

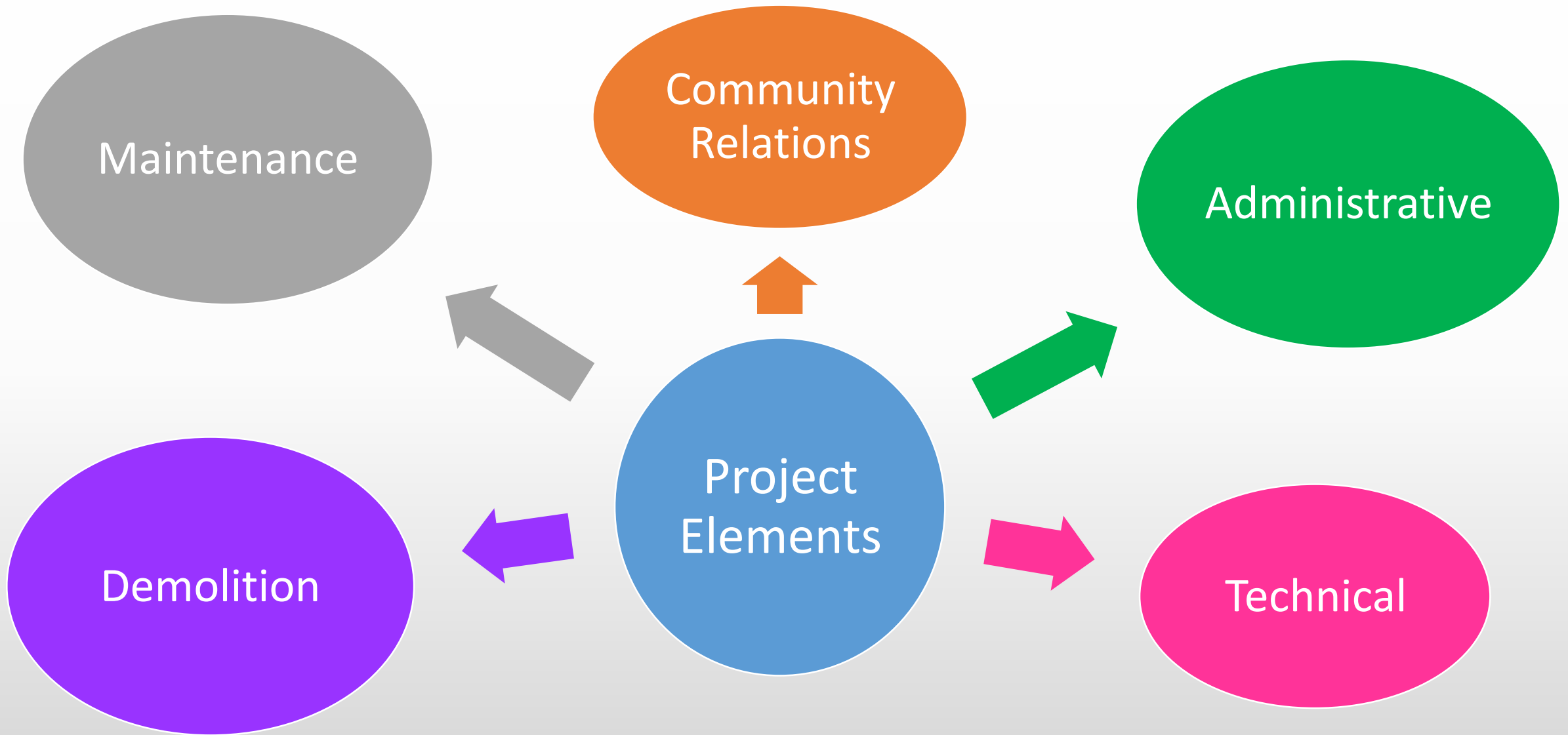
Curtis Specialty Papers Site Milford, New Jersey

