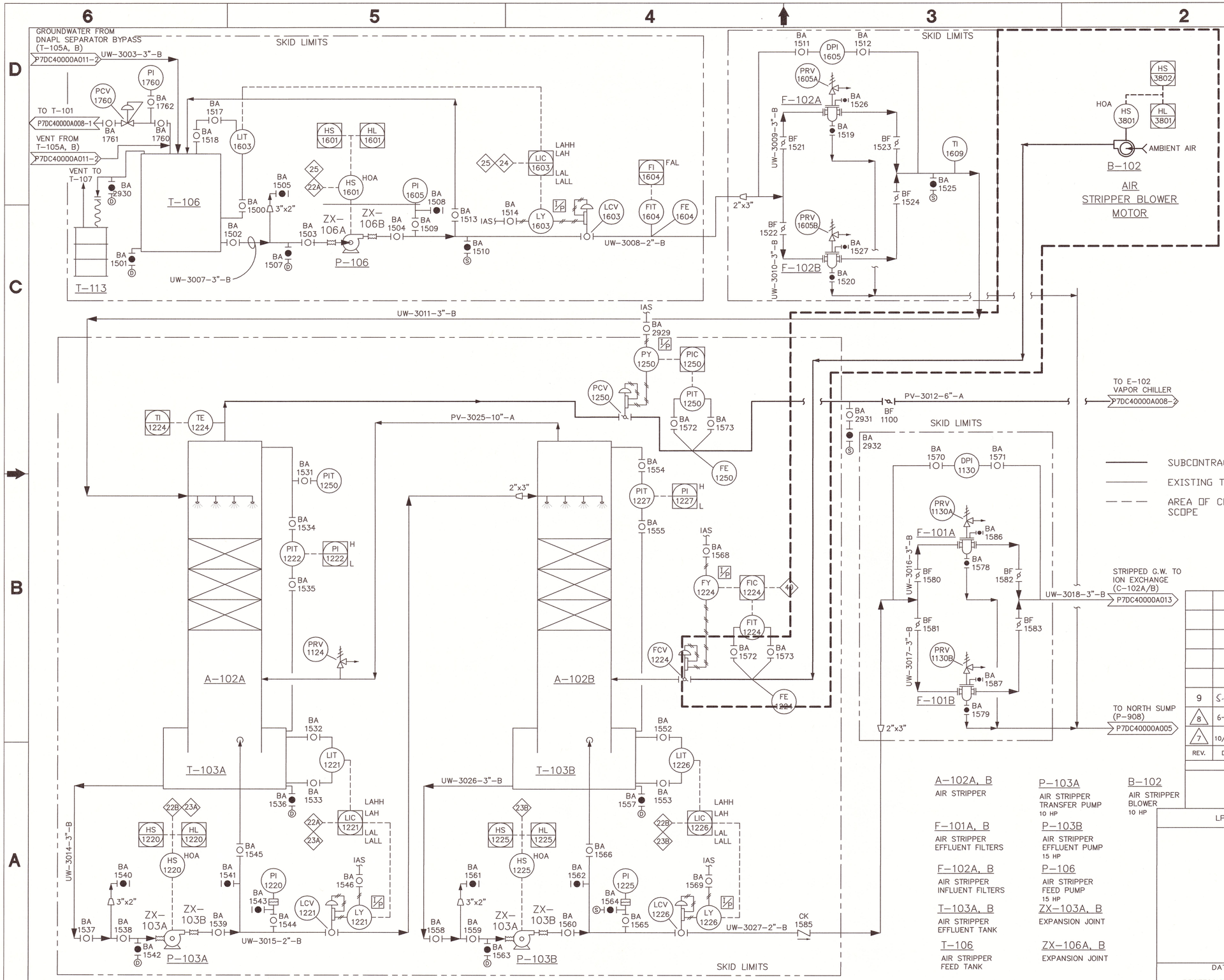

INTERLOCKS:

