NM1 - __65___

PART 36 PERMIT APPLICATION

Attachments 6

2A of 3

June 28, 2019

Attachment #6

This plan complies with all applicable requirements contained in 19.15.36.13, 19.15.36.14, 19.15.36.15 and 19.15.36.17 NMAC.

19.15.36.13 Siting and Operational Requirements Applicable to All Permitted Surface Waste Management Facilities: Except as otherwise provided in 19.15.36 NMAC.

A. Depth to ground water.

(2) No landfarm that accepts soil or drill cuttings with a chloride concentration that exceeds 500 mg/kg shall be located where ground water is less than 100 feet below the lowest elevation at which the operator will place oil field waste. See Subsection A of 19.15.36.15 NMAC for oil field waste acceptance criteria.

Per drilling activities that occurred between October 19, 2014 and December 4, 2014 and drilling activities June 26, 2019, after drilling to 105 feet below ground surface (bgs) at the lowest elevation at which oilfield waste will be placed, no ground water was encountered. Therefore, depth to groundwater at Envirotech's Landfarm #4 is greater than 100 feet; see ***Attachment 14, Hydro-Geological Data.***

(3) No landfarm that accepts soil or drill cuttings with a chloride concentration that is 500 mg/kg or less shall be located where ground water is less than 50 feet below the lowest elevation at which the operator will place oil field waste.

Per drilling activities that occurred between October 19, 2014 and December 4, 2014 and drilling activities June 26, 2019, after drilling to 105 feet below ground surface (bgs) at the lowest elevation at which oilfield waste will be placed, no ground water was encountered. Therefore, depth to groundwater at Envirotech's Landfarm #4 is greater than 50 feet; see ***Attachment 14, Hydro-Geological Data.***

(5) No other surface waste management facility shall be located where groundwater is less than 50 feet below the lowest elevation at which the operator will place oil field waste.

Per drilling activities that occurred between October 19, 2014 and December 4, 2014 and drilling activities June 26, 2019, after drilling to 105 below ground surface (bgs) at the lowest elevation at which oilfield waste will be placed, no ground water was encountered. Therefore, depth to groundwater at Envirotech's Landfarm #4 is greater than 50 feet; see ***Attachment 14, Hydro-Geological Data.***

B. No surface waste management facility shall be located:

(1) Within 200 feet of a watercourse, lakebed, sinkhole or playa lake;

The closest watercourse to Landfarm #4 is an ephemeral wash, a tributary to the West Fork of Gallegos Canyon. This wash is located on the south end of the proposed Landfarm #4 facility; see ***Figure 6a, Topographic Map.*** Envirotech has provided a 200 foot buffer on either side of the wash as measured from the bank of the wash.

(2) Within an existing wellhead protection area or 100-year floodplain;

Based on the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map obtained from F-MIT On-Line, Landfarm #4 does not fall within a 100-year floodplain; see ***Figure 6b, FEMA Floodplain Map.***

Per the definition of "wellhead protection area" from Paragraph W 19.15.2.7 (8) NMAC and based on San Juan County GIS Mapping, Landfarm #4 does not fall within a wellhead protection area, see; ***Figure 6c, Wellhead Protection Map.***

(3) Within, or within 500 feet of, a wetland;

Based on the U.S. Fish and Wildlife Services, National Wetlands Inventory Map Landfarm #4 is not within 500 feet of a wetland; see ***Figure 6d, Wetlands Inventory Map.*** There arroyo that transects the southern portion is classified as Riverine habitat so Envirotech consulted with the US Army Corps of Engineers (USACE) who performed a wetlands assessment in and around the arroyo. The USACE noted that there are no wetlands in the vicinity of Landfarm #4. The USACE determinations are presented with ***Figure 6d*** and supporting documentation.

(4) Within the area overlying a subsurface mine;

Based on the New Mexico Energy, Minerals and Natural Resources Department Web Map, Landfarm #4 does not overly a subsurface mine; see ***Figure 6e, Mine Map.***

(5) Within 500 feet from the nearest permanent residence, school, hospital, institution or church in existence at the time of initial application; or

Based on San Juan County GIS Mapping, Landfarm #4 is not within 500 feet of a permanent residence, school, hospital, institution or church; see ***Figure 6f, Parcel Map.***

(6) Within an unstable area, unless the operator demonstrates that engineering measures have been incorporated into the surface waste management facility design to ensure that the surface waste management facility's integrity will not be compromised.

Based on the Hydro-Geological data, Landfarm #4 is not located within an unstable area; see ***Attachment 14, Hydro-Geological data.*** Presented in Attachment 13 is a map showing the Karst areas for New Mexico; ***see Figure 13: USGS Karst Areas***. There are no volcanic or carbonate areas near the proposed facility.

C. No surface waste management facility shall exceed 500 acres.

Landfarm #4 is a total of **341** acres with **212.4** farmable acres, therefore it is below 500 acres; see ***Figure 4A, Farmable Area Map.***

D. The operator shall not accept oil field wastes transported by motor vehicle at the surface waste management facility unless the transporter has a form C-133, authorization to move liquid waste, approved by the division.

Envirotech, Inc.'s Landfarm #4 will not accept any liquids, including produced water, therefore any transporters carrying liquid waste and/or a C-133 form will be turned away.

E. The operator shall not place oil field waste containing free liquids in a landfill or landfarm cell. The operator shall use the paint filter test, as prescribed by the EPA (EPA SW-486, Method 9095) to determine conformance of the oil field waste to this criterion.

Envirotech Inc., will not accept any oil field waste containing free liquids at Landfarm #4.

F. Surface waste management facilities shall accept only exempt or non-hazardous waste, except as provided in Paragraph (3) of Subsection F of 19.15.36.13 NMAC. The operator shall not accept hazardous waste at a surface waste management facility. The operator shall not accept wastes containing NORM at a surface waste management facility except as provided in 19.15.35 NMAC. The operator shall require the following documentation for accepting oil field wastes, and both the operator and the generator shall maintain and make the documentation available for division inspection.

Envirotech, Inc. will not accept hazardous waste or waste containing NORM at Landfarm #4.

> *(1) Exempt oil field wastes. The operator shall require a certification on form C-138, signed by the generator or the generator's authorized agent, that represents and warrants that the oil field waste are generated from oil and gas exploration and production operations, are exempt waste and are not mixed with non-exempt waste. The operator shall have the option to accept such certifications on a monthly, weekly or per load basis. The operator shall maintain and shall make the certificates available for the divisions inspection.*

Envirotech, Inc. will require a completed Form C-138 for exempt petroleum hydrocarbon-contaminated soils and drill cuttings generated from oil and gas exploration operations, signed by the generator or the generator's authorized agent, prior to acceptance of waste at the Landfarm #4. The completed form will typically be valid for thirty (30) calendar days for a single event at a given site. The completed C-138 forms will be maintained in the Landfarm Administrative Office located at 5796 U.S. Highway 64, Farmington, New Mexico, and will be available to the division upon request. These records will be maintained until five (5) years after closure of Landfarm #4.

> *(2) Non-exempt, non-hazardous, oil field wastes. The operator shall require a form C-138, oil field waste document, signed by the generator or its authorized agent. This form shall be accompanied by acceptable documentation to determine that the oil field waste is non-hazardous.*

Envirotech Inc will require a completed form C-138 for non-exempt, non-hazardous, oil field waste, signed by the generator or its authorized agent. In addition, the form must be accompanied by the appropriate testing as determined on a case by case basis for the listed waste stream. Lab analysis may range from RCRA 8 testing to a full TCLP including an RCI for reactivity, corrosivity and ignitability. Tests for chlorides, total petroleum hydrocarbons and BTEX may also be done, again depending on the waste genesis. In the event the waste material is impacted by new, unused, refined products MSDS paperwork will be submitted for review prior to deciding if acceptance at the landfarm is appropriate.

The completed C-138 forms and any applicable testing analysis will be maintained in the Landfarm administrative office located at 5796 US Hwy 64, Farmington, New Mexico, and will be available to the division upon request. These records will be maintained until five (5) years after the closure of Landfarm #4.

> *(3) Emergency non-oil field wastes. The operator may accept non-hazardous, non-oil field wastes in an emergency if ordered by the department of public safety. The operator shall complete a form C-138, oil field waste document, describing the waste, and maintain the same, accompanied by the department of public safety order, subject to division inspection.*

Landfarm #4 will not accept for remediation any emergency non-oil field waste that does not contain petroleum hydrocarbons.

G. The operator of a commercial facility shall maintain records reflecting the generator, the location of origin, the location of disposal within the commercial facility, the volume and type of oil field waste, the date of disposal and the hauling company for each load or category of oil field waste accepted at the commercial facility. The operator shall maintain such records for a period of not less than five years after the commercial facility's closure, subject to division inspection.

Envirotech, Inc. will maintain the following documentation for oil field wastes received at Landfarm #4:

- C-138 forms containing the generator name and the location of origin of the waste.
- The Bill of Lading containing the location of disposal within the landfarm, the volume and description of oil field waste, the date of disposal, and the name of the hauling company.

Envirotech, Inc. will maintain the above documents in the Landfarm Administrative Office located at 5796 U.S. Highway 64, Farmington, New Mexico, for at least five (5) years after closure of Landfarm #4. These documents will be available to the division upon request.

H. Disposal at a commercial facility shall occur only when an attendant is on duty unless loads can be monitored or otherwise isolated for inspection before disposal. The surface waste management facility shall be secured to prevent unauthorized disposal.

Disposal at Envirotech's Landfarm #4 will only occur when an attendant is on duty to receive the completed Form C-138; perform the paint filter testing and chloride testing, and complete the Bill of Lading. Envirotech's Landfarm #4 will be fenced and gated, and will be signed to prevent unauthorized disposal.

I. To protect migratory birds, tanks exceeding eight feet in diameter, and exposed pits and ponds shall be screened, netted or covered. Upon the operator's written application, the division may grant an exception to screening, netting or covering upon the operator's showing that an alternative method will protect migratory birds or that the surface waste management facility is not hazardous to migratory birds. Surface waste management facilities shall be fenced in a manner approved by the division.

Envirotech, Inc.'s Landfarm #4 does not have any pits, ponds or tanks exceeding eight feet on site.

J. Surface waste management facilities shall have a sign, readable from a distance of 50 feet and containing the operator's name; surface waste management facility permit or order number; surface waste management facility location by unit letter, section, township and range; and emergency telephone numbers.

Envirotech's Landfarm #4 will be signed in such a manner that the sign is readable from a distance of fifty (50) feet. The sign will include Envirotech's name and emergency telephone numbers, the surface waste management facility permit number, the facility location including the unit letter(s), section, township, and range.

K. The operators shall comply with the spill reporting and corrective action provisions of 19.15.30 NMAC or 19.15.29 NMAC.

Should a release occur Envirotech will comply with all applicable provisions of 19.15.30 or 19.15.29.

L. Each operator shall have an inspection and maintenance plan that includes the following:

> *(1) Monthly inspection of leak detection sumps including sampling if fluids are present with analyses of fluid samples furnished to the division; and maintenance of records of inspection dates, the inspector and the leak detection system's status;*
>
> *(2) Semi-annual inspection and sampling of monitoring wells as required, with analyses of ground water furnished to the division, and maintenance of records of inspection dates, the inspector and groundwater monitoring wells'*

status; and

(3) Inspections of the berms and the outside walls of pond levees quarterly and after a major rainfall or windstorm, and maintenance of berms in such a manner to prevent erosion.

Envirotech, Inc. maintains an inspection and maintenance plan including the elements outlined above; see ***Attachment 11, Run-on and Run-off Control and Attachment 12 Best Management Practices Plan***.

M. Each operator shall have a plan to control run-on water onto the site and run-off water from the site, such that:

(1) The run-on and run-off control system shall prevent flow onto the surface waste management facility's active portion during the peak discharge from a 25-year storm; and

(2) Run-off from the surface waste management facility's active portion shall not be allowed to discharge a pollutant to the waters of the state or United States that violates state water quality standards.

Envirotech, Inc. maintains a plan to control run-on water onto Landfarm #4 and run-off water from Landfarm #4; see ***Attachment 11, Run-on and Run-off Control and Attachment 12 Best Management Practices Plan***.

N. Contingency plan. Each operator shall have a contingency plan. The operator shall provide the division's environmental bureau with a copy of an amendment to the contingency plan, including amendments required by Paragraph (8) of Subsection N of 19.15.36.13 NMAC; and promptly notify the division's environmental bureau of changes in the emergency coordinator or in the emergency coordinator's contact information. The contingency plan shall be designed to minimize hazards to fresh water, public health, safety or the environmental from fires, explosions or an unplanned sudden or non-sudden release of contaminants or oil field waste to air, soil, surface water or ground water. The operator shall carry out the plan's provisions immediately whenever there is a fire, explosion or release of contaminants or oil field waste constituents that could threaten fresh water, public health, safety or the environment; provided that the emergency coordinator may deviate from the plan as necessary in an emergency situation. The contingency plan for emergencies shall:

(1) Describe the actions surface waste management facility personnel shall take in response to fires, explosions or releases to air, soil, surface water or ground water of contaminants or oil field waste containing constituents that could threaten fresh water, public health, safety or the environment;
(2) Describe arrangements with local police departments, fire department, hospitals, contractors and state and local emergency response teams to coordinate emergency services;

(3) List the emergency coordinator's name; address; and office, home and mobile phone number (where more than one person is listed, one shall be named as the primary emergency coordinator);

(4) Include a list, which shall be kept current, of emergency equipment at the surface waste management facility, such as fire extinguishing systems, spill control equipment, communications, alarm systems, and decontamination equipment, containing a physical description of each item on the list and a brief outline of its capabilities;

(5) Include an evacuation plan for surface waste management facility personnel that describes signals to be used to begin evacuation, evacuation routes and alternate evacuation routes in cases where fire or releases of wastes could block the primary routes;

(6) Include an evaluation of expected contaminants, expected media contaminated and procedures for investigation, containment and correction or remediation;

(7) List where copies of the contingency plan will be kept, which shall include the surface waste management facility; local police departments, fire departments and hospitals; and state and local emergency teams;

(8) Indicate when the contingency plan will be amended, which shall be within five working days whenever:

> *a. The surface waste management facility permit is revised or modified;*
> *b. The plan fails in an emergency;*
> *c. The surface waste management facility changes design, construction, operation, maintenance or other circumstances in a way that increases the potential for fires, explosions or releases of oil field waste constituents that could threaten fresh water, public health, safety or the environment or change the response necessary in an emergency;*
> *d. The list of emergency coordinators or their contact information changes; or*
> *e. The list of emergency equipment changes;*

(9) Describe how the emergency coordinator or the coordinator's designee, whenever there is an imminent or actual emergency situation, will immediately;

> *a. Activate internal surface water management facility alarms or communication systems, where applicable, to notify surface waste management facility personnel; and*
> *b. Notify appropriate state and local agencies with designated response*

roles if their assistance is needed;

(10) Describe how the emergency coordinator, whenever there is a release, fire or explosion, will immediately identify the character, exact source, amount and extent of released materials (the emergency coordinator may do this by observation or review of surface waste management facility records or manifests, and, if necessary, by chemical analysis) and describe how the emergency coordinator will concurrently assess possible hazards to fresh water, public health, safety or the environment that may result from the release, fire or explosion (this assessment shall consider both the direct and indirect hazard of the release, fire or explosion);

(11) Describe how, if the surface waste management facility stops operations in response to fire, explosion or release, the emergency coordinator will monitor for leaks, pressure buildup, gas generation or rupture in valves, pipes or the equipment, wherever this is appropriate;

(12) Describe how the emergency coordinator, immediately after an emergency, will provide for treating, storing or disposing of recovered oil field waste, or other material that results from a release, fire or explosion at a surface waste management facility;

(13) Describe how the emergency coordinator will ensure that no oil field waste, which may be incompatible with the released material, is treated, stored or disposed of until cleanup procedures are complete; and

(14) Provide that the emergency coordinator may amend the plan during an emergency as necessary to protect fresh water, public health, safety or the environment.

Envirotech, Inc. maintains a contingency plan implementing all of the requirements in Subsection N of 19.15.36.13 NMAC.;see ***Attachment 10, Emergency Contingency Plan***.

P. Training Program. Each operator shall conduct an annual training program for key personnel that includes general operations, permit conditions, emergencies proper sampling methods and identification of exempt and non-exempt waste and hazardous waste. The operator shall maintain records of such training, subject to division inspection, for five years.

Envirotech, Inc. will conduct annual training for key personnel working at Landfarm #4 and/or with Landfarm #4 procedures and operations. Annual training will cover general operations, permit conditions, emergency procedures, sampling methods, and identification of exempt, non-exempt, and hazardous wastes. Personnel training records are located in the Envirotech, Inc. Health and Safety Manger's Office and are available for division inspection. Training records are maintained for a period of five (5) years.

19.15.36.15 Specific Requirements Applicable to Landfarms:

A. Oil field waste acceptance criteria. Only soils and drill cuttings predominantly contaminated by petroleum hydrocarbons shall be placed in a landfarm. The division may approve placement of tank bottoms in a landfarm if the operator demonstrates that the tank bottoms do not contain economically recoverable petroleum hydrocarbons. Soils and drill cuttings placed in a landfarm shall be sufficiently free of liquid content to pass the paint filter test, and shall not have a chloride concentration exceeding 500 mg/kg if the landfarm is located where ground water is less than 100 feet but at least 50 feet below the lowest elevation at which the operator will place oil field waste or exceeding 1000 mg/kg if the landfarm is located where ground water is 100 feet or more below the lowest elevation at which the operator will place oil field waste. The person tendering oil field waste for treatment at a landfarm shall certify, on form C-138, that representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content, and that the samples have been found to conform to these requirements. The landfarm's operator shall not accept oil field waste for landfarm treatment unless accompanied by this certification.

Envirotech Inc.'s Landfarm #4 will accept only oil field wastes such as soil and/or drill cuttings predominantly contaminated by petroleum hydrocarbons. Petroleum hydrocarbon contamination will be determined either by sampling or by generator statement of waste generation.

Paint filter tests and chloride tests are performed on first, fifth and tenth loads from any one site. The first load from each site that is delivered is subjected to the Chloride and paint filter test. As long as load delivered to Envirotech Inc.'s Landfarm #4 and attached to the respective Bill of Lading (BOL).

Waste exceeding 1000 mg/kg chloride will not be accepted at Envirotech Inc.'s Landfarm #4. Any oil field waste that exceeds levels of 1000 mg/kg of chlorides will be turned away.

Analytical results, Bills of Lading, and *Form C-138, Request for Approval to Accept Solid Waste*, are required for each transporter bringing waste to Envirotech Inc.'s Landfarm #4. All of these forms will be maintained in the Landfarm Administrative office located at 5796 U.S. Highway 64, Farmington, New Mexico. This documentation is available for division inspections and will be maintained for five (5) years after closure of the landfarm.
Additionally, Per drilling activities that was completed on November 19, 2014 and June 2019, after drilling to 105 feet below ground surface at the lowest elevation at which oilfield waste will be placed, no ground water was encountered. Therefore, depth to groundwater at Envirotech's Landfarm #4 is greater than 100 feet; see ***Attachment 14, Hydro-Geological Data.***

B. Background testing. Prior to beginning operation of a new landfarm or to open a new cell at an existing landfarm at which the operator has not already established background, the operator shall take, at a minimum, 12 composite background soil samples, with each consisting of 16 discrete samples from areas that previous operations have not impacted at least six inches below the original ground surface, to establish background soil concentrations for the entire surface waste management facility. The operator shall analyze the background soil samples for TPH, as determined by EPA method 418.1 or other EPA method approved by the division; BTEX, as

determined by EPA SW-846 method 8021B or 8260B; chlorides; and other constituents listed in Subsections A and B of 20.6.2.3103 NMAC, using approved EPA methods.

Envirotech, Inc. (Envirotech) has completed the background sampling and analysis for the proposed Landfarm #4. Sampling and analysis activities were conducted in accordance with the background sampling plan dated September 24, 2015 and approved by NMOCD in correspondence dated February 25, 2016.

A report outlining the statistical analysis and final concentration determined to be the background soil concentrations is presented in Appendix 1 of the Attachment. Envirotech utilized a statistical analysis software called ProUCL to evaluate the data. The report includes the statistical methods utilized to determine the concentrations as well as all field notes and laboratory analysis. The table has 4 different columns (Average PQL, PQL, Mean from ProUCL and Upper Confidence Interval from ProUCL. The Average PQL was determined by averaging the differing PQL's reported by the analyzing laboratory for the 12 samples. The PQL was taken as the laboratory reporting limit in the event that all 12 samples were below the detection limit. If the analyzing laboratory did not have varying PQL's and instead reported a constant value, that number is reported in the PQL column. The Mean from ProUCL column is a calculated mean from the software package once the data was evaluated for outliers, normality and various other statistical parameters. The fourth column in an Upper Confidence Limit from the calculated by the ProUCL software. This number is the value that Envirotech will use to evaluate future vadose zone samples against to determine if a release has occurred and contaminates are potentially migrating into the vadose zone. Below is a summary table that outlines the findings of the statistical analysis.

Table 3, Summary of Statistical Analysis

Contaminant of Concern (COC)	Average PQL	PQL	Mean from ProUCL	Upper confidence from ProUCL
	(mg/kg)			
Total Petroleum Hydrocarbons (TPH) USEPA Method 8015				
Gasoline Range Organics (C6-C10)		20		
Diesel Range Organics C10-C28)		25		
Oil Range Organics (C28-C40+)		50		
Volatile Organic Compounds (VOC) USEPA Method 8021				
Benzene		0.1		
Toluene		0.1		
Ethylbenzene		0.1		
Xylene		0.1		
Naphthalene		0.5		
1-Methylnaphthalene		0.5		
2-Methylnaphthalene		0.5		
Volatile Organic Compounds (VOC) USEPA Method 8260				
Carbon Tetrachloride	0.1045			
1,2-dichloroethane	0.1045			
1,1-dichloroethylene (1,1-dichloroethene)	0.1045			
1,1,2,2-tetrachloroethylene(tetrachloroethene)	0.1045			
1,1,2-trichloroethylene (trichloroethene)	0.1045			
Methylene chloride	0.1045			
Chloroform	0.1045			
1,1-dichloroethane	0.1045			
Ethylene dibromide (1,2-dibromoethane)	0.1045			
1,1,1-trichloroethane	0.1045			
1,1,2-trichloroethane	0.1045			
1,1,2,2-tetrachloroethane	0.1045			
Vinyl chloride	0.1045			

Contaminant of Concern (COC)	Average PQL	PQL	Mean from ProUCL	Upper confidence from ProUCL
	(mg/kg)			
Polynuclear Aromatic Hydrocarbons (PAH) USEPA Method 8270C				
Acenaphthene	0.0345			
Acenaphthylene	0.0345			
Anthracene	0.0345			
Benzo(a)anthracene	0.0345			
Benzo(a)pyrene	0.0345			
Benzo(b)fluoranthene	0.0345			
benzo(ghi)perylene	0.0345			
Benzo(k)fluoranthene	0.0345			
Chrysene	0.0345			
Dibenz(a,h)anthracene	0.0345			
Fluoranthene	0.0345			
Fluorene	0.0345			
Indeno(1,2,3-c,d)pyrene	0.0345			
Phenanthrene	0.0345			
Pyrene	0.0345			
Phenols	0.3479			
Polychlorinated Biphenyls (PCB's) USEPA Method 8082				
PCB 1016	0.0178			
PCB 1221	0.0178			
PCB 1232	0.0178			
PCB 1242	0.0178			
PCB 1248	0.0178			
PCB 1254	0.0178			
PCB 1260	0.0178			

Contaminant of Concern (COC)	Average PQL	PQL	Mean from ProUCL	Upper confidence from ProUCL
	(mg/kg)			
Total Metals USEPA Method 6010				
Calcium			4960.8	6646.0
Copper			2.77	3.58
Iron			8385.8	11711.8
Magnesium			2111.8	3124.1
Manganese			189.8	262.5
Potassium			1843.7	2262.9
Sodium			511.5	1348.1
Zinc			18.6	25.0
Arsenic			1.71	2.19
Barium			102.7	125.5
Cadmium		1.00		
Chromium			9.85	12.85
Lead			3.08	3.74
Mercury (Method 7471)		0.02		
Selenium		5.00		
Silver		1.00		
Uranium (Method 6020)	2.613			
General Chemistry				
pH			8.75	8.91
Total Dissolved Solids			2434.0	4726.5
Bicarbonate			174.6	202.3
Fluoride			4.70	6.50
Chloride			26.9	33.5
Nitrite		2.50		
Nitrate		2.50		
Phosphate		2.50		
Sulfate			197.6	920.6
Cyanide	0.261			
Radiochemical Analysis (pCi/g)				
Radium-226 & Radium-228			1.93	2.31

C. Operation and oil field waste treatment.

(1) The operator shall berm each landfarm cell to prevent rainwater run-on and run-off.

Envirotech, Inc. will construct and maintain two (2) foot berms around each landfarm cell to prevent rainwater run-on and run-off; see ***Attachment 11, Run-on and Run-off Control and Attachment 12 Best Management Practices Plan***.

(2) The operator shall not place contaminated soils received after the effective date of 19.15.36 NMAC within 100 feet of the surface waste management facility's boundary.

Berms will be constructed and flagging and signage will be used in a manner to ensure contaminated soils are setback 100 feet from the boundary of Landfarm #4.

(3) The operator shall not place contaminated soils received at a landfarm after the effective date of 19.15.36 NMAC within 20 feet of a pipeline crossing the landfarm.

Berms will be constructed and flagging and signage will be used in a manner to ensure contaminated soils are not placed within twenty (20) feet of a pipeline crossing the landfarm.

(4) With 72 hours after receipt, the operator shall spread and disk contaminated soils in eight-inch or less lifts or approximately 1000 cubic yards per eight inch lift or biopile.

Envirotech, Inc. will maintain a disking schedule to ensure contaminated soils are spread and disked in eight (8)-inch or less lifts or approximately 1000 cubic yards per eight-inch lift per acre, within seventy-two (72) hours after receiving the contaminated soils.

(5) The operator shall ensure that soils are disked biweekly and biopiles are turned at least monthly.

Envirotech, Inc. will maintain a biweekly disking schedule at Landfarm #4. Envirotech, Inc. will not use biopiles as a method of remediation at Landfarm #4.

(6) The operator shall add moisture, as necessary, to enhance bioremediation and to control blowing dust.

Envirotech, Inc. will apply water obtained from the City of Bloomfield or the Hilltop gas station, as needed, to control blowing dust and to enhance bioremediation at Landfarm #4.

(7) The application of microbes for the purposes of enhancing bioremediation requires prior division approval.

Envirotech, Inc. will not use microbes for the purposes of enhancing bioremediation at Landfarm #4. In the event microbes are determined to be necessary at any time during operations at Landfarm #4, Envirotech, Inc. will proceed with applying for approval from the division prior to use of the microbes.

(8) Pooling of liquids in the landfarm is prohibited. The operator shall remove freestanding water within 24 hours.

Any freestanding water at Landfarm #4 will be removed using a vacuum truck, within twenty-four (24) hours. The water will be disposed of at and approved and permitted disposal facility.

(9) The operator shall maintain records of the landfarm's remediation activities in a form readily accessible for division inspection.

Envirotech, Inc. will record and maintain all Landfarm #4 remediation activities at the Landfarm Administrator's Office at 5796 U.S. Highway 64, Farmington, New Mexico. These records will be available for division inspection and will be maintained for five (5) years after closure.

D. Treatment zone monitoring.

The operator shall spread contaminated soils on the surface in eight-inch or less lifts or approximately 1000 cubic yards per acre per eight-inch lift.

The operator shall conduct treatment zone monitoring to ensure that prior to adding an additional lift the TPH concentration of each lift, as determined by EPA SW-846 Method 8015M or EPA Method 418.1 or other EPA method approved by the division, does not exceed 2500 mg/kg and that the chloride concentration, as determined by EPA method 300.1, does not exceed 500 mg/kg if the landfarm is located where ground water is less than 100 feet but at least 50 feet below the lowest elevation at which the operator will place oil field waste or 1000 mg/kg if the landfarm is located where ground water is 100 feet or more below the lowest elevation at which the operator will place oil field waste. The operator shall collect and analyze at least one composite soil sample, consisting of four discrete samples, from the treatment zone at least semi-annually using the methods specified below for TPH and chlorides. The maximum thickness of treated soils in a landfarm cell shall not exceed two feet or approximately 3000 cubic yards per acre. When the thickness is reached, the operator shall not place additional oil field waste in the landfarm cell until it has demonstrated by monitoring the treatment zone at least semi-annually that the contaminated soil has been treated to the standards specified in Subsection F of 19.15.36.15 NMAC or the contaminated soils have been removed to a division-approved surface waste management facility.

Contaminated soils at Landfarm #4 will be spread on the surface in eight-inch or less lifts or approximately 1000 cubic yards per acre per eight-inch lift. Before adding additional lifts, Envirotech, Inc. will perform treatment zone monitoring to ensure that the TPH concentration, as determined by EPA SW-846 Method 8015M, of each lift does not exceed 2500 mg/kg and that the chloride concentration, as determined by EPA Method 300.1, does not exceed 1000 mg/kg.

Per drilling activities that was completed on November 19, 2014 and June 2019, after drilling to 105 feet below ground surface at the lowest elevation at which oilfield waste will be placed, no ground water was encountered. Therefore, depth to groundwater at Envirotech's Landfarm #4 is

greater than 100 feet; see ***Attachment 14, Hydro-Geological Data.*** Since groundwater is greater than 100 ft, the acceptable chloride concentration for Landfarm #4 will be 1000 mg/kg or less.

Envirotech, Inc. will collect and analyze at least one composite soil sample, consisting of four discrete samples from the treatment zone at least semi-annually. Analysis will include determining TPH levels using EPA SW-846 Method 8015M and Chloride levels using, EPA Method 300.1.

The treated soils in an individual cell in Landfarm #4, will not exceed a maximum of two (2) feet or approximately 3000 cubic yards per acre. When one of these is met, Envirotech will not place additional oil field waste in the cell until it has been demonstrated by monitoring the treatment zone at least semi-annually that the contaminated soil has been treated to the standards specified in Subsection F of 19.15.36.15 NMAC or the contaminated soils have been removed and placed in a division-approved surface waste management facility.

E. Vadose zone monitoring.

(1) Sampling. The operator shall monitor the vadose zone beneath the treatment zone in each landfarm cell. The operator shall take the vadose zone samples from soils between three and four feet below the cell's original ground surface.

Envirotech, Inc. will perform vadose zone monitoring in each cell of Landfarm #4, collecting samples from between three (3) and four (4) feet below the original ground surface as required under the semi-annual vadose zone monitoring program of Paragraph (2) of 19.15.36.15.E NMAC and/or the five year vadose zone monitoring program of Paragraph (3) of 19.15.36.15.E NMAC.

(2) Semi-annual monitoring program. The operator shall collect and analyze a minimum of four randomly selected, independent samples from the vadose zone, using the methods specified below(Paragraphs 1-4 of 19.15.36.15.F) for TPH, BTEX and chlorides and shall compare each result to the higher of the PQL or the background soil concentrations to determine whether a release has occurred.

Envirotech, Inc. will collect a minimum of four (4) randomly selected, independent samples, on a semi-annual basis from the vadose zone of Landfarm #4 cells. The samples will be analyzed for TPH using EPA SW-846 Method 8015M, for BTEX using USEPA Method 8021, and for chlorides as determined by EPA Method 300.1. Each sample result will be compared to the higher of the PQL or the background soil concentrations to determine whether a release has occurred. All semi-annual vadose zone results will be maintained in the Landfarm Administrator's Office at 5796 U.S. Highway 64, Farmington, New Mexico. These records will be available to the agency and will be maintained for at least five (5) years after closure of Landfarm #4.

(3) Five year monitoring program. The operator shall collect and analyze a minimum of four randomly selected, independent samples from the vadose zone, using the methods specified below(Subsection F Paragraph 5 of 19.15.36.15) for the constituents listed in Subsections A and

B of 20.6.2.3103 NMAC at least every five years and shall compare each result to the higher of the PQL or the background soil concentrations to determine whether a release has occurred.

Envirotech, Inc. will collect a minimum of four (4) randomly selected, independent samples from the vadose zone of Landfarm #4 cells at least every five (5) years. The samples will be analyzed for the constituents listed in Subsections A and B of 20.6.2.3103 NMAC. The concentration of these constituents will be determined by EPA SW-846 method 6010B. The sample results will be compared to the higher of the PQL or the background soil concentrations to determine whether a release has occurred. All five-year vadose zone analysis results will be maintained in the Landfarm Administrator's Office at 5796 U.S. Highway 64, Farmington, New Mexico. These records will be available to the agency and will be maintained for at least five (5) years after closure of Landfarm #4.

(4) Record keeping. The operator shall maintain a copy of the monitoring reports in a form readily accessible for division inspection.

All monitoring reports, such as the semi-annual monitoring and five year monitoring will be available for division inspection upon request. Monitoring reports will be maintained in the Landfarm Administrator's Office at 5796 U.W. Highway 64, Farmington, New Mexico, for at least five (5) years after Landfarm #4 closure.

(5) Release response. If vadose zone sampling results show that the concentrations of TPH, BTEX or chlorides exceed the higher of the PQL or the background soil concentrations, then the operator shall notify the division's environmental bureau of the exceedance, and shall immediately collect and analyze a minimum of four randomly selected independent samples for TPH, BTEX, chlorides and the constituents listed in Subsections A and B of 20.6.2.3103 NMAC. The operator shall submit the results of the re-sampling event and a response action plan for the division's approval within 45 days of the initial notification. The response action plan shall address changes in the landfarm's operation to prevent further contamination and, if necessary, a plan for remediation existing contamination.

In the event that vadose zone sampling results from show that the concentrations of TPH, BTEX, or chlorides exceed the higher of the PQL or the background soil concentrations, Envirotech, Inc. will immediately notify the division's environmental bureau of the exceedance, and immediately collect four (4) randomly selected independent samples from Landfarm #4 cells and analyze the samples for TPH, BTEX, chlorides, and the constituents listed in Subsections A and B of 20.6.2.3103 NMAC.

Upon receiving sampling results, Envirotech, Inc. will submit the results of the re-sampling including a response action plan, for the division's approval within forty-five (45) days of the initial notification. The response action plan will address changes in the landfarm's operation to prevent further contamination and, if necessary, a remediation plan for existing contamination.

F. Treatment zone closure performance standards.

After the operator has filled a landfarm cell to the maximum thickness of two feet or approximately 3000 cubic yards per acre, the operator shall continue treatment until the contaminated soil has been remediated to the higher of the background concentrations or the following closure performance standards. The operator shall demonstrate compliance with the closure performance standards by collecting and analyzing a minimum of one composite soil sample, consisting of four discrete samples.

(1) Benzene, as determined by EPA SW-846 method 8021B or 8260B, shall not exceed 0.2 mg/kg.

(2) Total BTEX, as determined by EPA SW-846 method 8021B or 8260B, shall not exceed 50 mg/kg.

(3) The GRO and DRO combined fractions, as determined by EPA SW-846 method 8015M, shall not exceed 500 mg/kg. TPH, as determined by EPA method 418.1 or other EPA method approved by the division, shall not exceed 2500 mg/kg.

(4) Chlorides, as determined by EPA method 300.1, shall not exceed 500 mg/kg if the landfarm is located where ground water is less than 100 feet but at least 50 feet below the lowest elevation at which the operator will place oil field waste or 1000 mg/kg if the landfarm is located where ground water is 100 feet or more below the lowest elevation at which the operator will place oil field waste.

(5) The concentration of constituents listed in Subsections A and B of 20.6.2.3103 NMAC shall be determined by EPA SW-846 methods 6010B or 6020 or other methods approved by the division. If the concentration of those constituents exceed the PQL or background concentration, the operator shall either perform a site specific risk assessment using EPA approved methods and shall propose closure standards based upon individual site conditions that protect fresh water, public health, safety and the environment, which shall be subject to division approval or remove pursuant to Paragraph (2) of Subsection G of 19.15.36.15 NMAC.

In order to demonstrate compliance with treatment zone closure standards, Envirotech, Inc. will collect one (1) composite sample consisting of four (4) discrete samples from the Landfarm #4 cell that has reached the maximum thickness of two feet or approximately 3000 cubic yards per acre. Envirotech, Inc. will continue treatment until the contaminated soil has been remediated to the higher of the background concentrations or the following closure performance standards.

(1) Benzene, as determined by EPA SW-846 method 8021B, shall not exceed 0.2 mg/kg.

(2) Total BTEX, as determined by EPA SW-846 method 8021B, shall not exceed 50 mg/kg.

(3) The GRO and DRO combined fractions, as determined by EPA SW-846 method 8015M, shall not exceed 500 mg/kg. TPH, as determined by EPA method 418.1, shall not exceed 2500 mg/kg.

(4) Chlorides, as determined by EPA method 300.1, shall not exceed 1000 mg/kg. Per drilling activities that was completed on November 19, 2014, after drilling to 110 feet below ground surface at the lowest elevation at which oilfield waste will be placed, no ground water was encountered. Therefore, depth to groundwater at Envirotech's Landfarm #4 is greater than 100 feet; see ***Attachment 14, Hydro-Geological Data.*** Since groundwater is greater than 100 ft, the acceptable chloride concentration for Landfarm #4 will be 1000 mg/kg or less.

(5) The concentration of constituents listed in Subsections A and B of 20.6.2.3103 NMAC shall be determined by EPA SW-846 methods 6010B. If the concentration of those constituents exceed the PQL or background concentration of Landfarm #4, Envirotech, Inc. will perform a site specific risk assessment using EPA approved methods and shall propose closure standards based upon individual site conditions to ensure the protection of fresh water, public health, safety and the environment, which shall be subject to division approval pursuant to Paragraph (2) of Subsection G of 19.15.36.15 NMAC.

G. Disposition of treated soils.

(1) If the operator achieves the closure performance standards specified in Subsection F of 19.15.36.15 NMAC, then the operator may either leave the treated soils in place or, with prior division approval, dispose or reuse of the treated soils in an alternative manner.

Upon achieving closure performance standards specified in Subsection F of 19.15.36.15 NMAC, Envirotech, Inc. will leave treated soils in place.

(2) If the operator cannot achieve the closure performance standards specified in Subsection F of 19.15.36.15 NMAC within five years or as extended by the division, then the operator shall remove contaminated soils from the landfarm cell and properly dispose of it at a division-permitted landfill, or reuse or recycle it in a manner approved by the division.

In the event Envirotech, Inc. cannot achieve the closure performance standards specified in Subsection F of 19.15.36.15 NMAC within five (5) years or as extended by the division, Envirotech, Inc. will remove contaminated soils from the landfarm cell and dispose of the soils at a division-permitted landfill, or reuse or recycle the soils in a manner approved by the division.

(3) If the operator cannot achieve the closure performance standards specified in Subsection F of 19.15.36.15 NMAC within five years or as extended by the division, then the division may review the adequacy of the operator's financial assurance, as provided in Subsection G of 19.15.36.11 NMAC. In that event, the division may require the

operator to modify its financial assurance to provide for the appropriate disposition of contaminated soil in a manner acceptable to the division.

In the event Envirotech, Inc. cannot achieve the closure performance standards specified in Subsection F of 19.15.36.15 NMAC within five (5) years or as extended by the division, Envirotech, Inc. will modify the financial assurance, if required by the division, to provide for the appropriate disposition of contaminated soil in a manner acceptable to the division.

(4) The operator may request approval of an alternative soil closure standard from the division, provided that the operator shall give division-approved public notice of an application for alternative soil closure standards in the manner provided in 19.15.36.9 NMAC. The division may grant the request administratively if no person files an objection thereto within 30 days after publication of notice; otherwise the division shall set the matter for hearing.

In the event Envirotech, Inc. cannot achieve the closure performance standards specified in Subsection F of 19.15.36.15 NMAC within five (5) years or as extended by the division, Envirotech, Inc. may request approval of an alternative soil closure standard from the division. If Envirotech, Inc. requests approval for an alternative soil closure standard, Envirotech, Inc. will give division-approved public notice in the manner provide in 19.15.36.9 NMAC.

H. Environmentally acceptable bioremediation endpoint approach.

(1) A landfarm operator may use an environmentally acceptable bioremediation endpoint approach to landfarm management in lieu of compliance with the requirements of Paragraph (3) of Subsection F of 19.15.36.15 NMAC. The bioremediation endpoint occurs when TPH, as determined by EPA method 418.1 or other EPA method approved by the division, is reduced to a minimal concentration as a result of bioremediation and is dependent upon the bioavailability of residual hydrocarbons. An environmentally acceptable bioremediation endpoint occurs when the TPH concentration has been reduced by at least 80 percent by a combination of physical, biological and chemical processes and the rate of change in the reduction in the TPH concentration is negligible. The environmentally acceptable bioremediation endpoint in soil is determined statistically by the operator's demonstration that the rate of change in the reduction of TPH concentration is negligible.

(2) In addition to the requirements specified in Subsection C of 19.15.38.8 NMAC, an operator who plans to use an environmentally acceptable bioremediation endpoint approach shall submit for the division's review and approval a detailed landfarm operation plan for those landfarm cells exclusively dedicated to the use of the environmentally acceptable bioremediation endpoint approach. At a minimum, the operations plan shall include detailed information on the native soils, procedure to characterize each lift of contaminated soil, operating procedures and management procedures that the operator shall follow.

(3) In addition to other operational requirements specified in 19.15.36.15 NMAC, the operator using an environmentally acceptable bioremediation endpoint approach shall comply with the following.

(a) Native soil information required. The operator shall submit detailed information on the soil conditions present for each of its landfarm cells immediately prior to the application of petroleum hydrocarbon contaminated soils, including: treatment cell size, soil porosity, bulk soil density, soil pH, moisture content, field capacity, organic matter concentration, soil structure, SAR, EC, soil composition, soil temperature, soil nutrient (C:N:P) (calcium, nitrogen, and phosphate) concentrations and oxygen content.

(b) Characterization of contaminated soil. The operator shall submit a description of the procedures that it will follow to characterize each lift of contaminated soil or drill cuttings, prior to treating each lift of contaminated soil or drill cuttings, for petroleum hydrocarbon loading factor, TPH, BTEX, chlorides, constituents listed in Subsections A and B of 20.6.2.3103 NMAC, contaminated soil moisture, contaminated soil pH and API gravity of the petroleum hydrocarbons.

(c) Operating procedures. The operator shall submit a description of the procedures, including a schedule that it shall follow to properly monitor and amend each list of contaminated soil in order to maximize bioremediation, including tilling procedures and schedule; procedures to limit petroleum hydrocarbon loading to less than five percent; procedures to maintain pH between six and eight; procedures to monitor and apply proper nutrients; procedures to monitor, apply and maintain moisture to 60 to 80 percent of field capacity; and procedures to monitor TPH concentrations.

(d) Management procedures. The operator shall submit a description of the management procedures that it shall follow to properly schedule landfarming operations, including modifications during cold weather, record keeping, environmentally acceptable bioremediation endpoint and closure and post closure plans.

Envirotech, Inc. will not use the "Environmentally Acceptable Bioremediation Endpoint Approach" to Landfarm #4 management. Therefore, this is not applicable.

19.15.36.17 Specific Requirements Applicable to Evaporation, Storage, Treatment and Skimmer Ponds

Envirotech, Inc. will not operate evaporation, storage, treatment, or skimmer ponds at Landfarm #4.

19.15.36.18 Closure and Post Closure

A. Surface waste management facility closure by operator.

(1) The operator shall notify the division's environmental bureau at least 60 days prior to cessation of operations at the surface waste management facility and provide a proposed schedule for closure. Upon receipt of such notice and proposed schedule, the division shall review the current closure plan for adequacy and inspect the surface waste management facility.

Envirotech, Inc. will notify the division's environmental bureau at least sixty (60) days prior to cessation of operations at Landfarm #4 and provide the division with a proposed schedule for closure.

(2) The division shall notify the operator within 60 days after the date of cessation of operations specified in the operator's closure notice of modifications of the closure plan and proposed schedule or additional requirements that it determines are necessary for the protection of fresh water, public health, safety or the environment.

Envirotech, Inc. will implement any modifications of the Landfarm #4 closure plan and proposed schedule, or implement any additional requirements that the division determines necessary for the protection of fresh water, public health, safety or the environment.

(3) If the division does not notify the operator of additional closure requirements within 60 days as provided, the operator may proceed with closure in accordance with the approved closure plan; provided that the director may, for good cause, extend the time for the division's response for an additional period not to exceed 60 days by written notice to the operator.

If Envirotech, Inc. does not receive additional closure requirements for Landfarm #4 within sixty (60) days as provided, Envirotech, Inc. will proceed with closure in accordance with the approved closure plan; unless the director extends the time for the division's response for an additional period, not to exceed sixty (60) days, by written notice to Envirotech, Inc.

(4) The operator shall be entitled to a hearing concerning a modification or additional requirements the division seeks to impose if it files an application for a hearing within 10 days after receipt of written notice of the proposed modifications or additional requirements.

In the event the division proposes a modification or additional requirement to the Landfarm #4 closure plan, Envirotech, Inc. will file an application for a hearing within ten (10) days of receipt of written notice of the proposed modifications or additional requirements, if appropriate.

(5) Closure shall proceed in accordance with the approved closure plan and schedule and modifications or additional requirements the division imposes. During closure operations the operator shall maintain the surface waste management facility to protect fresh water, public health, safety and the environment.

Envirotech, Inc. will implement Landfarm #4 closure in accordance with the approved closure plan, schedule, modifications or additional requirements the division imposes.

> *(6) Upon completion of closure, the operator shall re-vegetate the site unless the division has approved an alternative site use plan as provided in Subsection G of 19.15.36.18 NMAC. Re-vegetation, except for landfill cells, shall consist of establishment of a vegetative cover equal to 70 percent of the native perennial vegetative cover (un-impacted by overgrazing, fire or other intrusion damaging to native vegetation) or scientifically documented ecological description consisting of at least three native plant species, including at least one grass, but not including noxious weeds, and maintenance of that cover through two successive growing seasons.*

Re-vegetation at Landfarm #4 will be completed in accordance with the attached closure plan; see ***Attachment 9, Closure and Post Closure Plan***.

B. Release of financial assurance.

(1) When the division determines that closure is complete it shall release the financial assurance, except for the amount needed to maintain monitoring wells for the applicable post closure care period, to perform semi-annual analyses of such monitoring wells and to re-vegetate the site to determine that closure is complete.

(2) After the applicable post closure care period has expired, the division shall release the remainder of the financial assurance if the monitoring wells show no contamination and the re-vegetation in accordance with Paragraph (6) of Subsection A of 19.15.36.18 NMAC is successful. If monitoring wells or other monitoring or leak detection systems reveal contamination during the surface waste management facility's operation or in the applicable post closure care period following the surface waste management facility's closure the division shall not release the financial assurance until the contamination is remediated in accordance with 19.15.30 NMAC and 19.15.29 NMAC, as applicable.

(3) In any event, the division shall not finally release the financial assurance until it determines that the operator has successfully re-vegetated the site in accordance with Paragraph (6) of Subsection A of 19.15.36.18 NMAC, or, if the division has approved an alternative site use plan, until the landowner has obtained the necessary regulatory approvals.

Envirotech, Inc. will request release of financial assurance only when closure of Landfarm #4 has been completed and complies with all regulatory requirements related to the release of the reminder of the financial assurance.

C. Surface waste management facility closure initiated by the division. Forfeiture of financial assurance:

> *(1) For good cause, the division may, after notice to the operator and an opportunity for a hearing, order immediate cessation of a surface waste management facility's operation*

when it appears that cessation is necessary to protect fresh water, public health, safety or the environment, or to assure compliance with statutes or division rules and orders. The division may order closure without notice and an opportunity for hearing in the event of an emergency, subject to NMSA 1978, Section 70-2-23, as amended.

Envirotech, Inc. will comply with a division order to stop operations of Landfarm #4 to protect fresh water, public health, safety or the environment and will comply with all statutes, division rules or orders. Envirotech, Inc. also understands that the division may order closure without notice and an opportunity for a hearing in the event of an emergency subject to NMSA 1978, Section 70-2-23, as amended.

(2) If the operator refuses or is unable to conduct operations at a surface waste management facility in a manner that protects fresh water, public health, safety and the environment; refuses or is unable to conduct or complete an approved closure plan is in material breach of the term and conditions of its surface waste management facility permit; or the operator defaults on the conditions under which the division accepted the surface waste management facility's financial assurance; or if disposal operations have ceased and there has been no significant activity at the surface waste management facility for six months the division may take the following actions to forfeit all or part of the financial assurance:

a. Send written notice by certified mail, return receipt requested, to the operator and the surety, if any, informing them of the decision to close the surface waste management facility and to forfeit the financial assurance, including the reasons for forfeiture and the amount to be forfeited, and notifying the operator and surety that a hearing request or other response shall be made within 10 days of receipt of the notice; and

b. Advise the operator and surety of the conditions under which they may avoid the forfeiture; such conditions may include but are not limited to an agreement by the operator or another party to perform closure and post closure operations in accordance with the surface waste management facility permit conditions, the closure plan (including modifications or additional requirements imposed by the division) and division rules, and satisfactory demonstration that the operator or other party has the ability to perform such agreement.

Envirotech, Inc. understands that in the event that we refuse or are unable to conduct operations at Landfarm #4 in a manner that protects fresh water, public health, safety and the environment or if we refuse or are unable to conduct or complete the Closure or Post Closure Plan, Envirotech, Inc. will be in a material breach of the terms and conditions of our surface waste management facility permit for Landfarm #4 or if Envirotech, Inc. defaults on the conditions that the division accepted our financial assurance; or if operations have ceased at Landfarm #4 for six months the division may take the actions listed in Paragraph (2) a and b of Subsection C of 19.15.36.18.

(3) The division may allow a surety to perform closure if the surety can demonstrate an ability to timely complete the closure and post closure in accordance with the approved plan.

In the event Envirotech, Inc. is unable to perform closure of Landfarm #4, Envirotech, Inc.'s surety may perform the closure if they can show that they have the ability to complete in a timely manner the approved Closure and Post Closure Plan.

(4) If the operator and the surety do not respond to a notice of proposed forfeiture within the time provided, or fail to satisfy the specified conditions for nonforfeiture, the division shall proceed, after hearing if the operator or surety has timely requested a hearing, to declare the financial assurance's forfeiture. The division may then proceed to collect the forfeited amount and use the funds to complete the closure, or, at the division's election, to close the surface waste management facility and collect the forfeited amount as reimbursement.

In the event that Envirotech and the surety do not respond to a division notice of forfeiture within the time provided, the division may collect the forfeited amount from Envirotech, Inc.'s Landfarm #4 financial assurance, to complete the closure or to close the facility.

a. The division shall deposit amounts collected as a result of forfeiture of financial assurance in the oil and gas reclamation fund.

Any forfeited amounts from Envirotech's Landfarm #4 financial assurances would be deposited in the oil and gas reclamation fund.

b. In the event the amount forfeited and collected is insufficient for closure, the operator shall be liable for the deficiency. The division may complete or authorize completion of closure and post closure and may recover from the operator reasonably incurred costs of closure and forfeiture in excess of the amount collected pursuant to the forfeiture.

Envirotech, Inc. would be liable for the difference between the amount forfeited and the amount needed to complete the closure at Landfarm #4. The division would recover from Envirotech, Inc. those reasonably incurred costs of closure in excess of the amount collected pursuant to the forfeiture.

c. In the event the amount collected pursuant to the forfeiture was more than the amount necessary to complete closure, including remediation costs, and forfeiture costs, the division shall return the excess to the operator or surety, as applicable, reserving such amount as may be reasonably necessary for post closure monitoring and re-vegetation in accordance with Paragraph (6) of Subsection A of 19.15.36.18 NMAC. The division shall return excess of the amount retained over the actual costs of post closure monitoring and re-vegetation to the operator or surety at the later of the conclusion of the applicable post closure period or

when the site re-vegetation in accordance with Paragraph (6) of Subsection A of 19.15.36.18 NMAC is successful.

The division would return to Envirotech, Inc. or its surety the amount collected pursuant to the forfeiture that was more than the amount needed to complete the Landfarm #4 closure, which would include remediation and forfeiture costs. The division would reserve an amount that would be reasonably necessary for any post closure monitoring and re-vegetation. When the applicable post closure period or when the site has been re-vegetated in accordance with Paragraph (6) of Subsection A of 19.15.36.18 NMAC is complete and successful the division would return to Envirotech, Inc. or its surety the excess amount that was retained over the actual cost of post closure monitoring and re-vegetation.

(5) If the operator abandons the surface waste management facility or cannot fulfill the conditions and obligations of the surface waste management facility permit or division rules, the state of New Mexico, its agencies, officers, employees, agents, contractors and other entities designated by the state shall have all rights of entry into, over and upon the surface waste management facility property, including all necessary and convenient rights of ingress and egress with all materials and equipment to conduct operation, termination and closure of the surface waste management facility, including but not limited to the temporary storage of equipment and materials, the right to borrow or dispose of materials and all other rights necessary for the surface waste management facility's operation, termination and closure in accordance with the surface waste management facility permit and to conduct a post closure monitoring.

The state of New Mexico, its agencies, officers, employees, agents, contractors and other entities designated by the state shall have all rights of entry into, over and upon Envirotech, Inc.'s Landfarm #4, including all necessary and convenient rights of ingress and egress with all materials and equipment to conduct operation, termination and closure of Landfarm #4, including but not limited to the temporary storage of equipment and materials, the right to borrow or dispose of materials and all other rights necessary for Landfarm #4's operation, termination and closure in accordance with Landfarm #4's permit and to conduct post closure monitoring in the event that Envirotech were to abandon Landfarm #4 or could not fulfill the conditions and obligations of their surface waste management facility permit or division rules.

D. Surface waste management facility and cell closure and post closure standards. The following minimum standards shall apply to closure and post closure of the installations indicated, whether the entire surface waste management facility is being closed or only a part of the surface waste management facility.

Paragraphs 1 through 3 of Subsection D of 19.15.36.18 NMAC do not apply.

(4) Landfarm closure. The operator shall ensure that:

a. Disking and addition of bioremediation enhancing materials continues until soils within the cells are remediated to the standards provided in Subsection F of 19.15.36.15 NMAC, or as otherwise approved by the division;

Envirotech, Inc. will maintain a schedule and a procedure to ensure disking occurs at least once every two (2) weeks during remediation activities until the cells are remediated to the standards provided in Subsection F of 19.15.36.15 NMAC, or as otherwise approved by the division.

b. Soils remediated to the foregoing standards and left in place are re-vegetated in accordance with Paragraph (6) of Subsection A of 19.15.36.18 NMAC;

Re-vegetation will be completed at Landfarm #4 only after soils have been remediated to the standards provided in Subsection F of 19.15.36.15 NMAC or as otherwise approved by the division. Re-vegetation of Landfarm #4 will then take place in accordance with Paragraph (6) of Subsection A of 19.15.36.18 NMAC.

c. Landfarm soils that have not been or cannot be remediated to the standards in Subsection F of 19.15.36.15 NMAC are removed to a division-approved surface waste management facility and the landfarm remediation area is filled in with native soil and re-vegetated in accordance with Paragraph (6) of Subsection A of 19.15.36.18 NMAC;

In the event soils or a portion of the soils in Landfarm #4 have not been or cannot be remediated to the standards in Subsection F of 19.15.36.15 NMAC, the soils not meeting remediation standards will be removed and placed in a division-approved surface waste management facility. The remediation area will then be backfilled with native soils and re-contoured. The area(s) will then be re-vegetated in accordance with ***Attachment 9, Closure and Post Closure Plan***.

d. If treated soils are removed, the cell is filled in with native soils and re-vegetated in accordance with Paragraph (6) of Subsection A of 19.15.36.18 NMAC;

If treated soils are removed from Landfarm #4, the remediation area will be backfilled with native soils, re-contoured and re-vegetated in accordance with ***Attachment 9, Closure and Post Closure Plan***.

e. Berms are removed;

Upon closure of Landfarm #4 or any part of Landfarm #4, berms will be removed and the applicable portion(s) of the site will be re-contoured. The area(s) will then be re-vegetated in accordance with ***Attachment 9, Closure and Post Closure Plan***.

f. Buildings, fences, roads and equipment are removed, the site cleaned up and tests conducted on the soils for contamination;

Upon closure of Landfarm #4 or any part of Landfarm #4, buildings, fences, roads, and equipment will be removed and the applicable portion(s) of the site will be sampled for contamination, re-contoured and re-vegetated in accordance with ***Attachment 9, Closure and Post Closure Plan***.

> *g. Annual reports of vadose zone and treatment zone sampling are submitted to the division's environmental bureau until the division has approved the surface waste management facility's final closure; and*

Envirotech, Inc. will provide annual reports of vadose zone and treatment zone sampling to the division's environmental bureau until the division has approved the final closure of Landfarm #4.

> *h. For an operator who chooses to use the landfarm methods specified in Subsection H of 19.15.36.15 NMAC, that the soil has an ECs of less than or equal to 4.0 mmhos/cm (dS/m) and a SAR of less than or equal to 13.0.*

Envirotech, Inc. will not use the Environmentally Acceptable Bioremediation Endpoint Approach at Landfarm #4.

E. Pond and pit closure.

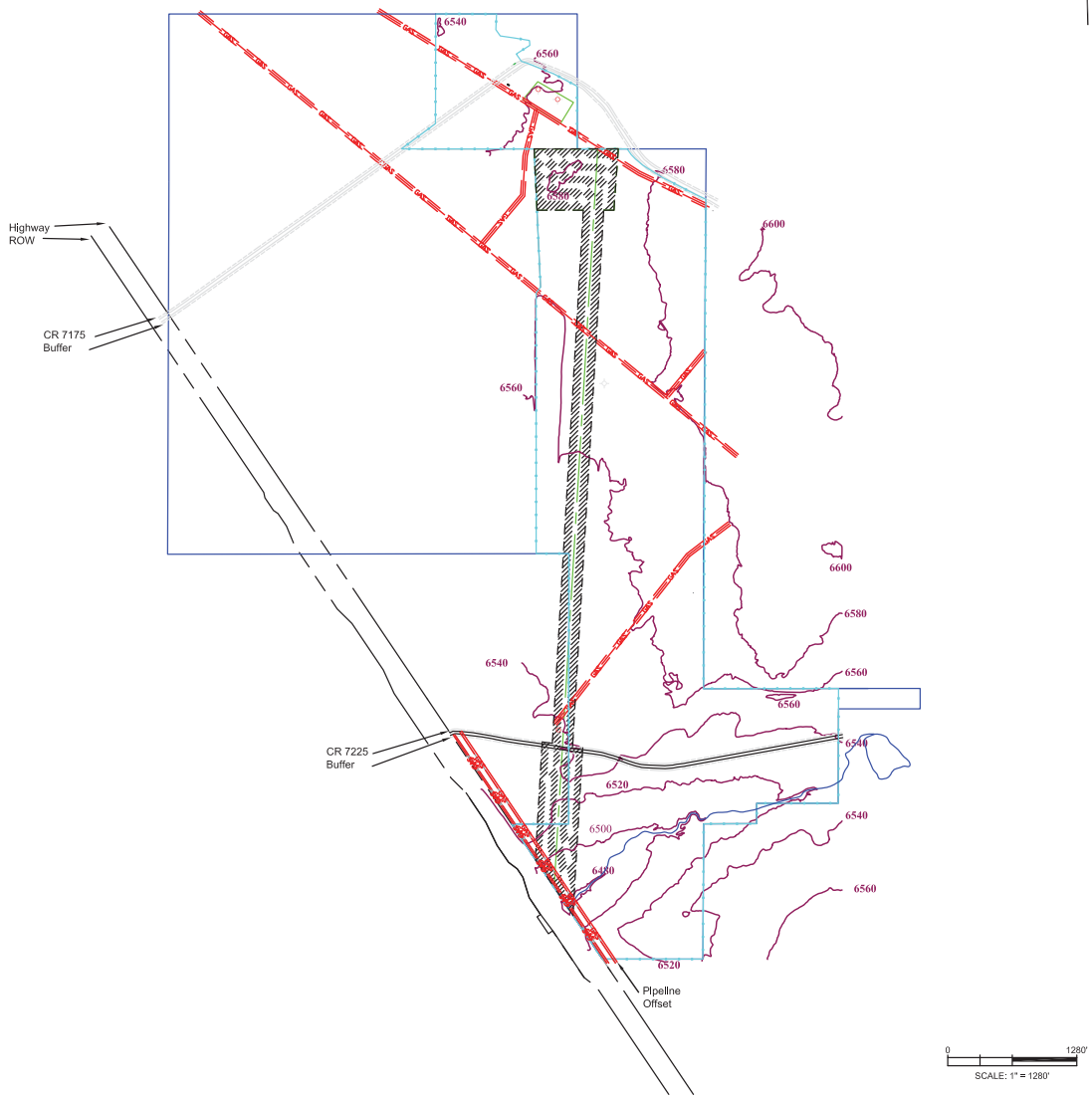
Envirotech, Inc. will not operate ponds or pits at Landfarm #4.

F. Landfarm and pond and pit post closure. The post-closure care period for a landfarm or pond or pit shall be three years if the operator has achieved clean closure. During that period the operator or other responsible entity shall regularly inspect and maintain required re-vegetation. If there has been a release to the vadose zone or to ground water, then the operator shall comply with the applicable requirements of 19.15.30 NMAC and 19.15.29 NMAC.

When Envirotech has achieved clean closure for Landfarm #4 they will begin the post-closure care period which shall last for three (3) years. Envirotech will regularly inspect and maintain the required re-vegetation. Envirotech will comply with the applicable requirements of 19.15.30 NMAC and 19.15.29 NMAC in the event of a release to the vadose zone or to ground water.

G. Alternatives to re-vegetation. If the landowner contemplates use of the land where a cell or surface waste management facility is located for purposes inconsistent with re-vegetation, the landowner may, with division approval, implement an alternative surface treatment appropriate for the contemplated use, provided that the alternative treatment will effectively prevent erosion. If the division approves an alternative to re-vegetation; it shall not release the portion of the operator's financial assurance reserved for post-closure until the landowner has obtained necessary regulatory approvals and begun implementation of such alternative use.

In the event Envirotech, Inc. determines an alternative post closure use of the Landfarm #4 or any part of Landfarm #4 for purposes inconsistent with re-vegetation, Envirotech, Inc. may request division approval to implement an alternative surface treatment appropriate for the alternative post closure use and will ensure that the alternative treatment will effectively prevent erosion.



Facility Boundary

Contour Line

Archeological Buffer

Surveyed Property Line

GAS Gas Line w/ Buffer

P&A Gas Well

Active Gas Well

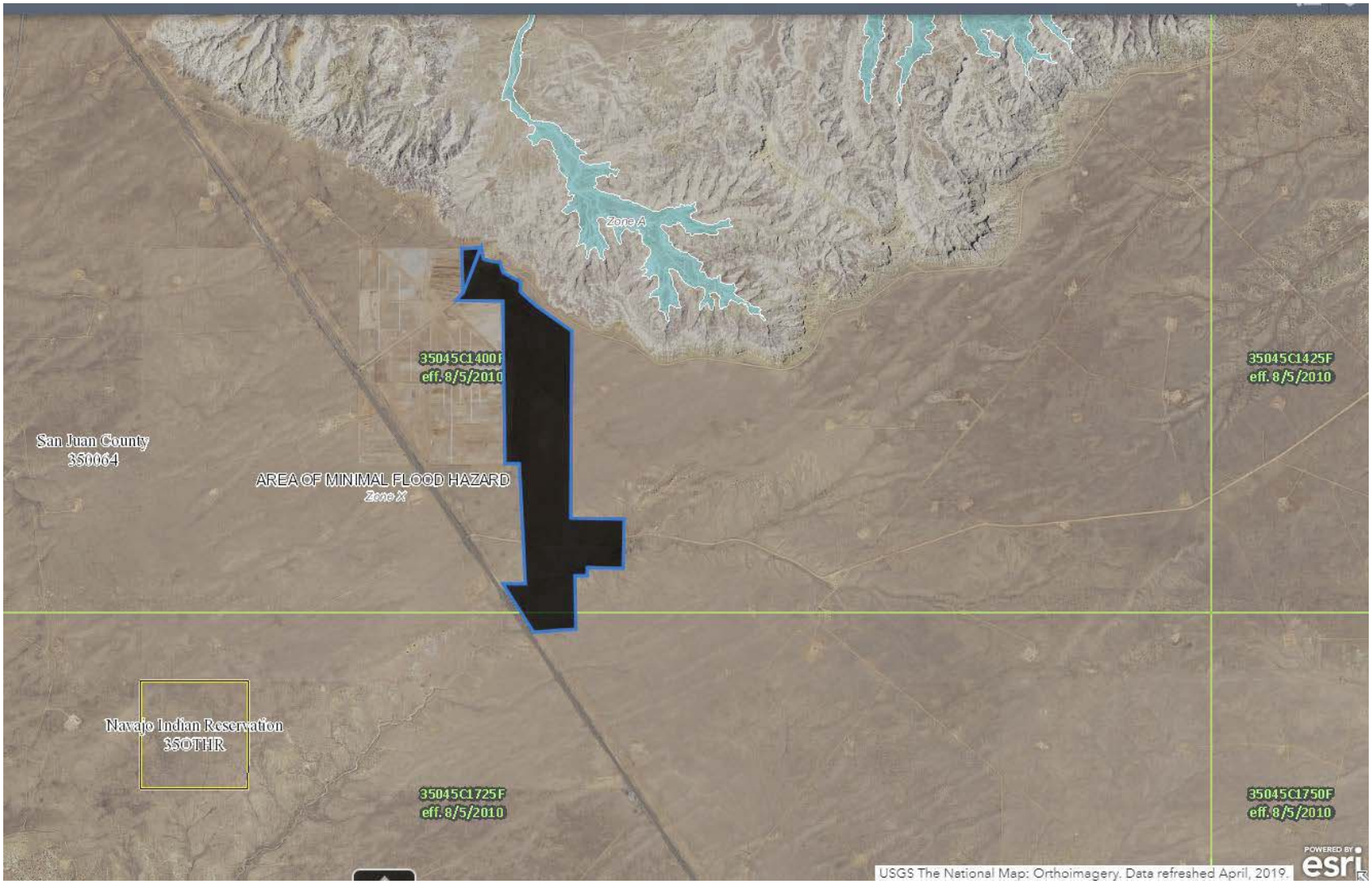
FIGURE 6A
TOPO Map
LANDFARM #4 PERMIT

SCALE1" = 1280'					
PROJECT NO.Landfarm 4					
MAP DRWN	GWC		BASE DRWN		

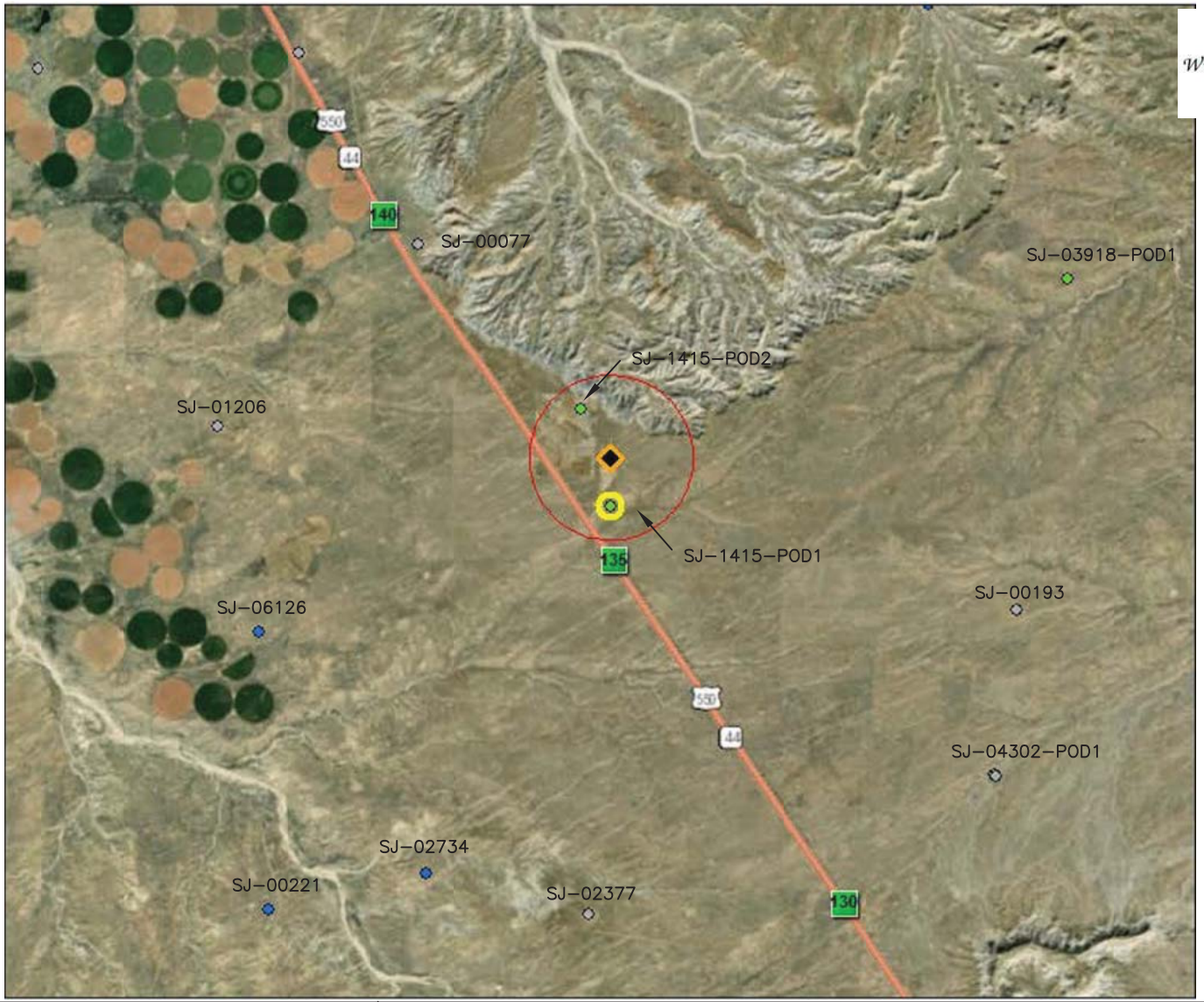
envirotech

5796 U.S. HIGHWAY 64, FARMINGTON, NM 87401 505-632-0615

Figure 6B: FEMA Flood Plain Map



Credit: https://hazards-fema.maps.arcgis.com/apps/webappviewer/index.html?id=8b0adb51996444d4879338b5529aa9cd&extent=-108.06812410644517,36.676817756667134,-107.90195589355477,36.74562465627465



LEGEND

- HWY 550 Mile Markers
- 1 Mile Buffer
- Active Water Wells
- Pending Permits
- Other

NM_STATE_ENGINEER_WATER_WELLS

ENVIROTECH

LANDFARM_4

HILLTOP,NM

Facility Number: LF4

FIGURE NUMBER: FIGURE_6C

PROJECT NUMBER: LANDAFRM_4

MAP SCALE: 1"= _

WORKPLAN ID: N/A

DELIVERABLE ID: N/A

MAP DRAWN: GWC 6/12/19

REVISIONS

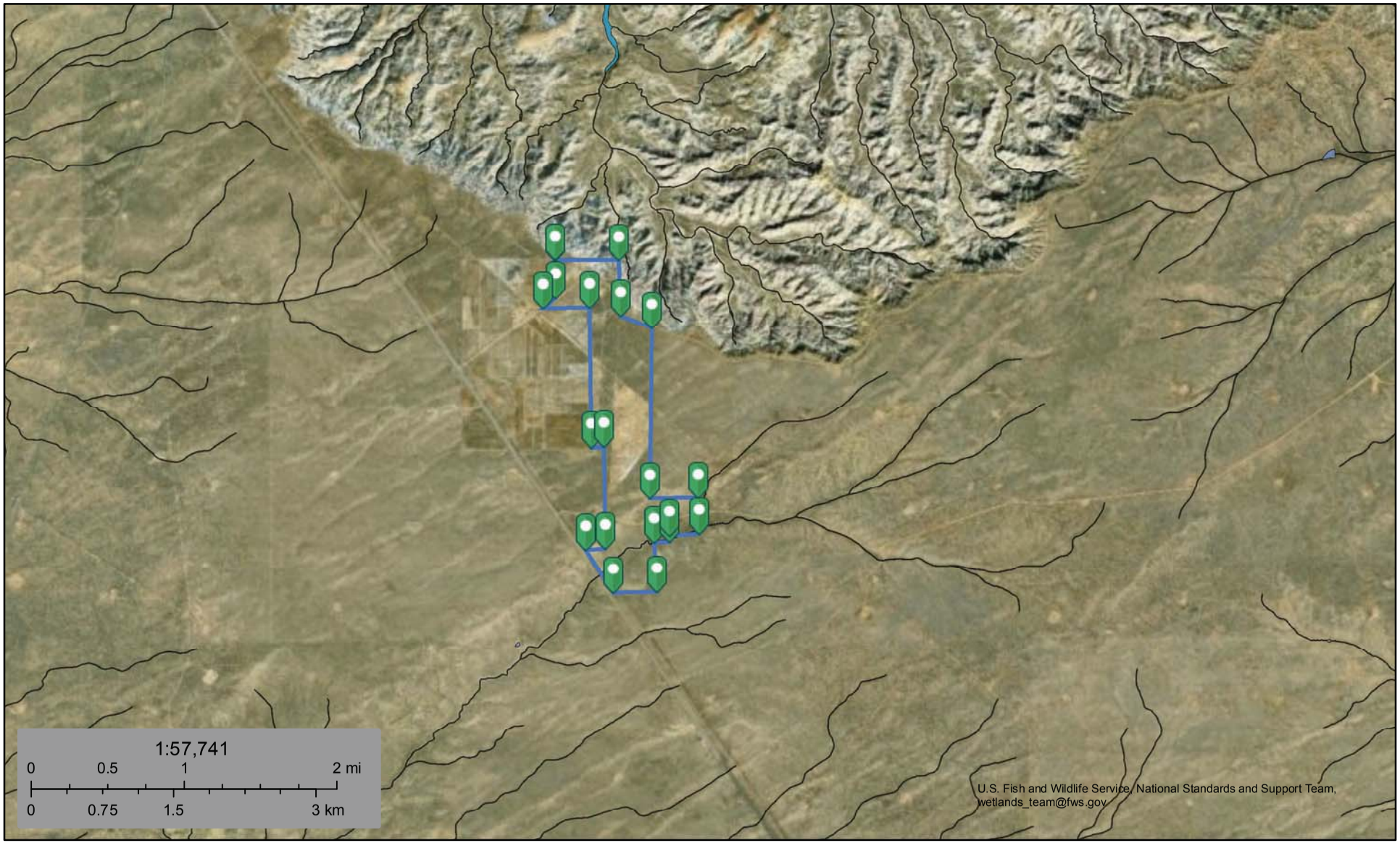
NO.	DATE	BY	DESCRIPTION
1			//
2			//
3			//

envirotech
ENVIRONMENTAL SCIENTISTS & ENGINEERS

5796 U.S. HIGHWAY 64
Farmington, New Mexico 87401
505.632.0615

U.S. Fish and Wildlife Service
National Wetlands Inventory

Figure 6D: Wetlands Map



June 21, 2019

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

APPROVED JURISDICTIONAL DETERMINATION FORM
U.S. Army Corps of Engineers

This form should be completed by following the instructions provided in Section IV of the JD Form Instructional Guidebook.

