



Ringwood Mines/Landfill Superfund Site

Virtual Public Information Session Operable Unit Two Remedial Action

**Thursday, October 14, 2021
7:00 PM to 9:00 PM**



Agenda

Introductions.....Pat Seppi

Presentation.....Joe Gowers

Questions and Comments.....EPA Team

Closing Comments.....Pat Seppi



Who's Who at EPA

Joe Gowers

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Shereen Kandil

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01:10

Test Public Meeting

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Microphone icon

Leave

Chat Feature

Shereen Kandil

OVER MATTER: Voice Talent and...

Waiting for others to join...

...

Device settings

Meeting options

Meeting notes

Meeting details

Gallery

Large gallery (Preview)

Together mode (Preview)

Focus

Full screen

Call me

Apply background effects

Turn on live captions

Microphone

Live Captioning

Windows taskbar icons

System tray icons

2:25 PM 12/18/2020



Chat
Feature



Waiting for others to join...



- Device settings
- Meeting options
- Meeting notes
- Meeting details
- Gallery
- Large gallery (Preview)
- Together mode (Preview)
- Focus
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- Apply background effects
- Turn on live captions



Microphone

Live
Captioning



Questions and Comments



Please keep your lines muted



Chat box —————> Phone lines

- To unmute phone use (*6)
- To unmute computer mic please follow the Teams control shown on previous slide



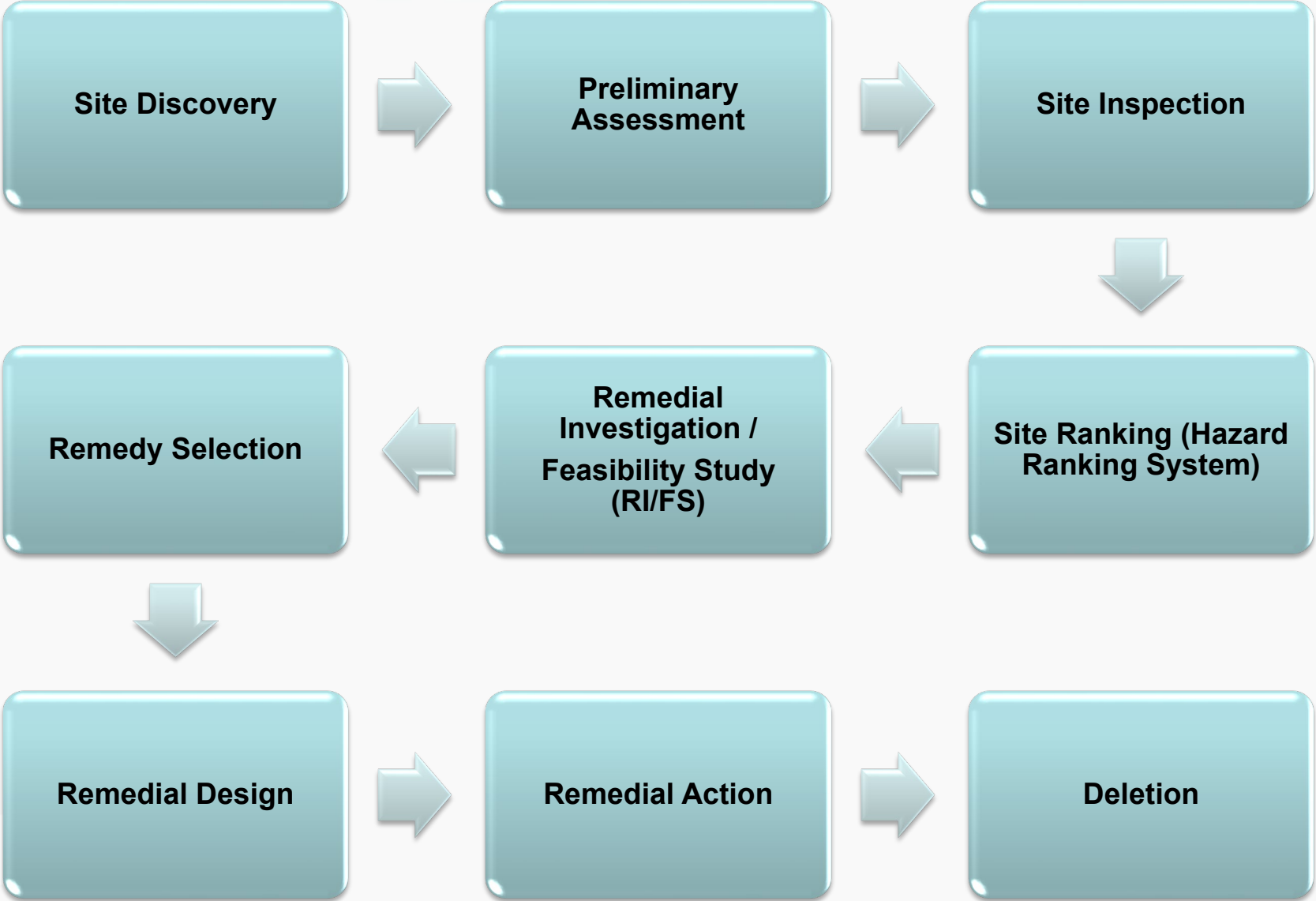
Categorically (elected officials, residents, businesses, general public) and in alphabetical order (A-G, H-N, O-T, U-Z). *For example: residents with last names A-G*



