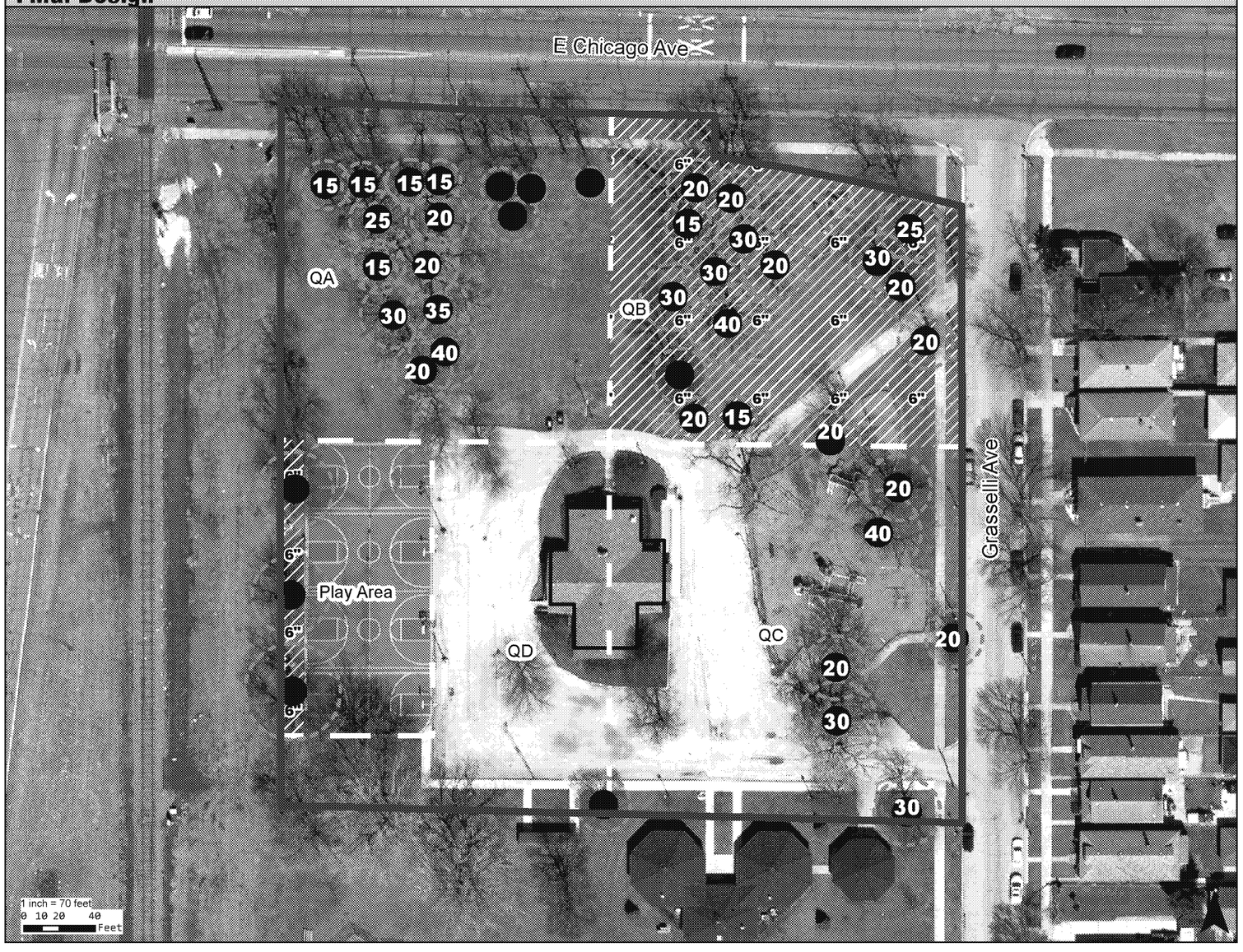
Final Design



Sample Data

Riley Park North

Depth	QA - Lead	QA - Arsenic	QB - Lead	QB - Arsenic	QC - Lead	QC - Arsenic	QD - Lead	QD- Arsenic	PA - Lead	PA- Arsenic
0-6 inches	200	13	410	21	176	13	130 J	16	220	37
6-12 inches	152	18 U	220	20 J	240	18	161	19 U	213	Not sampled in RI
12-18 inches	107	Not sampled in RI	75	17	202	20 U	160	20	190	Not sampled in RI
18-24 inches	57	Not sampled in RI	75	Not sampled in RI	220	16 J	170	19	258	Not sampled in RI
24-30 inches	Native Sand	Not sampled in RI	Native Sand	Not sampled in RI	83	14	Native Sand	Native Sand	Not sampled in RI	Not sampled in RI