SECTION I: BACKGROUND INFORMATION

A. REPORT COMPLETION DATE FOR APPROVED JURISDICTIONAL DETERMINATION (JD): October 11, 2018

B. DISTRICT OFFICE, FILE NAME, AND NUMBER: Albuquerque District, JD NMOCD Landfarm, SPA-2018-00251

C. PROJECT LOCATION AND BACKGROUND INFORMATION:

State: **New Mexico** County/parish/borough: **San Juan County** City: **Bloomfield**
Center coordinates of site (lat/long in degree decimal format): Lat. **36.5°**, Long. **-107.933°**
Universal Transverse Mercator: **13 237300.58 4043409.61**
Name of nearest waterbody: **Gallegos Canyon**
Name of nearest Traditional Navigable Water (TNW) into which the aquatic resource flows: **San Juan River**
Name of watershed or Hydrologic Unit Code (HUC): **Upper San Juan, 14080101**
☒ Check if map/diagram of review area and/or potential jurisdictional areas is/are available upon request.
☐ Check if other sites (e.g., offsite mitigation sites, disposal sites, etc…) are associated with this action and are recorded on a different JD form:

D. REVIEW PERFORMED FOR SITE EVALUATION (CHECK ALL THAT APPLY):
☒ Office (Desk) Determination. Date: **10/4/2018**
☒ Field Determination. Date(s): **10/4/2018**

SECTION II: SUMMARY OF FINDINGS

A. RHA SECTION 10 DETERMINATION OF JURISDICTION.

There **Are no** "*navigable waters of the U.S.*" within Rivers and Harbors Act (RHA) jurisdiction (as defined by 33 CFR part 329) in the review area. [*Required*]
☐ Waters subject to the ebb and flow of the tide.
☐ Waters are presently used, or have been used in the past, or may be susceptible for use to transport interstate or foreign commerce.
Explain:

B. CWA SECTION 404 DETERMINATION OF JURISDICTION.

There **Are** "*waters of the U.S.*" within Clean Water Act (CWA) jurisdiction (as defined by 33 CFR part 328) in the review area. [*Required*]

1. **Waters of the U.S.**
   a. **Indicate presence of waters of U.S. in review area (check all that apply):** [1]
      ☐ TNWs, including territorial seas
      ☐ Wetlands adjacent to TNWs
      ☒ Relatively permanent waters[2] (RPWs) that flow directly or indirectly into TNWs
      ☐ Non-RPWs that flow directly or indirectly into TNWs
      ☐ Wetlands directly abutting RPWs that flow directly or indirectly into TNWs
      ☐ Wetlands adjacent to but not directly abutting RPWs that flow directly or indirectly into TNWs
      ☐ Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs
      ☐ Impoundments of jurisdictional waters
      ☐ Isolated (interstate or intrastate) waters, including isolated wetlands

   b. **Identify (estimate) size of waters of the U.S. in the review area:**
      Non-wetland waters: **4000** linear feet, **12 ft** wide, and/or **1.1** acres.
      Wetlands: **0** acres.

   c. **Limits (boundaries) of jurisdiction** based on: **Established by OHWM.**
      Elevation of established OHWM (if known):

2. **Non-regulated waters/wetlands (check if applicable):**[3]
   ☐ Potentially jurisdictional waters and/or wetlands were assessed within the review area and determined to be not jurisdictional.
   Explain: **NA**

SECTION III: CWA ANALYSIS

A. TNWs AND WETLANDS ADJACENT TO TNWs

[1] Boxes checked below shall be supported by completing the appropriate sections in Section III below.
[2] For purposes of this form, an RPW is defined as a tributary that is not a TNW and that typically flows year-round or has continuous flow at least "seasonally" (e.g., typically 3 months).
[3] Supporting documentation is presented in Section III.F.

The agencies will assert jurisdiction over TNWs and wetlands adjacent to TNWs. If the aquatic resource is a TNW, complete Section III.A.1 and Section III.D.1. only; if the aquatic resource is a wetland adjacent to a TNW, complete Sections III.A.1 and 2 and Section III.D.1.; otherwise, see Section III.B below.

1. **TNW**
   Identify TNW: **NA**

   Summarize rationale supporting determination:

2. **Wetland adjacent to TNW**
   Summarize rationale supporting conclusion that wetland is "adjacent": **NA**

B. CHARACTERISTICS OF TRIBUTARY (THAT IS NOT A TNW) AND ITS ADJACENT WETLANDS (IF ANY):

This section summarizes information regarding characteristics of the tributary and its adjacent wetlands, if any, and it helps determine whether or not the standards for jurisdiction established under *Rapanos* have been met.

The agencies will assert jurisdiction over non-navigable tributaries of TNWs where the tributaries are "relatively permanent waters" (RPWs), i.e. tributaries that typically flow year-round or have continuous flow at least seasonally (e.g., typically 3 months). A wetland that directly abuts an RPW is also jurisdictional. If the aquatic resource is not a TNW, but has year-round (perennial) flow, skip to Section III.D.2. If the aquatic resource is a wetland directly abutting a tributary with perennial flow, skip to Section III.D.4.

A wetland that is adjacent to but that does not directly abut an RPW requires a significant nexus evaluation. Corps districts and EPA regions will include in the record any available information that documents the existence of a significant nexus between a relatively permanent tributary that is not perennial (and its adjacent wetlands if any) and a traditional navigable water, even though a significant nexus finding is not required as a matter of law.

If the waterbody[4] is not an RPW, or a wetland directly abutting an RPW, a JD will require additional data to determine if the waterbody has a significant nexus with a TNW. If the tributary has adjacent wetlands, the significant nexus evaluation must consider the tributary in combination with all of its adjacent wetlands. This significant nexus evaluation that combines, for analytical purposes, the tributary and all of its adjacent wetlands is used whether the review area identified in the JD request is the tributary, or its adjacent wetlands, or both. If the JD covers a tributary with adjacent wetlands, complete Section III.B.1 for the tributary, Section III.B.2 for any onsite wetlands, and Section III.B.3 for all wetlands adjacent to that tributary, both onsite and offsite. The determination whether a significant nexus exists is determined in Section III.C below.

1. **Characteristics of non-TNWs that flow directly or indirectly into TNW**

   (i) General Area Conditions:
   Watershed size: **3.41 square miles**
   Drainage area: **3.41 square miles**
   Average annual rainfall: **10.8** inches
   Average annual snowfall: **9.0** inches

   (ii) Physical Characteristics:
   (a) Relationship with TNW:
   ☐ Tributary flows directly into TNW.
   ☒ Tributary flows through **1** tributaries before entering TNW.

   Project waters are **25-30** river miles from TNW.
   Project waters are **1 (or less)** river miles from RPW.
   Project waters are **15-20** aerial (straight) miles from TNW.
   Project waters are **1 (or less)** aerial (straight) miles from RPW.
   Project waters cross or serve as state boundaries. Explain:

   Identify flow route to TNW[5]: **The unnamed relatively permanent water in the project area south of County Road 7225 flows east to west under Highway 550. It then flows to the SW for approximately 5 miles before entering Gallegos Canyon, which then flows north for approximately 20 miles before draining into the San Juan River; a traditional navigable water.**
   Tributary stream order, if known: **1**

   (b) General Tributary Characteristics (check all that apply):

[4] Note that the Instructional Guidebook contains additional information regarding swales, ditches, washes, and erosional features generally and in the arid West.
[5] Flow route can be described by identifying, e.g., tributary a, which flows through the review area, to flow into tributary b, which then flows into TNW.

Tributary is: ☒ Natural
☐ Artificial (man-made). Explain:
☐ Manipulated (man-altered). Explain:

Tributary properties with respect to top of bank (estimate):
Average width: **8** feet
Average depth: **2** feet
Average side slopes: **3:1 .**

Primary tributary substrate composition (check all that apply):
☒ Silts ☒ Sands ☐ Concrete
☐ Cobbles ☐ Gravel ☐ Muck
☐ Bedrock ☐ Vegetation. Type/% cover:
☐ Other. Explain:

Tributary condition/stability [e.g., highly eroding, sloughing banks]. Explain: **Eroding banks resulting from sandy soils and livestock impacts.**
Presence of run/riffle/pool complexes. Explain: **NA**
Tributary geometry: **Meandering**
Tributary gradient (approximate average slope): **1-2** %

(c) Flow:
Tributary provides for: **Seasonal flow**
Estimate average number of flow events in review area/year: **11-20**
Describe flow regime: **Vigorous riparian vegetation is present along the channel, NHD data describes the channel as an intermittent stream, and verbal communication with grazing permittee identified the channel as source of water for livestock indicating seasonal flow.**
Other information on duration and volume:

Surface flow is: **Confined.** Characteristics: **It is an established channel in an active grazing allotment with some agricultural structures adjacent to the waterway.**

Subsurface flow: **Unknown**. Explain findings: **NA**
☐ Dye (or other) test performed:

Tributary has (check all that apply):
☒ Bed and banks
☒ OHWM[6] (check all indicators that apply):
☒ clear, natural line impressed on the bank ☒ the presence of litter and debris
☒ changes in the character of soil ☒ destruction of terrestrial vegetation
☒ shelving ☐ the presence of wrack line
☒ vegetation matted down, bent, or absent ☒ sediment sorting
☒ leaf litter disturbed or washed away ☒ scour
☒ sediment deposition ☐ multiple observed or predicted flow events
☐ water staining ☒ abrupt change in plant community
☐ other (list):
☐ Discontinuous OHWM.[7] Explain:

If factors other than the OHWM were used to determine lateral extent of CWA jurisdiction (check all that apply):
☐ High Tide Line indicated by: ☐ Mean High Water Mark indicated by:
☐ oil or scum line along shore objects ☐ survey to available datum;
☐ fine shell or debris deposits (foreshore) ☐ physical markings;
☐ physical markings/characteristics ☐ vegetation lines/changes in vegetation types.
☐ tidal gauges
☐ other (list):

(iii) Chemical Characteristics:
Characterize tributary (e.g., water color is clear, discolored, oily film; water quality; general watershed characteristics, etc.).
Explain: **Area is part of a grazing allotment and livestock have access to the channel. Animal waste was present along the channel and the allotment permittee uses the flowpath to transport livestock under Highway 550. Numerous dirt roads are present on the allotment and sediment is likely entering the channel and impacting water quality.**

[6]A natural or man-made discontinuity in the OHWM does not necessarily sever jurisdiction (e.g., where the stream temporarily flows underground, or where the OHWM has been removed by development or agricultural practices). Where there is a break in the OHWM that is unrelated to the waterbody's flow regime (e.g., flow over a rock outcrop or through a culvert), the agencies will look for indicators of flow above and below the break.
[7]Ibid.

Identify specific pollutants, if known:

(iv) Biological Characteristics. Channel supports (check all that apply):

☒ Riparian corridor. Characteristics (type, average width): **Willows (Salix spp.) and salt cedar (Tamarix spp.) are present along the channel with width of approximately 5-10 feet.**

☐ Wetland fringe. Characteristics: **NA**

☐ Habitat for:

- ☐ Federally Listed species. Explain findings: **NA**
- ☐ Fish/spawn areas. Explain findings: **NA**
- ☐ Other environmentally-sensitive species. Explain findings: **NA**
- ☐ Aquatic/wildlife diversity. Explain findings: **NA**

2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW

(i) Physical Characteristics:

(a) General Wetland Characteristics:

Properties:

Wetland size: **NA** acres

Wetland type. Explain: **NA**

Wetland quality. Explain: **NA**

Project wetlands cross or serve as state boundaries. Explain: **NA**

(b) General Flow Relationship with Non-TNW:

Flow is: **Pick List**. Explain: **NA**

Surface flow is**: Pick List**

Characteristics: **NA**

Subsurface flow: **Pick List**. Explain findings: **NA**

☐ Dye (or other) test performed: **NA**

(c) Wetland Adjacency Determination with Non-TNW:

☐ Directly abutting

☐ Not directly abutting

- ☐ Discrete wetland hydrologic connection. Explain: **NA**
- ☐ Ecological connection. Explain: **NA**
- ☐ Separated by berm/barrier. Explain: **NA**

(d) Proximity (Relationship) to TNW

Project wetlands are **Pick List** river miles from TNW.

Project waters are **Pick List** aerial (straight) miles from TNW.

Flow is from: **Pick List.**

Estimate approximate location of wetland as within the **Pick List** floodplain.

(ii) Chemical Characteristics:

Characterize wetland system (e.g., water color is clear, brown, oil film on surface; water quality; general watershed characteristics; etc.). Explain: **NA**

Identify specific pollutants, if known: **NA**

(iii) Biological Characteristics. Wetland supports (check all that apply):

☐ Riparian buffer. Characteristics (type, average width):

☐ Vegetation type/percent cover. Explain: **NA**

☐ Habitat for:

- ☐ Federally Listed species. Explain findings: **NA**
- ☐ Fish/spawn areas. Explain findings: **NA**
- ☐ Other environmentally-sensitive species. Explain findings: **NA**
- ☐ Aquatic/wildlife diversity. Explain findings: **NA**

3. Characteristics of all wetlands adjacent to the tributary (if any)

All wetland(s) being considered in the cumulative analysis: **Pick List**

Approximately **0** acres in total are being considered in the cumulative analysis.

For each wetland, specify the following:

Directly abuts? (Y/N)	Size (in acres)	Directly abuts? (Y/N)	Size (in acres)

Summarize overall biological, chemical and physical functions being performed:

C. SIGNIFICANT NEXUS DETERMINATION

A significant nexus analysis will assess the flow characteristics and functions of the tributary itself and the functions performed by any wetlands adjacent to the tributary to determine if they significantly affect the chemical, physical, and biological integrity of a TNW. For each of the following situations, a significant nexus exists if the tributary, in combination with all of its adjacent wetlands, has more than a speculative or insubstantial effect on the chemical, physical and/or biological integrity of a TNW. Considerations when evaluating significant nexus include, but are not limited to the volume, duration, and frequency of the flow of water in the tributary and its proximity to a TNW, and the functions performed by the tributary and all its adjacent wetlands. It is not appropriate to determine significant nexus based solely on any specific threshold of distance (e.g. between a tributary and its adjacent wetland or between a tributary and the TNW). Similarly, the fact an adjacent wetland lies within or outside of a floodplain is not solely determinative of significant nexus.

Draw connections between the features documented and the effects on the TNW, as identified in the *Rapanos* Guidance and discussed in the Instructional Guidebook. Factors to consider include, for example:

- Does the tributary, in combination with its adjacent wetlands (if any), have the capacity to carry pollutants or flood waters to TNWs, or to reduce the amount of pollutants or flood waters reaching a TNW?
- Does the tributary, in combination with its adjacent wetlands (if any), provide habitat and lifecycle support functions for fish and other species, such as feeding, nesting, spawning, or rearing young for species that are present in the TNW?
- Does the tributary, in combination with its adjacent wetlands (if any), have the capacity to transfer nutrients and organic carbon that support downstream foodwebs?
- Does the tributary, in combination with its adjacent wetlands (if any), have other relationships to the physical, chemical, or biological integrity of the TNW?

Note: the above list of considerations is not inclusive and other functions observed or known to occur should be documented below:

1. **Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirectly into TNWs.** Explain findings of presence or absence of significant nexus below, based on the tributary itself, then go to Section III.D:

2. **Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly or indirectly into TNWs.** Explain findings of presence or absence of significant nexus below, based on the tributary in combination with all of its adjacent wetlands, then go to Section III.D:

3. **Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW.** Explain findings of presence or absence of significant nexus below, based on the tributary in combination with all of its adjacent wetlands, then go to Section III.D:

D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE (CHECK ALL THAT APPLY):

1. **TNWs and Adjacent Wetlands.** Check all that apply and provide size estimates in review area:
   - ☐ TNWs: linear feet, wide, Or acres.
   - ☐ Wetlands adjacent to TNWs: acres.

2. **RPWs that flow directly or indirectly into TNWs.**
   - ☐ Tributaries of TNWs where tributaries typically flow year-round are jurisdictional. Provide data and rationale indicating that tributary is perennial:
   - ☒ Tributaries of TNW where tributaries have continuous flow "seasonally" (e.g., typically three months each year) are jurisdictional. Data supporting this conclusion is provided at Section III.B. Provide rationale indicating that tributary flows seasonally: **Healthy riparian vegetation is present along the channel and extends outwards for approximately 5-10 feet from the channel, data from the National Hydrography Dataset describes the channel as an intermittent stream, and verbal communication with grazing permittee identified the channel as source of water for livestock indicating seasonal flow. A clear and continuous OHWM was present throughout the reach in question indicating the channel receives flow seasonally.**

   Provide estimates for jurisdictional waters in the review area (check all that apply):
   - ☒ Tributary waters: **4000** linear feet **12** wide.
   - ☐ Other non-wetland waters: **0** acres.
     Identify type(s) of waters:

3. **Non-RPWs[8] that flow directly or indirectly into TNWs.**
☐ Waterbody that is not a TNW or an RPW, but flows directly or indirectly into a TNW, and it has a significant nexus with a TNW is jurisdictional. Data supporting this conclusion is provided at Section III.C.

Provide estimates for jurisdictional waters within the review area (check all that apply):
☐ Tributary waters: linear feet, wide.
☐ Other non-wetland waters: acres.
Identify type(s) of waters:

4. **Wetlands directly abutting an RPW that flow directly or indirectly into TNWs.**
☐ Wetlands directly abut RPW and thus are jurisdictional as adjacent wetlands.
☐ Wetlands directly abutting an RPW where tributaries typically flow year-round. Provide data and rationale indicating that tributary is perennial in Section III.D.2, above. Provide rationale indicating that wetland is directly abutting an RPW:

☐ Wetlands directly abutting an RPW where tributaries typically flow "seasonally." Provide data indicating that tributary is seasonal in Section III.B and rationale in Section III.D.2, above. Provide rationale indicating that wetland is directly abutting an RPW:

Provide acreage estimates for jurisdictional wetlands in the review area: acres.

5. **Wetlands adjacent to but not directly abutting an RPW that flow directly or indirectly into TNWs.**
☐ Wetlands that do not directly abut an RPW, but when considered in combination with the tributary to which they are adjacent and with similarly situated adjacent wetlands, have a significant nexus with a TNW are jurisidictional. Data supporting this conclusion is provided at Section III.C.

Provide acreage estimates for jurisdictional wetlands in the review area: acres.

6. **Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.**
☐ Wetlands adjacent to such waters, and have when considered in combination with the tributary to which they are adjacent and with similarly situated adjacent wetlands, have a significant nexus with a TNW are jurisdictional. Data supporting this conclusion is provided at Section III.C.

Provide estimates for jurisdictional wetlands in the review area: acres.

7. **Impoundments of jurisdictional waters.[9]**
As a general rule, the impoundment of a jurisdictional tributary remains jurisdictional.
☐ Demonstrate that impoundment was created from "waters of the U.S.," or
☐ Demonstrate that water meets the criteria for one of the categories presented above (1-6), or
☐ Demonstrate that water is isolated with a nexus to commerce (see E below).

E. ISOLATED [INTERSTATE OR INTRA-STATE] WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE, INCLUDING ANY SUCH WATERS (CHECK ALL THAT APPLY):[10]
☐ which are or could be used by interstate or foreign travelers for recreational or other purposes.
☐ from which fish or shellfish are or could be taken and sold in interstate or foreign commerce.
☐ which are or could be used for industrial purposes by industries in interstate commerce.
☐ Interstate isolated waters. Explain:
☐ Other factors. Explain:

Identify water body and summarize rationale supporting determination:

Provide estimates for jurisdictional waters in the review area (check all that apply):
☐ Tributary waters: linear feet, wide.
☐ Other non-wetland waters: acres.
Identify type(s) of waters:
☐ Wetlands: acres.

[8]See Footnote # 3.
[9] To complete the analysis refer to the key in Section III.D.6 of the Instructional Guidebook.
[10] Prior to asserting or declining CWA jurisdiction based solely on this category, Corps Districts will elevate the action to Corps and EPA HQ for review consistent with the process described in the Corps/EPA *Memorandum Regarding CWA Act Jurisdiction Following Rapanos.*

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS (CHECK ALL THAT APPLY):

☐ If potential wetlands were assessed within the review area, these areas did not meet the criteria in the 1987 Corps of Engineers Wetland Delineation Manual and/or appropriate Regional Supplements.

☐ Review area included isolated waters with no substantial nexus to interstate (or foreign) commerce.

☐ Prior to the Jan 2001 Supreme Court decision in "*SWANCC*," the review area would have been regulated based solely on the "Migratory Bird Rule" (MBR).

☐ Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction. Explain:

☐ Other: (explain, if not covered above):

Provide acreage estimates for non-jurisdictional waters in the review area, where the sole potential basis of jurisdiction is the MBR factors (i.e., presence of migratory birds, presence of endangered species, use of water for irrigated agriculture), using best professional judgment (check all that apply):

☐ Non-wetland waters (i.e., rivers, streams): linear feet, wide.

☐ Lakes/ponds: acres.

☐ Other non-wetland waters: acres. List type of aquatic resource:

☐ Wetlands: acres.

Provide acreage estimates for non-jurisdictional waters in the review area that do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction (check all that apply):

☐ Non-wetland waters (i.e., rivers, streams): linear feet, wide.

☐ Lakes/ponds: acres.

☐ Other non-wetland waters: acres. List type of aquatic resource:

☐ Wetlands: acres.

SECTION IV: DATA SOURCES.

A. SUPPORTING DATA. Data reviewed for JD (check all that apply - checked items shall be included in case file and, where checked and requested, appropriately reference sources below):

☒ Maps, plans, plots or plat submitted by or on behalf of the applicant/consultant:

☐ Data sheets prepared/submitted by or on behalf of the applicant/consultant.

☐ Office concurs with data sheets/delineation report.

☐ Office does not concur with data sheets/delineation report.

☐ Data sheets prepared by the Corps:

☐ Corps navigable waters' study:

☒ U.S. Geological Survey Hydrologic Atlas:

☒ USGS NHD data.

☐ USGS 8 and 12 digit HUC maps.

☒ U.S. Geological Survey map(s). Cite scale & quad name: **1:24K; Huerfano Trading Post NW**

☒ USDA Natural Resources Conservation Service Soil Survey. Citation: **WEB SOIL SURVEY location**

☒ National wetlands inventory map(s). Cite name: **1:24K; Huerfano Trading Post NW**

☐ State/Local wetland inventory map(s):

☐ FEMA/FIRM maps:

☐ 100-year Floodplain Elevation is: (National Geodectic Vertical Datum of 1929)

☒ Photographs: ☒ Aerial (Name & Date): **Digital Globe (10/4/2018) and Google Earth (10/4/2018)**
or ☒ Other (Name & Date): **Applicant submitted**

☐ Previous determination(s). File no. and date of response letter:

☐ Applicable/supporting case law:

☒ Applicable/supporting scientific literature: **EPA publication, The Ecological and Hydrological Significance of Ephemeral and Intermittent Streams in the Arid and Semi-arid American Southwest.**

☒ Other information (please specify): **USGS STREAMSTATS**

B. ADDITIONAL COMMENTS TO SUPPORT JD:

In the project area south of County Road 7225 where an unnamed intermittent tributary flows east to west south of the proposed project location. This channel flows to the SW for approximately 5 miles before entering Gallegos Canyon, which then flows north for about 20 miles before draining into the San Juan River. At the project site the unnamed intermittent channel contains an identifiable Ordinary High Water Mark with bed and banks, scour holes, litter displacement, and riparian vegetation (willows and saltcedar) was also present along the banks.

DRY LAND APPROVED JURISDICTIONAL DETERMINATION FORM[1]
U.S. Army Corps of Engineers

This form should be completed by following the instructions provided in Section IV of the JD Form Instructional Guidebook.

SECTION I: BACKGROUND INFORMATION

A. REPORT COMPLETION DATE FOR APPROVED JURISDICTIONAL DETERMINATION (JD): October 10, 2018

B. DISTRICT OFFICE, FILE NAME, AND NUMBER: Albuquerque District, JD NMOCD Landfarm, SPA-2018-00251

C. PROJECT LOCATION AND BACKGROUND INFORMATION:

State: NM County/parish/borough: San Juan County City: Bloomfield
Center coordinates of site (lat/long in degree decimal format): Lat. 36.5 °, Long. -107.933°
Universal Transverse Mercator: 237300.58 W, 4043409.61 N, Zone 13
Name of nearest waterbody: Alamo Wash
Name of watershed or Hydrologic Unit Code (HUC): Upper San Juan 14080101

☑ Check if map/diagram of review area is available upon request.

☐ Check if other sites (e.g., offsite mitigation sites, disposal sites, etc…) are associated with this action and are recorded on a different JD form.

D. REVIEW PERFORMED FOR SITE EVALUATION (CHECK ALL THAT APPLY):

☑ Office (Desk) Determination. Date: October 4, 2018

☑ Field Determination. Date(s): October 4, 2018

SECTION II: SUMMARY OF FINDINGS

A. RHA SECTION 10 DETERMINATION OF JURISDICTION.

There **are no** "*navigable waters of the U.S.*" within Rivers and Harbors Act (RHA) jurisdiction (as defined by 33 CFR part 329) in the review area.

B. CWA SECTION 404 DETERMINATION OF JURISDICTION.

There **are no** "*waters of the U.S.*" within Clean Water Act (CWA) jurisdiction (as defined by 33 CFR part 328) in the review area.

SECTION III: DATA SOURCES.

A. SUPPORTING DATA. Data reviewed for JD (check all that apply - checked items shall be included in case file and, where checked and requested, appropriately reference sources below):

- ☑ Maps, plans, plots or plat submitted by or on behalf of the applicant/consultant:Greg Crabtree October 4, 2018
- ☐ Data sheets prepared/submitted by or on behalf of the applicant/consultant.
  - ☐ Office concurs with data sheets/delineation report.
  - ☐ Office does not concur with data sheets/delineation report.
- ☐ Data sheets prepared by the Corps:
- ☑ U.S. Geological Survey Hydrologic Atlas: Upper Colorado Region
  - ☑ USGS NHD data.
  - ☐ USGS 8 and 12 digit HUC maps.
- ☑ U.S. Geological Survey map(s). Cite scale & quad name: 1:24K; Huerfano Trading Post NW
- ☐ USDA Natural Resources Conservation Service Soil Survey. Citation:
- ☑ National wetlands inventory map(s). Cite name: Huerfano Trading Post NW
- ☐ State/Local wetland inventory map(s):
- ☐ FEMA/FIRM maps:
- ☐ 100-year Floodplain Elevation is: (National Geodectic Vertical Datum of 1929)
- ☑ Photographs: ☑ Aerial (Name & Date): Google Earth 10/4/2018
  - ☐ or ☑ Other (Name & Date): Site visit 10/4/2018
- ☐ Previous determination(s). File no. and date of response letter:
- ☐ Applicable/supporting case law:
- ☐ Applicable/supporting scientific literature:
- ☑ Other information (please specify): USGS StreamStats

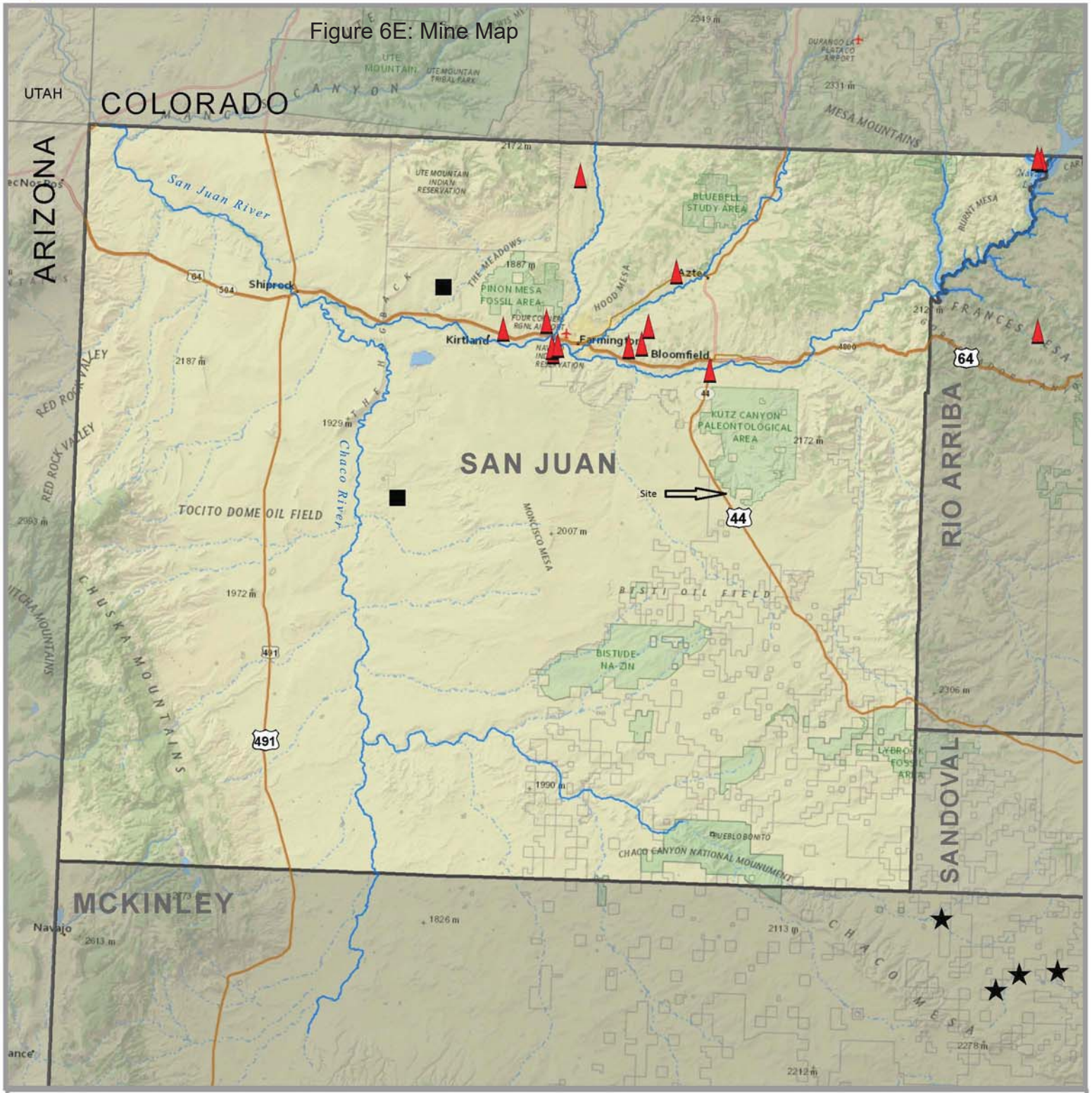
B. REQUIRED ADDITIONAL COMMENTS TO SUPPORT JD. EXPLAIN RATIONALE FOR DETERMINATION THAT THE REVIEW AREA ONLY INCLUDES DRY LAND: The area in question is located north of County Road 7225 and is currently an active grazing allotment on BLM land. The U.S. Fish and Wildlife National Wetland Inventory portrays the area as having a riverine feature that is draining a swale, flowing through a culvert and under CR 7225 before entering a stock pond located on an unnamed intermittent channel on the opposite side of CR 7225. The swale does not contain bed or bank or an identifiable Ordinary High Water Mark, is vegetated throughout the area by upland species such as sagebrush (Artemisia tridentate) and any flow from the hillside is captured by the dirt roads that cover the allotment.

[1] This form is for use only in recording approved JDs involving dry land. It extracts the relevant elements of the longer approved JD form in use since 2007 for aquatic areas and adds no new fields.

There is some evidence of flow moving down the dirt road that makes its way through the swale (wheel ruts, erosion adjacent to the road), but the area consists of upland vegetation and dry sandy soils.

Active Mines in San Juan County, New Mexico, December 2017

Figure 6E: Mine Map



Metals

Coal
Potash
Copper / Molybdenum
Gold & Silver
Iron
Uranium

Industrial Minerals

Calcite
Gemstone
Gypsum
Humate
Perlite
Pumice
Salt
Silica / Flux / Silver
Zeolites

Aggregate & Stone

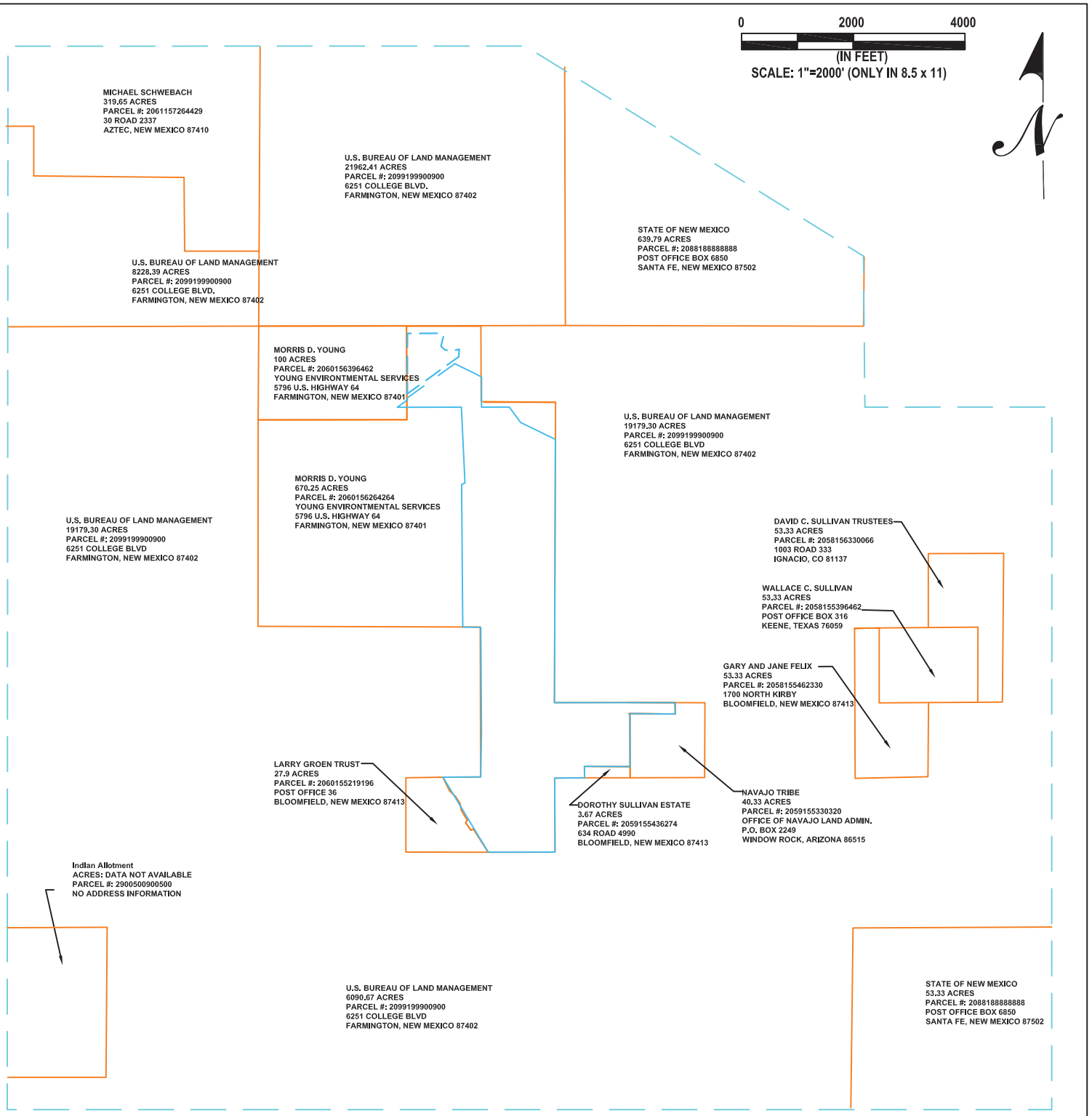
Aggregate
Caliche
Clay & Shale
Dimension & Flagstone
Limestone
Red Dog
Scoria
Travertine

NAD 83 UTM NM Zone13

N
W
E
S

0 5 10 20
Miles

Data: November 2018 database query, Mining & Minerals Division, Mine Registration, Reporting & Safeguarding Program.
Basemap: Esri National Geographic. Map: Linda S. DeLay, GISP



KEY

- ONE MILE BOUNDARY
- PARCEL LINES
- SURVEYED LANDFARM #4 BOUNDARY

ATTACHMENT 3 FIGURE 1
PARCEL MAP
LANDFARM #4 PERMIT

DRWN BY: GWC	DATE DRWN:6/19	PROJECT NO:----

envirotech
5796 U.S. HIGHWAY 64, FARMINGTON, NM 87401 505-632-0615

Initial Background Sampling and Analysis

Prepared for:
State of New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505
(505) 476-3490

Submitted By:
Envirotech, Inc.
5796 U.S. Highway 64
Farmington, New Mexico 87401
(505) 632-0615

April 2019

INITIAL BACKGROUND TESTING
ENVIROTECH LANDFARM #2 AND PROPOSED LANDFARM #4
SAN JUAN COUNTY, NEW MEXICO

TABLE OF CONTENTS

envirotech

Practical Solutions for a Better Tomorrow

Introduction

Envirotech, Inc. (Envirotech) has completed the background sampling and analysis for the New Mexico Oil Conservation Division (NMOCD) permitted Landfarm #2 (Permit No. NM-01-0011) and the proposed Landfarm #4. Sampling and analysis activities were conducted in accordance with the background sampling plan dated September 24, 2015, and approved by NMOCD in correspondence dated February 25, 2016. Envirotech is proposing to utilize the applicable background concentrations of subject analytes to update the existing background data for Landfarm #2 and the proposed Landfarm #4 permit. Locations of the subject facilities are illustrated ***Figure 1: Vicinity Map.***

Objective

Background data from soil sampling and analysis presented in this report will be utilized for the following:

- To satisfy all applicable requirements of *19.15.36.15 (B) NMAC (Specific Requirements Applicable to Landfarms)* for proposed Landfarm #4, and
- Update background data for comparative analysis for applicable permit samples (*Vadose Zone and Cell Closure*) associated with Envirotech's existing Landfarm #2.

Background Sampling and Laboratory Analysis

The proposed Landfarm #4 extents were divided into 10-acre sections (Areas 1 through 12), as defined in 19.15.36.7(B)(6) NMAC. Envirotech collected composite soil samples for laboratory analysis from non-disturbed/native soils within each section for a total of 12 soil samples. Portions of the proposed Landfarm #4 have previously been disturbed as a source for fill dirt; therefore, background soil samples were not collected from this area.

Soil Boring Locations

Soil boring and subsequent soil sample locations were recorded using a Delorme PN-60, a hand-held Global Positioning System (GPS) unit. Latitude and longitude readings for each boring are provided in ***Appendix A: Field Notes*** and are illustrated on ***Figure 2: Landfarm Background Soil Sampling Locations***.

Sample Collection

A total of 16 soil borings were advanced to a total depth of 36-inches, using a hand auger, in each of the 12 sections. Discrete soil samples from each boring were collected from the terminal depth and combined in a stainless-steel pan. A soil sample from the stainless-steel pan was then collected into individual laboratory provided 4-ounce jars, capped head space free, and transported on ice to Envirotech's National Environmental Laboratory Accreditation Program (NELAP) certified analytical laboratory located in Farmington, New Mexico.

All sampling equipment was thoroughly decontaminated between uses with a fresh water wash with Alconox and fresh water rinse followed by a second rinse using deionized water.

Laboratory Analysis and Results

For ease of reference, the analytes and test methods for each soil sample are listed in ***Table 1, Analytes and Test Methods***. The laboratory analytical results are summarized in ***Table 2, Summary of Soil Analytical Results*** and ***Appendix B: Laboratory Analytical Reports.***

Statistical Analysis

To conduct the statistical analysis for background level determinations, Envirotech utilized statistical software provided by United States Environmental Protection Agency's (USEPA), *ProUCL 5.1.00 for Environmental Applications for Data Sets With and Without Non-Detect Observations (ProUCL).*

To calculate average concentrations for the analytes listed in ***Table 1*** the data was input into *ProUCL* in the specified format which included the non-detect data as well as the detected results. The non-detect data was input as the detection limit specified by the applicable analytical laboratory results. Any soil sample analytical results that reported concentrations of subject analytes as all non-detect were not entered into the software.

Envirotech utilized the statistical guidance document published by the USEPA as a tool for performing the statistical analysis of the data. The following sections describes the statistical analysis performed on each constituent and the results are summarized in ***Table 3, Summary of Statistical Analysis.***

ProUCL Software Analysis

The first step for the statistical analysis was to determine if any of the data points in the sample results were considered outliers utilizing the ProUCL Dixons Outlier Test. Only outliers that were identified at the 1% significance level were removed from the data sets. Based on the output data from *ProUCL* the following outliers were removed, and those values were not included in any further statistical analysis for that constituent see ***Appendix C: Pro UCL Output.***

Sample Identification	Constituent	Laboratory Analytical Result
Area 5	Bicarbonate	550 mg/kg
Area 4	Nitrate	7.74 mg/kg
	Sulfate	2,460 mg/kg
Area 9	Chloride	124 mg/kg

Statistical Analysis Constituent Details

The following section discusses the statistical analysis performed on each constituent using the parameters and procedures set forth in the *ProUCL* software.

Calcium

For calcium, all 12 samples were included in the statistical analysis. No outliers were identified. The data appeared to follow a normal distribution. Based on the statistical analysis performed the mean was calculated at 4,960.8 mg/kg and upper confidence interval was calculated at 6,646.0 mg/kg.

Copper

For copper, there were four (4) detects and eight (8) non-detects. The analytical laboratory reported the non-detect value at 2.00 mg/kg. There were no outliers detected in the data set. Based on the statistical analysis performed the mean was calculated at 2.77 mg/kg and upper confidence interval was calculated at 3.58 mg/kg.

Iron

For iron, all 12 samples were included in the statistical analysis. No outliers were identified. Based on the statistical analysis performed the mean was calculated at 8,385.8 mg/kg and upper confidence interval was calculated at 11,711.8 mg/kg.

Magnesium

For magnesium, all 12 samples were included in the statistical analysis. No outliers were identified. Based on the statistical analysis performed the mean was calculated at 2,111.8 mg/kg and upper confidence interval was calculated at 3,124.1 mg/kg.

Manganese

For manganese, all 12 samples were included in the statistical analysis. No outliers were identified. Based on the statistical analysis performed the mean was calculated at 189.8 mg/kg and upper confidence interval was calculated at 262.5 mg/kg.

Potassium

For potassium, all 12 samples were included in the statistical analysis. No outliers were identified. The data appeared to follow a normal distribution. Based on the statistical analysis performed the mean was calculated at 1,843.7 mg/kg and upper confidence interval was calculated at 2,262.9 mg/kg.

Sodium

For sodium, there were ten (10) detects and two (2) non-detects. No outliers were identified. Based on the statistical analysis performed the mean was calculated at 511.5 mg/kg and upper confidence interval was calculated at 1,348.1 mg/kg.

Zinc

For zinc, all 12 samples were included in the statistical analysis. No outliers were identified. Based on the statistical analysis performed the mean was calculated at 18.6 mg/kg and upper confidence interval was calculated at 25.0 mg/kg.

Arsenic

For arsenic, there were ten (10) detects and two (2) non-detects. No outliers were identified. Based on the statistical analysis performed the mean was calculated at 1.71 mg/kg and upper confidence interval was calculated at 2.19 mg/kg.

Barium

For barium, all 12 samples were included in the statistical analysis. No outliers were identified. Based on the statistical analysis performed the mean was calculated at 102.7 mg/kg and upper confidence interval was calculated at 125.5 mg/kg.

Chromium

For chromium, there were ten (10) detects and two (2) non-detects. No outliers were identified. Based on the statistical analysis performed the mean was calculated at 9.85 mg/kg and upper confidence interval was calculated at 12.85 mg/kg.

Lead

For lead, all 12 samples were included in the statistical analysis. No outliers were identified. Based on the statistical analysis performed the mean was calculated at 3.08 mg/kg and upper confidence interval was calculated at 3.74 mg/kg.

pH

For pH, all 12 samples were included in the statistical analysis. No outliers were identified. The data appeared to follow a normal distribution. Based on the statistical analysis performed the mean was calculated at 8.75 units and upper confidence interval was calculated at 8.91 units.

Total Dissolved Solids

For Total Dissolved Solids (TDS), all 12 samples were included in the statistical analysis. No outliers were identified. Based on the statistical analysis performed the mean was calculated at 2,424.0 mg/kg and upper confidence interval was calculated at 4,726.5 mg/kg.

Bicarbonate

For bicarbonate, 11 out of the 12 samples were used in the data set. One (1) outlier was identified and removed from the statistical analysis. The data appeared to follow a normal distribution. Based on the statistical analysis performed the mean was calculated at 174.6 mg/kg and upper confidence interval was calculated at 202.3 mg/kg.

Fluoride

For fluoride, there were nine (9) detects and three (3) non-detects. No outliers were identified. Based on the statistical analysis performed the mean was calculated at 4.70 mg/kg and upper confidence interval was calculated at 6.50 mg/kg.

Chloride

For chloride, there were four (4) detects and seven (7) non-detects. One (1) outlier was identified and removed from the data set. Based on the statistical analysis performed the mean was calculated at 26.9 mg/kg and upper confidence interval was calculated at 33.5 mg/kg.

Sulfate

For sulfate, there were seven (7) detects and four (4) non-detects. One (1) outlier was identified and removed from the data set. Based on the statistical analysis performed the mean was calculated at 197.6 mg/kg and upper confidence interval was calculated at 920.6 mg/kg.

Radium

For radium, all 12 samples were included in the statistical analysis. No outliers were identified. The data appeared to follow a normal distribution. Based on the statistical analysis performed the mean was calculated at 1.93 pCi/g and upper confidence interval was calculated at 2.31 pCi/g.

Non-Detect Data

Any soil sample analytical results that reported concentrations of subject analytes as all non-detect, the reporting limit will be utilized for comparison of all future vadose zone testing. The following compounds were below detection limits for all 12 samples collected.

Gasoline Range Organics(C6-C10)
Diesel Range Organics(C10-C28)
Oil Range Organics(C28-C40)

Benzene	Toluene	Ethylbenzene
Xylene	Naphthalene	Methylnaphthalene Isomers
Carbon Tetrachloride	1,2-dichloroethane	1,1-dichloroethylene
1,1,2,2-tetrachloroethylene	1,1,2-trichloroethylene	Methylene chloride
Chloroform	1,1-dichloroethane	Ethylene dibromide

1,1,1-trichloroethane	1,1,2-trichloroethane	1,1,2,2-tetrachloroethane
Vinyl chloride	Acenaphthene	Acenaphthylene
Anthracene	Benzo(a)anthracene	Benzo(a)pyrene
Benzo(b)fluoranthene	Benzo(ghi)perylene	Benzo(k)fluoranthene
Chrysene	Dibenz(a,h)anthracene	Fluoranthene
Fluorene	Indeno(1,2,3-c, d)pyrene	Phenanthrene Pyrene
Phenols	PCBs	Nitrate

For the above listed constituents, the Average of the Practical Quantitation Limit (PQL) also referred to as the Minimum Detection Level (MDL) will be utilized for determination if a release has occurred.

Conclusions

Background samples were collected from undisturbed areas within the boundary of the future Landfarm #4 area. Statistical analysis was performed on these samples by utilizing a statistical analysis software called *ProUCL*. Average background concentrations for each analyte was calculated as well as an upper confidence interval and the maximum observed value to compare against all future vadose zone samples collected from Landfarm #4. These values will also be used as background levels for Envirotech's current Landfarm #2 (Permit #NM 01-0011).

In the case where the maximum values were not excluded as outliers, either the maximum observed value or the upper confidence interval (whichever is greater) will be used as the value to determine if a release has occurred.

FIGURES

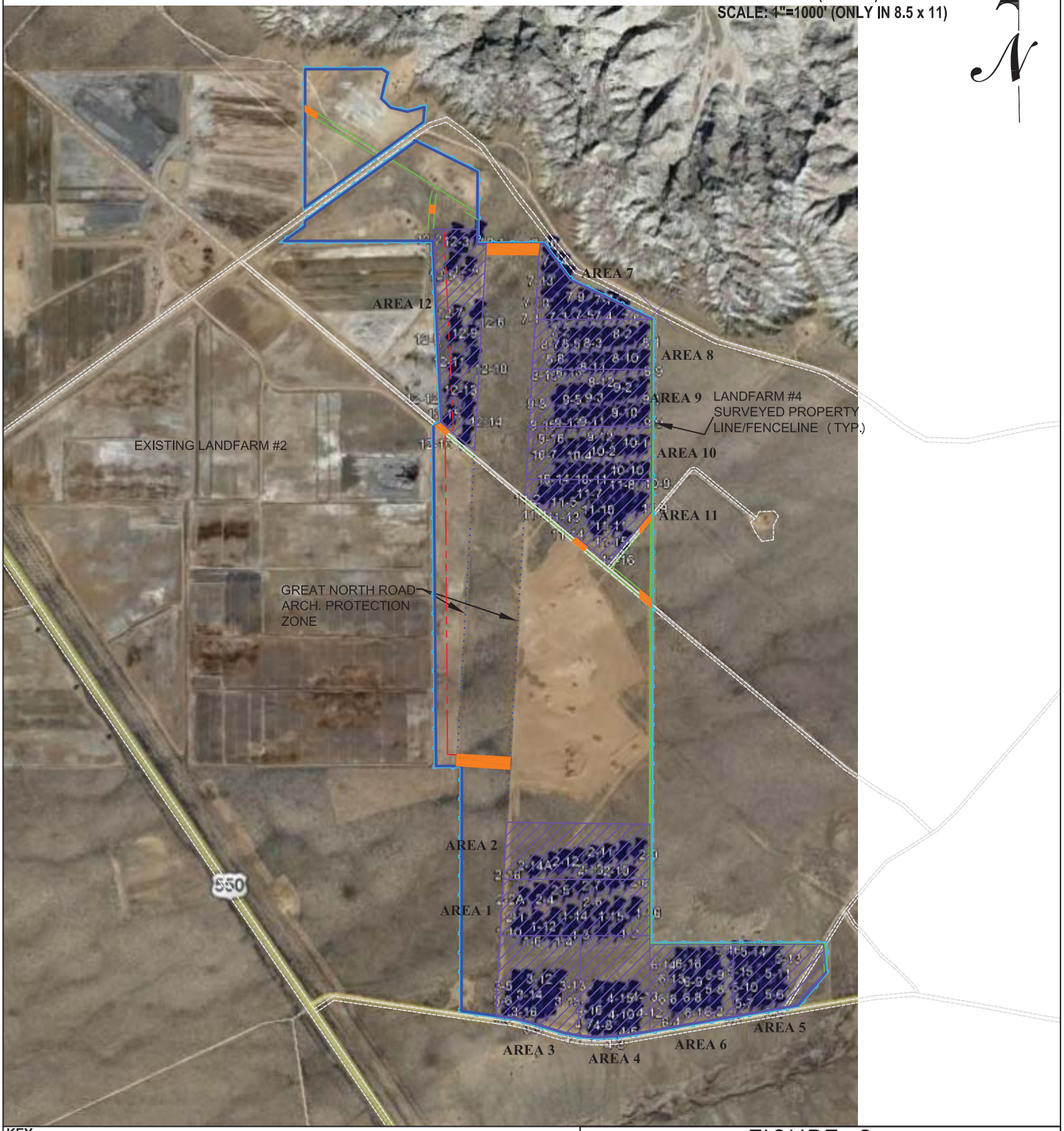
KEY

- 3 FOOT PERIMETER BERM & SWALE COMBINATION
- 3 FOOT PERIMETER BERM ONLY
- 2 FOOT PIPELINE BERM
- 2 FOOT LANDFARM CELLS BERM
- 3 FOOT GREAT NORTH ROAD ARCH BERM
- SURVEYED LANDFARM #4 BOUNDARY/FENCELINE
- EXISTING EDGE OF ROAD

FIGURE 1
Vicinity Map

DRWN BY: gwc	DATE DRWN:4/19	PROJECT NO:----

envirotech
5796 U.S. HIGHWAY 64, FARMINGTON, NM 87401 505-632-0615



KEY

- 3 FOOT PERIMETER BERM & SWALE COMBINATION
- 3 FOOT PERIMETER BERM ONLY
- 2 FOOT PIPELINE BERM
- 2 FOOT LANDFARM CELLS BERM
- 3 FOOT GREAT NORTH ROAD ARCH BERM
- SURVEYED LANDFARM #4 BOUNDARY/FENCELINE
- EXISTING EDGE OF ROAD
- 100 FOOT BUFFER
- BERM CROSSINGS
- APPROX BACKGROUND SAMPLE LOCATIONS
- BACKGROUND SAMPLE GRIDS

FIGURE 2
Sampling Location Map
Initial Background Sampling and Analysis

DRWN BY: gwc	DATE DRWN:4/19	PROJECT NO:----

envirotech
5796 U.S. HIGHWAY 64, FARMINGTON, NM 87401 505-632-0615

TABLES

Table 1: Analyte and Test Methods

Analyte	Method
TPH	8015D (C_6 – C_{36})
Benzene	8021B
Toluene	8021B
Ethylbenzene	8021B
Total Xylenes	8021B
Arsenic (As)	6010C
Barium (Ba)	6010C
Cadmium (Cd)	6010C
Calcium (Ca)	6010C
Chloride (Cl)	300.0
Chromium (Cr)	6010C
Copper (Cu)	6010C
Cyanide (CN)	9012B
Fluoride (F)	300.0
Lead (Pb)	6010C
Total Mercury (Hg)	7471B
Magnesium (Mg)	6010C
Nitrate (NO_3 as N)	300.0
Nitrite	300.0
Phosphate (PO_4)	300.0
Potassium (K)	6010C
Selenium (Se)	6010C
Silver (Ag)	6010C
Sodium (Na)	6010C
Sulfate (SO_4)	300.0
Uranium (U)	6020
Radioactivity: Combined Radium-226 & Radium-228	901.1
Polychlorinated biphenyls (PCB's)	8082
Carbon Tetrachloride	8260B
1,2-dichloroethane (EDC)	8260B
1,1-dichloroethylene (1,1-DCE)	8260B
1,1,2,2-tetrachloroethylene (PCE)	8260B
1,1,2-trichloroethylene (TCE)	8260B
methylene chloride	8260B
chloroform	8260B
1,1-dichloroethane	8260B
ethylene dibromide (EDB)	8260B
1,1,1-trichloroethane	8260B
1,1,2-trichloroethane	8260B
1,1,2,2-tetrachloroethane	8260B
vinyl chloride	8260B
PAHs:total naphthalene plus monomethylnaphthalenes	8021B
benzo-a-pyrene	8270C
Iron (Fe)	6010C
Manganese (Mn)	6010C
Phenols	8270C
Total Dissolved Solids (TDS)	160.1/2540C
Zinc (Zn)	6010C
pH	9040C/4500H

Table 2: Summary Soil of Analytical Results

Analyte of Interest	Area #1	Area #2	Area #3	Area #4	Area #5	Area #6	Area #7	Area #8	Area #9	Area #10	Area #11	Area #12
	(mg/kg)											
Total Petroleum Hydrocarbons (TPH) USEPA Method 8015												
Gasoline Range Organics (C6-C10)	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0
Diesel Range Organics C10-C28)	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Oil Range Organics (C28-C40+)	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0
Volatile Organic Compounds (VOC) USEPA Method 8021												
Benzene	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100
Toluene	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100
Ethylbenzene	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100
Total Xylene	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100
Naphthalene	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
1-Methylnaphthalene	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
2-Methylnaphthalene	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
Volatile Organic Compounds (VOC) USEPA Method 8260												
Carbon Tetrachloride	<0.102	<0.102	<0.103	<0.112	<0.106	<0.109	<0.103	<0.103	<0.107	<0.103	<0.102	<0.102
1,2-dichloroethane	<0.102	<0.102	<0.103	<0.112	<0.106	<0.109	<0.103	<0.103	<0.107	<0.103	<0.102	<0.102
1,1-dichloroethylene (1,1-dichloroethene)	<0.102	<0.102	<0.103	<0.112	<0.106	<0.109	<0.103	<0.103	<0.107	<0.103	<0.102	<0.102
1,1,2,2-tetrachloroethylene(tetrachloroethene)	<0.102	<0.102	<0.103	<0.112	<0.106	<0.109	<0.103	<0.103	<0.107	<0.103	<0.102	<0.102
1,1,2-trichloroethylene (trichloroethene)	<0.102	<0.102	<0.103	<0.112	<0.106	<0.109	<0.103	<0.103	<0.107	<0.103	<0.102	<0.102
Methylene chloride	<0.102	<0.102	<0.103	<0.112	<0.106	<0.109	<0.103	<0.103	<0.107	<0.103	<0.102	<0.102
Chloroform	<0.102	<0.102	<0.103	<0.112	<0.106	<0.109	<0.103	<0.103	<0.107	<0.103	<0.102	<0.102
1,1-dichloroethane	<0.102	<0.102	<0.103	<0.112	<0.106	<0.109	<0.103	<0.103	<0.107	<0.103	<0.102	<0.102
ethylene dibromide (1,2-dibromoethane)	<0.102	<0.102	<0.103	<0.112	<0.106	<0.109	<0.103	<0.103	<0.107	<0.103	<0.102	<0.102
1,1,1-trichloroethane	<0.102	<0.102	<0.103	<0.112	<0.106	<0.109	<0.103	<0.103	<0.107	<0.103	<0.102	<0.102
1,1,2-trichloroethane	<0.102	<0.102	<0.103	<0.112	<0.106	<0.109	<0.103	<0.103	<0.107	<0.103	<0.102	<0.102
1,1,2,2-tetrachloroethane	<0.102	<0.102	<0.103	<0.112	<0.106	<0.109	<0.103	<0.103	<0.107	<0.103	<0.102	<0.102
Vinyl chloride	<0.102	<0.102	<0.103	<0.112	<0.106	<0.109	<0.103	<0.103	<0.107	<0.103	<0.102	<0.102

Table 2: Summary Soil of Analytical Results

Analyte of Interest	Area #1	Area #2	Area #3	Area #4	Area #5	Area #6	Area #7	Area #8	Area #9	Area #10	Area #11	Area #12
	(mg/kg)											
Polynuclear Aromatic Hydrocarbons (PAH) USEPA Method 8270C												
Acenaphthene	<0.0338	<0.0336	<0.0338	<0.0370	<0.0348	<0.0358	<0.0340	<0.0340	<0.0353	<0.0340	<0.0338	<0.0338
Acenaphthylene	<0.0338	<0.0336	<0.0338	<0.0370	<0.0348	<0.0358	<0.0340	<0.0340	<0.0353	<0.0340	<0.0338	<0.0338
Anthracene	<0.0338	<0.0336	<0.0338	<0.0370	<0.0348	<0.0358	<0.0340	<0.0340	<0.0353	<0.0340	<0.0338	<0.0338
Benzo(a)anthracene	<0.0338	<0.0336	<0.0338	<0.0370	<0.0348	<0.0358	<0.0340	<0.0340	<0.0353	<0.0340	<0.0338	<0.0338
Benzo(a)pyrene	<0.0338	<0.0336	<0.0338	<0.0370	<0.0348	<0.0358	<0.0340	<0.0340	<0.0353	<0.0340	<0.0338	<0.0338
Benzo(b)fluoranthene	<0.0338	<0.0336	<0.0338	<0.0370	<0.0348	<0.0358	<0.0340	<0.0340	<0.0353	<0.0340	<0.0338	<0.0338
benzo(ghi)perylene	<0.0338	<0.0336	<0.0338	<0.0370	<0.0348	<0.0358	<0.0340	<0.0340	<0.0353	<0.0340	<0.0338	<0.0338
Benzo(k)fluoranthene	<0.0338	<0.0336	<0.0338	<0.0370	<0.0348	<0.0358	<0.0340	<0.0340	<0.0353	<0.0340	<0.0338	<0.0338
Chrysene	<0.0338	<0.0336	<0.0338	<0.0370	<0.0348	<0.0358	<0.0340	<0.0340	<0.0353	<0.0340	<0.0338	<0.0338
Dibenz(a,h)anthracene	<0.0338	<0.0336	<0.0338	<0.0370	<0.0348	<0.0358	<0.0340	<0.0340	<0.0353	<0.0340	<0.0338	<0.0338
Fluoranthene	<0.0338	<0.0336	<0.0338	<0.0370	<0.0348	<0.0358	<0.0340	<0.0340	<0.0353	<0.0340	<0.0338	<0.0338
Fluorene	<0.0338	<0.0336	<0.0338	<0.0370	<0.0348	<0.0358	<0.0340	<0.0340	<0.0353	<0.0340	<0.0338	<0.0338
Indeno(1,2,3-c,d)pyrene	<0.0338	<0.0336	<0.0338	<0.0370	<0.0348	<0.0358	<0.0340	<0.0340	<0.0353	<0.0340	<0.0338	<0.0338
Phenanthrene	<0.0338	<0.0336	<0.0338	<0.0370	<0.0348	<0.0358	<0.0340	<0.0340	<0.0353	<0.0340	<0.0338	<0.0338
Pyrene	<0.0338	<0.0336	<0.0338	<0.0370	<0.0348	<0.0358	<0.0340	<0.0340	<0.0353	<0.0340	<0.0338	<0.0338
Phenols	<0.341	<0.339	<0.341	<0.374	<0.352	<0.361	<0.343	<0.343	<0.356	<0.343	<0.341	<0.341
Polychlorinated Biphenyls (PCB's) USEPA Method 8082												
PCB 1016	<0.0174	<0.0173	<0.0174	<0.0191	<0.0179	<0.0185	<0.0175	<0.0175	<0.0182	<0.0175	<0.0174	<0.0174
PCB 1221	<0.0174	<0.0173	<0.0174	<0.0191	<0.0179	<0.0185	<0.0175	<0.0175	<0.0182	<0.0175	<0.0174	<0.0174
PCB 1232	<0.0174	<0.0173	<0.0174	<0.0191	<0.0179	<0.0185	<0.0175	<0.0175	<0.0182	<0.0175	<0.0174	<0.0174
PCB 1242	<0.0174	<0.0173	<0.0174	<0.0191	<0.0179	<0.0185	<0.0175	<0.0175	<0.0182	<0.0175	<0.0174	<0.0174
PCB 1248	<0.0174	<0.0173	<0.0174	<0.0191	<0.0179	<0.0185	<0.0175	<0.0175	<0.0182	<0.0175	<0.0174	<0.0174
PCB 1254	<0.0174	<0.0173	<0.0174	<0.0191	<0.0179	<0.0185	<0.0175	<0.0175	<0.0182	<0.0175	<0.0174	<0.0174
PCB 1260	<0.0174	<0.0173	<0.0174	<0.0191	<0.0179	<0.0185	<0.0175	<0.0175	<0.0182	<0.0175	<0.0174	<0.0174

Table 2: Summary Soil of Analytical Results

Analyte of Interest	Area #1	Area #2	Area #3	Area #4	Area #5	Area #6	Area #7	Area #8	Area #9	Area #10	Area #11	Area #12
	(mg/kg)											
Total Metals USEPA Method 6010												
Calcium	5090	2180	2770	9330	4380	7560	3270	4070	12300	2340	4900	1340
Copper	<2.00	<2.00	<2.00	5.73	4.23	5.17	<2.00	<2.00	2.13	<2.00	<2.00	<2.00
Iron	6640	4100	4970	17000	10400	18100	7080	6370	10900	5010	5270	4790
Magnesium	1280	952	1210	4890	2830	4160	1680	1550	3480	1100	1250	960
Manganese	132	84.0	137	335	283	242	158	152	407	120	115	112
Potassium	1240	834	1260	2920	1990	3690	1850	1750	2380	1450	1380	1380
Sodium	112	<50.0	<50.0	2120	752	1430	211	186	808	128	149	142
Zinc	12.0	9.58	11.8	35.4	27.5	35.7	16.0	15.8	23.5	12.3	12.4	11.8
Arsenic	1.47	1.58	1.37	<1.0	3.85	3.40	1.23	1.71	<1.0	1.12	1.41	1.32
Barium	73.4	70.4	80.8	149	175	180	81.0	84.4	126.0	73.5	73.8	64.9
Cadmium	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Chromium	22.4	<5.00	5.20	14.9	11.3	16.9	8.37	7.09	11.8	5.21	5.04	<5.0
Lead	2.36	2.17	2.17	5.65	4.49	4.94	2.39	2.62	3.22	2.29	2.31	2.35
Mercury (Method 7471)	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Selenium	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Silver	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Uranium (Method 6020)	<2.56	<2.55	<2.56	<2.81	<2.64	<2.71	<2.58	<2.58	<2.68	<2.57	<2.56	<2.56
General Chemistry												
pH	9.10	8.88	8.67	8.10	9.24	8.51	8.67	8.97	8.64	8.60	8.89	8.77
Total Dissolved Solids	744	392	504	4020	8050	2360	944	7520	1020	1150	824	1680
Bicarbonate	258	169	182	108	550	218	154	253	154	163	156	106
Fluoride	3.22	<2.50	2.51	11.3	4.83	12.0	3.84	2.80	5.76	<2.50	2.68	<2.50
Chloride	34.8	27.6	<20.0	45.5	<20.0	48.3	<20.0	<20.0	124	<20.0	<20.0	<20.0
Nitrite	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50
Nitrate	<2.50	<2.50	<2.50	7.74	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50
Phosphate	<2.50	<2.5	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50
Sulfate	32.3	<20.0	<20.0	2460	79.3	1060	31.0	<20.0	827	<20.0	36.3	28.1
Cyanide	<0.256	<0.255	<0.256	<0.281	<0.264	<0.271	<0.258	<0.258	<0.268	<0.257	<0.256	<0.256
Radiochemical Analysis (pCi/g)												
Radium	2.44	1.98	2.44	3.22	1.65	2.51	1.26	1.47	2.80	1.04	1.13	1.25

Table 3, Summary of Statistical Analysis

Contaminant of Concern (COC)	Average PQL	PQL	Mean from ProUCL	Upper confidence from ProUCL
	(mg/kg)			
Total Petroleum Hydrocarbons (TPH) USEPA Method 8015				
Gasoline Range Organics (C6-C10)		20		
Diesel Range Organics C10-C28)		25		
Oil Range Organics (C28-C40+)		50		
Volatile Organic Compounds (VOC) USEPA Method 8021				
Benzene		0.1		
Toluene		0.1		
Ethylbenzene		0.1		
Xylene		0.1		
Naphthalene		0.5		
1-Methylnaphthalene		0.5		
2-Methylnaphthalene		0.5		
Volatile Organic Compounds (VOC) USEPA Method 8260				
Carbon Tetrachloride	0.1045			
1,2-dichloroethane	0.1045			
1,1-dichloroethylene (1,1-dichloroethene)	0.1045			
1,1,2,2-tetrachloroethylene(tetrachloroethene)	0.1045			
1,1,2-trichloroethylene (trichloroethene)	0.1045			
Methylene chloride	0.1045			
Chloroform	0.1045			
1,1-dichloroethane	0.1045			
Ethylene dibromide (1,2-dibromoethane)	0.1045			
1,1,1-trichloroethane	0.1045			
1,1,2-trichloroethane	0.1045			
1,1,2,2-tetrachloroethane	0.1045			
Vinyl chloride	0.1045			

Table 3, Summary of Statistical Analysis

Contaminant of Concern (COC)	Average PQL	PQL	Mean from ProUCL	Upper confidence from ProUCL
	(mg/kg)			
Polynuclear Aromatic Hydrocarbons (PAH) USEPA Method 8270C				
Acenaphthene	0.0345			
Acenaphthylene	0.0345			
Anthracene	0.0345			
Benzo(a)anthracene	0.0345			
Benzo(a)pyrene	0.0345			
Benzo(b)fluoranthene	0.0345			
benzo(ghi)perylene	0.0345			
Benzo(k)fluoranthene	0.0345			
Chrysene	0.0345			
Dibenz(a,h)anthracene	0.0345			
Fluoranthene	0.0345			
Fluorene	0.0345			
Indeno(1,2,3-c,d)pyrene	0.0345			
Phenanthrene	0.0345			
Pyrene	0.0345			
Phenols	0.3479			
Polychlorinated Biphenyls (PCB's) USEPA Method 8082				
PCB 1016	0.0178			
PCB 1221	0.0178			
PCB 1232	0.0178			
PCB 1242	0.0178			
PCB 1248	0.0178			
PCB 1254	0.0178			
PCB 1260	0.0178			

Table 3, Summary of Statistical Analysis

Contaminant of Concern (COC)	Average PQL	PQL	Mean from ProUCL	Upper confidence from ProUCL
	(mg/kg)			
Total Metals USEPA Method 6010				
Calcium			4960.8	6646.0
Copper			2.77	3.58
Iron			8385.8	11711.8
Magnesium			2111.8	3124.1
Manganese			189.8	262.5
Potassium			1843.7	2262.9
Sodium			511.5	1348.1
Zinc			18.6	25.0
Arsenic			1.71	2.19
Barium			102.7	125.5
Cadmium		1.00		
Chromium			9.85	12.85
Lead			3.08	3.74
Mercury (Method 7471)		0.02		
Selenium		5.00		
Silver		1.00		
Uranium (Method 6020)	2.613			
General Chemistry				
pH			8.75	8.91
Total Dissolved Solids			2434.0	4726.5
Bicarbonate			174.6	202.3
Fluoride			4.70	6.50
Chloride			26.9	33.5
Nitrite		2.50		
Nitrate		2.50		
Phosphate		2.50		
Sulfate			197.6	920.6
Cyanide	0.261			
Radiochemical Analysis (pCi/g)				
Radium-226 & Radium-228			1.93	2.31

Table 4, ProUCL Input File - Outliers Removed

Calcium	D_Calcium	Copper	D_Copper	Iron	D_Iron	Magnesium
5090	1	2.0	0	6640	1	1280
2180	1	2.0	0	4100	1	952
2770	1	2.0	0	4970	1	1210
9330	1	5.73	1	17000	1	4890
4380	1	4.23	1	10400	1	2830
7560	1	5.17	1	18100	1	4160
3270	1	2.0	0	7080	1	1680
4070	1	2.0	0	6370	1	1550
12300	1	2.13	1	10900	1	3480
2340	1	2.0	0	5010	1	1100
4900	1	2.0	0	5270	1	1250
1340	1	2.0	0	4790	1	960