Before your question/comments, please state your name and affiliation followed by your question or comment. *For example: "Jane Doe, resident: Where is the Riverside site located?"*



OVERVIEW OF THE SUPERFUND PROCESS

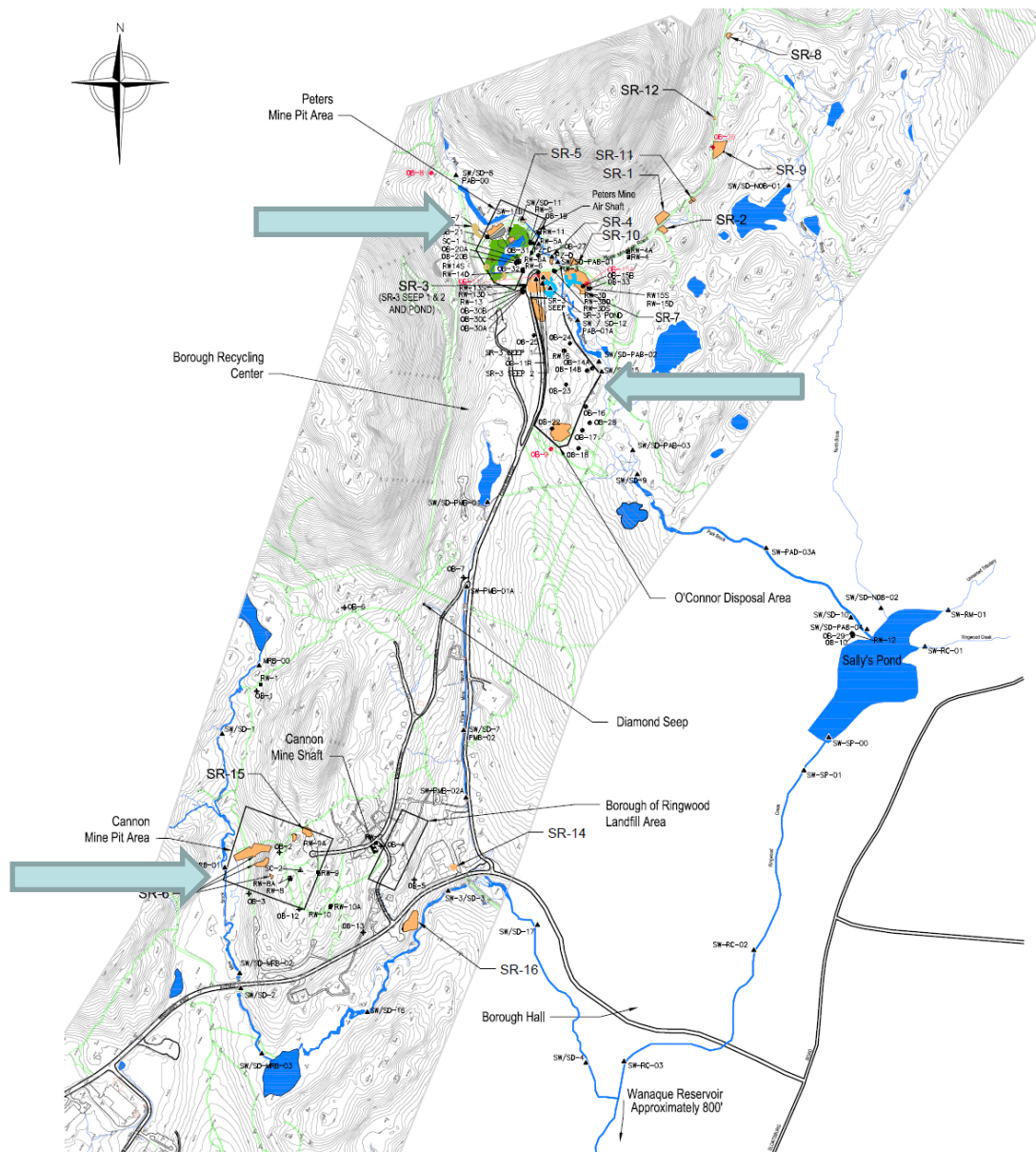




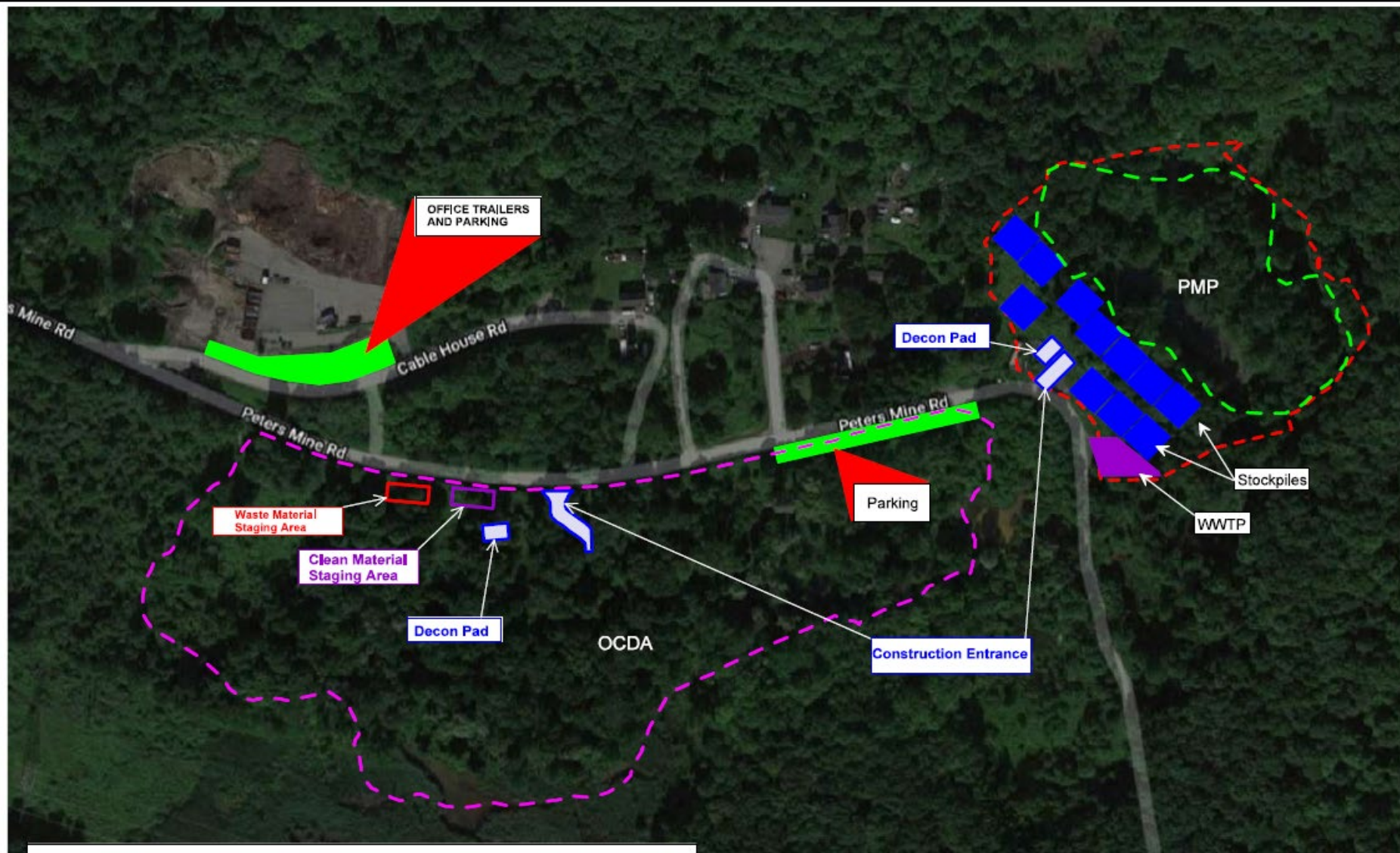
Operable Unit Two (OU2)

