

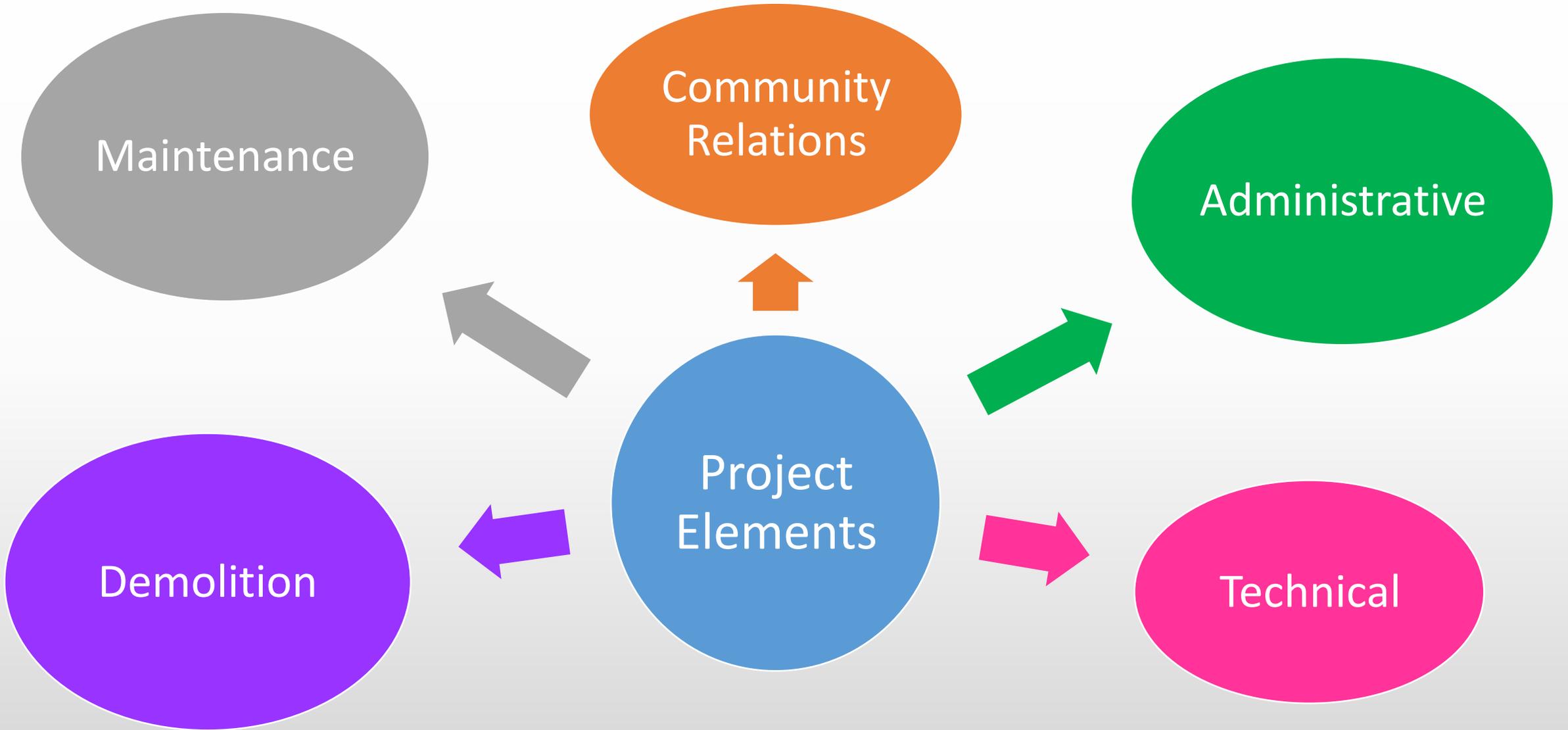
Curtis Specialty Papers Site Milford, New Jersey

