

US EPA ARCHIVE DOCUMENT

**FLORENCE COPPER, INC.
UIC PERMIT APPLICATION
FLORENCE COPPER PROJECT – PRODUCTION TEST FACILITY**

ATTACHMENT D – MAPS & CROSS SECTIONS OF USDWs

Table of Contents

Table of Contents	1
List of Figures.....	1
D.1 Introduction.....	2

List of Figures

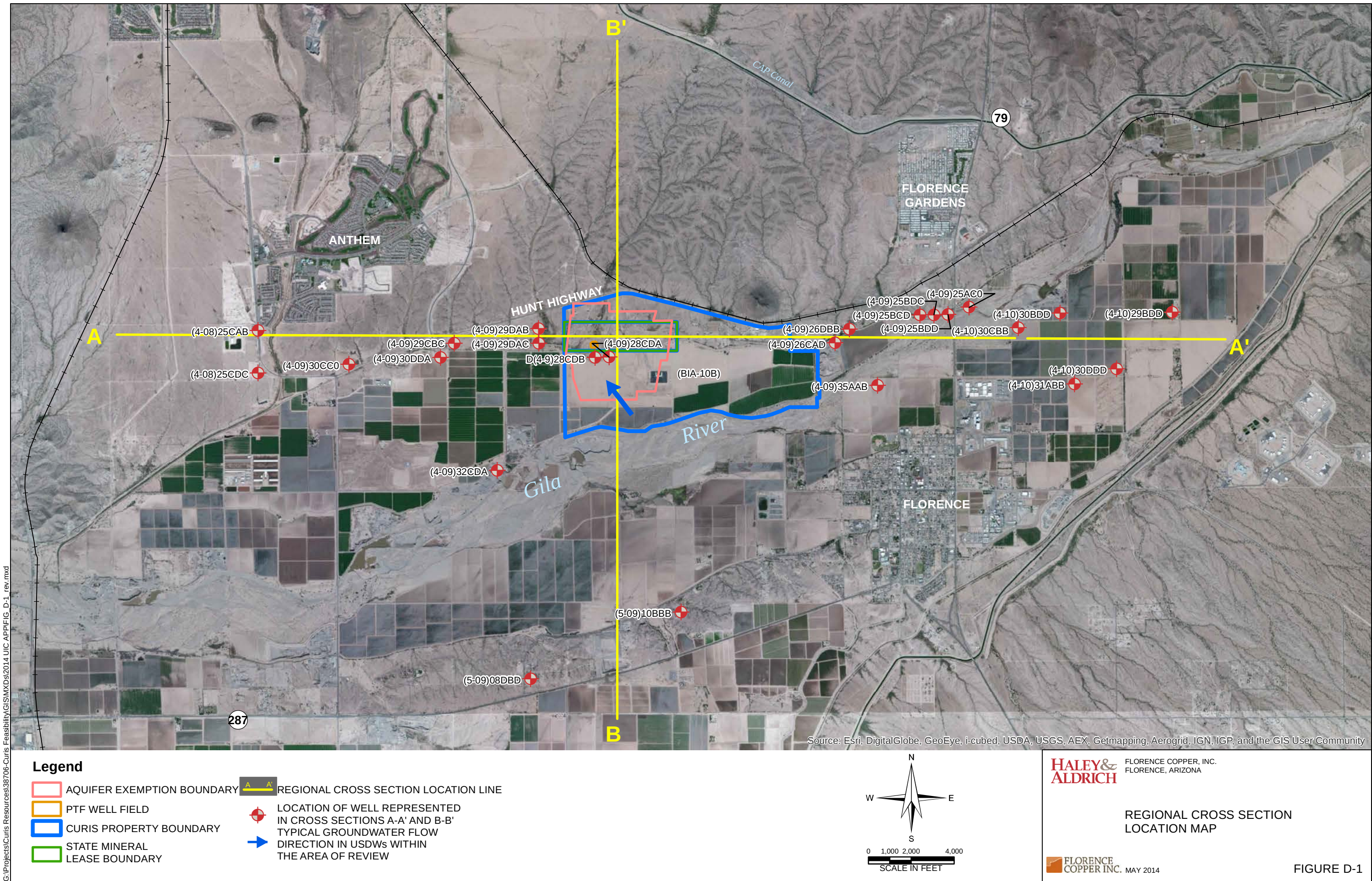
Figure D-1	Regional Cross-Section Location Map
Figure D-2	Florence Copper Site Cross-Section Location Map
Figure D-3	Generalized Regional Geologic Cross Section A-A'
Figure D-4	Generalized Regional Geologic Cross Section B-B'
Figure D-5	Geologic Cross Section B''-B'''
Figure D-6	Generalized Geologic Cross Section C-C'
Figure D-7	Generalized Geologic Cross Section D-D'
Figure D-8	Generalized Geologic Cross Section E-E'
Figure D-9	Generalized Geologic Cross Section F-F'
Figure D-10	Plan Map Showing Location of USDW Cross-Sections
Figure D-11	EW USDW Cross-Section 746167 N Looking North
Figure D-12	NS USDW Cross-Section 647900 E Looking East

D.1 Introduction

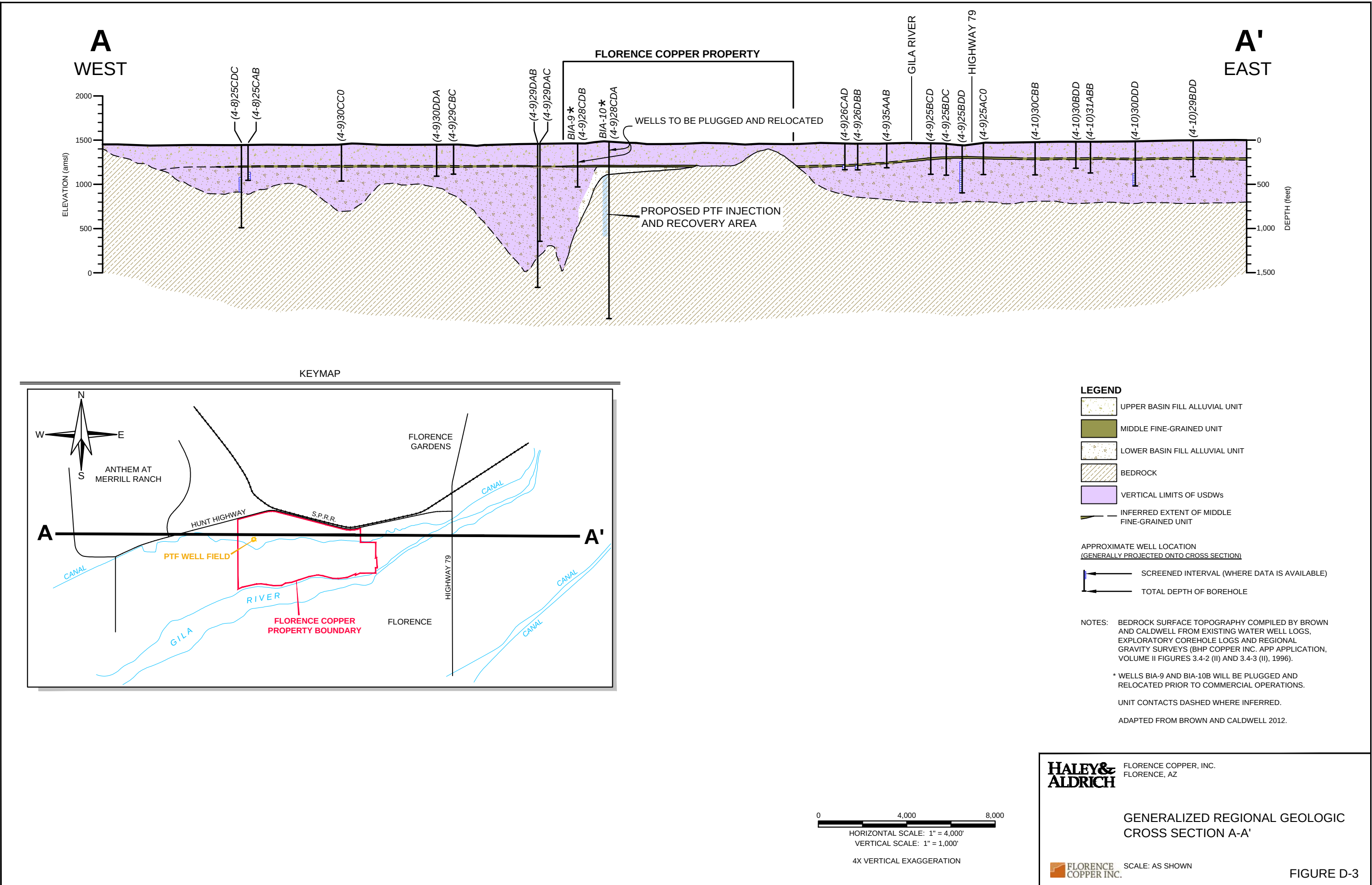
This Attachment D has been prepared in support of an Application by Florence Copper, Inc. (Florence Copper) to the United States Environmental Protection Agency (USEPA) for issuance of an Underground Injection Control Class III (Area) Permit (UIC Permit) for the planned Production Test Facility, to be located at the Florence Copper Project property in Pinal County, Arizona. As required for Attachment D of USEPA Form 7520-6, this Attachment includes maps and cross sections that depict the vertical limits of all underground sources of drinking water (USDWs) within the Area of Review (AOR) defined in Attachment A of this Application. Figures D-1 and D-2 show the location of regional and site scale cross sections, respectively. Figures D-3 and D-4 are regional scale cross sections. Figures D-5, D-6, D-7, D-8 and D-9 are site scale cross sections depicting the FCP property. Pink shading depicted on cross sections D-3 through D-9 indicates the extent of USDWs outside of the AOR and Aquifer Exemption boundary.

