

MURPHY'S LAW - PCB SPILL CASE STUDY

UTILTIY SOLID WASTE ACTIVITIES GROUP
ADVANCED PCB WORKSHOP

APRIL 9-11, 2024

Atlanta, GA

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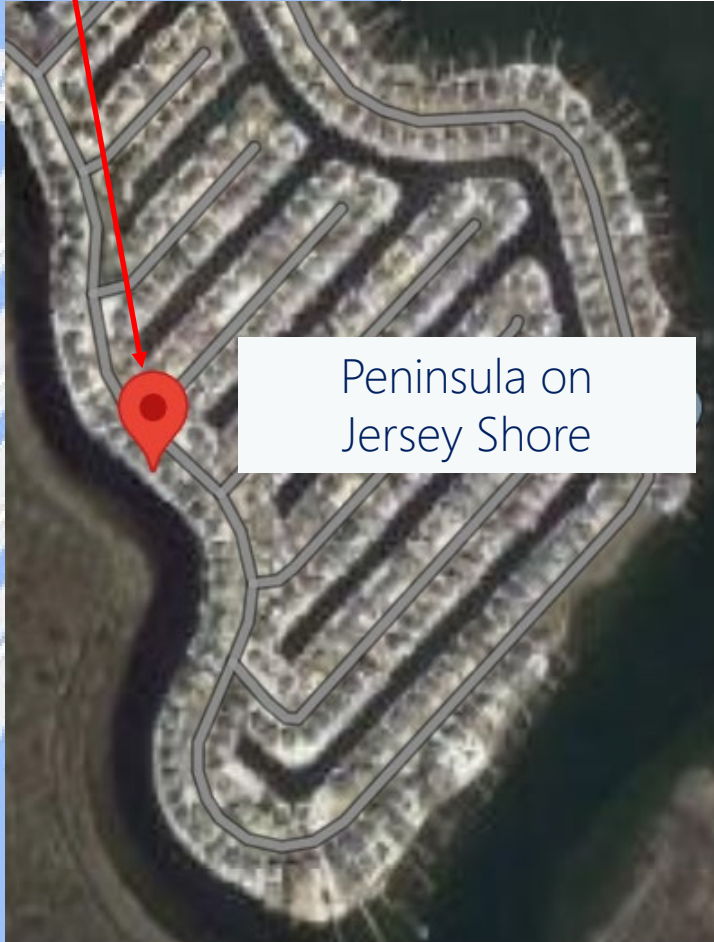
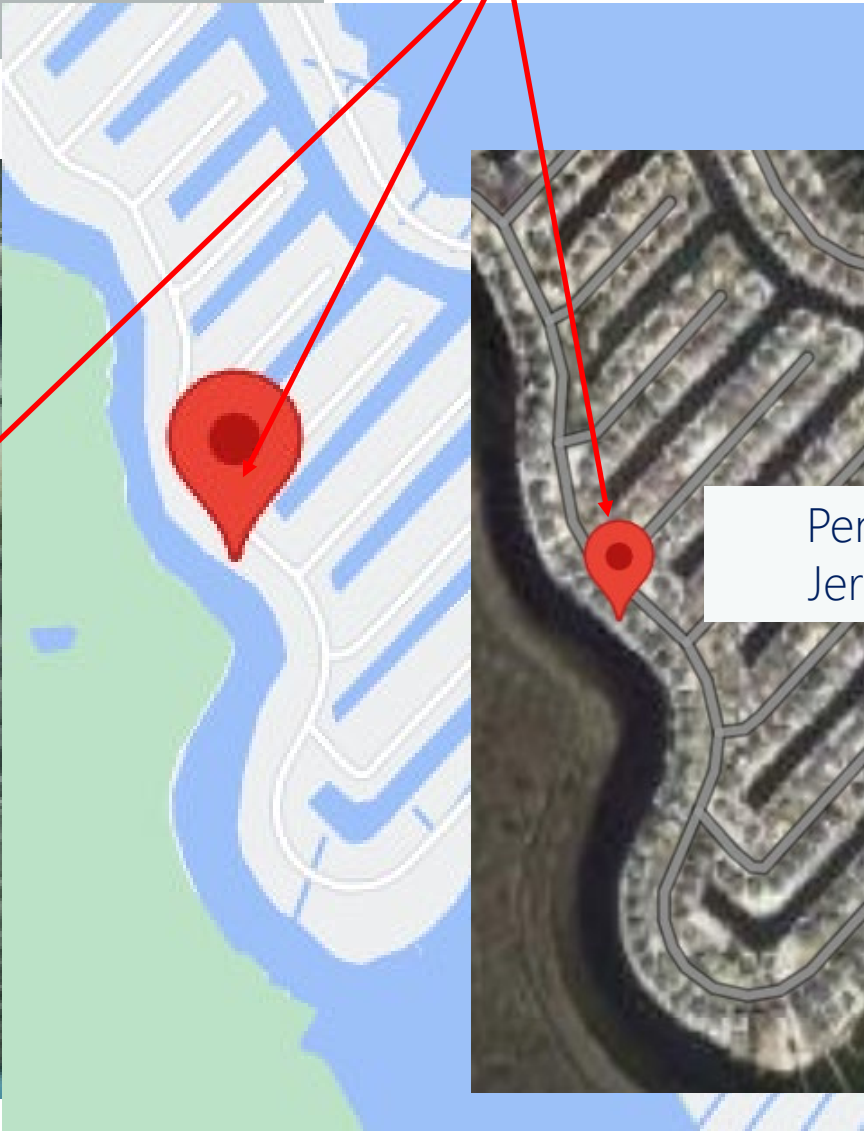
This presentation is designed to provide practical and useful information. However, it is not designed to provide legal, engineering or other professional services. If legal, engineering or other expert assistance is required, the services of a competent professional should be sought.

