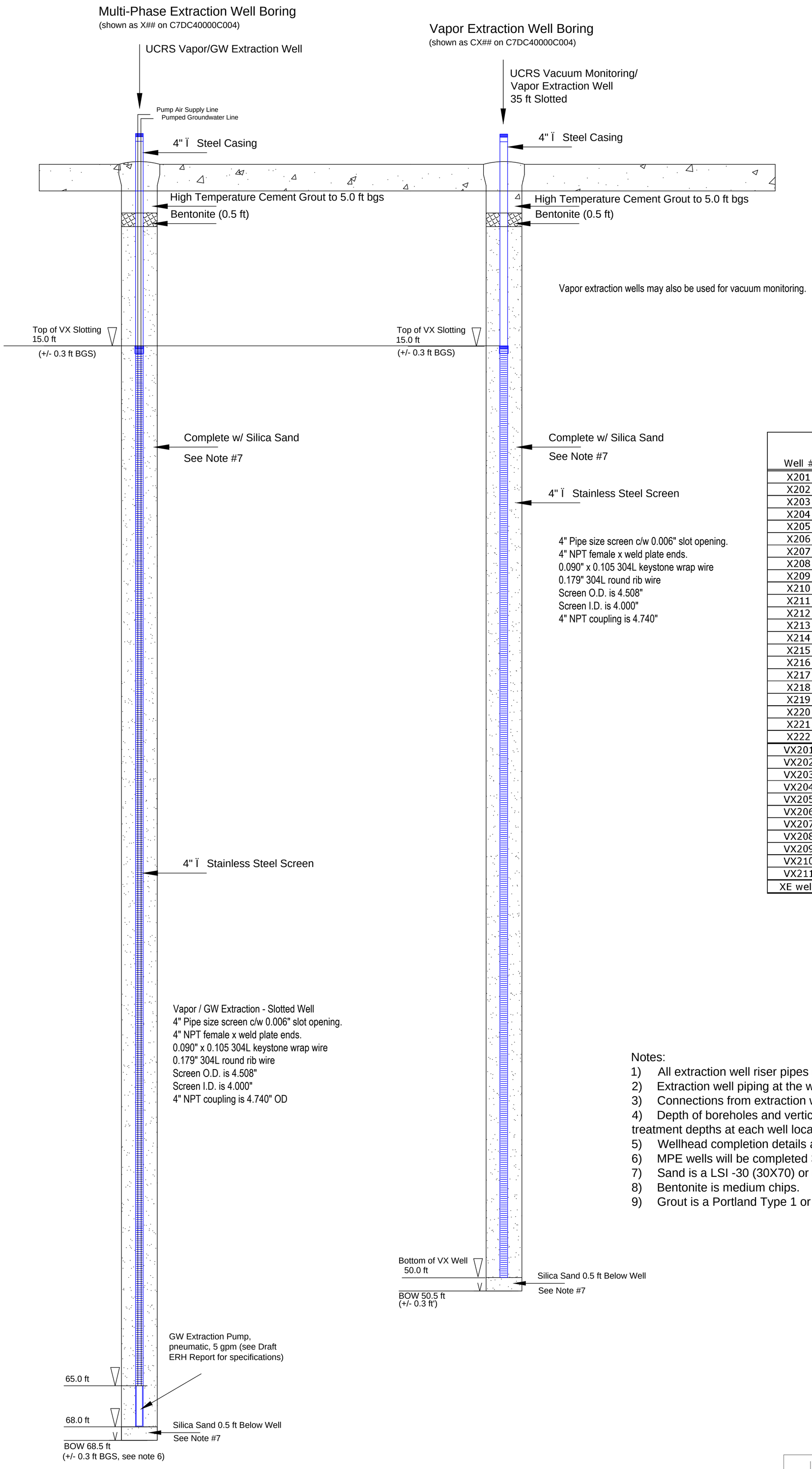

Vapor extraction wells may also be used for vacuum monitoring.