Figure D-10 is a map showing the location of cross sections through the PTF well field. Figures D-11 and D-12 are cross sections through the PTF well field. Blue shading in Figures D-11 and D-12 indicates the extent of USDWs outside of the AOR and Aquifer Exemption boundary.

G:\Projects\Curis Resources\38706-Curis Feasibility\GIS\MXDs\2014 UIC APP\FIG D-1_rev.mxd



Drawing Name: G:\PROJECTS\CURIS RESOURCES\38706-CURIS FEASIBILITY\DRAWINGS\JULY 2014 UIC APPID-3_UPD080114.DWG
Operator Name: CANDREVA, LAUREN Plot Date: August 1, 2014



Drawing Name: G:\PROJECTS\CURIS RESOURCES\38706-CURIS FEASIBILITY\DRAWINGS\JULY 2014 UIC APPID-4_UPD080114.DWG
Operator Name: CANDREVA, LAUREN Plot Date: August 1, 2014

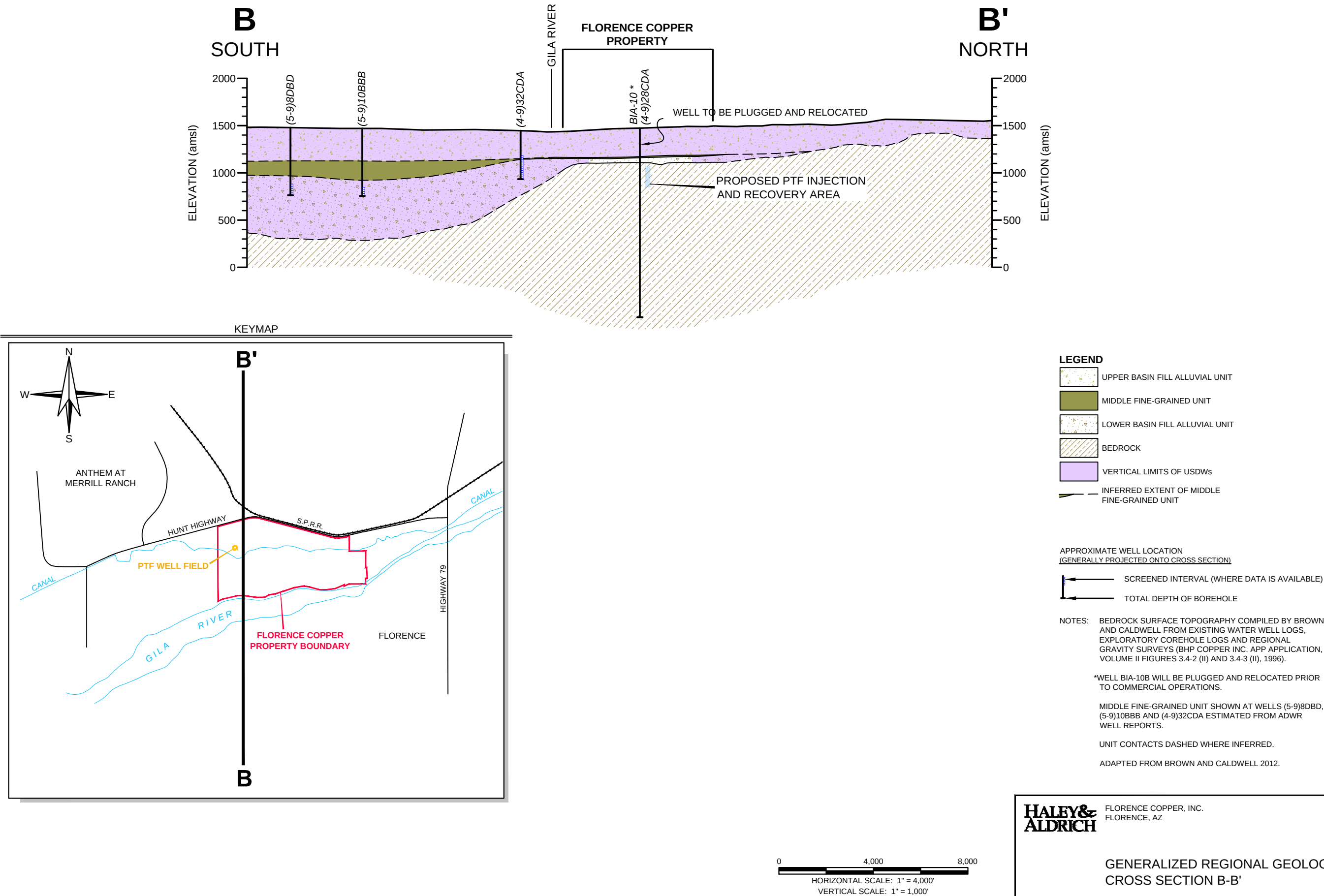
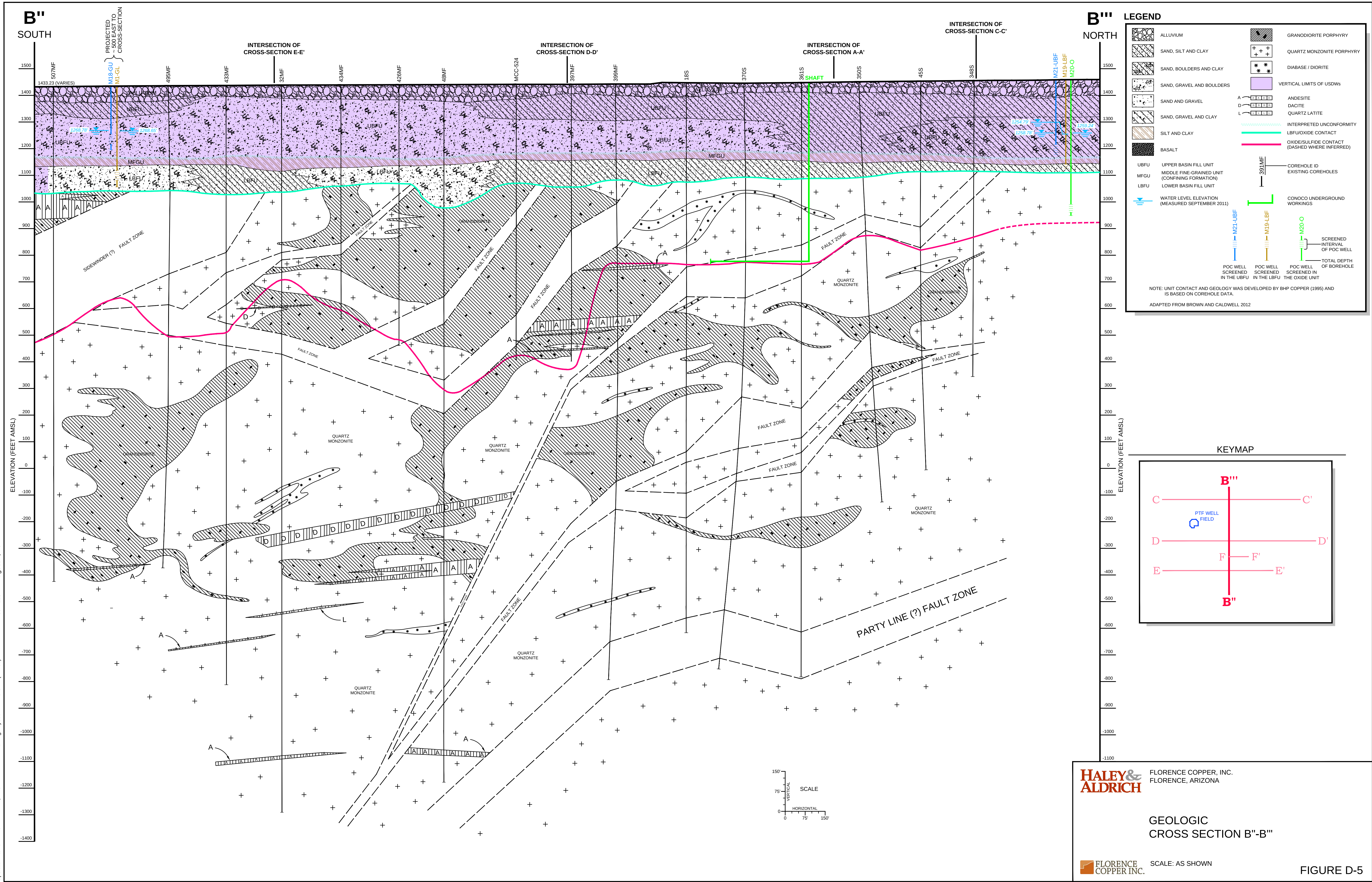
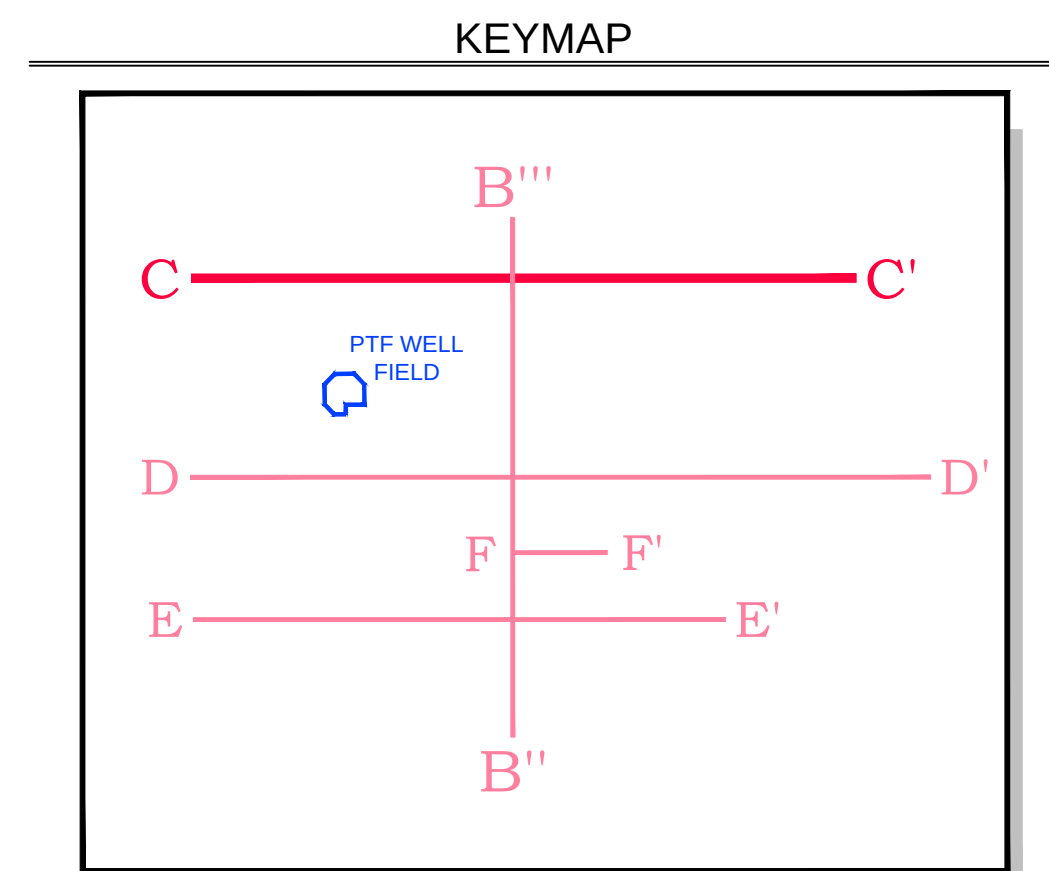
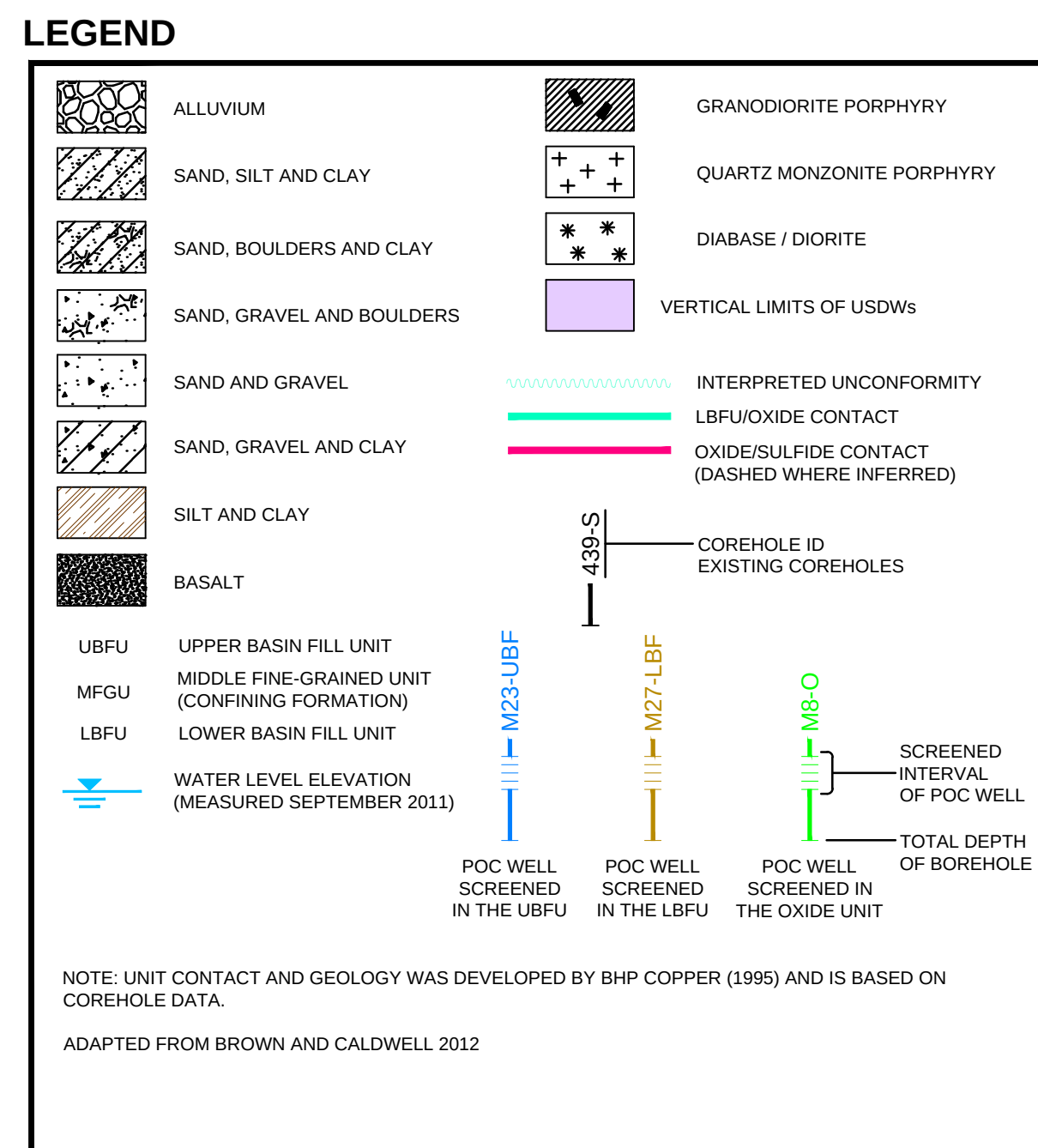
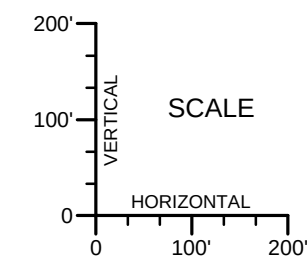
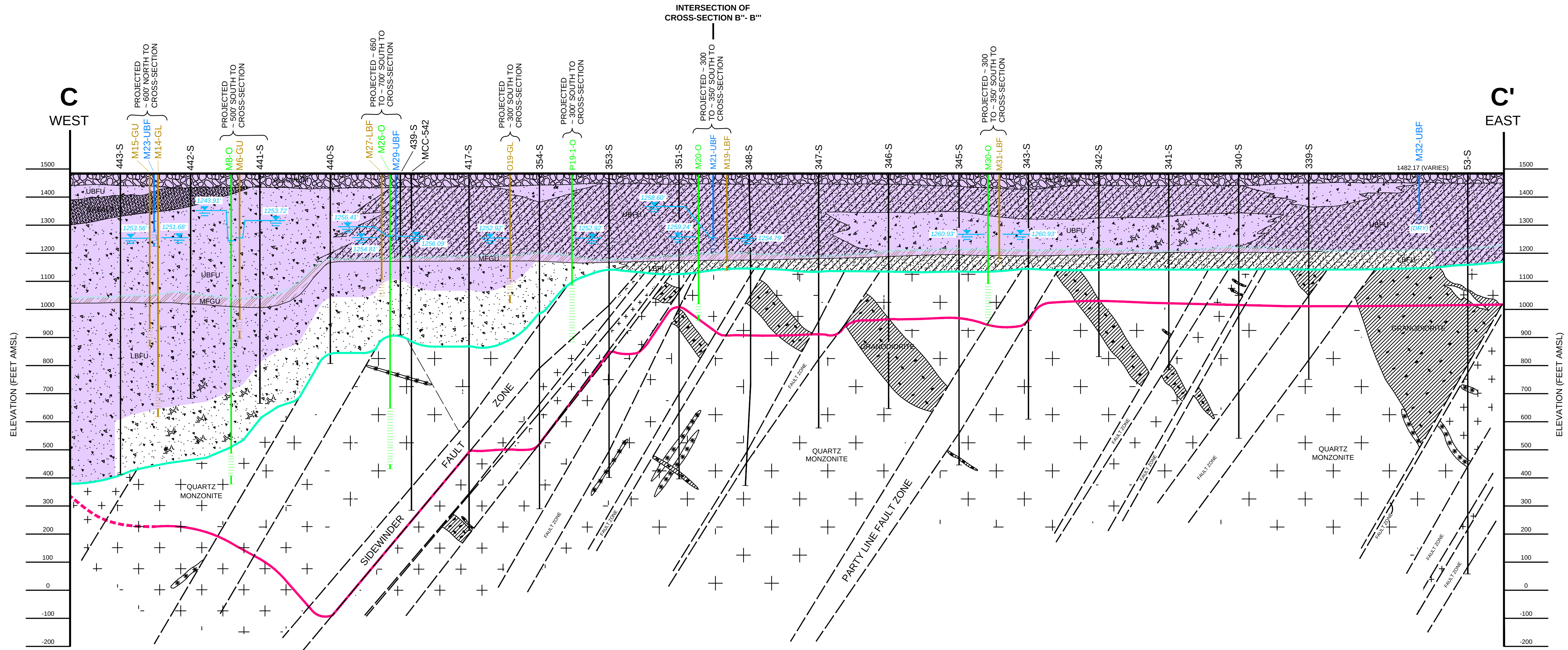