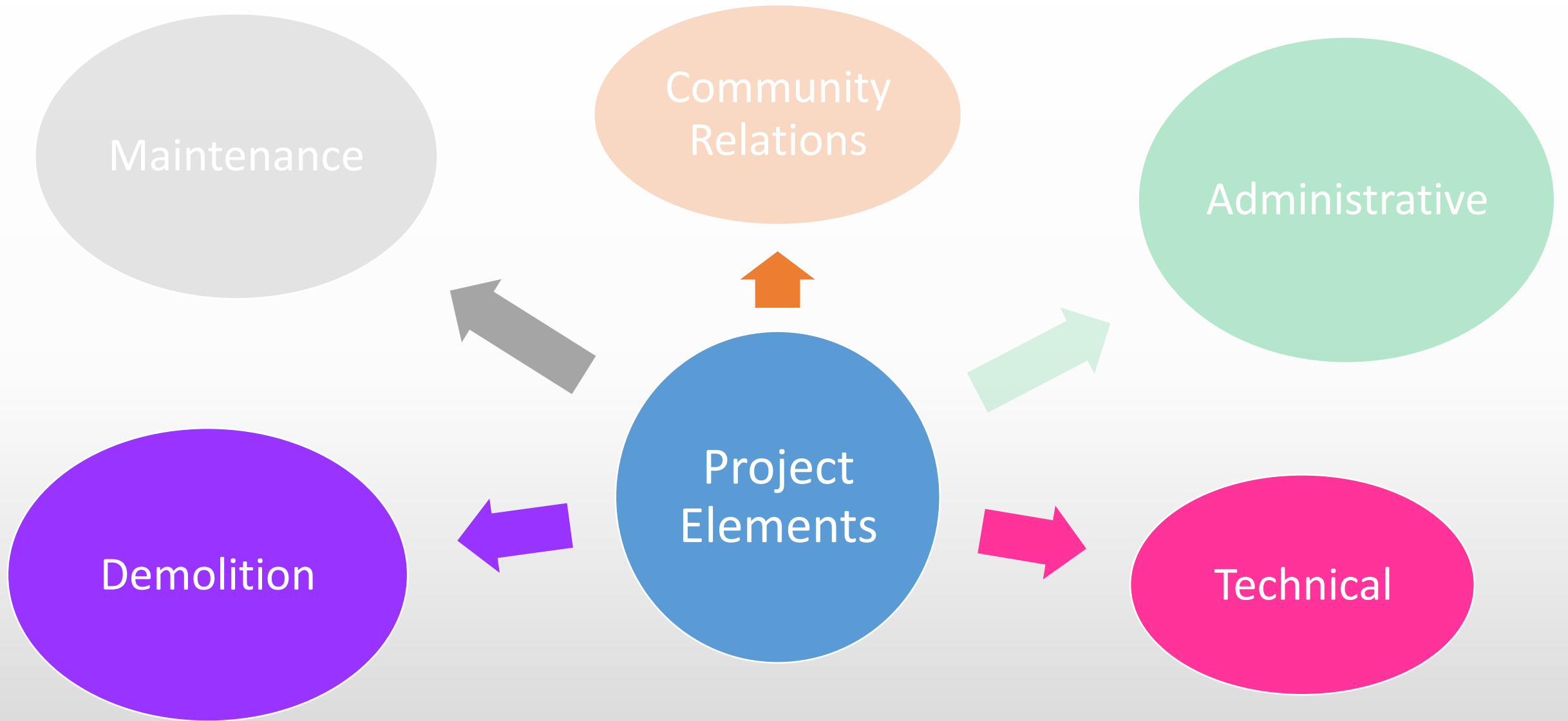


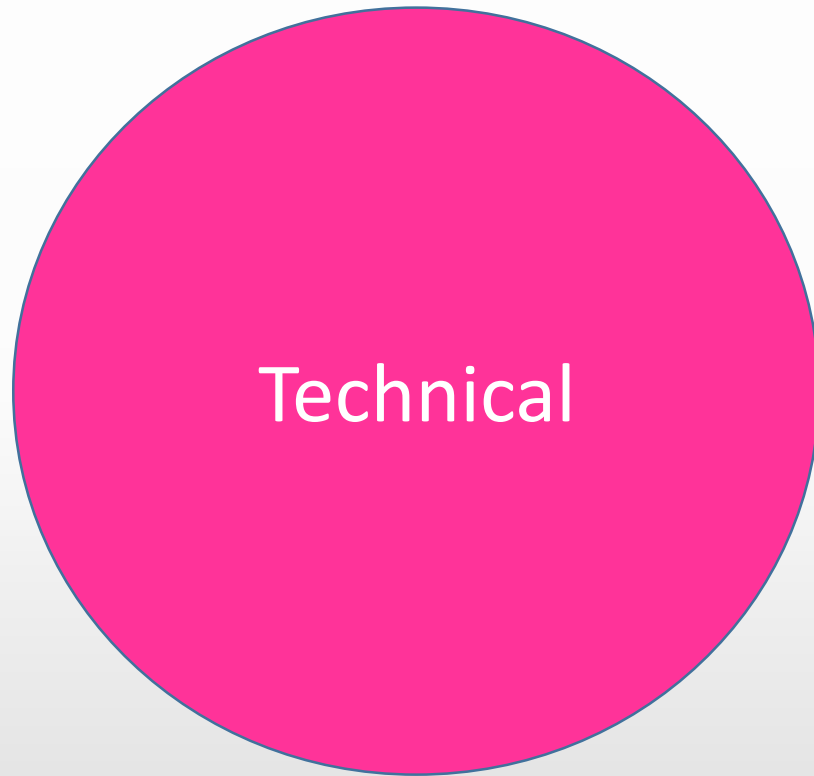
REMEDIATION AND DEMOLITION STATUS UPDATE

Community Advisory Group Meeting

January 27, 2020







Final Remedy
Design/Construction

Supplemental Groundwater /
Surface Water Sampling

REMEDIAL DESIGN / REMEDIAL ACTION WORK PLAN

- **Design Documents**

- 95 Percent Design approved by USEPA 8/15/19 without comment (becomes 100 Percent Design)
- 100 Percent Design acknowledged in 9/4/19 letter from IP/GP to USEPA

