



HCI Environmental & Engineering Service
A-GENERAL ENGINEERING STATE CONTRACTORS LICENSE NUMBER 788216
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Specific Site Work Plan

Prepared for

Mr. Duane Burk, Director of Public Works
City of Banning.
Banning, CA 92220

Prepared By:

Mr. David Milligan REA.
HCI Environmental & Engineering Service, Inc.
114 Business Center Drive,
Corona, Ca 92880.

July 27, 2011



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SITE SPECIFIC WORK PLAN

Property Information:

Responsible Party: Mr. Duane Burk. Director of Public Works

Responsible Agency: City of Banning.
Banning, CA 92220

Work Plan Preparer: Mr. David Milligan REA.
HCI Environmental & Engineering Service, Inc.
114 Business Center Drive,
Corona, Ca 92880.

Work Plan Date: 7-27-2011

Site Information:

Project location: Public Street drainage culvert beginning at north side at 553 E Ramsey St, traveling east 3,514 feet to crossover culvert, crossing under Ramsey St 217.88 south east onto Cal Trans property, traveling under 60 freeway 295.29 feet south east, onto Union Pacific Property, ending roughly 25 feet into Union Pacific property to the south east, on the north side of property about 50 feet north of railroad tracks.

Site Location: See Above.

Site Contamination: Oil.

Location of Release: Oil release from 553 East Ramsey, a vacant building.

Release Date: Unknown.

Release Date Stoppage: Unknown.

Corrective Actions to date: Bulk of oil collected, drainage culvert flushed with an estimated 100,000 gallons water and bio-degradable cleaning agent.

Hazardous Materials Storage: N/A

Location of Samples, Borings, Monitoring Wells: None at this time.



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Historic, and current groundwater flow activity, current groundwater data: N/A

Approximate extent of soil and groundwater contamination: N/A.

Site Management:

Responsible on site project management to be provided by:

Robert C. Guy. CEO HCI Environmental & Engineering Service, Inc.

Background:

Information provided indicates an estimated 270 gallons of waste oil was dumped by an unknown party at the address indicated above. The release then traveled south off of the property onto the north side of Ramsey St, entering a drainage culvert underneath the street.

The release then flowed 3,514 feet to a crossover drainage culvert, crossing underneath Ramsey St from the north side to the south returning to the surface on the south side of Ramsey St. The release then entered into a mixed rock and cement runoff basin, traveling south onto Cal Trans property, again traveling south under the 60 freeway, an estimated 295 feet, again returning to the surface coming to an accumulation point on Union Pacific Property.

Activities to date include collection of remaining oil on site, flushing of the entire drainage system, establishment of containment basin prior to Cal Trans property at which point a final collection point has been established. All waste waters and residue oil have been and are still being collection into 5,000 gallon vacuum trucks for proper disposal.

Agency involvement has included City of Banning Employees, Banning Fire Agency and the State of California Department of Fish and Game.

Scope of Work:

Collection of waste oil from original spill area. Pressure washing of impacted surface areas as needed and collection of rinseate from surface impaction. Rinsing of drainage culverts as needed to remove residue underneath Ramsey St. Upon resurfacing the on the south side of Ramsey St, the contaminated residue requires pressure washing and material removal up to Cal Trans property. Union Pacific property required complete decontamination and removal of material at collection. Improvements for The City of Banning, Cal Trans and Union Pacific properties shall include reconstruction of drainage culvert as specified.



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SCOPE OF WORK/PROPOSED WORK PLAN:

Location:

1. 553 E Ramsey St.

Containment and collection of waste oil as needed. Pressure washing of impacted surfaces as needed to complete phase.

2. 3,514.95 linear feet of Ramsey St, Drainage culvert.

Rinse culvert using water with cleaning solution utilizing natural gravity flow to flush liquid to collection point.

3. Collection point south side Ramsey St.

Pressure wash exposed concrete of culvert to rock/concrete transition. Demo out and remove all rock/concrete material from culvert as needed. Remove remaining soil from culvert surface to Cal Trans property. Reconstruct and replace with concrete a new culvert to tie in with Cal Trans drainage system.