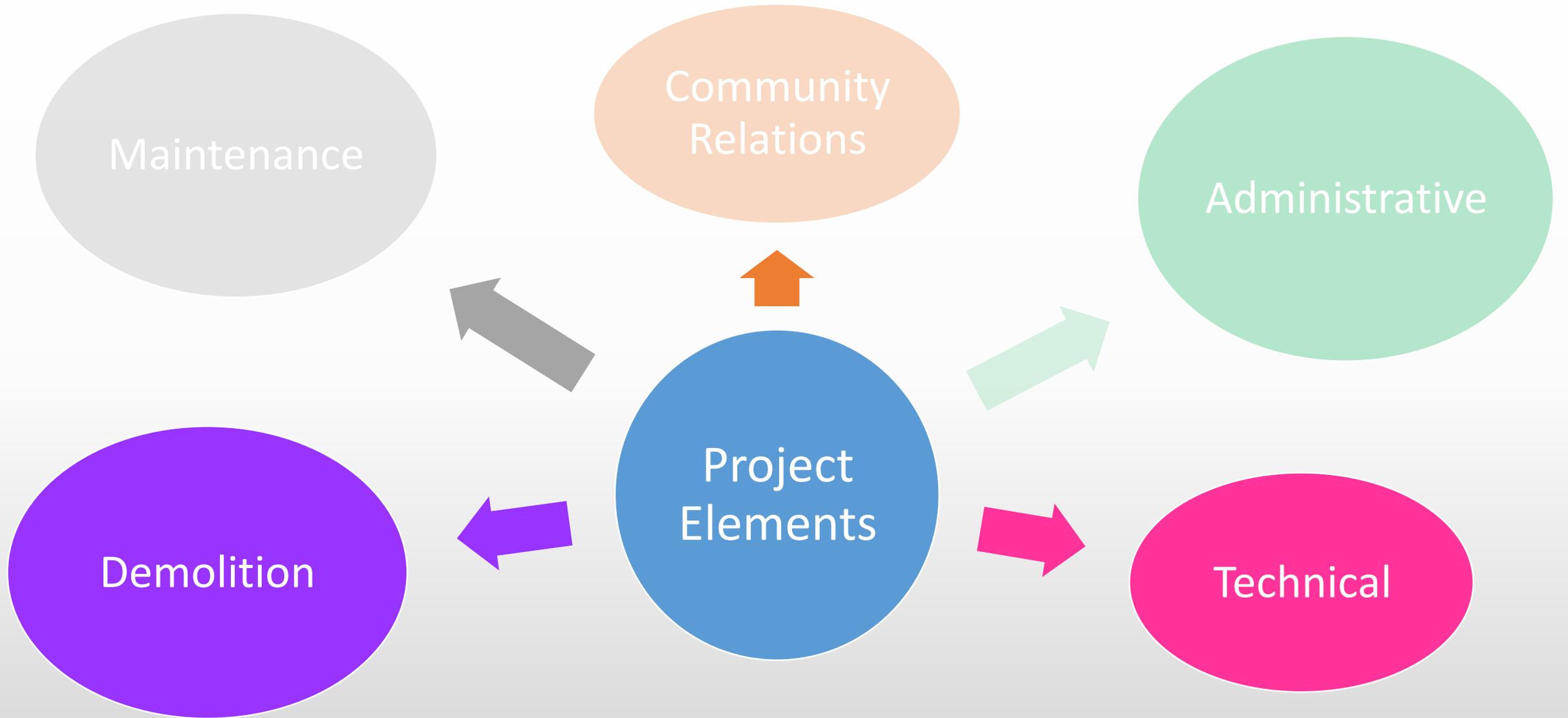


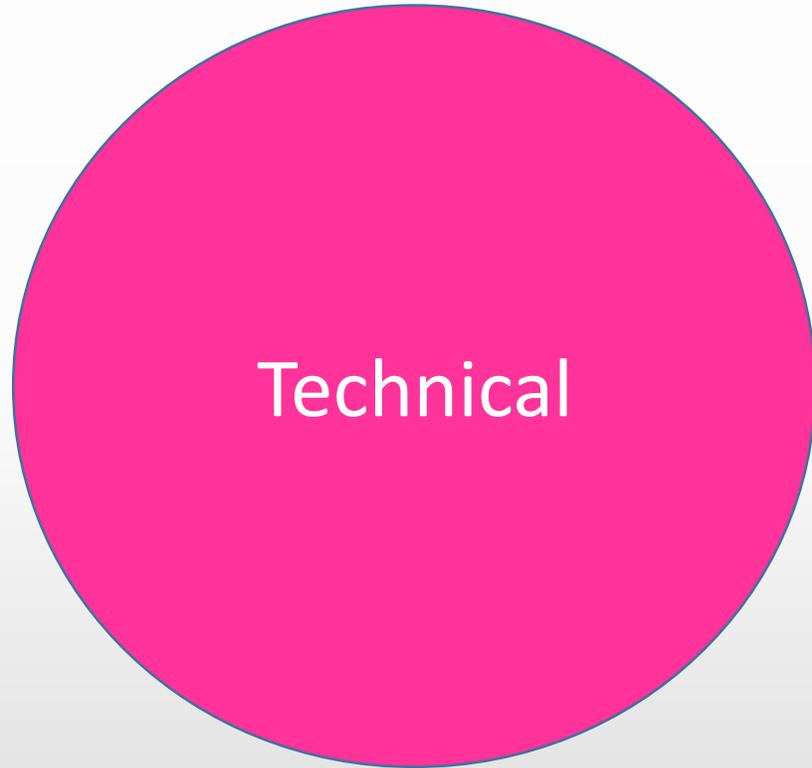
REMEDIATION AND DEMOLITION STATUS UPDATE