FIGURE D-4



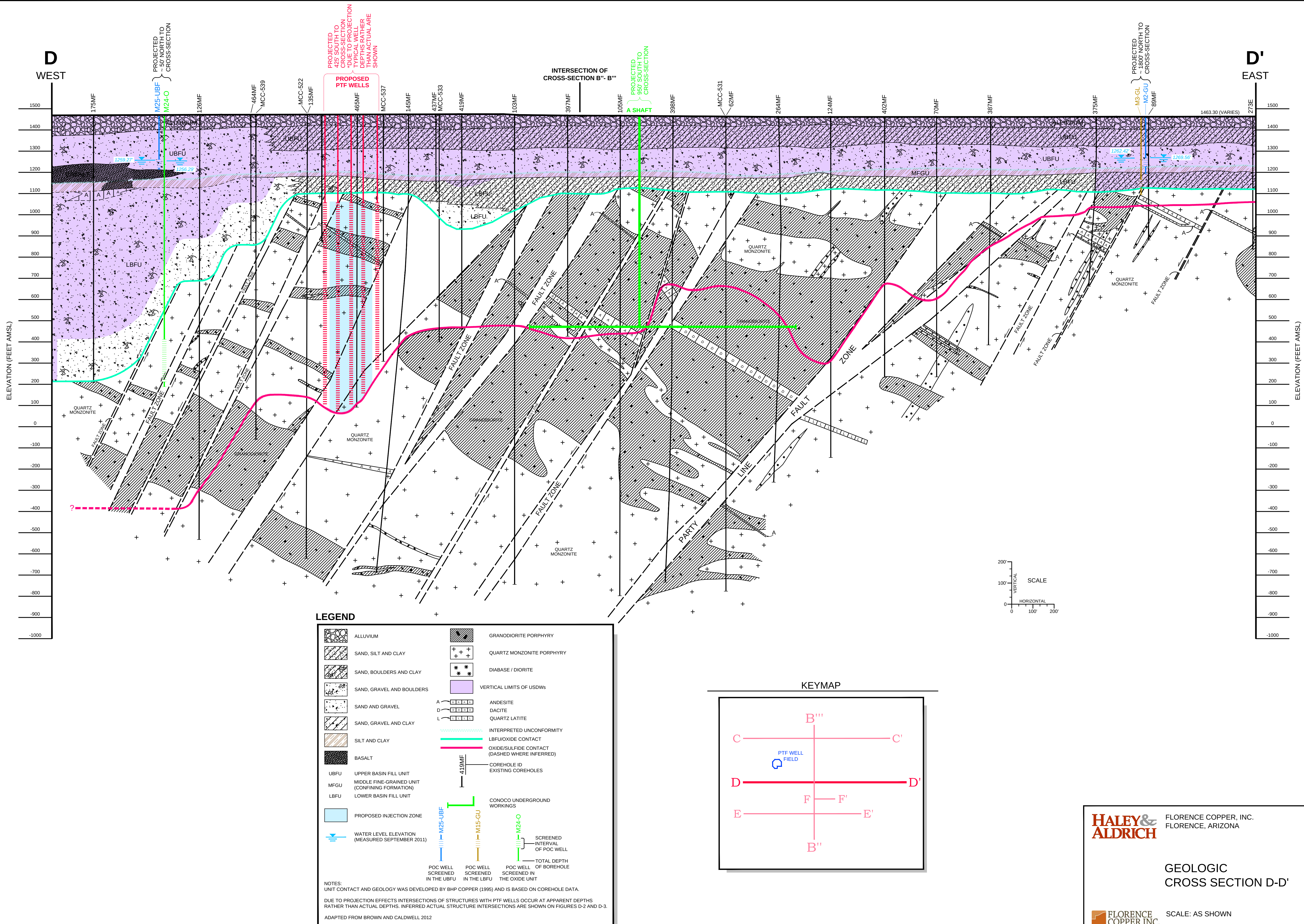


HALEY & ALDRICH FLORENCE COPPER, INC.
FLORENCE, ARIZONA

**GEOLOGIC
CROSS SECTION C-C'**

**FLORENCE
COPPER INC.** SCALE: AS SHOWN

FIGURE D-6



HALEY & ALDRICH

