'	25' - 30' R	TOWARD FRONT
B-2	25'	45' L : 3'	TOWARD REAR
B-52	30' +4', -7'	30' R	TOWARD ℄C
KC-10	85' - 100'	30' - 35' R	TOWARD ℄C
KC-135	30' +4', -7'	30' R : 5'	TOWARD ℄C
E-4	105'	35' R	TOWARD ℄C
UNIVERSAL (E-4,KC-10,C-5, C-141,C-17)	100' - 105'	30' - 35' R	TOWARD ℄C

HYDRANT OUTLET CONNECTOR LOCATION
(WHEN USING 50 FOOT PANTOGRAPH: SEE NOTE 2 & 3)

AIRCRAFT	DISTANCE AFT OF NOSE	DISTANCE FROM ℄	PIT LID OPENING DIRECTION
C-5, C-17, C-130, C-141	90' - 100'	25' - 32' R	TOWARD ℄C
KC-10, 747, B-1	90' - 100'	25' - 32' R	TOWARD ℄C
KC-135	75' - 80'	25' - 32' R	TOWARD ℄C

NOTES:

1. RECOMMENDED DISTANCES APPLY TO PIT VALVE LOCATIONS WHEN USING HYDRANT SERVICING VEHICLES. THEY DO NOT APPLY IF PANTOGRAPHS ARE TO BE USED.
2. PIT LID LOCKING BAR SHOULD BE ON AIRCRAFT TAIL SIDE OF PIT.
3. B-1 AND KC-135 REQUIRE A 6 FOOT ADAPTOR HOSE.

COMPUTER AIDED DESIGN & DRAFTING

$$ - THINK VALUE ENGINEERING - $$

REVISIONS

SYMBOL	DESCRIPTIONS	DATE	APPROVED

ROBERT AND COMPANY
96 POPLAR ST., N.W.
ATLANTA, GA 30335

US ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
OMAHA, NE

AIR FORCE C.E. SUPPORT AGENCY
139 BARNES DRIVE, SUITE #1
TYNDALL AFB, FL 32403-5319

DESIGNED BY: G.S.L.
DRAWN BY: G.S.L.
CHECKED BY: C.L.A.
REVIEWED BY: X
SUBMITTED BY:
CHIEF, CIVIL SECTION

AIR FORCE STANDARDS
PRESSURIZED HYDRANT FUELING SYSTEM
TYPE III

TYPICAL SITE PLAN

PLOT SCALE RATIO: 50:1
DESIGN FILE: SD18P301.DGN
DATE: REV. #1 NOV. 1998
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