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.: 07204.0004-1003-INF	Date: 7/17/2014	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: L

Trench #: 04-PDT-012

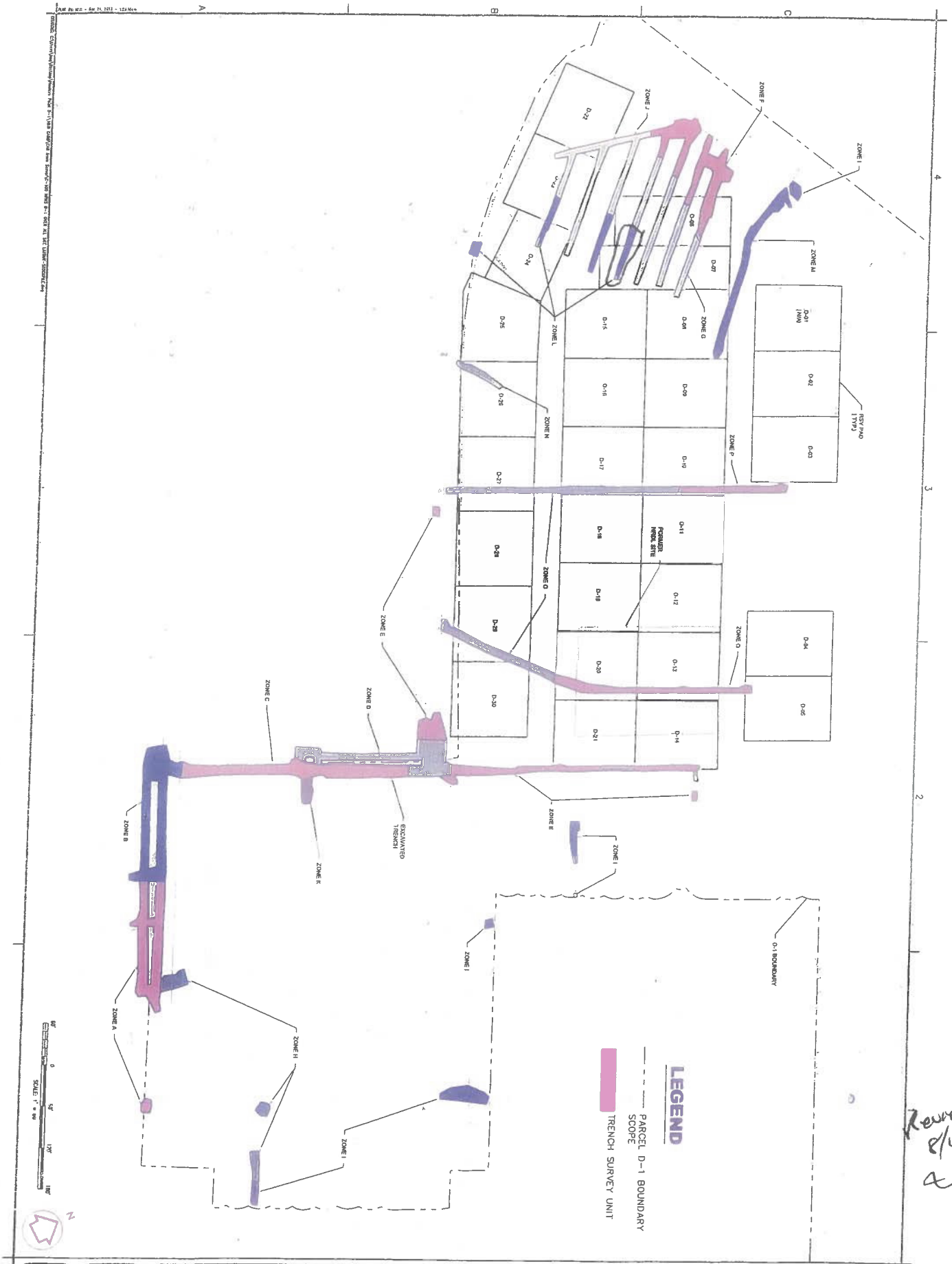
Soil Survey Units (D0001 to D0042)

D0026	D0028	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	7	6	6	7
Soil Compaction Lift From	1	ft to	2	6	7	5	7
Soil Compaction Lift From	2	ft to	3	7	6	6	6
Soil Compaction Lift From	3	ft to	4	6	6	7	6
Soil Compaction Lift From	4	ft to	5	6	6	6	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	↓	↓	↓	↓
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 8/4/14

Sheet reference number:	VERIFY SCALE	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 Gilbane 2730 Shadelands Drive Walnut Creek, CA. 94598
1 of 2	BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALE ACCORDINGLY				