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

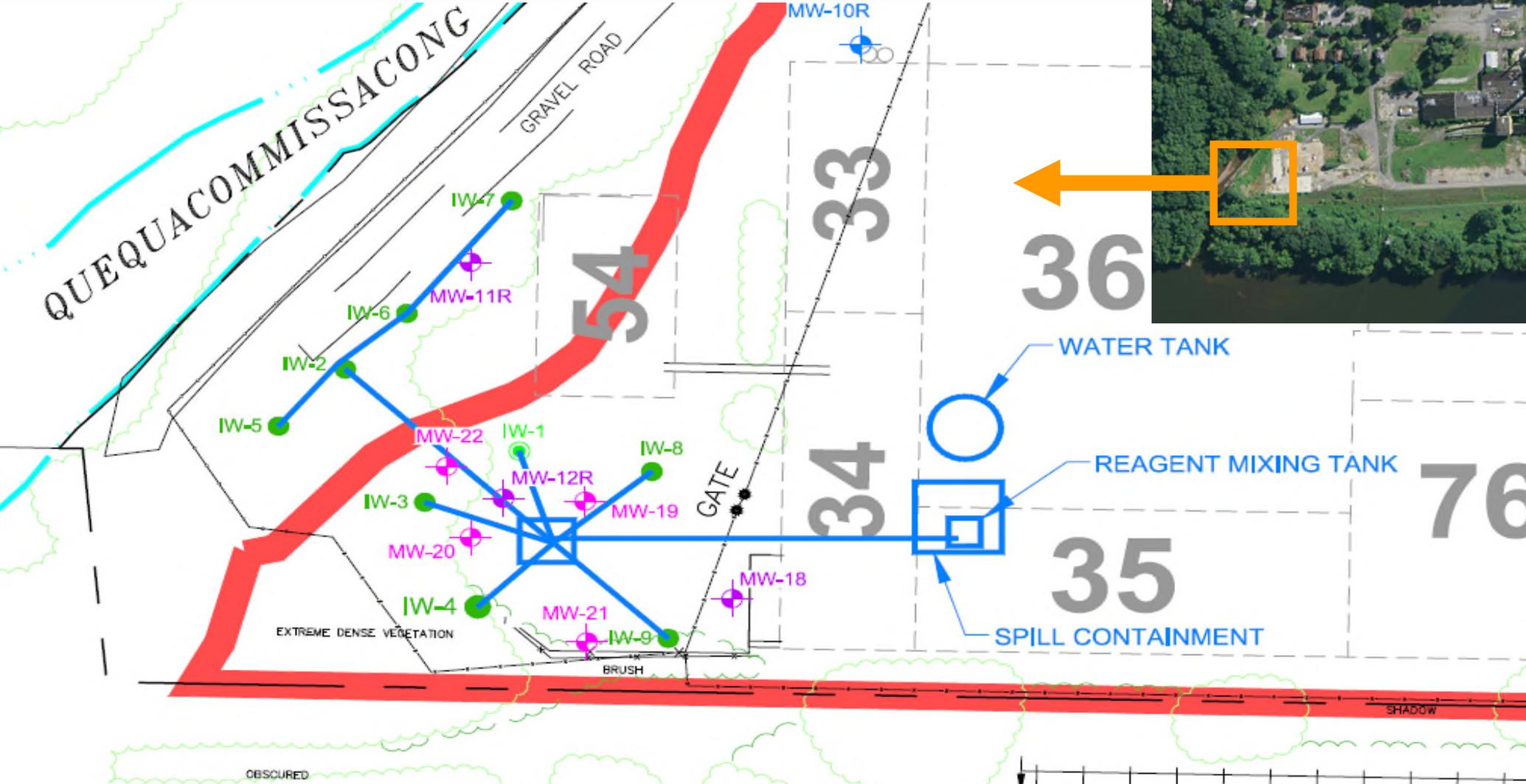
- **Remedial Action Work Plan (RAWP)**

- 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	COMPLETE											
Document Submittals	RDWP							TSER	30%	95%/100%	RAWP	
Agency Reviews/Comments		COMPLETE						TSER	30%	95%/100%	RAWP	
Substantantive Requirements		COMPLETE									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	COMPLETE					
Preliminary Groundwater Monitoring	FUTURE FIELD WORK					
Groundwater Injection		FUTURE FIELD WORK				
Post Injection Groundwater Monitoring		FUTURE FIELD WORK	FUTURE FIELD WORK	FUTURE FIELD WORK	FUTURE FIELD WORK	