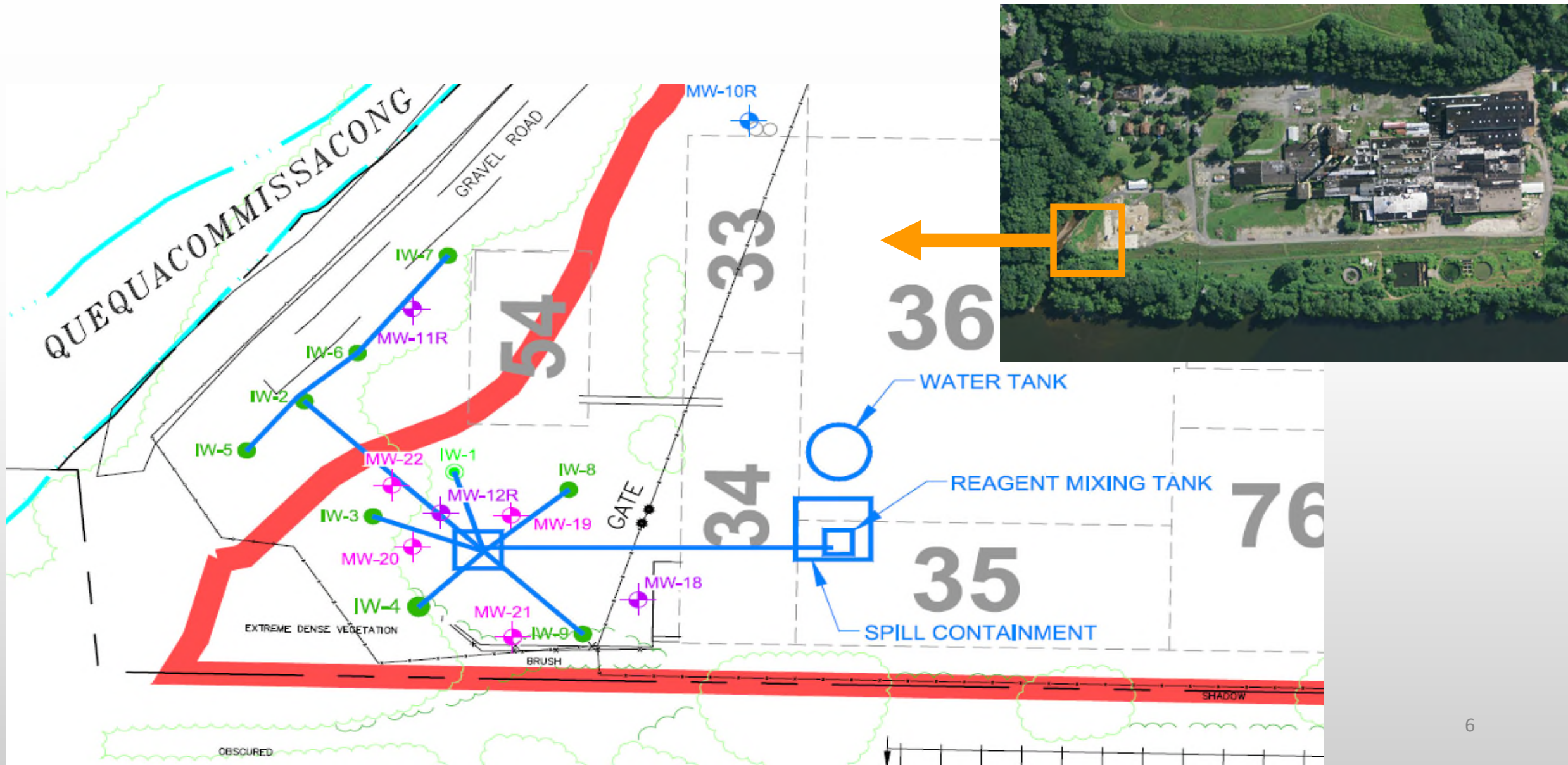
- **Remedial Action Work Plan (RAWP)**

- Submitted to USEPA 11/20/19
- Approved w/comment by USEPA on 12/23/19
- Revised document submitted for file to USEPA on 1/3/20

- **Overview of Approach / Schedule**

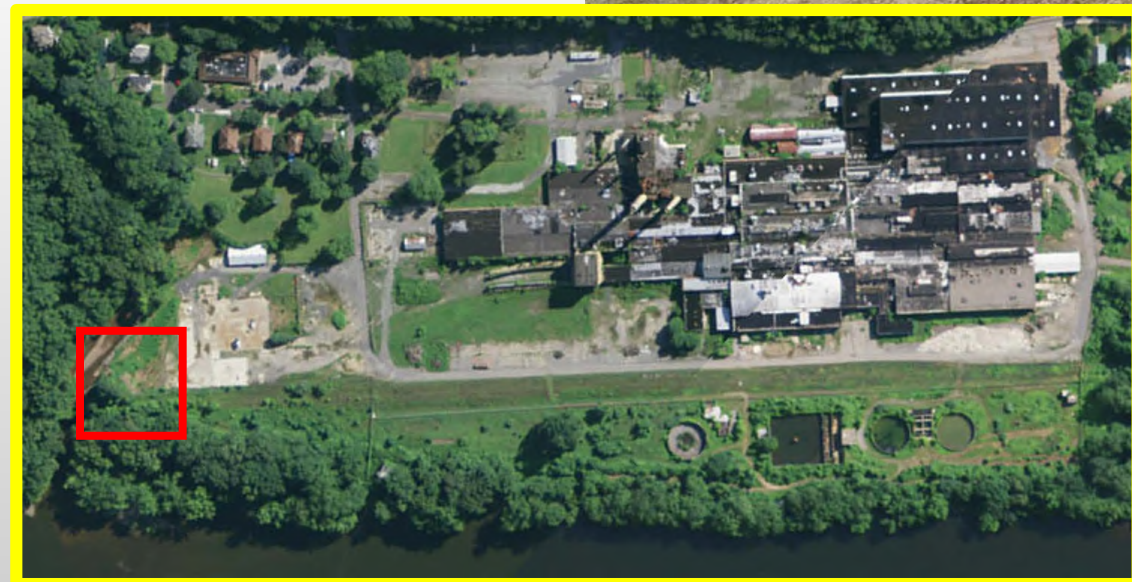
- 9 injection points (1 existing well, 1 existing pilot test well, 7 new wells) – install and develop new points in February 2020
- 10 g/L magnesium sulfate (Epsom salt solution) – injection event around April 2020
- Monitor effects in groundwater, adjust program as necessary – baseline event before injection, then 4 quarterly events starting around May 2020