The opinions presented in this presentation are my personal views, and not those of my employer, New Jersey Natural Gas Company.



Site

Wetlands



JERSEY SHORE VACATION DESTINATION – FORMER STORM SANDY AREA

- Creek & marsh to the left of site
- Bay to the right of site
- Residential area
- 15 minutes from main road (25 mph)

VIDEO OF PIPELINE CONDENSATE SPILL – 9/12/22



TYPICAL SMALL-SIZED "DRIP POT"/ PIPELINE APPURTENANCE



Connection to main

Riser



PARTIES INVOLVED

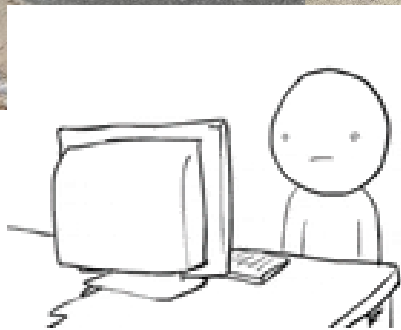
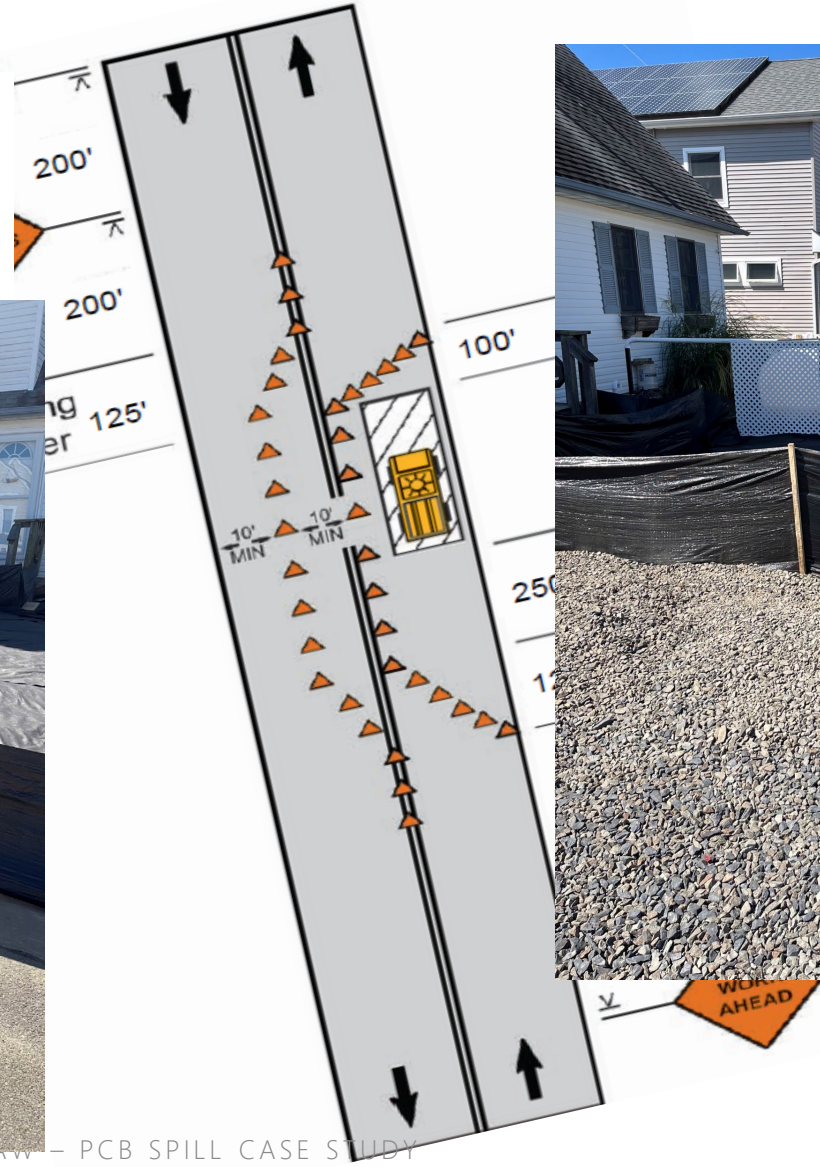
- NJNG – Env. Services, Legal, Engineering, Energy Delivery, Government Affairs
- Third-party licensed plumbers
- Pipeline contractor
- Mark out contractor
- Emergency response/remediation contractor
- LSRP consulting firm
- Laboratory
- Well driller
- Local police
- Traffic control company
- Township Engineer
- Ultimate disposal facility
- Rail services
- Paving & line striping company
- NJDEP