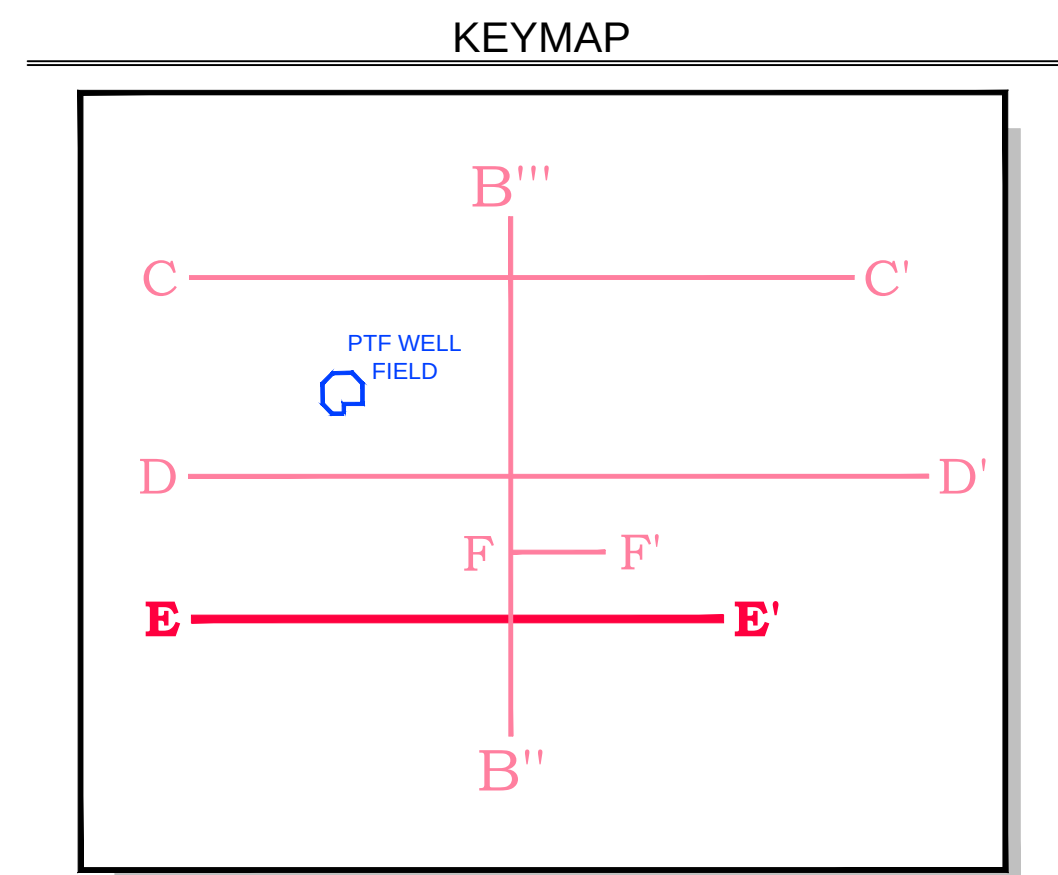
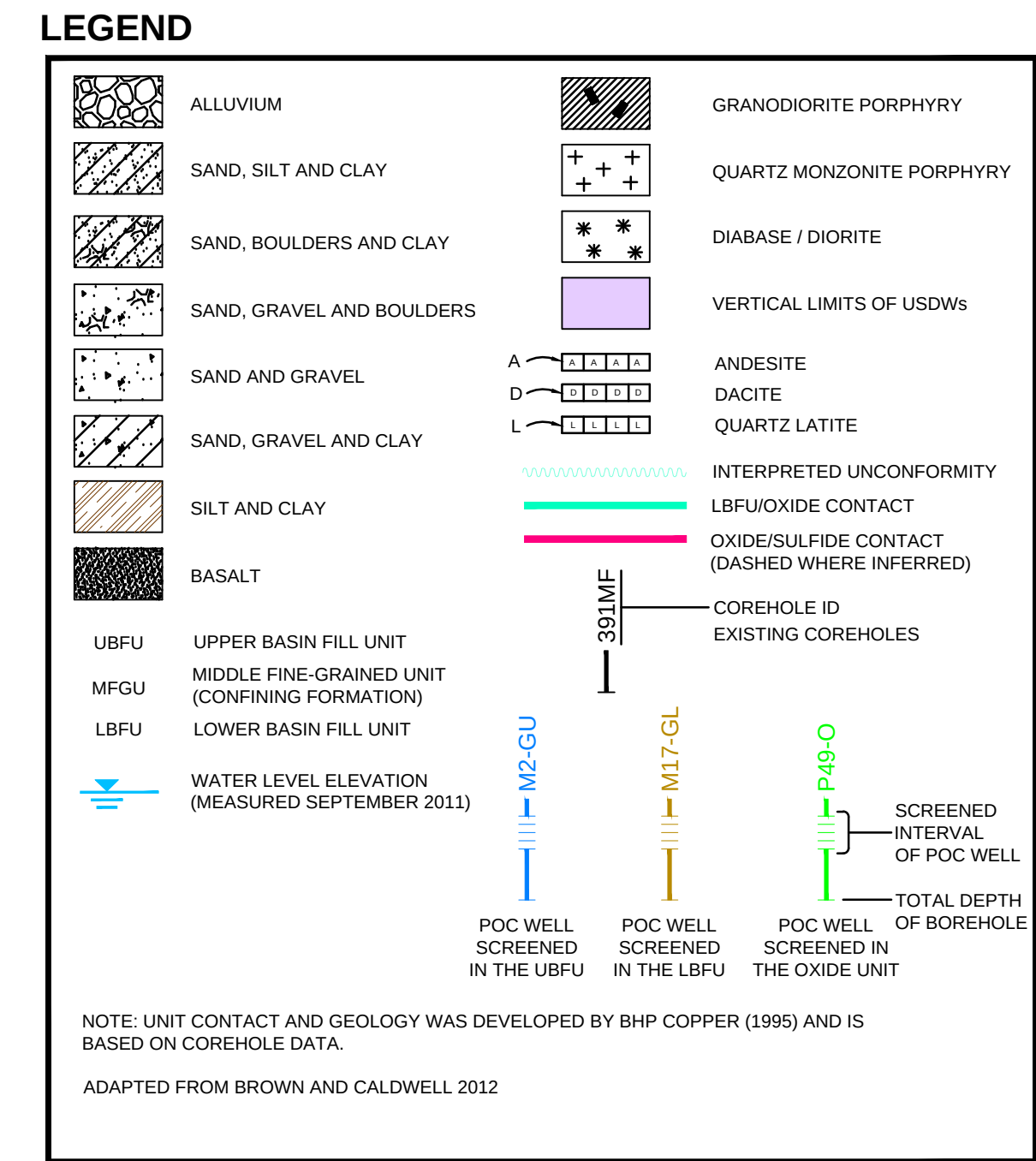
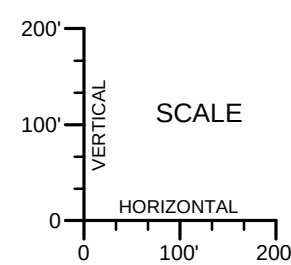
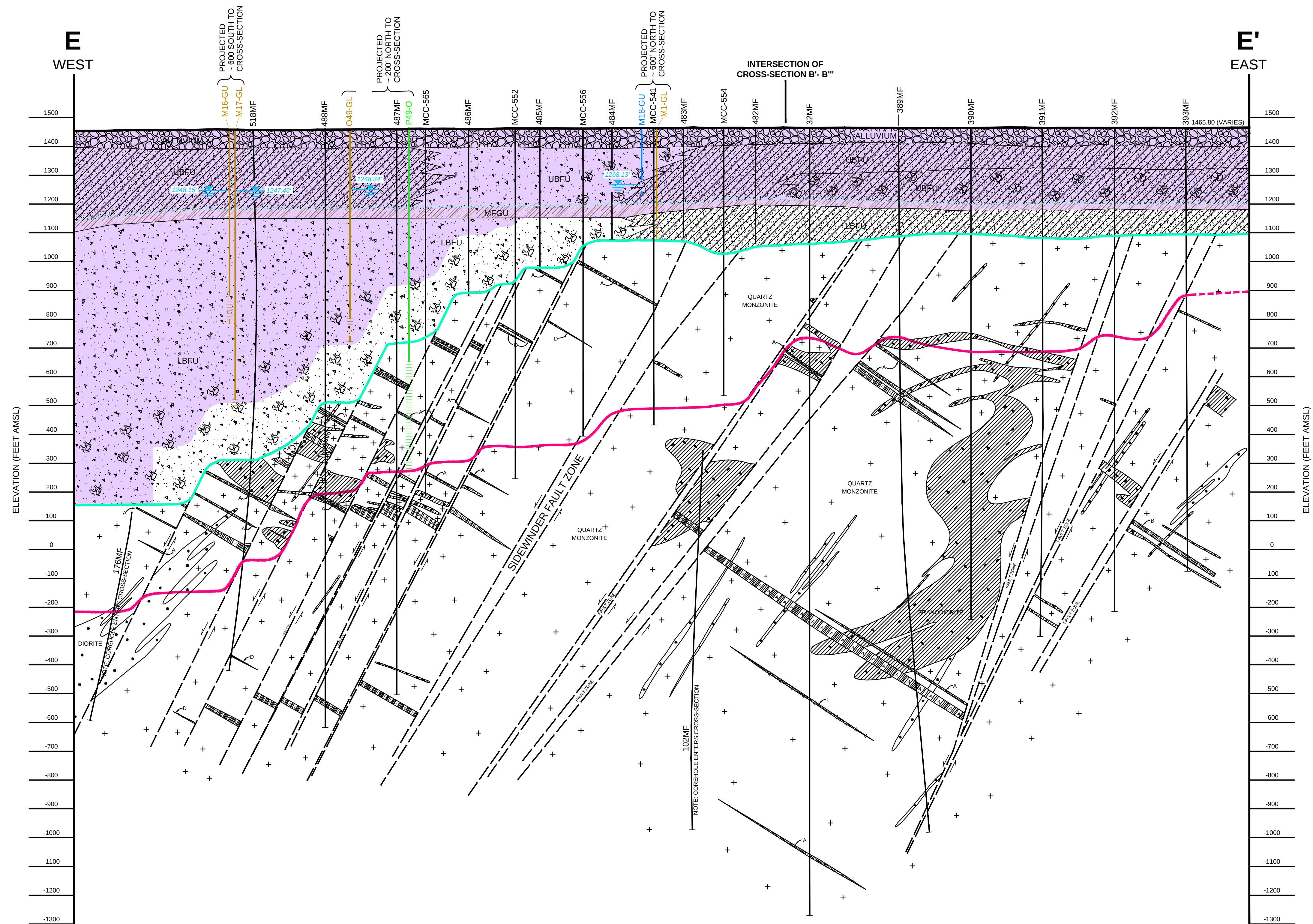
FLORENCE COPPER, INC.
FLORENCE, ARIZONA

GEOLOGIC
CROSS SECTION D-D'

FLORENCE
COPPER INC.