REMEDIAL DESIGN



- Implement full-scale remedy

● - injection point



GROUNDWATER NEXT STEPS

SCHEDULE – GROUNDWATER REMEDY

Activity/Submittal	2017			2018				2019				2020
	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
Consent Decree Filing												
Document Submittals	RDWP							TSER	30%	95%/100%	RAWP	
Agency Reviews/Comments								TSER	30%	95%/100%	RAWP	
Substantantive Requirements											ABOx	
Substantantive Requirements			RD/TS								ABOx	
Field Work			RD/TS	TS	TS	TS	TS					
Construct Remedy												ABOx

COMPLETE

FUTURE DOCUMENT SUBMITTAL

FUTURE AGENCY APPROVAL

FUTURE FIELD WORK

FUTURE REMEDY CONSTRUCTION

SCHEDULE - GROUNDWATER REMEDY

Activity/Submittal	2020				2021	
	Q1	Q2	Q3	Q4	Q1	Q2
Construct Remedy						
Preliminary Groundwater Monitoring						
Groundwater Injection						
Post Injection Groundwater Monitoring						
Annual Report						
Agency Reviews/Comments						

COMPLETE
FUTURE DOCUMENT SUBMITTAL
FUTURE AGENCY APPROVAL

FUTURE FIELD WORK
FUTURE REMEDY CONSTRUCTION

GROUNDWATER – SUPPLEMENTAL SAMPLING

- USEPA and NJDEP requested sampling for additional compounds
- IP/GP sampled 4 site wells in May 2019 for the additional compounds
- An additional sampling event occurred in November 2019 at 7 monitoring wells and 4 surface water sampling locations (2 on site, 2 off site)
- Summary report to be submitted to USEPA in February 2020
- Additional sampling to occur after Phase I demolition complete