07204.0004-1003 Inf

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.: 07204.0004-1003-INF	Date: 7/21/2014	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: L

Trench #: 04-PDT-012

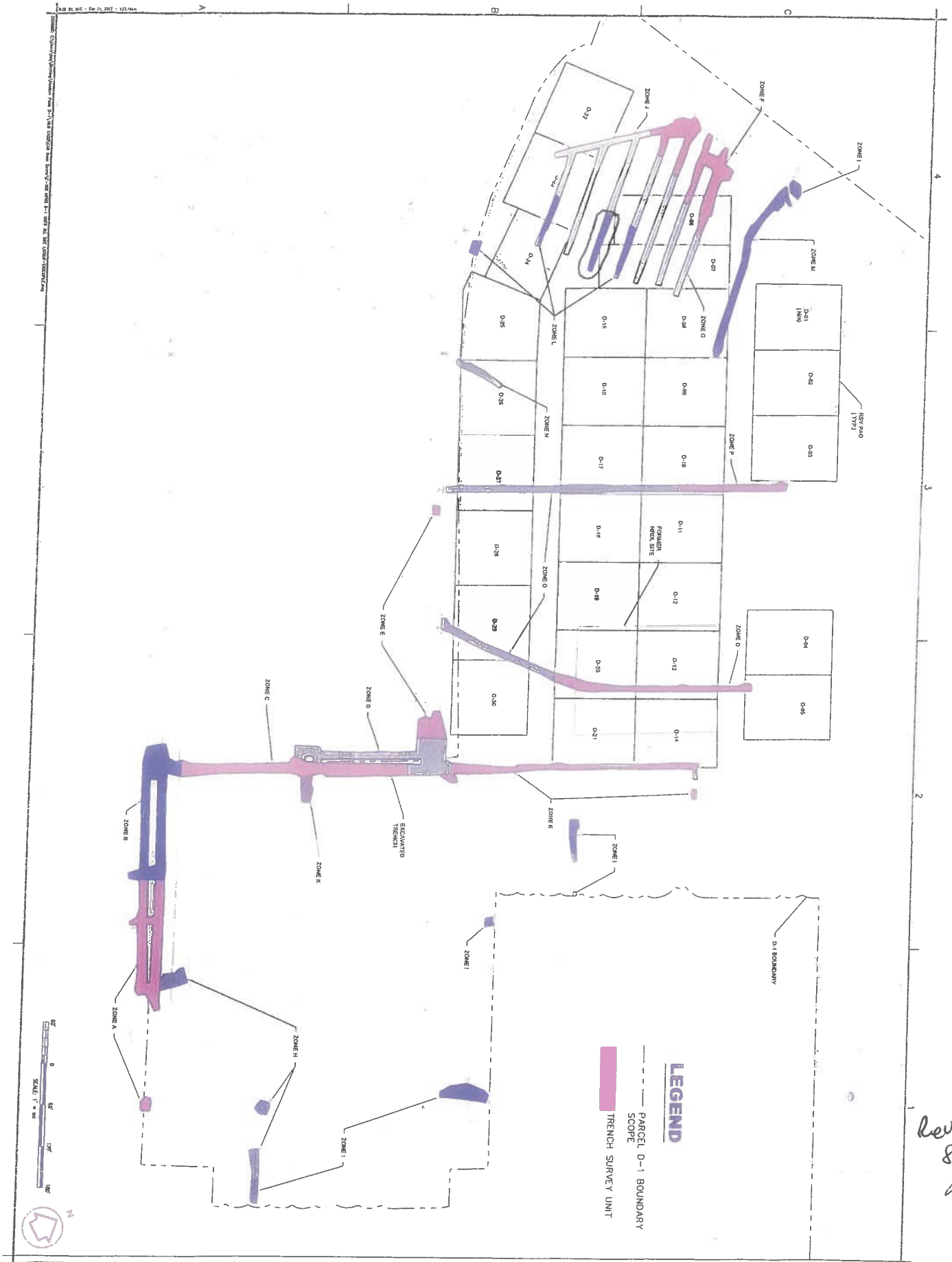
Soil Survey Units (D0001 to D0042)

D0026	D0028	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	7	6	6	7
Soil Compaction Lift From	1	ft to	2	7	7	7	7
Soil Compaction Lift From	2	ft to	3	6	7	7	7
Soil Compaction Lift From	3	ft to	4	7	7	6	7
Soil Compaction Lift From	4	ft to	5	6	7	6	6
Soil Compaction Lift From	5	ft to	6	N/A	N/A	N/A	N/A
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.



