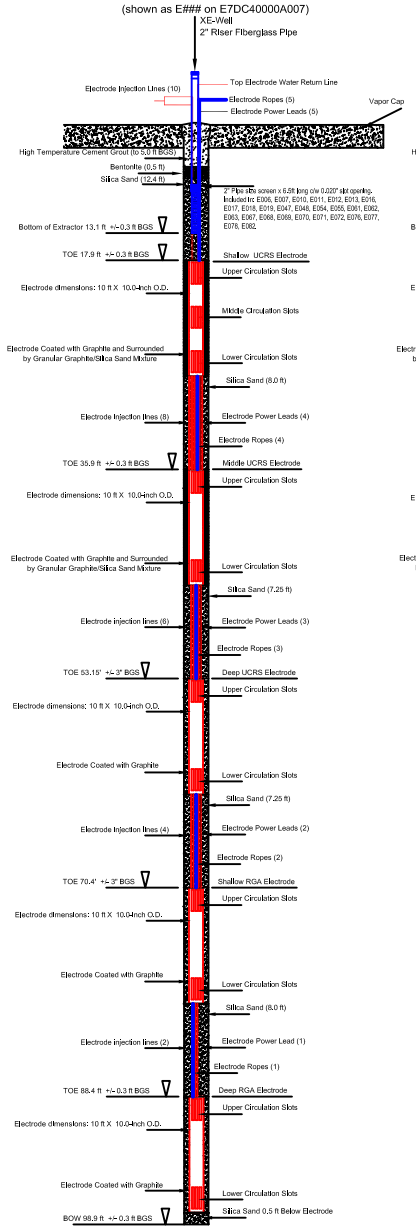
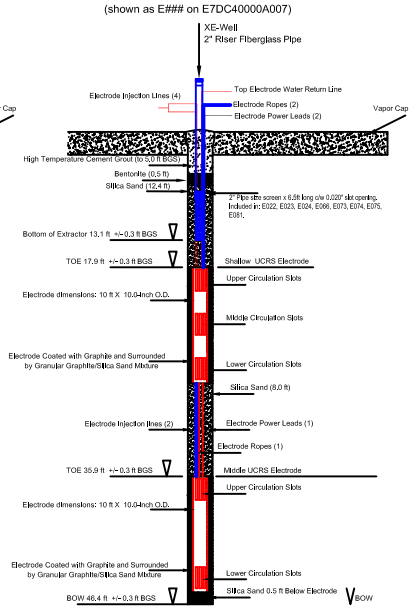
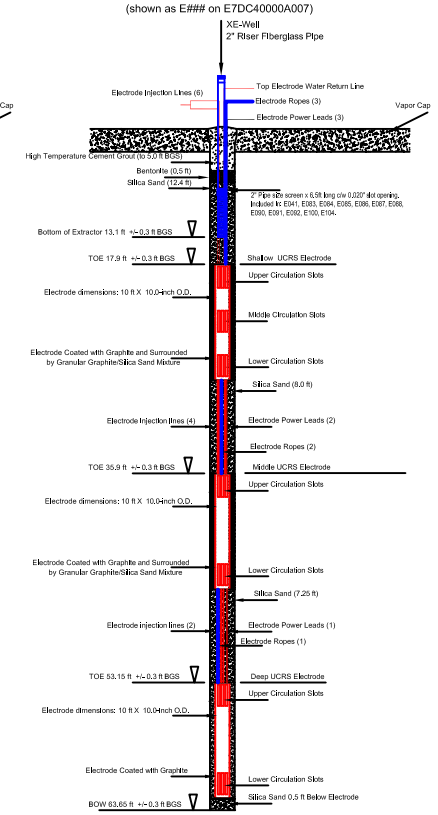
20-100 ft Electrode Well with Upper Vapor Extraction
(shown as E### on E7DC40000A007)