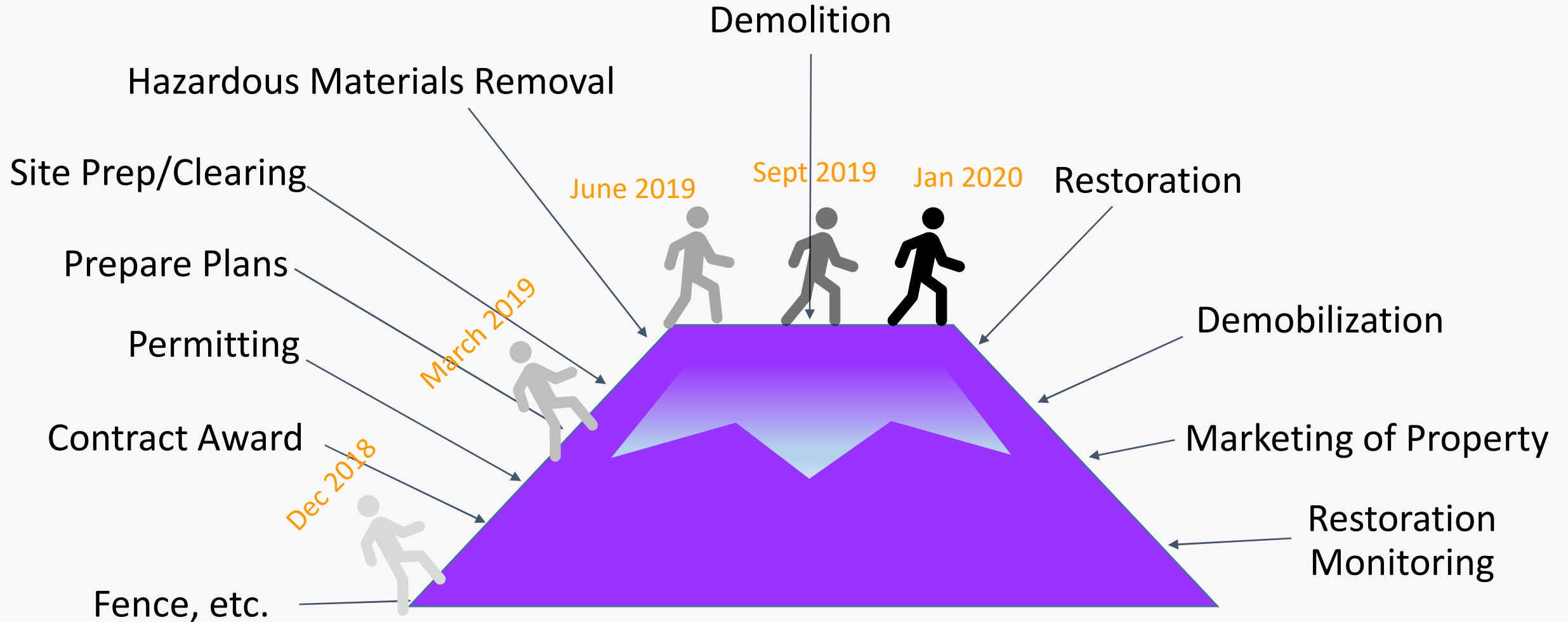


Demolition

Beneficial Use and Reuse

Building Demolition

DEMOLITION PROGRESS

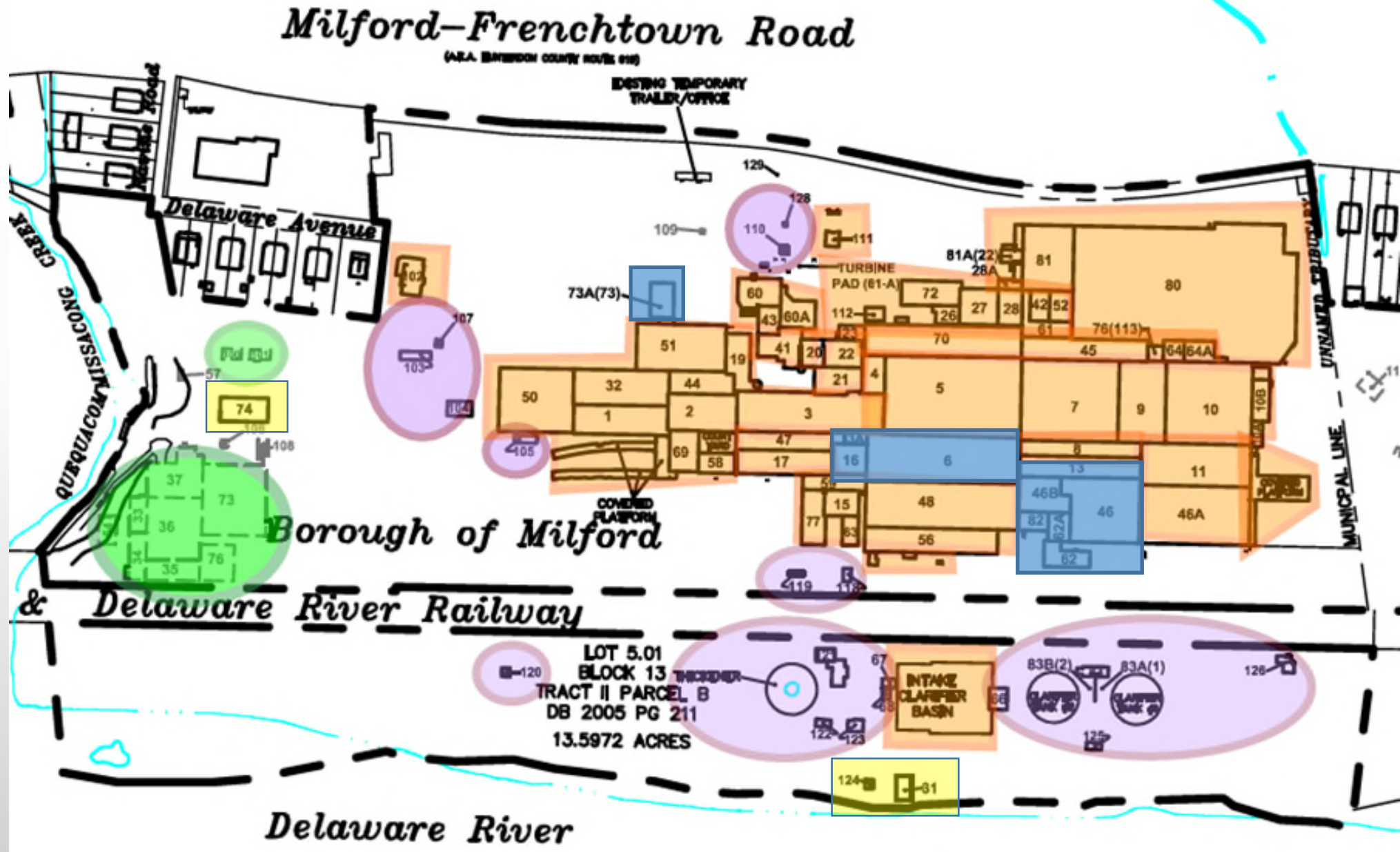


January 27, 2020

DEMOLITION ACTIVITIES COMPLETED SINCE SEPTEMBER

- Two brick stacks felled via implosion
- Asbestos abatement/removal completed in December
- All remaining aboveground structures felled
 - Construction/Demolition debris removed (total about 12,600 tons)
 - Scrap metal recycled (total about 8,700 tons)
 - Targeted re-use material (total about 32,000 tons)
- Removal/Perforation of slabs and basement floors
- Backfilling/Regrading started

DEMOLITION – JANUARY 2020 CAG



DEMOLITION – VIDEOS

- Elevated Metal Stack (August 23, 2019)
 - C:\Users\gwroblewski\Documents\Curtis\CAG\Sept 2019\Elevated Metal Stack\IMG_2287 elevated metal stack 082319.MOV
- Northern Metal Stack (September 7, 2019)