4. Cal Trans property, south of 60 freeway.

Remove all rock/concrete material from culvert as needed to Union Pacific Property. Remove entire collection pond to include soil, rock, plant material as needed to clean surface. Clear remaining debris to Union Pacific culverts leading under tracks as needed. Reconstruct and replace with concrete a new culvert to tie in with Cal Trans drainage system, then connecting to Union Pacific drainage system.

Concerns:

Ramsey Street acts as a frontage road for the 60 freeway and the main street in the City of Banning. Traffic controls should be constantly maintained utilizing cones, barricades and signage.

For the exposed culvert areas on both the north and south sides of the 60 freeway care and concern should be taken to avoid potential sinkholes as a result of failed concrete or hidden conditions within soil/rock areas.

Working adjacent Union Pacific railroad tracks personal safety and following protocol of the railroad will be required.

Personal protection when using heavy equipment during excavation.



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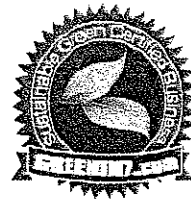
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Exposure:

Chemical exposure is very low. Oil and water with oil coating surfaces.

Project Site Personnel:

Driver/Roll-off Bin Operator. (As needed)
Vacuum Truck Operators. (As needed)
Backhoe Operator to remove concrete, sub soil.
General labor. (As needed)
Project Foreman. (As needed)
Senior Project Manager. (As needed)

Tailgate project/safety meeting:

All equipment operators, laborers, environmental technicians, supervisors shall undergo a project Work/Safety meeting identifying work activities and safety hazards which may or will be present on site. Additionally special attention shall be paid to overall worker safety in relations to traffic exposure.

A Project Work/Safety meeting sign off sheet will be completed and signed by each person working on or visiting on site.

Underground pipeline identification:

All underground pipelines, electrical lines to be identified via professional firm such as Dig Alert prior to saw cutting, surface removal and soil removal.

Lane Closure:

Westbound Ramsey St signage.

500 ft. Install road sign stating lane closure ahead.

250 ft. Install road cones or barriers closing lane and transferring traffic onto center lane.

150 ft. Maintain signage, cones and or barriers past work area.

Eastbound Ramsey St signage.

None required at this time



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Air Quality Site Monitoring:

It should be noted that no Air Quality Site Monitoring is required at this time.

Street Saw Cutting:

Street surface saw cutting to be provided via properly trained operator utilizing appropriate equipment to cleanly cut away asphalt surface.

Saw cut marked outline as defined by paint marking on street.

Saw cutting in center of street should be done so (if possible) facing oncoming traffic.

Heavy equipment or truck can be used as partial safety block.

Use Appropriate Safety Protective Gear as needed. (See Health and Safety Plan)

Surface Removal:

Asphalt/Concrete surface removal to be done so using a backhoe with bucket. Asphalt/Concrete surface to be lifted out carefully as not to impact passing traffic, pose danger to laborers or impact subsurface soil.

Asphalt/Concrete to be placed into lined roll-off bin for proper disposal.

Culvert Material Removal:

Overall material removal to include concrete, rock and soil shall be done so using a backhoe with bucket. Material to be lifted out carefully as not to impact passing traffic, spread contaminates beyond work area, pose danger to laborers. Removed material to be placed into lined roll-off bin for proper disposal.

This excavation process is to continue until authorized representative from Riverside County Environmental Health, a certified Engineer, and/or Registered Geologist has determined that contaminated material removal requirements have been met.

This process may be subject to trench entry, soil sampling and analysis and hole may be required to remain open until analytical sampling and results can determine if project requirements have been met.

Special consideration shall be made to any and all pipe or electrical lines during any excavation. This activity may require the usage of hand tools within the excavation zone to remove soil as needed from the contamination zone.



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Pipeline Awareness:

A number of different pipelines and possibly electrical lines may be present within the work area. If in the event the any line is impacted, ruptured, damaged or broken the following shall occur:

- Stop all work.
- Evacuate non-essential personal.
- Evaluate situation.
- Contact emergency services as needed.
- Wait for necessary repairs.
- Proceed with work.