1- Denotes Detectable value
0 - Denotes non Detect Value

Table 4, ProUCL Input File - Outliers Removed

D_Magnesium	Manganese	D_Manganese	Potassium	D_Potassium	Sodium	D_Sodium
1	132	1	1240	1	112	1
1	84.0	1	834	1	50	0
1	137	1	1260	1	50	0
1	335	1	2920	1	2120	1
1	283	1	1990	1	752	1
1	242	1	3690	1	1430	1
1	158	1	1850	1	211	1
1	152	1	1750	1	186	1
1	407	1	2380	1	808	1
1	120	1	1450	1	128	1
1	115	1	1380	1	149	1
1	112	1	1380	1	142	1

1- Denotes Detectable value
0 - Denotes non Detect Value

Table 4, ProUCL Input File - Outliers Removed

Zinc	D_Zinc	Arsenic	D_Arsenic	Barium	D_Barium	Chromium
12.0	1	1.47	1	73.4	1	22.4
9.58	1	1.58	1	70.4	1	5
11.8	1	1.37	1	80.8	1	5.20
35.4	1	1.00	0	149	1	14.9
27.5	1	3.85	1	175	1	11.3
35.7	1	3.40	1	180	1	16.9
16.0	1	1.23	1	81.0	1	8.37
15.8	1	1.71	1	84.4	1	7.09
23.5	1	1.00	0	126.0	1	11.8
12.3	1	1.12	1	73.5	1	5.21
12.4	1	1.41	1	73.8	1	5.04
11.8	1	1.32	1	64.9	1	5

1- Denotes Detectable value
0 - Denotes non Detect Value

Table 4, ProUCL Input File - Outliers Removed

D_Chromium	Lead	D_lead	pH	D_pH	Total Dissolved Solids	D_Total Dissolved Solids
1	2.36	1	9.10	1	744	1
0	2.17	1	8.88	1	392	1
1	2.17	1	8.67	1	504	1
1	5.65	1	8.10	1	4020	1
1	4.49	1	9.24	1	8050	1
1	4.94	1	8.51	1	2360	1
1	2.39	1	8.67	1	944	1
1	2.62	1	8.97	1	7520	1
1	3.22	1	8.64	1	1020	1
1	2.29	1	8.60	1	1150	1
1	2.31	1	8.89	1	824	1
0	2.35	1	8.77	1	1680	1

1- Denotes Detectable value
0 - Denotes non Detect Value

Table 4, ProUCL Input File - Outliers Removed

Bicarbonate	D_Bicarbonate	Fluoride	D_Fluoride	Chloride	D_Chloride	Nitrate
258	1	3.22	1	34.8	1	2.50
169	1	2.5	0	27.6	1	2.50
182	1	2.51	1	20	0	2.50
108	1	11.3	1	45.5	1	2.50
218	1	4.83	1	20	0	2.50
154	1	12.0	1	48.3	1	2.50
253	1	3.84	1	20	0	2.50
154	1	2.80	1	20	0	2.50
163	1	5.76	1	20	0	2.50
156	1	2.50	0	20.00	0	2.50
106	1	2.68	1	20	0	2.50
		2.5	0			

1- Denotes Detectable value
0 - Denotes non Detect Value

Table 4, ProUCL Input File - Outliers Removed

D_Nitrate	Sulfate	D_Sulfate	Radium	D_Radium
0	32.3	1	2.44	1
0	20	0	1.98	1
0	20	0	2.44	1
0	79.3	1	3.22	1
0	1060	1	1.65	1
0	31.0	1	2.51	1
0	20	0	1.26	1
0	827	1	1.47	1
0	20	0	2.80	1
0	36.3	1	1.04	1
0	28.1	1	1.13	1
			1.25	1

1- Denotes Detectable value
0 - Denotes non Detect Value

APPENDIX A

Field Notes

envirotech

(505) 632-0615 (800) 362-1879

5796 U.S. Hwy 64, Farmington, NM 87401

Project No:

COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

PAGE NO: 1 OF 1

DATE STARTED: 3/21/16

DATE FINISHED: 3/21/16

ENVIRONMENTAL SPECIALIST: T. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

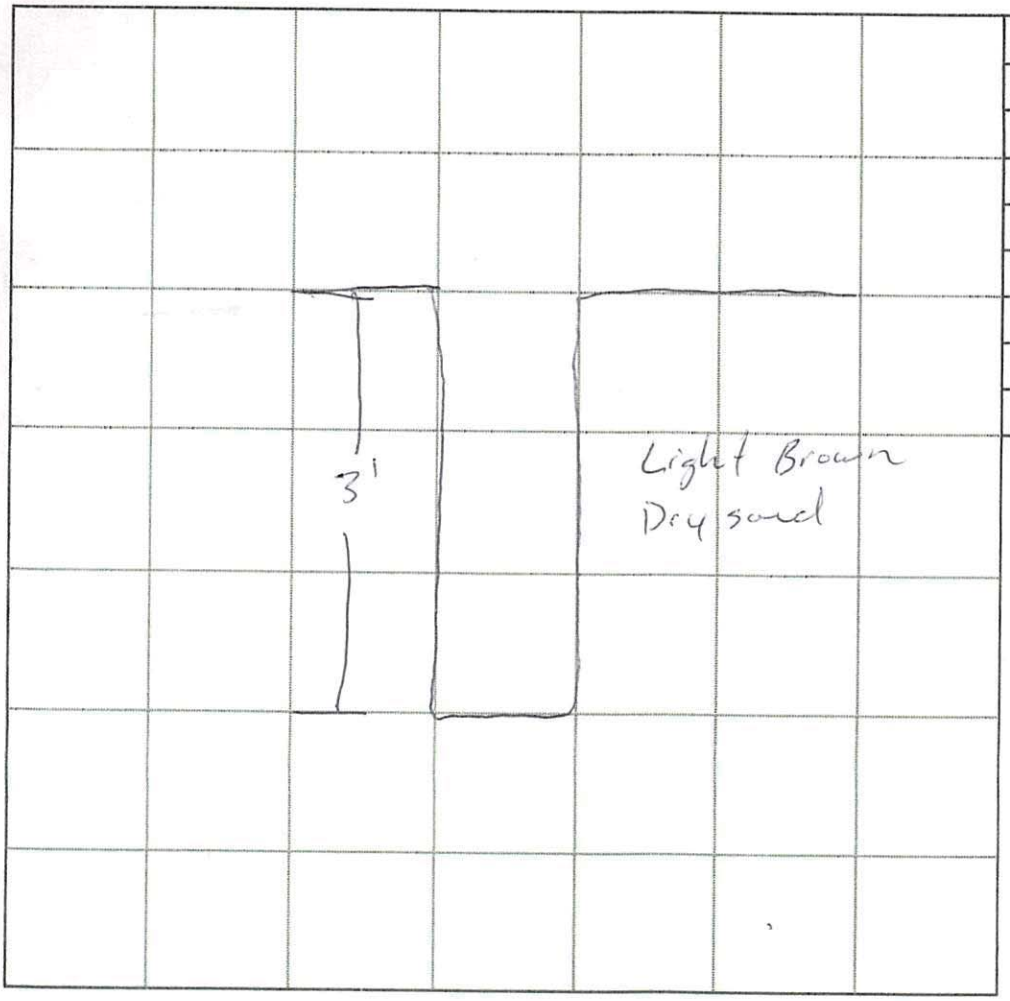
CELL/ SECTION: Area 1-1

SOIL REMEDIATION	
	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

N 36° 30.4000'
W 107° 55.7338'

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME

envirotech

(505) 632-0615 (800) 362-1879
5796 U.S. Hwy 64, Farmington, NM 87401

Project No:

COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

PAGE NO: 1 OF 1

DATE STARTED: 3/21/16

DATE FINISHED: 3/21/16

ENVIRONMENTAL SPECIALIST: T. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 1 - 2

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

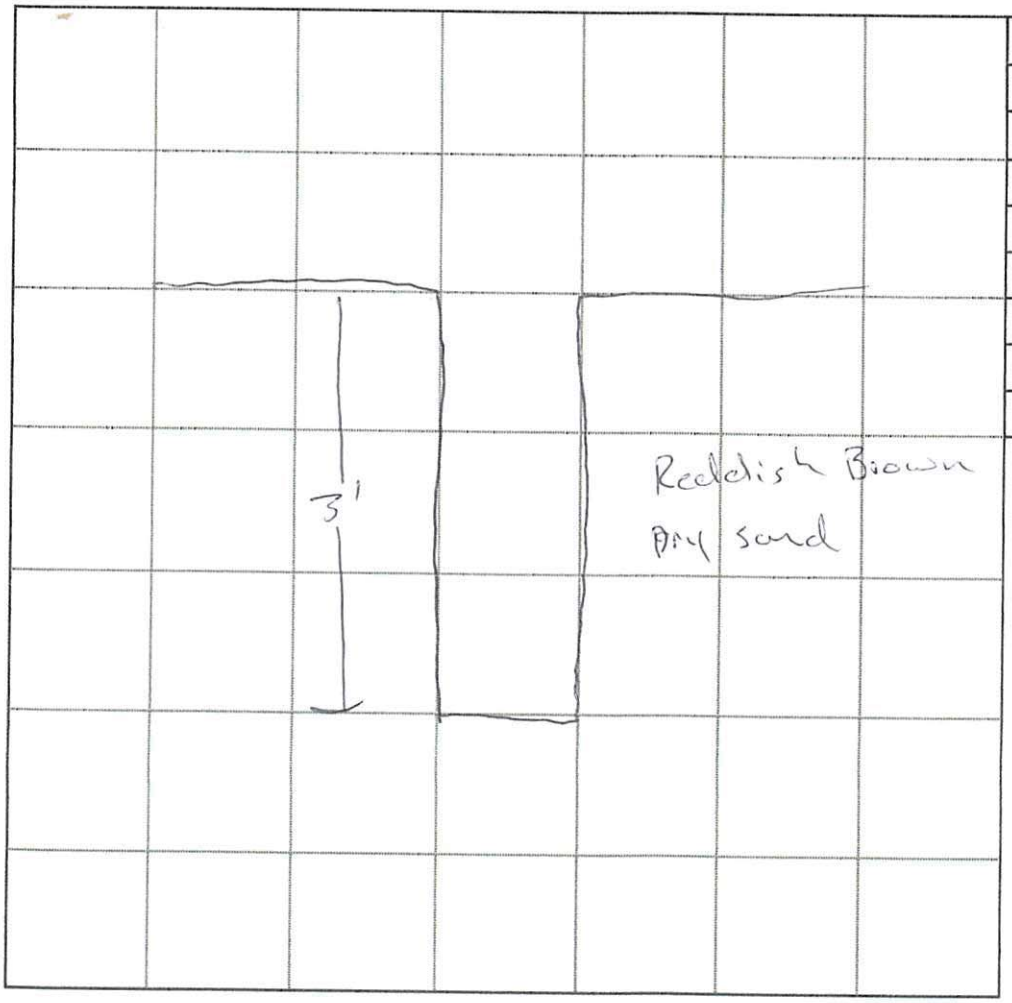
VISIBLE OBSERVATIONS:

SAMPLING PLAN:

N 36° 30.3983'
W 107° 55.7584

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME

envirotech

(505) 632-0615 (800) 362-1879

5796 U.S. Hwy 64, Farmington, NM 87401

Project No:

COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

PAGE NO: 1 OF 1

DATE STARTED: 3/21/16

DATE FINISHED: 3/21/16

ENVIRONMENTAL SPECIALIST: T. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

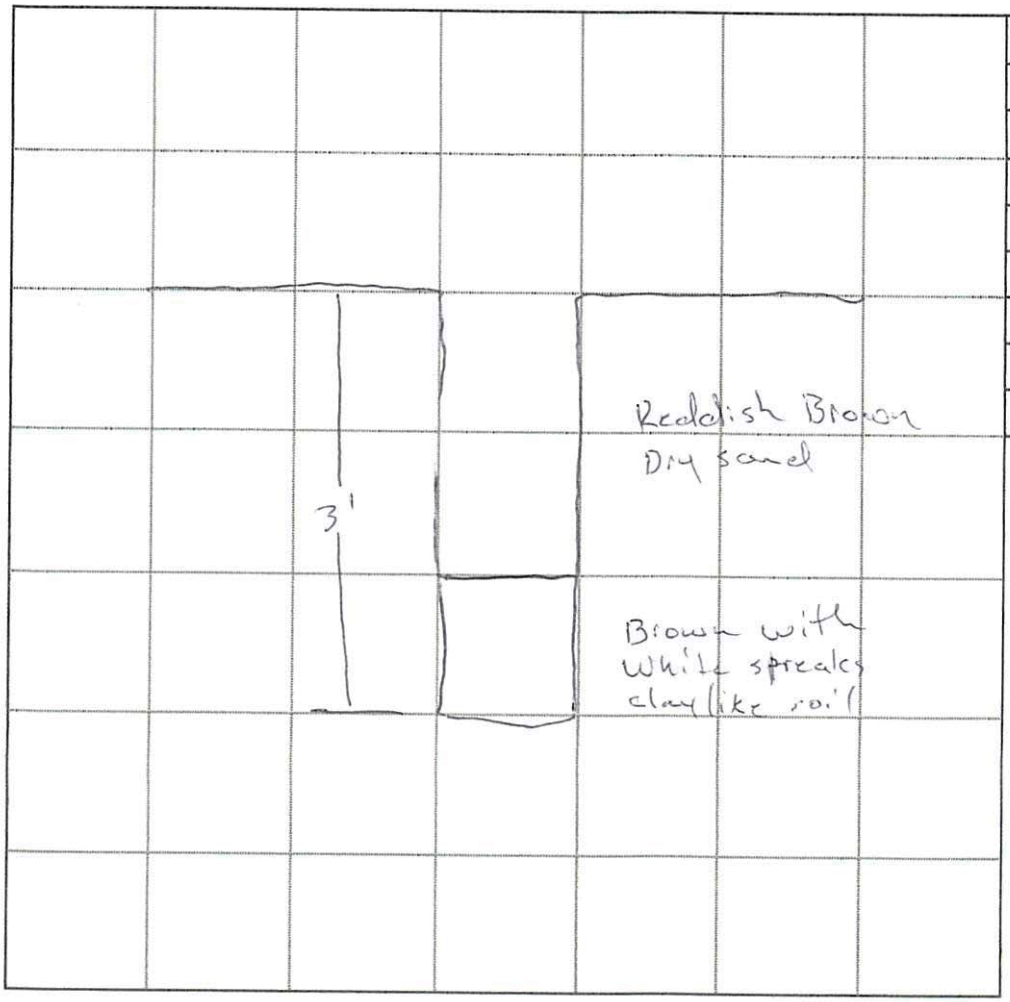
CELL/ SECTION: Area 1-3

SOIL REMEDIATION	
	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

N36° 30.3981'
W107° 55.7843'

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME

envirotech

(505) 632-0615 (800) 362-1879

5796 U.S. Hwy 64, Farmington, NM 87401

Project No:

COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

PAGE NO: 1 OF 1

DATE STARTED: 3/21/16

DATE FINISHED: 3/21/16

ENVIRONMENTAL SPECIALIST: T. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

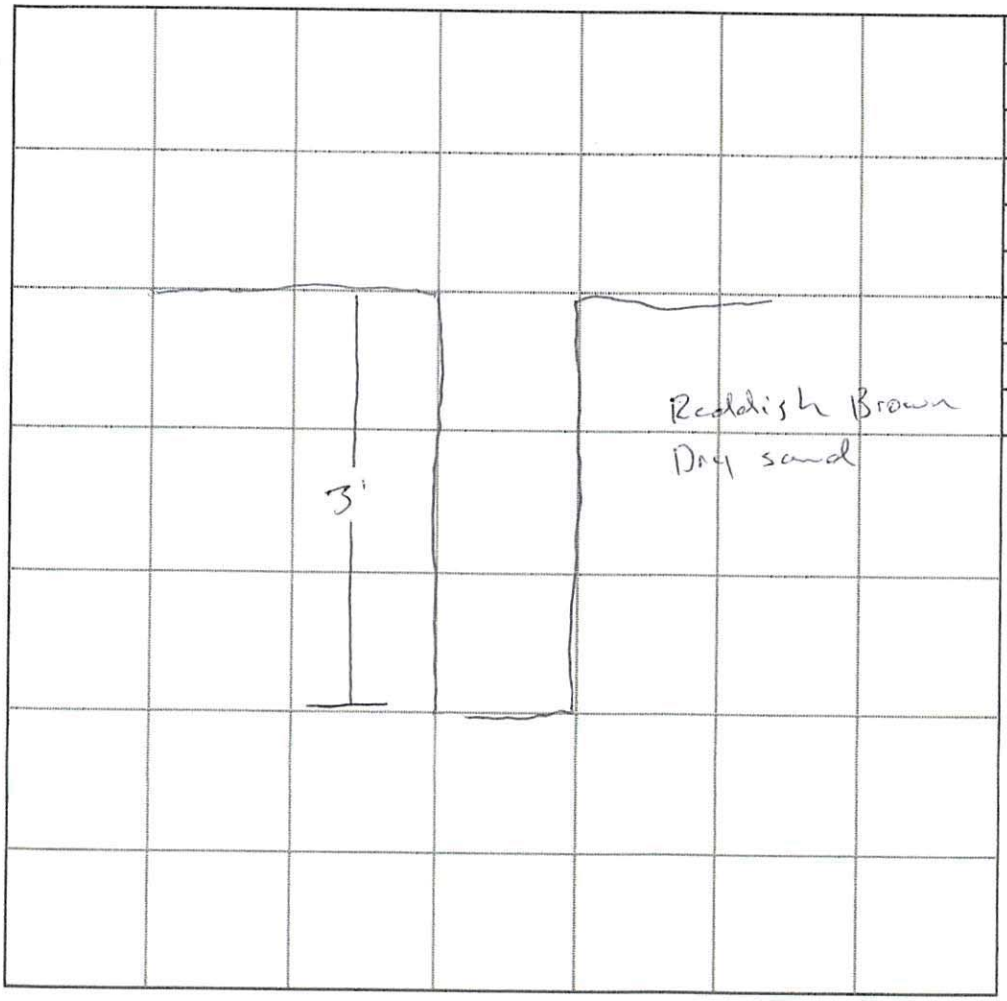
CELL/ SECTION: Area 1-4

SOIL REMEDIATION	
	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

N36° 30.39641
W107° 55.81021

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME

envirotech

(505) 632-0615 (800) 362-1879
5796 U.S. Hwy 64, Farmington, NM 87401

Project No:

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FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

PAGE NO: 1 OF 1

DATE STARTED: 3/21/16

DATE FINISHED: 3/21/16

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 1-5

ENVIRONMENTAL SPECIALIST: T. Garcia

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

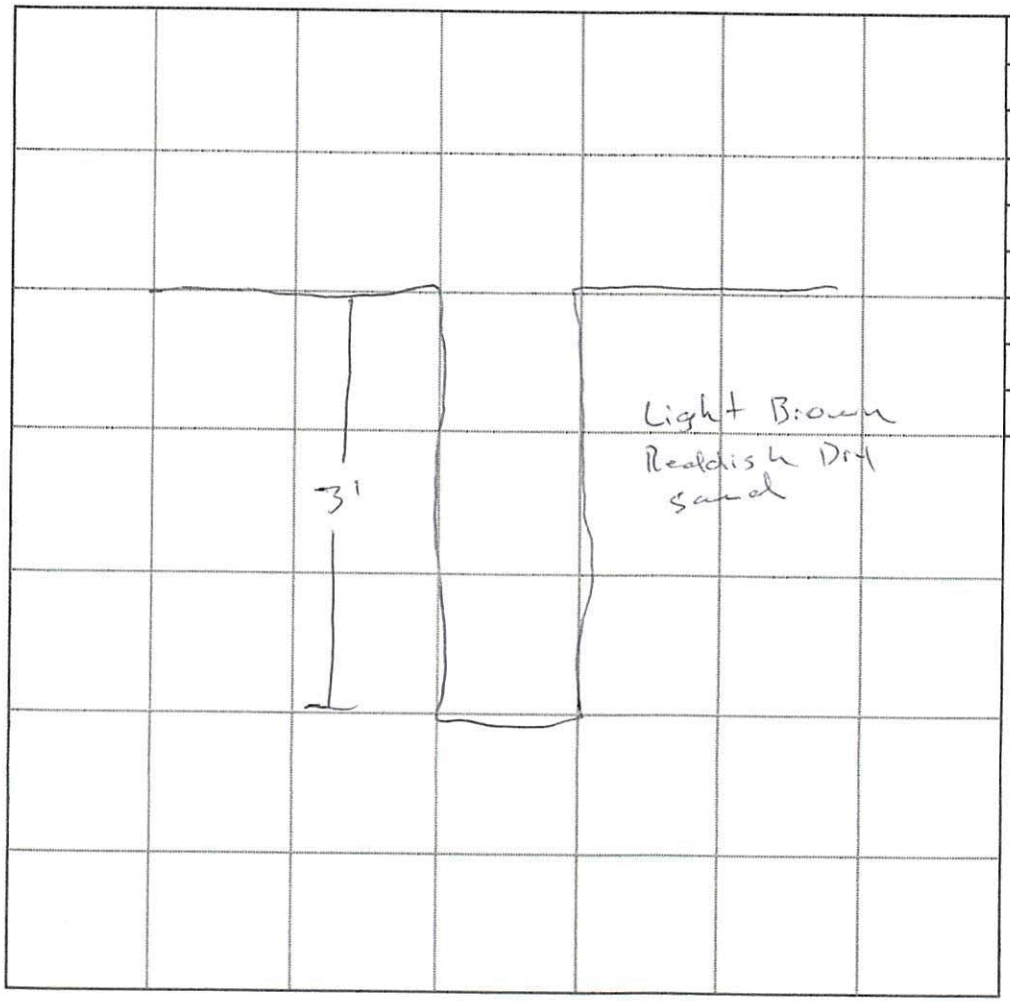
VISIBLE OBSERVATIONS:

SAMPLING PLAN:

N 36° 30.395'
W 107° 55.834'

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME

envirotech

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5796 U.S. Hwy 64, Farmington, NM 87401

Project No:

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FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

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DATE STARTED: 3/21/16

DATE FINISHED: 3/21/16

ENVIRONMENTAL SPECIALIST: T. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

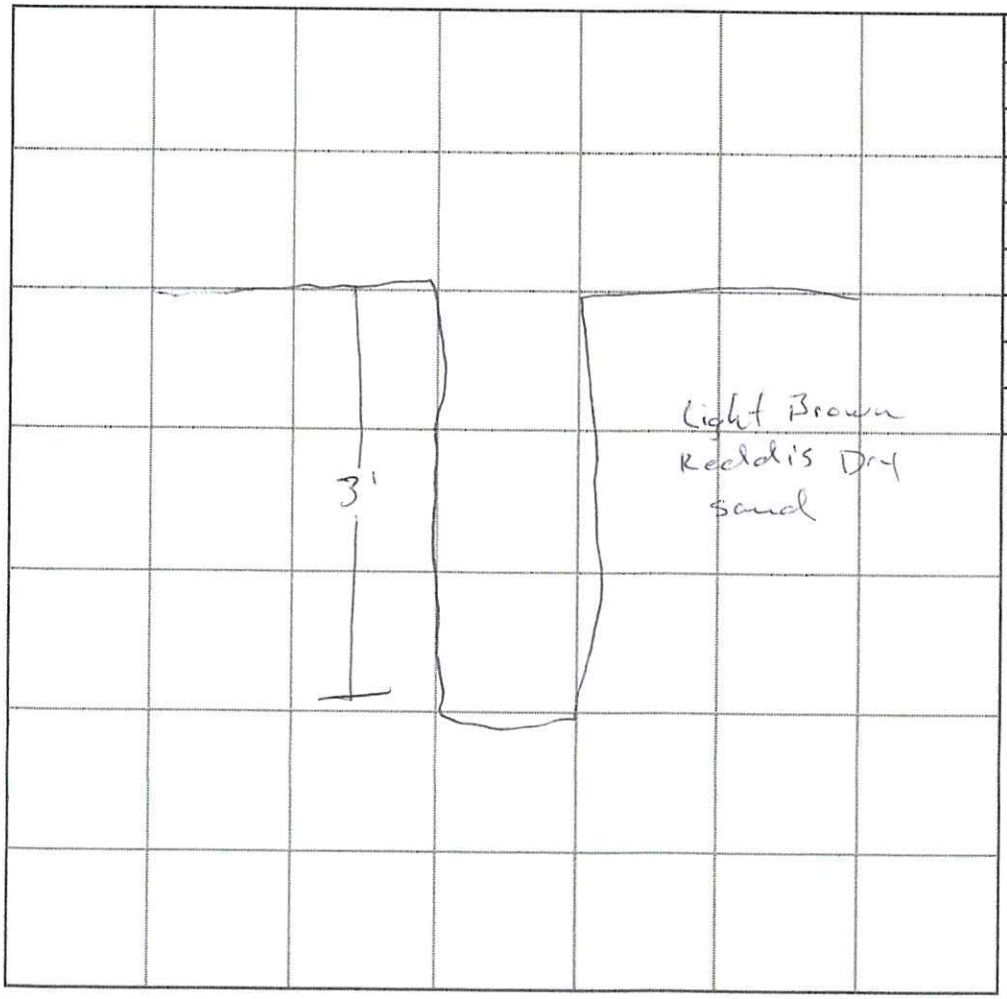
CELL/ SECTION: Area 1-6

SOIL REMEDIATION	
	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

N36° 30.3930'
W107° 55.8585'

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME

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ENVIRONMENTAL SPECIALIST: I. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 1-7

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

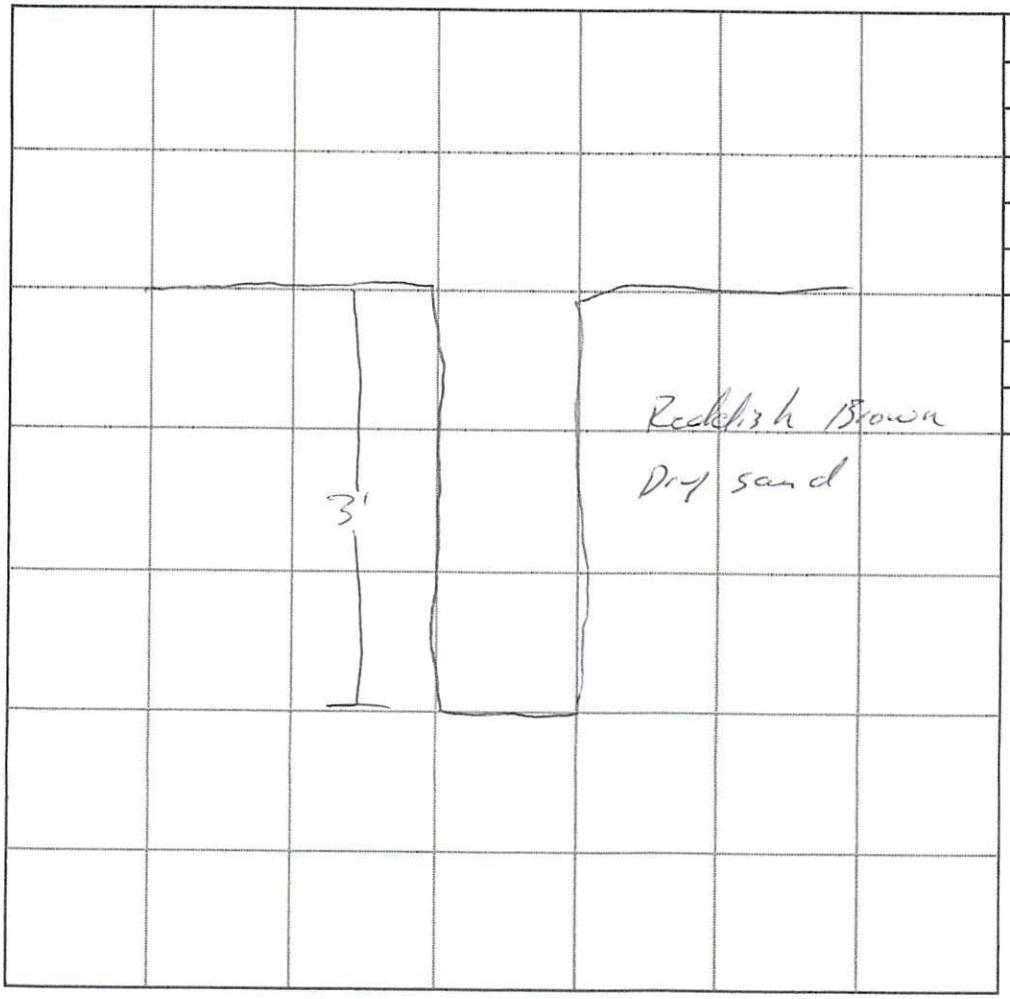
VISIBLE OBSERVATIONS:

SAMPLING PLAN:

N36° 30.394'
W107° 55.881'

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME

envirotech

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ENVIRONMENTAL SPECIALIST: T. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 1-8

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

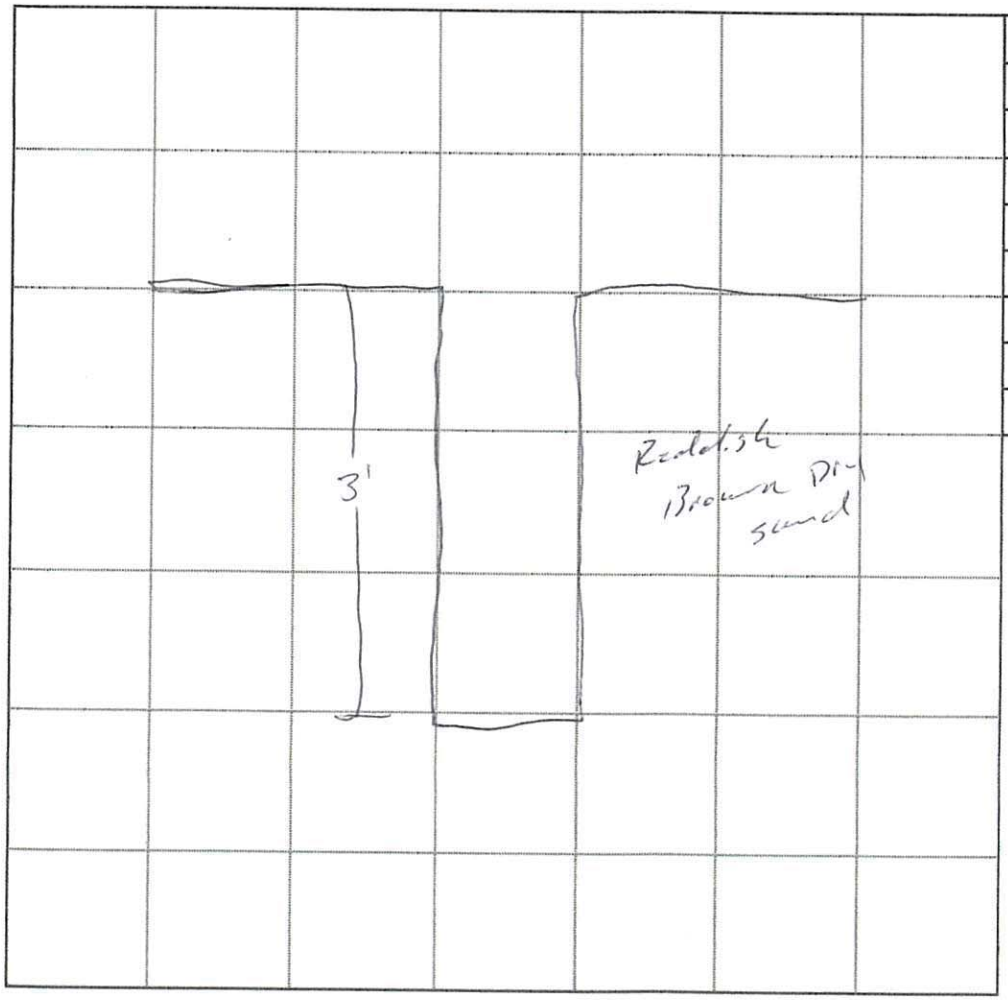
SAMPLING PLAN:

N36° 30.39641

W107° 55.9038'

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME

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5796 U.S. Hwy 64, Farmington, NM 87401

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ENVIRONMENTAL SPECIALIST: J. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 1-9

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

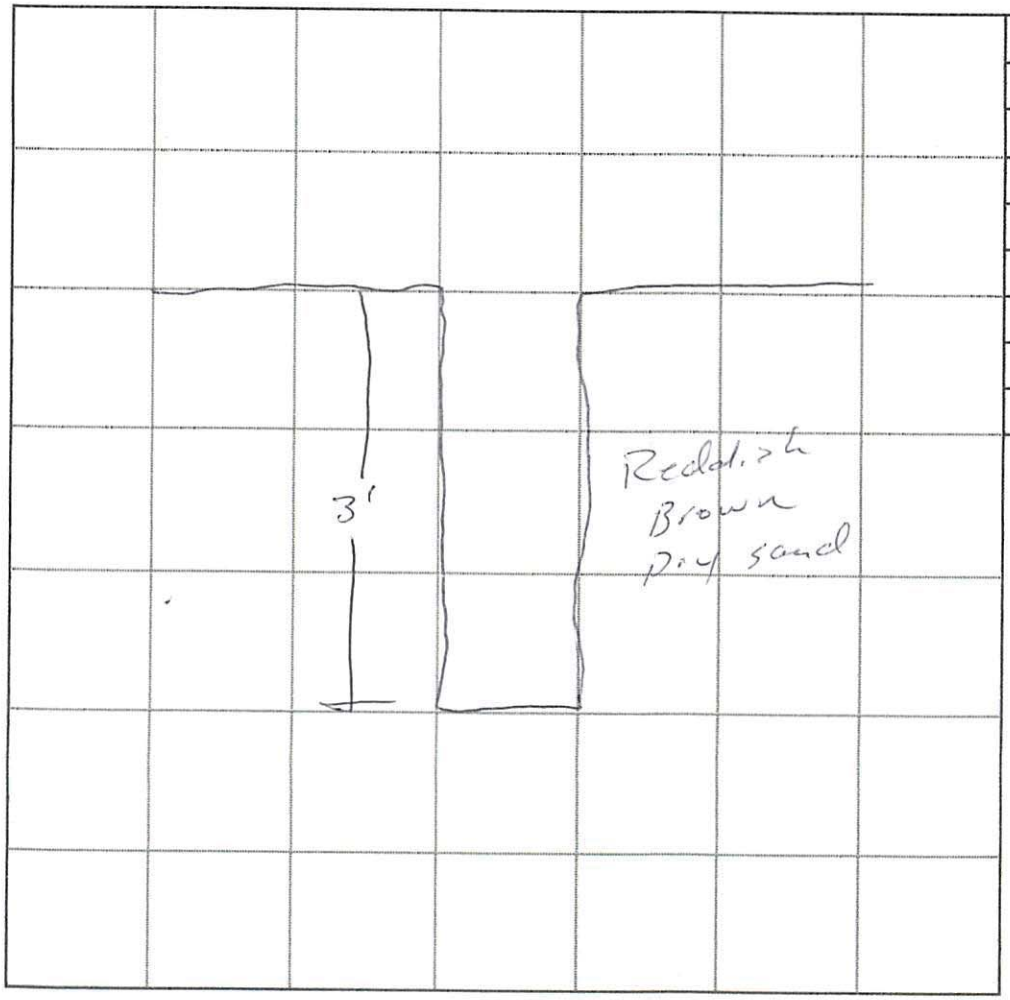
VISIBLE OBSERVATIONS:

SAMPLING PLAN:

N36° 30.4061'
W107° 55.9139'

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME

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ENVIRONMENTAL SPECIALIST: E. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 1 - 10

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

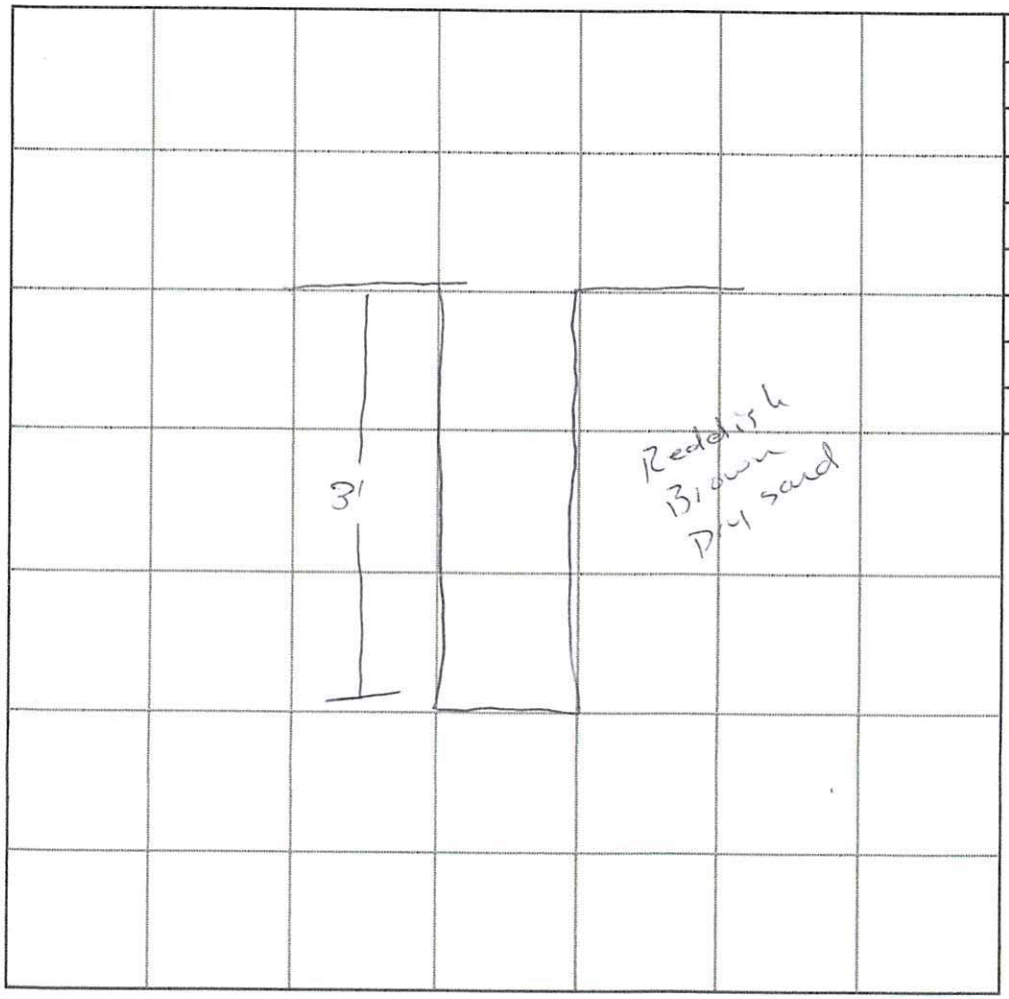
SAMPLING PLAN:

N36° 30.40801'

W107° 55.88921'

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME

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ENVIRONMENTAL SPECIALIST: A. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

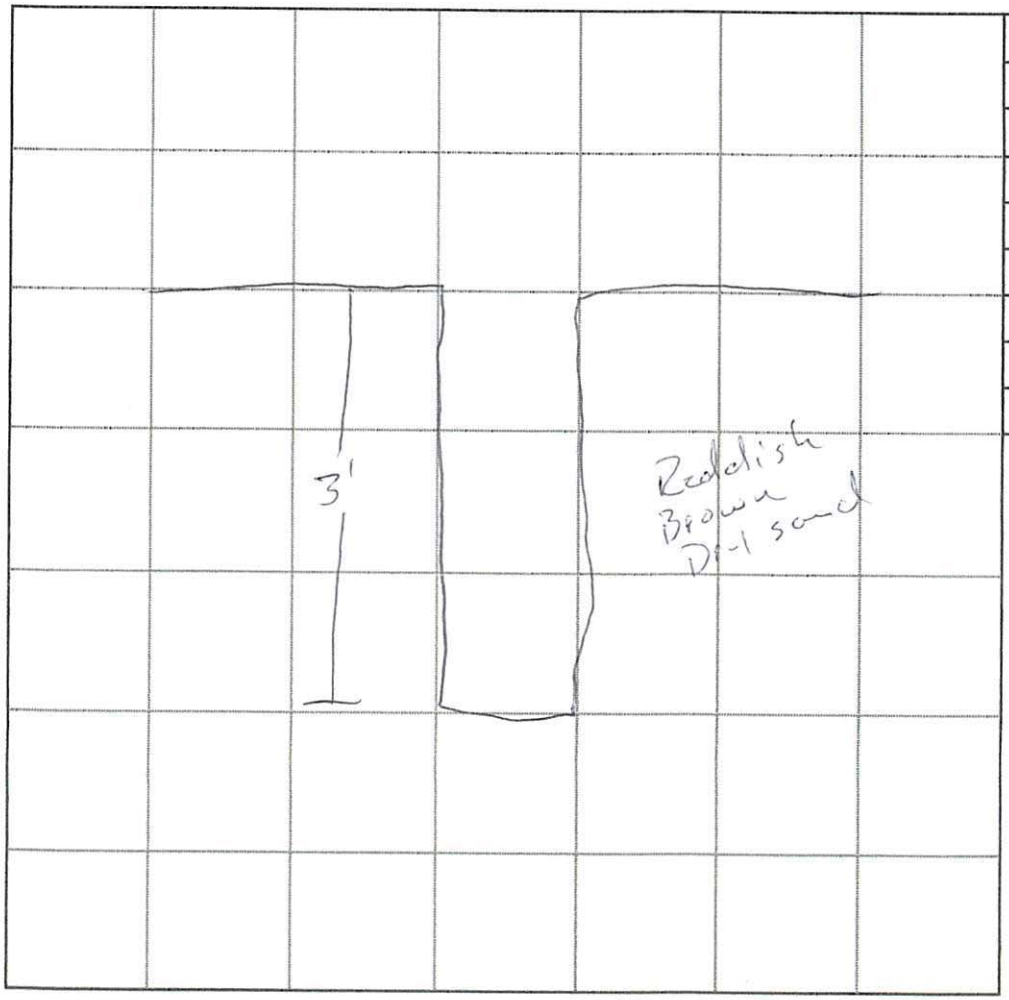
CELL/ SECTION: Area 1-11

SOIL REMEDIATION	
	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

N 36° 30.41221
W 107° 55.86081

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME

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Project No: 1st Quarter Treatment Zone Sampling

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DATE STARTED: 3/21/16

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ENVIRONMENTAL SPECIALIST: I. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

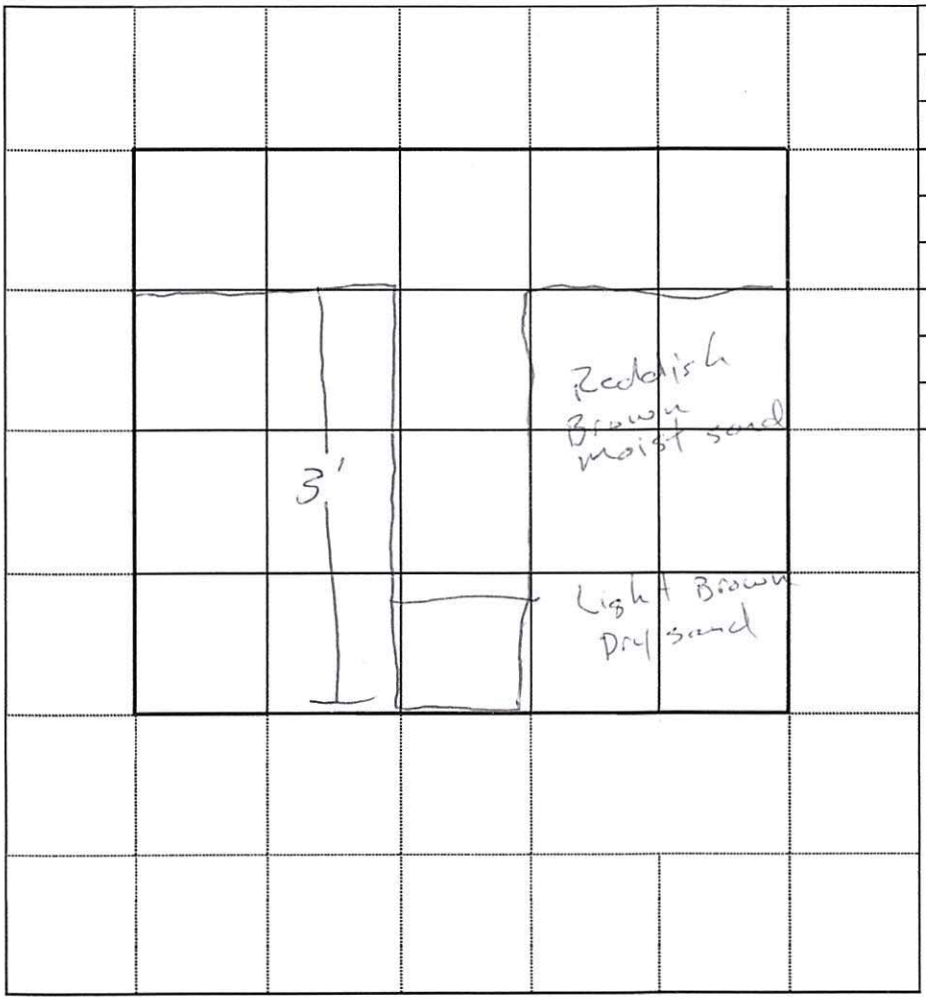
CELL/ SECTION: Area #1-12

SOIL REMEDIATIC
QUANTITY:
DIMENSIONS:
VISIBLE OBSERVATIONS:
SAMPLING PLAN:

36° 30.415 6
107° 55.835 6

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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ENVIRONMENTAL SPECIALIST: J. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

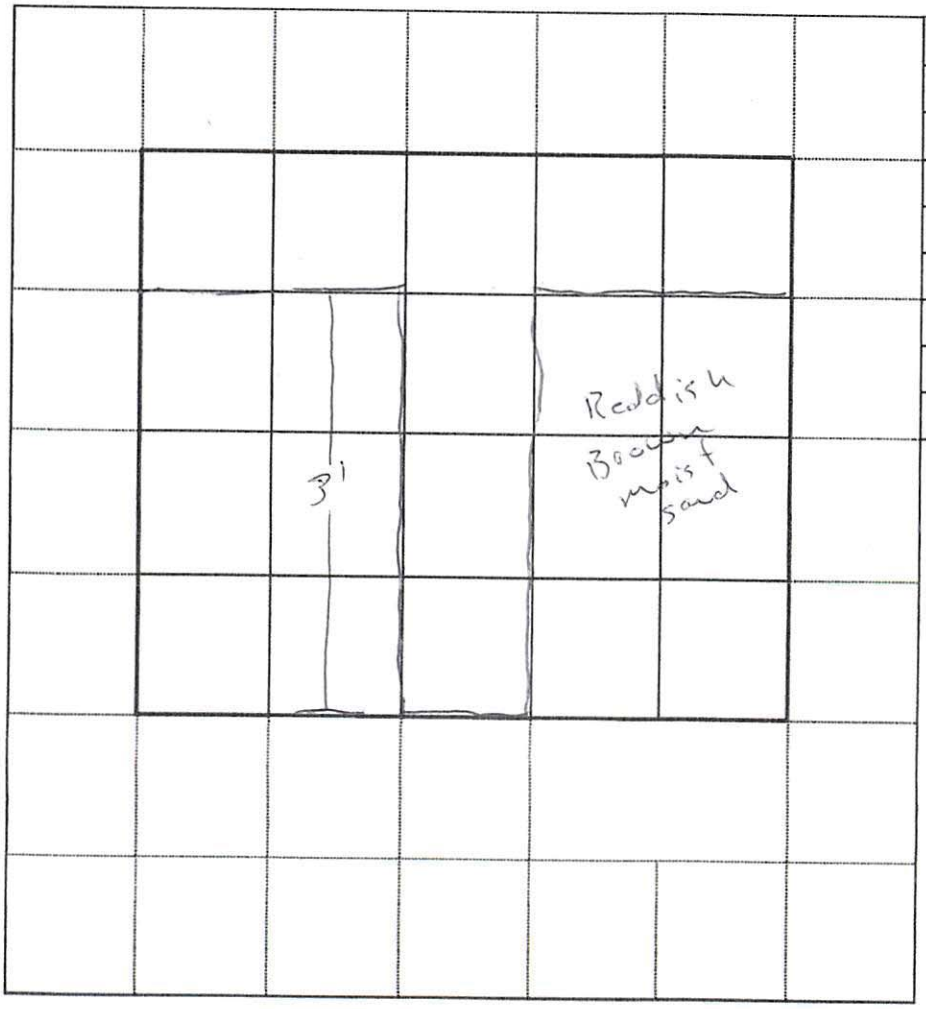
CELL/ SECTION: Area 1-13

SOIL REMEDIATIC
QUANTITY:
DIMENSIONS:
VISIBLE OBSERVATIONS:
SAMPLING PLAN:

36° 30.4178
107° 55.8116

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 1-14

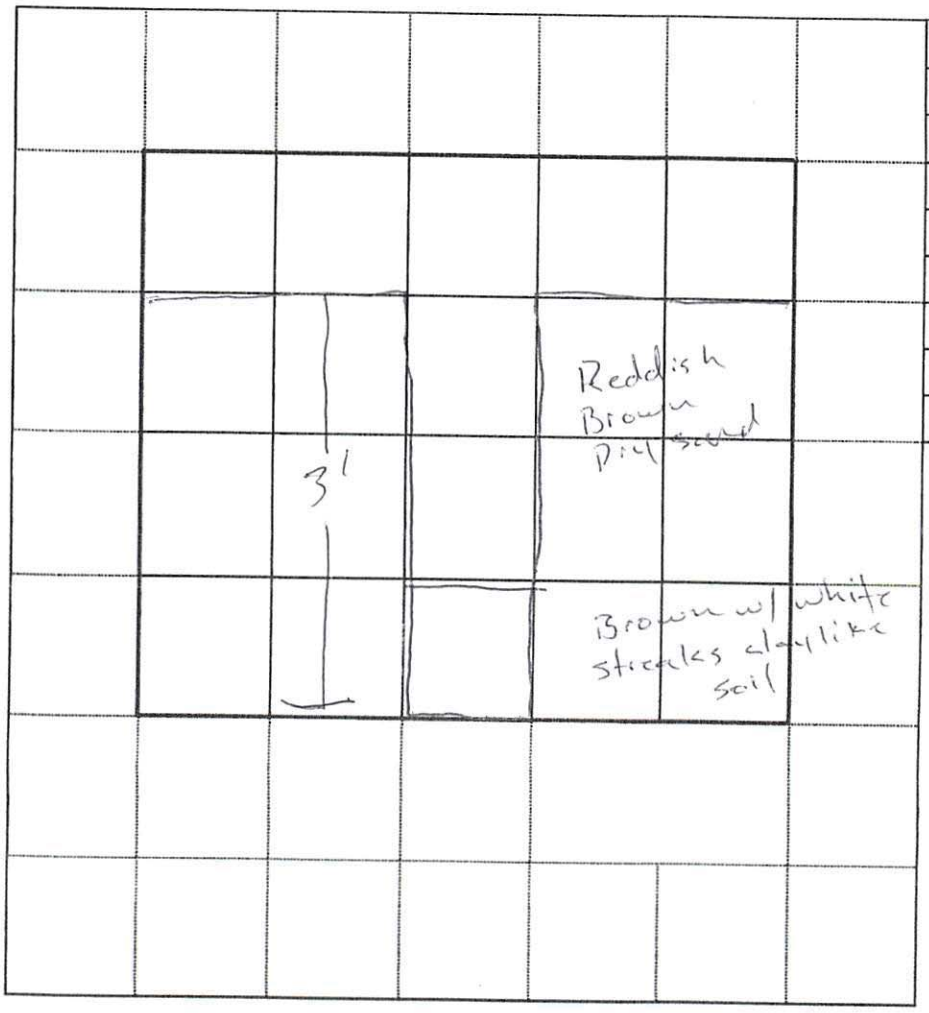
ENVIRONMENTAL SPECIALIST: J. Garcia

SOIL REMEDIATIC
QUANTITY:
DIMENSIONS:
VISIBLE OBSERVATIONS:
SAMPLING PLAN:

36° 30.4214
107° 55.7871

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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Project No: 1st Quarter Treatment Zone Sampling

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ENVIRONMENTAL SPECIALIST: T. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

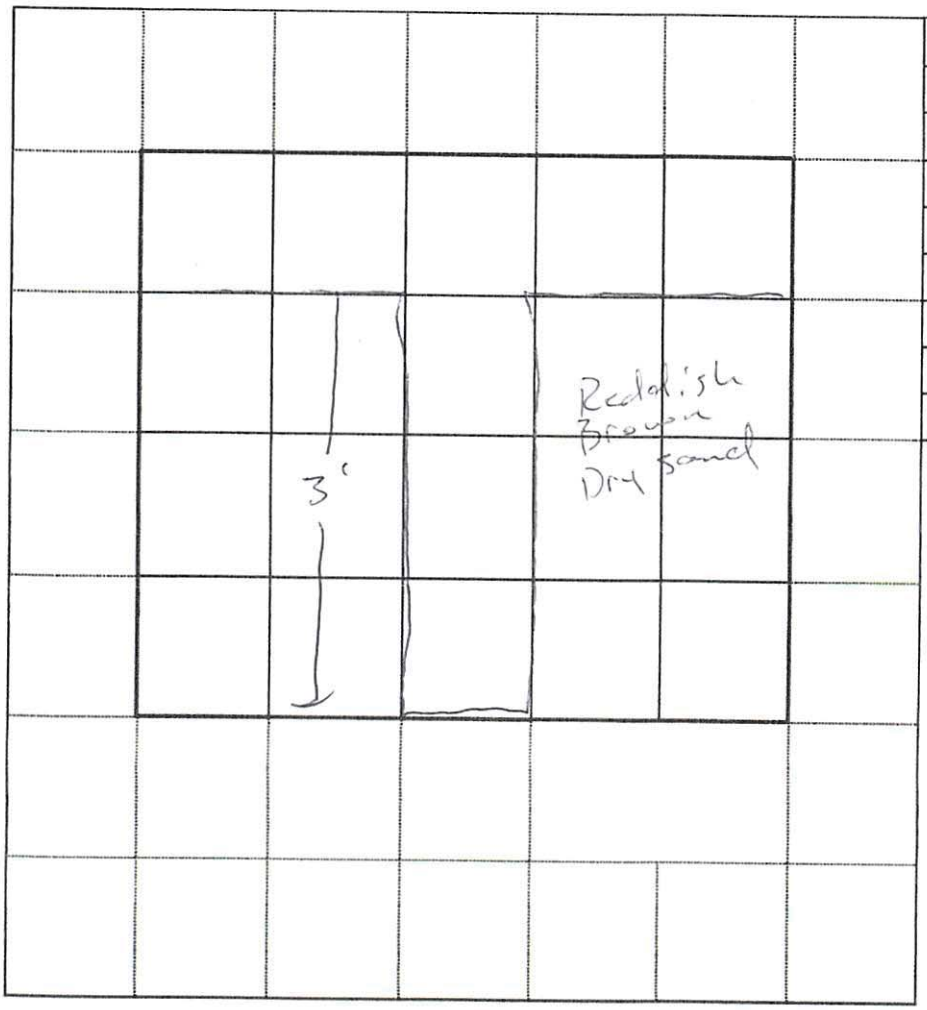
CELL/ SECTION: Area 1-15

SOIL REMEDIATIC
- QUANTITY:
- DIMENSIONS:
- VISIBLE OBSERVATIONS:
- SAMPLING PLAN:

36° 30.4248
107° 55.7623

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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DATE STARTED: 3/21/16

DATE FINISHED: 3/21/16

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 1-16

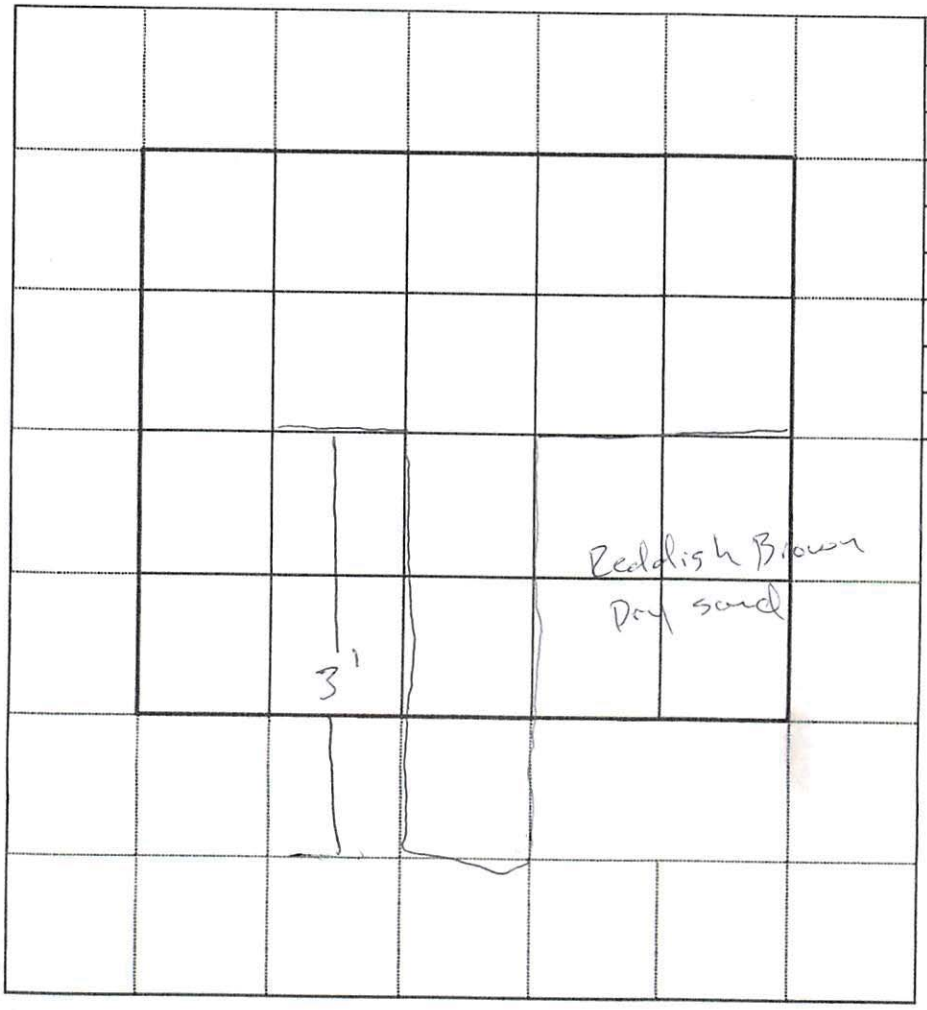
ENVIRONMENTAL SPECIALIST: B. Garcia

SOIL REMEDIATIC
- QUANTITY:
- DIMENSIONS:
- VISIBLE OBSERVATIONS:
- SAMPLING PLAN:

36° 30.4254
107° 55.7362

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 2-1

ENVIRONMENTAL SPECIALIST: R. Garcia

SOIL REMEDIATION:

QUANTITY:

DIMENSIONS:

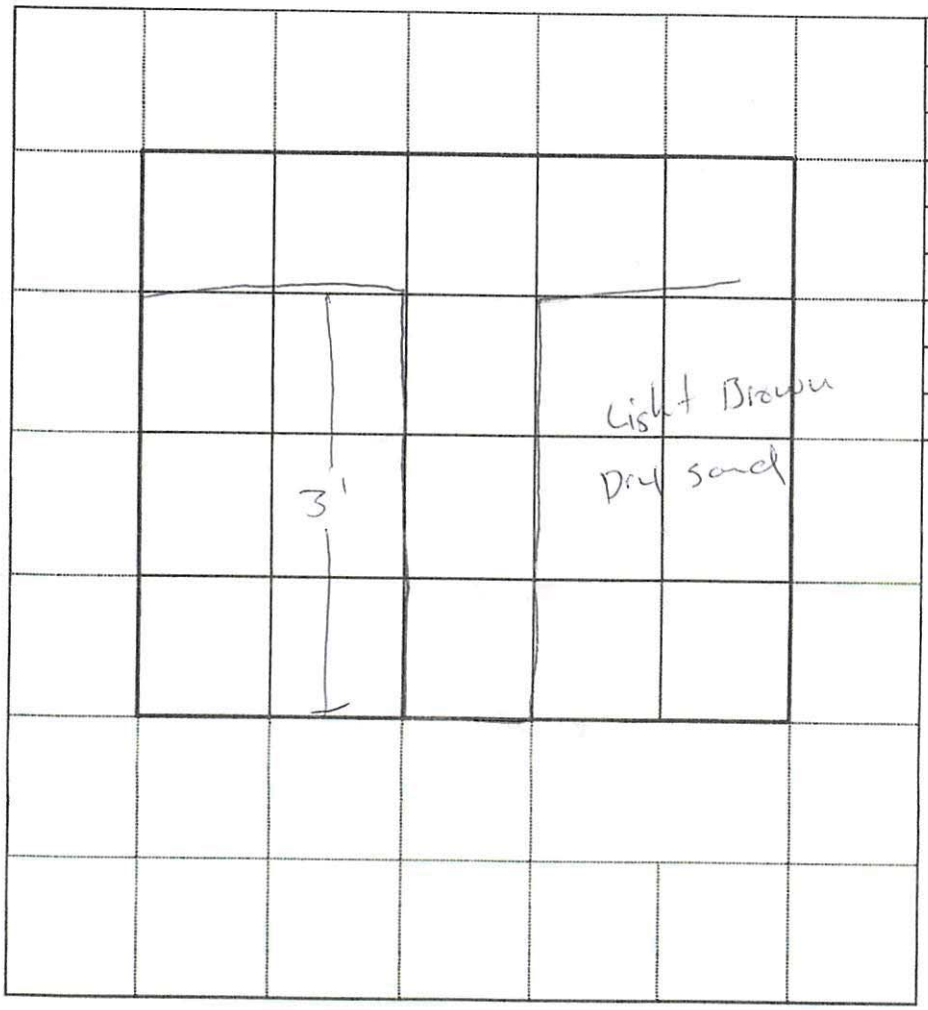
VISIBLE OBSERVATIONS:

SAMPLING PLAN:

36° 30.4378
107° 55.9096

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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ENVIRONMENTAL SPECIALIST: I. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

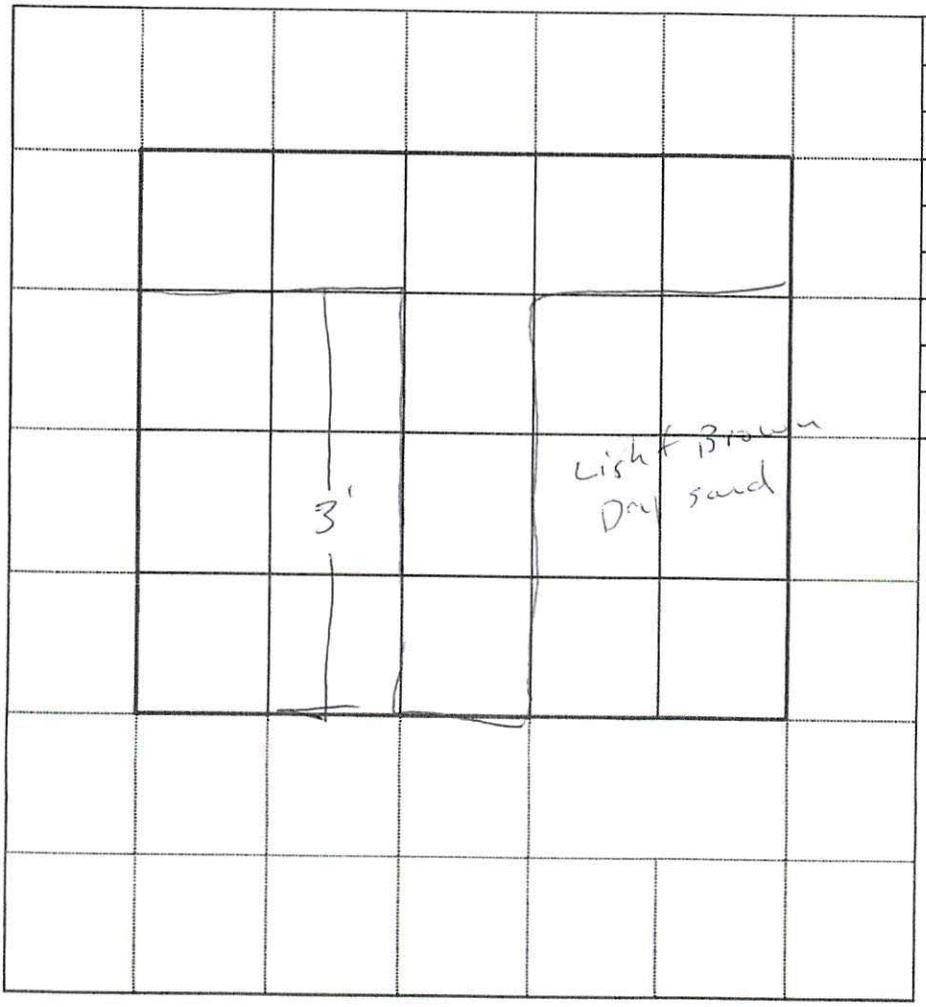
CELL/ SECTION: Area 2-2

SOIL REMEDIATIC
- QUANTITY:
- DIMENSIONS:
- VISIBLE OBSERVATIONS:
- SAMPLING PLAN:

~~36° 30.4415~~
~~107° 55.5360~~

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
	8015	
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	Chlorides	

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FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 2-3

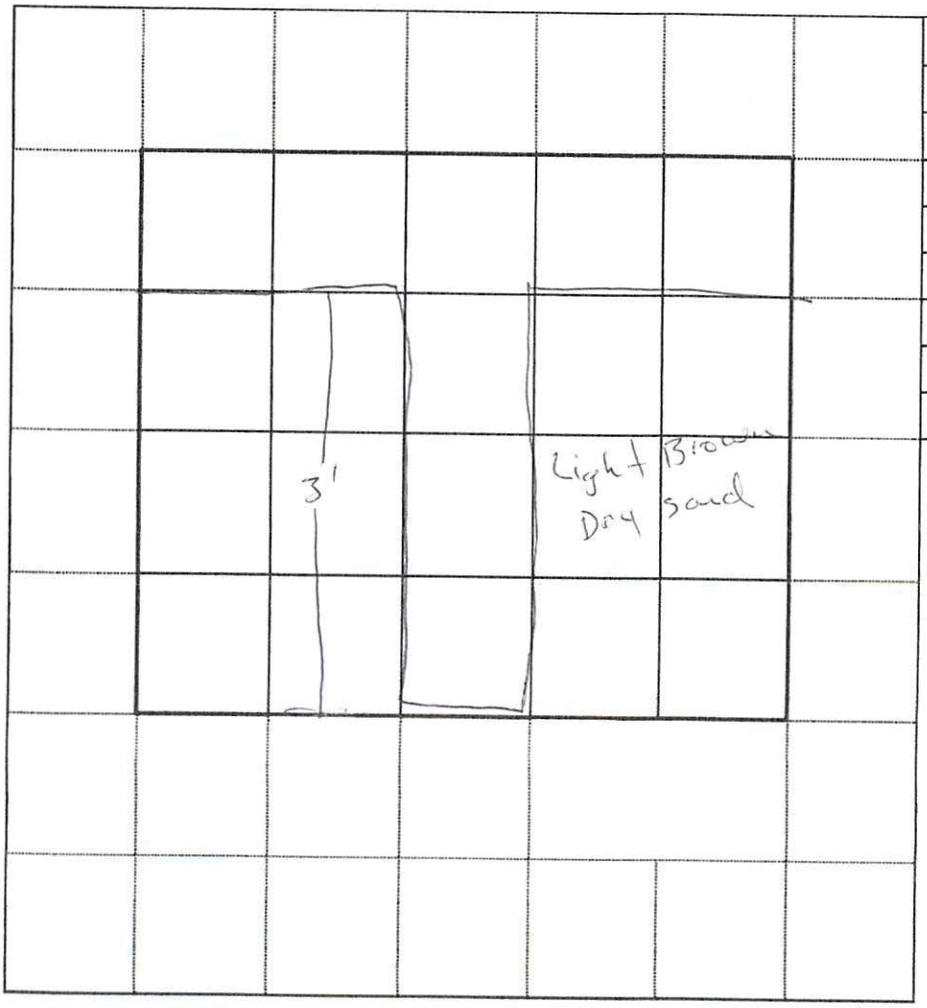
ENVIRONMENTAL SPECIALIST: T. Garcia

SOIL REMEDIATIC
QUANTITY:
DIMENSIONS:
VISIBLE OBSERVATIONS:
SAMPLING PLAN:

36° 30.445'
107° 55.56.24

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES

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FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 2-4

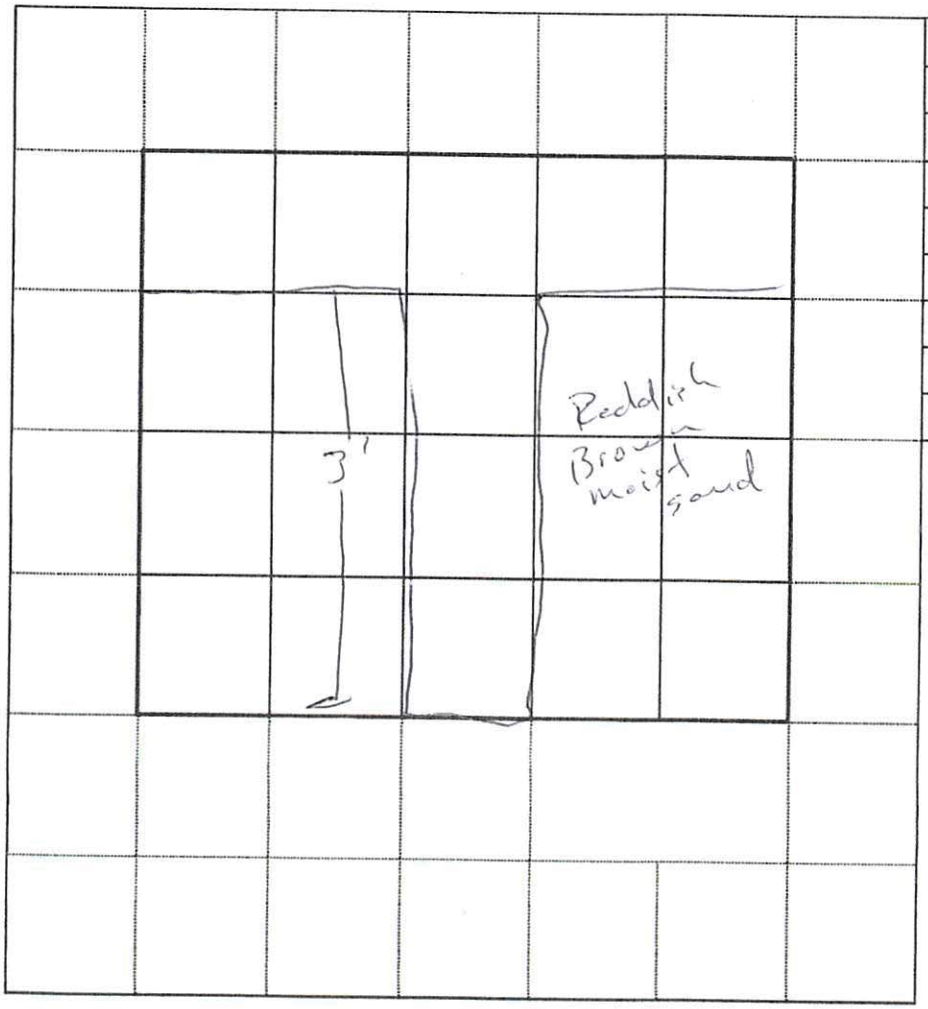
ENVIRONMENTAL SPECIALIST: R. Garcia

SOIL REMEDIATIC
- QUANTITY:
- DIMENSIONS:
- VISIBLE OBSERVATIONS:
- SAMPLING PLAN:

36° 30.4492
107° 55.8389

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
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FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 2-5