INITIAL SEWER LINE WORK



LOGISTICAL & OTHER ADMINISTRATIVE CONCERNS



DIFFICULT SAMPLING MEDIA



MURPHY'S LAW - PCB SPILL CASE STUDY

AGED, DECORATIVE PAVERS & SENTIMENTAL GARDEN

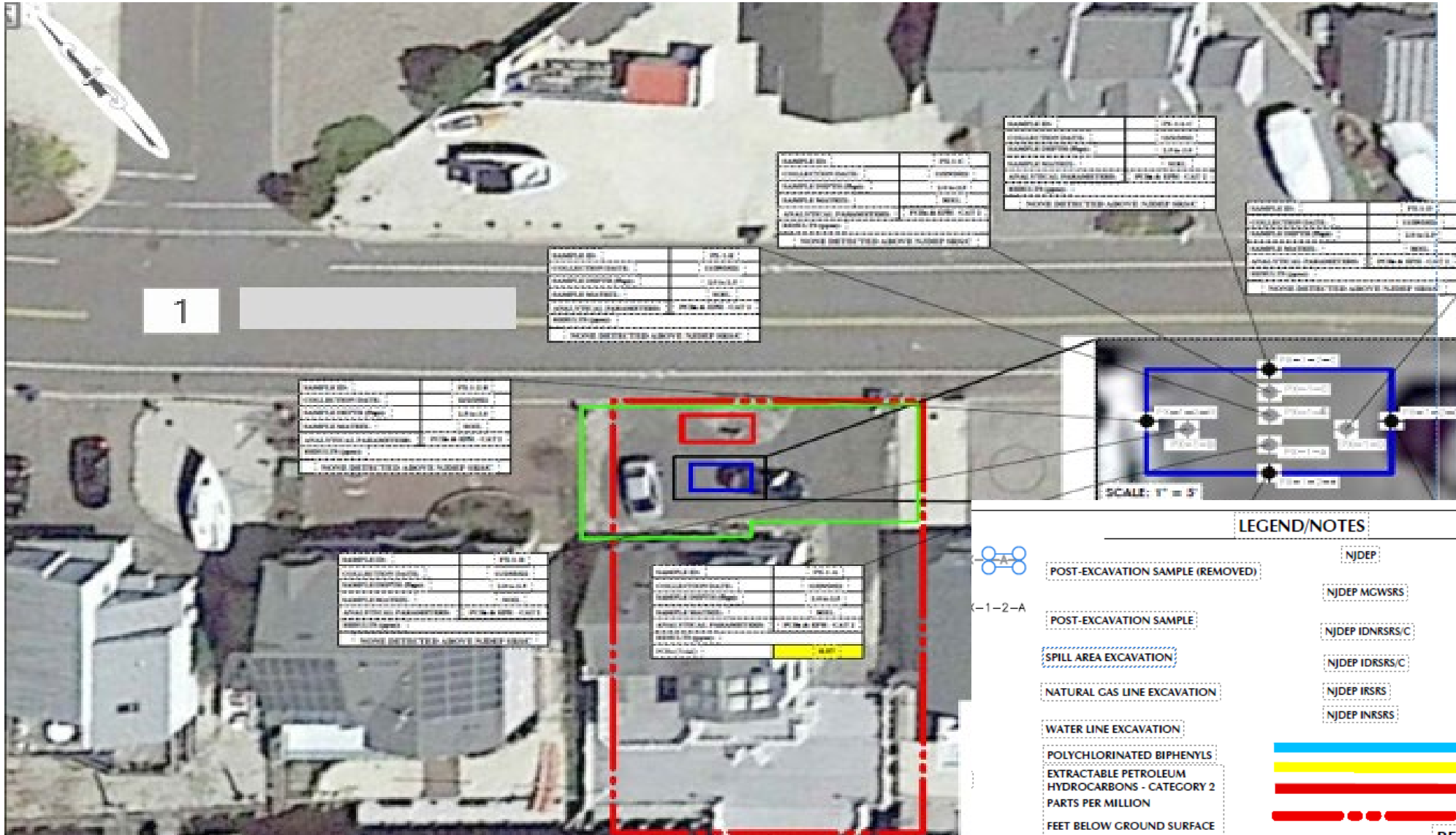


MORE PAVERS & STONES TO SAMPE



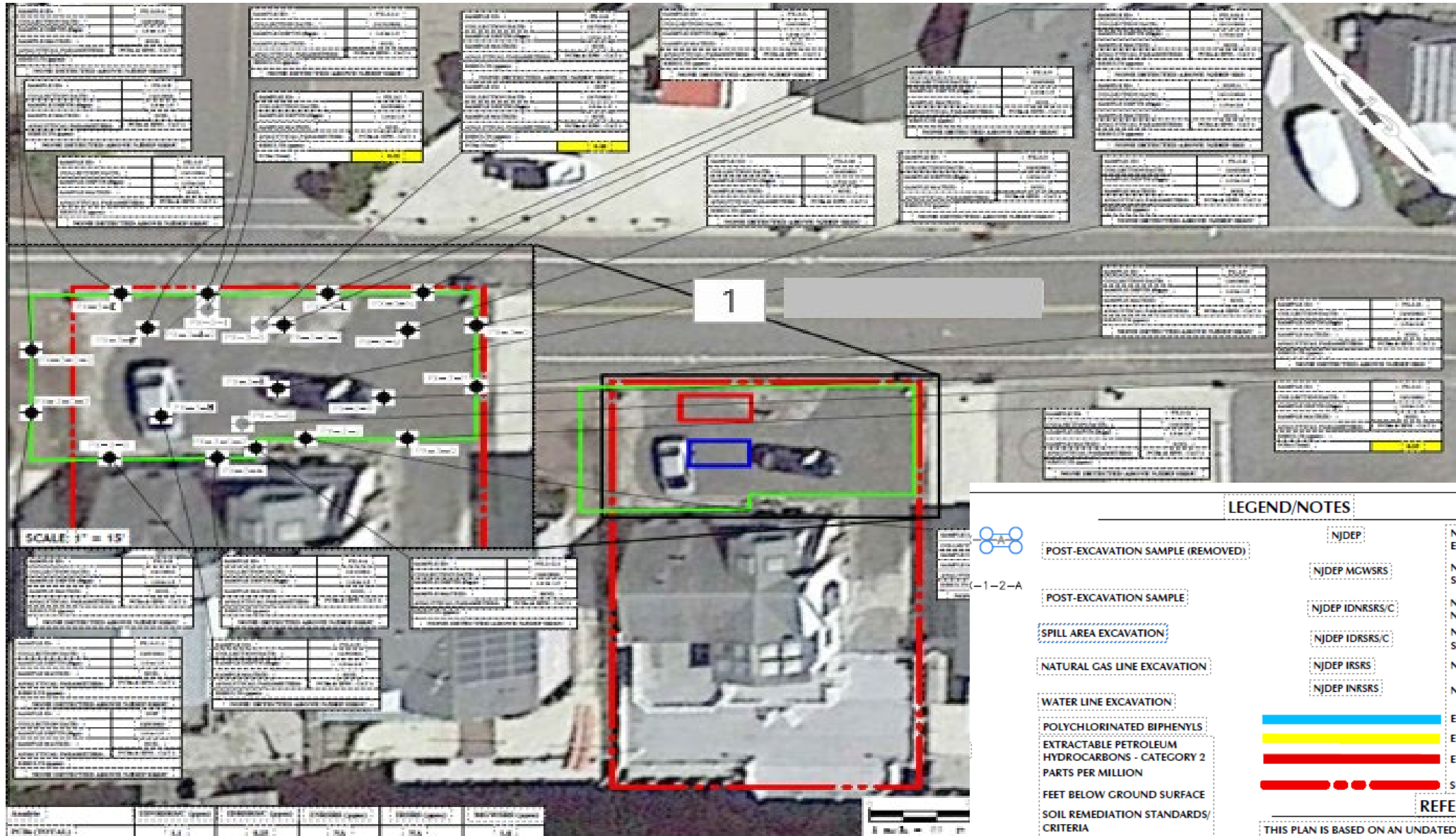
So many samples & so little time!