Hazardous Waste Storage:

All solid hazardous waste generated from excavation activity shall be place into lined roll-off bins and staged onto client property. All hazardous waste stored within lined roll-off bins shall be covered in the event of intrusion or inclement weather.

Permanent Backfill and Closure:

Upon acceptable soil conditions determined via analytical results provided backfill activity and compaction activity shall occur.

Activity shall include:

- Installation of replacement soil.
- Compaction of replacement soil.
- Installation of base material.
- Compaction of base material.
- Construction of replacement culvert sections.

Backfill Material:

Backfill material to be specified per City of Banning Public Works Department. The origin of this material shall be determined.

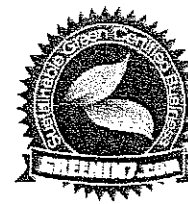


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Hazardous Waste Transportation:

Upon analytical and proper determination of waste material stored within roll-off bins proper profiling of waste into a fully licensed and permitted disposal facility shall occur.

Upon profile acceptance of waste a hazardous waste or Non-hazardous manifest shall be generated.

HCI Environmental & Engineering Service, Inc. will then arrange pick-up and removal of all waste in question, thus transporting waste into the approved disposal facility for final disposition.

Personal Protective Equipment:

NOTE:

All workers within this area and as soil is exposed shall wear **Level C Protective Gear**, until specific work area conditions can be proven that such gear is no longer required and a downgrade can occur.

Level C Gear:

- Tyvek (White) only.
- Gloves (Liquid Resistant) Nitrile.
- Rubber Boots (To be used while entering exposed surface area)
- Half Face Respirator
- HEPA/Inorganic Vapor Cartridges
- Safety Glasses.
- Safety Vest (Bright Green)

First Aid-Safety Equipment Location:

Located within HCI Environmental Utility Service Vehicle.

Culvert Material Removal:

Material removal to be done so using a backhoe with bucket. Material to be lifted out carefully as not to impact passing traffic, spread contaminants beyond work area, pose danger to laborers Soil to be placed into lined roll-off bin for proper disposal.

The operator in this case shall be:

- 40hr Haz-Whopper Trained.
- Trained and certified in specific usage of equipment.



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- Trained in communication techniques such as hand signals while operating equipment.

The heavy equipment operator shall wear:

- Appropriate work apparel
- Work boots.
- **Safety Vest (Bright Green)**
- **To have half face respirator with HEPA/Inorganic Cartridges available in backhoe cab.**

Laborers within this specific work area shall wear the following:

- Tyvek
- Half Face Respirator with Hepa/Inorganic Cartridge
- Protective Eyewear.
- Work boots.
- **Safety Vest (Bright Green)**
- Hard hat.
- Gloves.

Emergency Response Information:

Banning Fire Department: 911.

Banning Police Department: 911

Riverside Community Hospital: 951-845-1121

Driving directions to San Geronio Memorial Hospital
600 N. Highland Springs Ave, Banning Ca.

Suggested routes

Start at **553 E RAMSEY ST, BANNING** going toward **ELIVINGSTON ST** - go **0.1** mi

1. Turn Right on **S HARGRAVE ST** - go **< 0.1** mi
2. Turn Right to take ramp onto **I-10 W** toward **LOSANGELES** - go **4.2** mi
3. Take exit **#96/HIGHLAND SPRINGS AVENUE** - go **0.4** mi
4. Turn Right on **S HIGHLAND SPRINGS AVE** - go **0.3** mi
5. Arrive at **600 N HIGHLAND SPRINGS AVE, BANNING**, on the Right



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HCI Daily Sign In Sheet

Generator Name:	Job Location:
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[illegible]

Supervisor Signature	Date:





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Daily Activity Log Sheet.

Date: _____.

Weather Conditions: Cold____. Mild____. Hot____. Rain____. Clear____. Temp____.

Activities Completed:

Project Delays:

Equipment used:

Project Manager Signature: _____.



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