Gilbane

RADIOLOGICAL SURVEY FORM

CONTRACT NO / TO NO: N62473-10-D-0808	PROJECT TITLE / LOCATION: Rad Remediation D-1, Phase II / HPNS	ITSI GILBANE PROJECT NO: 07204.0004

Survey No.: 07204.0004-1002-INF	Date: 7/29/2014	Location: HPNS	Survey Type: Information
Chris Robbins	Christopher J. Robbins	Ed Palser	
Tech Printed Name	Signature	RSO Printed Name	Signature

Instrument(s)

Model	Serial	Cal Due Date	Probe Model	Probe Serial	Cal Due Date	BKG α	BKG β	BKG γ	BKG μr/Hr	Eff. α	Eff. β
19	36519	12/26/2014	N/A	→				→	5.1	N/A	→
N/A	→									→	→
N/A	→									→	→

Survey Description / Map /Photo

Survey Unit: E

Trench #: 04-PDT-005

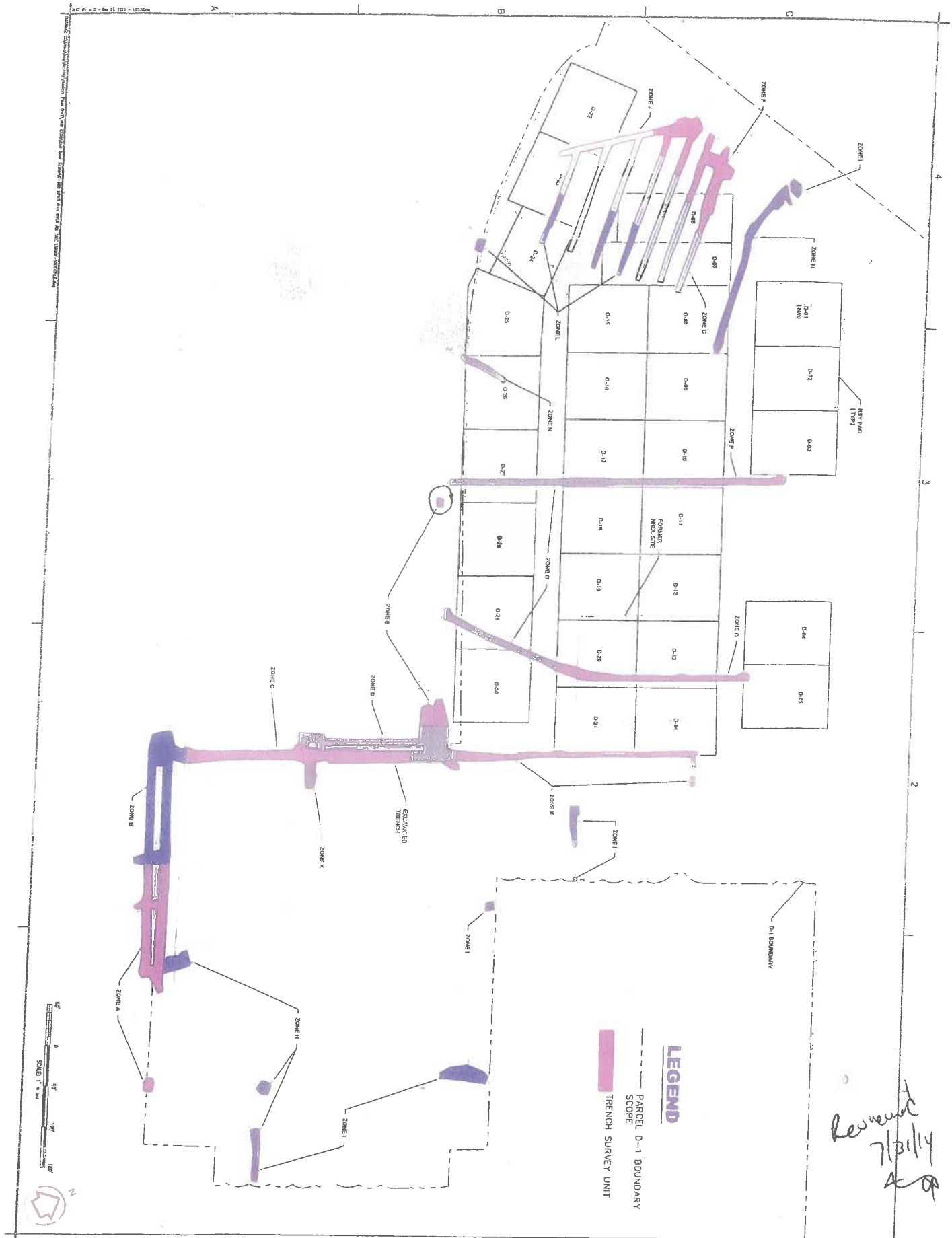
Soil Survey Units (D0001 to D0042)