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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 Gilbane
2730 Shadelands Drive
Walnut Creek, CA. 94598

Reviewed 8/4/14

07204.0004-1003 - Inf

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.: 07204.0004-1003-INF	Date: 7/21/2014	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: L

Trench #: 04-PDT-012

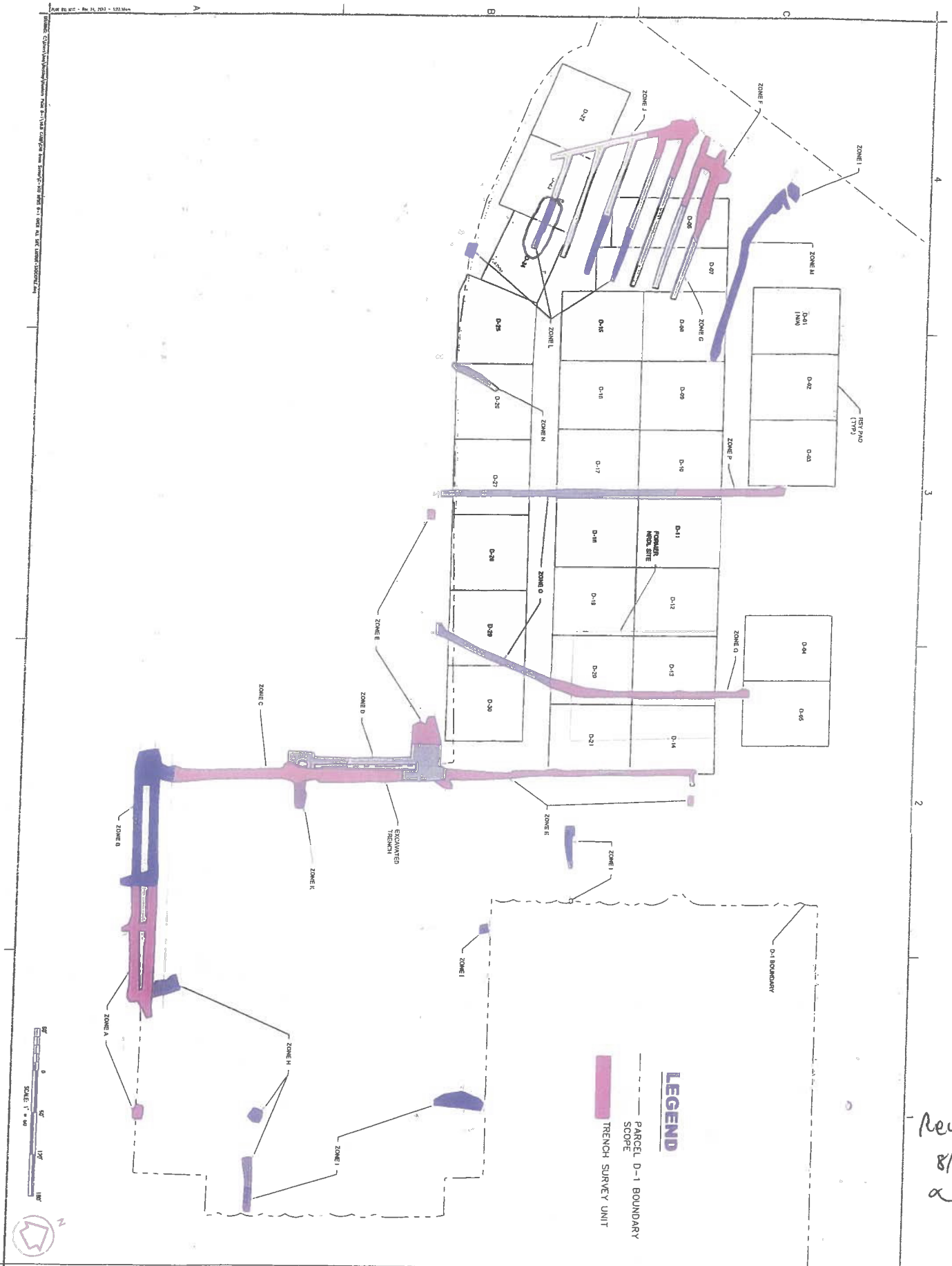
Soil Survey Units (D0001 to D0042)

D0026	N/A	→	→	N/A
D0028	Jericho	Stockpile	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	7	6	7
Soil Compaction Lift From	1	ft to	2	6	6	7	6
Soil Compaction Lift From	2	ft to	3	6	6	5	6
Soil Compaction Lift From	3	ft to	4	5	5	5	6
Soil Compaction Lift From	4	ft to	5	5	5	6	5
Soil Compaction Lift From	5	ft to	6	N/A	N/A	N/A	N/A
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.