SCALE: AS SHOWN

FIGURE D-7

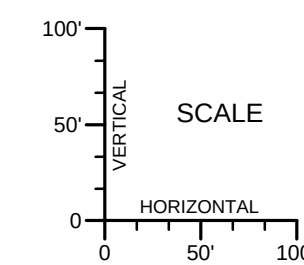
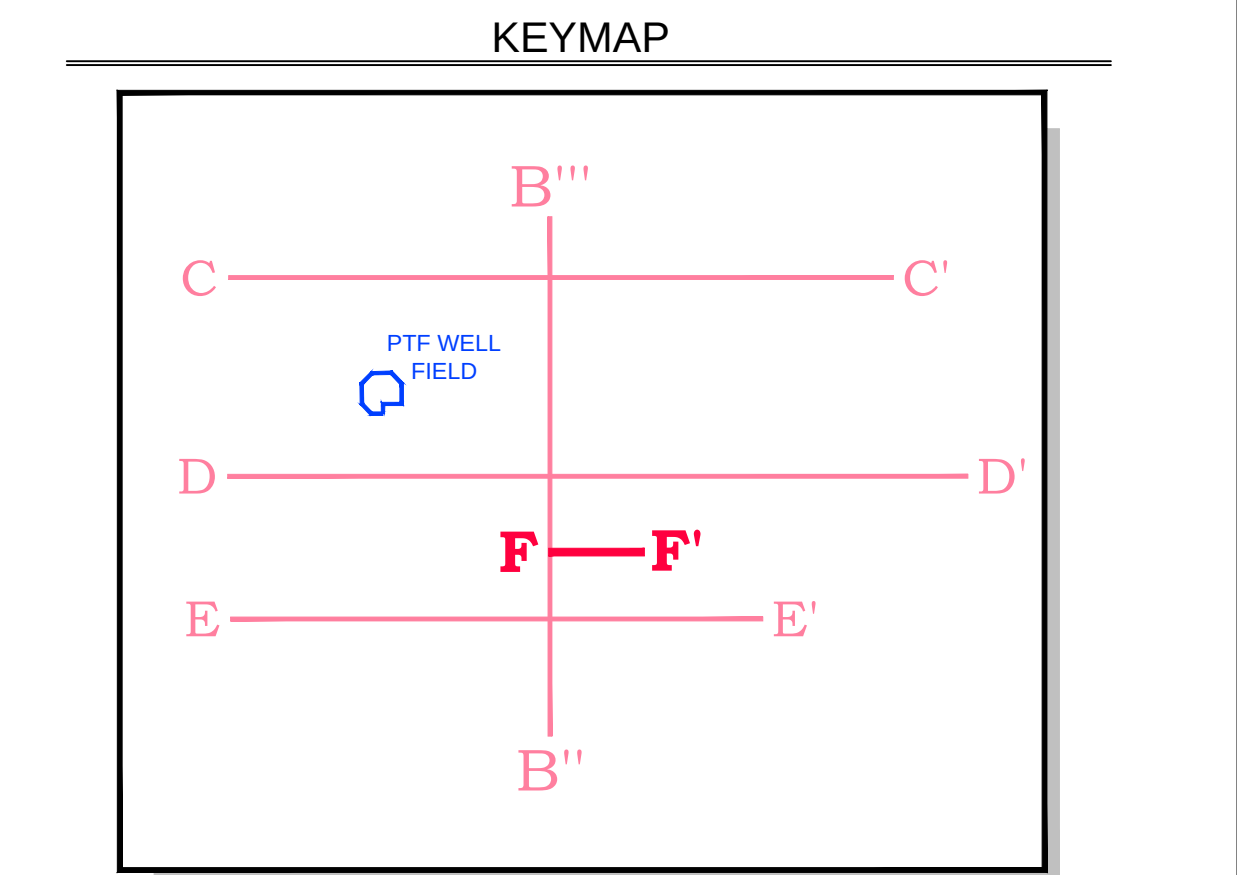