Peters Mine, Cannon Mine, & O'Connor Disposal Areas

- **June 2014:** OU2 Record of Decision (ROD)
- **April 2015:** Explanation of Significant Differences (ESD) for the O'Connor Disposal Area
- **October 2018:** OU2 Remedial Design approved
- **August 2020:** Judicial Consent Decree, OU2 remedy by the Ford Motor Company and the Borough of Ringwood
- **September 2021:** OU2 Remedial Action Work Plan approved



- ◆ BEDROCK WELL
- DEEP BEDROCK WELL
- ▲ DIRECTIONAL WELL
- UNCONSOLIDATED WELL
- MONITORING WELL DAMAGED OR NOT AVAILABLE FOR SAMPLING
- ▲ SURFACE WATER AND SEDIMENT - SAMPLE LOCATION
- APPROXIMATE LIMITS OF REMOVAL AREAS - SOIL, PAINT, SLUDGE, AND DRUM REMNANTS
- APPROXIMATE LIMITS OF SURFICIAL SOIL SCRAPING
- HISTORICAL FILL AREA SURROUNDING PETERS MINE PIT (AREA 1)
- WATER BODY



Notes:

Not To Scale - Site features are approximate
Final Site Layout will be field determined by RECON Site Management

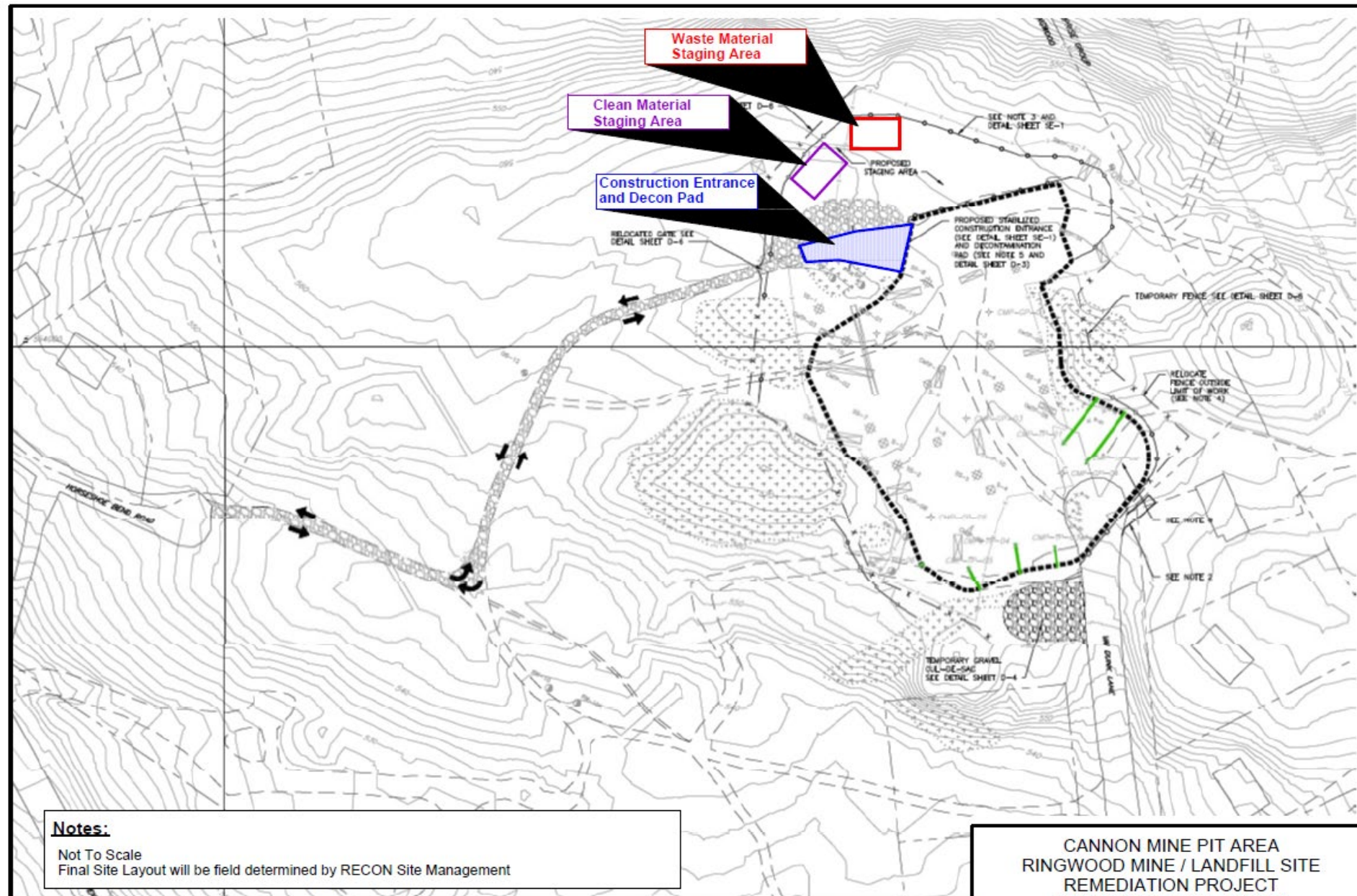
PMP & OCDA
RINGWOOD MINE / LANDFILL SITE
REMEDIATION PROJECT
RINGWOOD, NEW JERSEY

SITE LAYOUT PLAN

Figure: 6-2

Date: 04/29/21







OU2: Peters Mine Pit Area Remedy

- Excavating soil and fill material
- Removing drums of waste or paint sludge, if encountered
- Placing and compacting non-hazardous fill, as needed
- Installing a geotextile fabric over the fill materials, followed by placing clean fill and topsoil on top of the fabric
- Revegetating with trees and other vegetation indigenous to the Ringwood area
- Long-term monitoring and maintaining capped area
- Monitoring groundwater quality