Annual Report					FUTURE DOCUMENT SUBMITTAL	
Agency Reviews/Comments						FUTURE AGENCY APPROVAL

COMPLETE

FUTURE DOCUMENT SUBMITTAL

FUTURE AGENCY APPROVAL

FUTURE FIELD WORK

FUTURE REMEDY CONSTRUCTION

GROUNDWATER – SUPPLEMENTAL SAMPLING

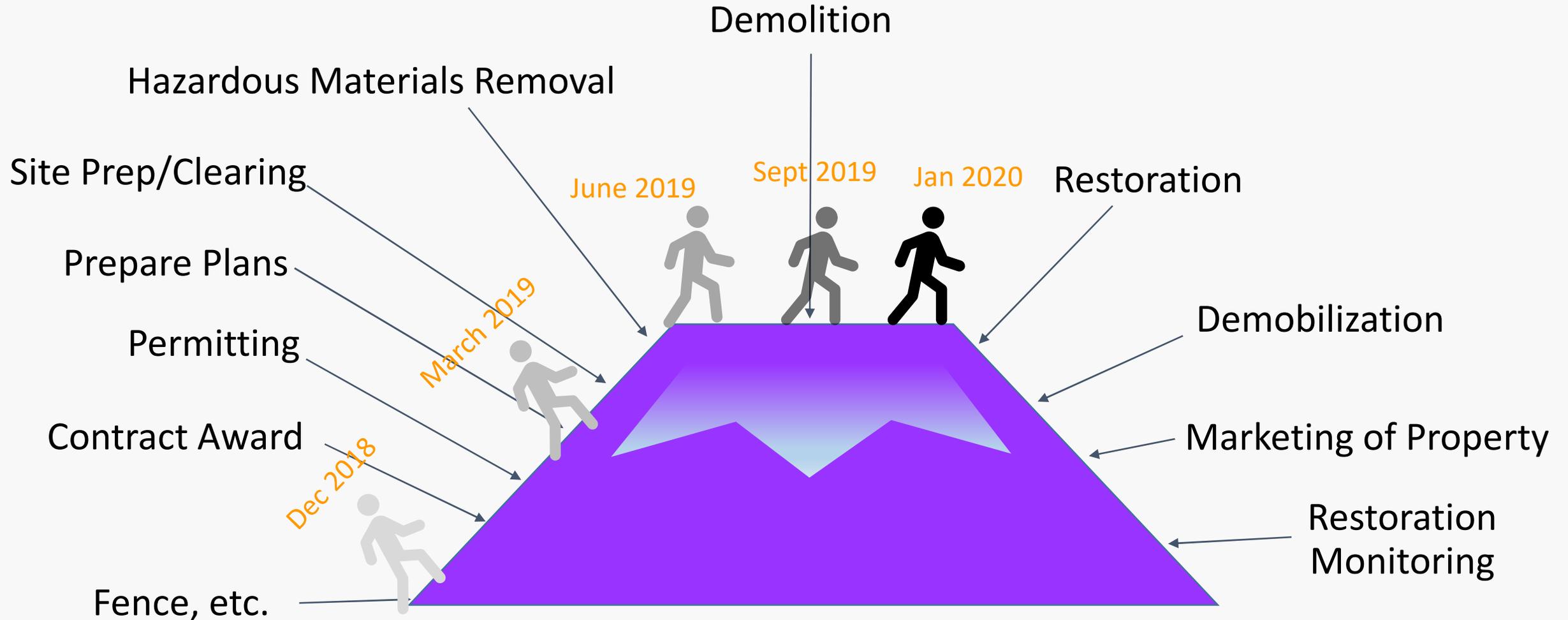
- USEPA and NJDEP requested sampling for additional compounds
- IP/GP sampled 4 site wells in May 2019 for the additional compounds
- An additional sampling event occurred in November 2019 at 7 monitoring wells and 4 surface water sampling locations (2 on site, 2 off site)
- Summary report to be submitted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