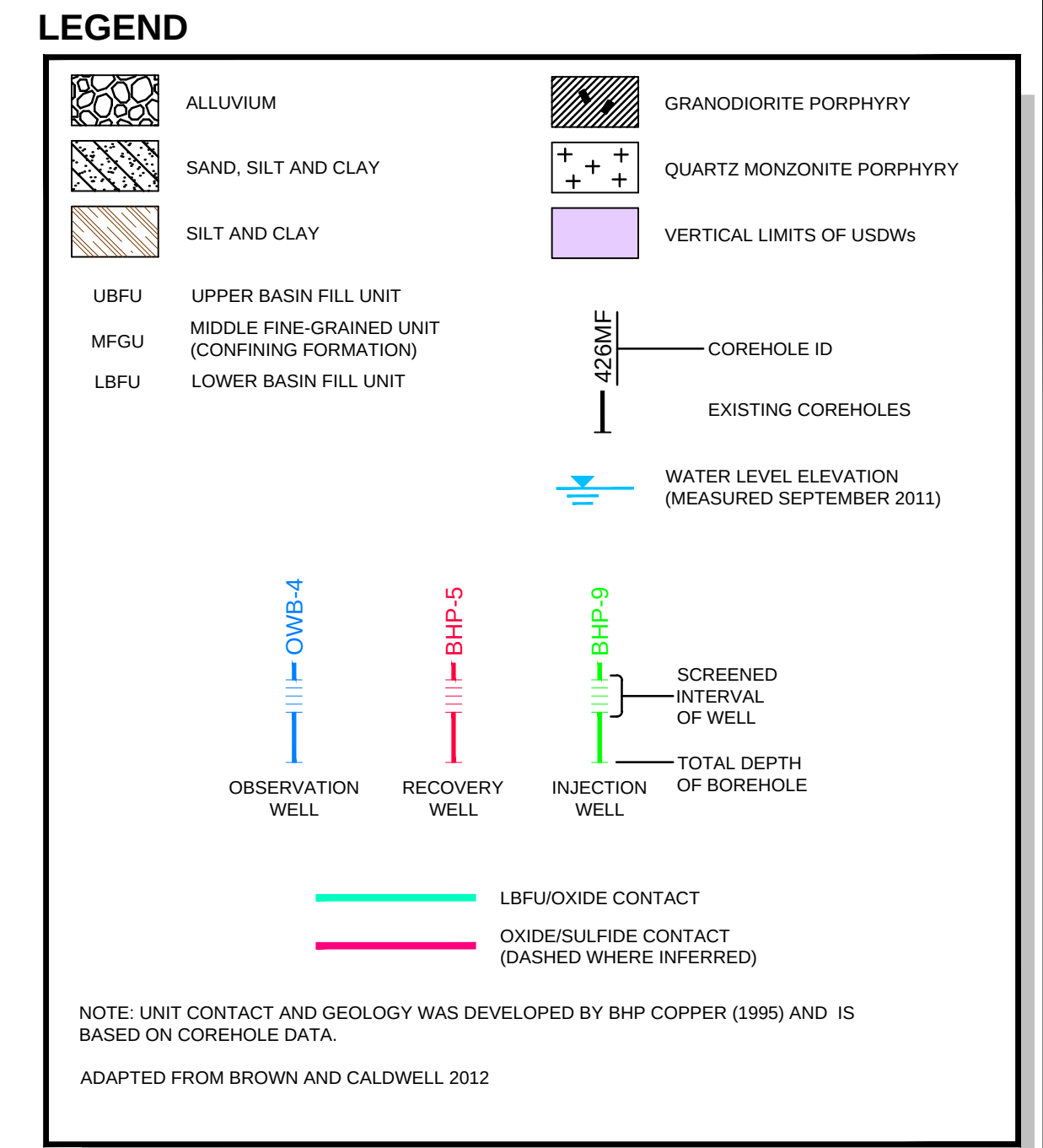
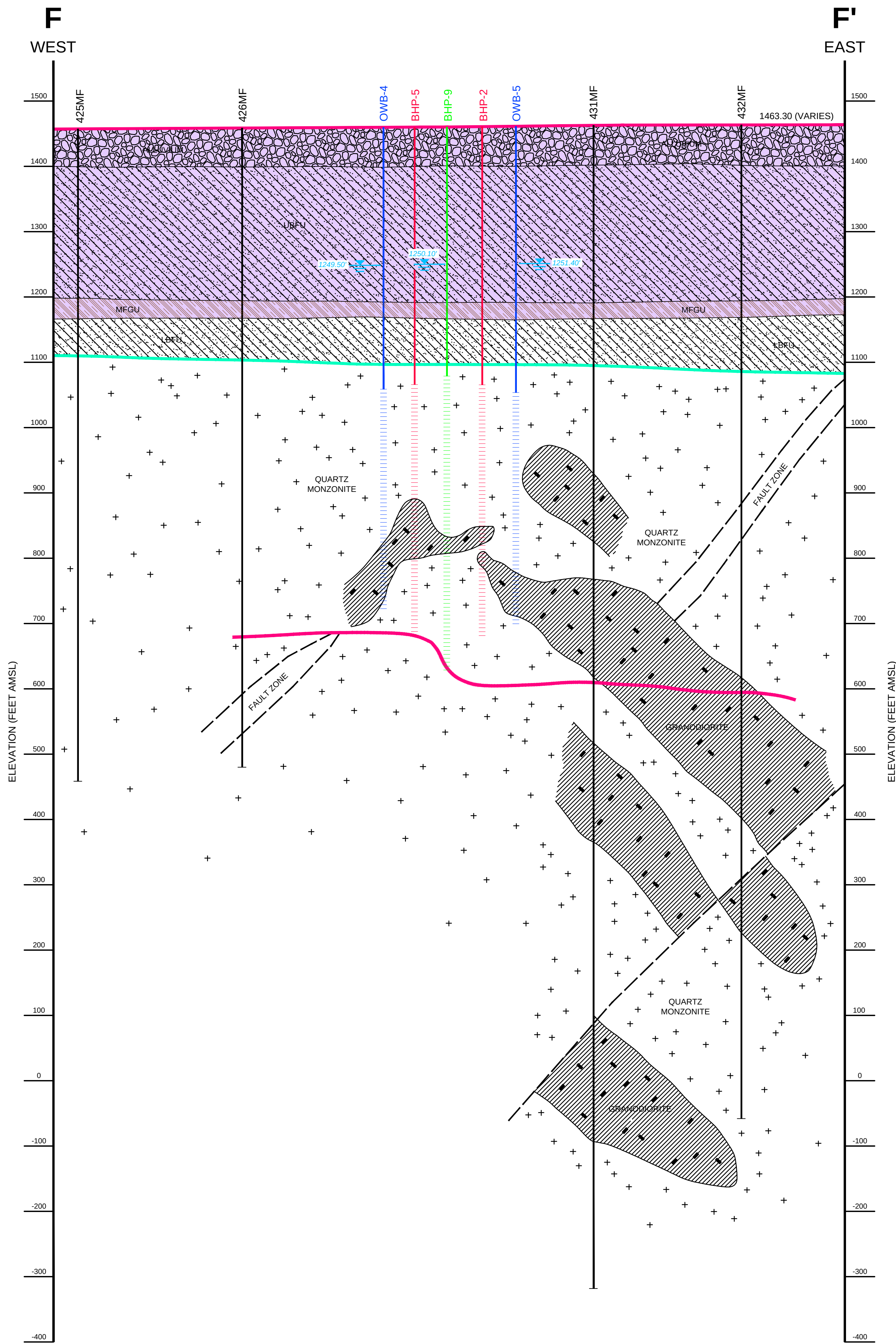