OU2: Cannon Mine Pit Area Remedy

- Consolidating shallow fill materials
- Placing and compacting clean fill material, followed by installing permeable engineered soil cap
- Revegetating the surface of the soil cap
- Implementing engineering controls
 - Installing fencing to restrict access to the capped area
- Long-term monitoring and maintaining capped area
- Monitoring groundwater quality



OU2: O'Connor Disposal Area (OCDA) Remedy

- Consolidating fill to the center of the OCDA
- Installing engineered permeable soil cap, including a geotextile fabric over the consolidated fill materials
- Placing clean fill in excavated areas beyond the engineered cap where soil/fill was moved
- Revegetating the soil cap and the surrounding fill areas
- Implementing engineering controls
 - Installing fencing to restrict access to the capped area;
- Long-term monitoring and maintaining the capped area
- Monitoring groundwater quality



OU2 Construction Schedule

- **Mobilization:** Early November 2021
- **Clearing of trees and vegetation:** November and December 2021
- **Cannon Mine Pit Area:** November 2021 thru February 2022
- **Peters Mine Pit Area:** February 2022 thru July 2022
- **O'Connor Disposal Area:** January 2022 thru July 2022
- **New Ringwood Recycling Center:** June 2022 thru October 2022
- **Remove Old Recycling Center:** September and October 2022



Truck Traffic

- Truck traffic only permitted from 8:00 am through 5:00 pm
- Truck traffic restricted during periods of Upper Ringwood school bus activity
- 15 miles per hour speed limit
- A flag person will be used to manage truck traffic from Peters Mine Road and Petzold Avenue onto Margaret King Avenue
- Trucks entering and leaving the site will be covered
- Trucks will be decontaminated prior to leaving work areas