Jericho	Stockpile	N/A	→	N/A
N/A	→	→	→	N/A

From the Bottom of Trench

				μR/Hr	μR/Hr	μR/Hr	μR/Hr
Soil Compaction Lift From	0	ft to	1	6	5	5	5
Soil Compaction Lift From	1	ft to	2	6	7	7	6
Soil Compaction Lift From	2	ft to	3	6	5	7	6
Soil Compaction Lift From	3	ft to	4	N/A	N/A	N/A	N/A
Soil Compaction Lift From	4	ft to	5				
Soil Compaction Lift From	5	ft to	6				
Soil Compaction Lift From	6	ft to	7				
Soil Compaction Lift From	7	ft to	8				
Soil Compaction Lift From	8	ft to	9				
Soil Compaction Lift From	9	ft to	10				
Soil Compaction Lift From	10	ft to	11	↓	↓	↓	↓

Comments: Informational Survey During Backfill Operation. Dose rates taken at 1 meter above surface to support RESRAD model. Model 19 BKGD from taken from instrument set up sheet.



Reviewed 7/31/14

Sheet reference number: 1 of 2	VERIFY SCALE BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALE ACCORDINGLY	RADIALOGICAL REMEDIATION AND SUPPORT PARCEL D-1, PHASE II HUNTERS POINT NAVAL SHIPYARD SAN FRANCISCO, CALIFORNIA	AS-BUILT PLANS DECEMBER 2013	TRENCH EXCAVATION LAYOUT PLAN	TSI Tibane 2730 Shadelands Drive Walnut Creek, CA. 94598

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Gilbane

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19	36519	12/26/2014	N/A	→				→	5.1	N/A	→
N/A	→										→
N/A	→										→

Survey Description / Map /Photo

Survey Unit: E

Trench #: 04-PDT-005

Soil Survey Units (D0001 to D0042)

Jericho	Stockpile	N/A	→	N/A
N/A	→		→	N/A

From the Bottom of Trench

				μR/Hr	μR/Hr	μR/Hr	μR/Hr
Soil Compaction Lift From	0	ft to	1	6	6	5	6
Soil Compaction Lift From	1	ft to	2	6	5	5	5
Soil Compaction Lift From	2	ft to	3	5	5	6	5
Soil Compaction Lift From	3	ft to	4	6	6	5	5
Soil Compaction Lift From	4	ft to	5	5	6	5	6
Soil Compaction Lift From	5	ft to	6	5	5	5	6
Soil Compaction Lift From	6	ft to	7	N/A	N/A	N/A	N/A
Soil Compaction Lift From	7	ft to	8	↓	↓	↓	↓
Soil Compaction Lift From	8	ft to	9	↓	↓	↓	↓
Soil Compaction Lift From	9	ft to	10	↓	↓	↓	↓
Soil Compaction Lift From	10	ft to	11	↓	↓	↓	↓

