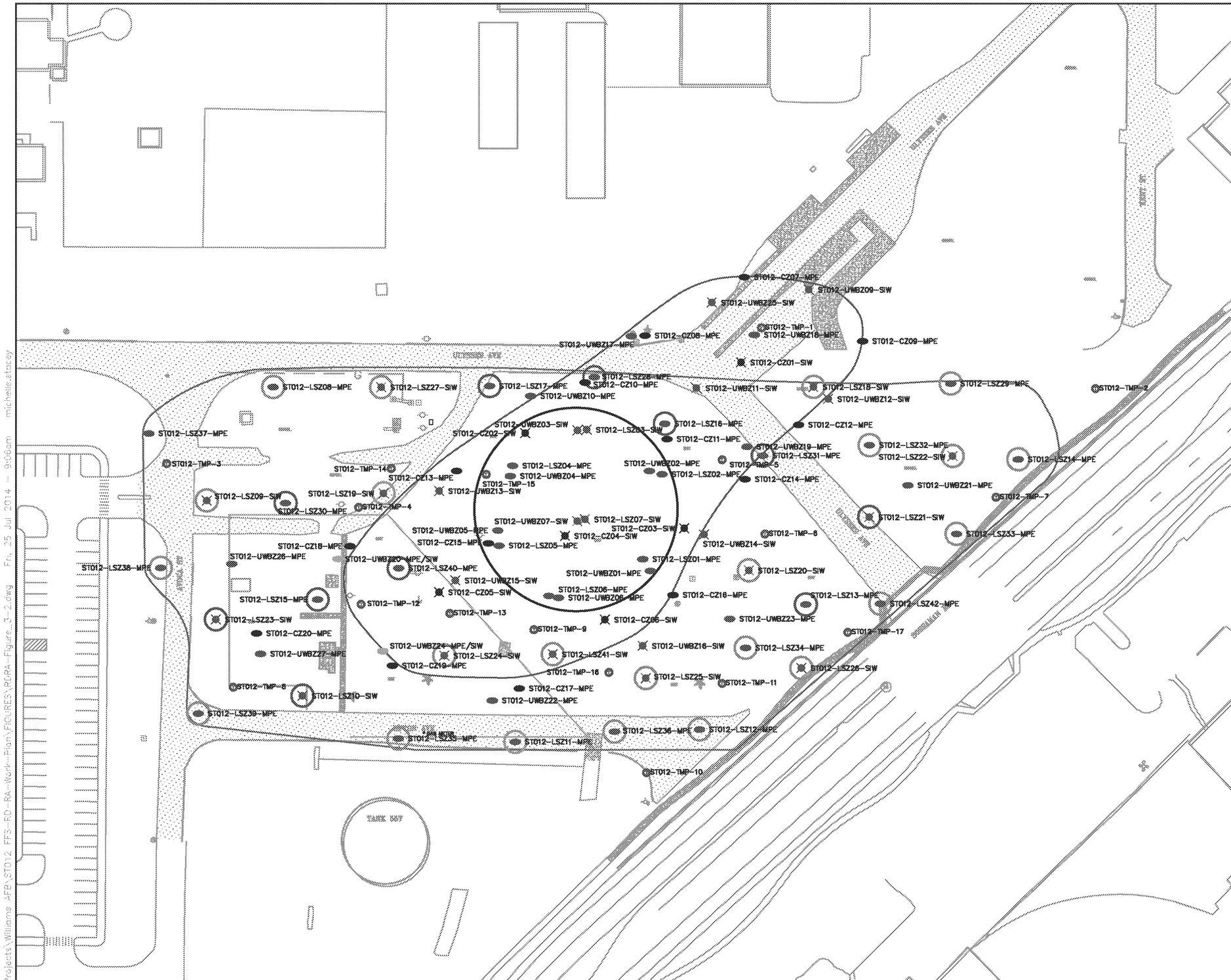

Registered Professional Engineer (Environmental)
CERTIFICATE NO. 53050
STUART C. PEARSON
DATE SIGNED 7/21/14
ARIZONA U.S.A.
Expires 12/31/14