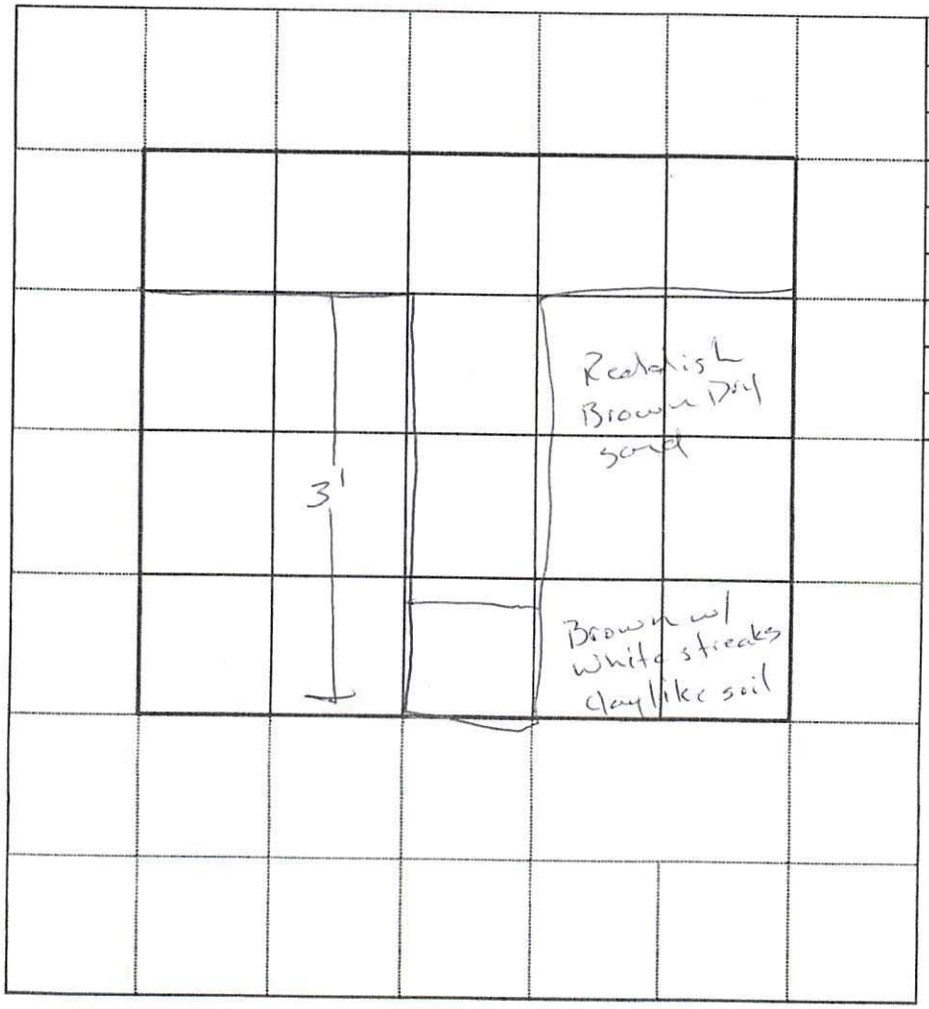
ENVIRONMENTAL SPECIALIST: T. Garcia

SOIL REMEDIATIC
QUANTITY:
DIMENSIONS:
VISIBLE OBSERVATIONS:
SAMPLING PLAN:

36° 30.4536
107° 55.8146

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
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FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 2-6

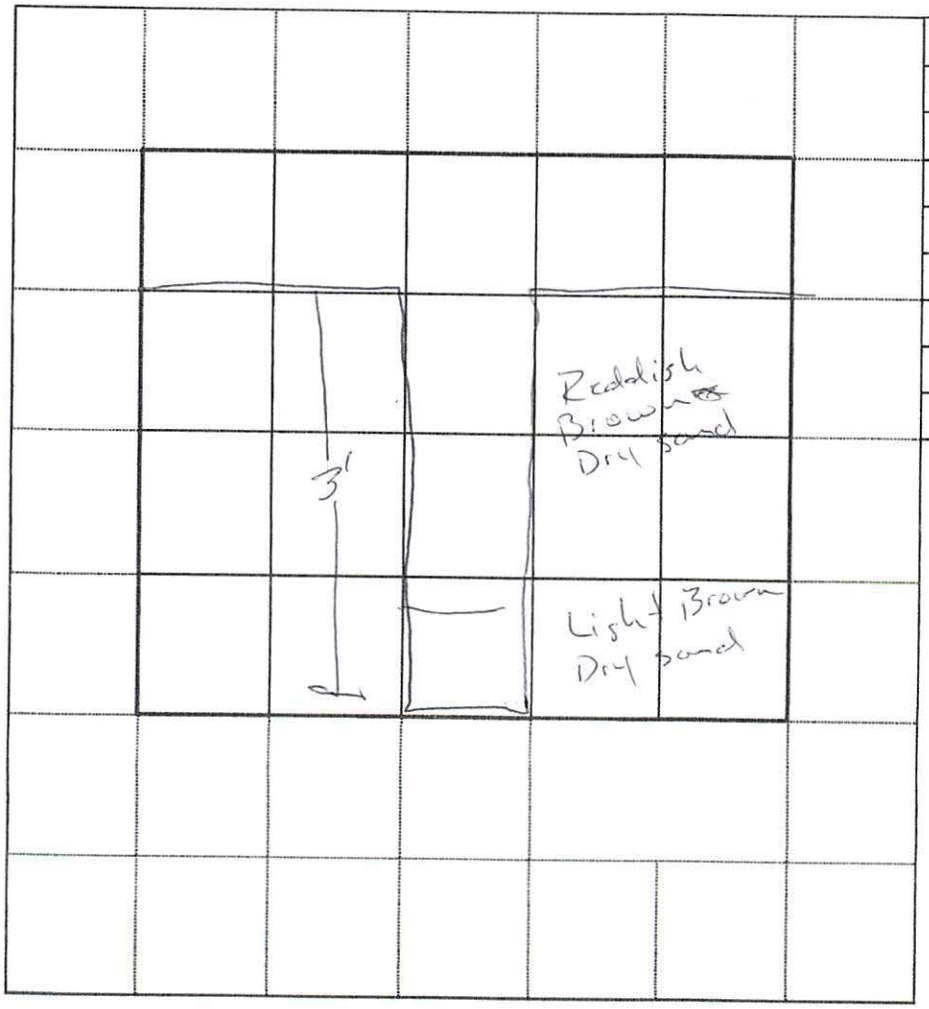
ENVIRONMENTAL SPECIALIST: T. Garcia

SOIL REMEDIATIC
- QUANTITY:
- DIMENSIONS:
- VISIBLE OBSERVATIONS:
- SAMPLING PLAN:

36° 30.4566
107° 55.7902

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
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	8021	
	Chlorides	

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5796 U.S. Hwy 64, Farmington, NM 87401

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FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

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FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 2-7

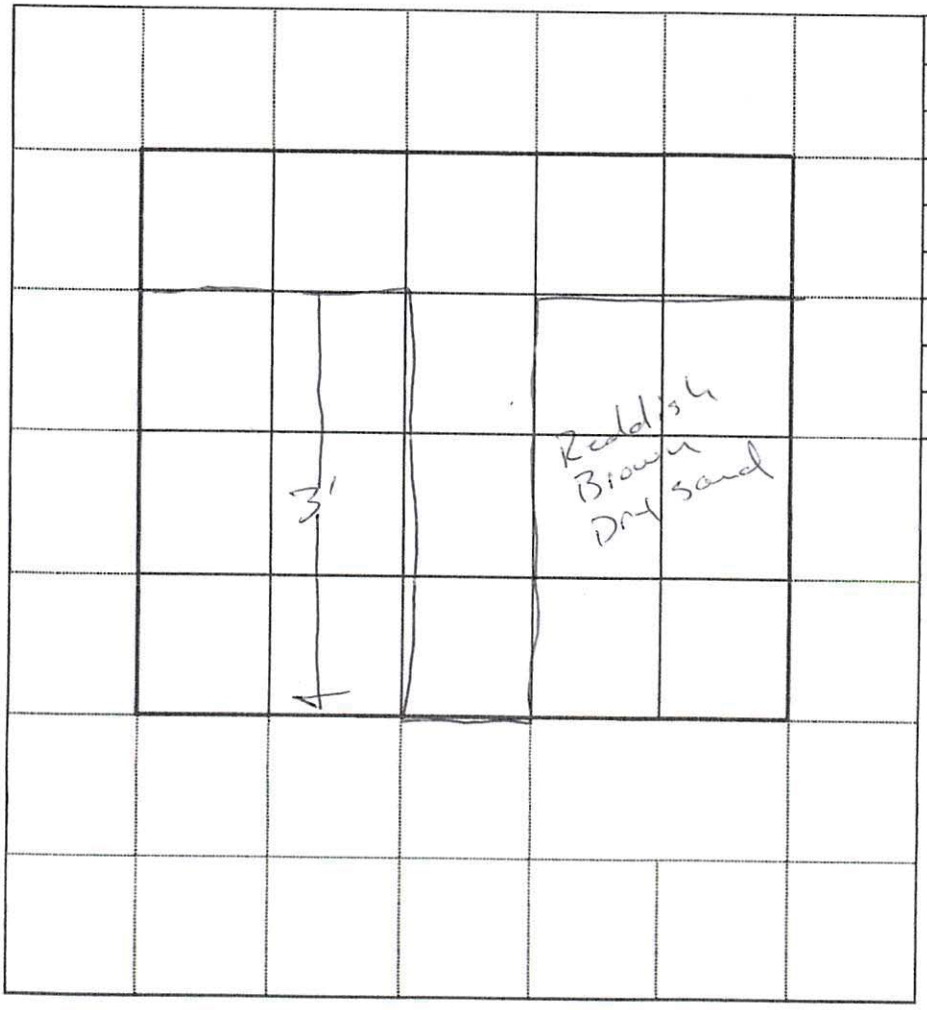
ENVIRONMENTAL SPECIALIST: T. Garcia

SOIL REMEDIATIC
- QUANTITY:
- DIMENSIONS:
- VISIBLE OBSERVATIONS:
- SAMPLING PLAN:

36° 30.4601
107° 55.7668

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
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	8021	
	Chlorides	

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FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 2-8

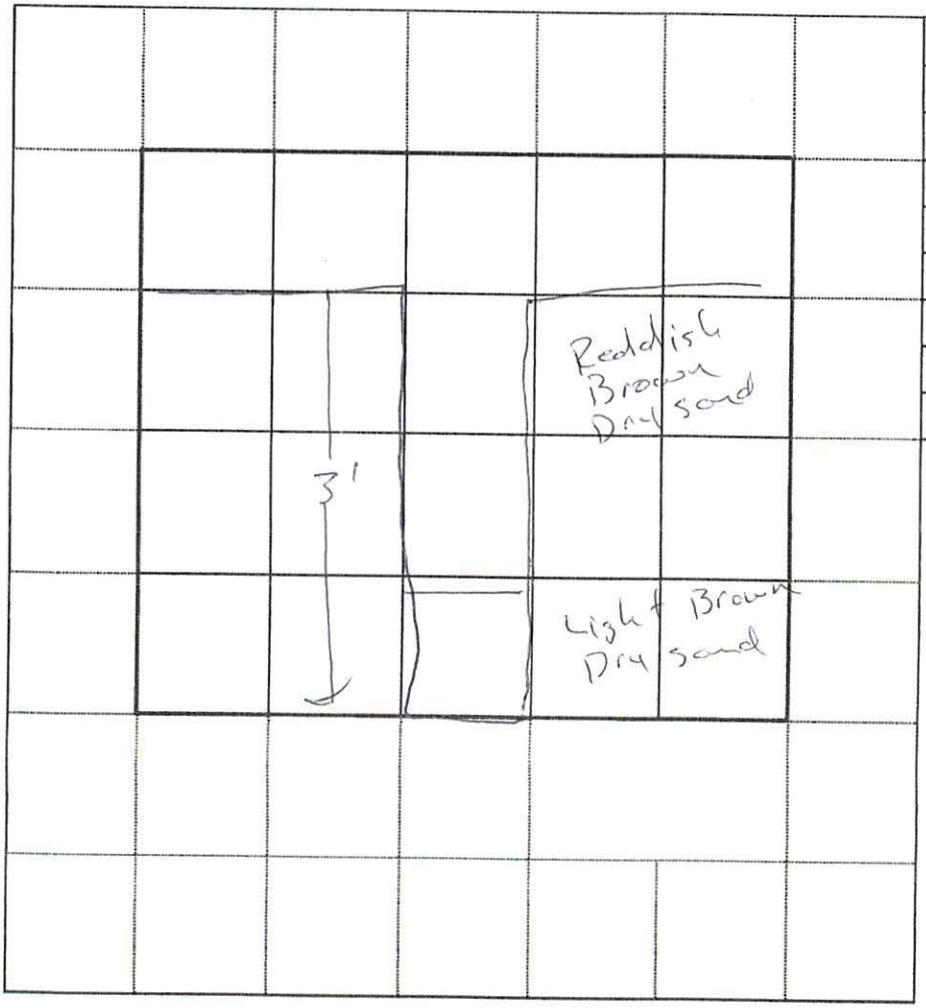
ENVIRONMENTAL SPECIALIST: T. Garcia

SOIL REMEDIATIC
- QUANTITY:
- DIMENSIONS:
- VISIBLE OBSERVATIONS:
- SAMPLING PLAN:

36° 30.4642
107° 55.7437

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

envirotech
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5796 U.S. Hwy 64, Farmington, NM 87401

Project No: 1st Quarter Treatment Zone Sampling

COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

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DATE STARTED: 3/21/16

DATE FINISHED: 3/21/16

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 2-9

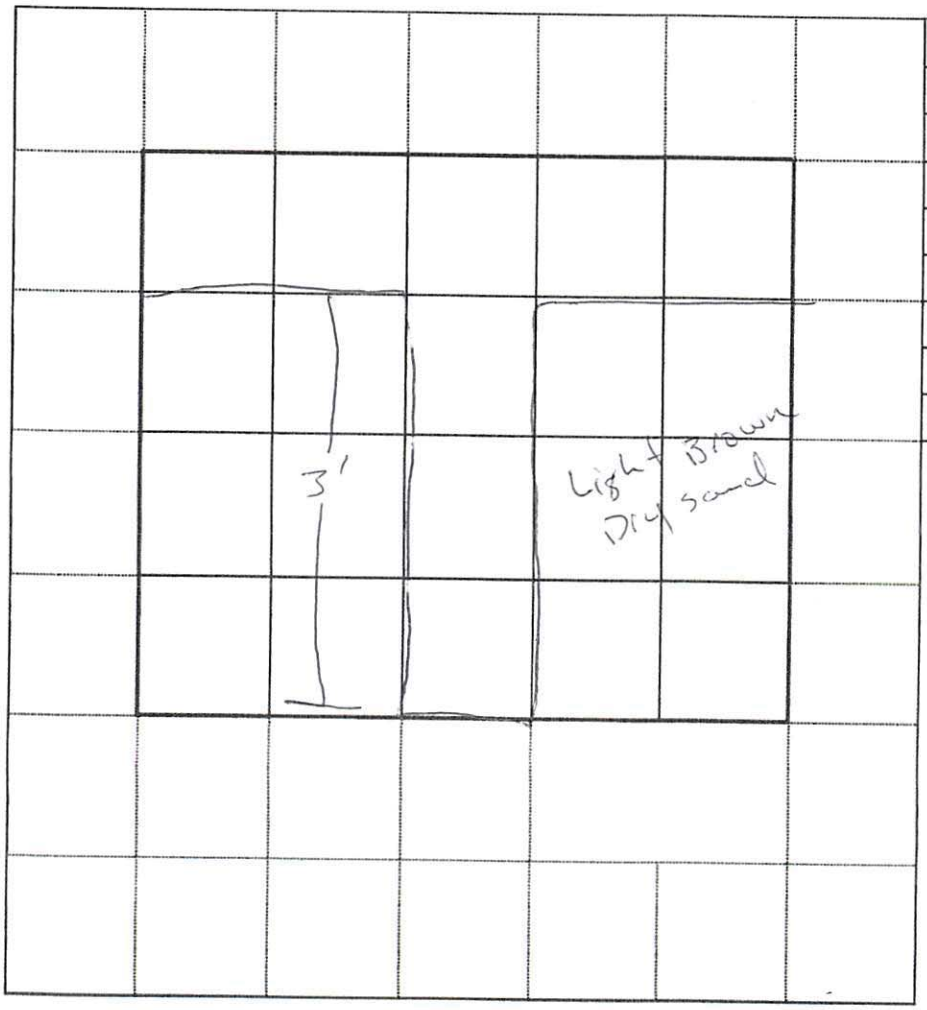
ENVIRONMENTAL SPECIALIST: E. Garcia

SOIL REMEDIATIC
- QUANTITY:
- DIMENSIONS:
- VISIBLE OBSERVATIONS:
- SAMPLING PLAN:

36° 30.498
107° 55.729

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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Project No: 1st Quarter Treatment Zone Sampling

COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

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DATE STARTED: 3/21/16

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FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 2-10

ENVIRONMENTAL SPECIALIST: E. Garcia

SOIL REMEDIATIC

QUANTITY:

DIMENSIONS:

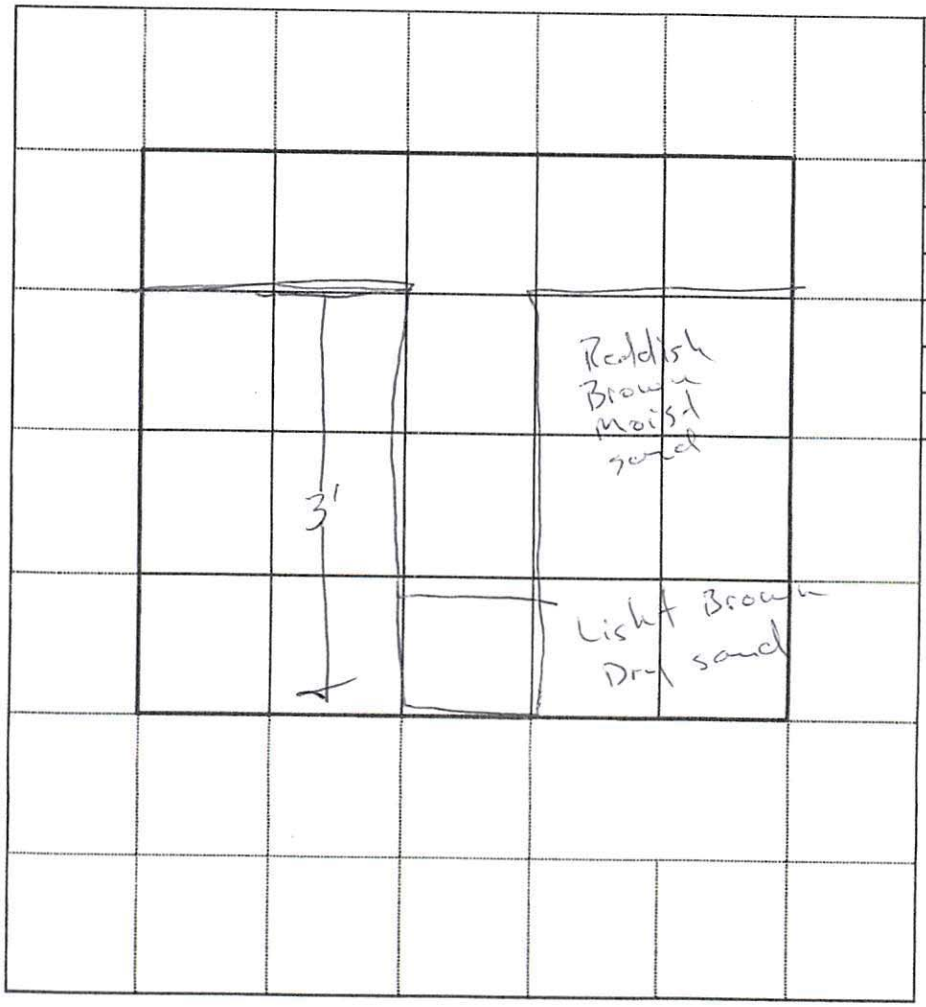
VISIBLE OBSERVATIONS:

SAMPLING PLAN:

36° 30.4950
107° 55.7541

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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Project No: 1st Quarter Treatment Zone Sampling

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FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 2-11

ENVIRONMENTAL SPECIALIST: R. Garcia

SOIL REMEDIATION:

QUANTITY:

DIMENSIONS:

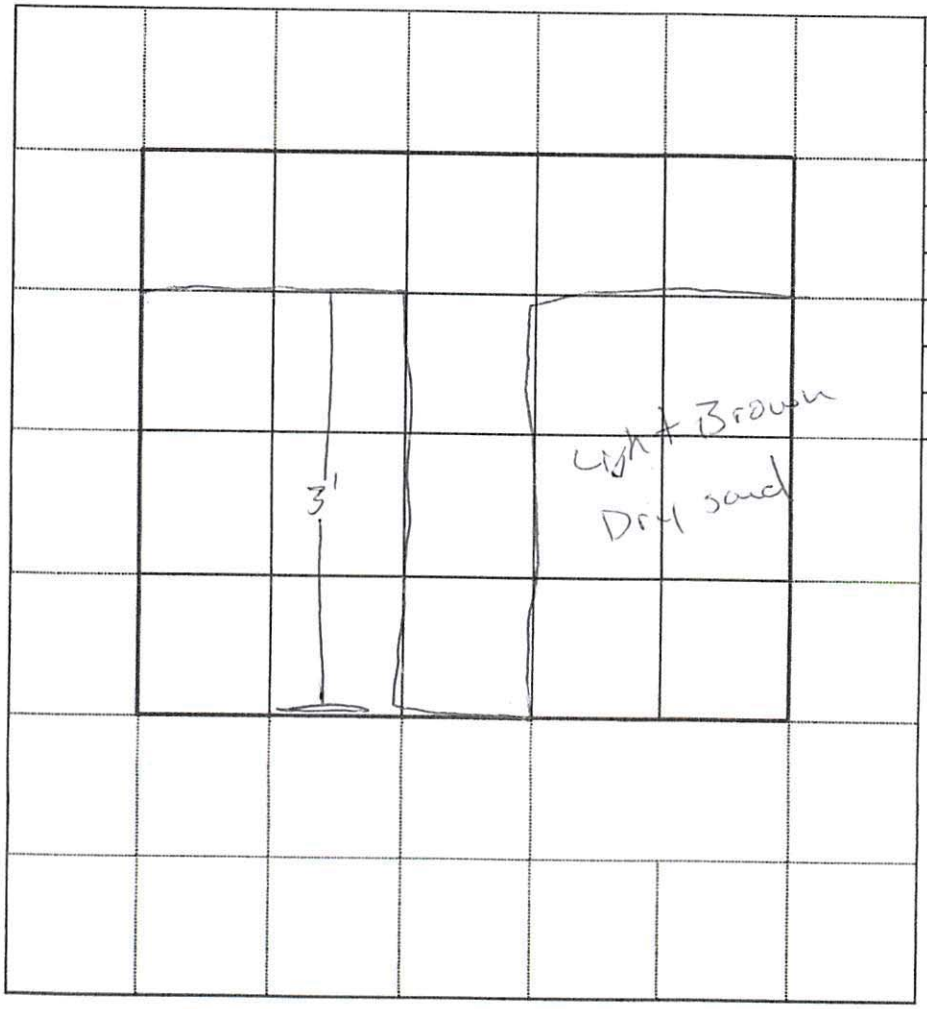
VISIBLE OBSERVATIONS:

SAMPLING PLAN:

36° 30.4913
107° 55.7779

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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ENVIRONMENTAL SPECIALIST: R. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

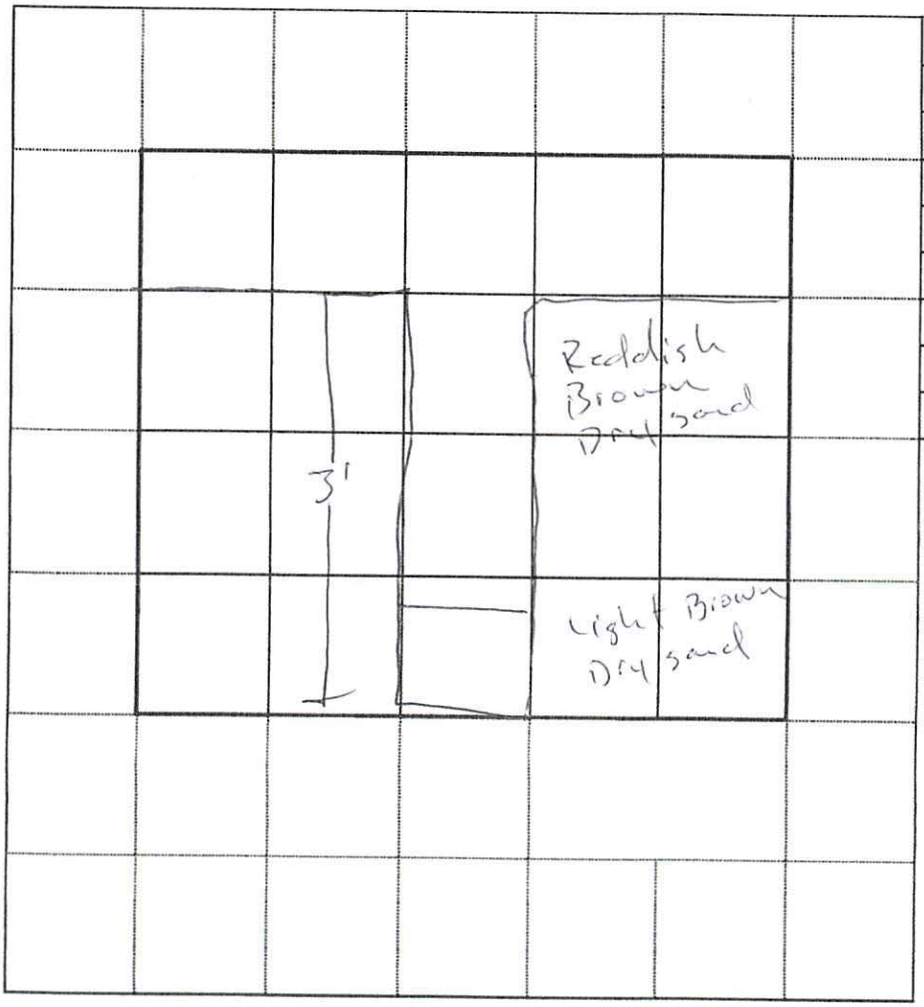
CELL/ SECTION: Area 2-12

SOIL REMEDIATIC
- QUANTITY:
- DIMENSIONS:
- VISIBLE OBSERVATIONS:
- SAMPLING PLAN:

36° 30.4895
107° 55.8012

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 2-13

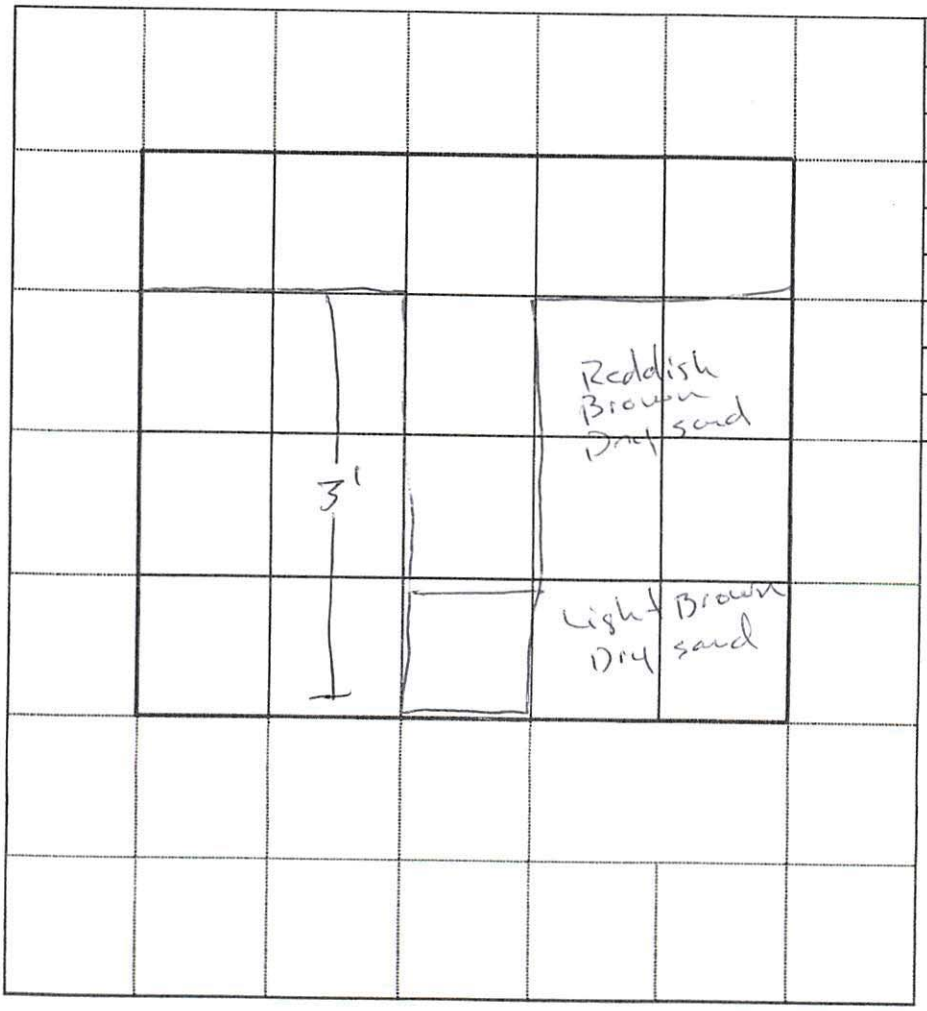
ENVIRONMENTAL SPECIALIST: J. Garcia

SOIL REMEDIATIC
- QUANTITY:
- DIMENSIONS:
- VISIBLE OBSERVATIONS:
- SAMPLING PLAN:

36° 30.4865
107° 55.8246

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

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ENVIRONMENTAL SPECIALIST: E. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

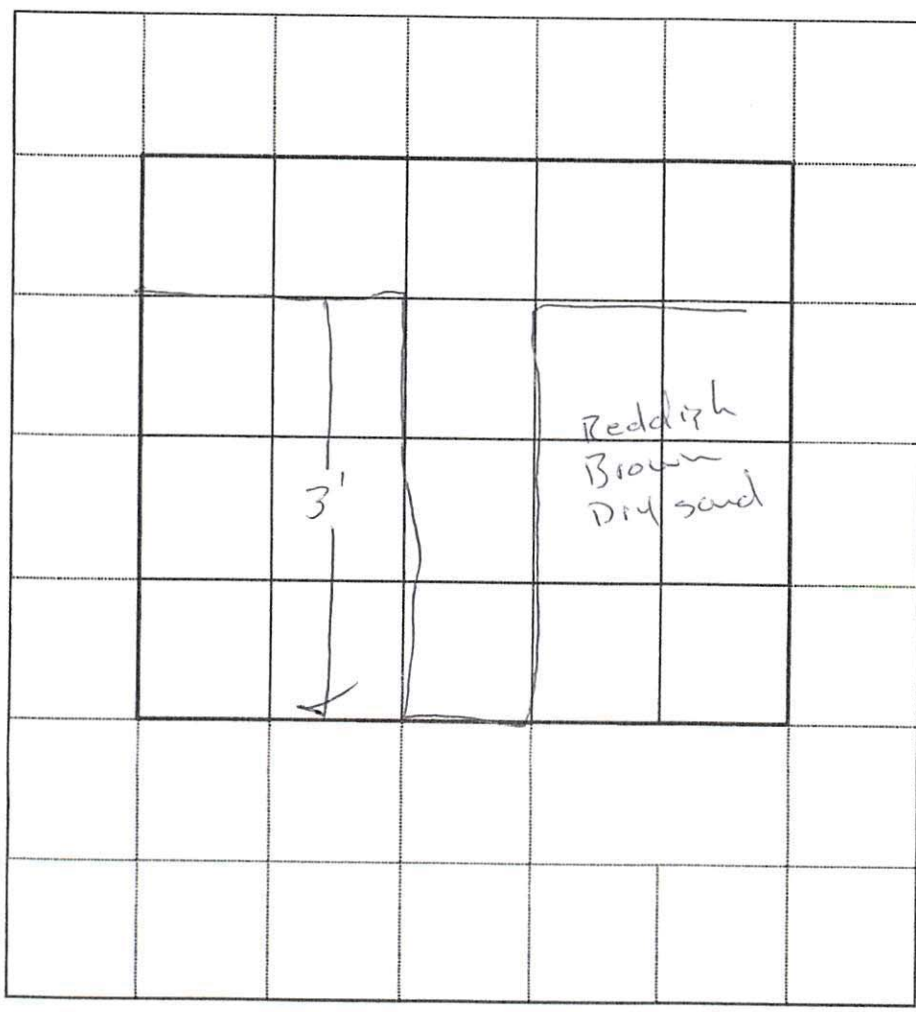
CELL/ SECTION: Area 2-14

SOIL REMEDIATIC
- QUANTITY:
- DIMENSIONS:
- VISIBLE OBSERVATIONS:
- SAMPLING PLAN:

~~36° 30. 48 39~~
~~107° 55.8474~~

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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Project No: 1st Quarter Treatment Zone Sampling

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FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

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DATE STARTED: 3/21/16

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FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 2-15

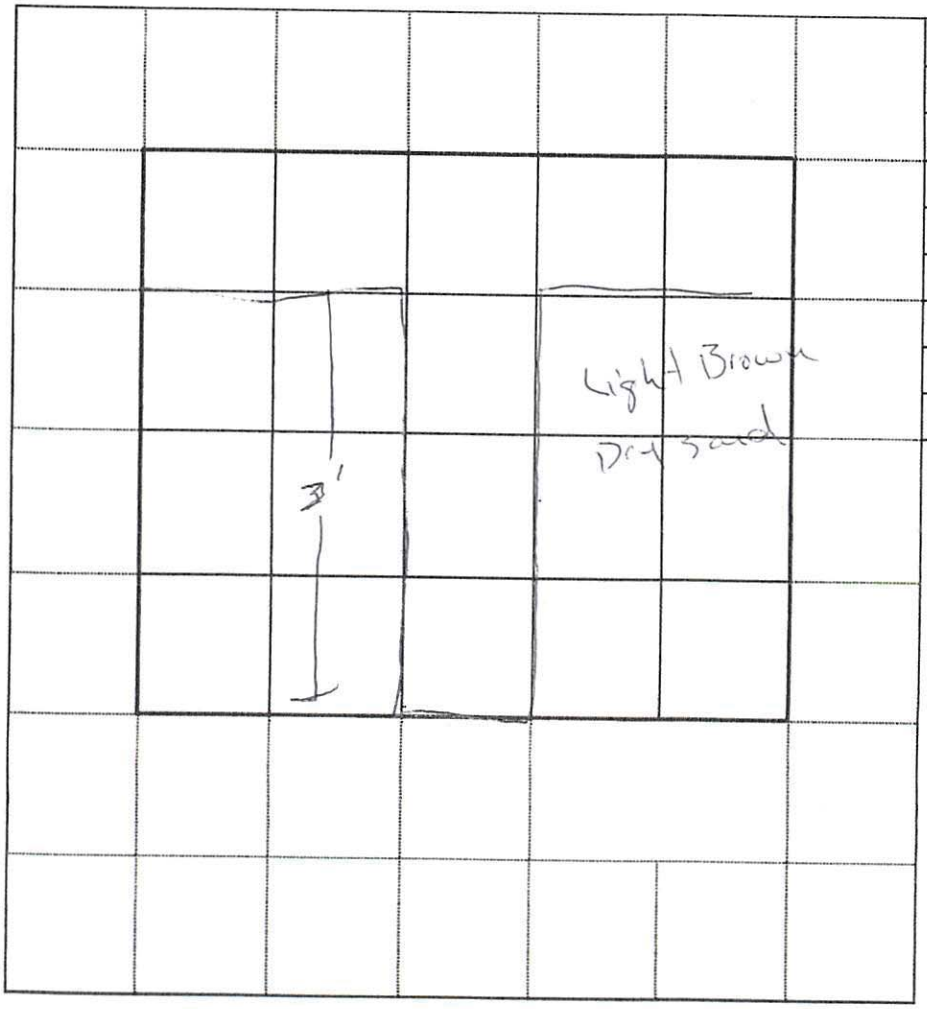
ENVIRONMENTAL SPECIALIST: T. Harga

SOIL REMEDIATIC
QUANTITY:
DIMENSIONS:
VISIBLE OBSERVATIONS:
SAMPLING PLAN:

36° 30.4805
107° 55.8645

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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Project No: 1st Quarter Treatment Zone Sampling

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FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 2-16

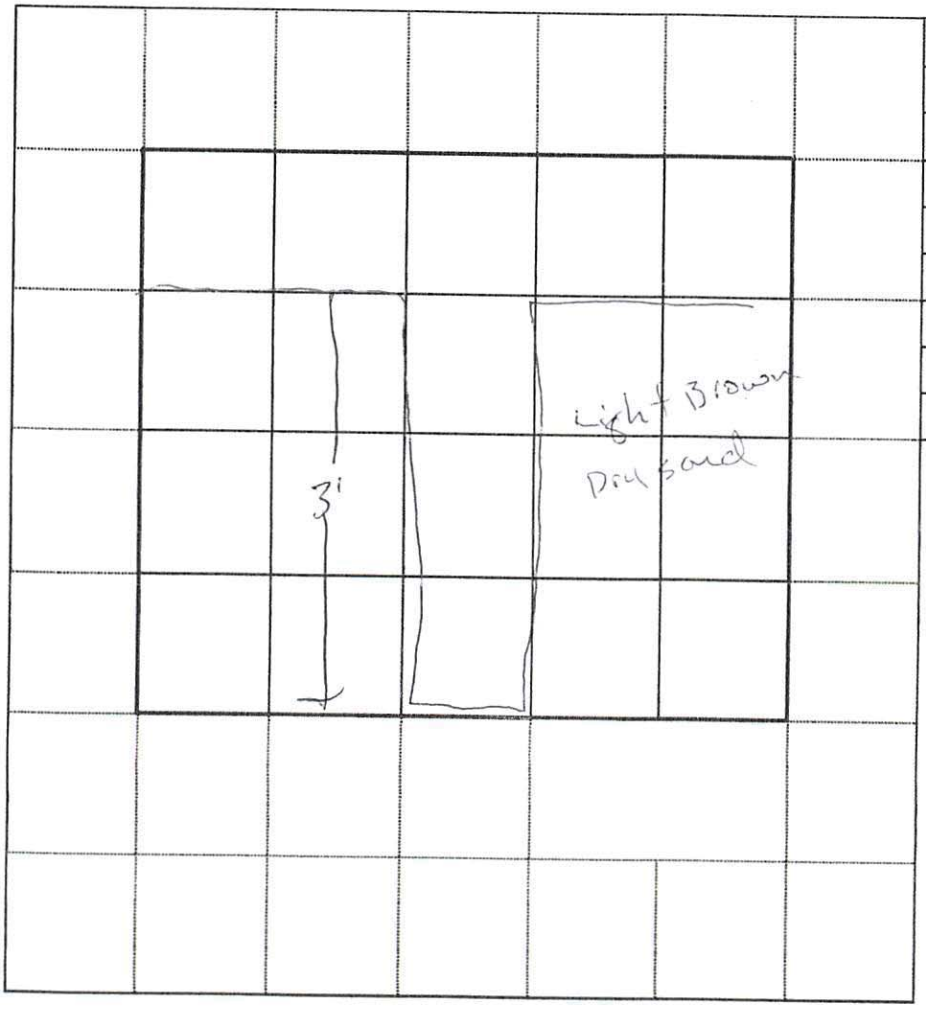
ENVIRONMENTAL SPECIALIST: R. Garcia

SOIL REMEDIATIC
- QUANTITY:
- DIMENSIONS:
- VISIBLE OBSERVATIONS:
- SAMPLING PLAN:

36° 30.4758
107° 55.8902

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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Project No: 1st Quarter Treatment Zone Sampling

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DATE STARTED: 3/22/16

DATE FINISHED: 3/22/16

ENVIRONMENTAL SPECIALIST: S. Lea ~~Falynn Burns~~

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 3-1

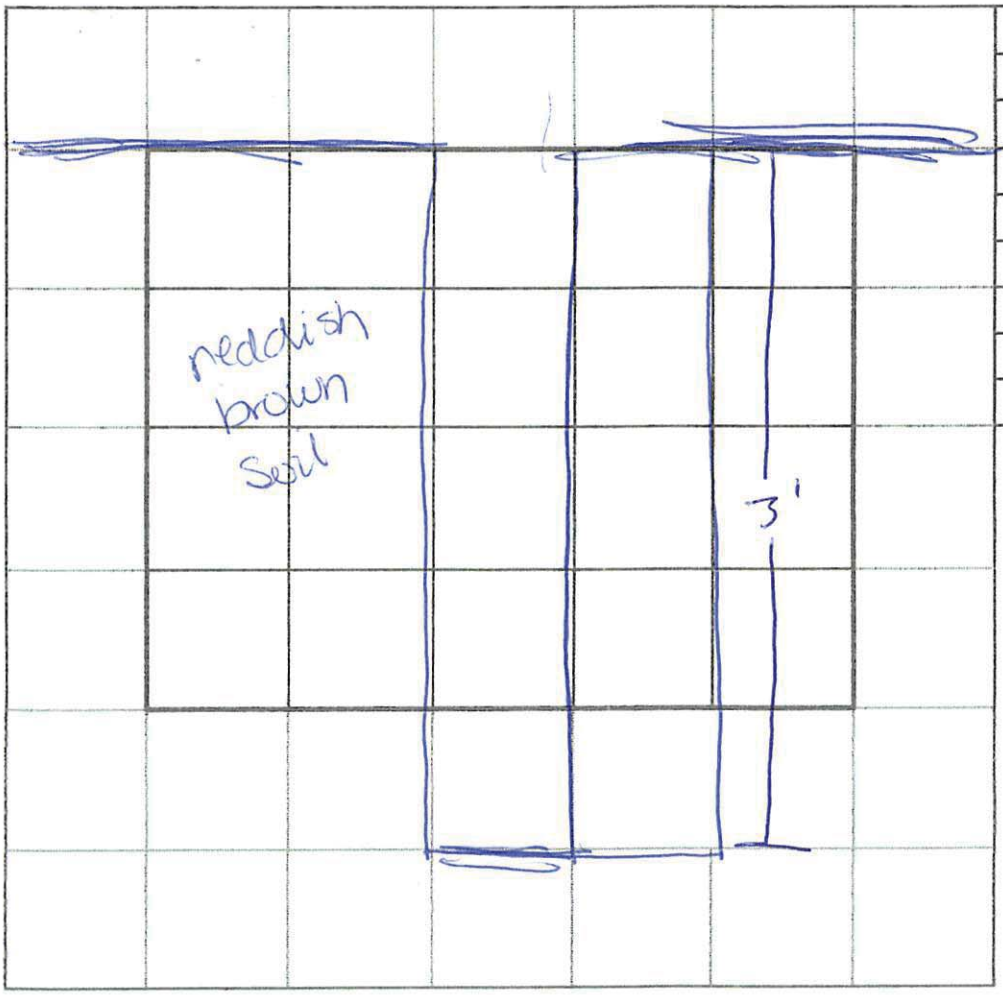
SOIL REMEDIATION	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

36° 30. 2980

107° 55. 9278

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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Project No: 1st Quarter Treatment Zone Sampling

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FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

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DATE STARTED: 3/22/16

DATE FINISHED: 3/22/16

ENVIRONMENTAL SPECIALIST: ~~Falynn Burns~~ S. Leon

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 3-2

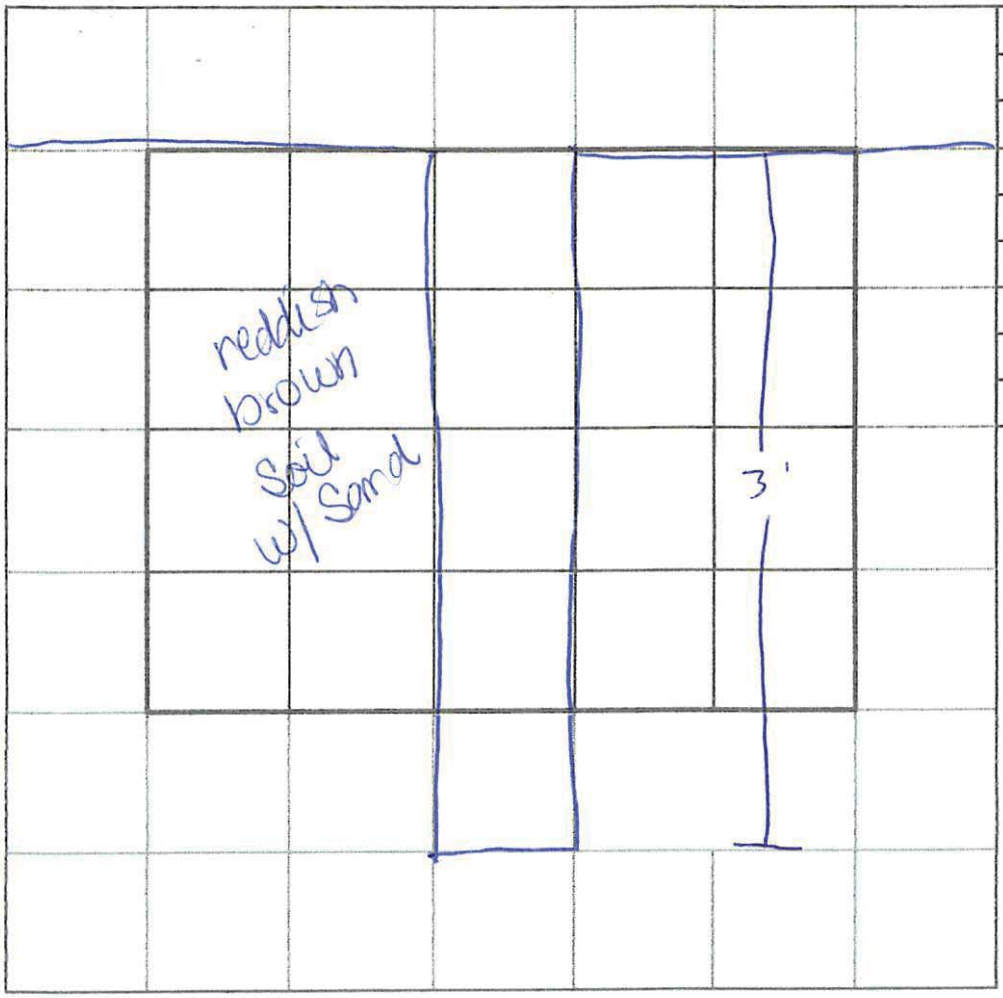
SOIL REMEDIATION	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

36° 30.3100

107° 55.9246

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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Project No: 1st Quarter Treatment Zone Sampling

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FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

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DATE STARTED: 3/22/16

DATE FINISHED: 3/22/16

ENVIRONMENTAL SPECIALIST: ~~Falynn Burns~~ S. Green

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 3-3

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

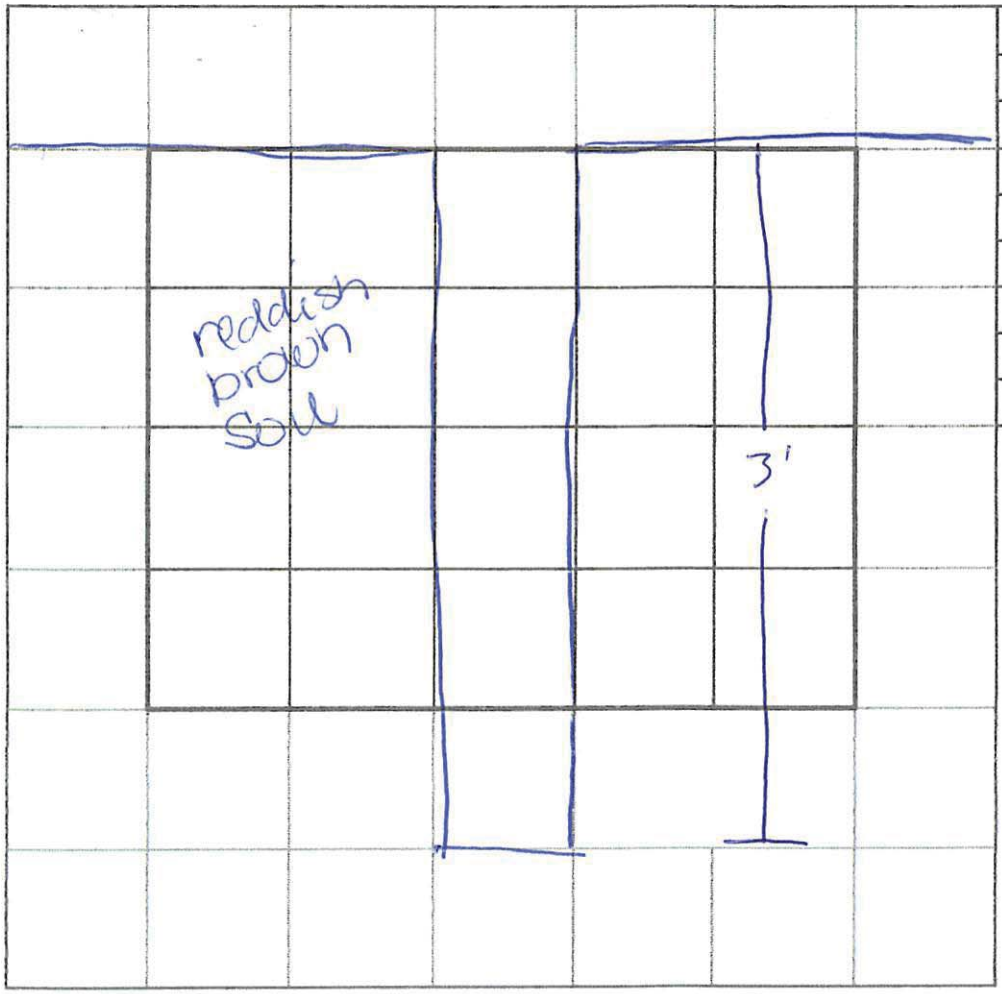
SAMPLING PLAN:

36° 30. 3211

107° 55. 9222

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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Project No: 1st Quarter Treatment Zone Sampling

COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

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DATE STARTED: 3/22/16

DATE FINISHED: 3/22/16

ENVIRONMENTAL SPECIALIST: ~~Falynn Burns~~ S. Pelo

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 3-4

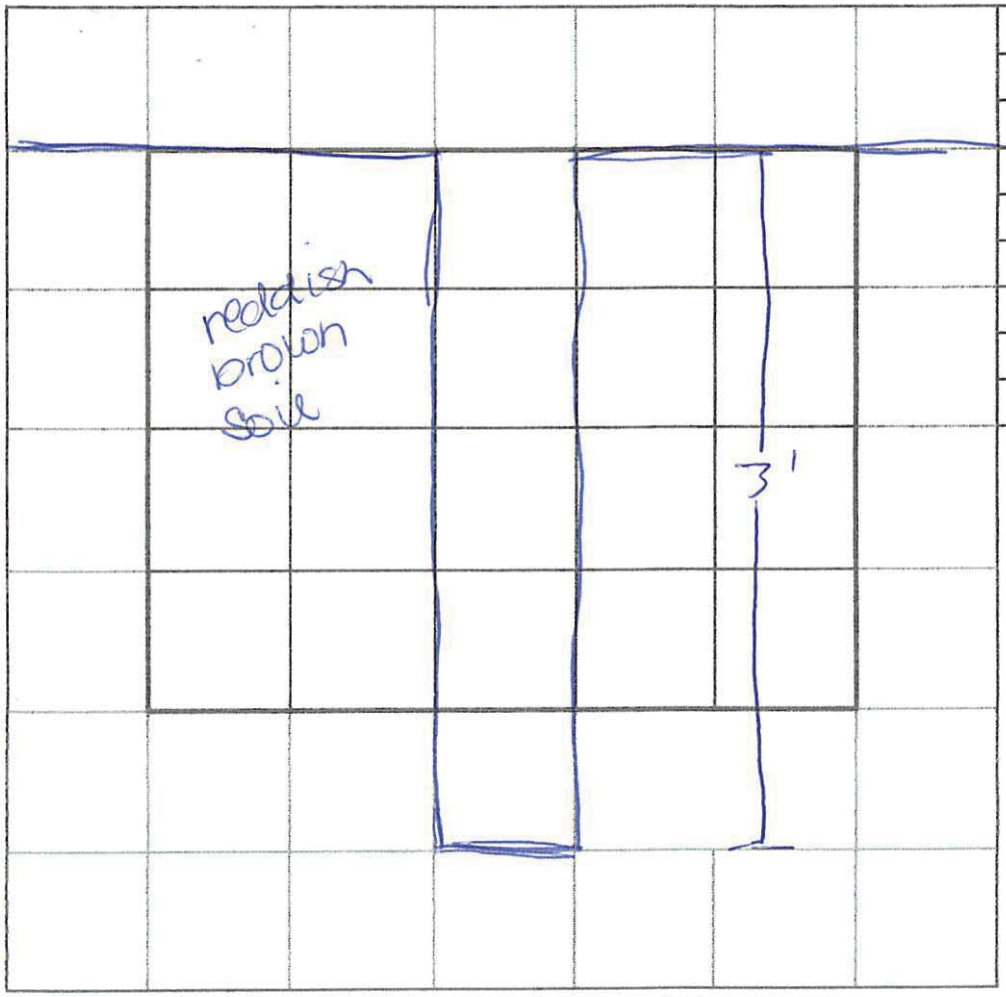
SOIL REMEDIATION	
	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

36° 30. 3331

107° 55. 920 W

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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Project No: 1st Quarter Treatment Zone Sampling

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FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

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DATE STARTED: 3/22/16

DATE FINISHED: 3/22/16

ENVIRONMENTAL SPECIALIST: ~~Falynn Burns~~ Falynn Burns

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 3-5

SOIL REMEDIATION:

QUANTITY:

DIMENSIONS:

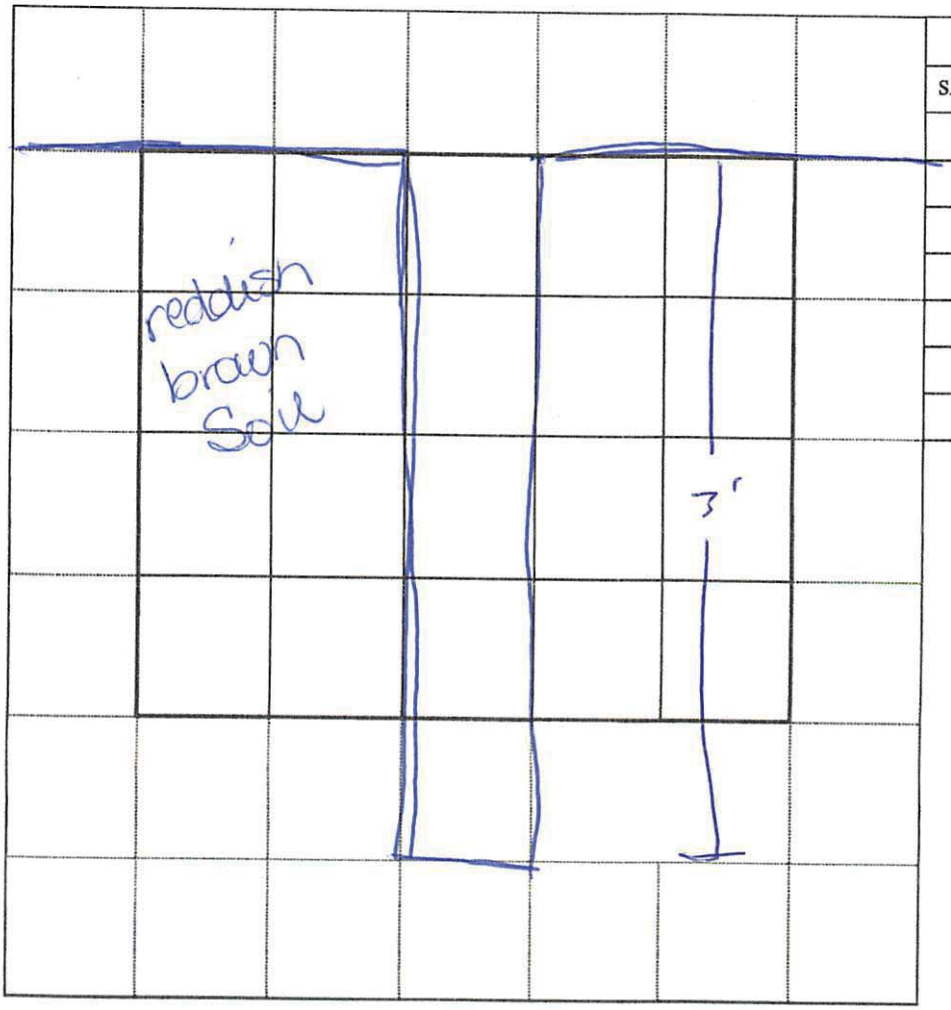
VISIBLE OBSERVATIONS:

SAMPLING PLAN:

36° 30, 3341
107° 55, 9030

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

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DATE STARTED: 3/22/16

DATE FINISHED: 3/22/16

ENVIRONMENTAL SPECIALIST: ~~Falynn Burns~~ S Green

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

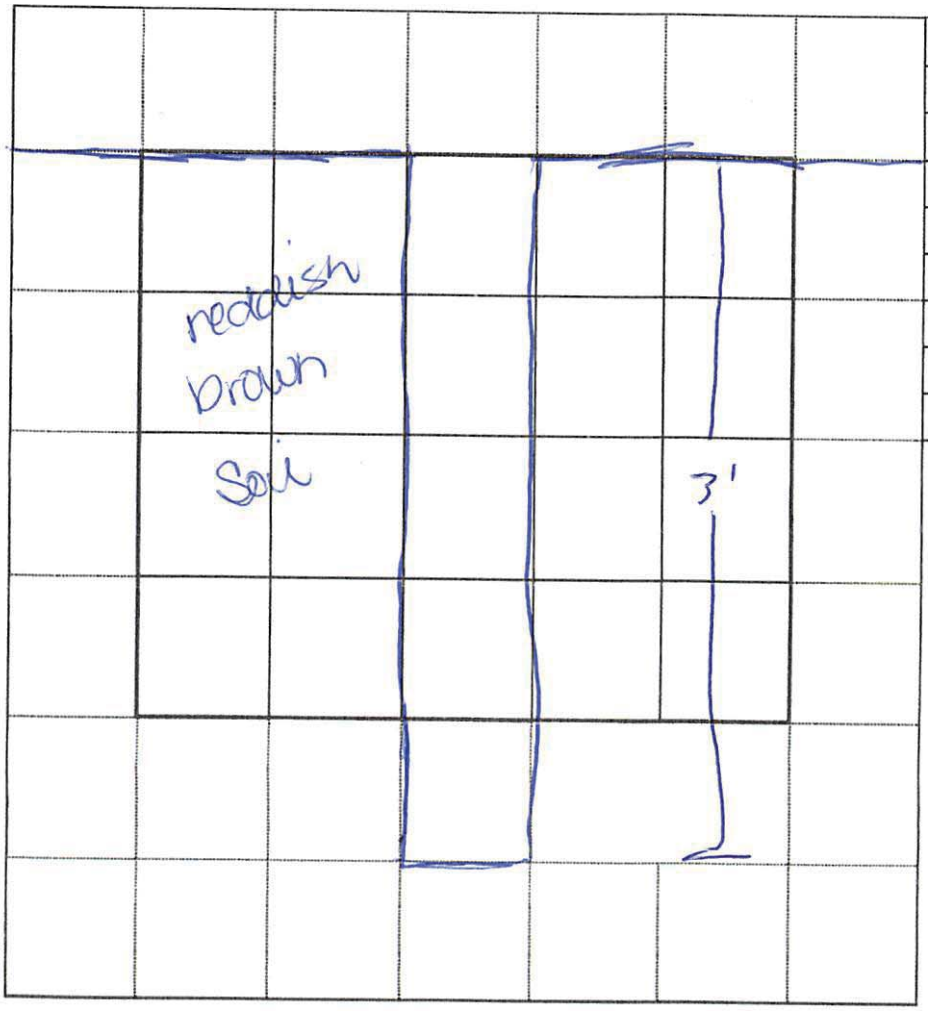
CELL/ SECTION: Area 3-6

SOIL REMEDIATIC
QUANTITY:
DIMENSIONS:
VISIBLE OBSERVATIONS:
SAMPLING PLAN:

36° 30.3230
107° 55.9040

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

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DATE STARTED: 3/22/10

DATE FINISHED: 3/22/10

ENVIRONMENTAL SPECIALIST: Falynn Burns

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

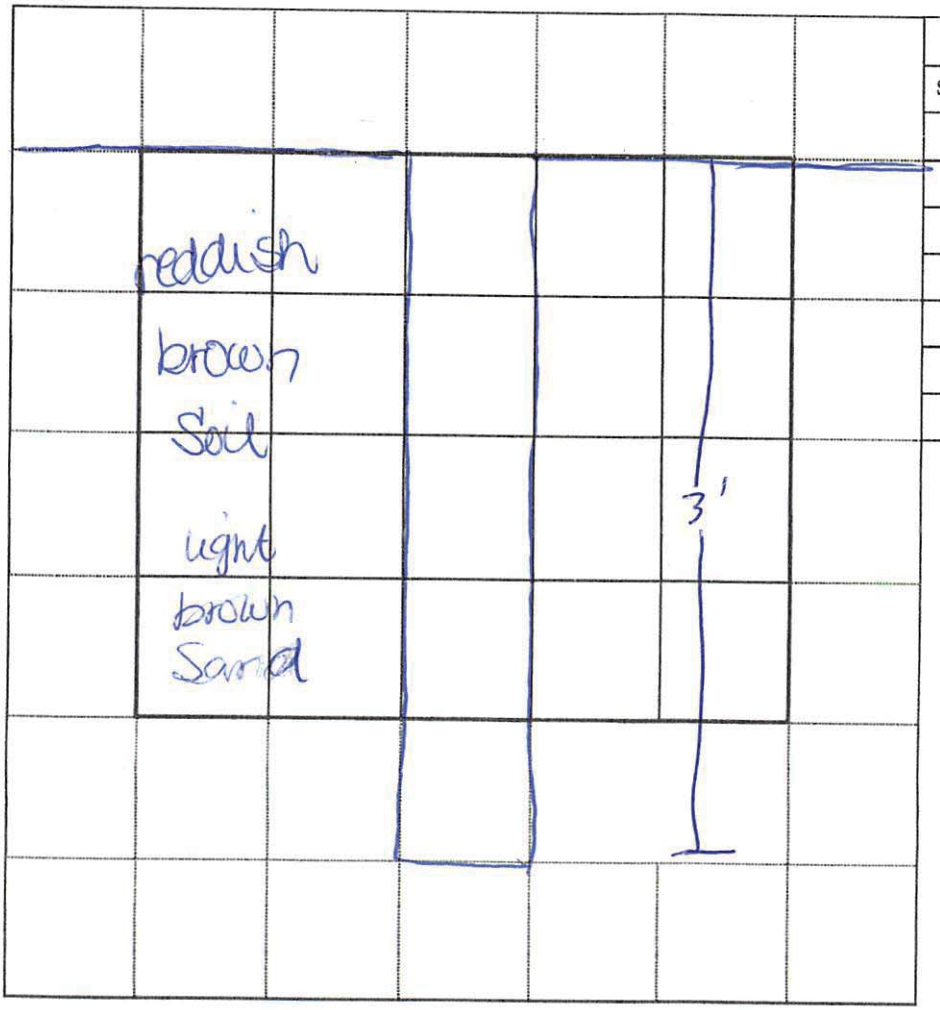
CELL/ SECTION: Area 3-7

SOIL REMEDIATIC
- QUANTITY:
- DIMENSIONS:
- VISIBLE OBSERVATIONS:
- SAMPLING PLAN:

36° 30. 3115
107° 55. 9007

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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DATE FINISHED: 3/22/16

FACILITY LOCATION: ENVIRONTECH, INC., LANDFARM

LANDFARM FIELD: LF-41

CELL/ SECTION: Area 3-8

ENVIRONMENTAL SPECIALIST: ~~Falynn Burns~~ S Kerr

SOIL REMEDIATION:

QUANTITY:

DIMENSIONS:

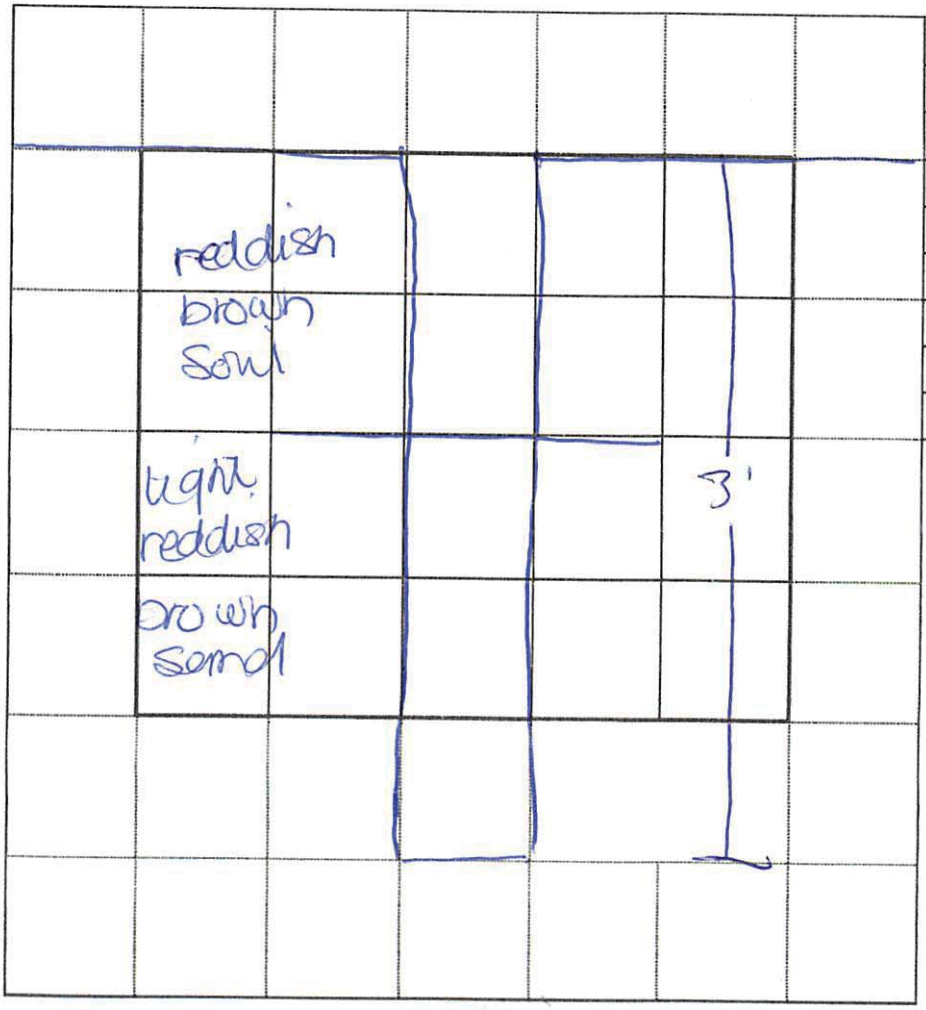
VISIBLE OBSERVATIONS:

SAMPLING PLAN:

36° 30. 2993
107° 55. 9019

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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DATE FINISHED: 3/29/16

ENVIRONMENTAL SPECIALIST: S. Rea ~~Falynn Burns~~

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF - 4

CELL/ SECTION: Area 3-9

SOIL REMEDIATION:

QUANTITY:

DIMENSIONS:

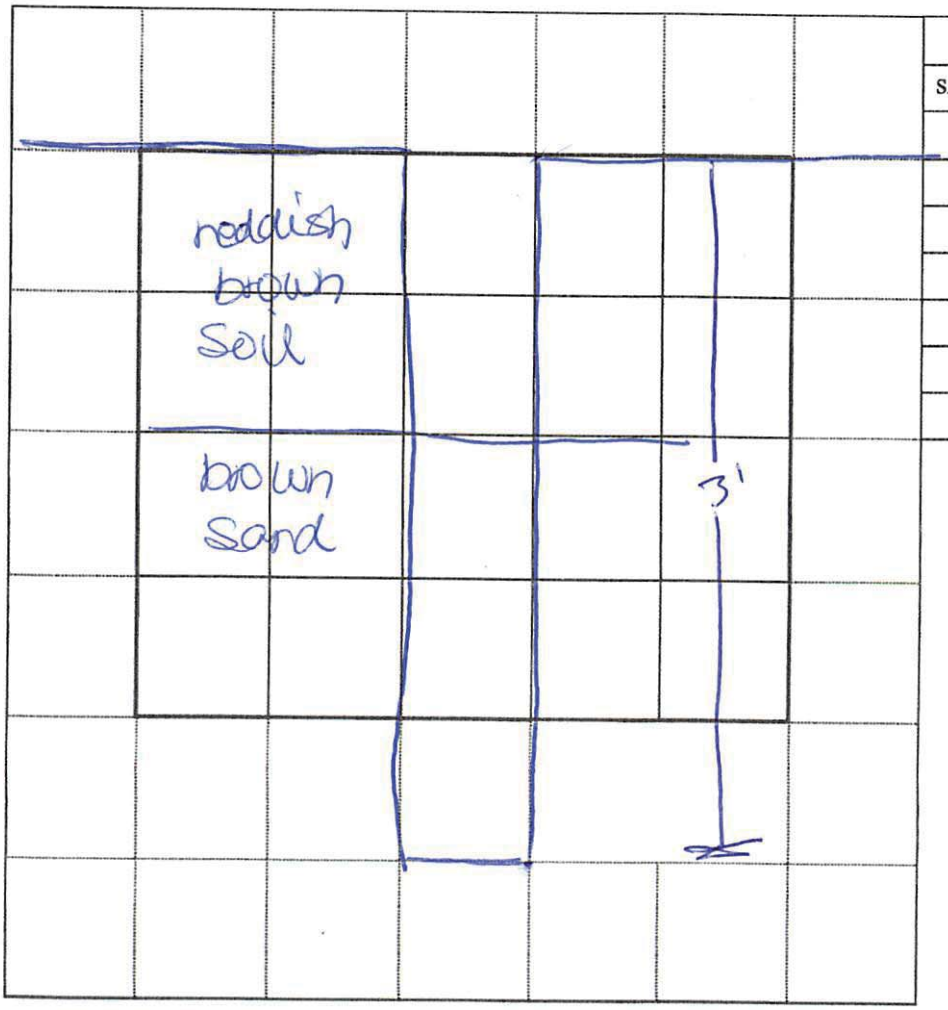
VISIBLE OBSERVATIONS:

SAMPLING PLAN:

36° 30.2978
107° 55.8823

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

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DATE FINISHED: 3/22/16

ENVIRONMENTAL SPECIALIST: Falynn Burns

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 3-10

SOIL REMEDIATION:

QUANTITY:

DIMENSIONS:

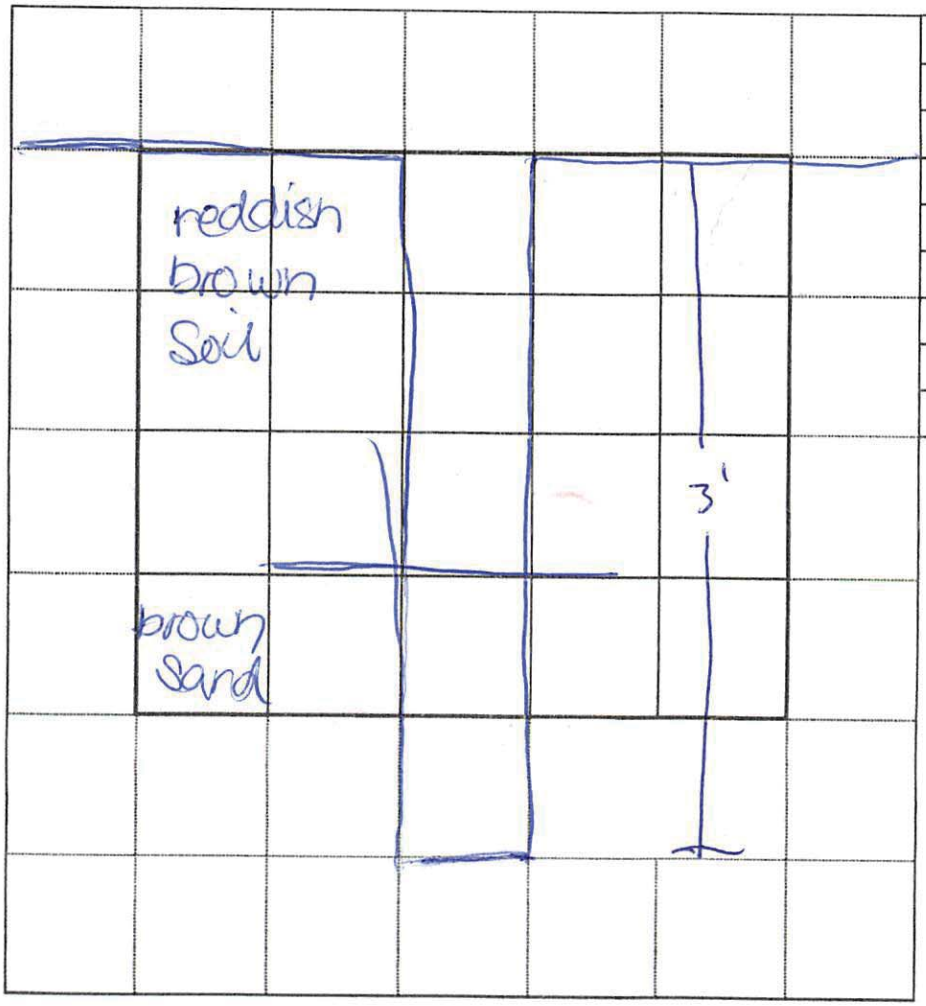
VISIBLE OBSERVATIONS:

SAMPLING PLAN:

36° 30.3098
107° 55.8794

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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ENVIRONMENTAL SPECIALIST: ~~Falynn Burns~~ S. Perez

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 3-11

SOIL REMEDIATIC

QUANTITY:

DIMENSIONS:

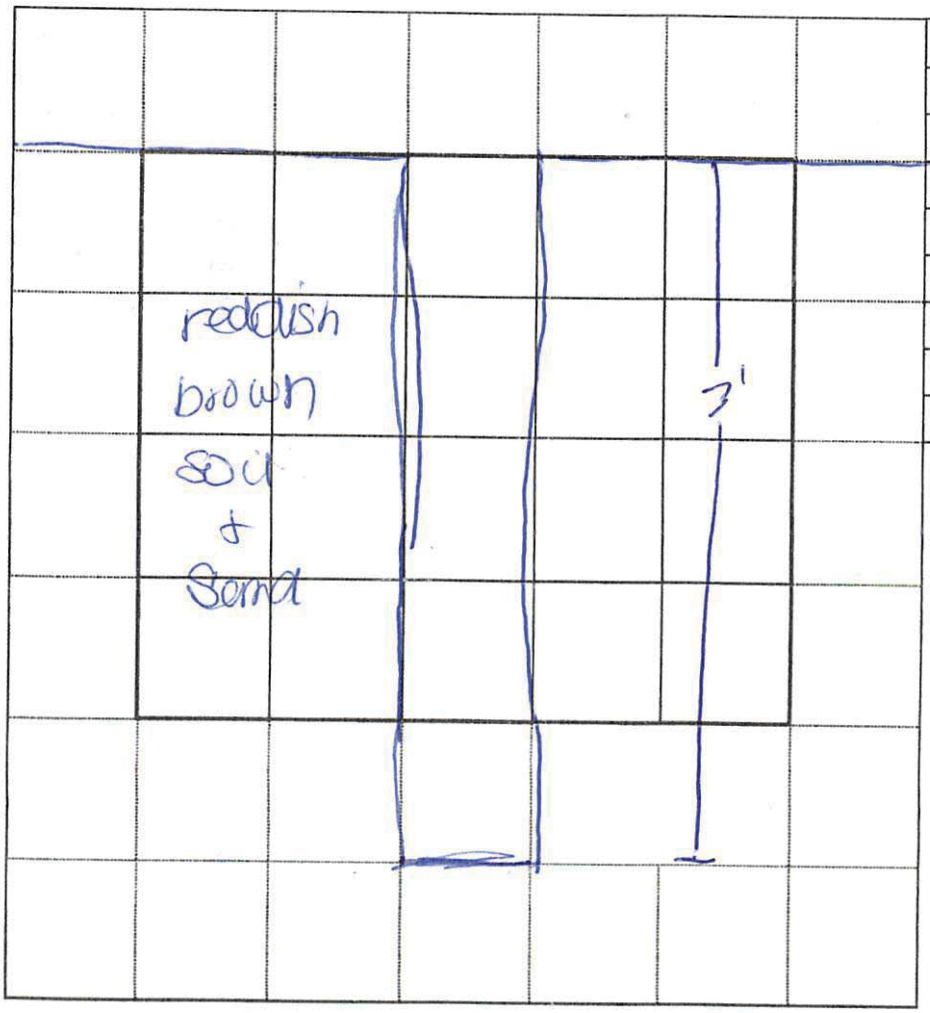
VISIBLE OBSERVATIONS:

SAMPLING PLAN:

36° 30.3214
107° 55.8761

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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ENVIRONMENTAL SPECIALIST: Falynn Burns

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 3-12

SOIL REMEDIATION:

QUANTITY:

DIMENSIONS:

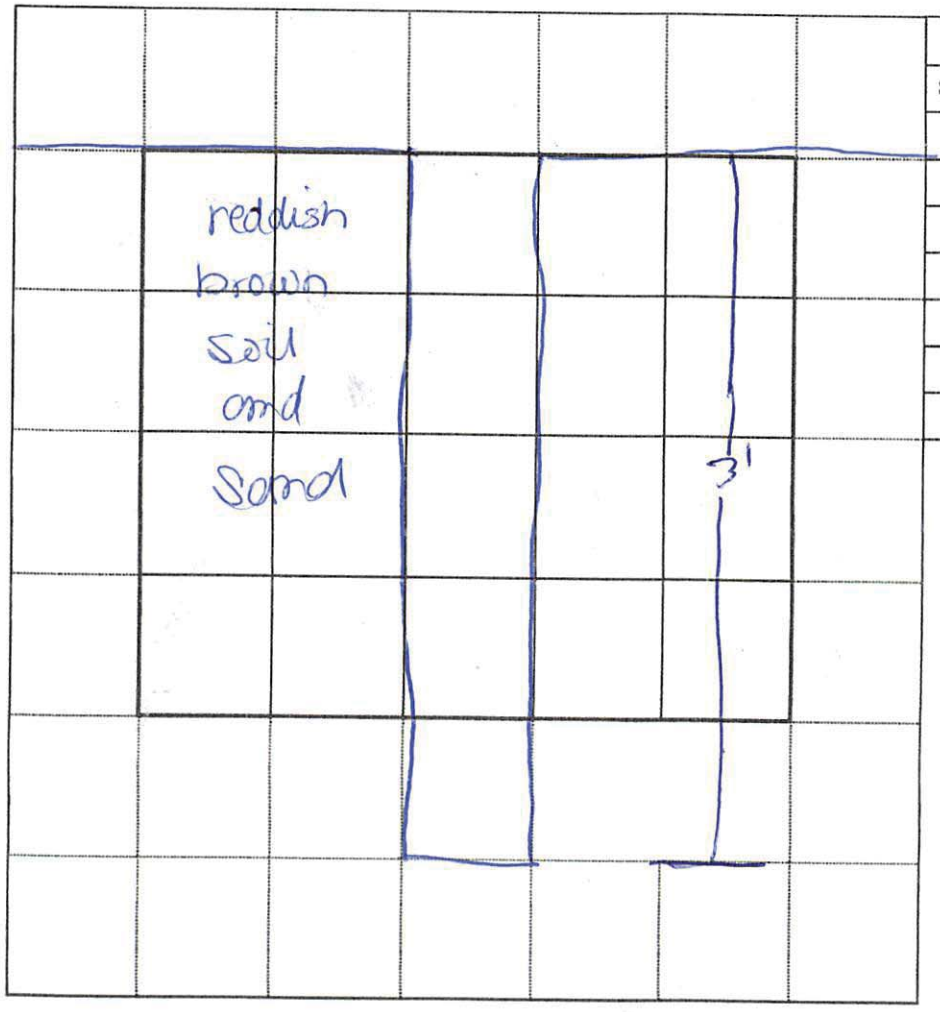
VISIBLE OBSERVATIONS:

SAMPLING PLAN:

36° 30. 3332
107° 55. 8724

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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5796 U.S. Hwy 64, Farmington, NM 87401

Project No: 1st Quarter Treatment Zone Sampling

COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

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DATE STARTED: 3/22/16

DATE FINISHED: 3/22/16

ENVIRONMENTAL SPECIALIST: ~~Falynn Burns~~ SRoa

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-1

CELL/ SECTION: Area 3-13

SOIL REMEDIATION:

QUANTITY:

DIMENSIONS:

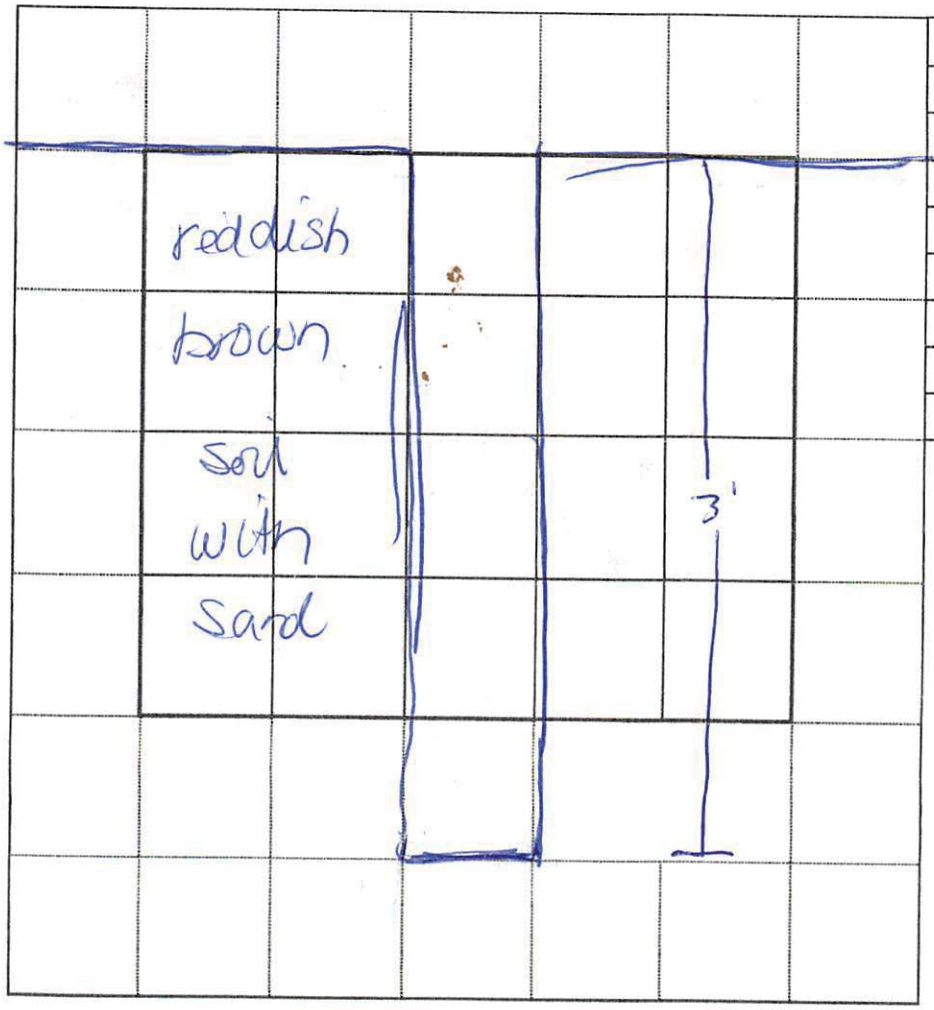
VISIBLE OBSERVATIONS:

SAMPLING PLAN:

36° 30.3343
107° 55.8523

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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Project No: 1st Quarter Treatment Zone Sampling

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DATE STARTED: 3/22/10

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ENVIRONMENTAL SPECIALIST: Falynn Burns

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

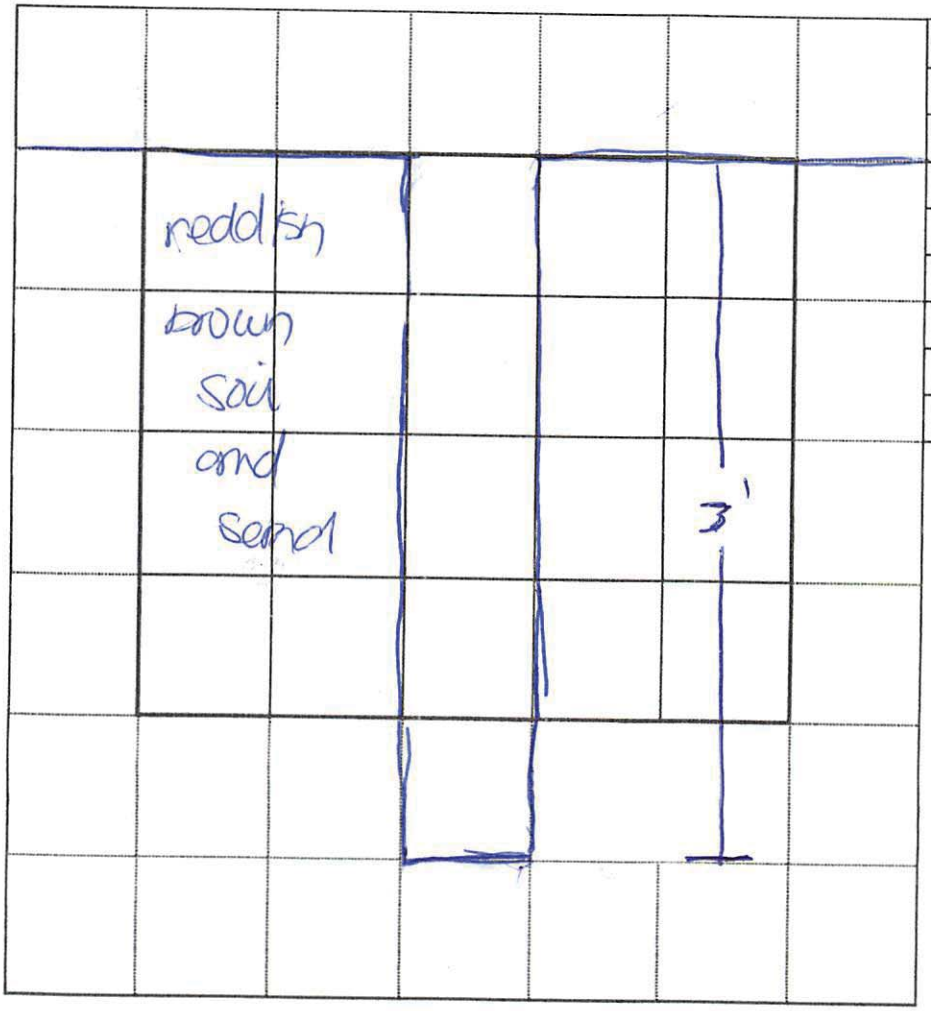
CELL/ SECTION: Area 3-14

SOIL REMEDIATIC
- QUANTITY:
- DIMENSIONS:
- VISIBLE OBSERVATIONS:
- SAMPLING PLAN:

36° 30, 3232
107° 55. 8565

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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ENVIRONMENTAL SPECIALIST: ~~Falynn Burns~~ S Lee

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 3-15

SOIL REMEDIATION:

QUANTITY:

DIMENSIONS:

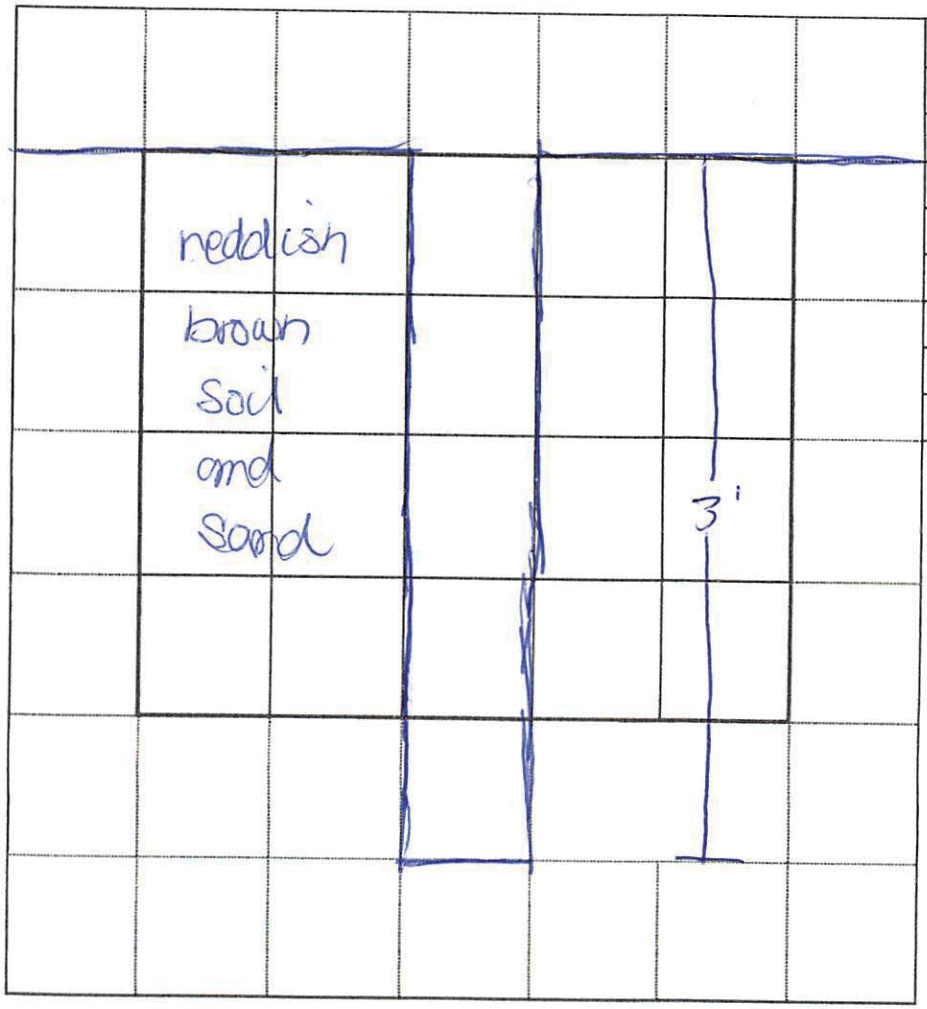
VISIBLE OBSERVATIONS:

SAMPLING PLAN:

36° 30.3148
107° 55.8599

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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ENVIRONMENTAL SPECIALIST: Falynn Burns

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 3-16

SOIL REMEDIATIC

QUANTITY:

DIMENSIONS:

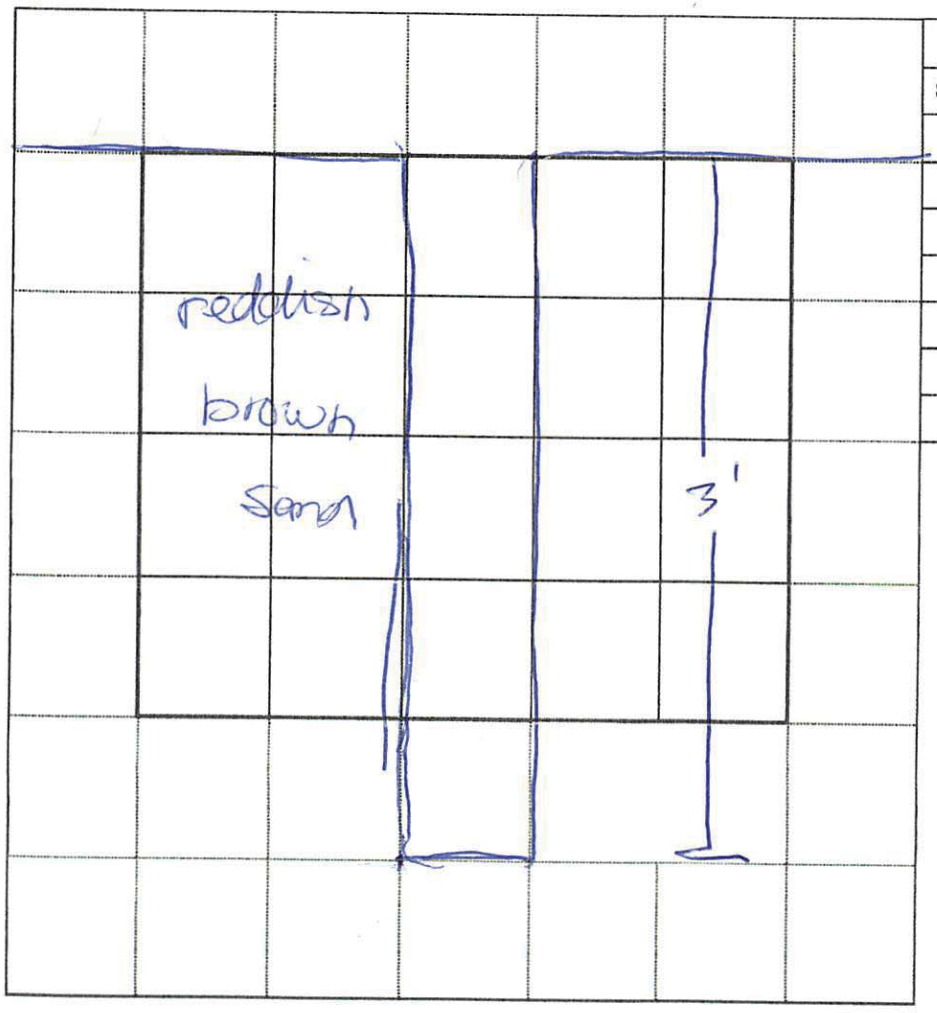
VISIBLE OBSERVATIONS:

SAMPLING PLAN:

36° 30. 3018
107° 55. 8651

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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DATE FINISHED: 3/22/16

ENVIRONMENTAL SPECIALIST: ~~Falynn Burns~~ S. Deer

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area-4-1

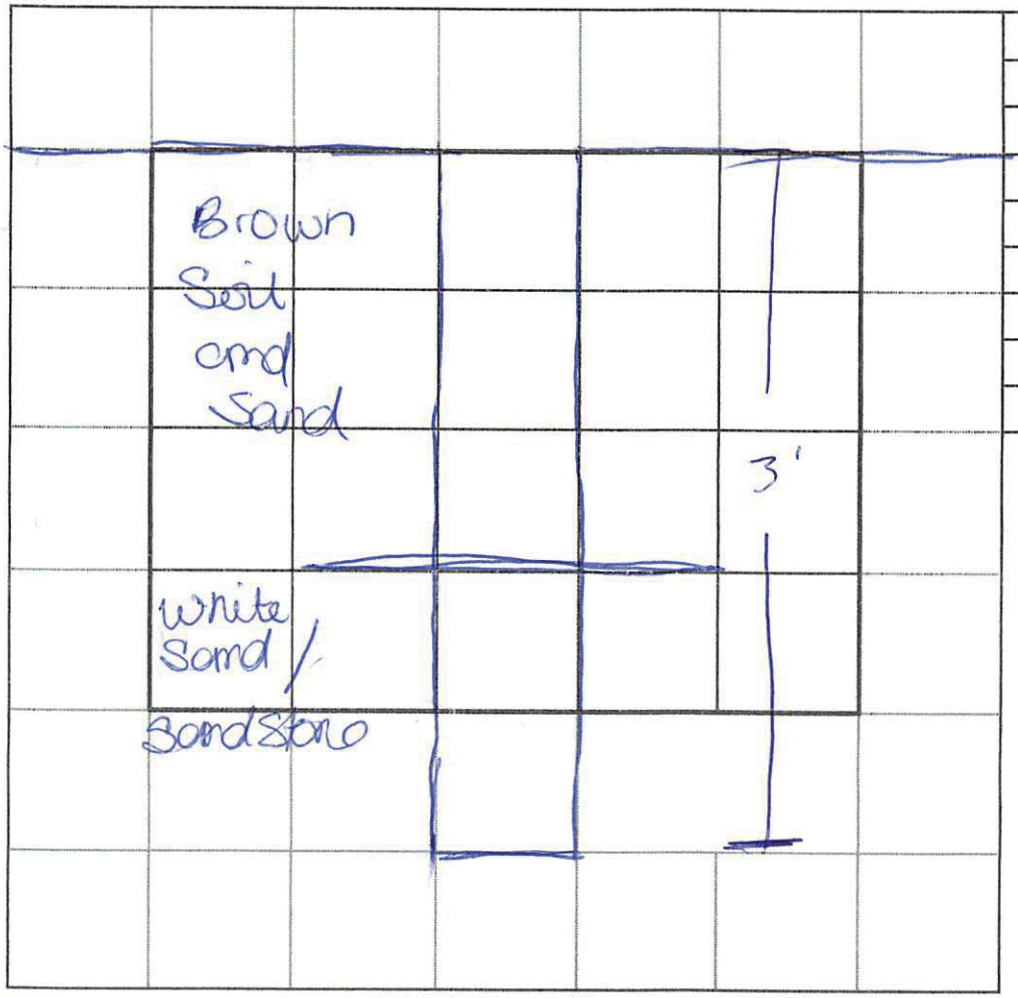
SOIL REMEDIATION	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

GPS: 36° 30.2756

107° 55.7953

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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ENVIRONMENTAL SPECIALIST: ~~Falynn Burns~~ S. Peer

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area-4-2

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

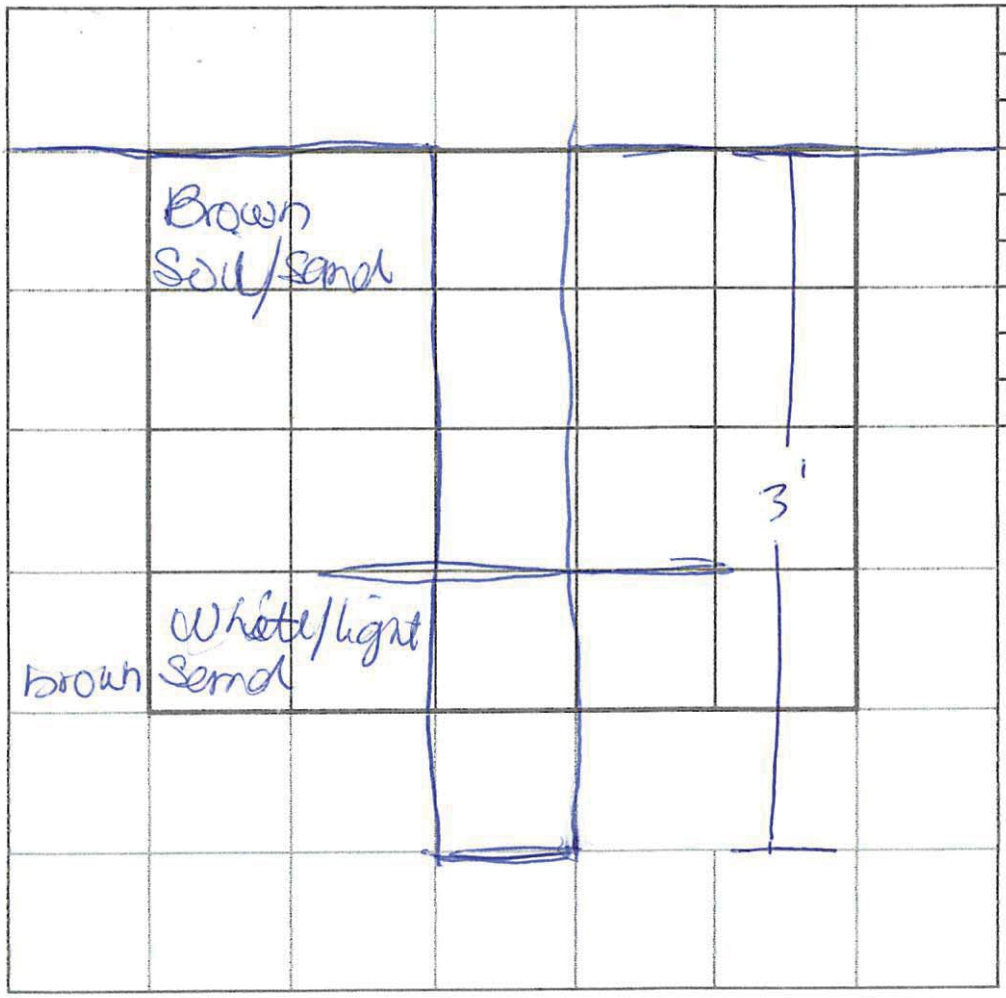
SAMPLING PLAN:

GPS 36° 30.2769

107° 55.7754

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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ENVIRONMENTAL SPECIALIST: ~~Falynn Burns~~ J. Cook

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area-4-3

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

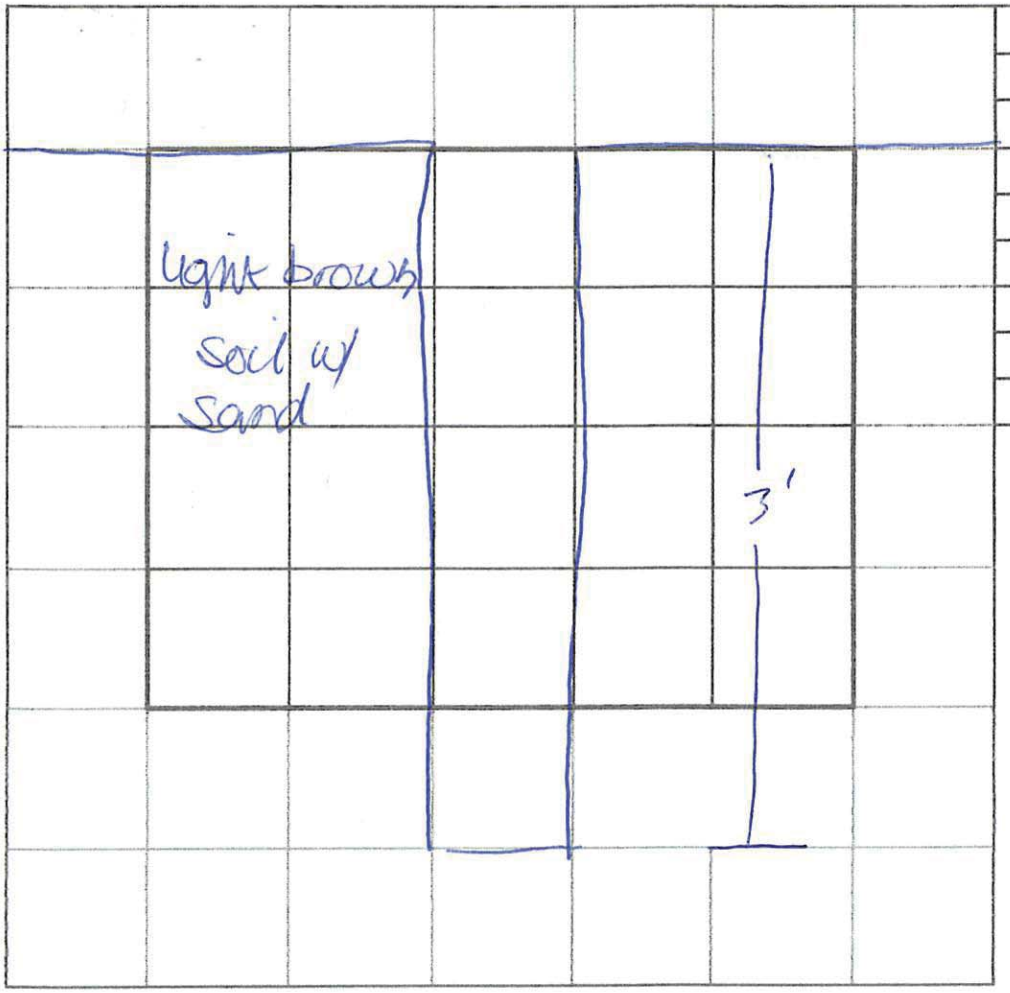
SAMPLING PLAN:

GPS 36° 30.2773

107° 55.7557

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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ENVIRONMENTAL SPECIALIST: Falynn Burns

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area-4-4

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

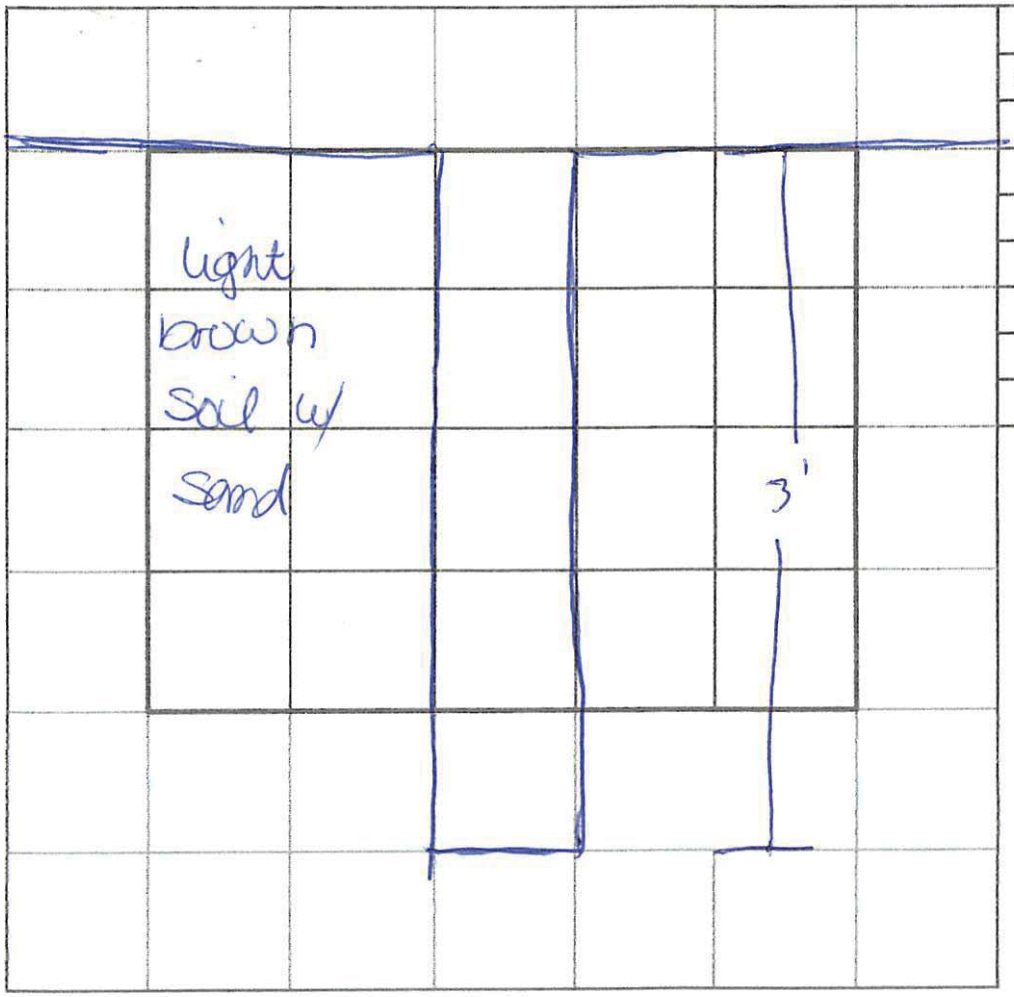
SAMPLING PLAN:

GPS 36° 30.2807

107° 55.7355

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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ENVIRONMENTAL SPECIALIST: S. Boom Falynn Burns

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 4-5

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

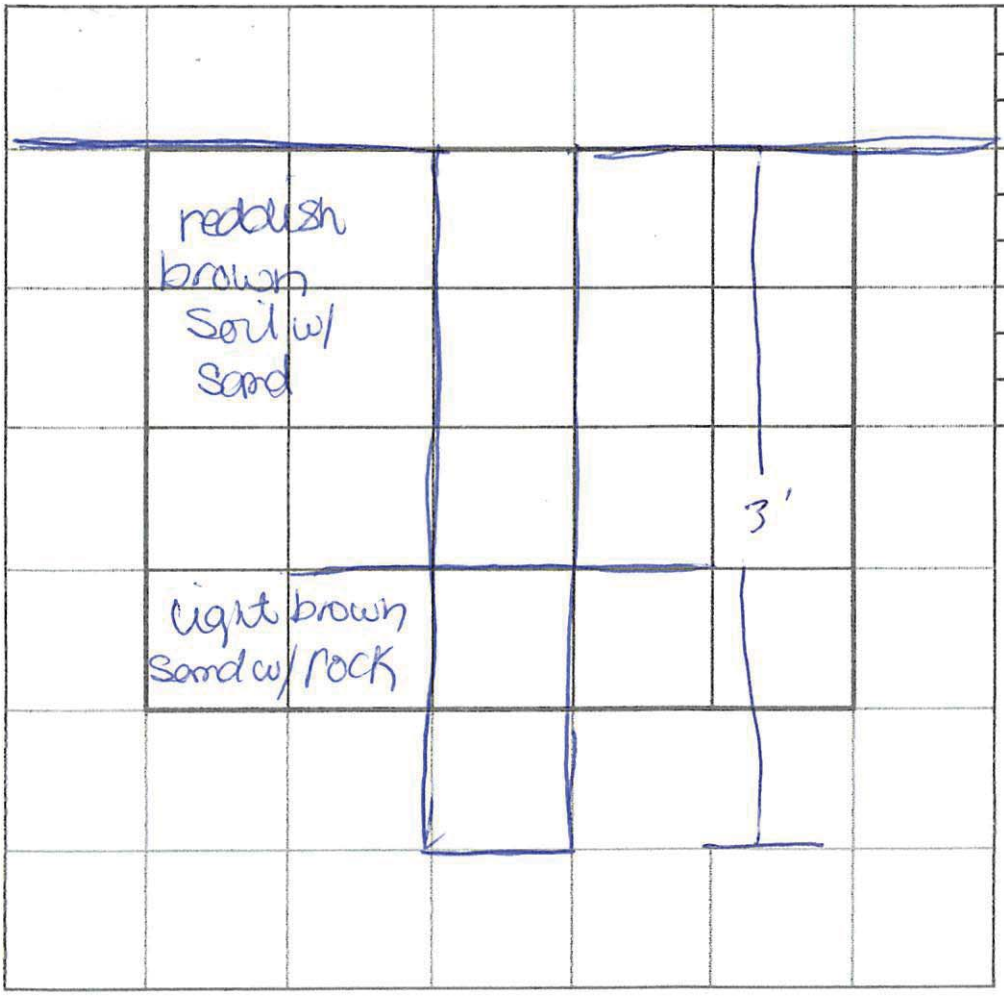
SAMPLING PLAN:

GPS 36° 30.2932

107° 55.7351

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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ENVIRONMENTAL SPECIALIST: Falynn Burns

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

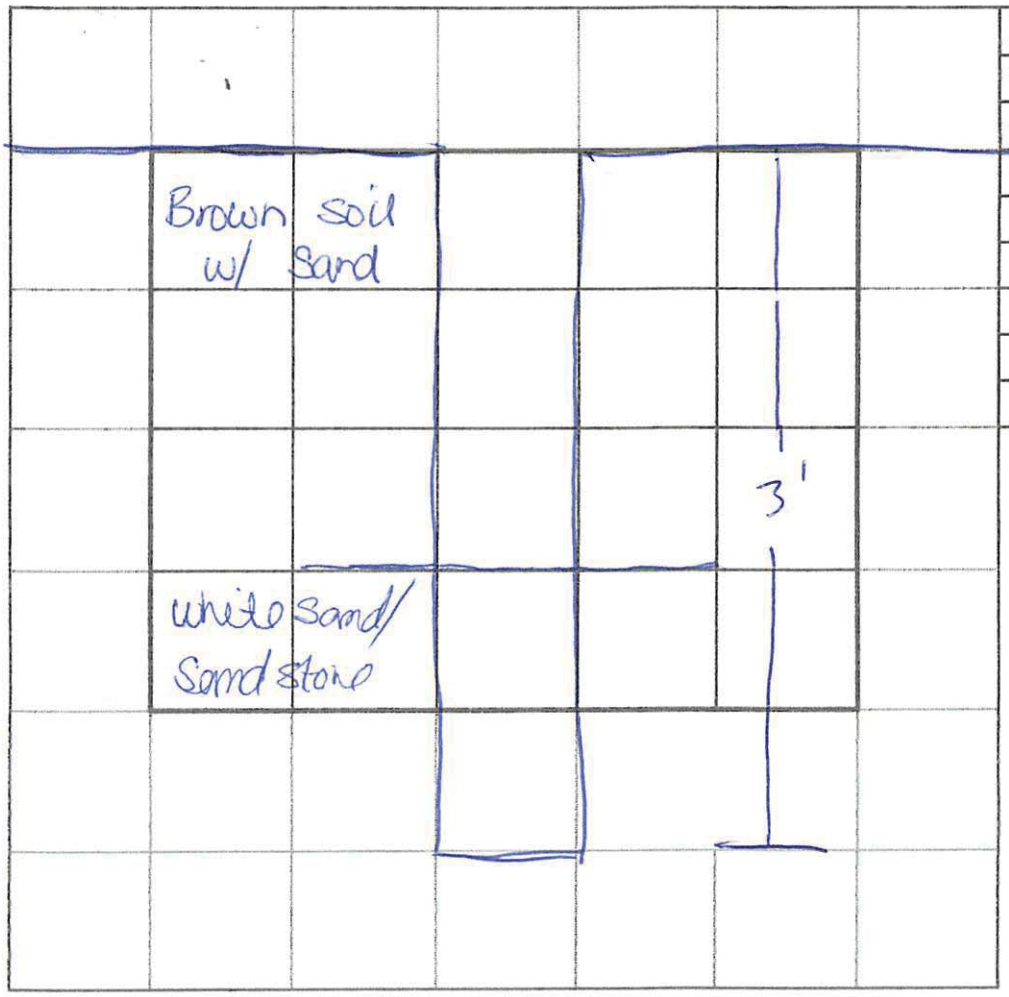
CELL/ SECTION: Area 4-6

SOIL REMEDIATION	
	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

GPS 36° 30.2931
107° 55.7558

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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ENVIRONMENTAL SPECIALIST: S. Perez ~~Falynn Burns~~

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 4-7

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

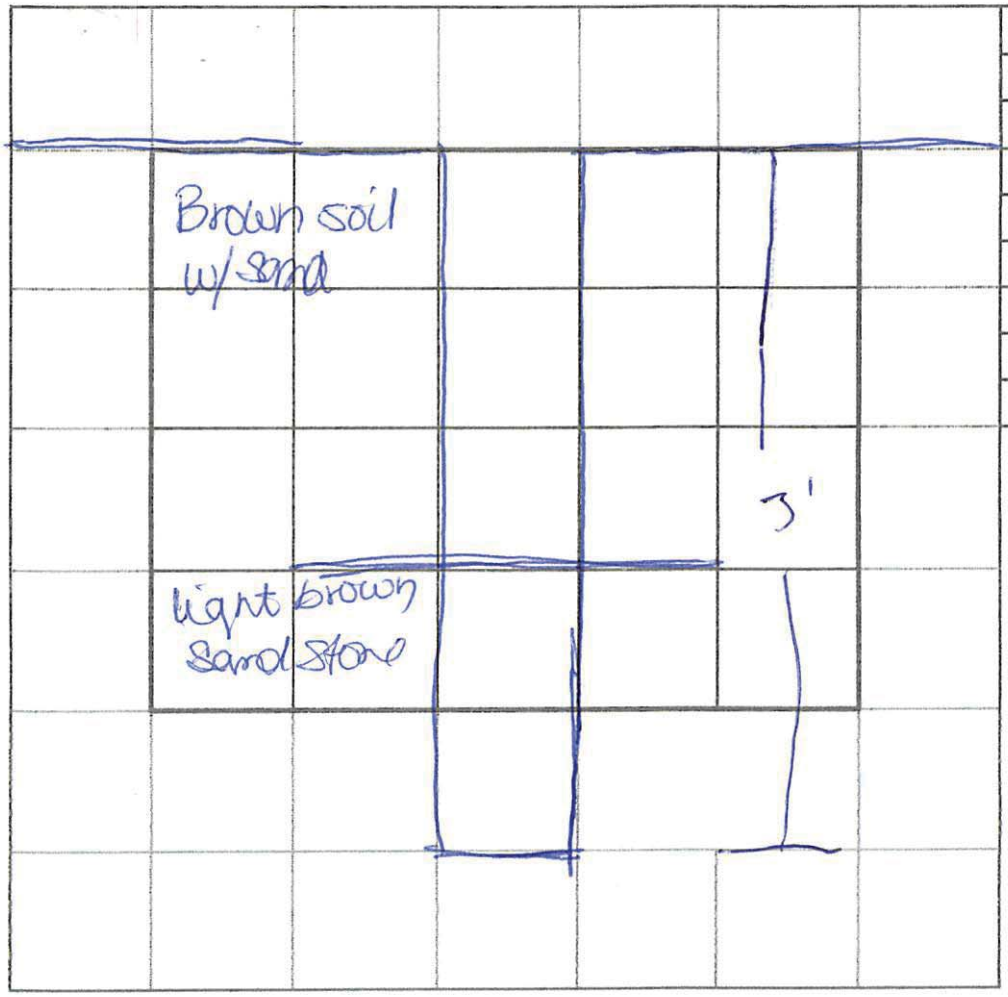
SAMPLING PLAN:

GPS 36° 30.2927

107° 55.7781

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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Project No: 1st Quarter Treatment Zone Sampling

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DATE STARTED: 3/22/10

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ENVIRONMENTAL SPECIALIST: ~~Falynn Burns~~ S. Lewis

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 4-8

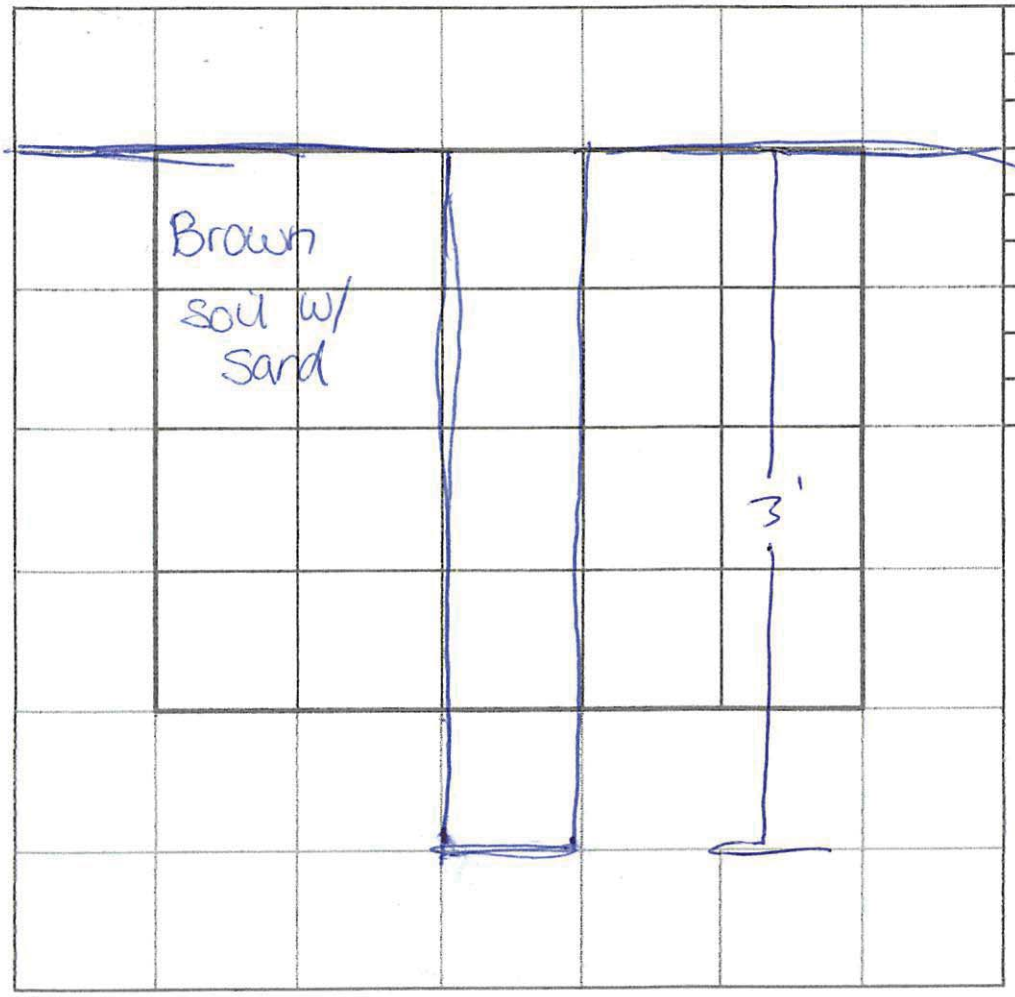
SOIL REMEDIATION	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

GPS 36. 30. 2916

107 55. 7996

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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Project No: 1st Quarter Treatment Zone Sampling

COC No:

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ENVIRONMENTAL SPECIALIST: Falynn Burns

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 4-9

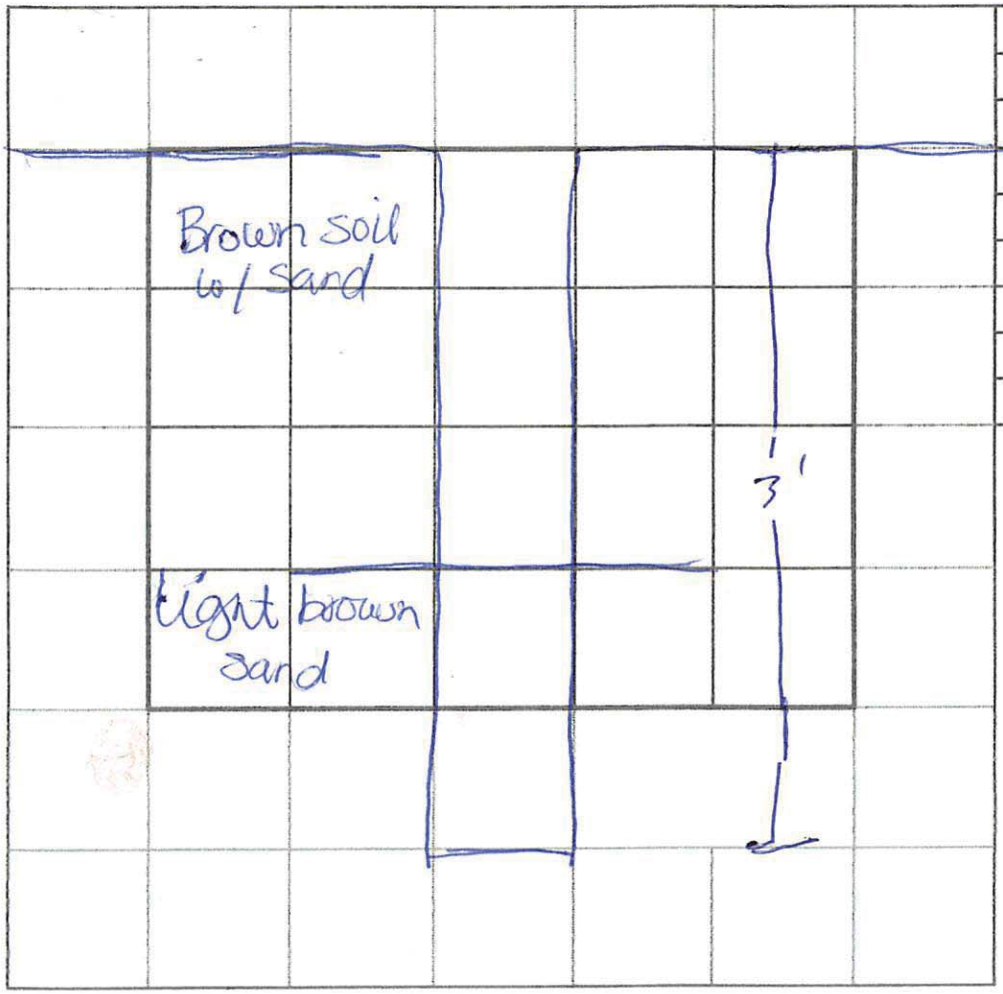
SOIL REMEDIATION	
	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

GPS 36° 30.3043

107° 55.7997

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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Project No: 1st Quarter Treatment Zone Sampling

COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

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DATE STARTED: 3/22/16

DATE FINISHED: 3/22/16

ENVIRONMENTAL SPECIALIST: S. Green ~~Falynn Burns~~

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 4-10

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

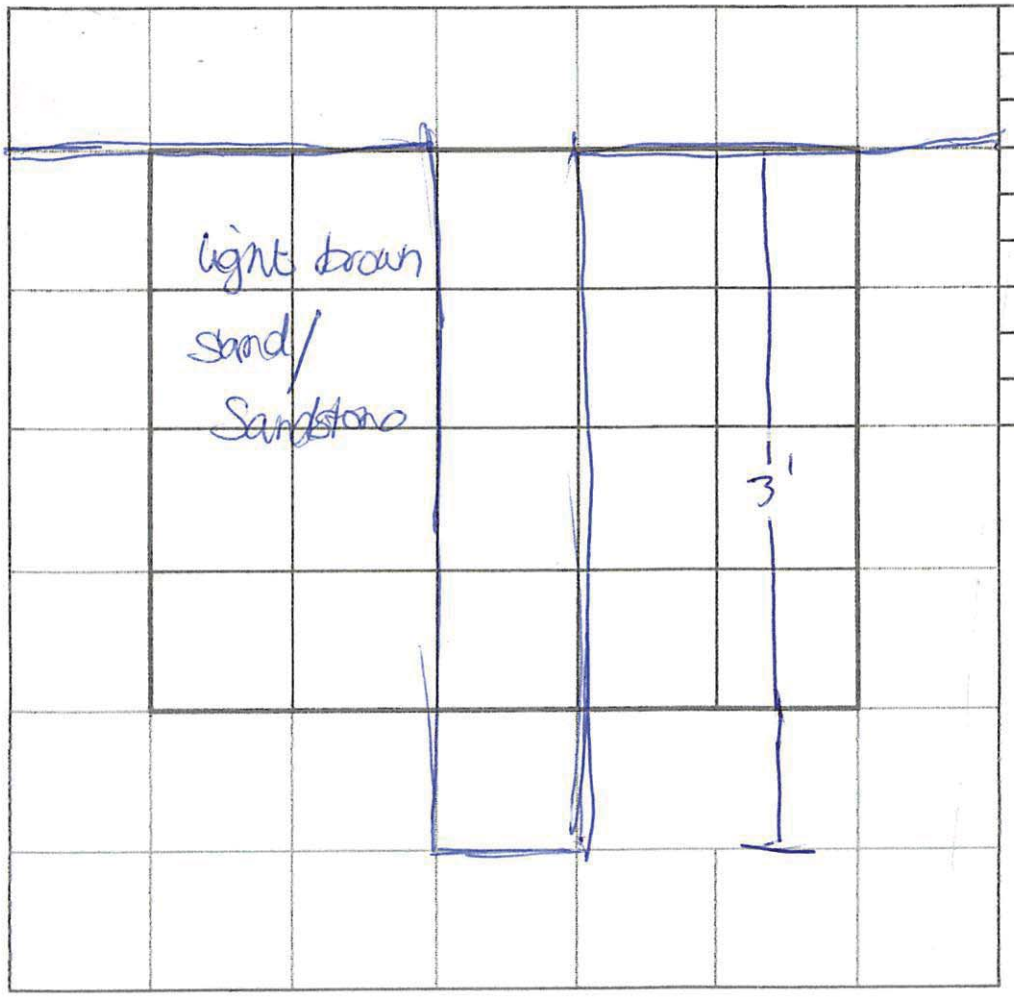
SAMPLING PLAN:

GPS 36° 30.3052

107 55.7768

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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ENVIRONMENTAL SPECIALIST: ~~Falynn Burns~~ S. Green

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 4-11

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

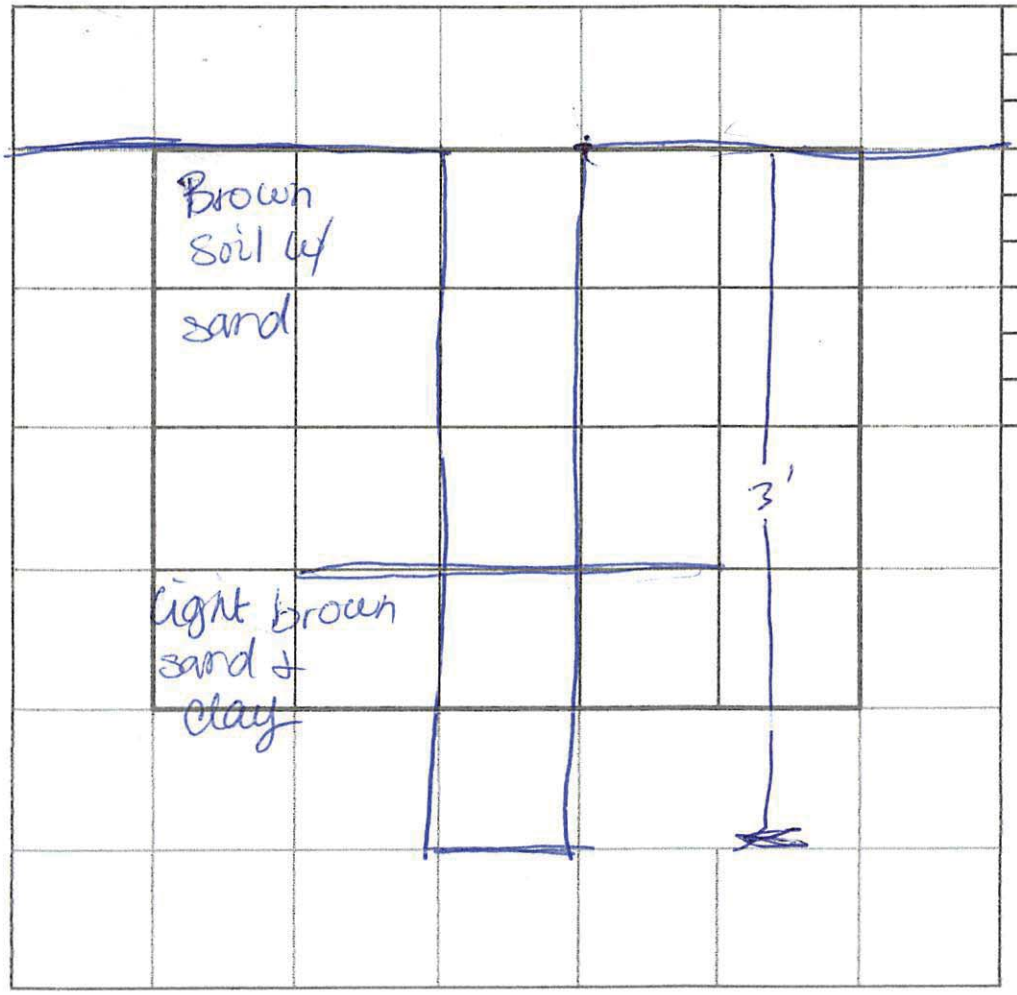
SAMPLING PLAN:

GPS 36° 30. 3048

107° 55. 7568

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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ENVIRONMENTAL SPECIALIST: ~~Falynn Burns~~ J. Leon

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 4-12

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

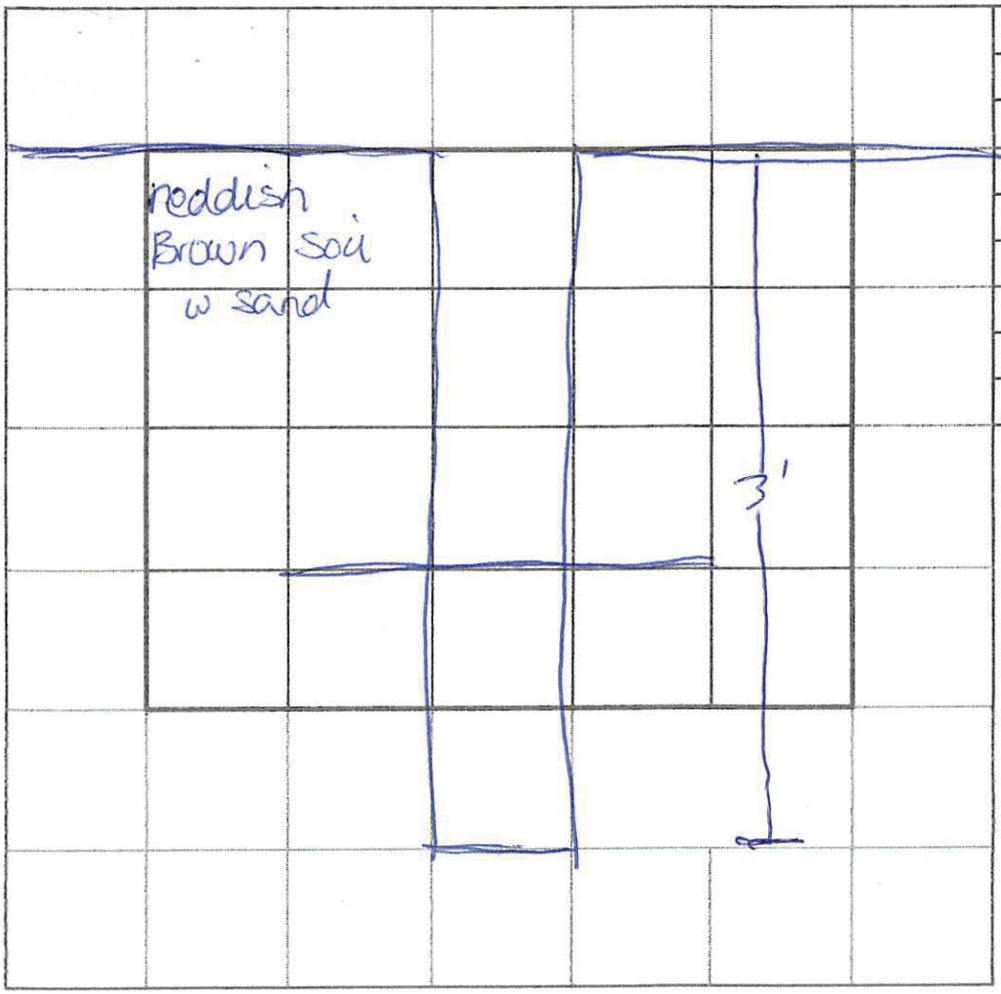
SAMPLING PLAN:

GPS 36° 30.3068

107° 55.7334

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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ENVIRONMENTAL SPECIALIST: Falynn Burns

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 4-@ 13

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

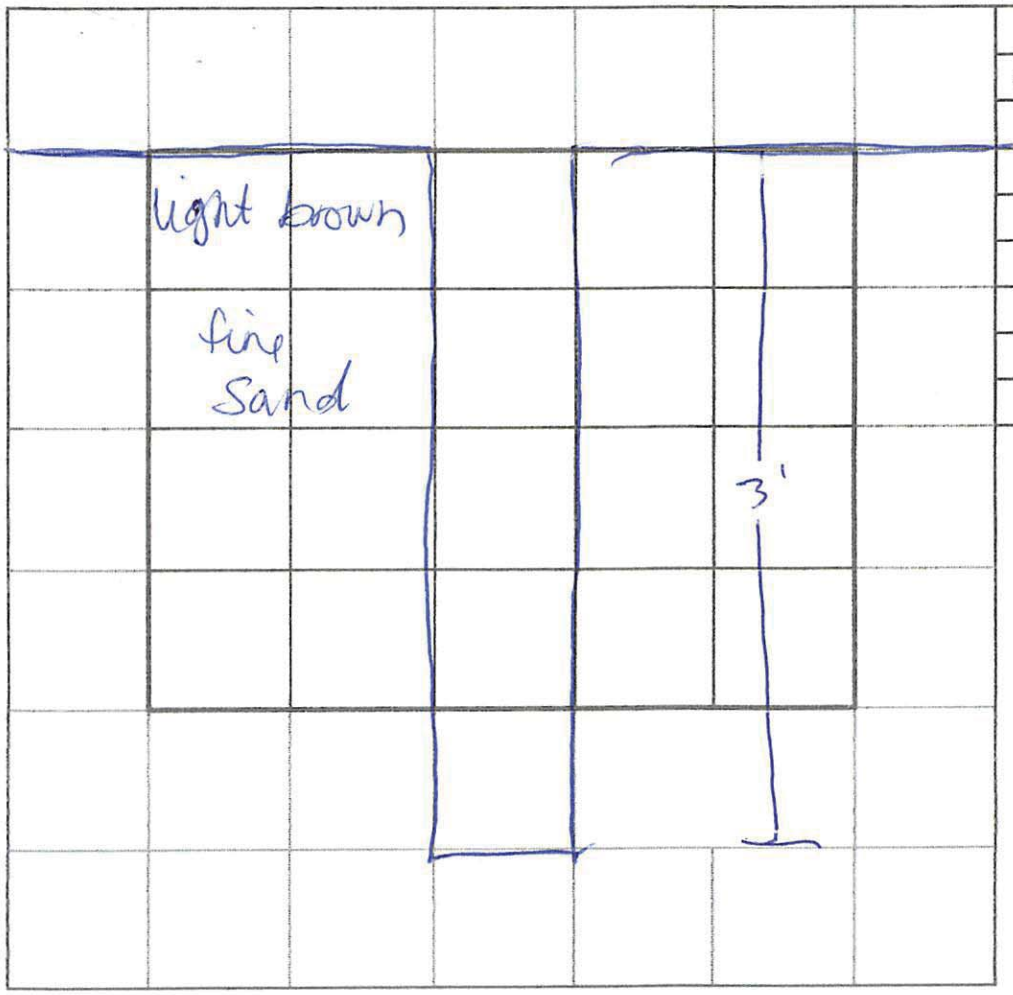
SAMPLING PLAN:

GPS 36° 30. 3204

107° 55. 7405

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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ENVIRONMENTAL SPECIALIST: ~~Falynn Burns~~ [illegible signature]

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 4-14

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

SAMPLING PLAN:

GPS 36° 30.3188
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SAMPLE DIAGRAM

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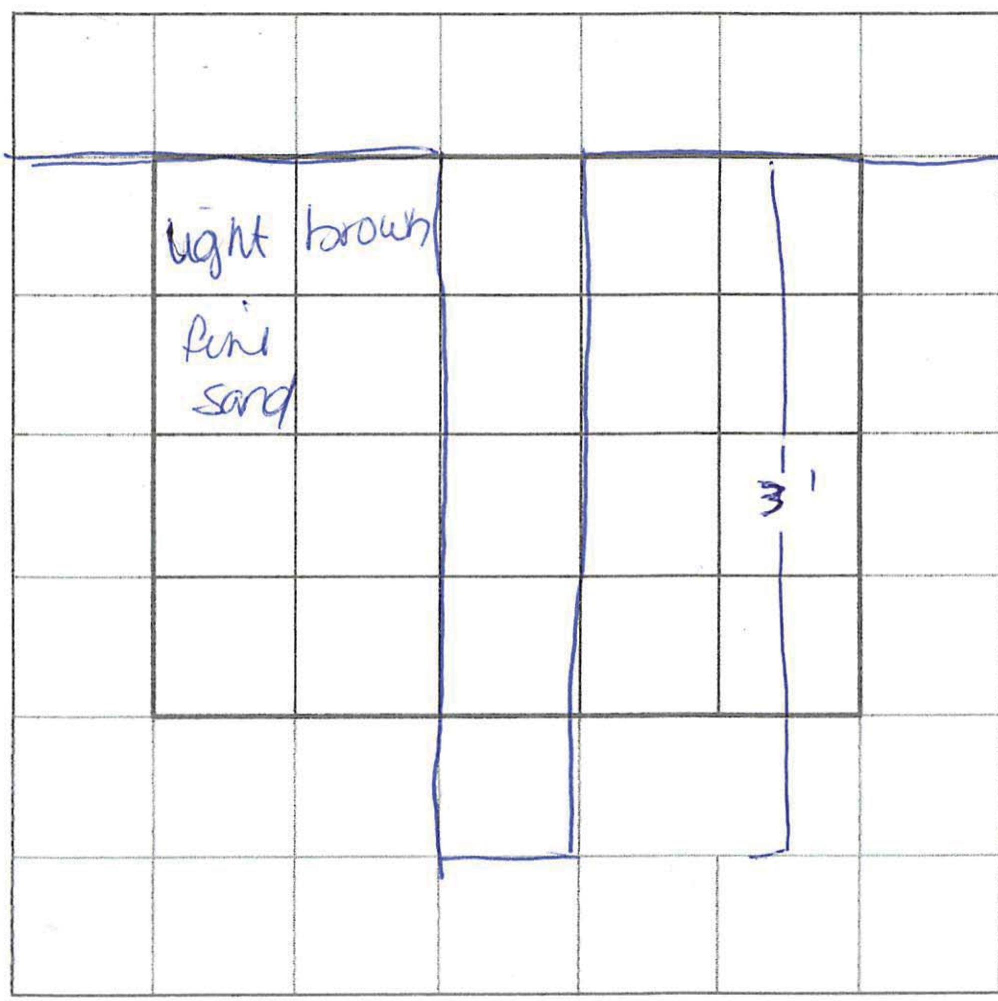

LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
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ENVIRONMENTAL SPECIALIST: ~~Falynn Burns~~ S. Pecos

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: CF-4

CELL/ SECTION: Area 4-15

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

SAMPLING PLAN:

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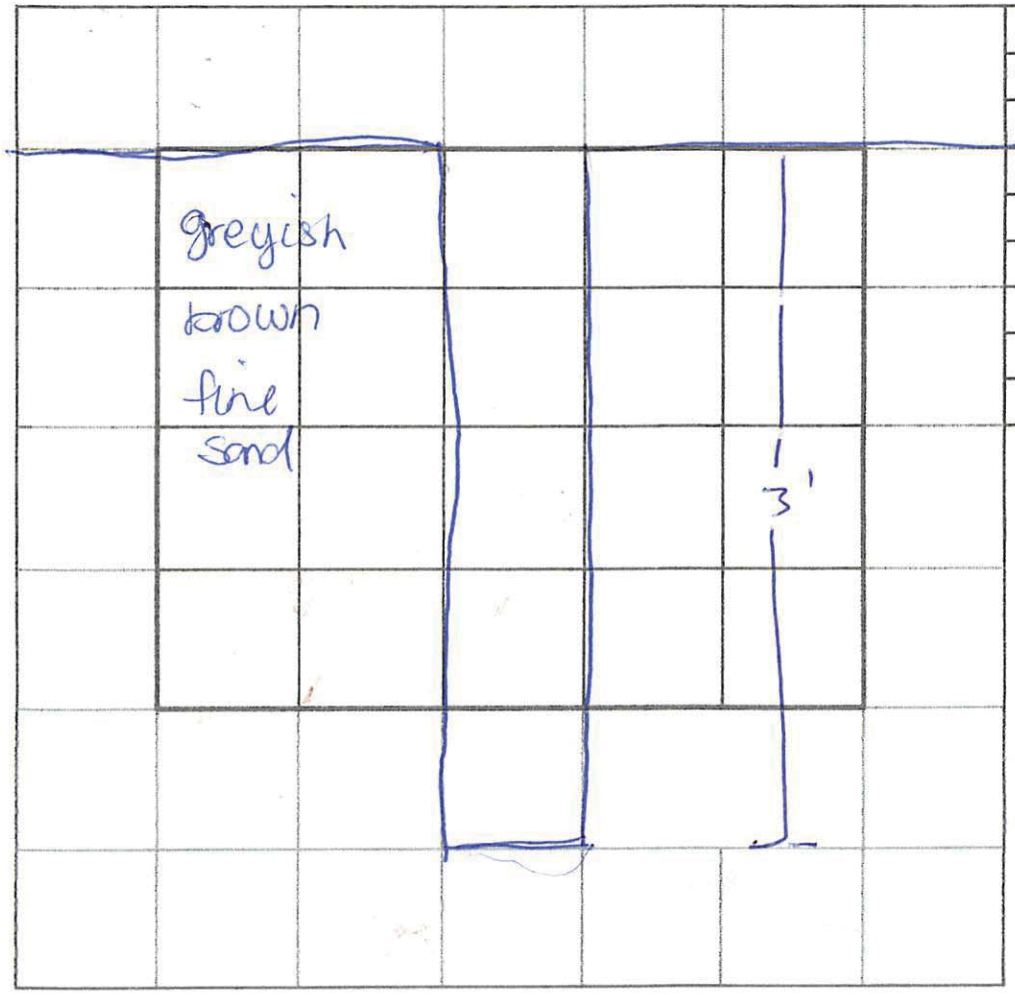
107° 55.7786

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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ENVIRONMENTAL SPECIALIST: ~~Falynn Burns~~ S. Green