 - C:\Users\gwroblewski\Documents\Curtis\CAG\Sept 2019\Northern Metal Stack\IMG_2349 northern metal stack.MOV
- Building 69 (September 15, 2019)
 - <C:\Users\gwroblewski\Documents\Curtis\CAG\Sept 2019\Bldg 69\Bldg 69.mp4>

DEMOLITION – VIDEOS

- Brick Stack Felling (October 4, 2019)
 - Drone
 - <C:\Users\gwroblewski\Documents\Curtis\CAG\2020 Jan\Drone Brick Stack Felling - cropped.mp4>
 - Live Feed
 - <C:\Users\gwroblewski\Documents\Curtis\CAG\2020 Jan\Curtis Brick Stack Felling in Teams - cropped.mp4>
 - Ground Level outside Exclusion Zone
 - <C:\Users\gwroblewski\Documents\Curtis\CAG\2020 Jan\Brick stack ground level cropped.mp4>
 - CDI (youtube video)
 - <https://www.youtube.com/watch?v=yw3BCj3Dqxs>

DEMOLITION PROGRESS – BRICK STACKS



Wrapping brick stack
w/explosives



Brick stacks being felled



Stack brick on ground after implosion

DEMOLITION - ASBESTOS ABATEMENT



Abatement of piping on roof of Building 6.