Legend

- SIW CZ = 6
- SIW UWBZ = 10
- SIW LSZ = 15
- MPE CZ = 14
- MPE UWBZ = 14
- MPE LSZ = 27
- DUAL PURPOSE UWBZ = 2
- TEMPERATURE MONITORING LOCATION = 17
- TREATMENT EQUIPMENT AREA
- CZ, UWBZ, RD/RAWP THERMAL TREATMENT ZONE
- LSZ, RD/RAWP THERMAL TREATMENT ZONE
- TEE PILOT TEST WELLS (LNAPL POTENTIAL NOT EVALUATED DUE TO LIMITED DATA. LNAPL GENERALLY ASSUMED TO BE PRESENT IN ALL ZONES IN THIS AREA)
- NO INDICATION OF LNAPL
- POSSIBLE INDICATION OF RESIDUAL LNAPL
- INDICATION OF RESIDUAL LNAPL

NOTE: DATA FOR ST012-LSZ37 WAS LIMITED DUE TO DRILLING METHOD AND WAS NOT INCLUDED IN LNAPL ASSESSMENT.

Abbreviations

CZ	COBBLE ZONE
LNAPL	LIGHT NON-AQUEOUS PHASE LIQUID
LSZ	LOWER SATURATED ZONE
MPE	MULTI-PHASE EXTRACTION
SEE	STEAM ENHANCED EXTRACTION
SIW	STEAM INJECTION WELL
TEE	THERMAL ENHANCED EXTRACTION
UWBZ	UPPER WATER BEARING ZONE

0 80 160 Feet

N

Final, Addendum #1
Remedial Design/Remedial Action Work Plan
ST012 - Former Williams Air Force Base
Mesa, Arizona

UWBZ Subinterval Results
(160 - 170 ft bgs)

FIGURE **3-2**

Job No.	9101110001
PM:	EW
Date:	07/21/2014
Scale:	1"=80 Feet

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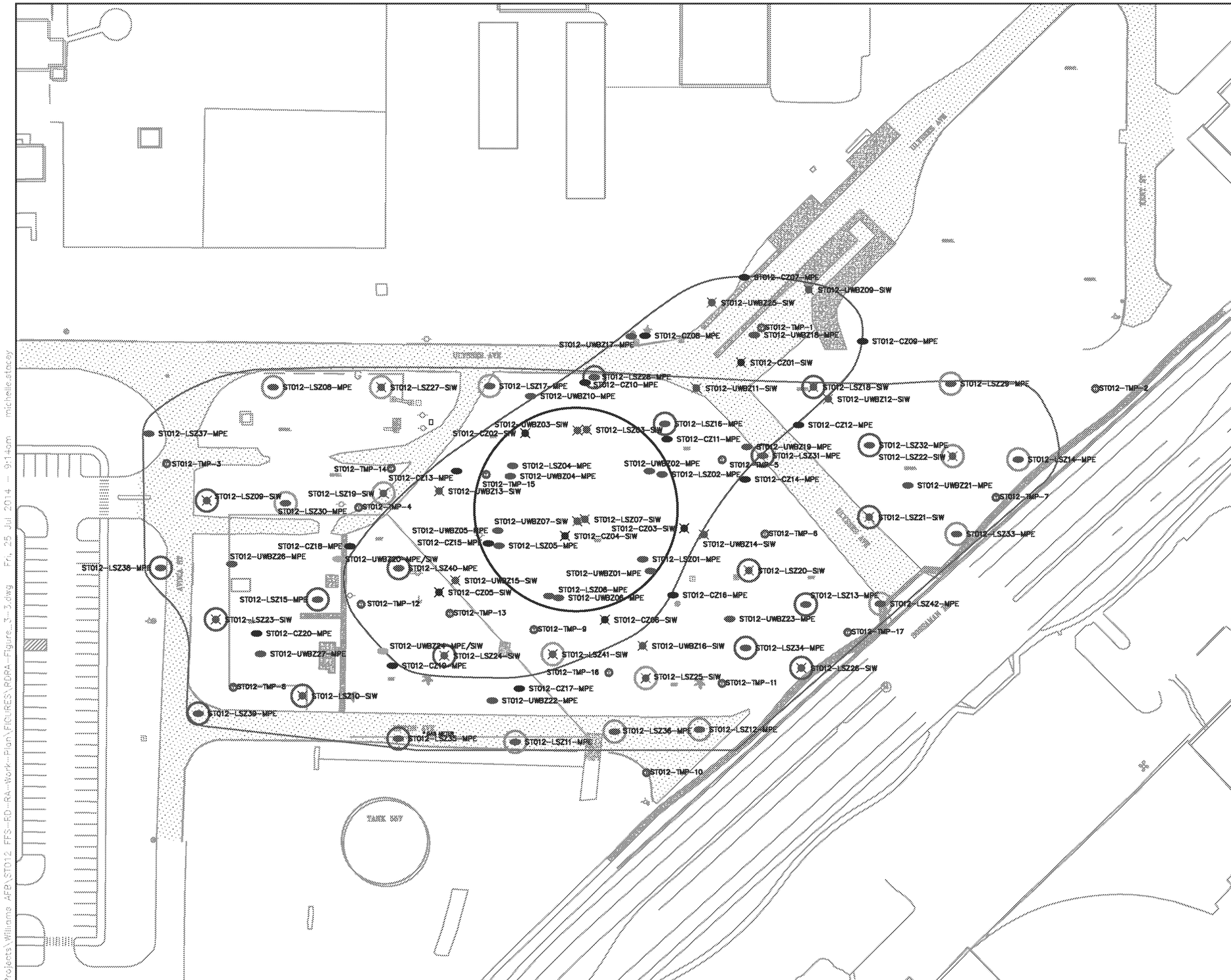