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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 Gilbane
2730 Shadelands Drive
Walnut Creek, CA. 94598

Reviewed 8/4/14

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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.: 07204.0004-1003-INF	Date: 7/24/2014	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: L

Trench #: 04-PDT-012

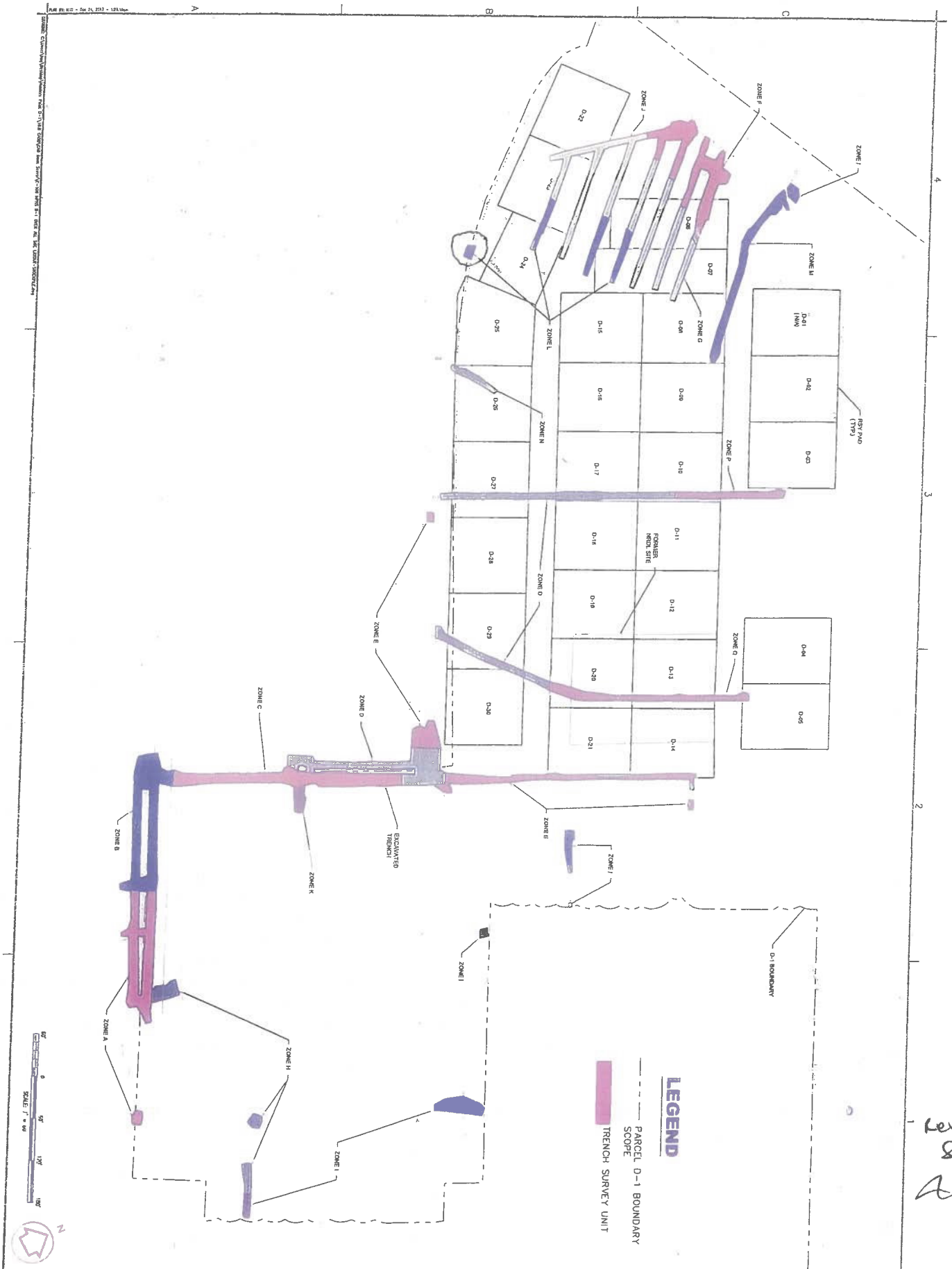
Soil Survey Units (D0001 to D0042)

D0026	N/A	→	→	N/A
D0028	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	N/A	N/A	N/A	N/A
Soil Compaction Lift From	3	ft to	4				
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.



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