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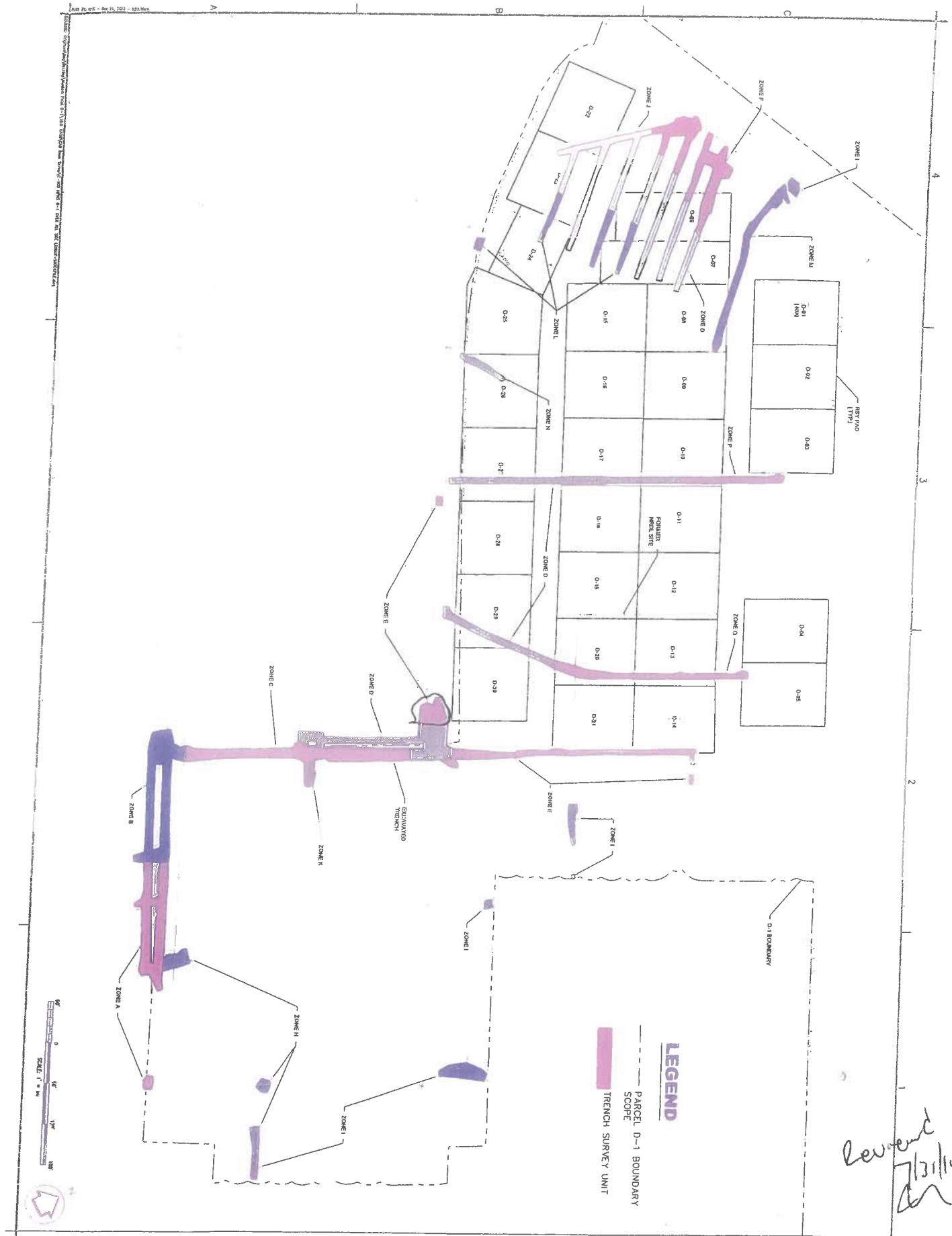

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Gilbane

RADIOLOGICAL SURVEY FORM

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Survey No.: 07204.0004-1002-INF	Date: 7/14/2014	Location: HPNS	Survey Type: Information
Chris Robbins	Christopher J. Robbins	Ed Palser	
Tech Printed Name	Signature	RSO Printed Name	Signature

Instrument(s)

Model	Serial	Cal Due Date	Probe Model	Probe Serial	Cal Due Date	BKG α	BKG β	BKG γ	BKG μr/Hr	Eff. α	Eff. β
19	286213	7/27/2014	N/A	→	→	→	→	→	5.4	N/A	→
N/A	→	→	→	→	→	→	→	→	→	→	→
N/A	→	→	→	→	→	→	→	→	→	→	→

Survey Description / Map /Photo

Survey Unit: E

Trench #: 04-PDT-005

Soil Survey Units (D0001 to D0042)

D0039	D0029	D0040	N/A	N/A
N/A	→	→	→	N/A

From the Bottom of Trench

				μR/Hr	μR/Hr	μR/Hr	μR/Hr
Soil Compaction Lift From	0	ft to	1	8	7	7	7
Soil Compaction Lift From	1	ft to	2	7	8	9	7
Soil Compaction Lift From	2	ft to	3	7	8	7	7
Soil Compaction Lift From	3	ft to	4	N/A	N/A	N/A	N/A
Soil Compaction Lift From	4	ft to	5				
Soil Compaction Lift From	5	ft to	6				
Soil Compaction Lift From	6	ft to	7				
Soil Compaction Lift From	7	ft to	8				
Soil Compaction Lift From	8	ft to	9				
Soil Compaction Lift From	9	ft to	10				
Soil Compaction Lift From	10	ft to	11	↓	↓	↓	↓