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Legend

- SIW CZ = 6
- SIW UWBZ = 10
- SIW LSZ = 15
- MPE CZ = 14
- MPE UWBZ = 14
- MPE LSZ = 27
- DUAL PURPOSE UWBZ = 2
- TEMPERATURE MONITORING LOCATION = 17
- TREATMENT EQUIPMENT AREA
- CZ, UWBZ, RD/RAWP THERMAL TREATMENT ZONE
- LSZ, RD/RAWP THERMAL TREATMENT ZONE
- TEE PILOT TEST WELLS (LNAPL POTENTIAL NOT EVALUATED DUE TO LIMITED DATA. LNAPL GENERALLY ASSUMED TO BE PRESENT IN ALL ZONES IN THIS AREA)
- NO INDICATION OF LNAPL
- POSSIBLE INDICATION OF RESIDUAL LNAPL
- INDICATION OF RESIDUAL LNAPL

NOTE: DATA FOR ST012-LSZ37 WAS LIMITED DUE TO DRILLING METHOD AND WAS NOT INCLUDED IN LNAPL ASSESSMENT.

Abbreviations

CZ	COBBLE ZONE
LNAPL	LIGHT NON-AQUEOUS PHASE LIQUID
LSZ	LOWER SATURATED ZONE
MPE	MULTI-PHASE EXTRACTION
SEE	STEAM ENHANCED EXTRACTION
SIW	STEAM INJECTION WELL
TEE	THERMAL ENHANCED EXTRACTION
UWBZ	UPPER WATER BEARING ZONE

0 80 160 Feet

N

Final, Addendum #1
Remedial Design/Remedial Action Work Plan
ST012 - Former Williams Air Force Base
Mesa, Arizona

UWBZ Subinterval Results (170 - 180 ft bgs)