- 22A — HIGH-HIGH LEVEL IN AIR STRIPPER EFFLUENT TANK (T-103A) WILL SHUT DOWN AIR STRIPPER FEED PUMP (P-106), ACTIVATE AIR STRIPPER SKID TROUBLE ALARM IN THE CENTRAL PLC AND NOTIFY TELEMANAGER.
- 22B — HIGH-HIGH LEVEL IN T-103B SHUTS DOWN P-103A
- 23A/B — LOW-LOW LEVEL IN AIR STRIPPER EFFLUENT TANK (T-103A, B) WILL SHUT DOWN AIR STRIPPER EFFLUENT PUMP (P-103A, B), ACTIVATE AIR STRIPPER SKID TROUBLE ALARM IN THE CENTRAL PLC AND NOTIFY TELEMANAGER.
- 24 — HIGH-HIGH LEVEL IN AIR STRIPPER FEED TANK (T-106) WILL INITIATE SHUT DOWN OF WELL PUMPS AND STOP P-105, ACTIVATE AIR STRIPPER SKID TROUBLE ALARM IN THE CENTRAL PLC AND NOTIFY TELEMANAGER.
- 25 — LOW-LOW LEVEL IN AIR STRIPPER FEED TANK (T-106) WILL SHUT DOWN AIR STRIPPER FEED PUMP (P-106), ACTIVATE AIR STRIPPER SKID TROUBLE ALARM IN THE CENTRAL PLC AND NOTIFY TELEMANAGER.
- 40 — IF B-102 IS OFF OR IF FI-1224 IS LESS THAN OR EQUAL TO 100 CFM FOR 30 SECONDS THEN P-106 AND P-103A SHUT DOWN.

INSTRUMENT LEGEND:

- AE — INSTRUMENT MOUNTED LOCALLY OR ON SKID CONTROL PANEL
- TAH — INSTRUMENT MOUNTED ON LOCAL SKID CONTROL PANEL OR SKID PLC HMI
- AI — INSTRUMENT DISPLAY ON HMI OF CENTRAL PLC

SUBCONTRACTOR INSTALLED
EXISTING TO REMAIN
AREA OF CONTRACTOR SCOPE

REV.	DATE	DESCRIPTION	DRAWN BY	DRAFT CHK	PROJ ENGR	LEAD ENGR	CONF CTRL/ NUCL SFTY	FAC MGR	E&TS MGR
9	5-22-14	ISSUED FOR AS-BUILT, PHASE 2A	KTW	A.W.	DJH	JTP	SJD	JRW	PAC
8	6-26-13	PHASE IIA DESIGN-ISSUED FOR AS-BUILT	KTW	NJB	DJH	JTP	SJD	JRW	PAC
7	10/26/12	PHASE IIA DESIGN-CERTIFIED FOR CONSTRUCTION	NJB	TJH	TJM	BCK	SJD	JRW	RES

DRAWING REVISIONS

A-102A, B — AIR STRIPPER

F-101A, B — AIR STRIPPER EFFLUENT FILTERS

F-102A, B — AIR STRIPPER INFLUENT FILTERS

T-103A, B — AIR STRIPPER EFFLUENT TANK

T-106 — AIR STRIPPER FEED TANK

P-103A — AIR STRIPPER TRANSFER PUMP 10 HP

P-103B — AIR STRIPPER EFFLUENT PUMP 15 HP

P-106 — AIR STRIPPER FEED PUMP 15 HP

ZX-103A, B — EXPANSION JOINT

ZX-106A, B — EXPANSION JOINT

B-102 — AIR STRIPPER BLOWER 10 HP

U.S. DEPARTMENT OF ENERGY
PADUCAH, PORTSMOUTH PROJECT OPERATIONS, PADUCAH GASEOUS DIFFUSION PLANT

LPE

LATA Environmental Services of Kentucky, LLC — managed for the DEPARTMENT OF ENERGY under U.S. GOVERNMENT contract DE-AC30-10CC40020, Paducah, Kentucky

DOE CONTRACT NO. DE-AC30-10CC40020

PROJECT NAME: C-400 REMEDIATION DESIGN

TITLE: WATER TREATMENT SYSTEMS AIR STRIPPER SYSTEM PROCESS PIPING & INSTRUMENTATION DIAGRAM

EDCS CAD FILENAME	BUILDING	PLANT	CLASS
P7DC40000A012 REV9.DWG	C-400	PDGP	U

DATE:	SCALE:	DRAWING NUMBER	REV
PROFESSIONAL SEAL	N/A	P7DC40000A012	9