Beneficial Use and Reuse

Building Demolition

DEMOLITION PROGRESS

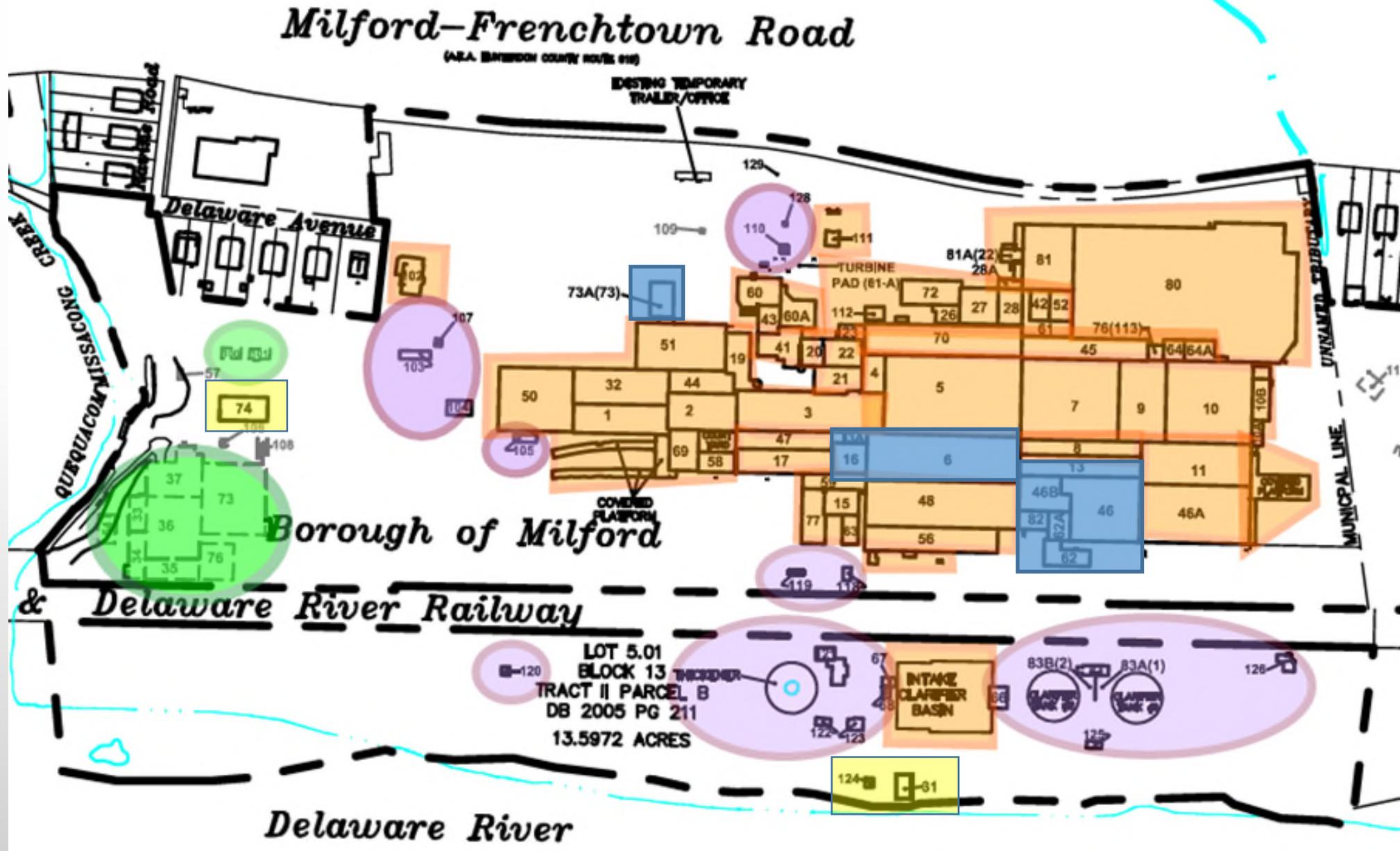


January 27, 2020

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](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](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 truck with scrap steel