LEGEND

 = Proposed Route into and out of AC

NOTE: Not To Scale

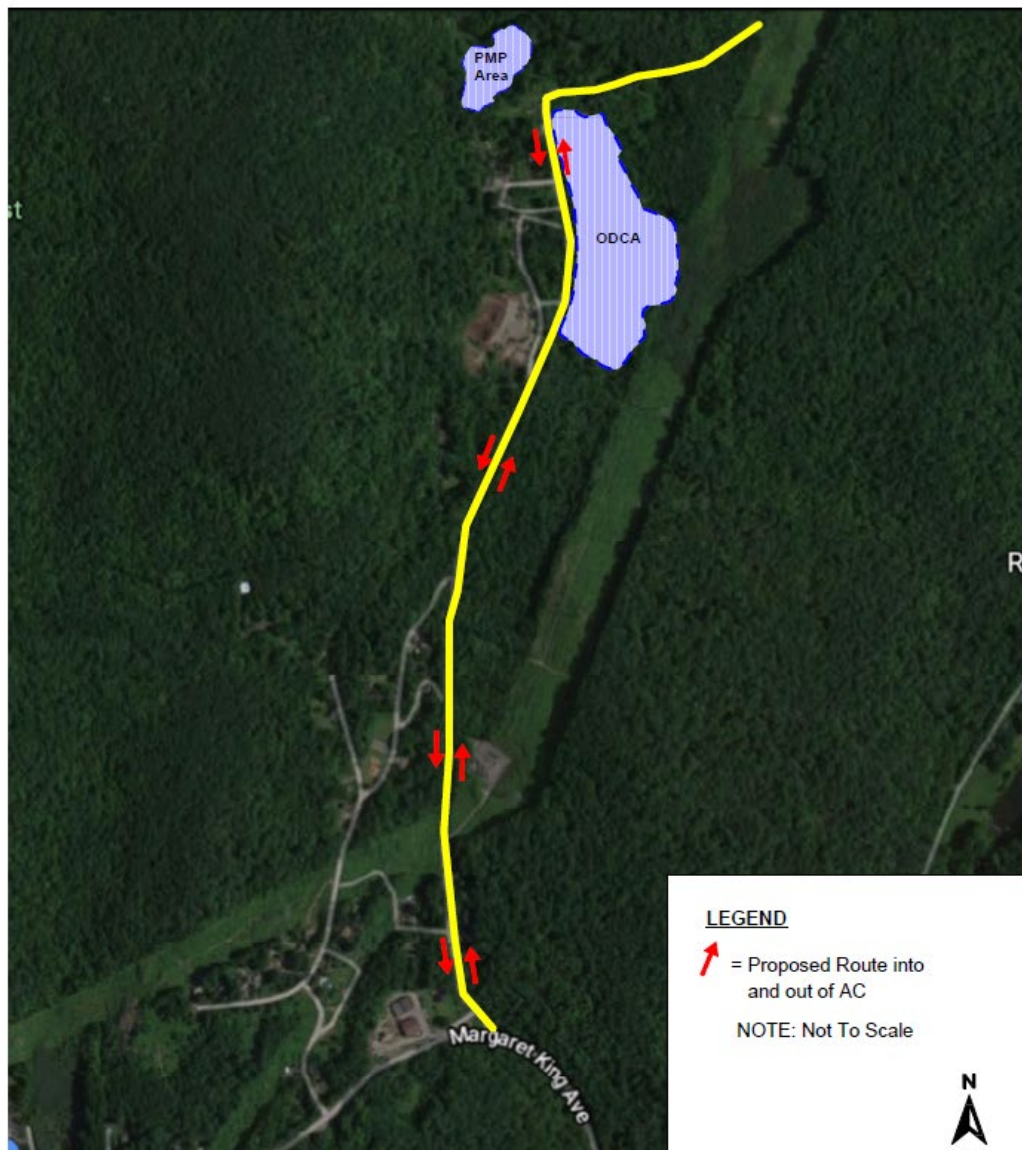


RINGWOOD MINE / LANDFILL SITE
REMEDIAL PROJECT
RINGWOOD, NEW JERSEY

Proposed Truck Access Route
CMP Area

Figure: 3-1

Date: 11/18/20





Vibration Monitoring

- Vibrations will be monitored during construction work due to the use of heavy equipment (bull dozers, excavators, dump trucks)
- Pre-construction inspections need to be conducted to help develop vibration criteria and location of vibration monitoring stations
- Vibrations monitors to be placed between work area and sensitive receptors (residential structure)
- RECON Project Manager receives automated warning of vibration level exceedance and can stop work
- Settlement monitoring conducted in areas of historic subsidence