FIGURE 3-3

Job No.	9101110001
PM:	EW
Date:	07/21/2014
Scale:	1"=80 Feet

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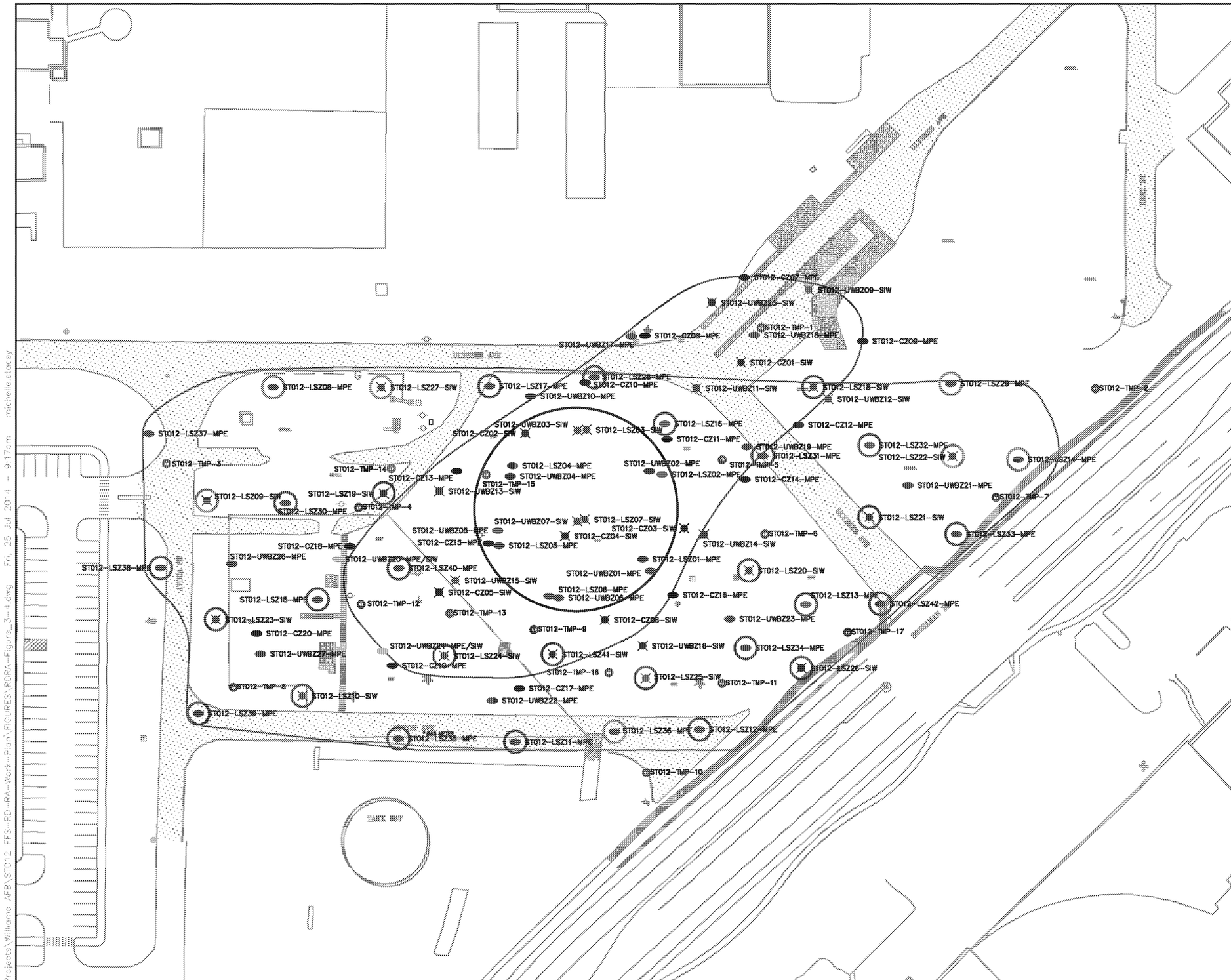

Registered Professional Engineer (Environmental)
CERTIFICATE NO. 53050
STUART C. PEARSON
DATE SIGNED 7/25/14
ARIZONA U.S.A.
expires 12/31/14

Legend

- SIW CZ = 6
- SIW UWBZ = 10
- SIW LSZ = 15
- MPE CZ = 14
- MPE UWBZ = 14
- MPE LSZ = 27
- DUAL PURPOSE UWBZ = 2
- TEMPERATURE MONITORING LOCATION = 17
- TREATMENT EQUIPMENT AREA
- CZ, UWBZ, RD/RAWP THERMAL TREATMENT ZONE
- LSZ, RD/RAWP THERMAL TREATMENT ZONE
- TEE PILOT TEST WELLS (LNAPL POTENTIAL NOT EVALUATED DUE TO LIMITED DATA. LNAPL GENERALLY ASSUMED TO BE PRESENT IN ALL ZONES IN THIS AREA)
- NO INDICATION OF LNAPL
- POSSIBLE INDICATION OF RESIDUAL LNAPL
- INDICATION OF RESIDUAL LNAPL

NOTE: DATA FOR ST012-LSZ37 WAS LIMITED DUE TO DRILLING METHOD AND WAS NOT INCLUDED IN LNAPL ASSESSMENT.

Abbreviations

CZ	COBBLE ZONE
LNAPL	LIGHT NON-AQUEOUS PHASE LIQUID
LSZ	LOWER SATURATED ZONE
MPE	MULTI-PHASE EXTRACTION
SEE	STEAM ENHANCED EXTRACTION
SIW	STEAM INJECTION WELL
TEE	THERMAL ENHANCED EXTRACTION
UWBZ	UPPER WATER BEARING ZONE

0 80 160 Feet

N

Final, Addendum #1
Remedial Design/Remedial Action Work Plan
ST012 - Former Williams Air Force Base
Mesa, Arizona

UWBZ Subinterval Results
(180 - 195 ft bgs)

FIGURE **3-4**

Job No.	9101110001
PM:	EW
Date:	07/21/2014
Scale:	1"=80 Feet

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