Roll-off dumpster storing ACM waste

NO PERIMETER DETECTIONS OF ASBESTOS FIBERS

DEMOLITION PROGRESS – C&D DEBRIS



Building 6
Demolition



Building 16
Demolition



Building 5 Basement Cleanout

DEMOLITION - SCRAP METAL



Rebar
removed from
concrete for
recycling

Loading scrap
metal into haul
truck



Loading truck with scrap steel

DEMOLITION PROGRESS – REUSE MATERIAL



Example
crushed
brick

Crushing brick
with backhoe
attachment



Crushing re-use
material with
crusher



Example
crushed
concrete

DEMOLITION PROGRESS – SLABS / BASEMENTS



perforated
slab



Perforating
slabs in
Group B



Removing Building 1/50 slab

DEMOLITION PROGRESS - BACKFILL



Backfilling consolidation area

Backfilled area near Bldg 60



DEMOLITION PROGRESS



View from southwest to northeast

DEMOLITION – AIR MONITORING



Mobile Perimeter Air Monitoring Station

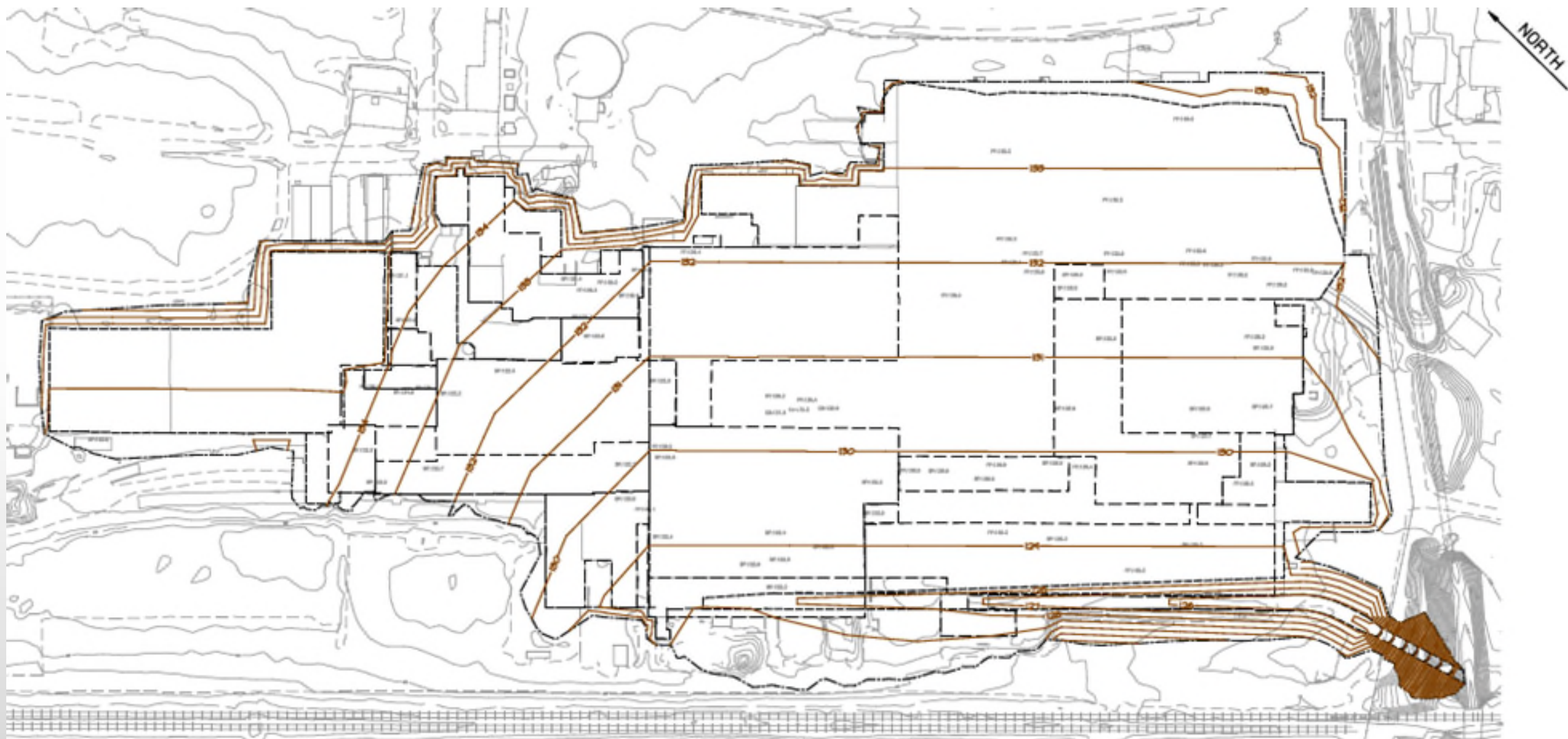


Perimeter Air Monitoring Locations

SCHEDULE

Activity/Submittal	2019									2020		
	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar
Abatement of Buildings												
Demolition of Group A (WWTP) Bldgs												
Demolition of Manager's House (Bldg 102)												
Demolition of Group B (Main Mill N, w/o basements)												
Demolition of Group C (Main Mill S, w/o basements)												
Demolition of Group D (Power House)												
Demolition of Group E (Main Mill, w/basements)												
Demolition of metal stacks												
Demolition of brick stacks												
Demolition of building slabs, crushing of reuse material, and backfilling												
Swale/Stormwater/Riparian Mitigation/Restoration												

COMPLETED
PERCENT COMPLETE
FUTURE WORK



MMA Grading Plan



QUESTIONS