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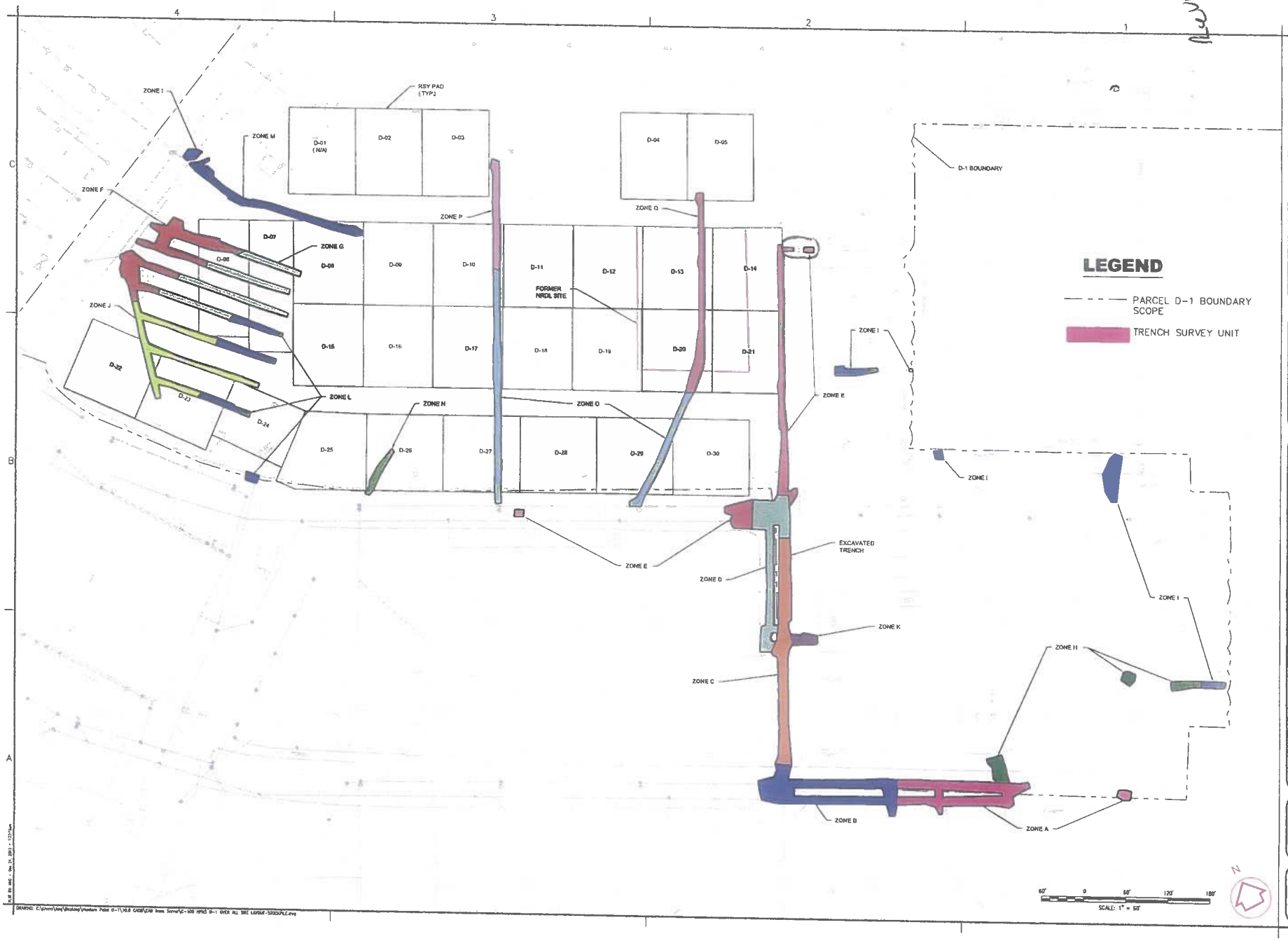

TSI Gilbane
2730 Shadelands Drive
Walnut Creek, CA. 94598

TRENCH EXCAVATION LAYOUT PLAN

AS-BUILT PLANS
DECEMBER 2013

RADIALOGICAL REMEDIATION AND SUPPORT
PARCEL D-1, PHASE II
HUNTERS POINT NAVAL SHIPYARD
SAN FRANCISCO, CALIFORNIA

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALE ACCORDINGLY

Sheet reference number: 1 of 2

Gilbane

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Tech Printed Name	Signature	RSO Printed Name	Signature

Instrument(s)

Model	Serial	Cal Due Date	Probe Model	Probe Serial	Cal Due Date	BKG α	BKG β	BKG γ	BKG μr/Hr	Eff. α	Eff. β
19	286213	7/27/2014	N/A	→				→	5.4	N/A	→
N/A	→										→
N/A	→										→

Survey Description / Map /Photo

Survey Unit: E

Trench #: 04-PDT-005

Soil Survey Units (D0001 to D0042)