J - Estimated / U - Non-Detect

document path: C:\Users\jshepherd\Projects\USS Lead\GIS\MXDs\Designs\Zone 3 Final Designs - Quads 2.mxd author: JShepherd

Notes

Sampling Notes

QA: 1: refusal @ 6" 2: sand @ 12" 3: sand @ 11" 4: sand @ 10" 5: sand @ 12"

QB: 1: sand @ 10" 2: sand @ 7" 3: sand @ 16" 4: sand @ 10" 5: sand @ 18"

QC: 1: sand @ 12" 2: sand @ 10" 3: sand @ 4" 4: sand @ 30" 5: sand @ 10"

QD: 1: sand @ 13" 2: refusal @ 24" 3: refusal @ 10" 4: sand @ 13" 5: sand @ 10"

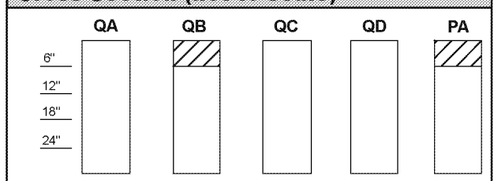
Design Notes

Quadrant A requires no remediation.
Excavation Depth is 6 inches in Quadrant B.
Quadrant C requires no remediation.
Quadrant D requires no remediation.
Excavation Depth is 6 inches in the Play Area.

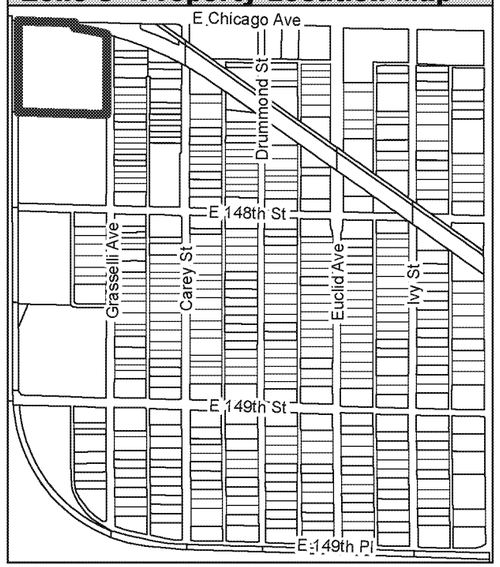
All material in Quadrant B is considered Type-1 waste.
All material in the Play Area is considered Type-1 waste.

Type-1 waste exceeds clean up goals.
Type-2 waste fails toxicity criteria.

Cross Section (not to scale)



Zone 3 - Property Location Map



Design Information

Access agreement: 2/10/2015

Date sampled:
QA: 12/16/2015 9:00:00 AM
QB: 12/16/2015 9:15:00 AM
QC: 12/16/2015 9:30:00 AM
QD: 12/16/2015 9:45:00 AM
PA: 12/10/2009 9:35 AM

Date restoration agreement:

Quantities

	Units	QA	QB
Type-1	cu yd	0	532
Type-2	cu yd	0	0
Total	cu yd	0	532
Sod	sq yd	0	3194
Barrier		No	No

	Units	QC	QD	PA
Type-1	cu yd	0	0	41
Type-2	cu yd	0	0	0
Total	cu yd	0	0	41
Sod	sq yd	0	0	243
Barrier		No	No	No

Legend

- Property Boundary
- Yard Boundary
- Only Type-1 Waste Present
- Type-2 Waste Present
- Visual Barrier
- START Remediated to 24"
- Tree (Trunk Diameter in Inches)
- Tree Canopy
- Bushes

Revisions/Review

#	Date	Drawn By	QC'd By	Date

US SMELTER & LEAD REFINERY
LAKE COUNTY, EAST CHICAGO, INDIANA

Riley Park North
Parcel # 450328407002000024

EPA REGION 5 RAC 2 Date Created: 10/3/2016

ST SulTRAC