Loading scrap metal into haul truck



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

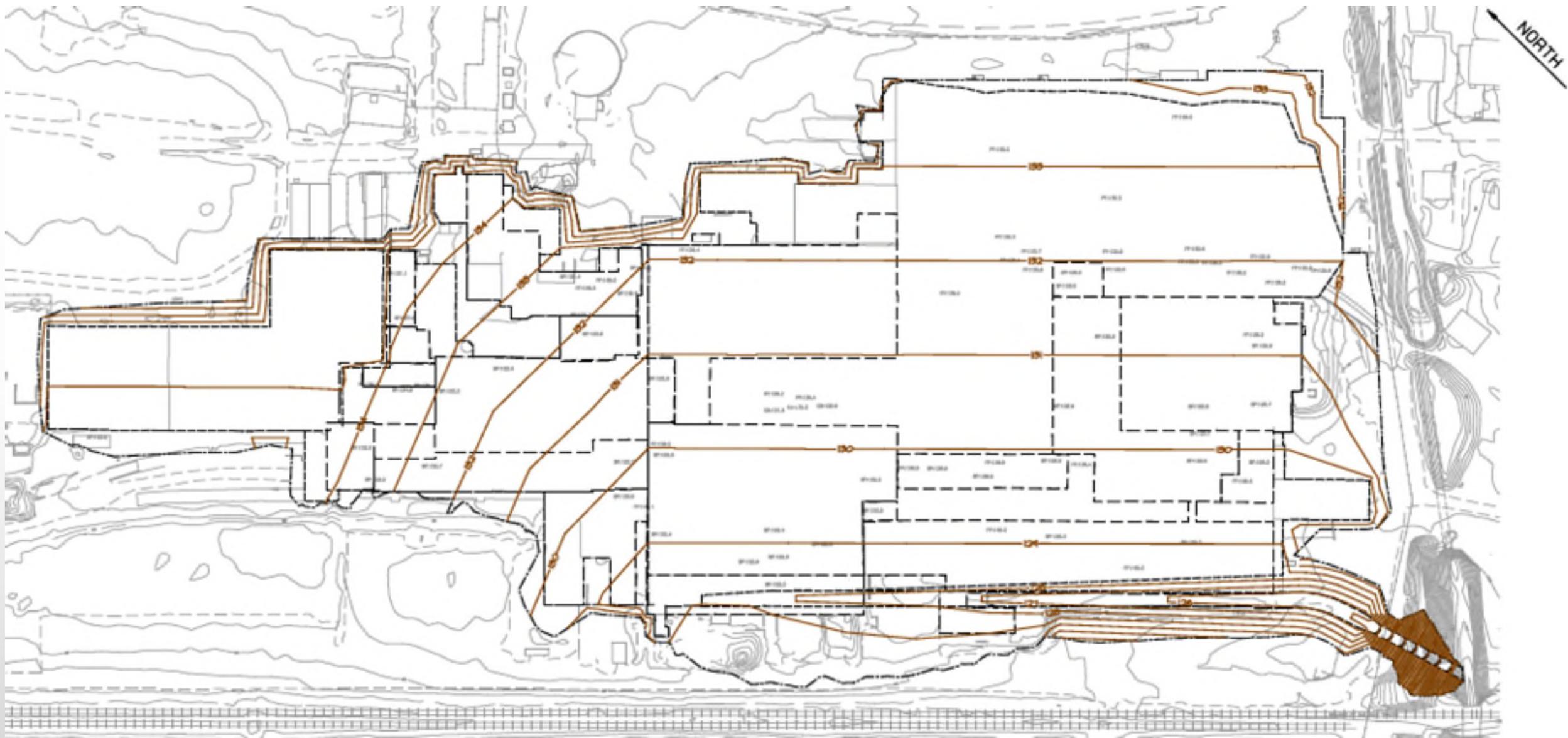


Perimeter Air Monitoring Locations

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												





MMA Grading Plan



QUESTIONS