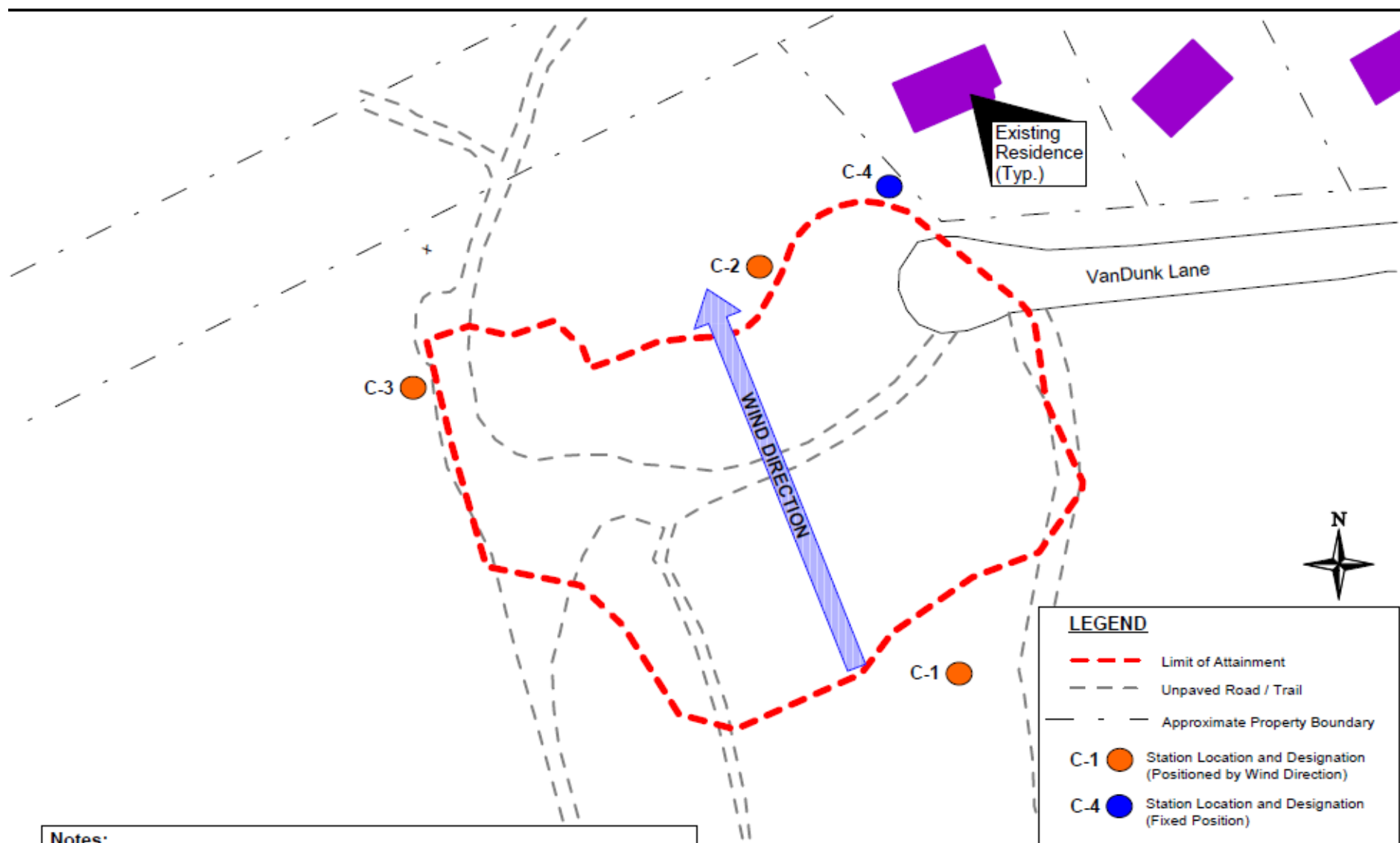
Air Monitoring

- Air monitoring will be conducted in the work zone using handheld real time monitors
- Air monitoring will also be conducted continuously at the perimeter of the work zones
- Perimeter air monitoring stations will be located at upwind and downwind locations in each work zone.
- An air monitoring station will be located between the work zone and the nearest residence
- Dust and particulate levels as well as total volatile organic compound (TVOC) levels will be monitored



Air Monitoring (continued)

- The location of perimeter air monitoring stations may be changed if wind direction changes
- Water misting will be used to control dust and particulate emissions
- Odor suppressing foams will be available to cover soil if elevated TVOC levels are detected
- Field personnel will receive automated notifications of action level exceedances



Notes:

Not To Scale
 Air monitoring stations C-1 through C-3 will be placed based on actual sustained wind direction and adjusted throughout the day if sustained wind direction changes.
 The location of the air monitoring station shown as C-4 is approximate.

CANNON MINE PIT (CMP) AREA
 RINGWOOD MINE / LANDFILL SITE
 OU2 REMEDIATION PROJECT
 RINGWOOD, NEW JERSEY

EXAMPLE AIR MONITORING
 STATION LOCATION PLAN

Date: 05/17/21



Communications

- A weekly report will be distributed to Upper Ringwood residents and e-mail list
 - Cleanup activities performed during the week
 - Anticipated cleanup activities over the next two weeks
- Weekly reports will be available at:
www.epa.gov/superfund/ringwood-mines
- Contacts will be identified in the weekly reports



QUESTIONS AND ANSWERS



Questions and Comments



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THANK YOU FOR JOINING US!