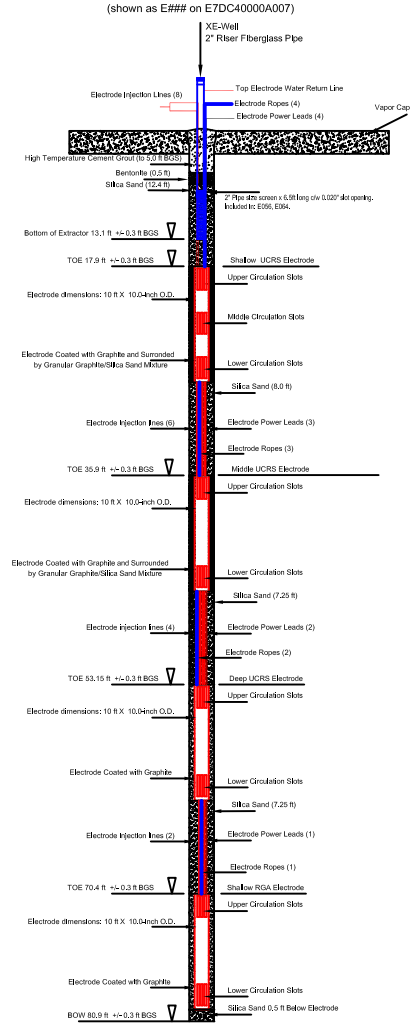
20-40 ft Electrode Well with Upper Vapor Extraction
(shown as E### on E7DC40000A007)



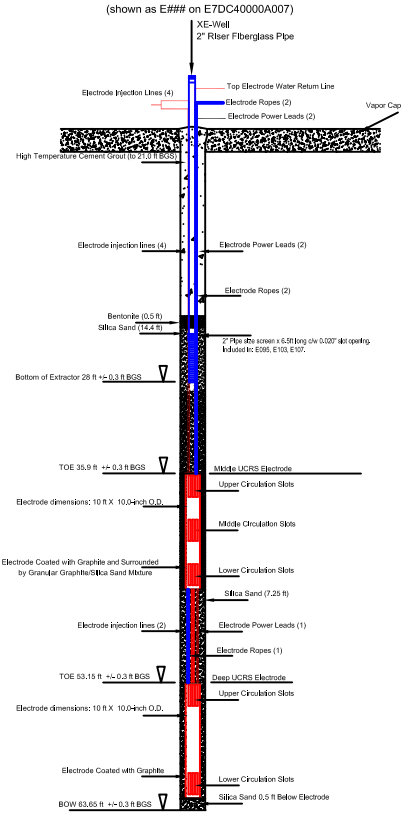
20-60 ft Electrode Well with Upper Vapor Extraction
(shown as E### on E7DC40000A007)



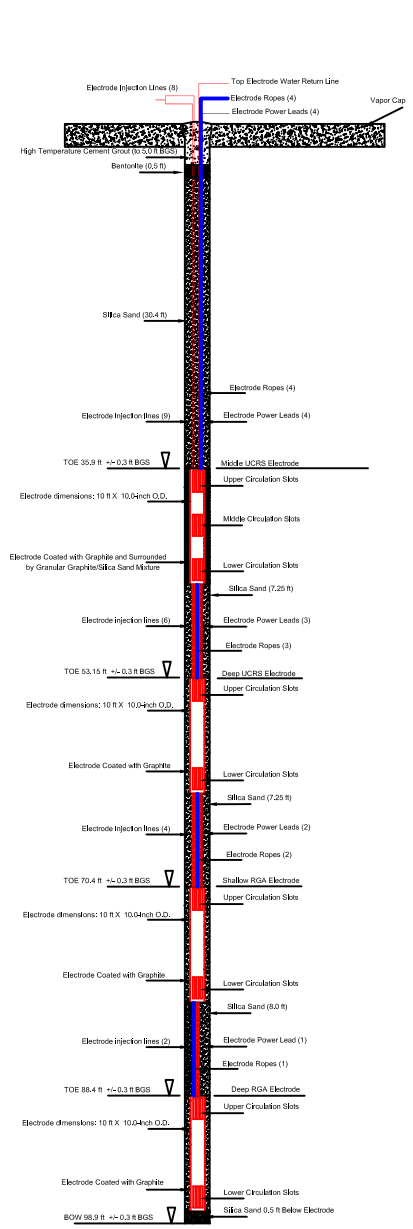
20-80 ft Electrode Well with Upper Vapor Extraction
(shown as E### on E7DC40000A007)