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 4-16

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

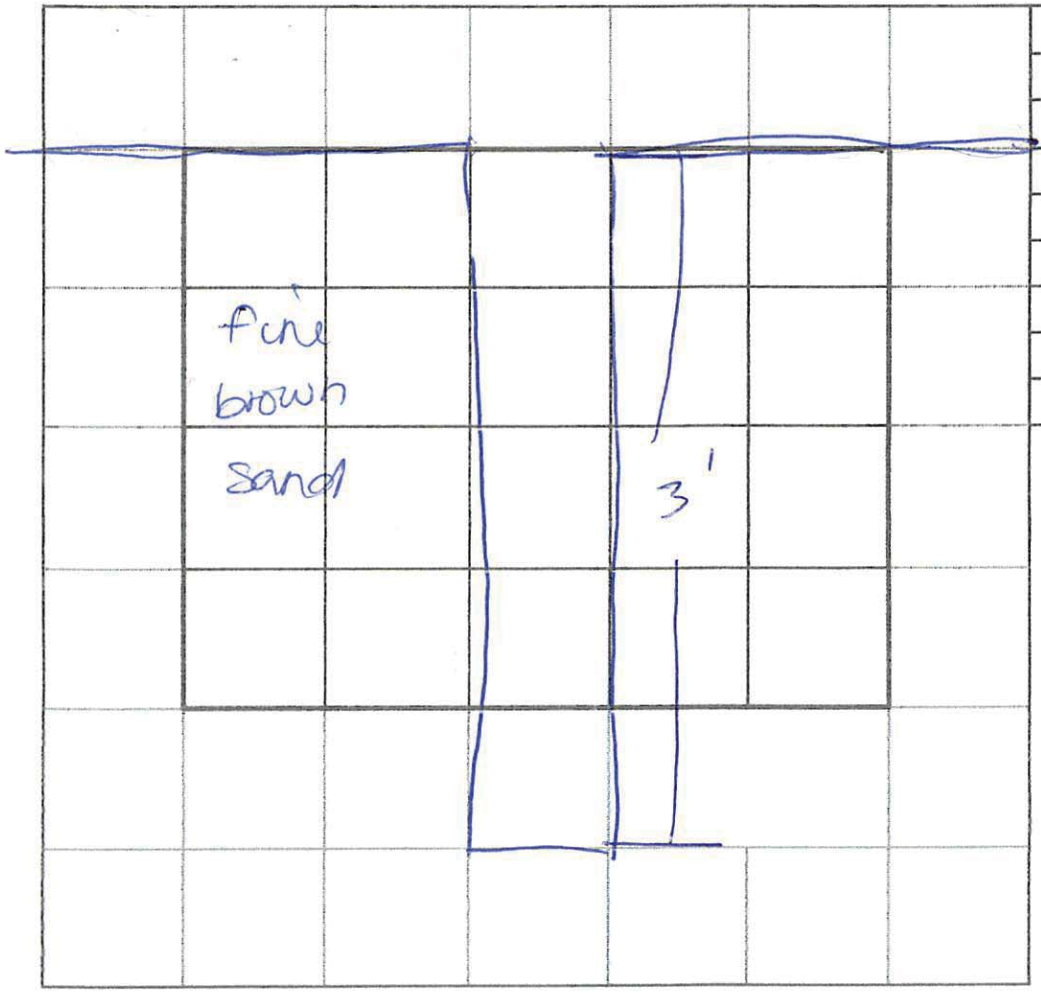
SAMPLING PLAN:

GPS 36° 30.3209

107° 55.7952

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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5796 U.S. Hwy 64, Farmington, NM 87401

Project No: 1st Quarter Treatment Zone Sampling

COC No:

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DATE STARTED: 3/24/16

DATE FINISHED: 3/24/16

ENVIRONMENTAL SPECIALIST: T. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 5-1

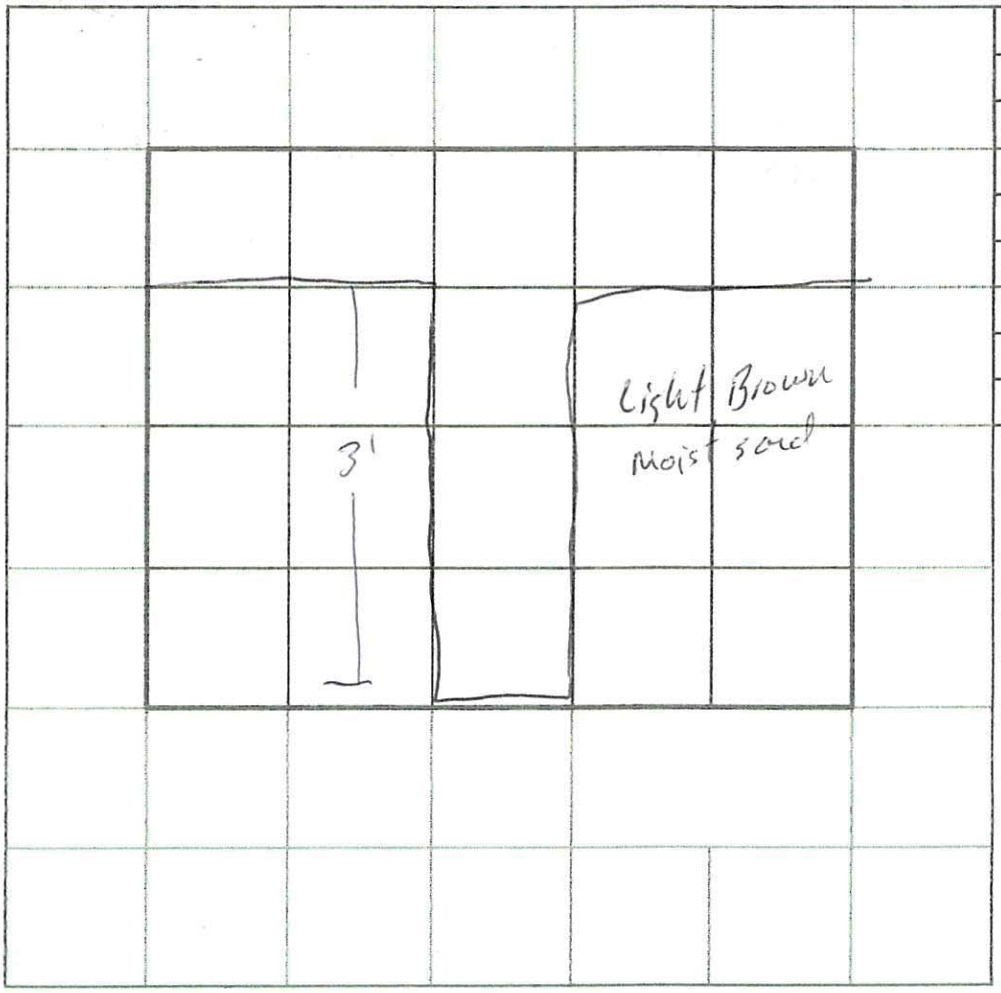
SOIL REMEDIATION	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

GPS 36° 30.3088

107° 55.5704

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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Project No: 1st Quarter Treatment Zone Sampling

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ENVIRONMENTAL SPECIALIST: J. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-41

CELL/ SECTION: Area 5-2

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

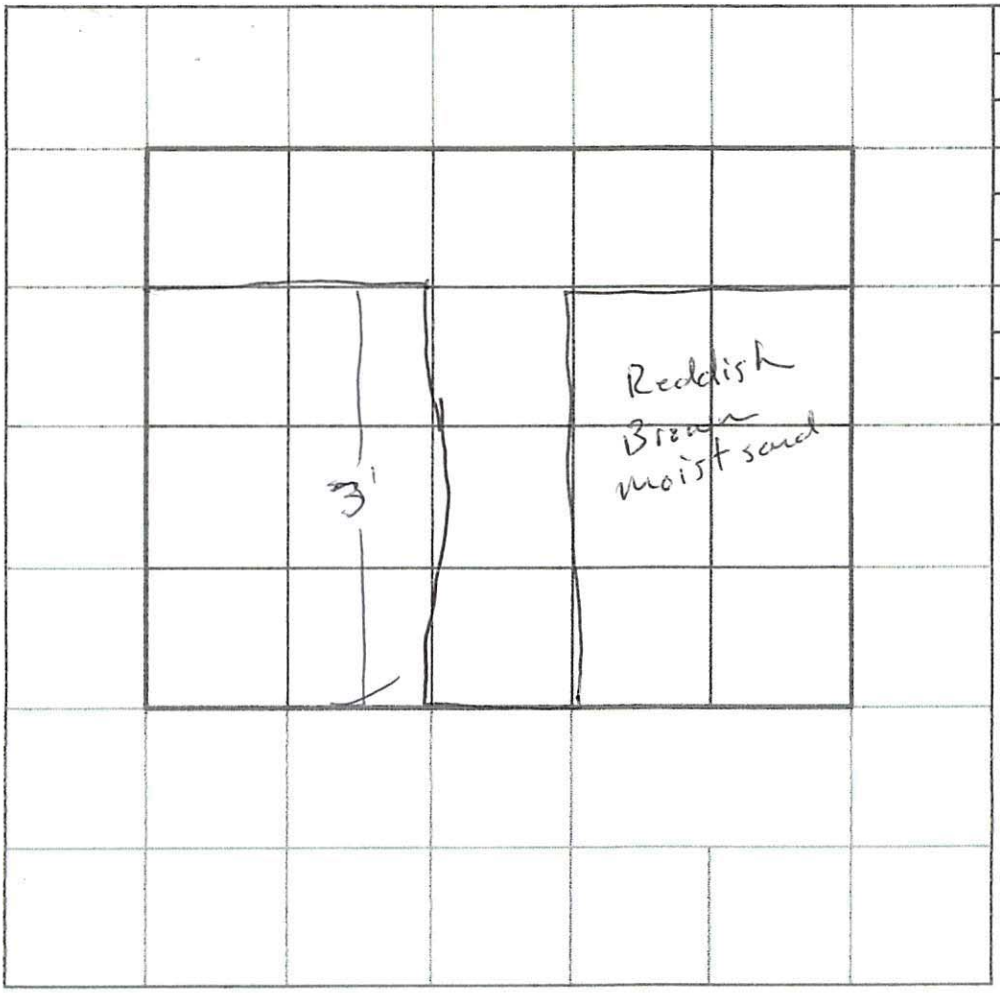
SAMPLING PLAN:

GPS 36° 30.3117

107° 55.5494

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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DATE FINISHED: 3/24/16

ENVIRONMENTAL SPECIALIST: R. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 5-3

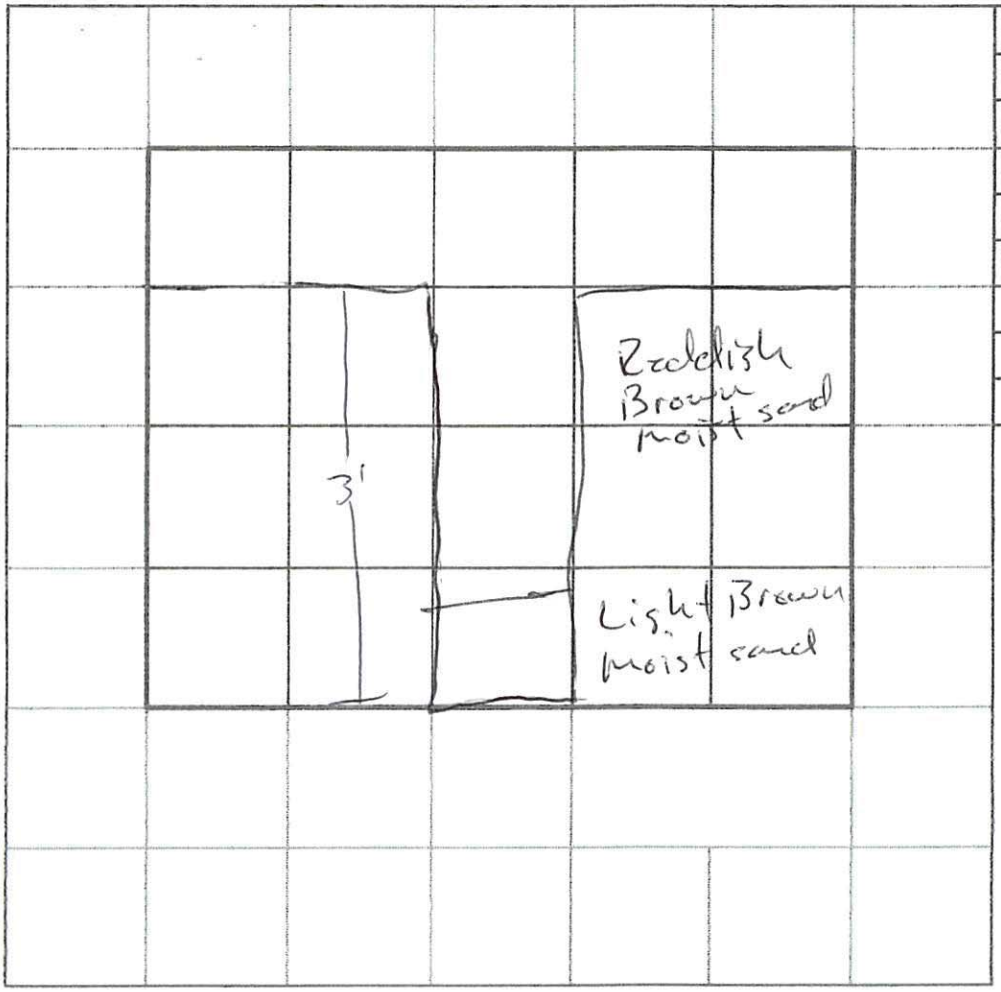
SOIL REMEDIATION	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

GPS 36° 30.3132

107° 55.5326

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 5-4

ENVIRONMENTAL SPECIALIST: R. Garcia

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

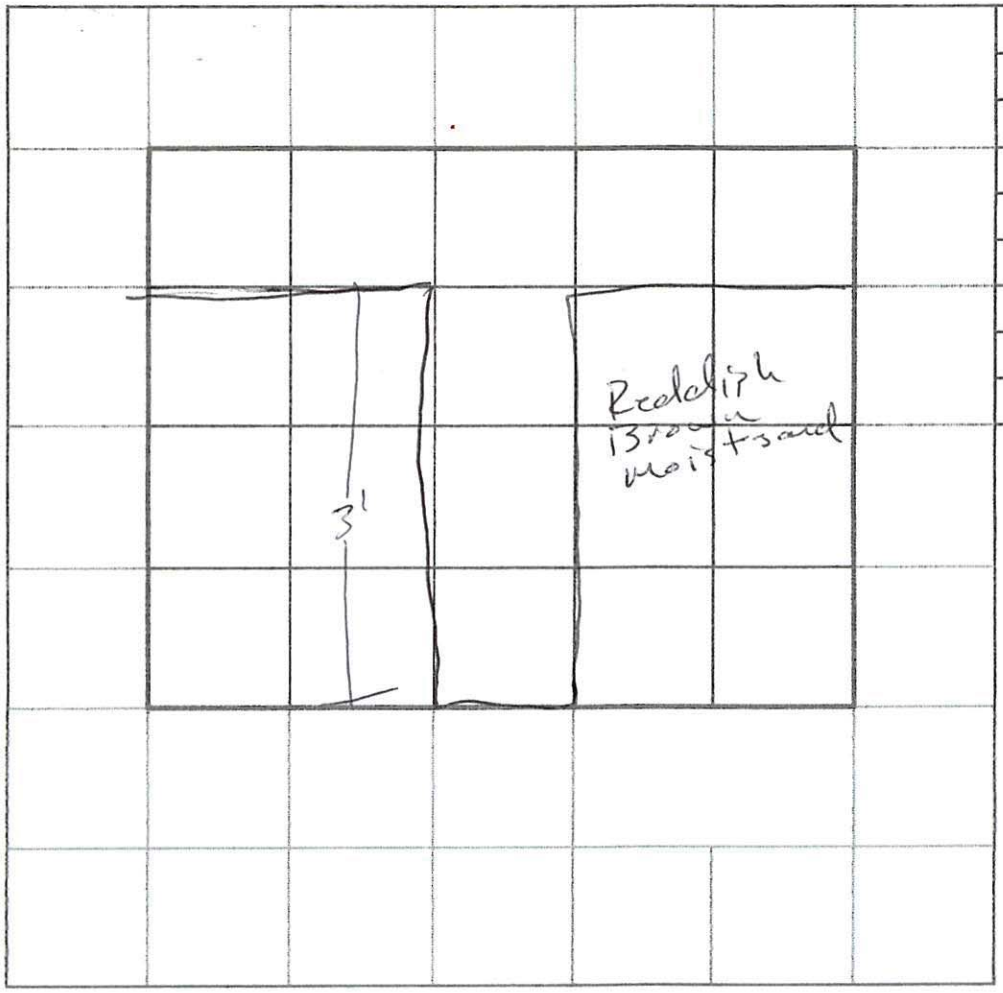
SAMPLING PLAN:

GPS 36° 30.3166

107° 55.5106

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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ENVIRONMENTAL SPECIALIST: T. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF#4

CELL/ SECTION: Area 5-5

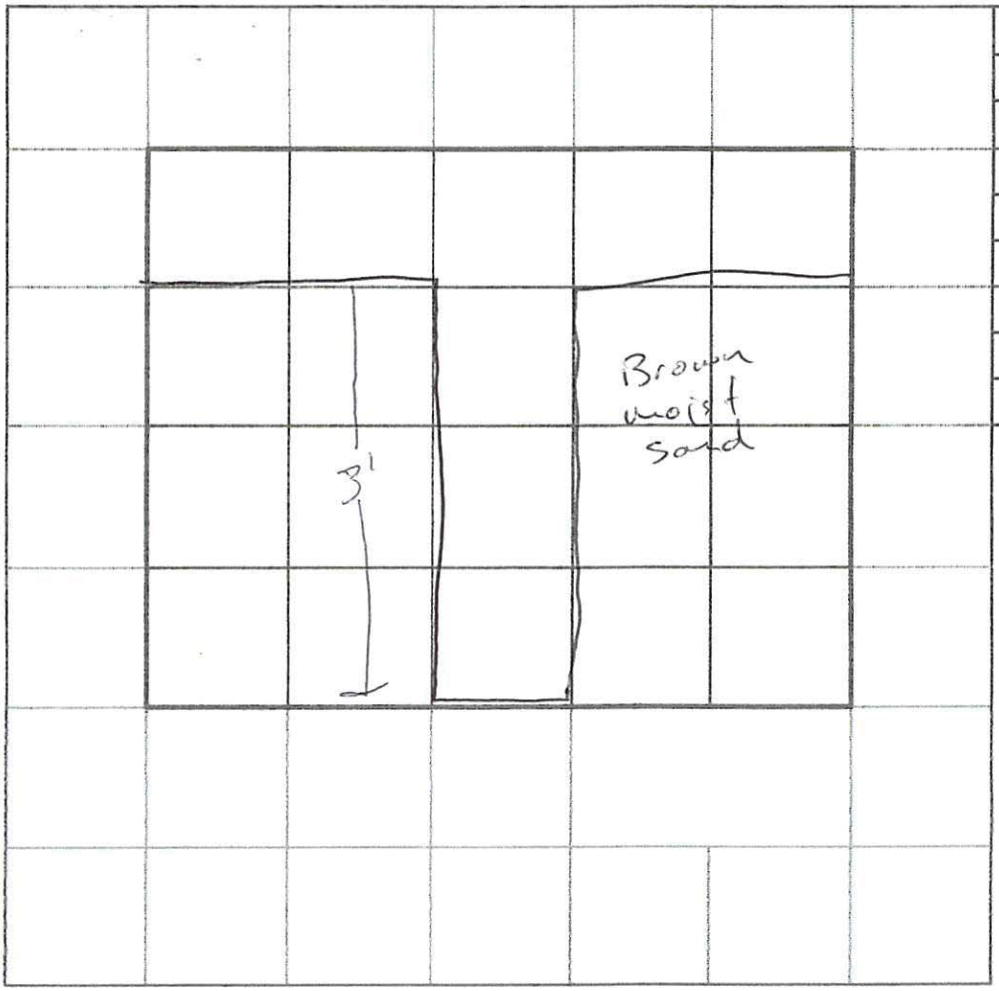
SOIL REMEDIATION	
	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

GPS 36° 30.3308

107° 55.5134

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 5-6

ENVIRONMENTAL SPECIALIST: I. Garcia

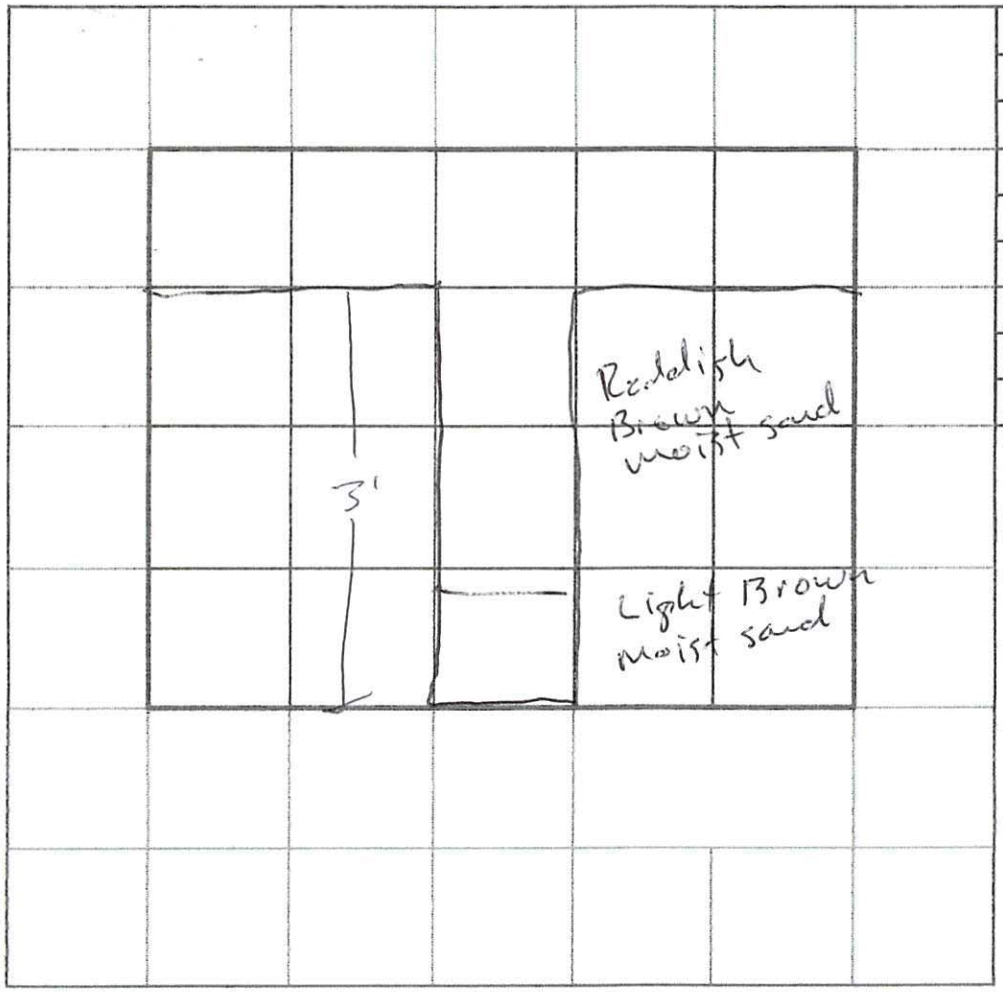
SOIL REMEDIATION	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

GPS 36° 30.3301

107° 55.5350

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 5-7

ENVIRONMENTAL SPECIALIST: T. Garcia

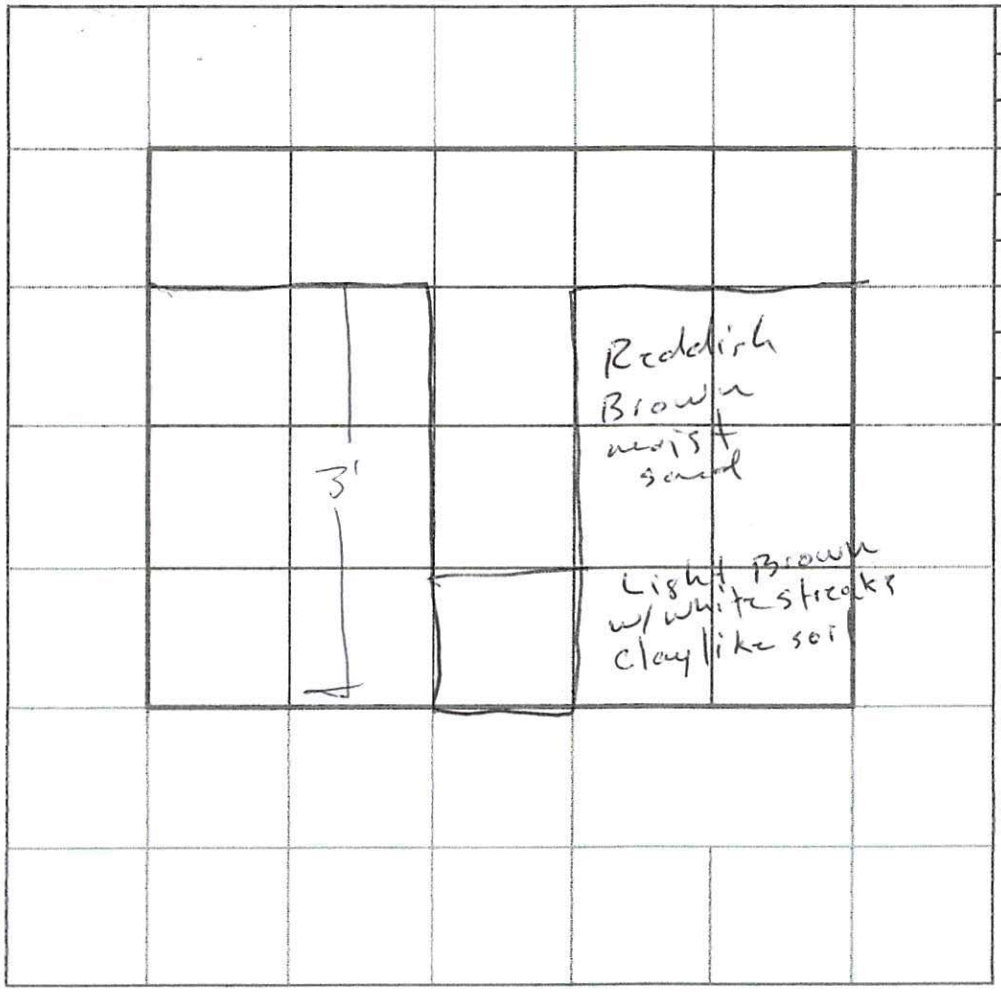
SOIL REMEDIATION	
	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

GPS 36° 30. 3289

107° 55. 5563

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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ENVIRONMENTAL SPECIALIST: E. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 5-8

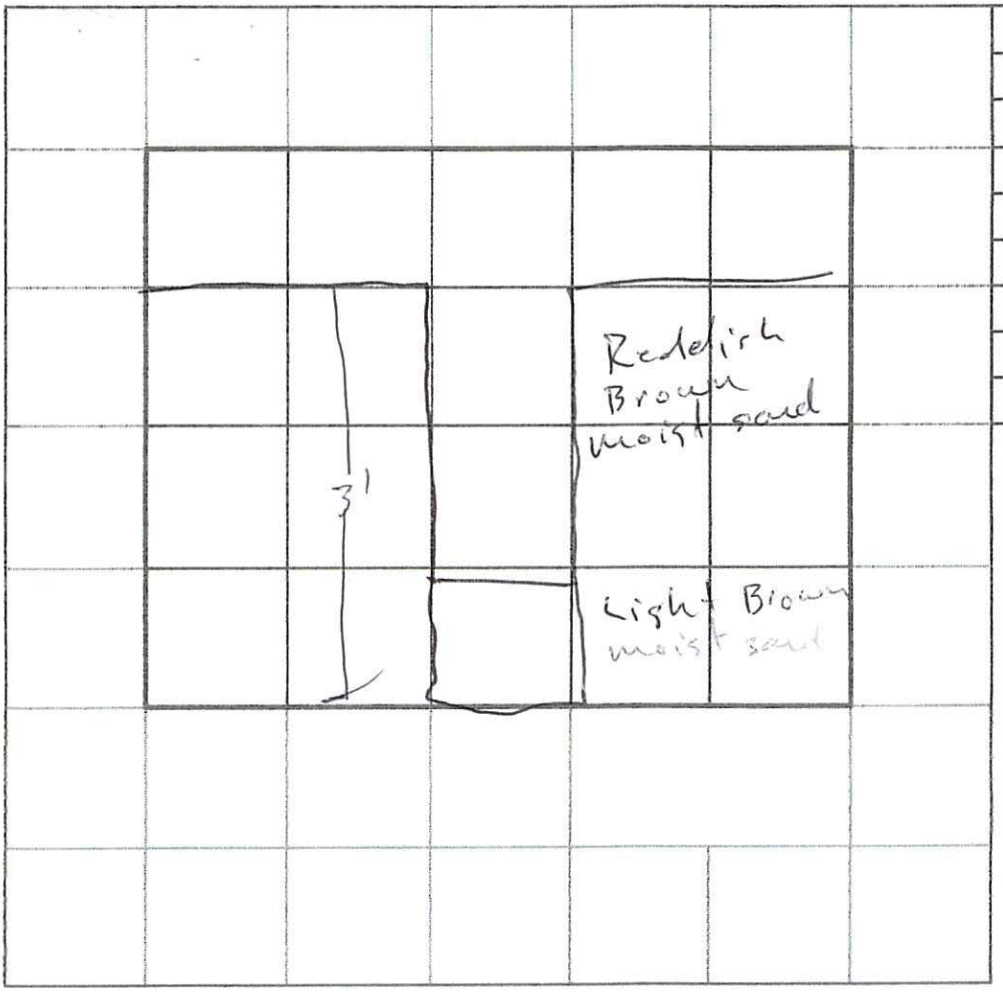
SOIL REMEDIATION	
	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

GPS 36° 30.3297

107° 55.5767

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 5-9

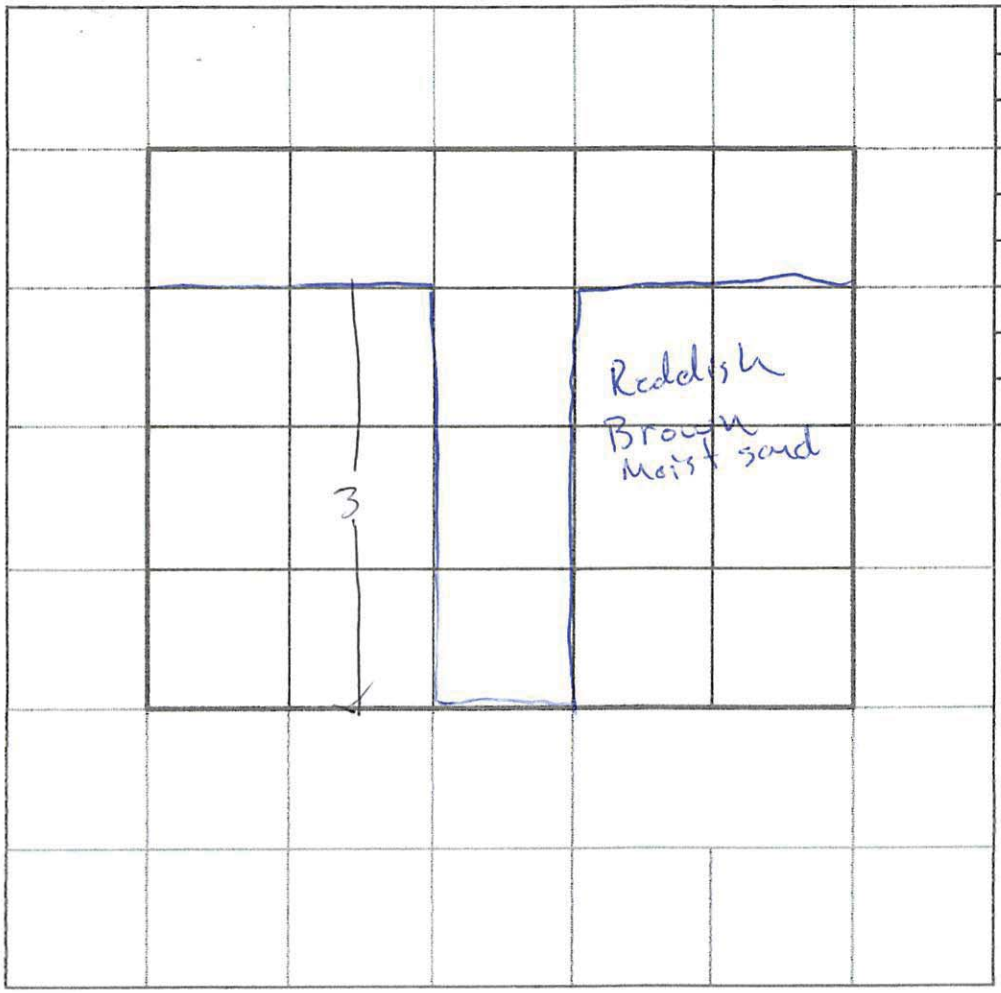
ENVIRONMENTAL SPECIALIST: R. Garcia

SOIL REMEDIATION	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

GPS 36° 30.3477
107° 55.5764

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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DATE FINISHED: 3/24/16

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 5-10

ENVIRONMENTAL SPECIALIST: B. Garcia

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

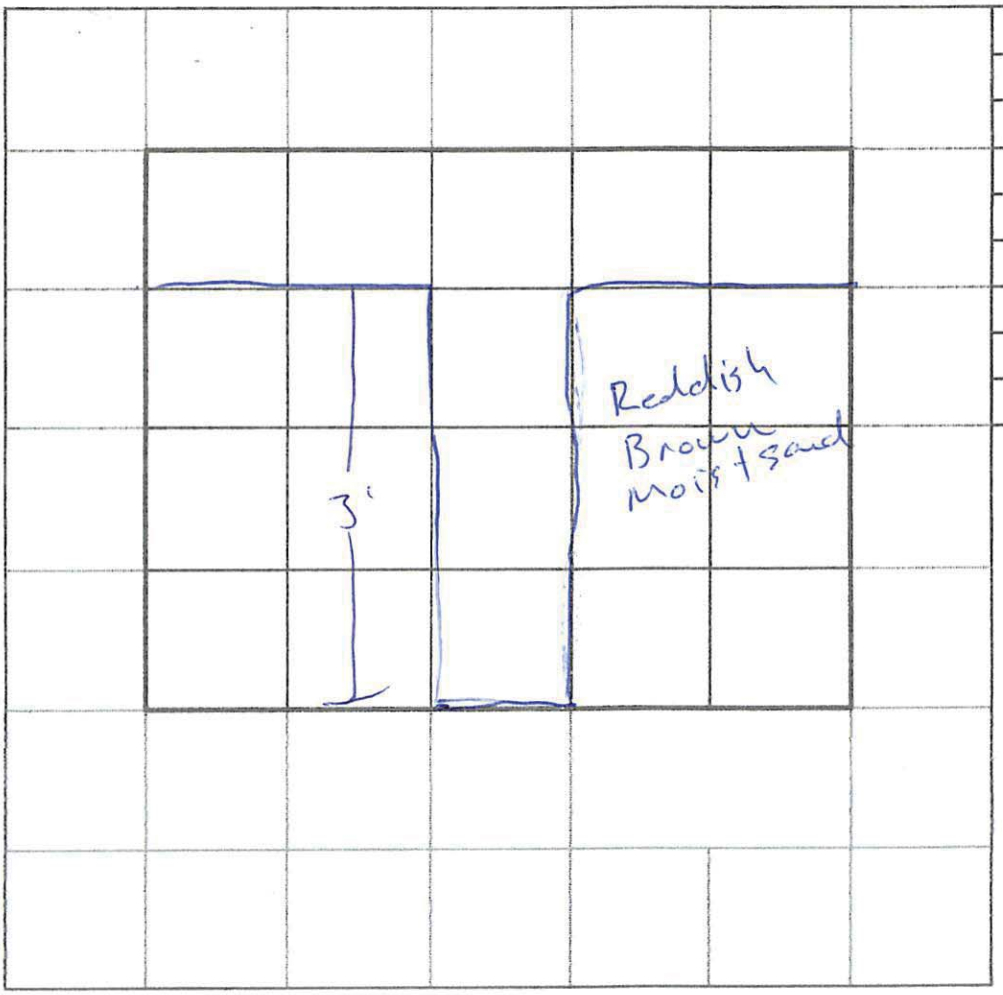
SAMPLING PLAN:

GPS 36° 30.3493

107° 55.5558

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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DATE STARTED: 3/24/16

DATE FINISHED: 3/24/16

ENVIRONMENTAL SPECIALIST: E. García

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 5-11

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

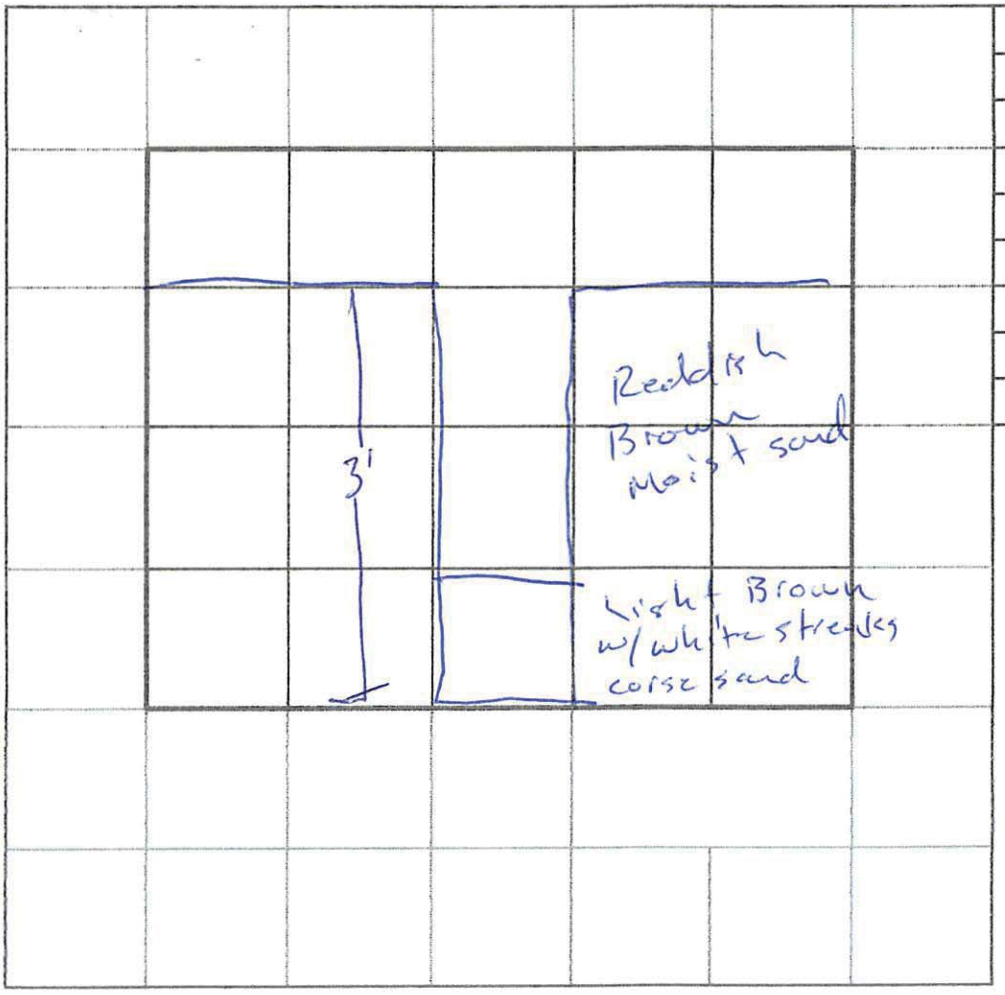
SAMPLING PLAN:

GPS 36° 30.3498

107° 55.5353

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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DATE STARTED: 3/24/16

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FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-2

CELL/ SECTION: Area 5-12

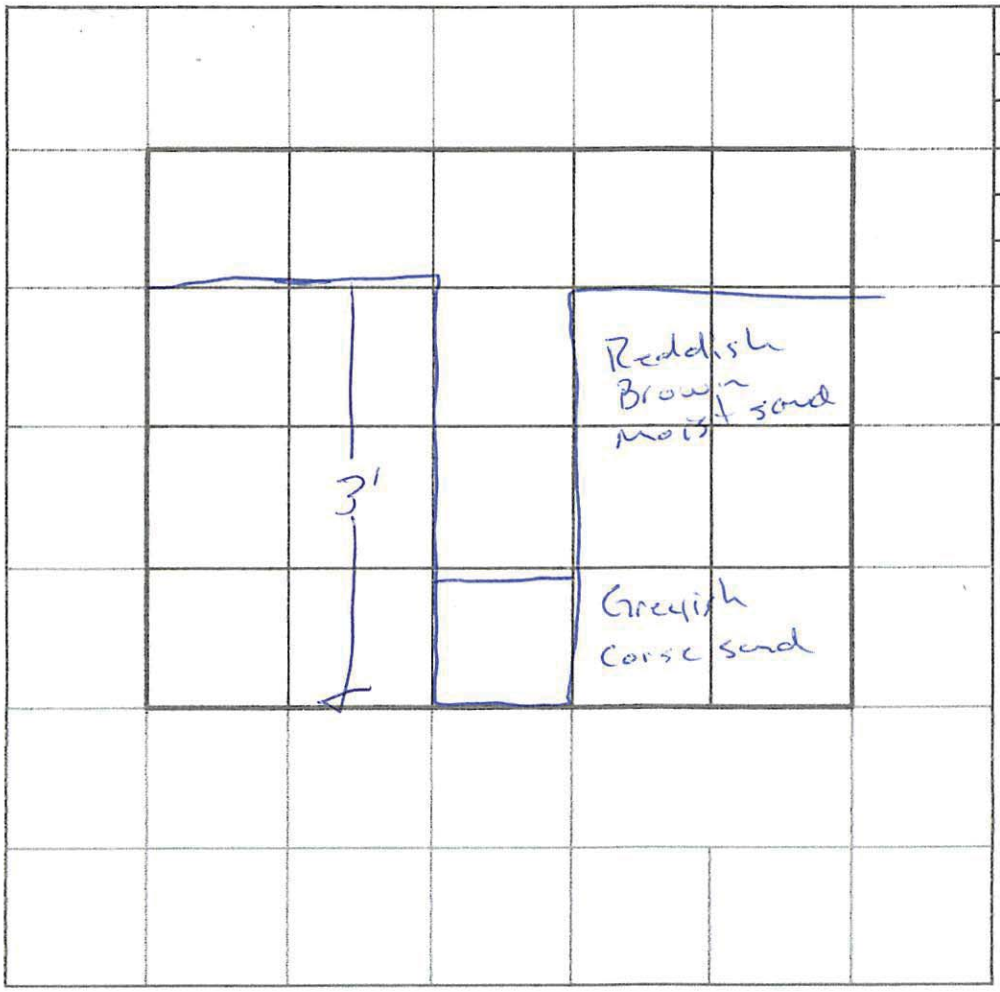
ENVIRONMENTAL SPECIALIST: R. Garcia

SOIL REMEDIATION	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

GPS 36° 30.3522
107° 55.5155

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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ENVIRONMENTAL SPECIALIST: T. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 5-13

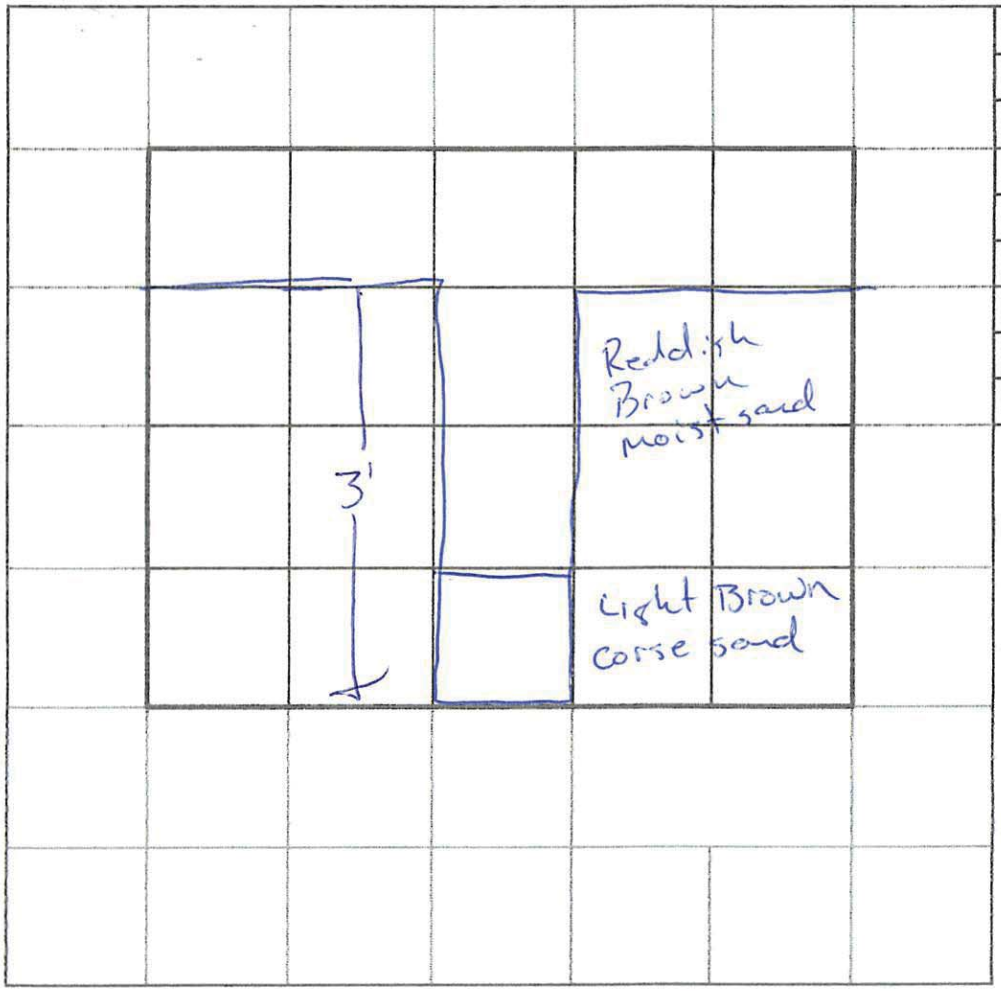
SOIL REMEDIATION	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

GPS 36° 30.3679

107° 55.5198

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
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	8021	
	Chlorides	

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ENVIRONMENTAL SPECIALIST: T. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 5-14

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

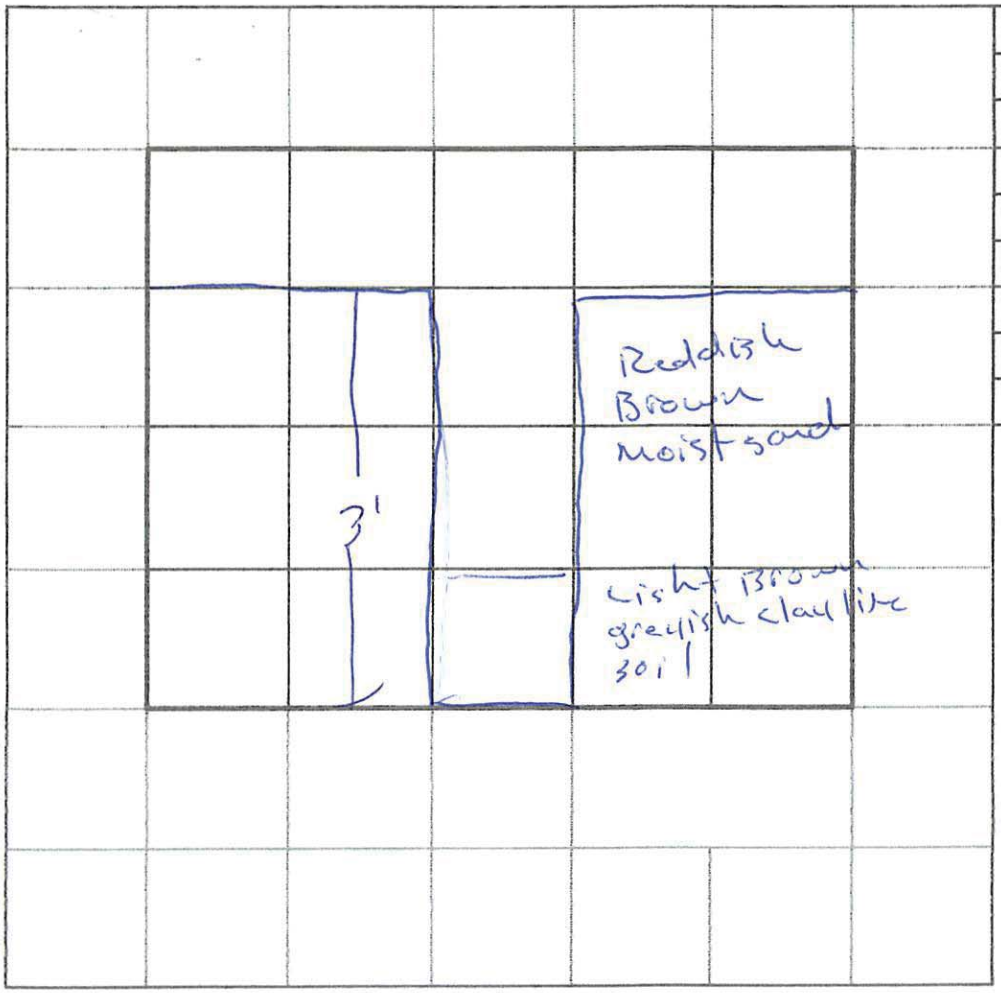
SAMPLING PLAN:

GPS 36° 30.3670

107° 55.5424

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 5-15

ENVIRONMENTAL SPECIALIST: R. Garcia

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

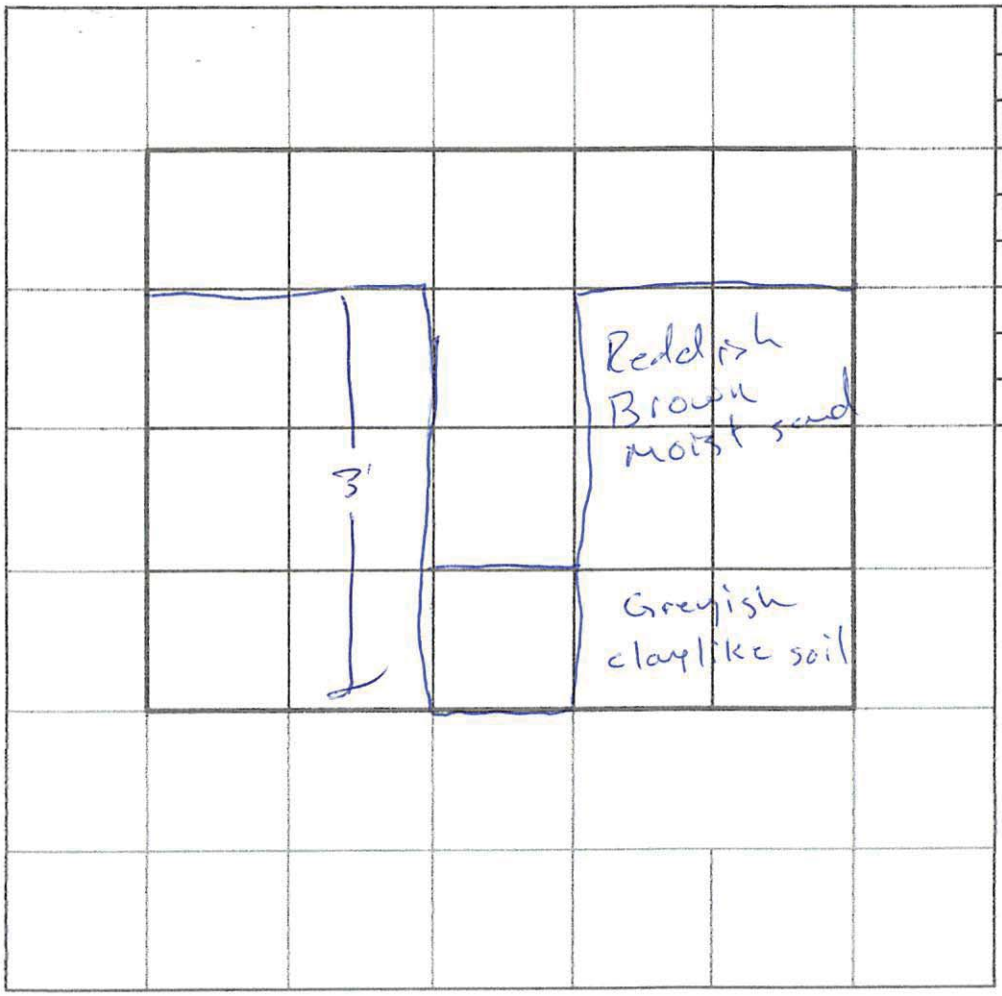
VISIBLE OBSERVATIONS:

SAMPLING PLAN:

GPS 36° 30.3691
107° 55.5626

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 5-16

ENVIRONMENTAL SPECIALIST: T. Garcia

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

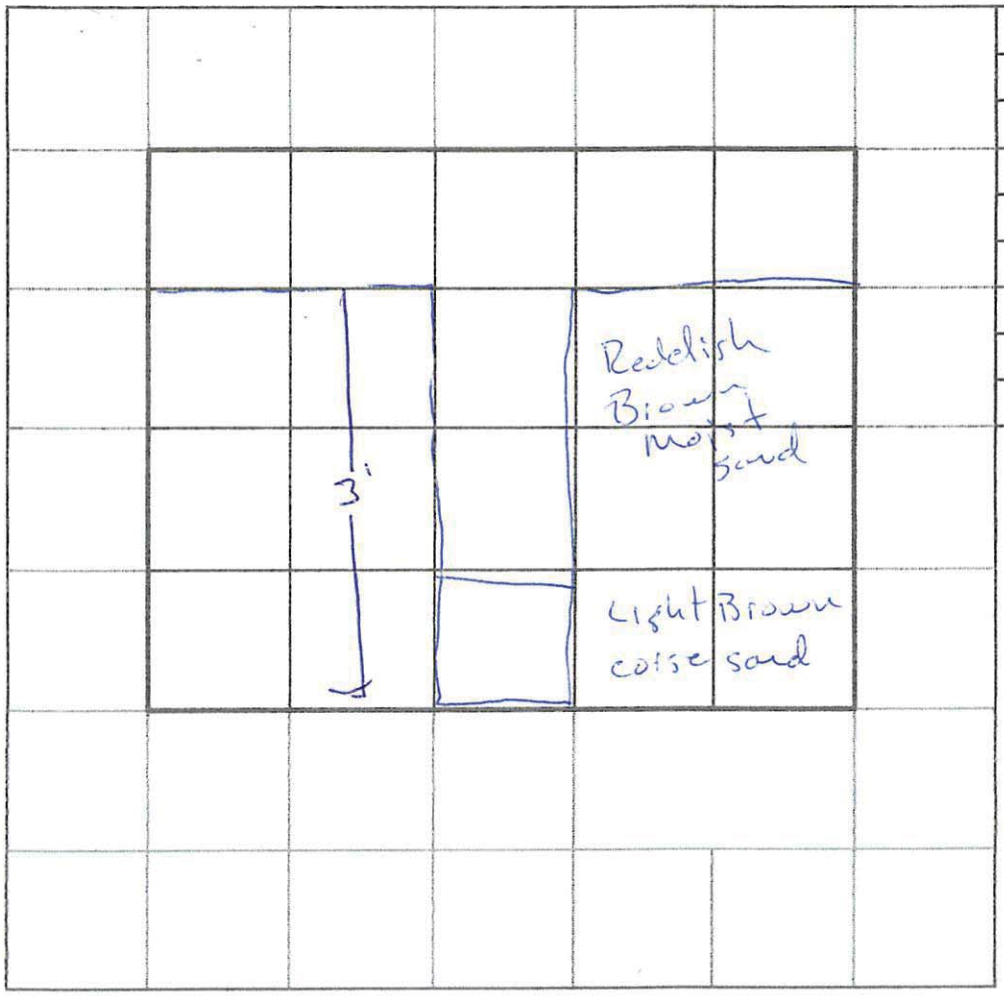
VISIBLE OBSERVATIONS:

SAMPLING PLAN:

GPS 36° 30. 36 91
107° 55. 5811

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 6-1

ENVIRONMENTAL SPECIALIST: T. Garcia

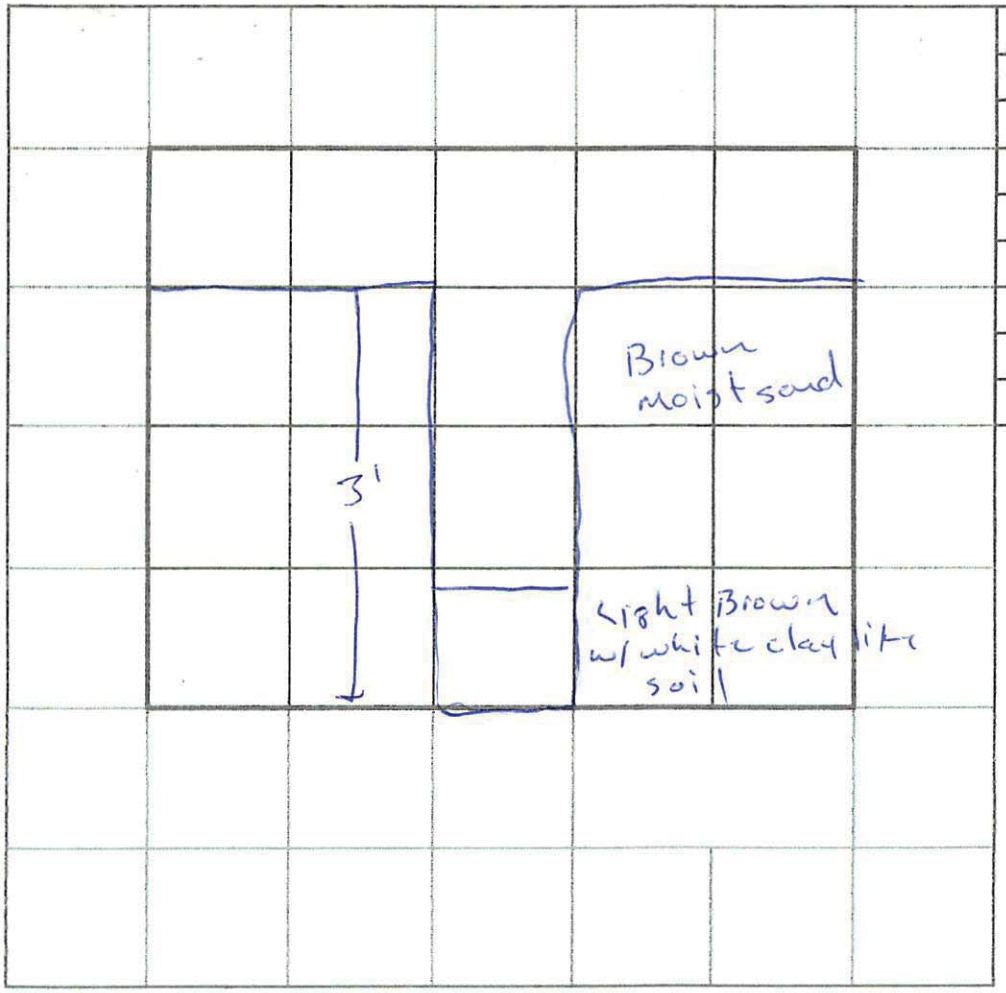
SOIL REMEDIATION	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

GPS 36° 30.3075

107° 55.6087

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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DATE FINISHED: 3/29/16

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 6-2

ENVIRONMENTAL SPECIALIST: R. Garcia

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

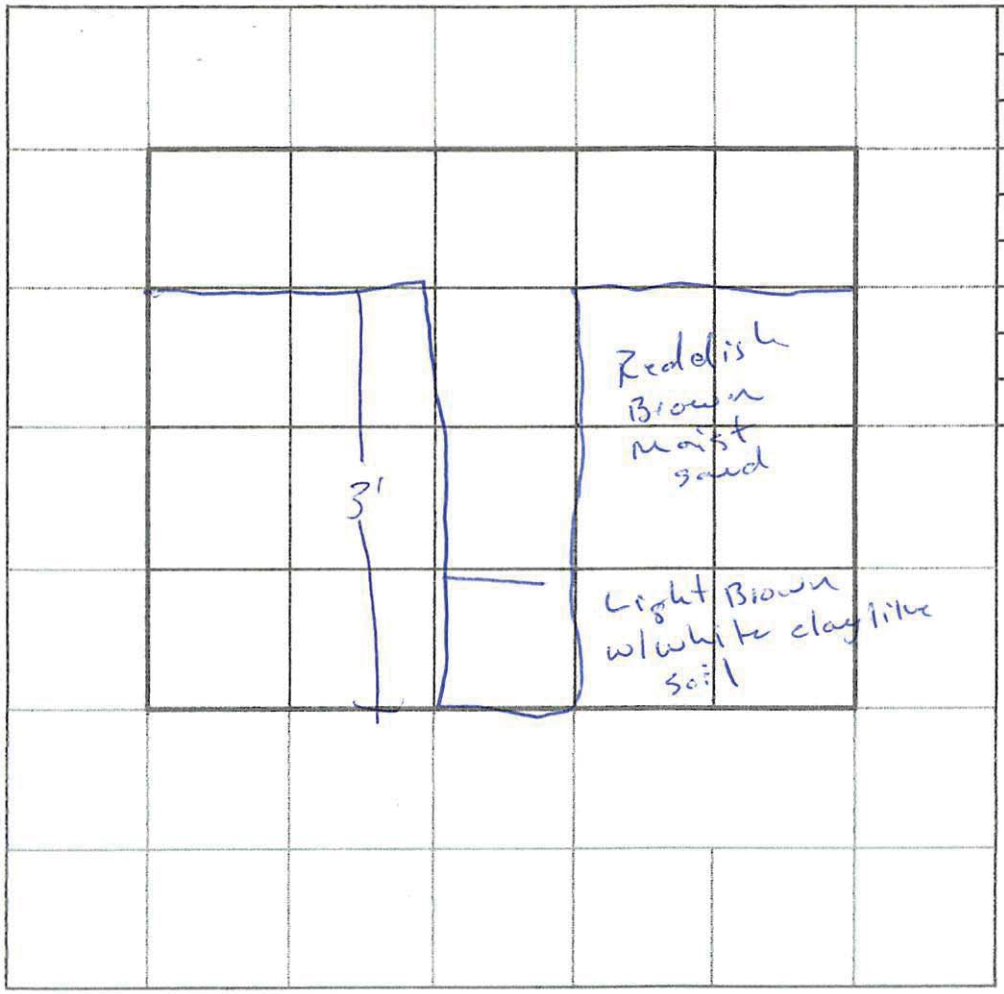
SAMPLING PLAN:

GPS 36° 30.3086

107° 55.6284

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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ENVIRONMENTAL SPECIALIST: R. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-H

CELL/ SECTION: Area G-3

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

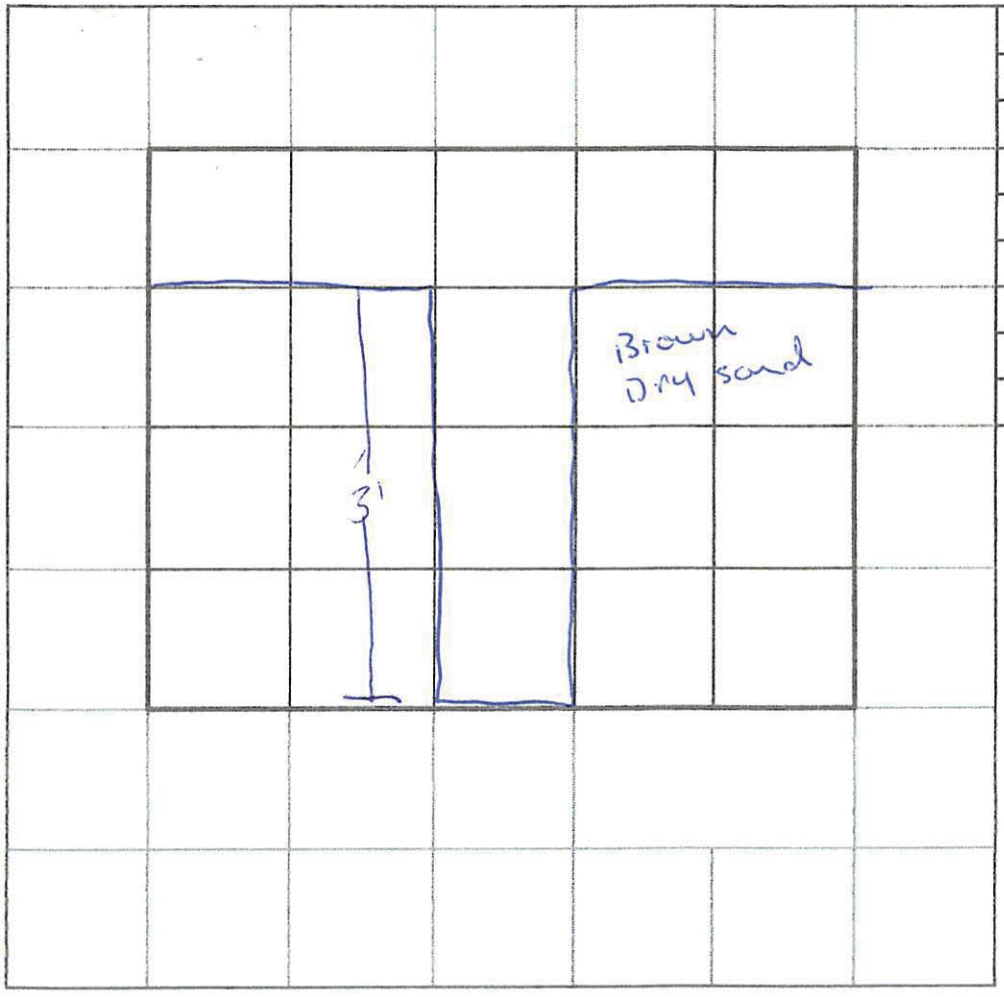
VISIBLE OBSERVATIONS:

SAMPLING PLAN:

GPS 36° 30.3068
107° 55.6475

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 6-4

ENVIRONMENTAL SPECIALIST: T. Garcia

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

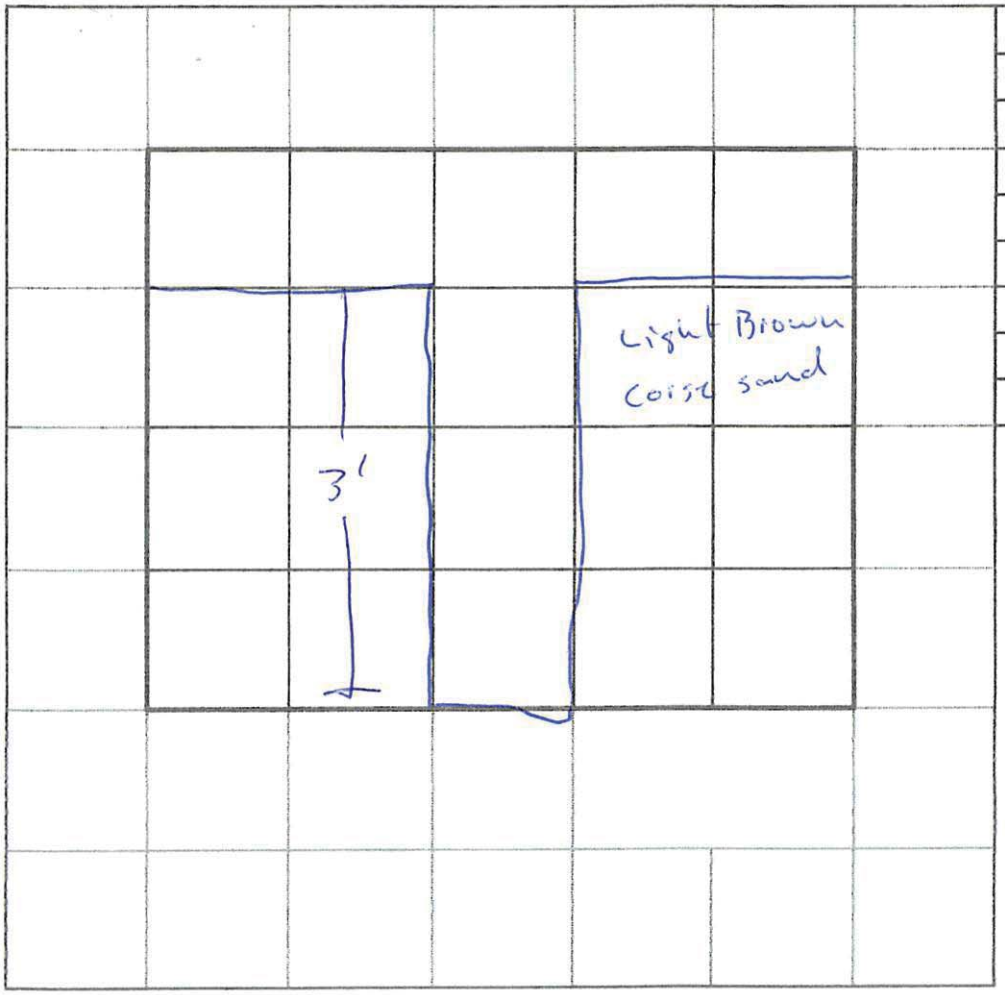
SAMPLING PLAN:

GPS 36° 30. 3046

107° 55. 6693

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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5796 U.S. Hwy 64, Farmington, NM 87401

Project No: 1st Quarter Treatment Zone Sampling

COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

PAGE NO: 1 OF 1

DATE STARTED: 3/24/16

DATE FINISHED: 3/24/16

ENVIRONMENTAL SPECIALIST: T. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area G-5

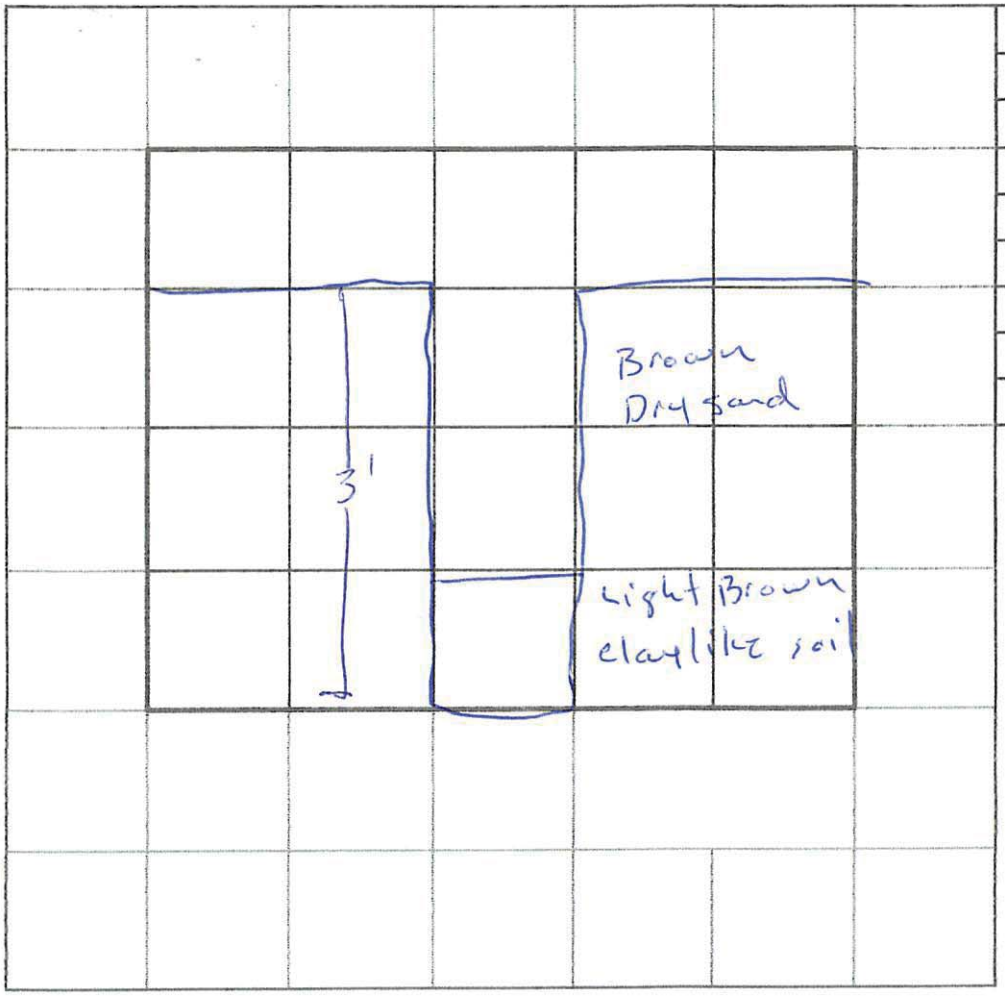
SOIL REMEDIATION	
	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

GPS 36 30.3205

107 55.6673

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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Project No: 1st Quarter Treatment Zone Sampling

COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

PAGE NO: 1 OF 1

DATE STARTED: 3/24/16

DATE FINISHED: 3/24/16

FACILITY LOCATION: ENVIROTECH, INC LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 6-6