D0029	D0039	D0040	N/A	N/A
N/A	→	→	→	N/A

From the Bottom of Trench

				μR/Hr	μR/Hr	μR/Hr	μR/Hr
Soil Compaction Lift From	0	ft to	1	8	9	9	8
Soil Compaction Lift From	1	ft to	2	7	8	9	7
Soil Compaction Lift From	2	ft to	3	7	8	8	7
Soil Compaction Lift From	3	ft to	4	7	8	7	7
Soil Compaction Lift From	4	ft to	5	8	7	7	7
Soil Compaction Lift From	5	ft to	6	N/A	N/A	N/A	N/A
Soil Compaction Lift From	6	ft to	7	↓	↓	↓	↓
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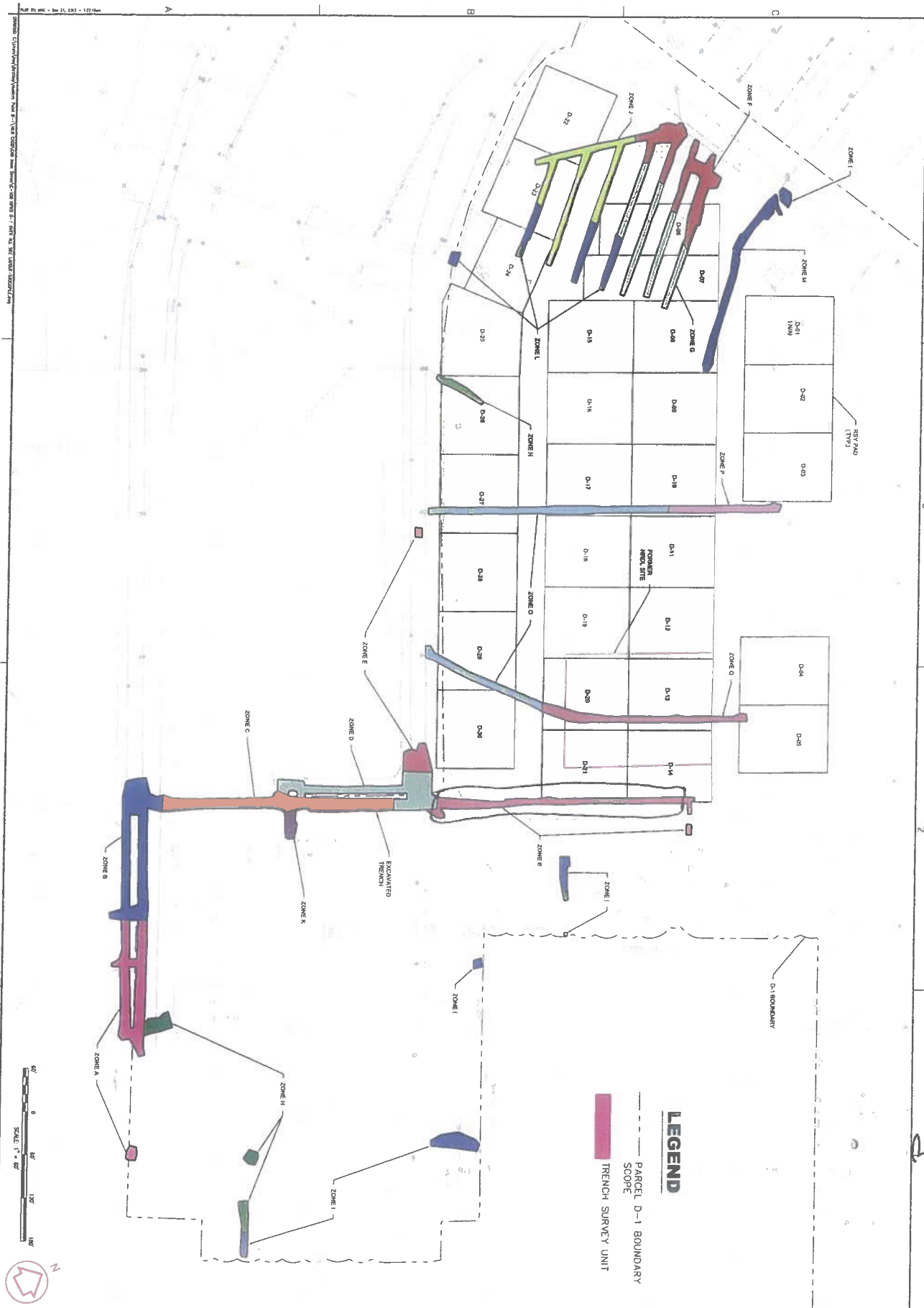

Reviewed 7/30/14

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1 of 2	BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALE ACCORDINGLY				

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