Legend
BOW - Bottom of Well

Well #	Depth of Well (ft bgs)	Vapor Screen Interval (ft bgs)	GW Screen Interval (ft bgs)	Area
X201	68.5	15.0 to 55.0	55.0 to 68.5	Southeast
X202	68.5	15.0 to 55.0	55.0 to 68.5	Southeast
X203	68.5	15.0 to 55.0	55.0 to 68.5	Southeast
X204	68.5	15.0 to 55.0	55.0 to 68.5	Southeast
X205	68.5	15.0 to 55.0	55.0 to 68.5	Southeast
X206	68.5	15.0 to 55.0	55.0 to 68.5	Southeast
X207	68.5	15.0 to 55.0	55.0 to 68.5	Southeast
X208	68.5	15.0 to 55.0	55.0 to 68.5	Southeast
X209	68.5	15.0 to 55.0	55.0 to 68.5	Southeast
X210	68.5	15.0 to 55.0	55.0 to 68.5	Southeast
X211	68.5	15.0 to 55.0	55.0 to 68.5	Southeast
X212	68.5	15.0 to 55.0	55.0 to 68.5	Southeast
X213	68.5	15.0 to 55.0	55.0 to 68.5	Southeast
X214	68.5	15.0 to 55.0	55.0 to 68.5	Southeast
X215	68.5	15.0 to 55.0	55.0 to 68.5	Southeast
X216	68.5	15.0 to 55.0	55.0 to 68.5	Southeast
X217	68.5	15.0 to 55.0	55.0 to 68.5	Southeast
X218	68.5	15.0 to 55.0	55.0 to 68.5	Southeast
X219	68.5	15.0 to 55.0	55.0 to 68.5	Southeast
X220	68.5	15.0 to 55.0	55.0 to 68.5	Southeast
X221	68.5	15.0 to 55.0	55.0 to 68.5	Southeast
X222	68.5	15.0 to 55.0	55.0 to 68.5	Southeast
VX201	50.5	15 to 50.0	no gw screen	Southeast
VX202	50.5	15 to 50.0	no gw screen	Southeast
VX203	50.5	15 to 50.0	no gw screen	Southeast
VX204	50.5	15 to 50.0	no gw screen	Southeast
VX205	50.5	15 to 50.0	no gw screen	Southeast
VX206	50.5	15 to 50.0	no gw screen	Southeast
VX207	50.5	15 to 50.0	no gw screen	Southeast
VX208	50.5	15 to 50.0	no gw screen	Southeast
VX209	50.5	15 to 50.0	no gw screen	Southeast
VX210	50.5	15 to 50.0	no gw screen	Southeast
VX211	50.5	15 to 50.0	no gw screen	Southeast
XE wells	varies	6.5 to 13.1	no gw screen	Southeast

Notes:
1) All extraction well riser pipes grounded to ET-DSP neutral system above surface.
2) Extraction well piping at the wellhead will be isolated with electrical insulating coating.
3) Connections from extraction wellhead to treatment system must be electrically isolated.
4) Depth of boreholes and vertical extents of extraction wells are determined by the treatment depths at each well location.
5) Wellhead completion details are shown in drawing #C7DC40000C009.
6) MPE wells will be completed 3 ft with a sump.
7) Sand is a LSI -30 (30X70) or equivalent.
8) Bentonite is medium chips.
9) Grout is a Portland Type 1 or Type 2 (no Bentonite flour added to grout).

U.S. DEPARTMENT OF ENERGY
DOE PORTSMOUTH/PADUCAH PROJECT OFFICE
PADUCAH GASEOUS DIFFUSION PLANT

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

McMillan-McGee Corp
CALGARY, ALBERTA CANADA
(403) 279-7948
FAX (403) 272-7201

DOE CONTRACT NO. DE-AC30-10CC40020

PROJECT NAME:
Paducah PGDP C-400 Remediation Project

TITLE:
C-400 Complex
Detail Section View Drawing of
ET-DSP Extraction Wells Phase IIa

CAD FILE NAME	BUILDING	PLANT	CLASS
Mc2-Paducah-ExtractionWellDetails.DWG	C-400	PGDP	U

SCALE:	DRAWING NUMBER	REV
Not To Scale	C7DC40000C006	D

LPE

REV.	DATE	DESCRIPTION	DRAWN BY	DRAFT CHK	DRG/	LEAD ENGR	QA	CONF CTRL/ NUCL SFTY	FAC MGR	PROJ ENGR
D	22/05/12	Rename CX wells, start X wells at 15'	ER	CK	ER	BM				
C	24/04/12	Technical Edits	AW	WR	ER	BM				
B	05/01/12	Technical Edits	WR	ER	ER	BM				
A	10/01/07	Initial 90% Design Drawing	WR	ER	ER	BM				

DATE
PROFESSIONAL SEAL
DRAWING REVISIONS