ENVIRONMENTAL SPECIALIST: E. Garcia

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

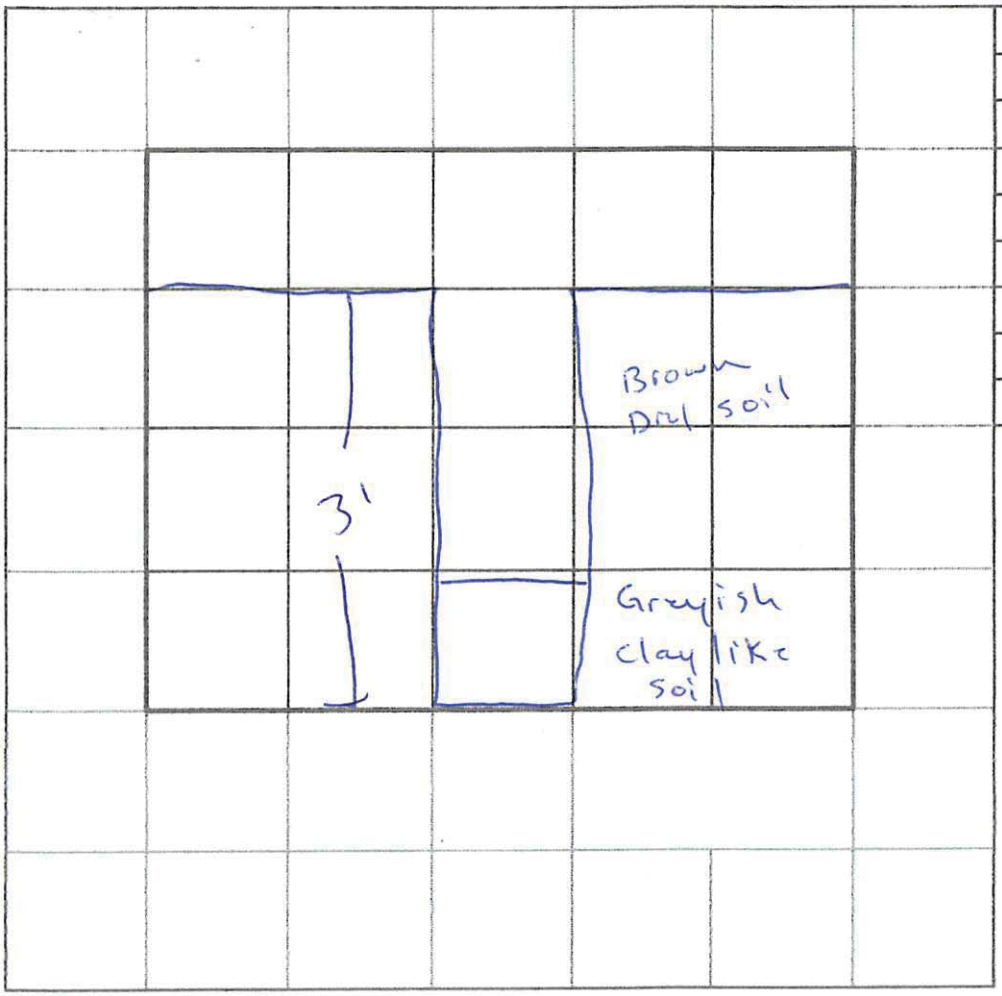
SAMPLING PLAN:

GPS 36° 30.3172

107° 55.6490

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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Project No: 1st Quarter Treatment Zone Sampling

COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

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DATE FINISHED: 3/24/16

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-41

CELL/ SECTION: Area 6-7

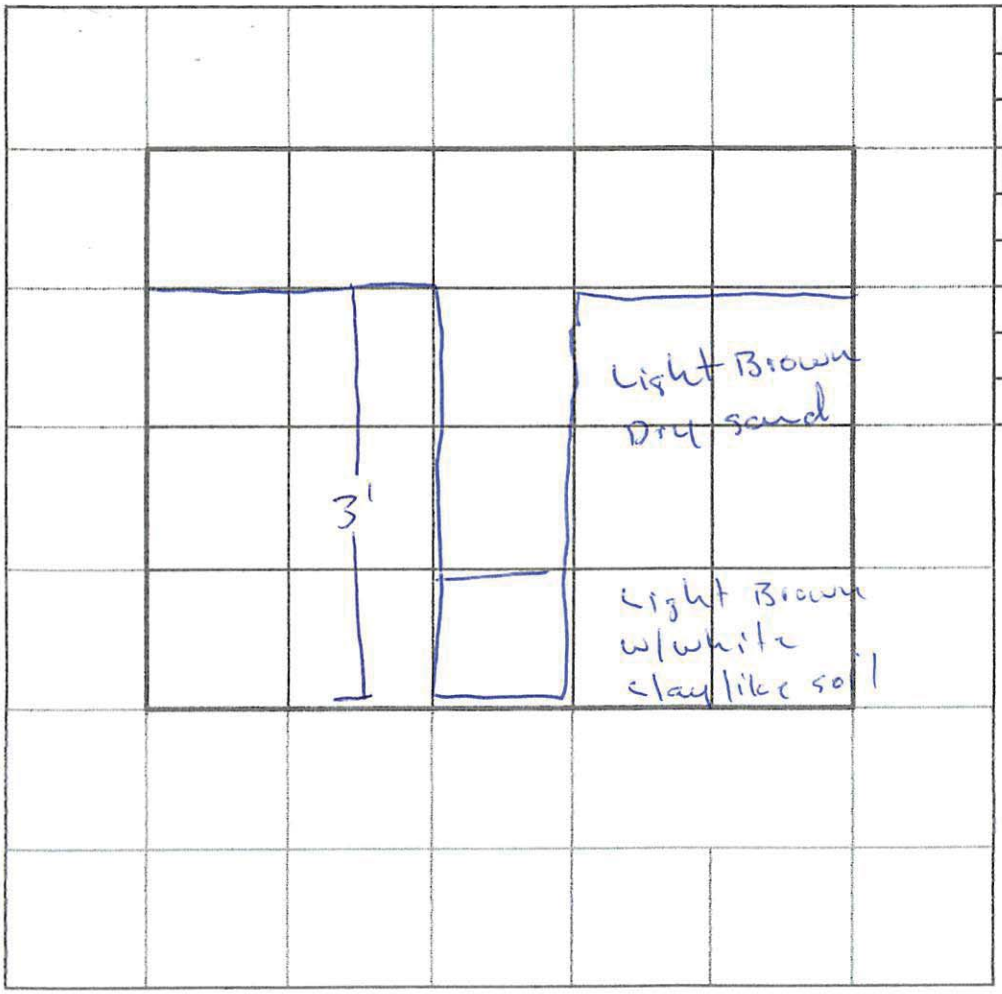
ENVIRONMENTAL SPECIALIST: T. Garcia

SOIL REMEDIATION	
	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

GPS 36° 30.* 3197
107° 55. 6295

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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Project No: 1st Quarter Treatment Zone Sampling

COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

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DATE STARTED: 5/24/16

DATE FINISHED: 5/24/16

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 6-8

ENVIRONMENTAL SPECIALIST: R. Garcia

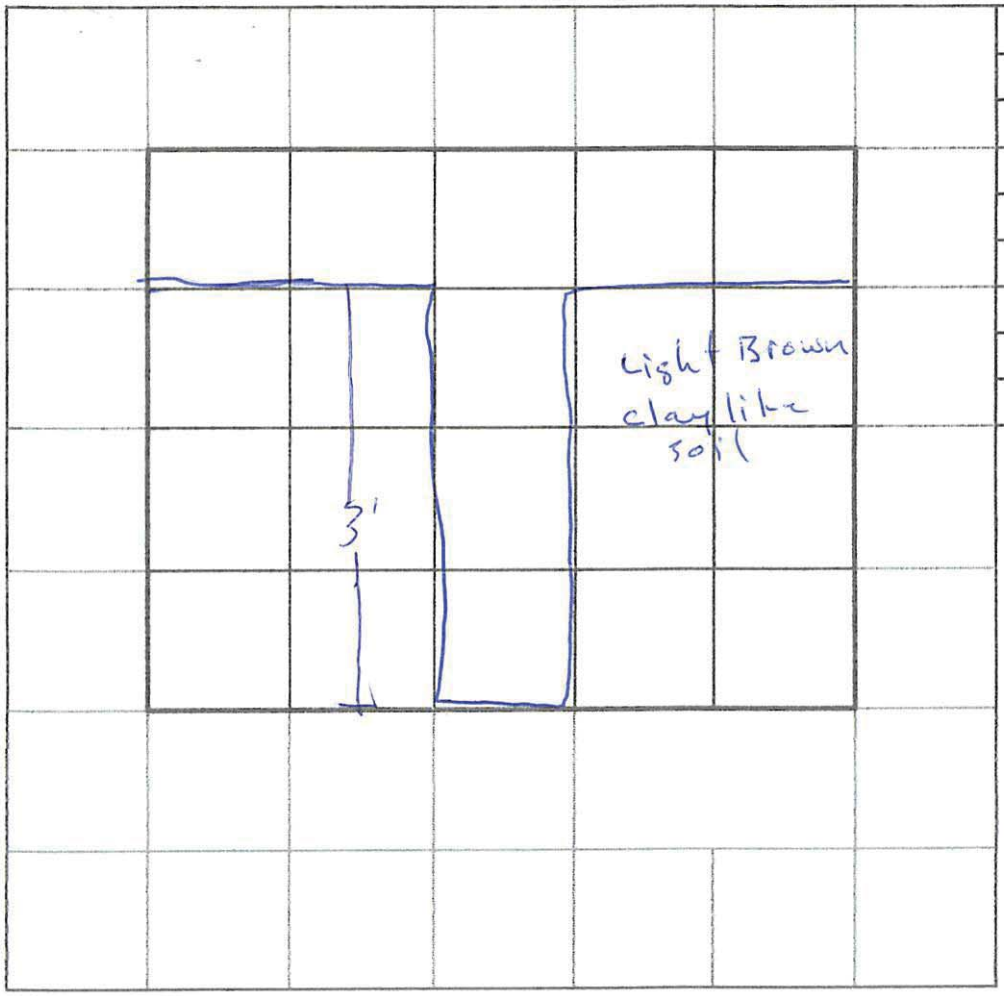
SOIL REMEDIATION	
	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

GPS 36° 30.3229

107° 55.6110

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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Project No: 1st Quarter Treatment Zone Sampling

COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

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DATE STARTED: 3/24/16

DATE FINISHED: 3/24/16

ENVIRONMENTAL SPECIALIST: B. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 6-9

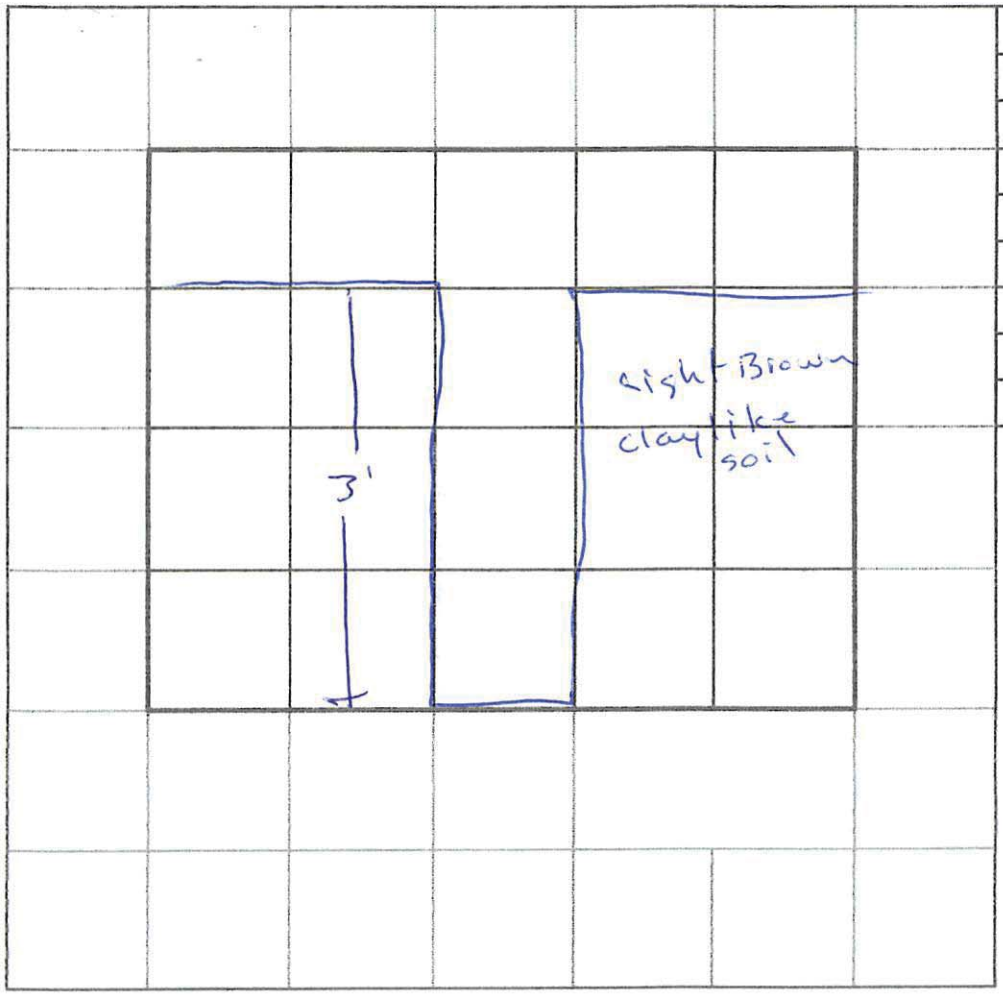
SOIL REMEDIATION	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

GPS 36° 30.3387

107° 55.6099

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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Project No: 1st Quarter Treatment Zone Sampling

COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

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DATE STARTED: 3/24/16

DATE FINISHED: 3/24/16

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 6-10

ENVIRONMENTAL SPECIALIST: J. Garcia

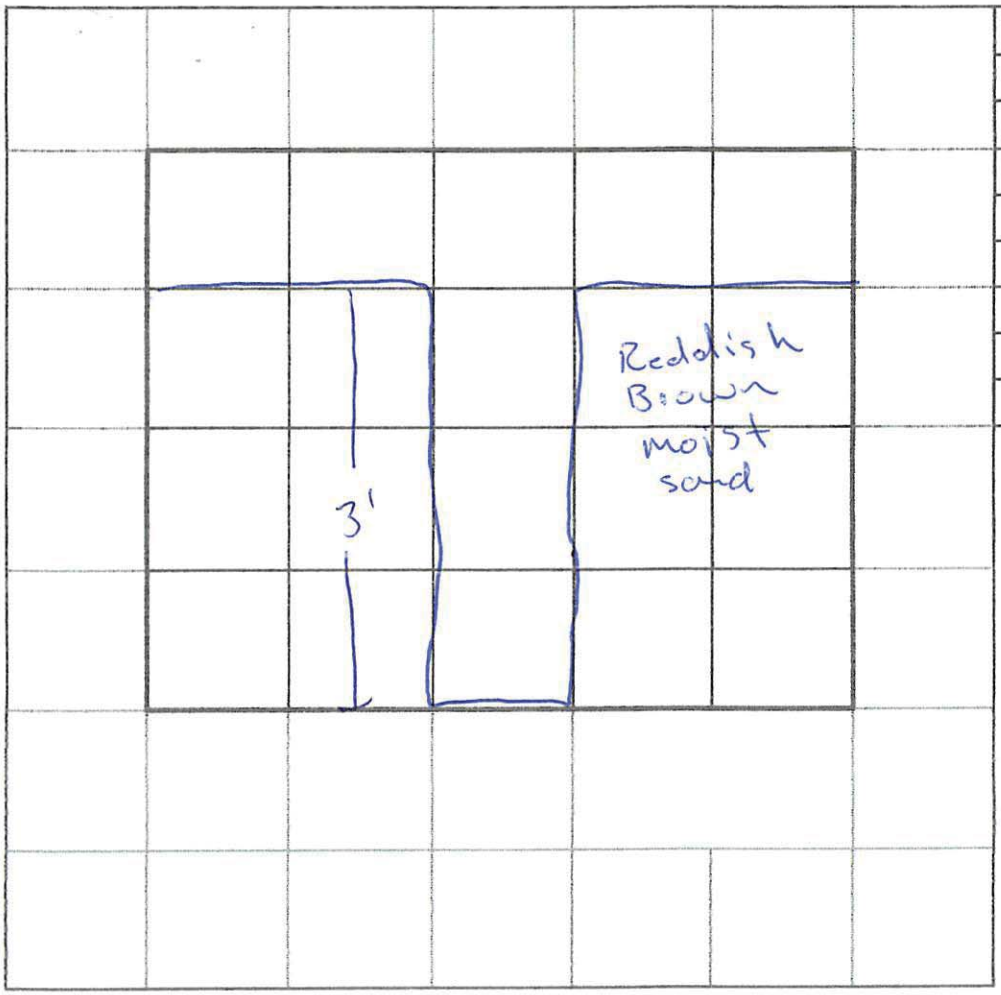
SOIL REMEDIATION	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

GPS 36° 30.3409

107° 55.6306

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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Project No: 1st Quarter Treatment Zone Sampling

COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

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DATE STARTED: 3/24/16

DATE FINISHED: 3/24/16

ENVIRONMENTAL SPECIALIST: T. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 6-11

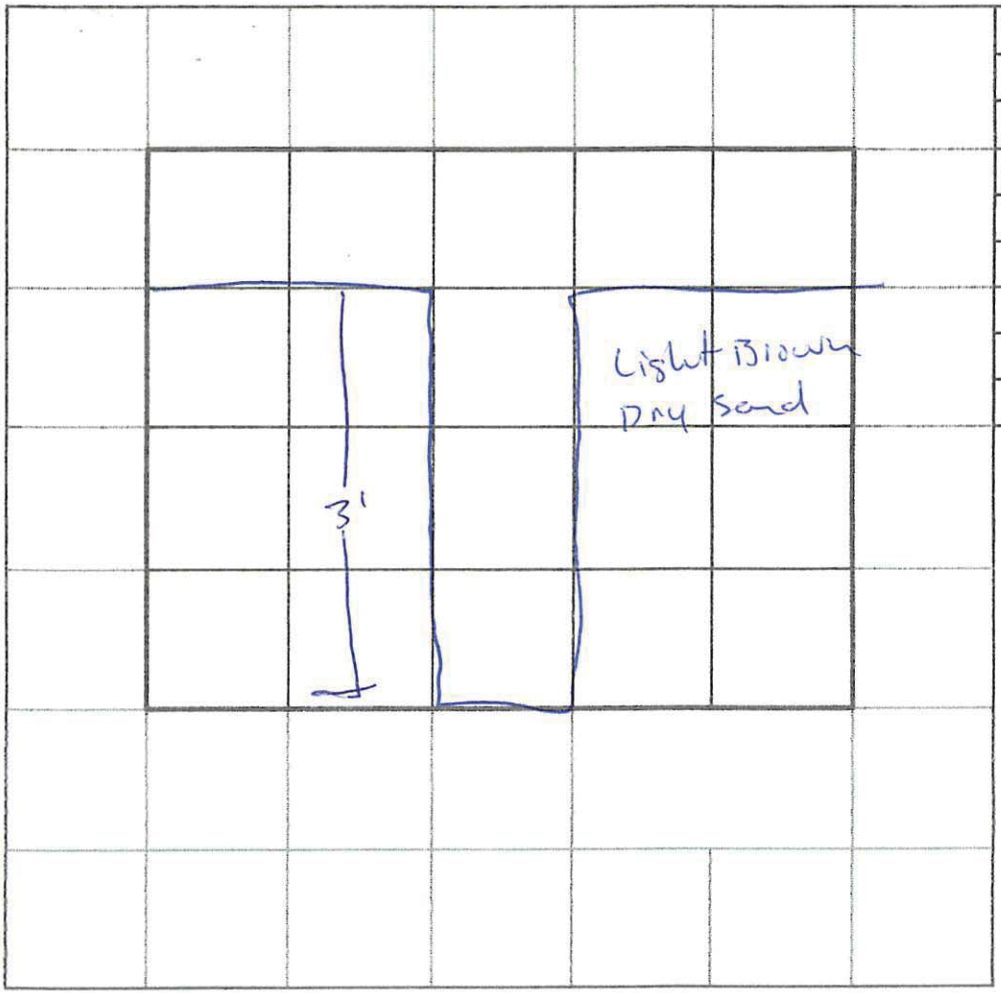
SOIL REMEDIATION	
	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

GPS 36° 30.3419

107 55.6514

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

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DATE STARTED: 3/24/16

DATE FINISHED: 3/24/16

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: CF-4

CELL/ SECTION: Area 6-12

ENVIRONMENTAL SPECIALIST: R. Garcia

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

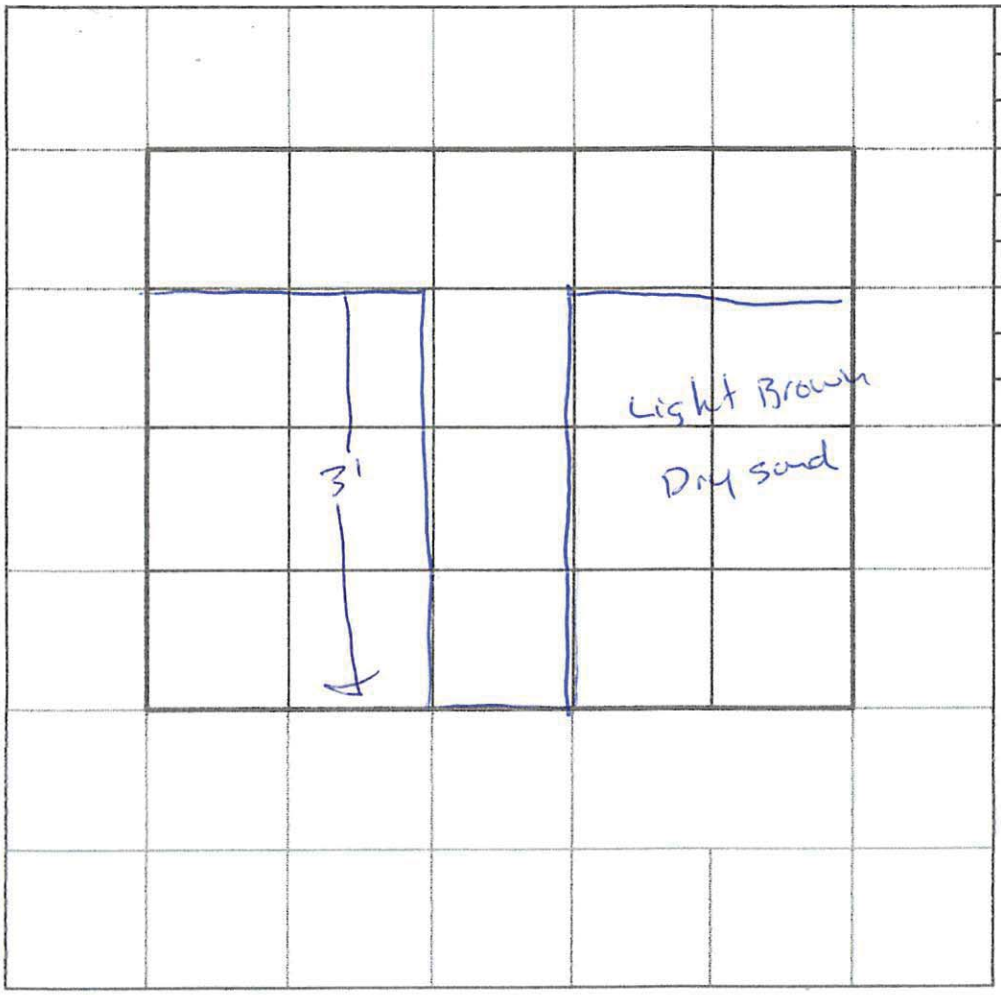
SAMPLING PLAN:

GPS 36° 30.3448

107° 55.6693

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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DATE STARTED: 3/24/16

DATE FINISHED: 3/24/16

ENVIRONMENTAL SPECIALIST: B. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 6-13

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

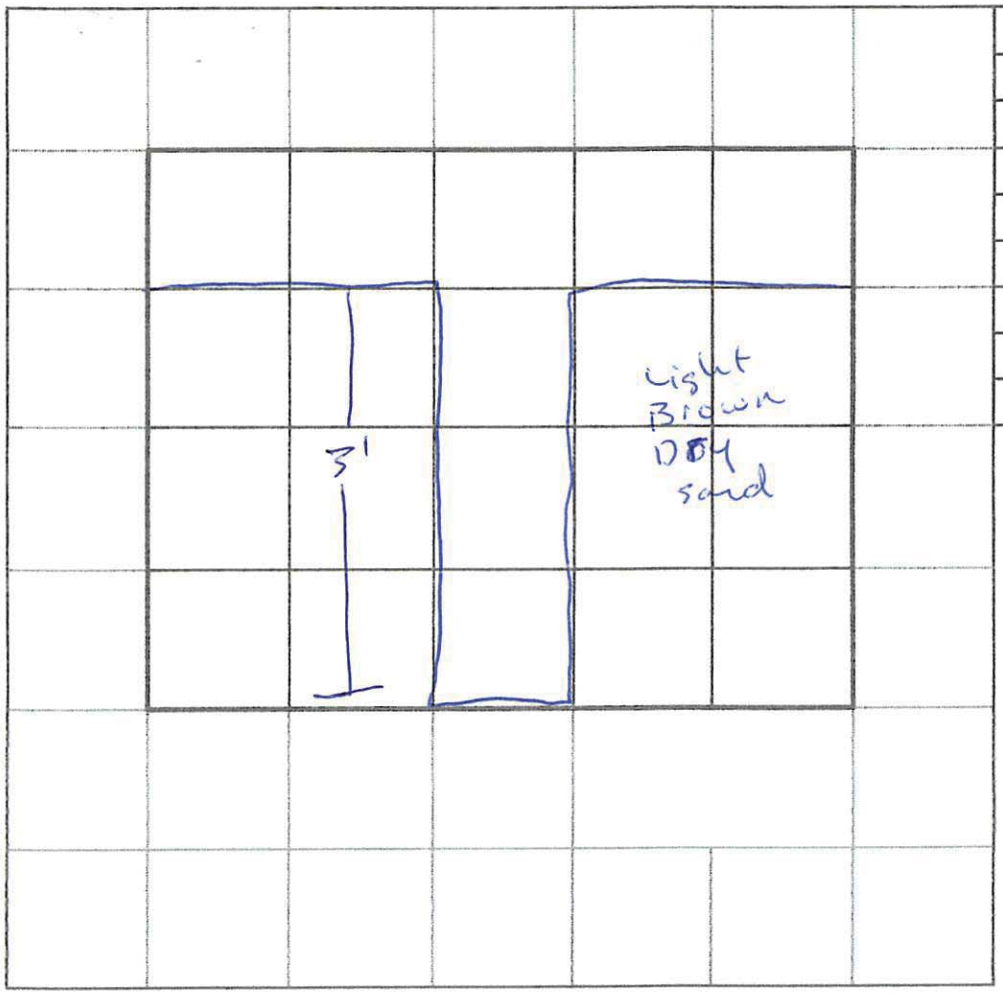
SAMPLING PLAN:

GPS 36° 30.3551

107° 55.6682

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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DATE FINISHED: 3/24/16

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 6-14

ENVIRONMENTAL SPECIALIST: R. Garcia

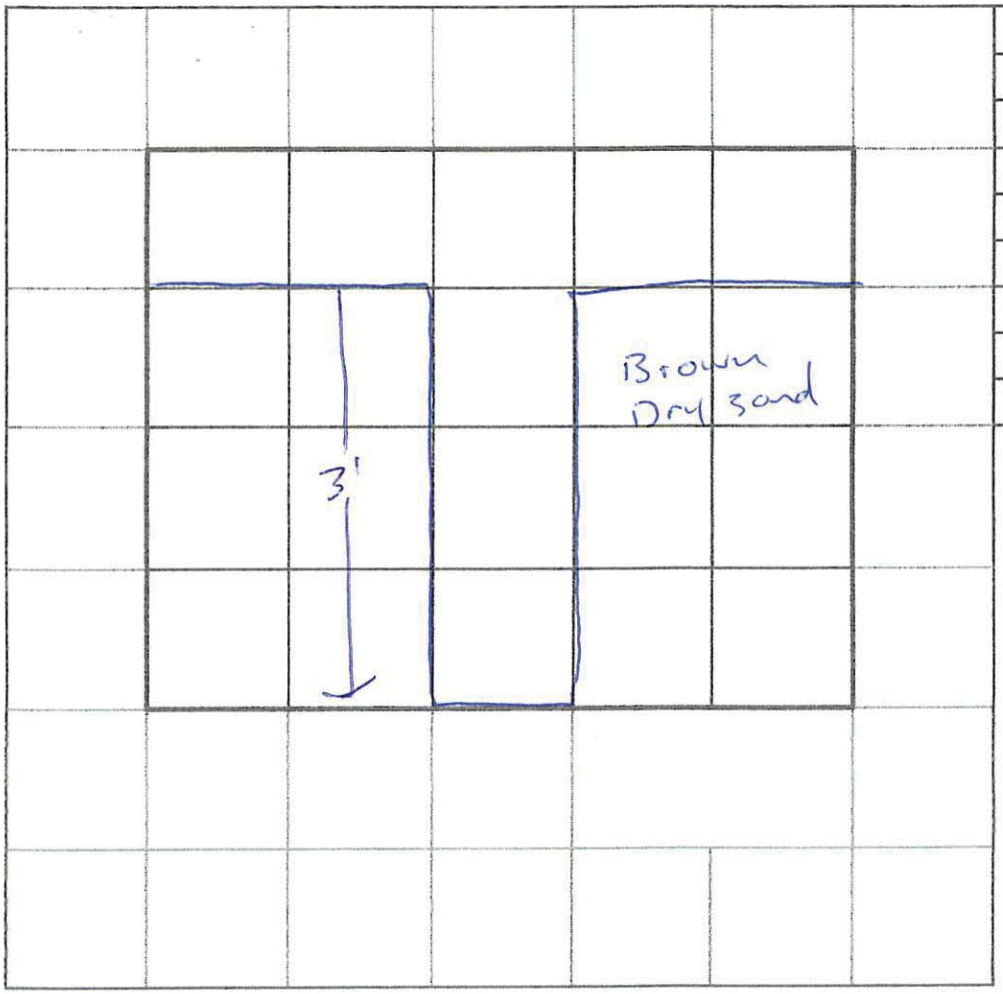
SOIL REMEDIATION	
	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

GPS 36° 30.360 2

107° 55.6498

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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Project No: 1st Quarter Treatment Zone Sampling

COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

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DATE STARTED: 3/24/16

DATE FINISHED: 3/24/16

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area G-15

ENVIRONMENTAL SPECIALIST: R. Garcia

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

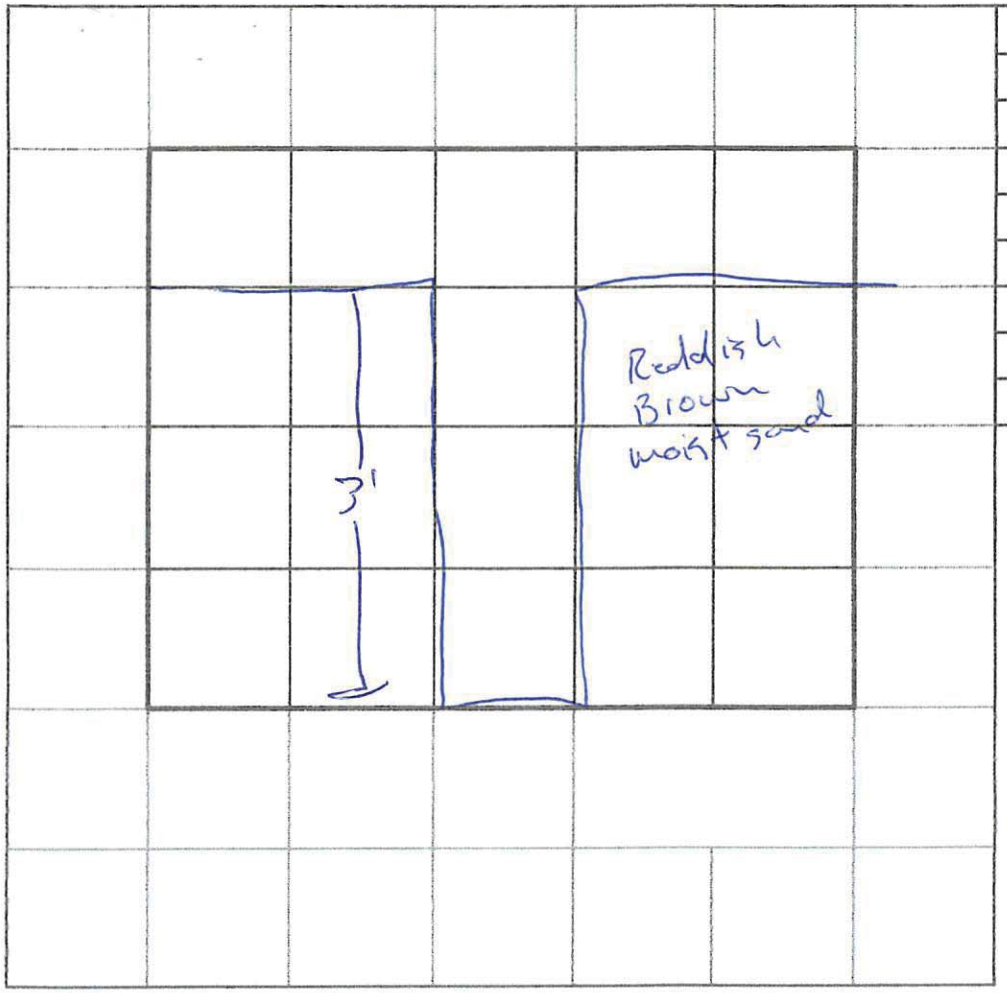
SAMPLING PLAN:

GPS 36° 30.3597

107° 55.6306

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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Project No: 1st Quarter Treatment Zone Sampling

COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

PAGE NO: 1 OF 1

DATE STARTED: 3/24/16

DATE FINISHED: 3/24/16

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 6-16

ENVIRONMENTAL SPECIALIST: R. Garcia

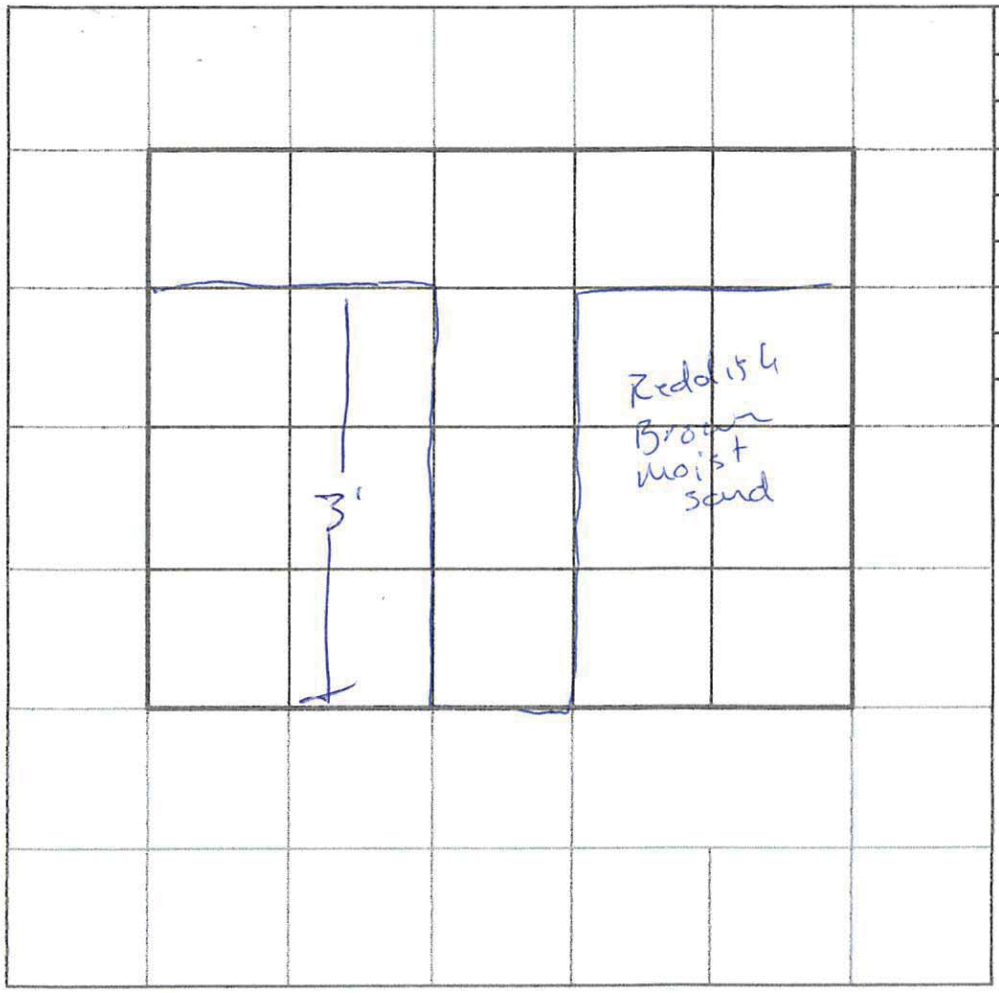
SOIL REMEDIATION	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

GPS 36° 30.361 6

107° 55.611 5

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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Project No: 1st Quarter Treatment Zone Sampling

COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

PAGE NO: 1 OF 1

DATE STARTED: 3/24/16

DATE FINISHED: 3/24/16

ENVIRONMENTAL SPECIALIST: J. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

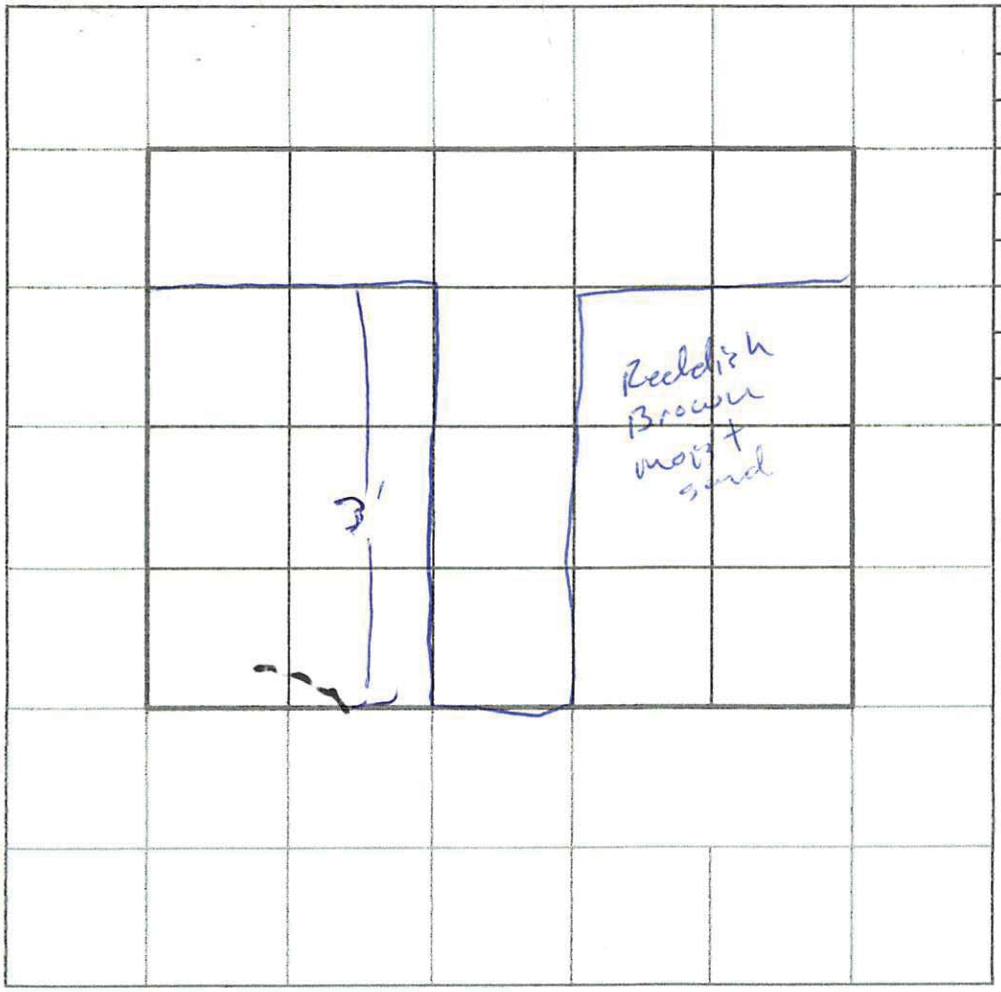
CELL/ SECTION: Area 7-1

SOIL REMEDIATION	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

GPS 36° 31.1654
107° 55.8609

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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Project No: 1st Quarter Treatment Zone Sampling

COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

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DATE STARTED: 3/24/16

DATE FINISHED: 3/24/16

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 7-2

ENVIRONMENTAL SPECIALIST: R. Garcia

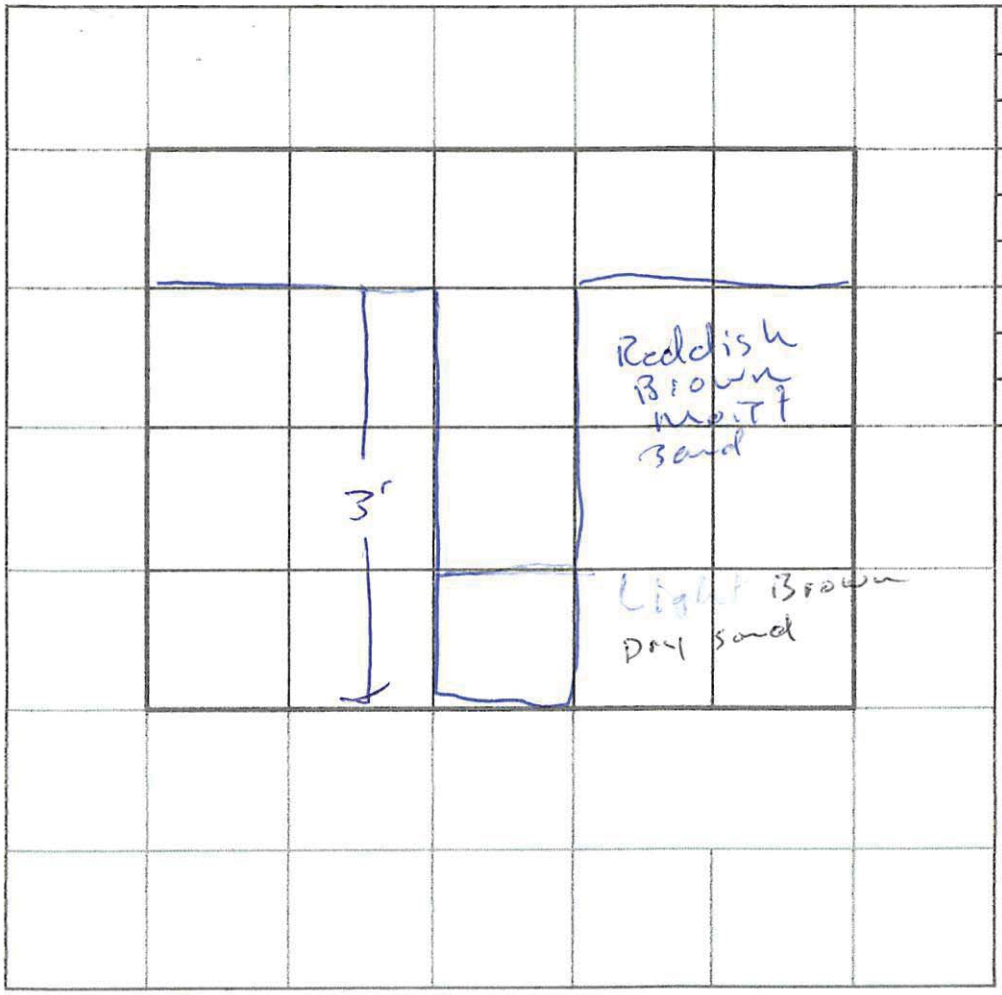
SOIL REMEDIATION	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

GPS 36° 31.1669

107° 55.8406

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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Project No: 1st Quarter Treatment Zone Sampling

COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

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DATE STARTED: 3/24/16

DATE FINISHED: 3/24/16

ENVIRONMENTAL SPECIALIST: R. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 7-3

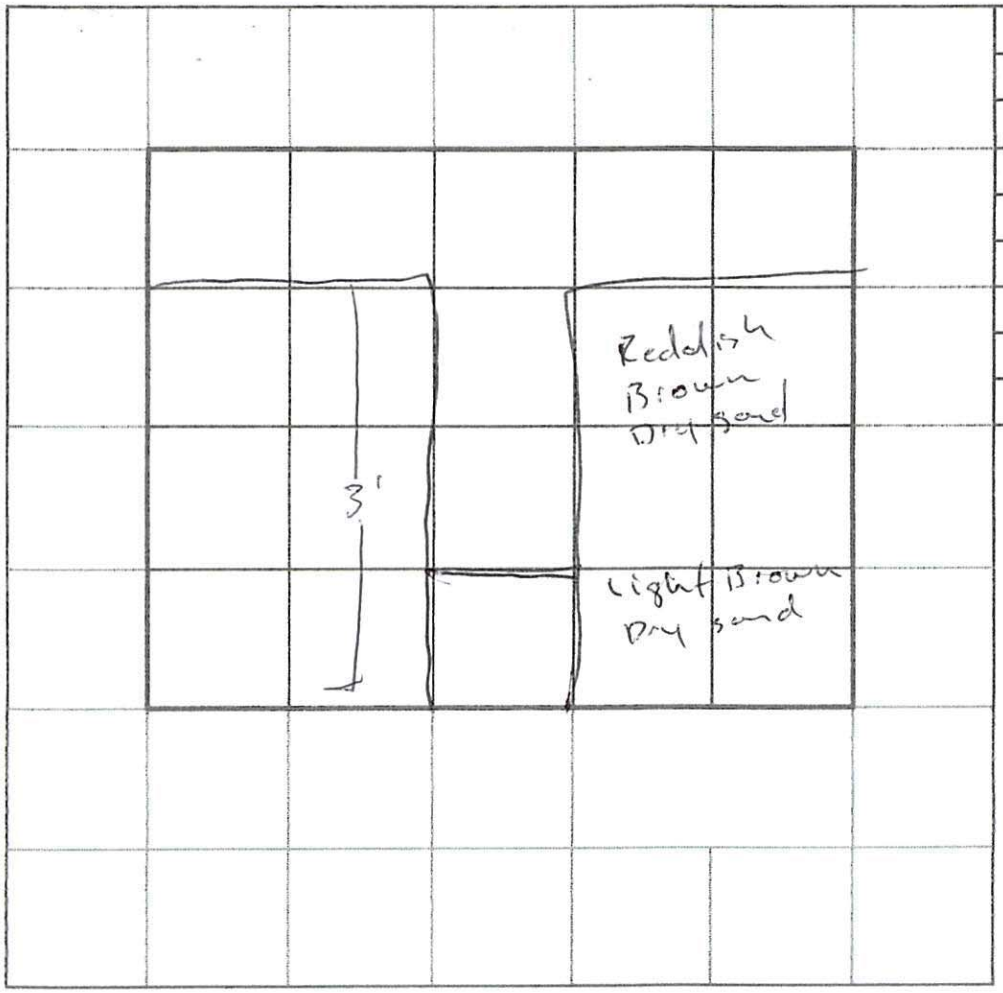
SOIL REMEDIATION	
	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

GPS 36° 31.1677

107° 55.8181

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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Project No: 1st Quarter Treatment Zone Sampling

COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

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DATE STARTED: 3/24/16

DATE FINISHED: 3/24/16

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LFH

CELL/ SECTION: Area 7-4

ENVIRONMENTAL SPECIALIST: J. Garcia

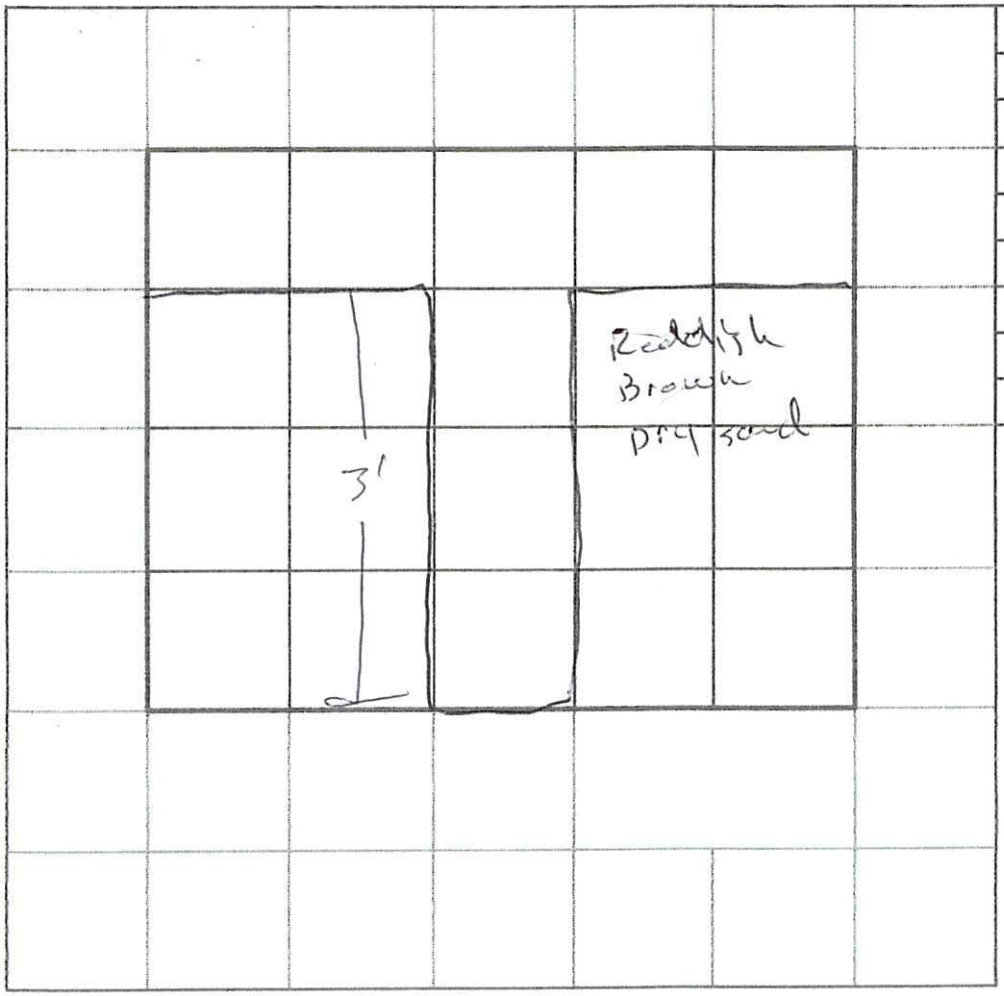
SOIL REMEDIATION	
	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

GPS 36° 31.1685

107° 55.7985

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

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DATE STARTED: 3/24/16

DATE FINISHED: 3/24/16

ENVIRONMENTAL SPECIALIST: I. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 7-5

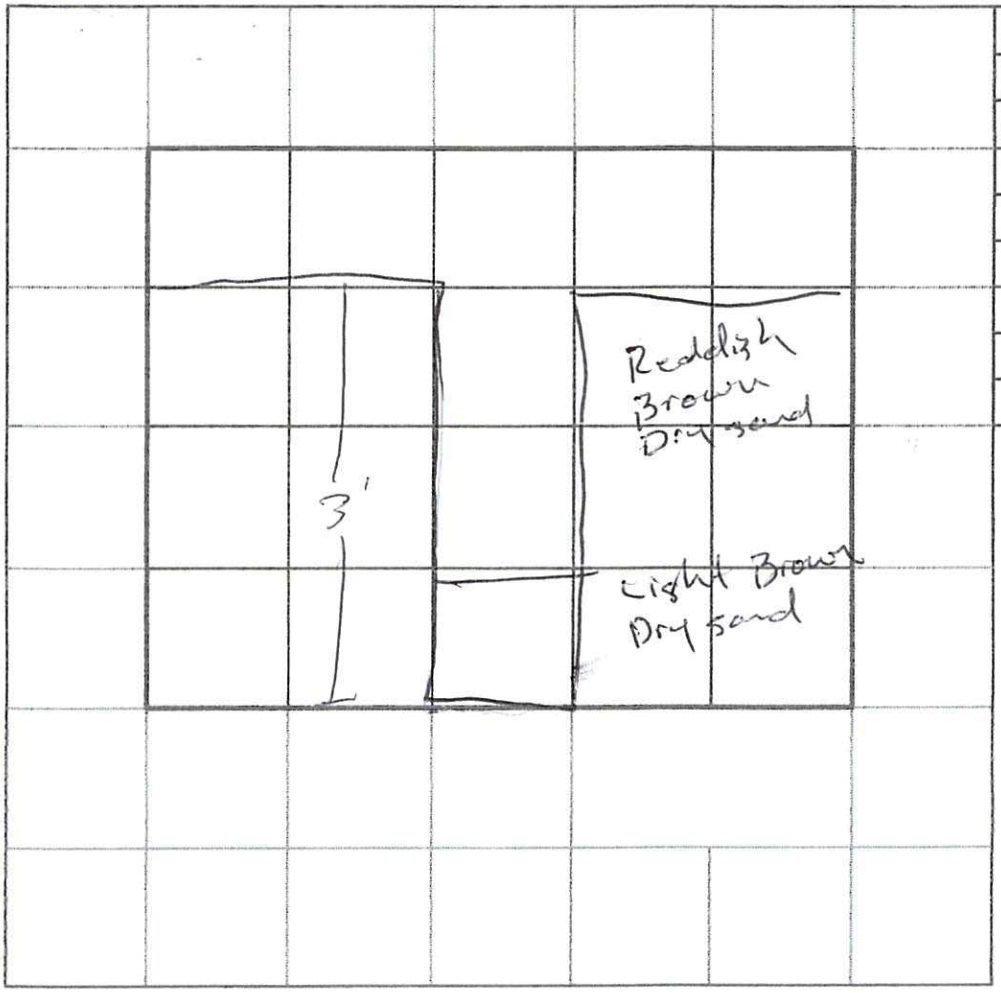
SOIL REMEDIATION	
	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

GPS 36° 31.1697

107° 55.7775

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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DATE STARTED: 3/24/16

DATE FINISHED: 3/24/16

ENVIRONMENTAL SPECIALIST: T. Gracia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF 34

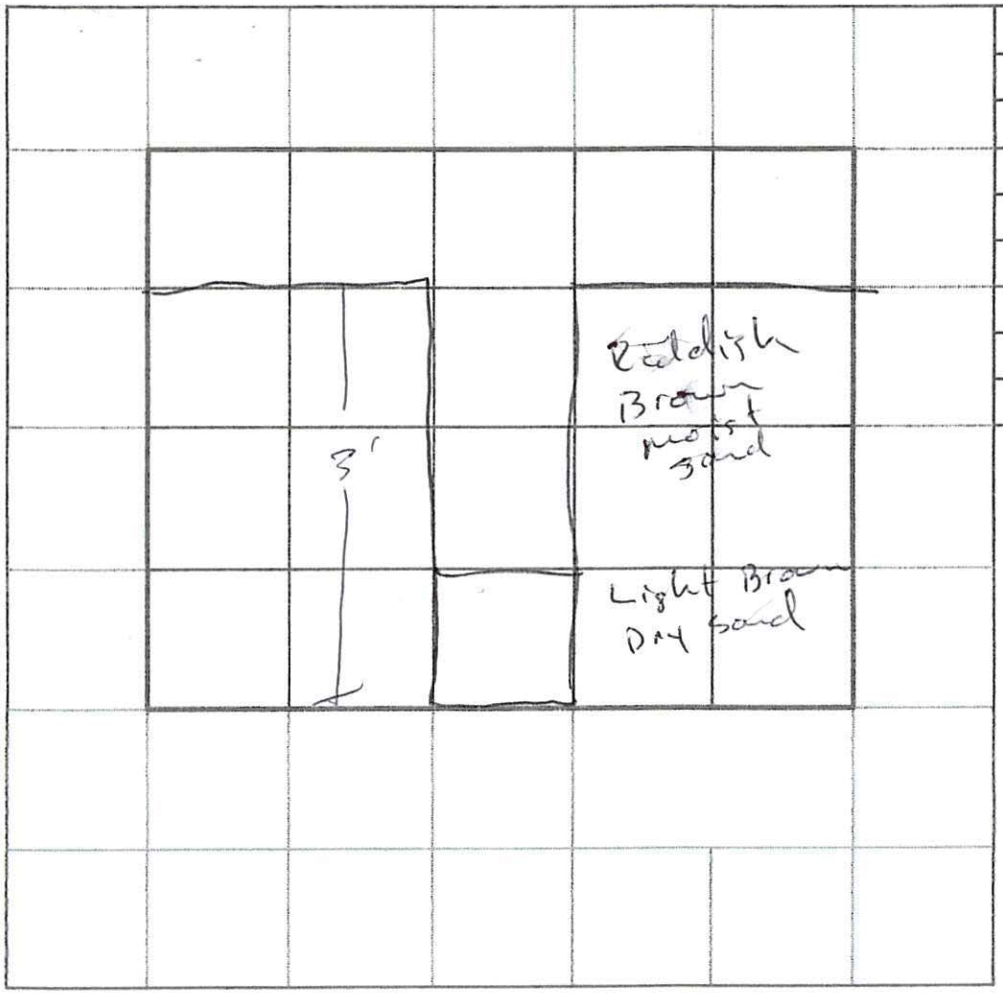
CELL/ SECTION: Area 7-6

SOIL REMEDIATION	
	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

GPS 36° 31.169'N
107° 55.7559

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

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DATE STARTED: 3/24/16

DATE FINISHED: 3/24/16

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 7-7

ENVIRONMENTAL SPECIALIST: J. Garcia

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

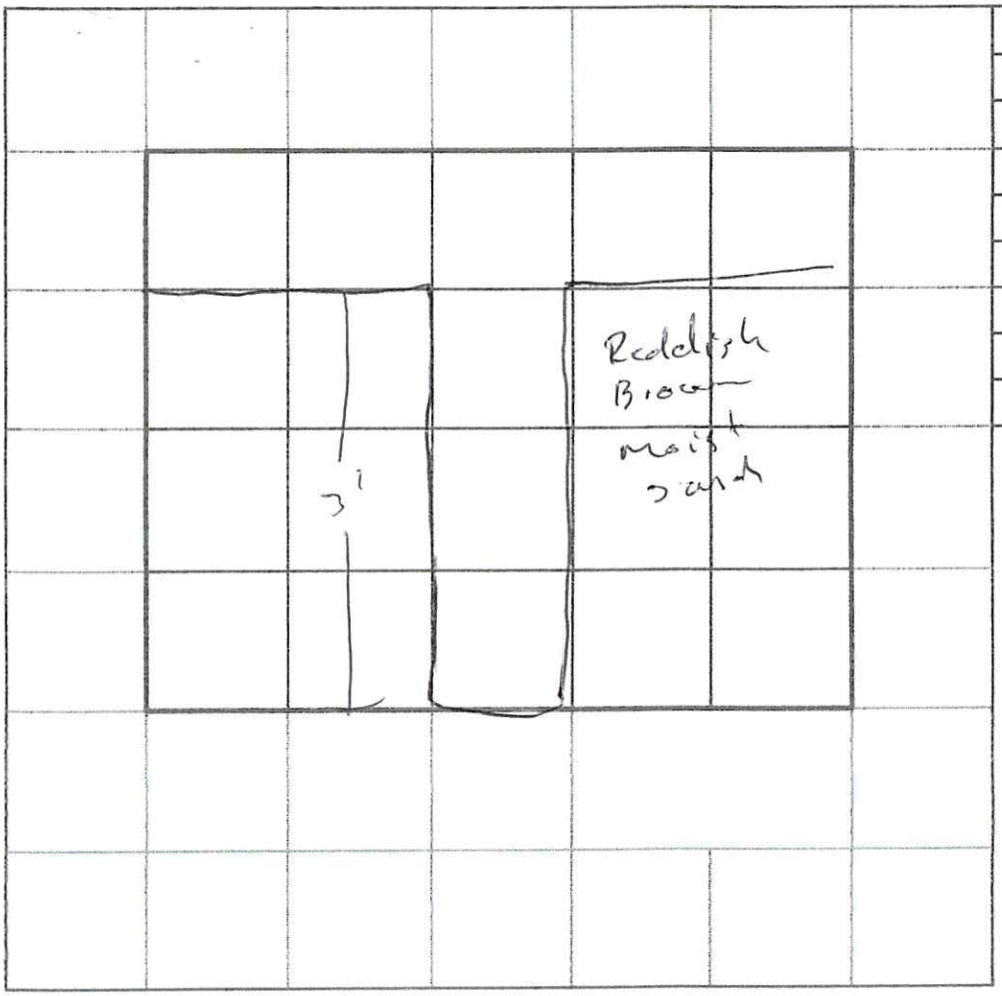
SAMPLING PLAN:

GPS 36° 31.1791

107° 55.7726

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 7-8

ENVIRONMENTAL SPECIALIST: T. Garcia

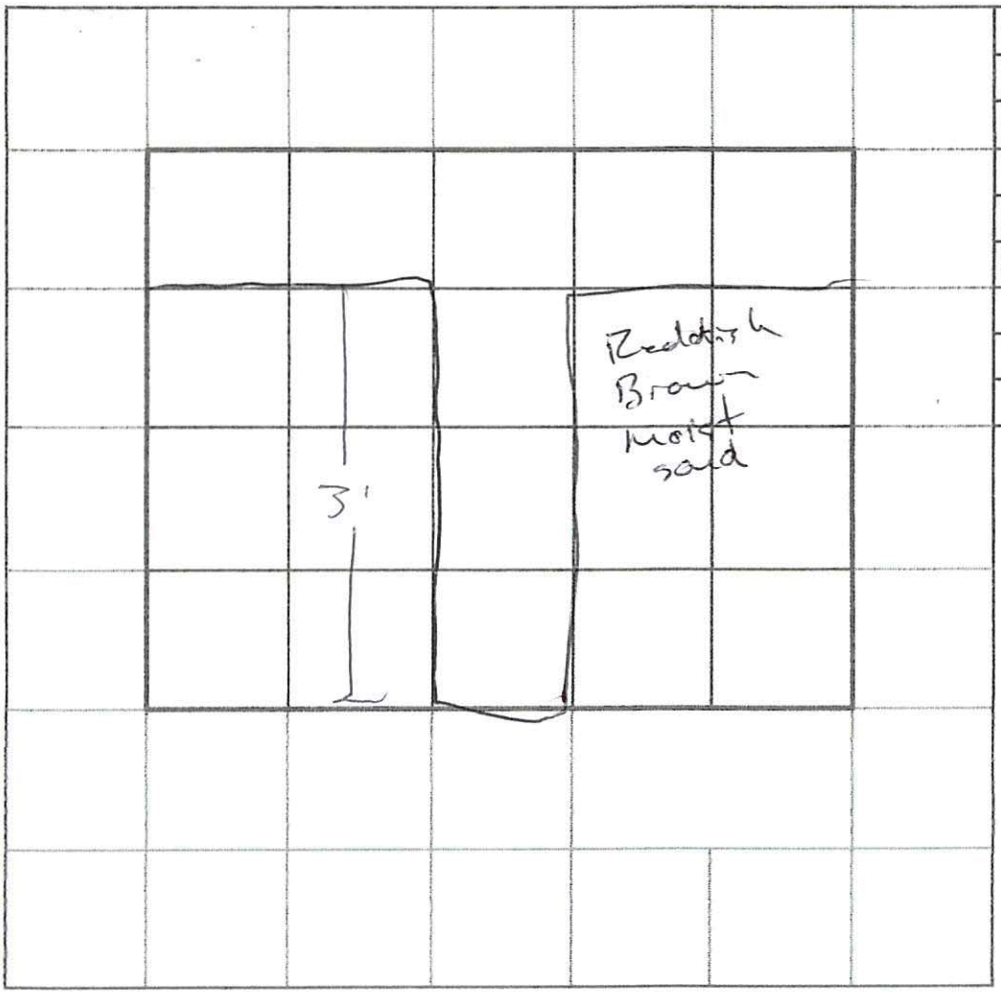
SOIL REMEDIATION	
	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

GPS 36° 31.1810

107° 55.7949

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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5796 U.S. Hwy 64, Farmington, NM 87401

Project No: 1st Quarter Treatment Zone Sampling

COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

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DATE STARTED: 3/24/16

DATE FINISHED: 3/24/16

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF 4

CELL/ SECTION: Area 7-9

ENVIRONMENTAL SPECIALIST: T. Garcia

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

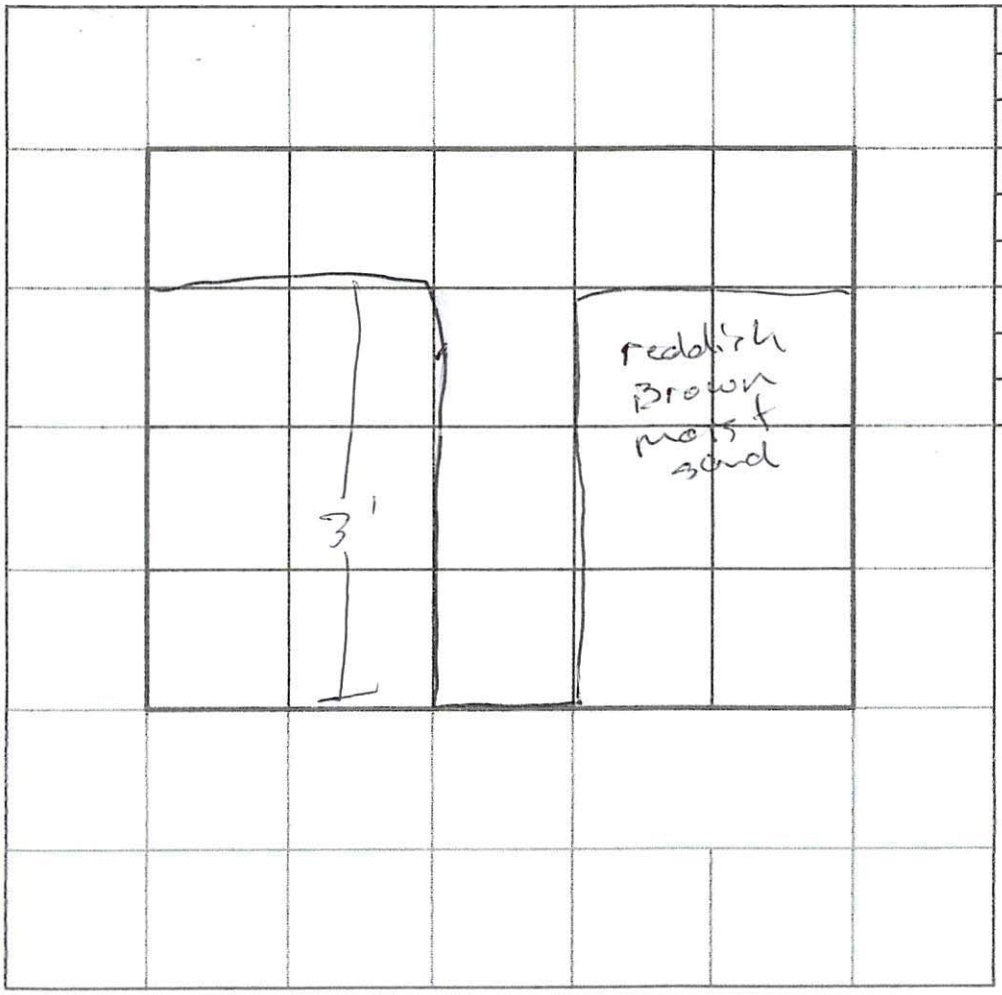
SAMPLING PLAN:

GPS 36° 31. 1825

107° 55. 8168

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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Project No: 1st Quarter Treatment Zone Sampling

COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

PAGE NO: 1 OF 1

DATE STARTED: 3/24/16

DATE FINISHED: 3/24/16

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 7-10

ENVIRONMENTAL SPECIALIST: J. Garcia

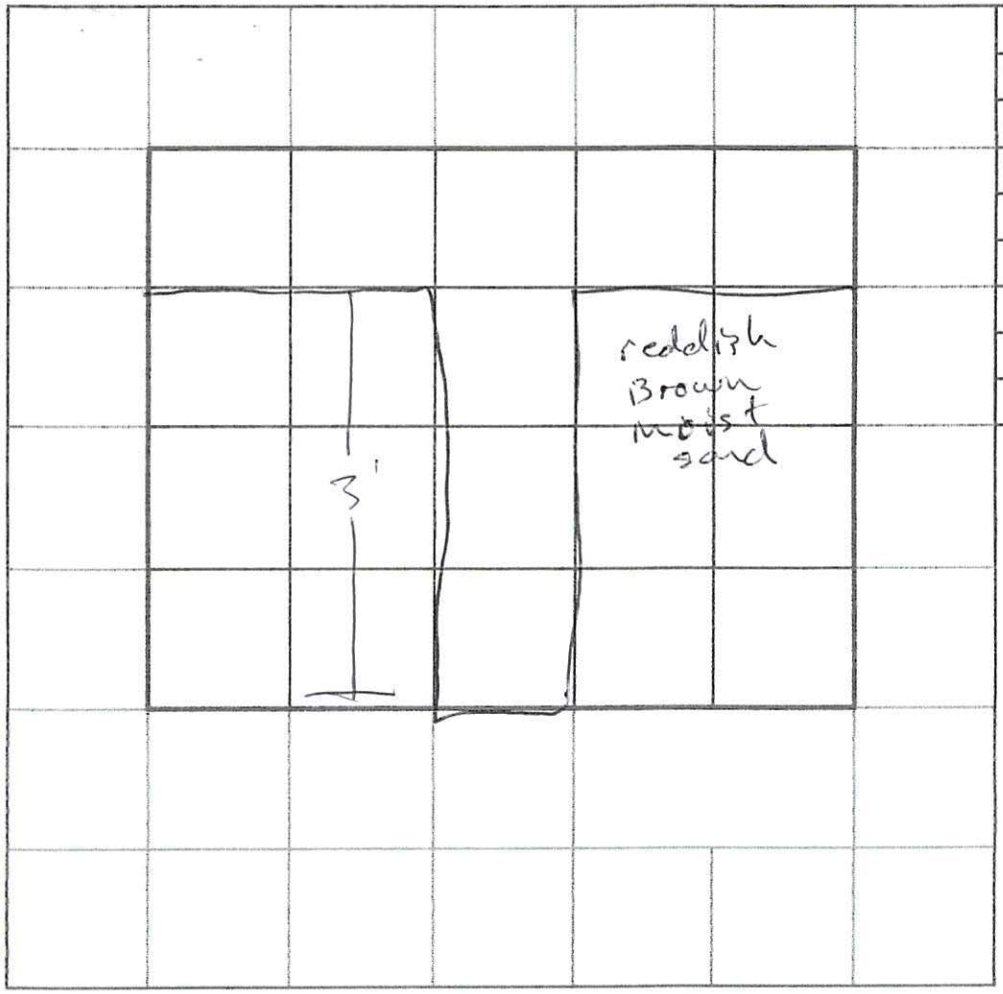
SOIL REMEDIATION	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

GPS 36° 31.1850

107° 55.8464

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

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DATE STARTED: 3/24/16

DATE FINISHED: 3/24/16

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 7-11

ENVIRONMENTAL SPECIALIST: R. Garcia

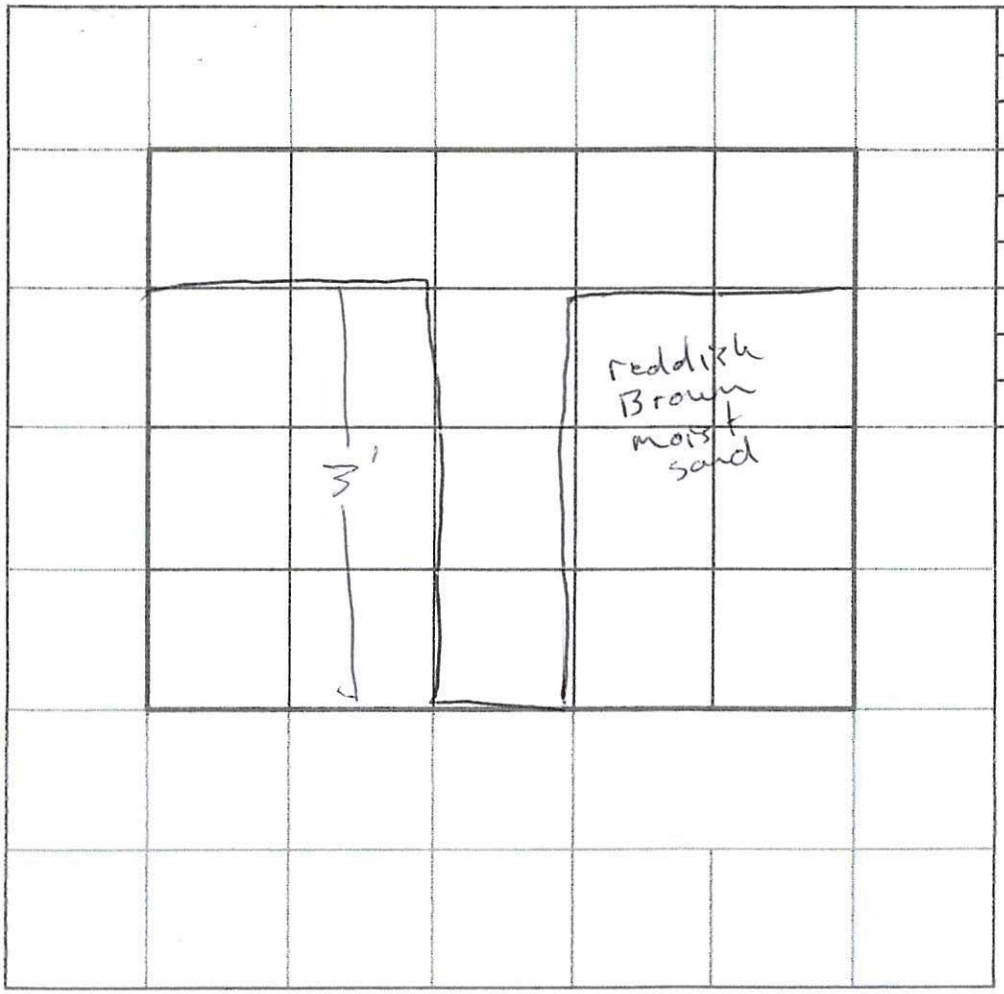
SOIL REMEDIATION	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