HALEY & ALDRICH FLORENCE COPPER, INC.
FLORENCE, ARIZONA

**GEOLOGIC
CROSS SECTION E-E'**

FLORENCE COPPER INC. SCALE: AS SHOWN

FIGURE D-8



HALEY & ALDRICH

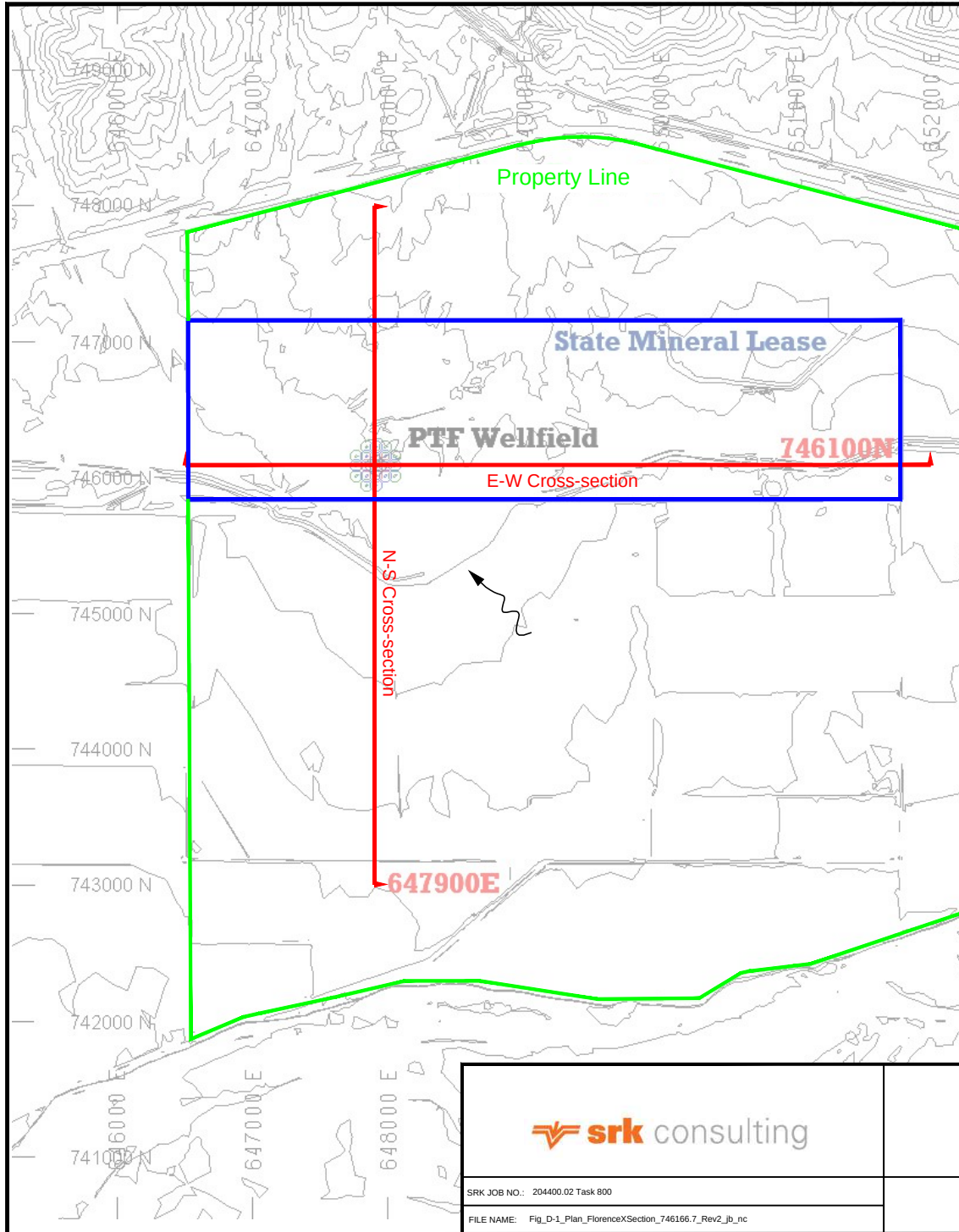
FLORENCE COPPER, INC.
FLORENCE, ARIZONA

**GEOLOGIC
CROSS SECTION F-F'**

**FLORENCE
COPPER INC.**

SCALE: AS SHOWN

FIGURE D-9



Explanation

- Cross-section lines
- Property line
- State mineral lease
- PTF wellfield
- Groundwater Flow Direction

General Notes

1. For illustrative purposes only. Not to scale
2. Coordinates shown are Arizona Central State Plane (ft.)

References

1. Cross-Section locations by SRK



Not to Scale



SRK JOB NO.: 204400.02 Task 800

FILE NAME: Fig_D-1_Plan_FlorenceXSection_746166.7_Rev2_jb_nc



Environmental Support

UIC Application

Plan map showing location of
USDW cross-sections

DATE: MAR. 2014	APPROVED: CKH	FIGURE: D-10	REVISION NO.: 1
--------------------	------------------	-----------------	--------------------