AOC - 1



So many samples & so little time!

AOC - 1 - Soil Sample Location & Contaminant Concentration



LEGEND/NOTES

	POST-EXCAVATION SAMPLE (REMOVED)	NJDEP	NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
	POST-EXCAVATION SAMPLE	NJDEP MGWSRS	NJDEP MIGRATION TO GROUND SRS
	SPILL AREA EXCAVATION	NJDEP IDNRSRS/C	NJDEP INGESTION-DERMAL NONRESIDENTIAL SRS/C
	NATURAL GAS LINE EXCAVATION	NJDEP IDRSRS/C	NJDEP INGESTION-DERMAL RESIDENTIAL SRS/C
	WATER LINE EXCAVATION	NJDEP IRSRS	NJDEP INHALATION RESIDENTIAL
	POLYCHLORINATED BIPHENYLS EXTRACTABLE PETROLEUM HYDROCARBONS - CATEGORY 2 PARTS PER MILLION	NJDEP INRSRS	NJDEP INHALATION NONRESIDENTIAL
	FEET BELOW GROUND SURFACE		
	SOIL REMEDIATION STANDARDS/CRITERIA		
	NO APPLICABLE NJDEP SRS/C		
	EXCEEDS NJDEP MGWSRS		
	EXCEEDS NJDEP IDRSRS/IRRSRS		
	EXCEEDS NJDEP IDNRSRS/INRSRS		
	SUBJECT PROPERTY BOUNDARY		
REFERENCE			
THIS PLAN IS BASED ON AN UNDATED GOOGLE EARTH IMAGE & ALL LOCATIONS ARE APPROXIMATE.			

TEMPORARY WELL POINT INSTALLATION (AOC-2)



WINTER PREPARATION & ASPHALT SAMPLING



ROAD TO RESTORATION



ROAD TO RESTORATION



ROAD TO RESTORATION



ROAD TO RESTORATION





KEY POINTS

- **CALL 811 BEFORE YOU DIG!**
 - Saves money, time & effort

- Third-party Insurance may not cover cost for all remedial actions
- You are only as good as your team members
- Be aware of EPA TSCA requirements for PCB spill cleanup and disposal, including new regulations under 40 CFR 761.61
- Your state PCB disposal regulations may be more stringent than EPA
- Cleanup actions should be performed concurrently to meet state and federal regulatory requirements
- Think “outside of the box” if you have transportation issues (i.e., use of rail cars, etc.)
- Good community relations is the key for your project to run according to plan
- Have regular communication meetings to keep RA on schedule
- Expect problems and tackle them with sensitivity

THANK YOU!



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I LOVE HUMMINGBIRDS!

