

## Detterman, Mark, Env. Health

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**From:** Glen Smith <glen.smith@cardno.com>  
**Sent:** Wednesday, October 18, 2017 10:50 AM  
**To:** Detterman, Mark, Env. Health  
**Cc:** Chris Brawer (chris@anchorvalley.com); Jonathan W. Redding; Patrick Ellwood  
**Subject:** RO3175 Site Remediation Schedule  
**Attachments:** Remedial Schedule.pdf

Mark,

We have approval from the City of Oakland.

I received confirmation yesterday afternoon that the permits have been received to start the work.

The work start date is scheduled for 8 am on Oct 30<sup>th</sup>.

The attached schedule (previously submitted to ACEH) will run from the 30<sup>th</sup> for approximately 10 business days.

Our selected contractor ICS will complete the USA Dig Alert for utility mark out prior to the start of work.

I'm coordinating with Anchor Valley and the parking lot operator for notification that a portion of the parking lot will be unavailable for approximately 14 calendar days.

If you have any questions please feel free to email or call.

Regards,

Jerald Glen Smith

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- I. Mobilization – 1 day (After City of Oakland Grading Permit Granted)**
- Notify Underground Service Alert (USA) to locate and mark public utilities and retain a private utility locator to mark the utilities.
  - Draft and submit for review site specific Health and Safety Plan (HASP) and Job Safety Analyses (JSAs) for the proposed operations.
  - Coordinate field activities with Cardno and participate in a kick-off meeting.
  - Assist Cardno with soil profiling.
  - Mobilize equipment, personnel, and materials to the site. Perform traffic control during mobilization/demobilization of heavy equipment.
  - Procure a hydrant meter for construction water.
  - Deliver a portable toilet to the site.
  - Saw cut excavation areas.
  - Establish work exclusion zones using delineators and caution tape. Install temporary fence on the Grand Avenue side of the site.
- II. Area 1 - Soil Remediation Using Drilling Methodologies – 6 days**
- Remove asphalt and transport the material to a recycling center.
  - Perform as-needed vegetation removal from the retaining wall.
  - Drill 16 holes covering a surface area of approximately 10' by 10' as shown on Figure 1 of the Shoring Plan. Each hole will be 36" diameter by 12' deep. The borings will be backfilled with controlled density fill (CDF) and installed per the shoring plan sequence. ICS anticipates drilling taking approximately one week to complete.
  - Soil samples will be collected from Area 1 excavation as required by Alameda County Environmental Health (ACEH), field screened for volatile organic compounds (VOCs), transported under chain-of-custody, and analyzed by an independent California certified third party laboratory on a 24-hour turn-around-time for the analyses required by ACEH.
  - Direct load soil and transport the material to Keller Canyon landfill as Class II.
- III. Area 2 - Soil Remediation Using Conventional Methodologies – 3 days**
- Remove asphalt and transport the material to a recycling center.
  - Excavate a trench approximately 50' long by 4' wide by 6' deep.
  - Shore the trench with hydraulic shores per Sheet 2 of the Shoring Plan.
  - Direct load soil and transport the material to Keller Canyon landfill as Class II.
  - Soil samples will be collected from Area 1 excavation as required by Alameda County Environmental Health (ACEH), field screened for volatile organic compounds (VOCs), transported under chain-of-custody, and analyzed by an independent California certified third party laboratory on a 24-hour turn-around-time for the analyses required by ACEH.
  - Backfill the excavation with CDF immediately after excavating.
  - Load out soil and transport the material to Keller Canyon landfill as Class II.
- IV. Post Remediation – 2 days**
- Excavation Areas 1 and 2 will have been backfilled with CDF to match original grades as indicated in Phases II and III, respectively.
  - Clean the work area, remove erosion control/Stormwater measures, and haul generated debris offsite for disposal/recycling. This will include using a street sweeper to clean the parking lot and any minor parking lot striping repair.
  - Provide copies of manifests documenting soil off-haul and disposal.

Mobilization is anticipated within one week after obtaining City of Oakland Grading Permit. Work to be performed consecutively due to limited space on site for staging of equipment. Work will be performed during normal business hours (M-F).