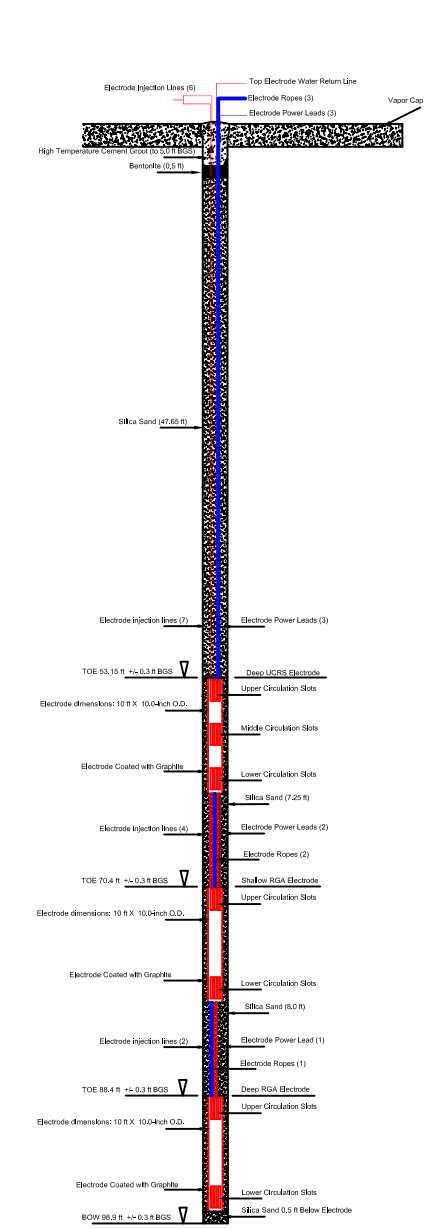
40-60 ft Electrode Well with Upper Vapor Extraction
(shown as E### on E7DC40000A007)



40-100 ft Electrode Well
(shown as E### on E7DC40000A007)



60-100 ft Electrode Well
(shown as E### on E7DC40000A007)



Notes:
1) Electrode power lead for each electrode In the well Is connected to Its own PDS control channel.
2) Top and bottom water Injection lines for each electrode are connected to a T fitting at surface from a WCS control valve.
3) Water return line to the uppermost electrode is connected to the input of the water treatment system.
4) XE Wellhead connection shown In drawing #C7DC40000A003.
5) Slot slzes on electrodes exaggerated to show feature.
6) Silica sand is No. 30, (0.0234 Sieve Size).
7) Electrodes are connected to a rope for lowering Into the hole and as an addltlonal safety factor to prevent movement In case the sand settles within the boring. Rope is constructed of Technora material. Technora is rated for continuous operations at 250 degrees C and has high resistance to organic solvents.
8) Only electrodes lsted have upper vapor extraction.
9) Actual depth of electrode placement wlll be field determined so that the RGA/McNairy interface can be appropriately heated.

BOW - Bottom of Well
BOE - Bottom of Electrode
TOE - Top of Electrode

LPE											
	0	02/12/08	Issued for Construction								
DATE	REV.	DATE (D/M/Y)	DESCRIPTION	DRAWN BY	DRAFT CHK	REV ENGR	LEAD ENGR	QA	CONF CTRL/ NUCL SFTY	FAC MGR	PROJ ENGR
PROFESSIONAL SEAL			DRAWING REVISIONS								

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

PADUCAH Remediation Services
A Portage Shaw Joint Venture Company
managed for the DEPARTMENT OF ENERGY under U.S. GOVERNMENT contract DE-AC30-06EW05001
Paducah, Kentucky

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

DOE CONTRACT NO. DE-AC30-06EW05001

PROJECT NAME:
Paducah PGDP C-400 Remediation Project

TITLE:
C-400 Complex
Detail Section View Drawing of
ET-DSP Electrode Well Installations

CAD FILE NAME	BUILDING	PLANT	CLASS
Mc2 Paducah C-400 ET-DSP Electrode Detail.DWG	C-400	PGDP	U

SCALE:	DRAWING NUMBER	REV
Not To Scale	E7DC40000A008	0