GPS 36° 31.1950

107° 55.8668

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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DATE STARTED: 3/24/16

DATE FINISHED: 3/24/16

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-H

CELL/ SECTION: Area 7-12

ENVIRONMENTAL SPECIALIST: E. Garcia

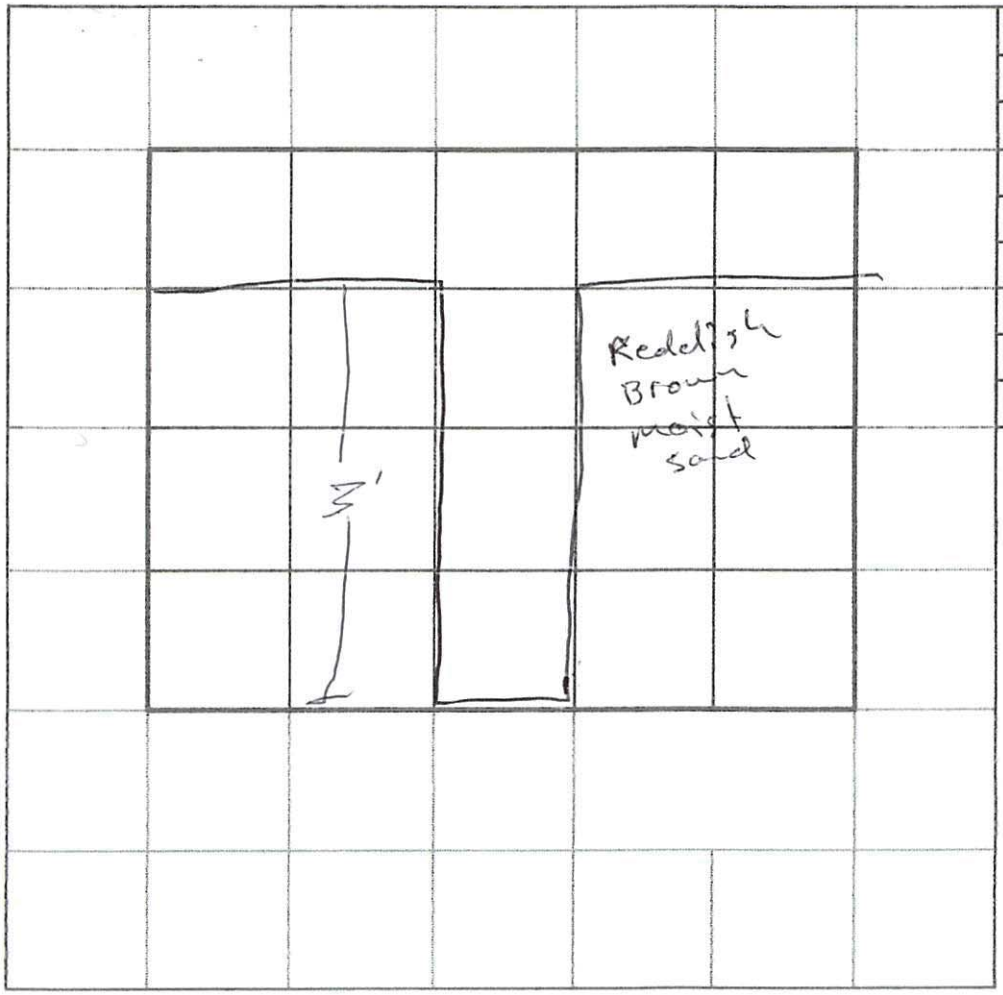
SOIL REMEDIATION	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

GPS 36° 31. 2028

107° 55. 8530

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

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DATE STARTED: 3/24/16

DATE FINISHED: 3/24/16

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 7-13

ENVIRONMENTAL SPECIALIST: Z. Garcia

SOIL REMEDIATION	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

GPS 36° 31.2123

107° 55.8396

SAMPLE DIAGRAM

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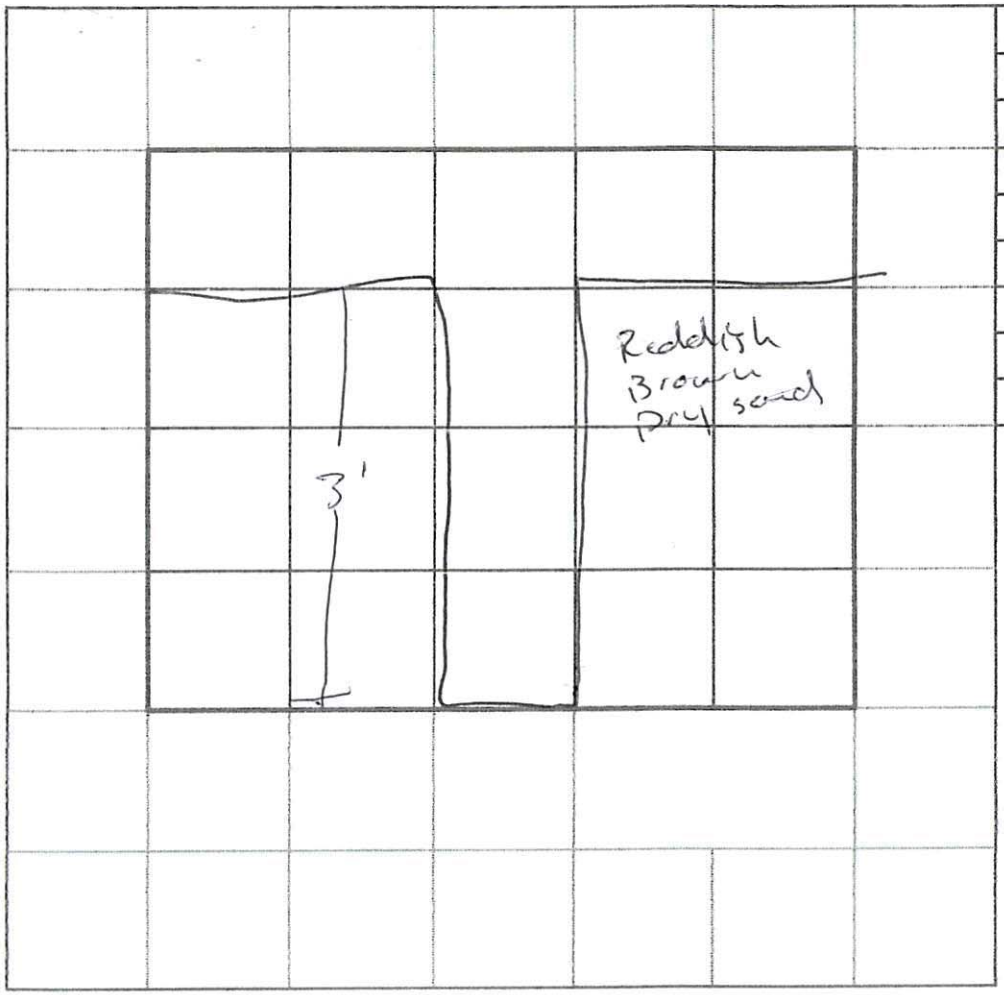

LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

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DATE STARTED: 3/24/16

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FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-41

CELL/ SECTION: Area 7-B14

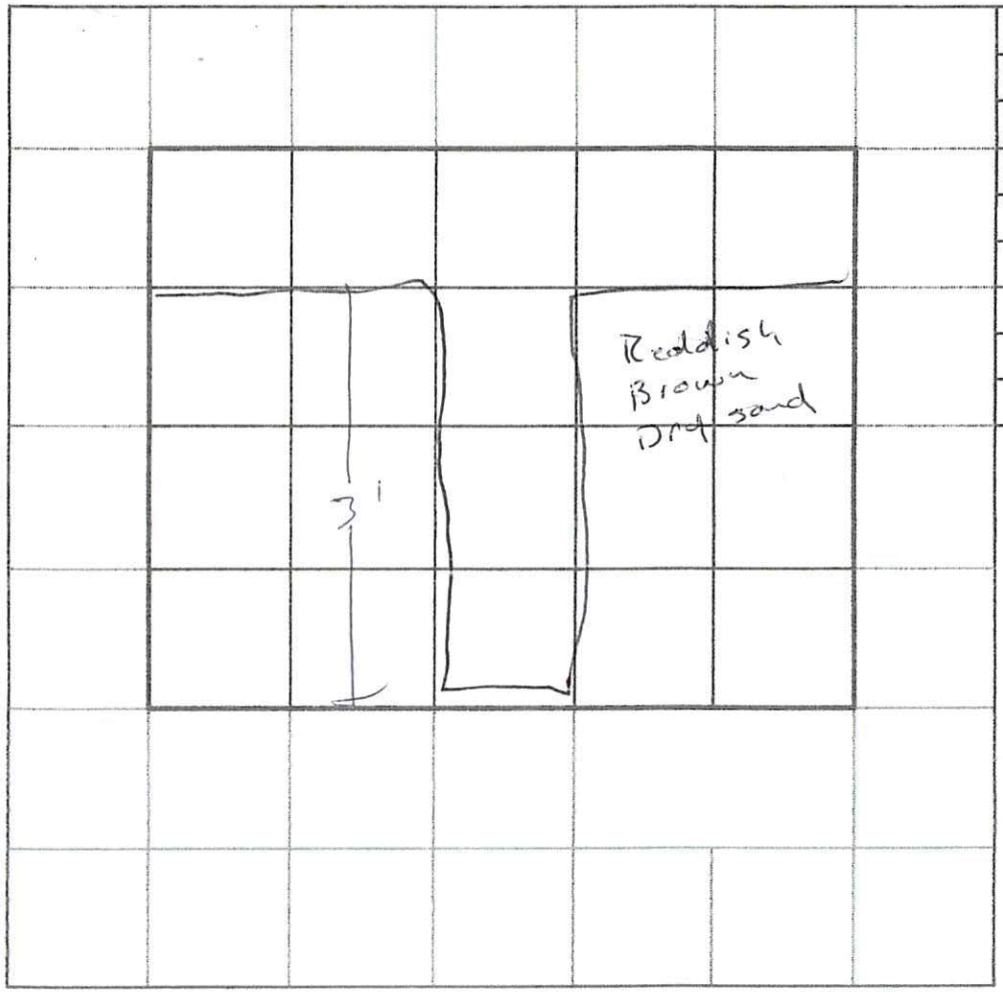
ENVIRONMENTAL SPECIALIST: R. Garcia

SOIL REMEDIATION	
	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

GPS 36° 31.2272
107° 55.8476

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

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FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 7-15

ENVIRONMENTAL SPECIALIST: B. Garcia

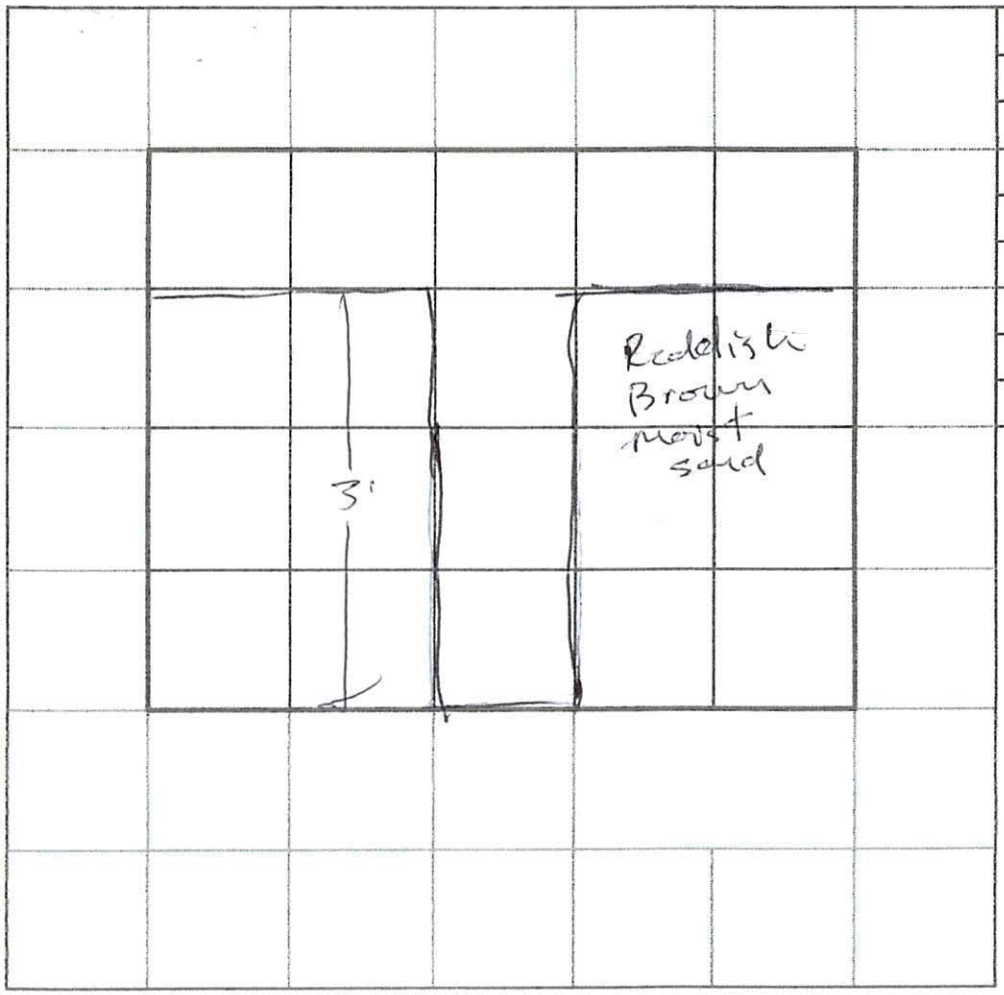
SOIL REMEDIATION	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

GPS 36° 31.2257

107° 55.8664

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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DATE STARTED: 3/24/16

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ENVIRONMENTAL SPECIALIST: B. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 7-16

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

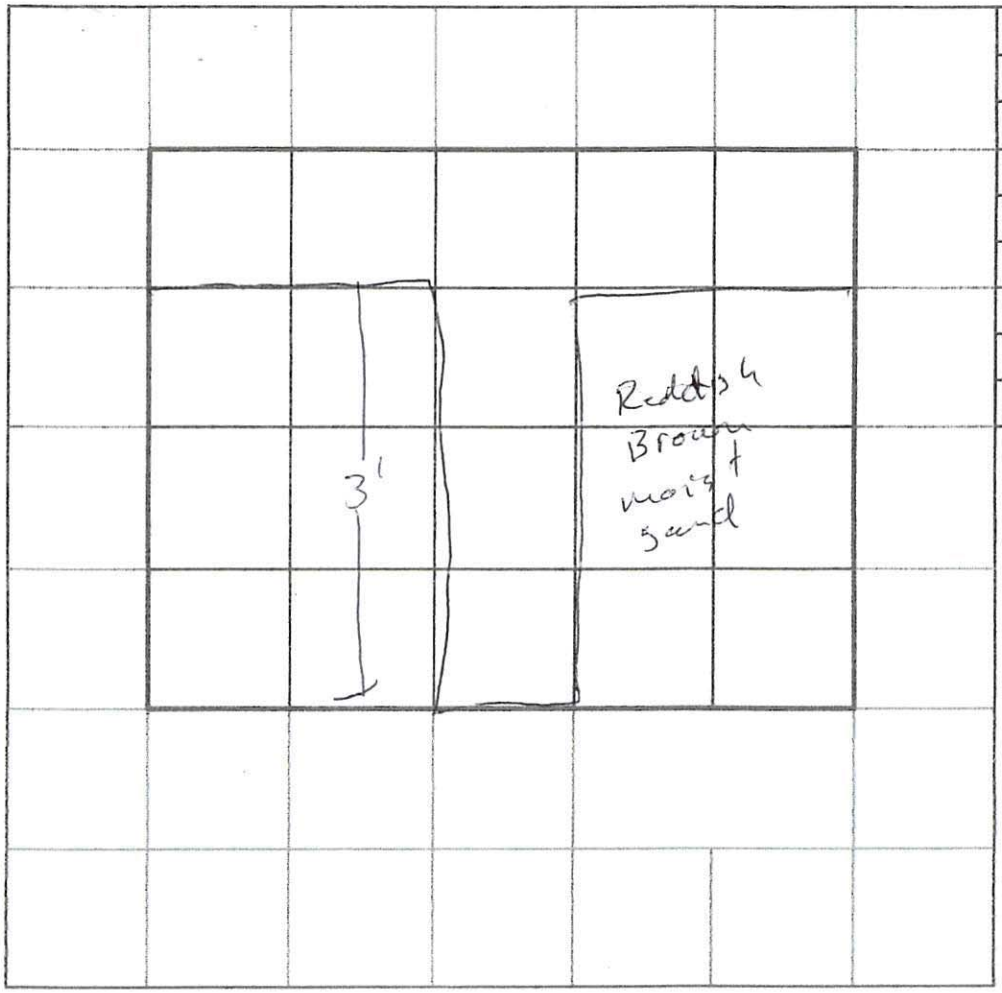
SAMPLING PLAN:

GPS 36° 31.2485

107° 55.8642

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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ENVIRONMENTAL SPECIALIST: E. Gracia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-41

CELL/ SECTION: Area 8 - 1

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

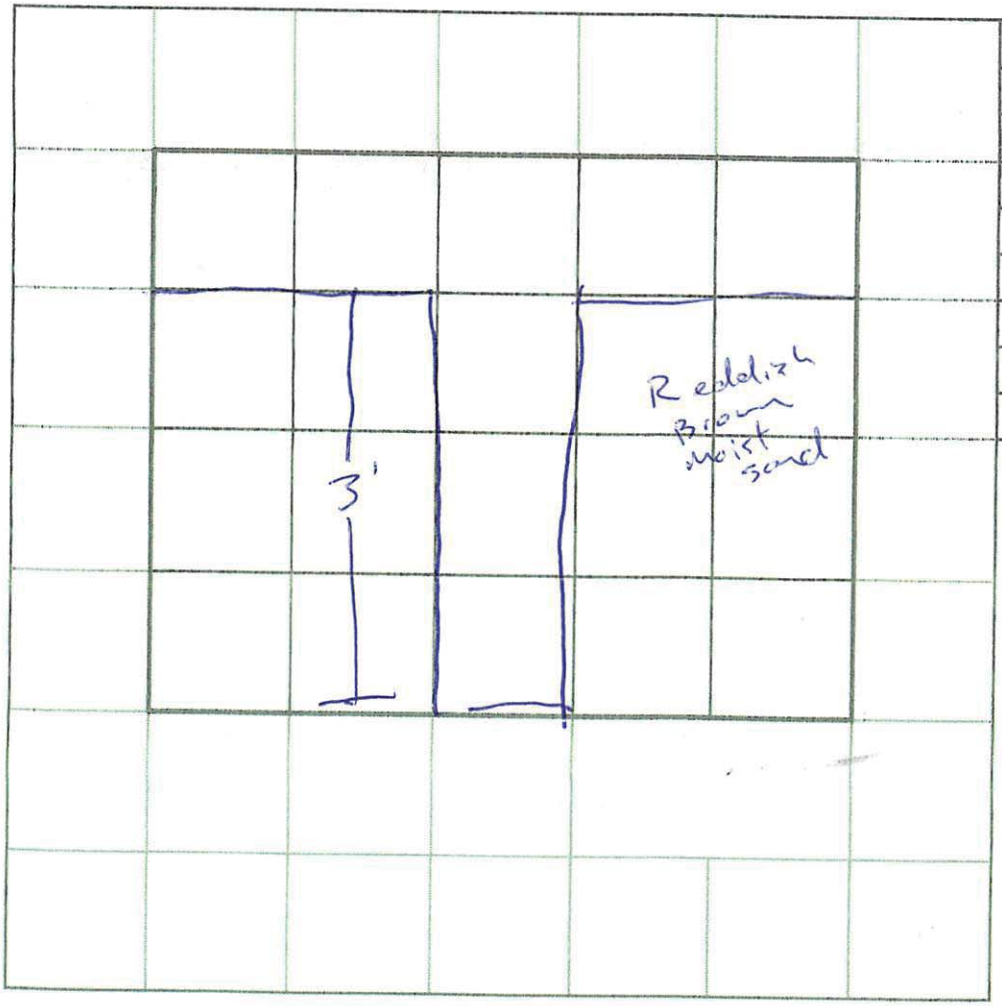
SAMPLING PLAN:

36.31.1393

107° 55.7247

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 8-2

ENVIRONMENTAL SPECIALIST: E. Garcia

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

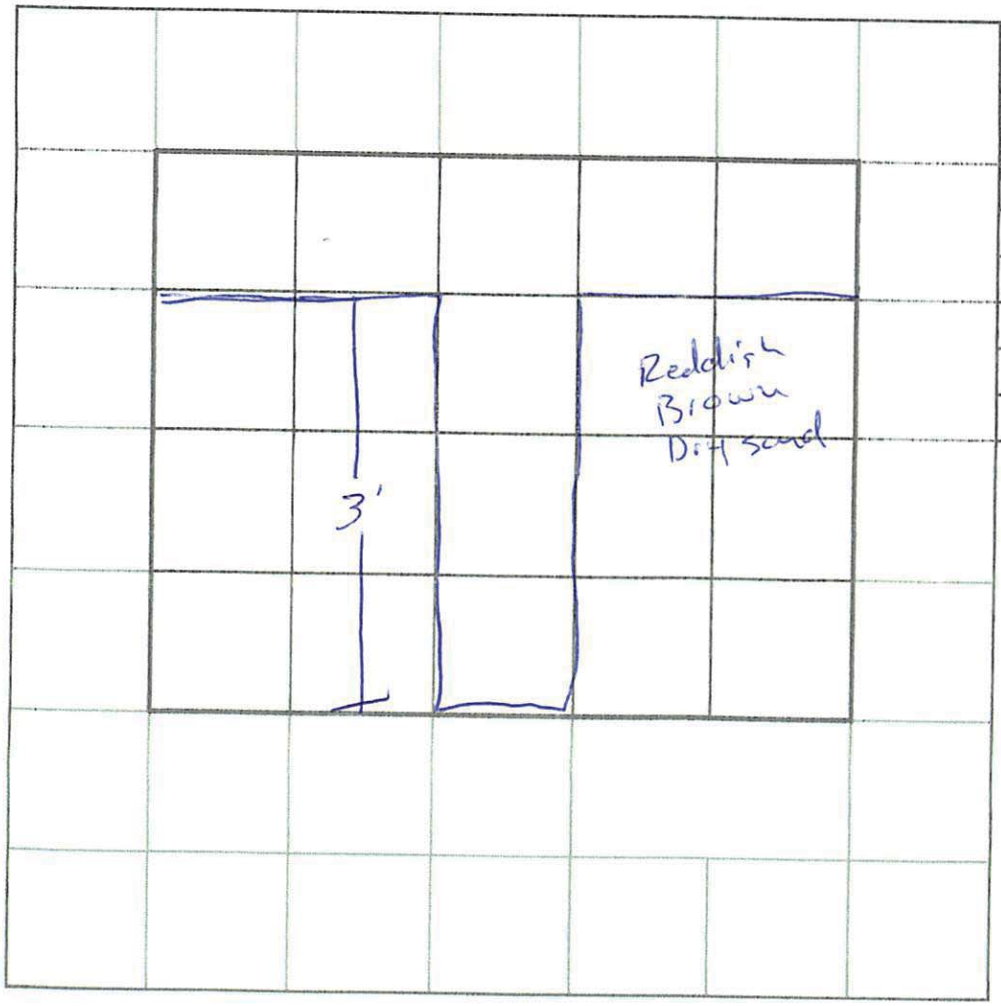
SAMPLING PLAN:

36° 31.1366

107° 55.7448

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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DATE STARTED: 3/25/16

DATE FINISHED: 3/25/16

ENVIRONMENTAL SPECIALIST: R. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area B-3

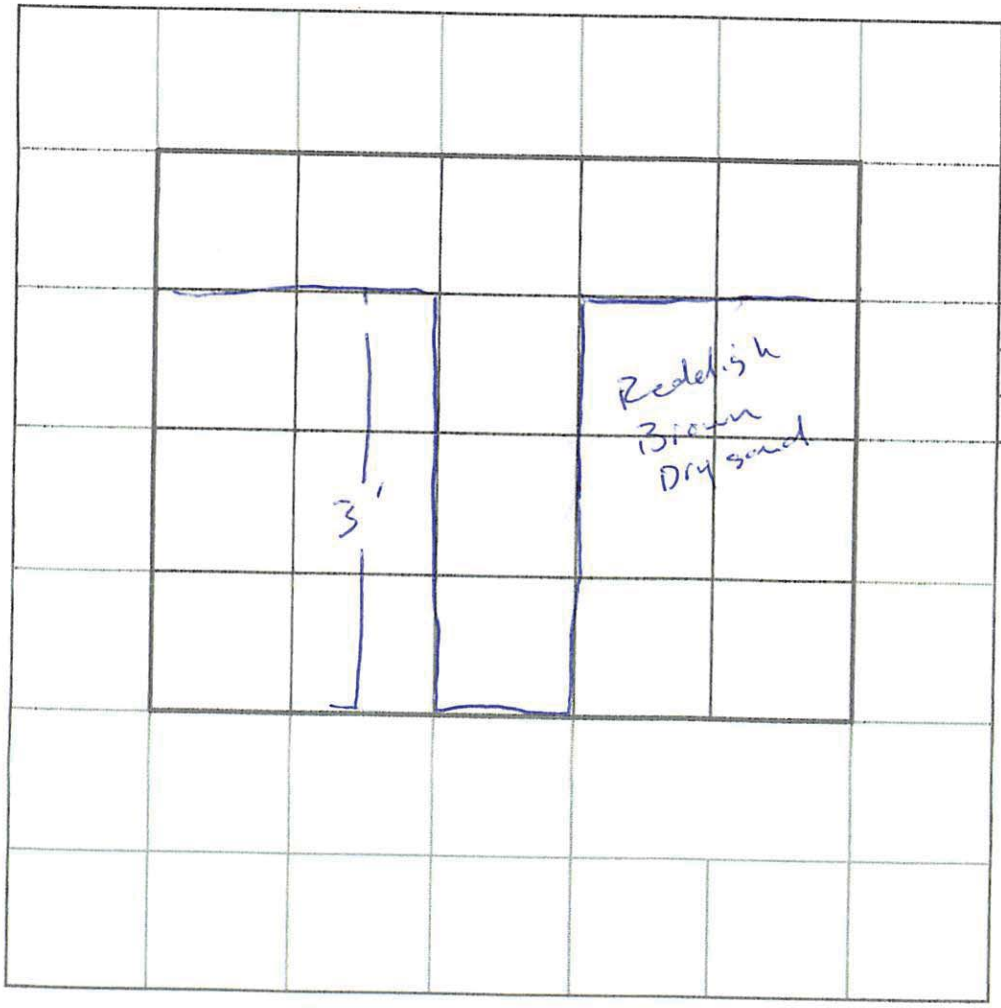
SOIL REMEDIATION	
	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

36° 31.1352

107° 55.7645

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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ENVIRONMENTAL SPECIALIST: E. Gerace

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 8-4

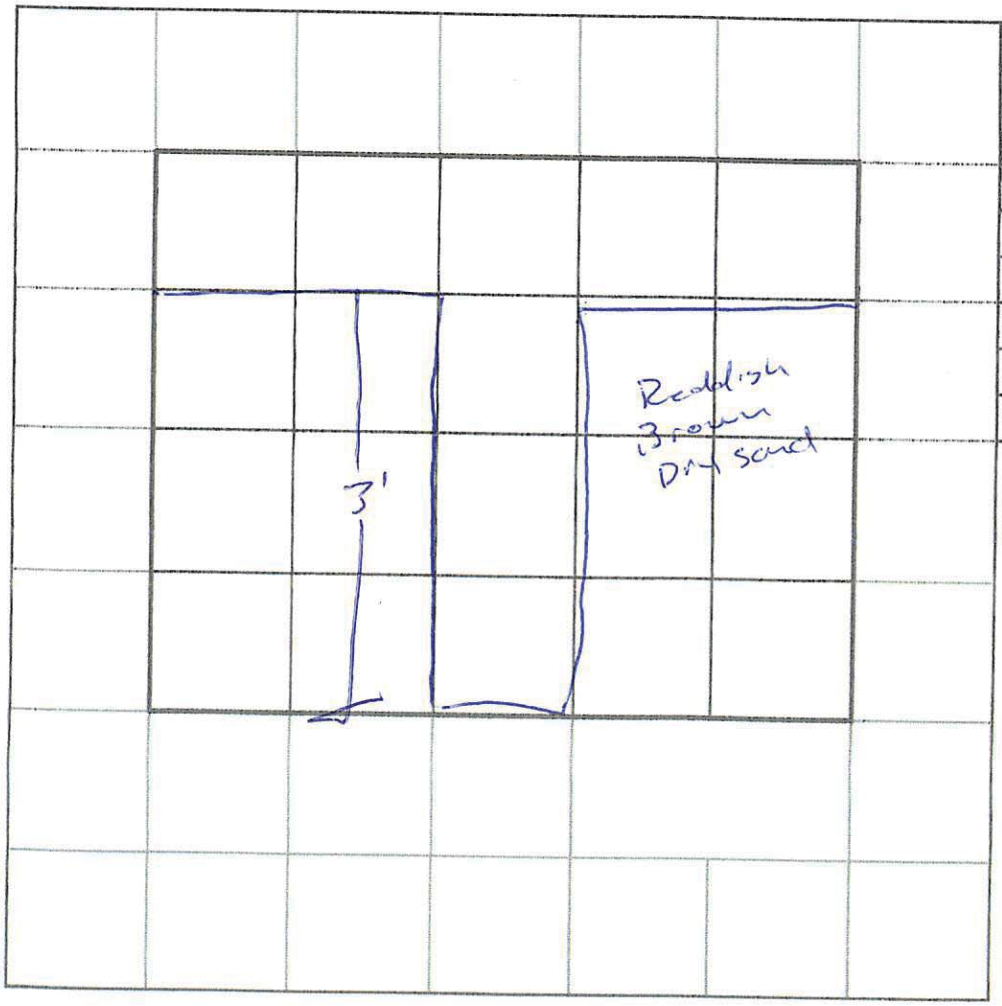
SOIL REMEDIATION	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

36° 31.1353

107° 55.7804

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

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DATE STARTED: 3/25/16

DATE FINISHED: 3/25/16

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 8-5

ENVIRONMENTAL SPECIALIST: R. Garcia

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

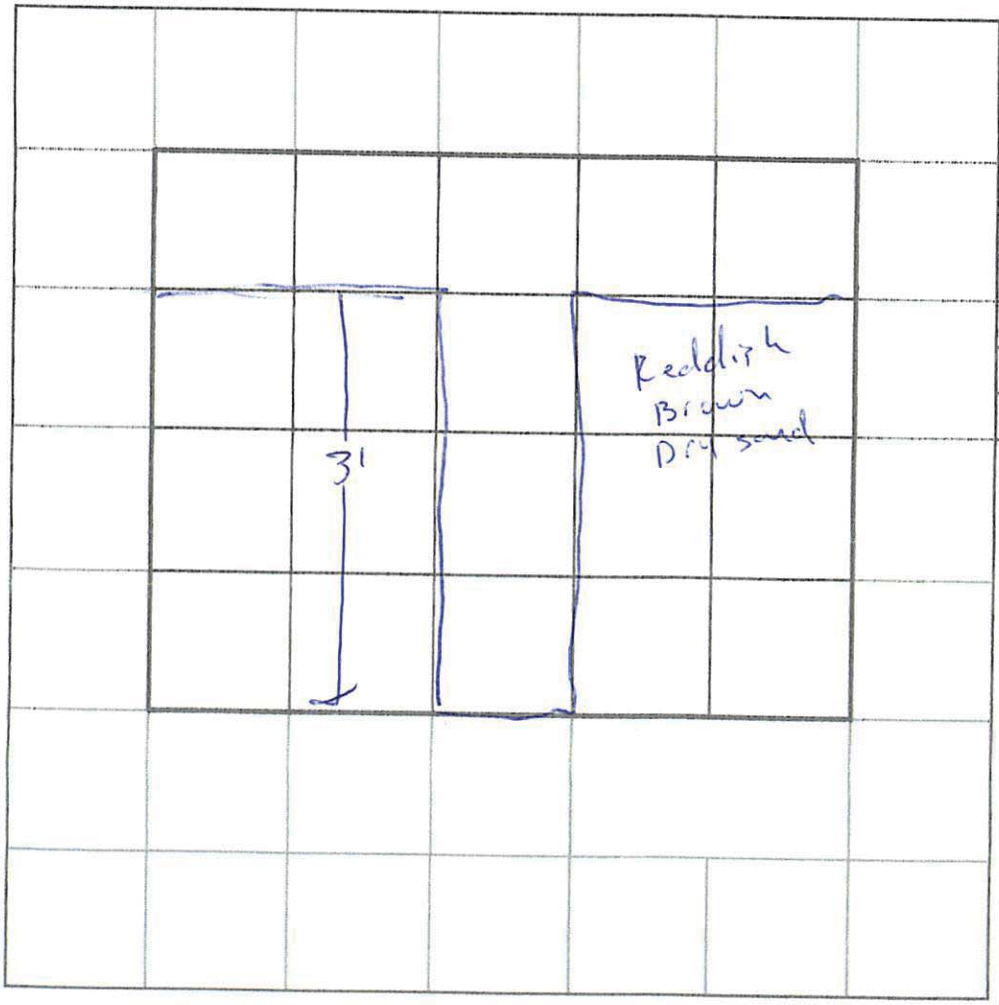
VISIBLE OBSERVATIONS:

SAMPLING PLAN:

36° 31.1344
107° 55.7979

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

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DATE FINISHED: 3/25/16

ENVIRONMENTAL SPECIALIST: J. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF - 4

CELL/ SECTION: Area 8-6

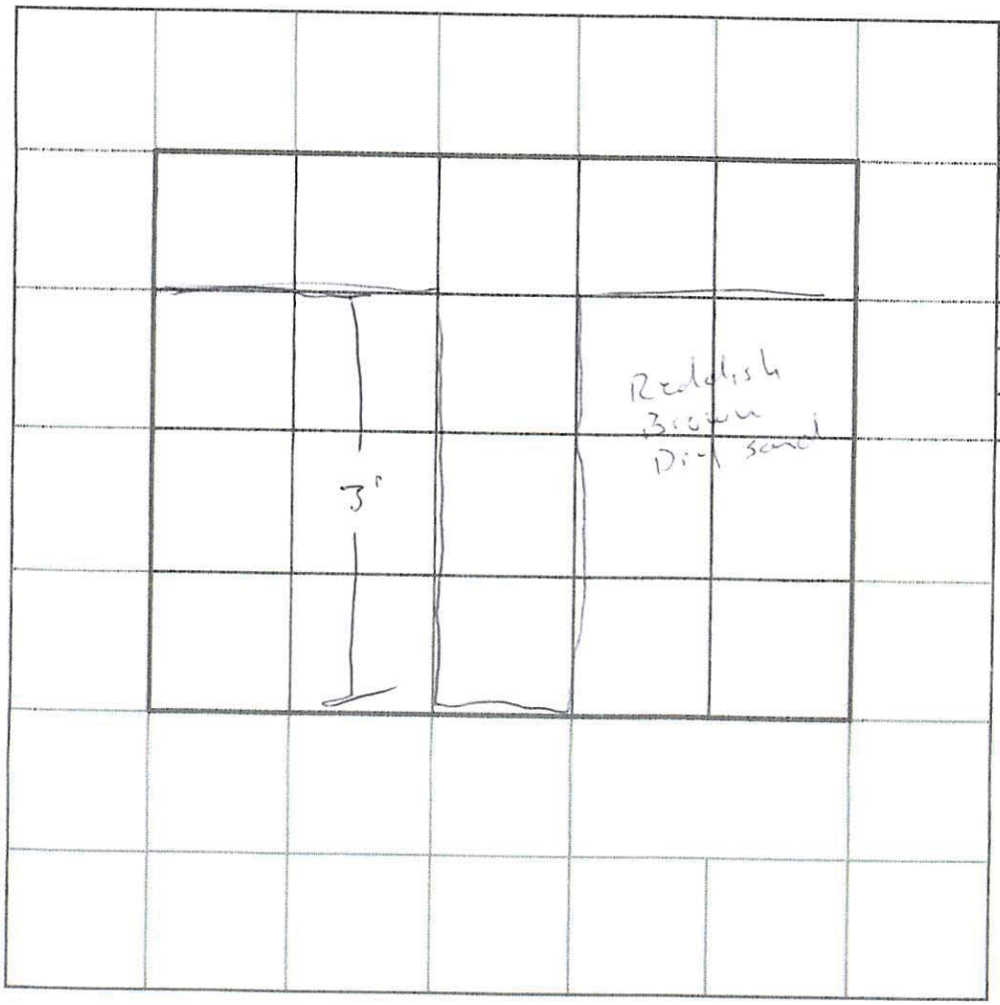
SOIL REMEDIATION	
	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

36° 31.1347

107° 55.817

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

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DATE FINISHED: 3/25/16

ENVIRONMENTAL SPECIALIST: I. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF. 4

CELL/ SECTION: Area 8-7

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

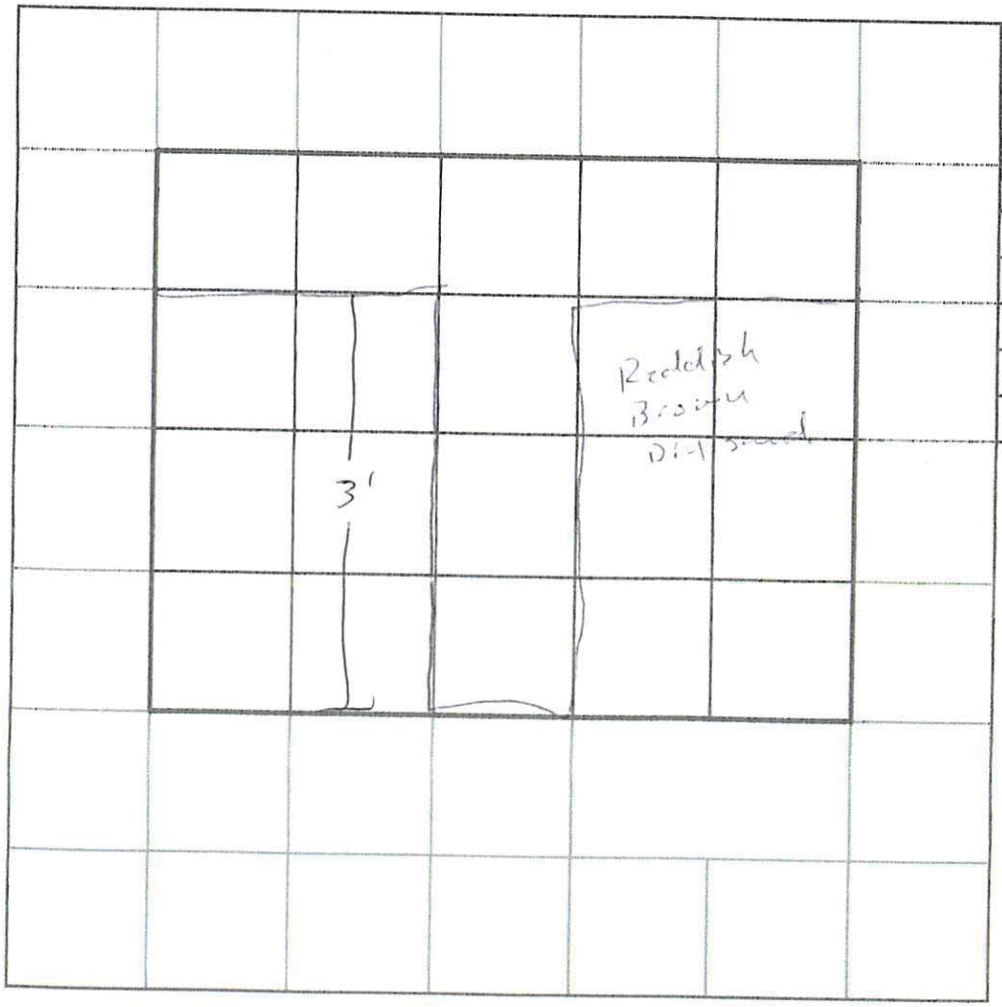
SAMPLING PLAN:

36° 31.1332

107° 55.8298

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

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DATE FINISHED: 3/25/16

ENVIRONMENTAL SPECIALIST: J. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 8-B

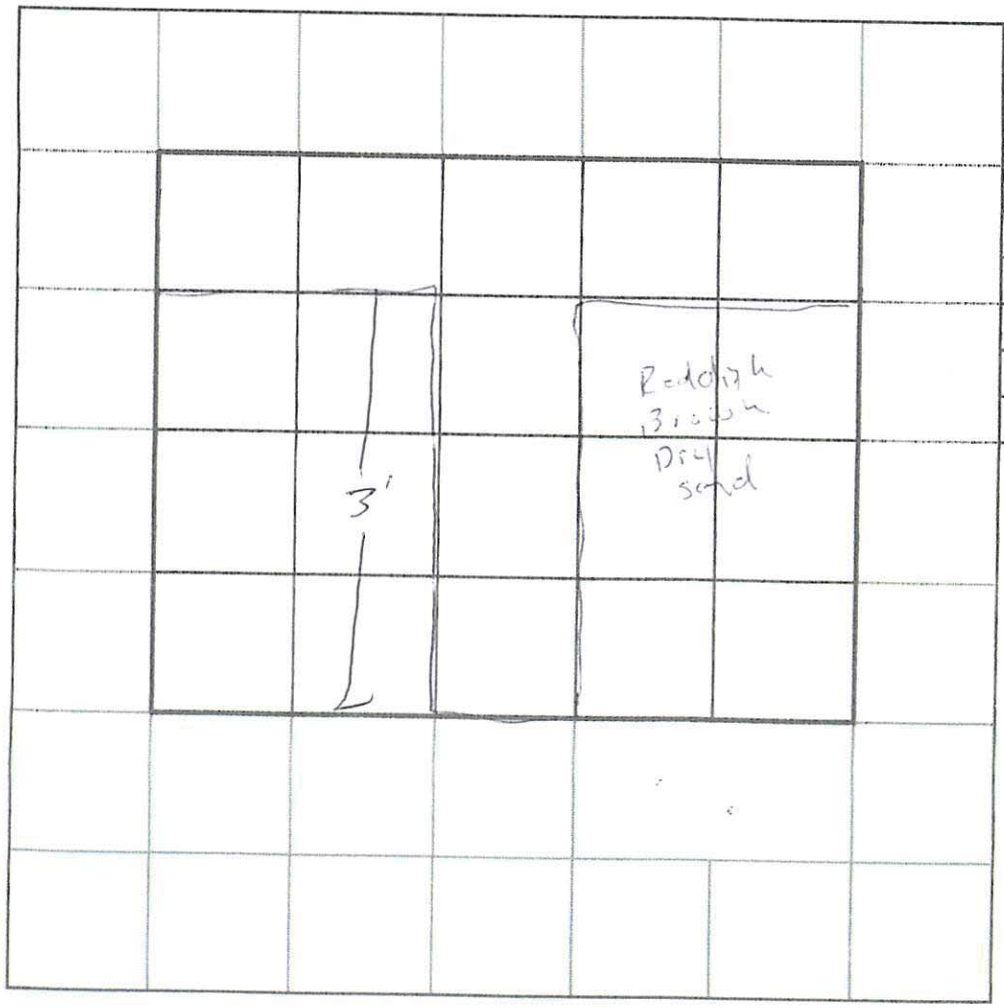
SOIL REMEDIATION	
	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

36° 31.1329

107° 55.8480

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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ENVIRONMENTAL SPECIALIST: B. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 8-9

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

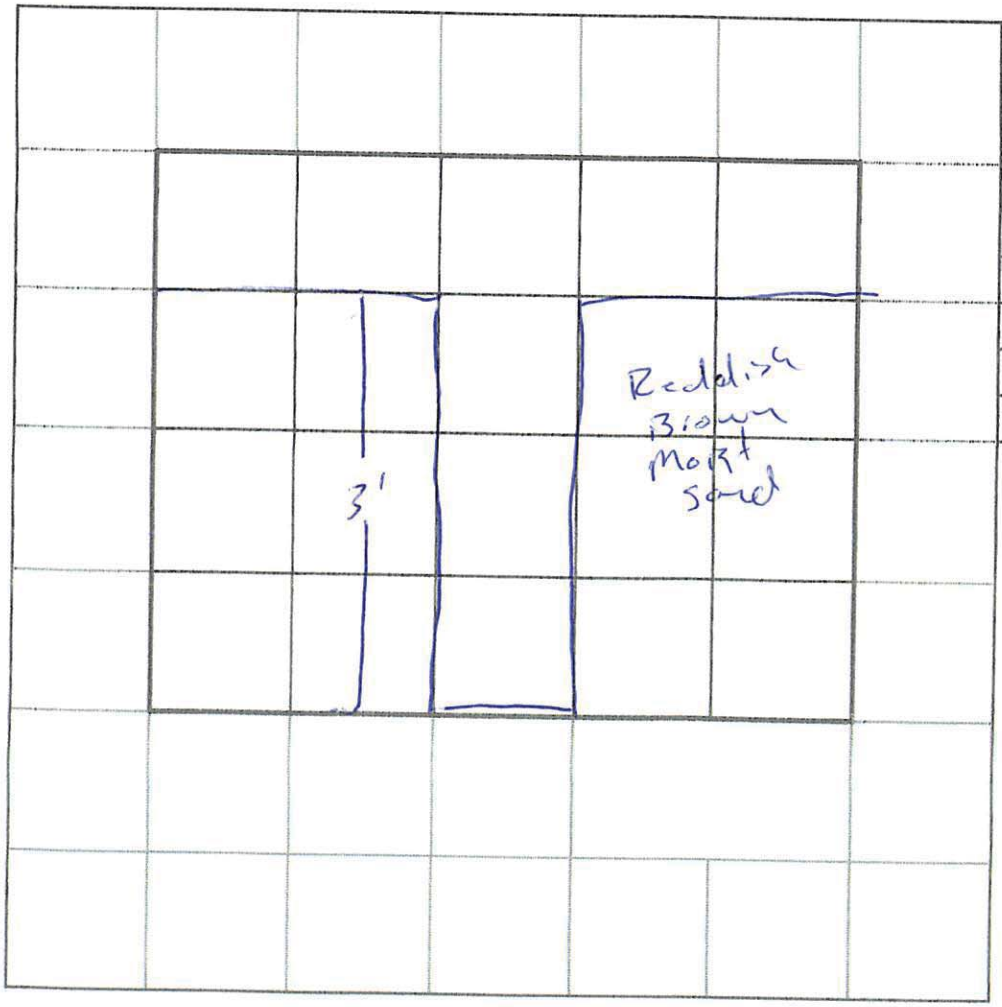
SAMPLING PLAN:

36° 31. 1071

107° 55. 7222

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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DATE FINISHED: 5/25/16

ENVIRONMENTAL SPECIALIST: J. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

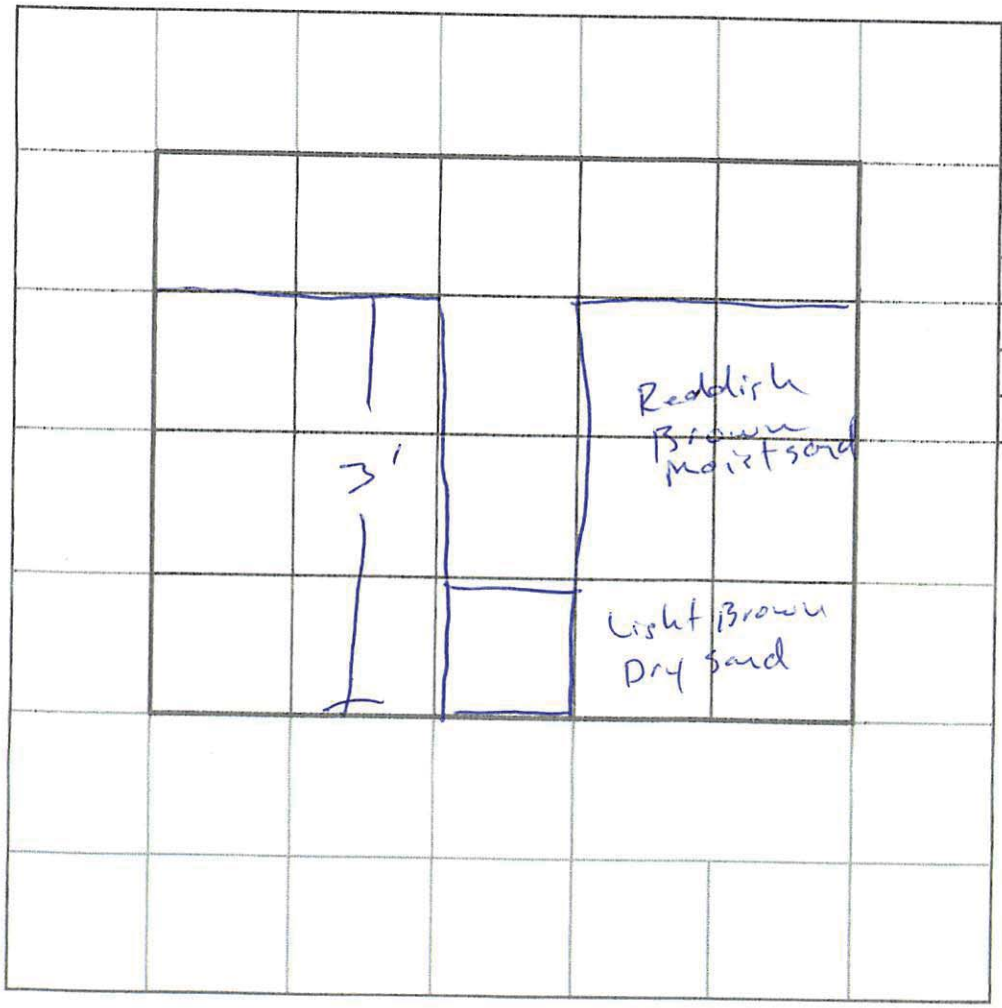
CELL/ SECTION: Area 8-10

SOIL REMEDIATION	
	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

36° 31.1064
107° 55.7400

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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DATE FINISHED: 3/25/16

ENVIRONMENTAL SPECIALIST: J. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

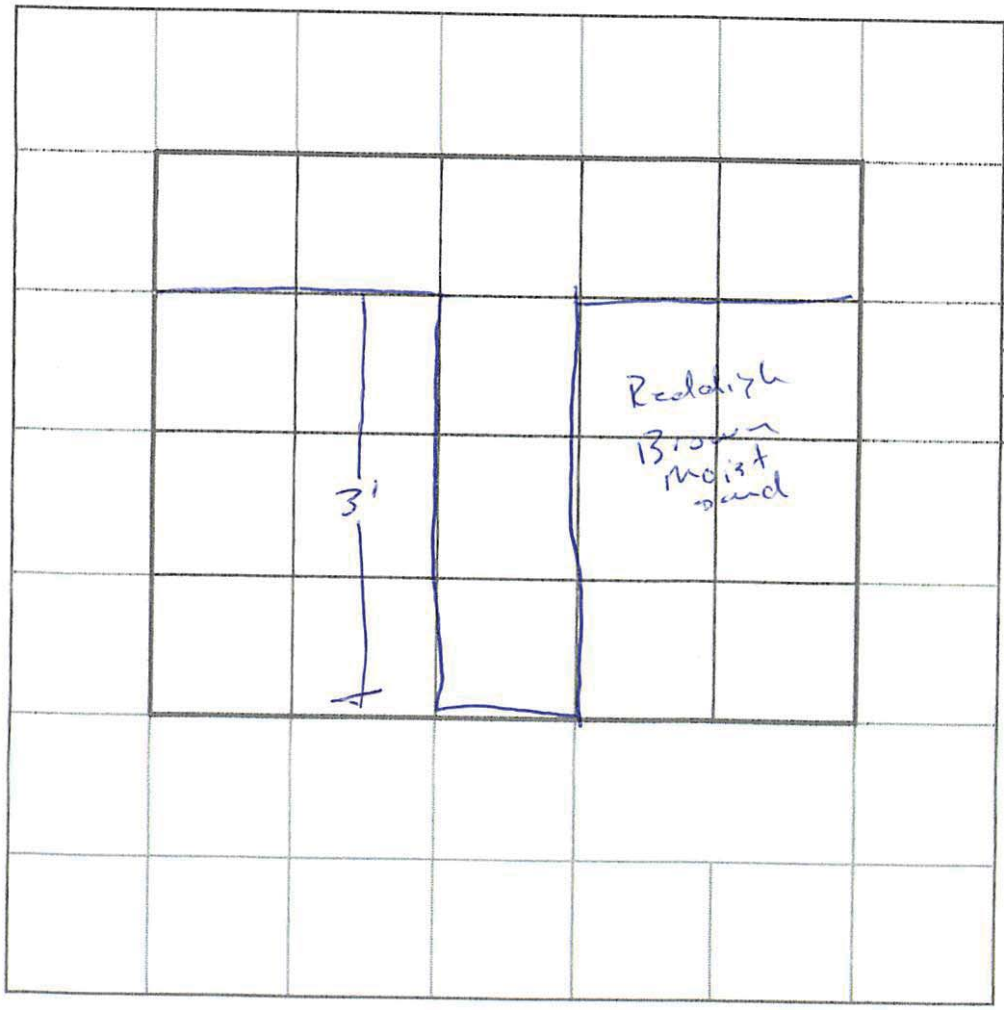
CELL/ SECTION: Area 8-11

SOIL REMEDIATION	
	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

36° 31.1054
107° 55.7588

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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ENVIRONMENTAL SPECIALIST: J. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

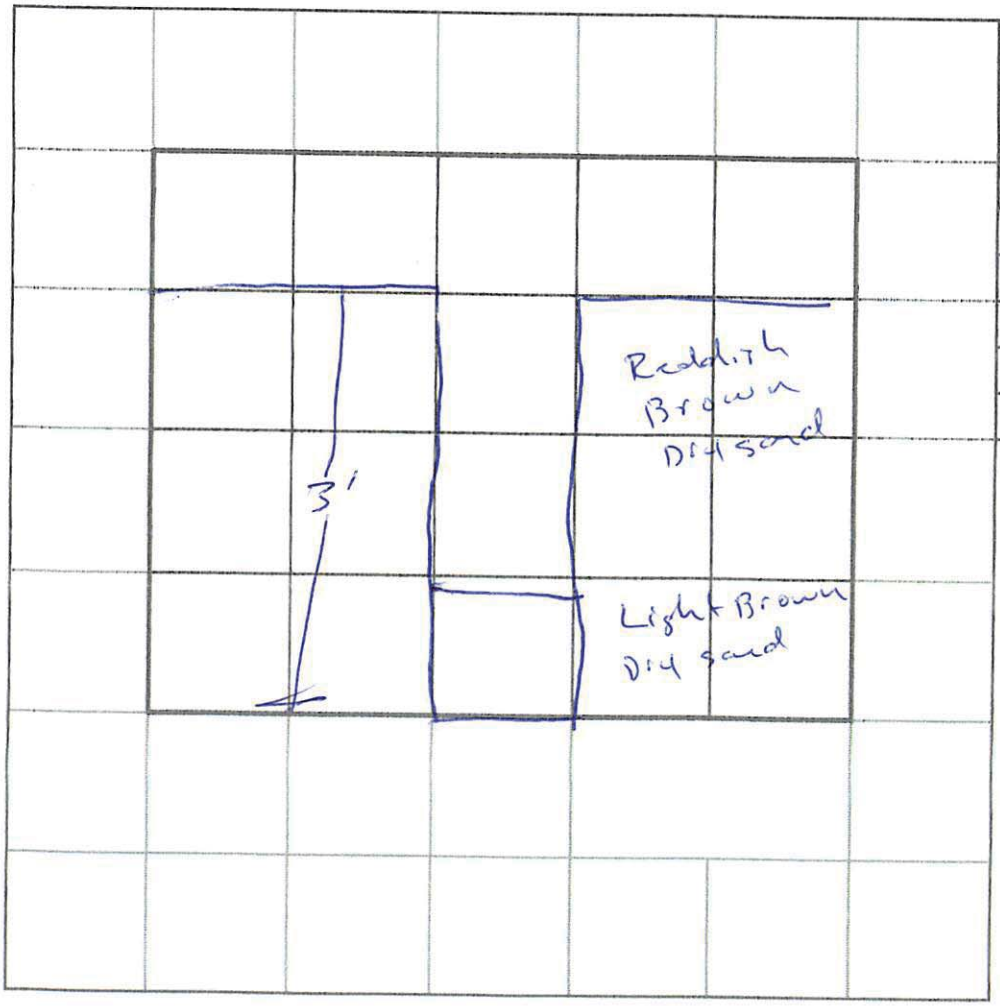
CELL/ SECTION: Area 9-12

SOIL REMEDIATION	
	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

36° 31.1036
107° 55.7770

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

envirotech

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5796 U.S. Hwy 64, Farmington, NM 87401

Project No: 1st Quarter Treatment Zone Sampling

COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

PAGE NO: 1 OF 1

DATE STARTED: 3/25/16

DATE FINISHED: 3/25/16

ENVIRONMENTAL SPECIALIST: R. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 8-13

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

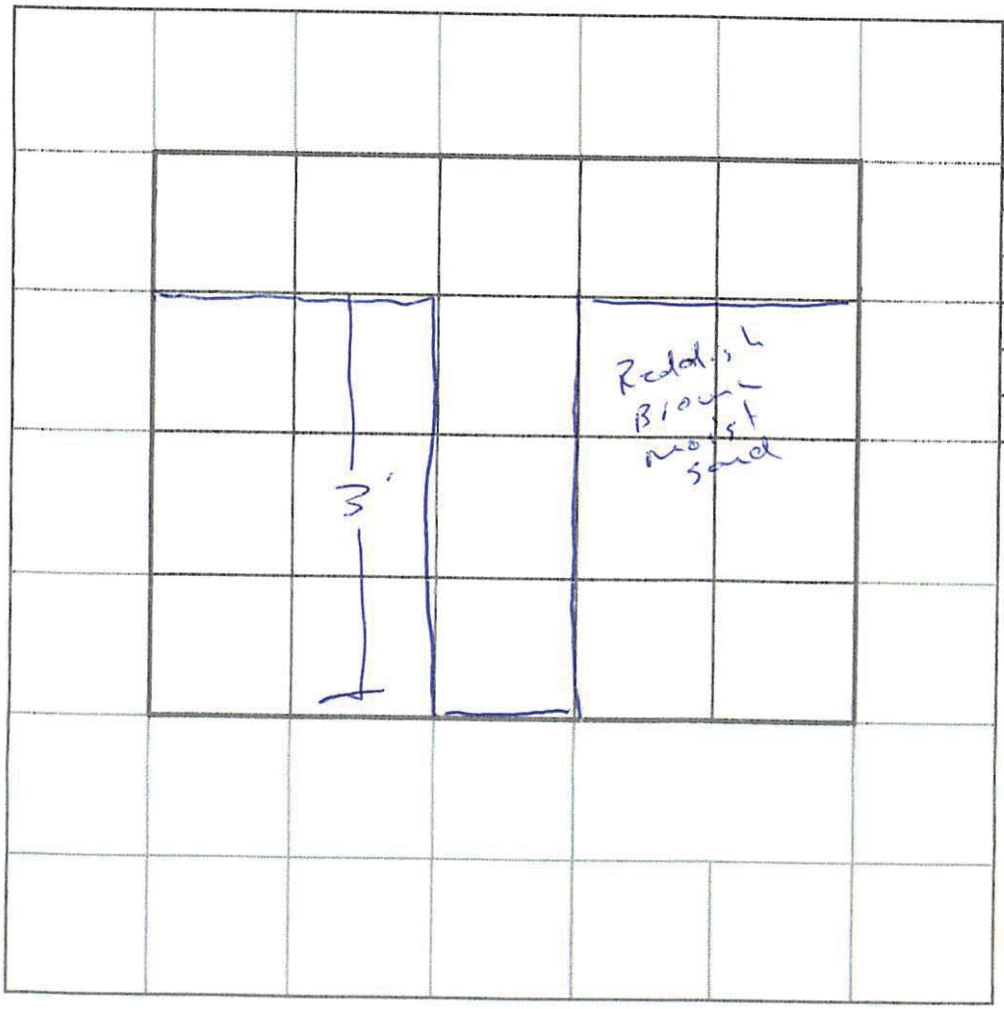
SAMPLING PLAN:

36° 31.1026

107° 55.795E

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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5796 U.S. Hwy 64, Farmington, NM 87401

Project No: 1st Quarter Treatment Zone Sampling

COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

PAGE NO: 1 OF 1

DATE STARTED: 3/25/16

DATE FINISHED: 3/25/16

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 8-14

ENVIRONMENTAL SPECIALIST: R. Garcia

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

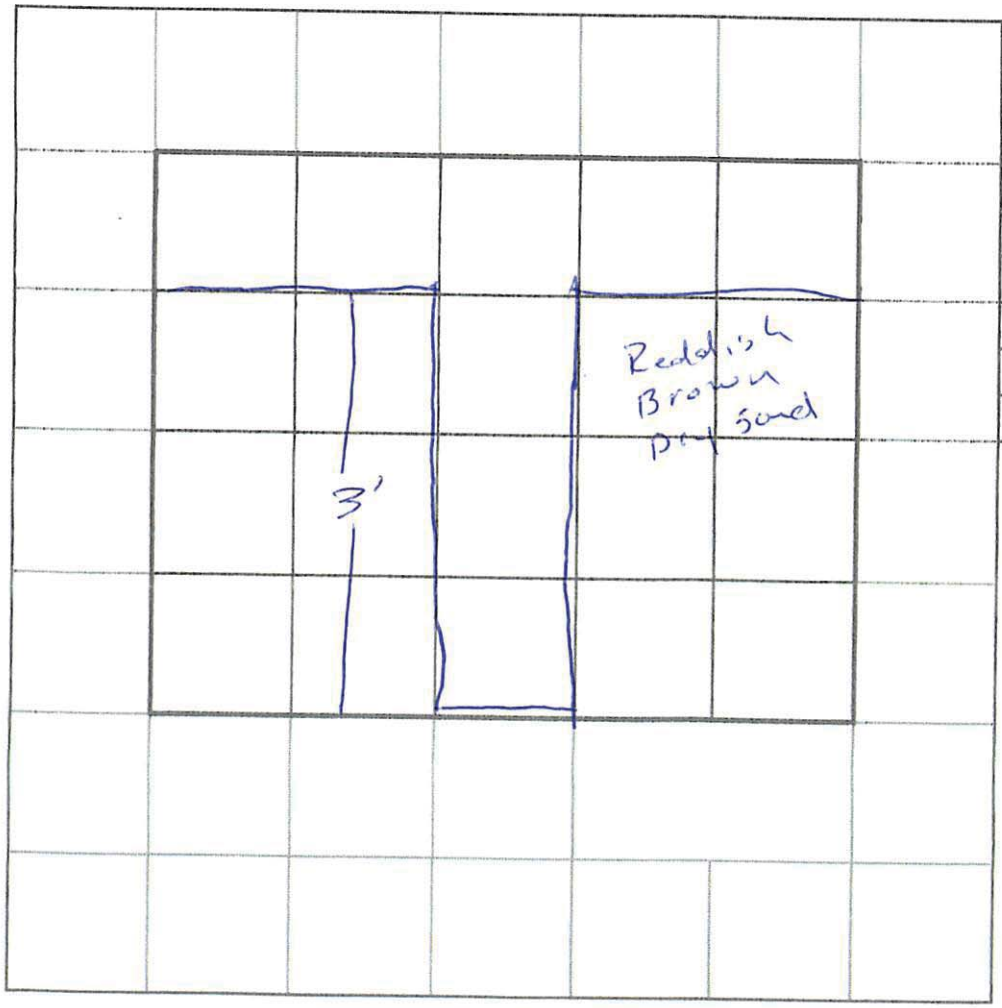
SAMPLING PLAN:

36° 31.1014

107° 55.8144

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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Project No: 1st Quarter Treatment Zone Sampling

COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

PAGE NO: 1 OF 1

DATE STARTED: 3/25/16

DATE FINISHED: 3/25/16

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 8-15

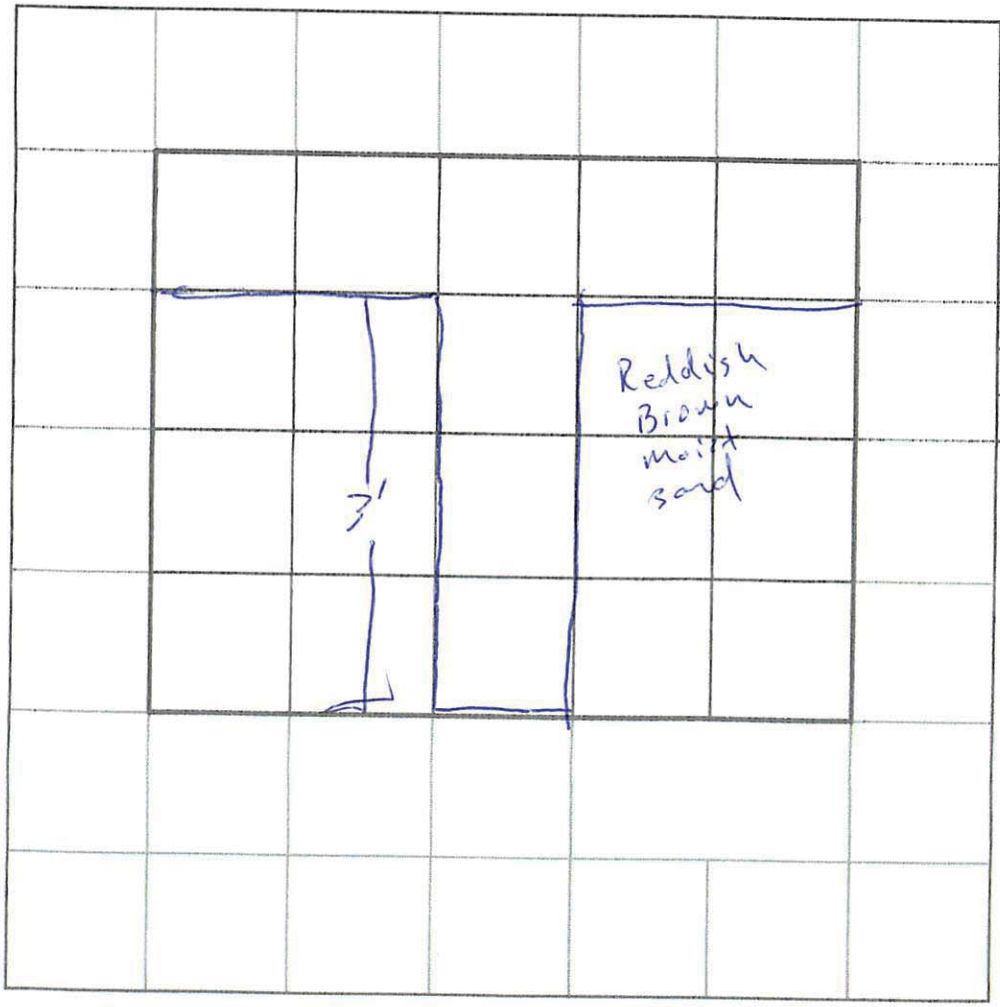
ENVIRONMENTAL SPECIALIST: A. Garcia

SOIL REMEDIATION	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

36° 31.1020
107° 55.8330

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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Project No: 1st Quarter Treatment Zone Sampling

COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

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DATE STARTED: 3/25/16

DATE FINISHED: 3/25/16

ENVIRONMENTAL SPECIALIST: J. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 8-16

SOIL REMEDIATION	
	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

36° 31.1030

107° 55.8521

SAMPLE DIAGRAM

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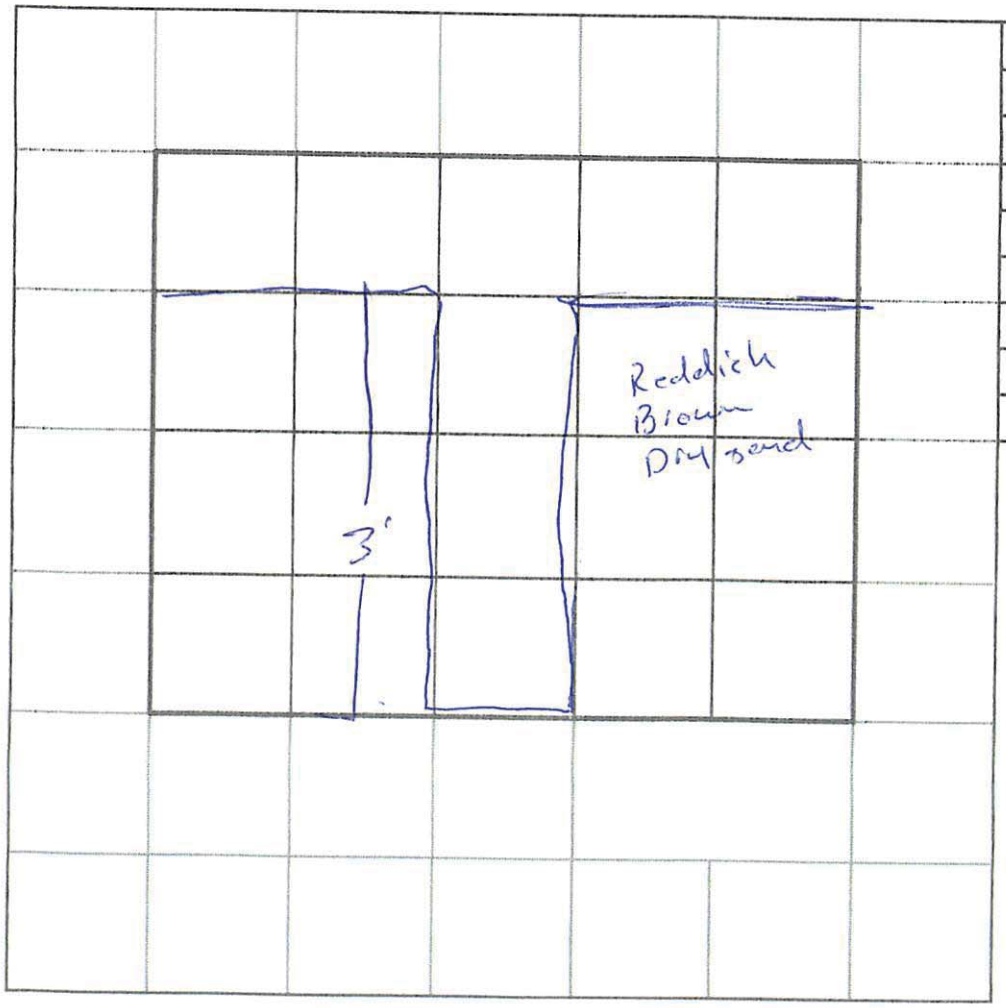

LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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Project No: 1st Quarter Treatment Zone Sampling

COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

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DATE STARTED: 3/25/16

DATE FINISHED: 3/25/16

ENVIRONMENTAL SPECIALIST: R. Haricia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF. 4

CELL/ SECTION: Area 9-1

SOIL REMEDIATION	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

°36° 51.0720
107° 55.7245

SAMPLE DIAGRAM

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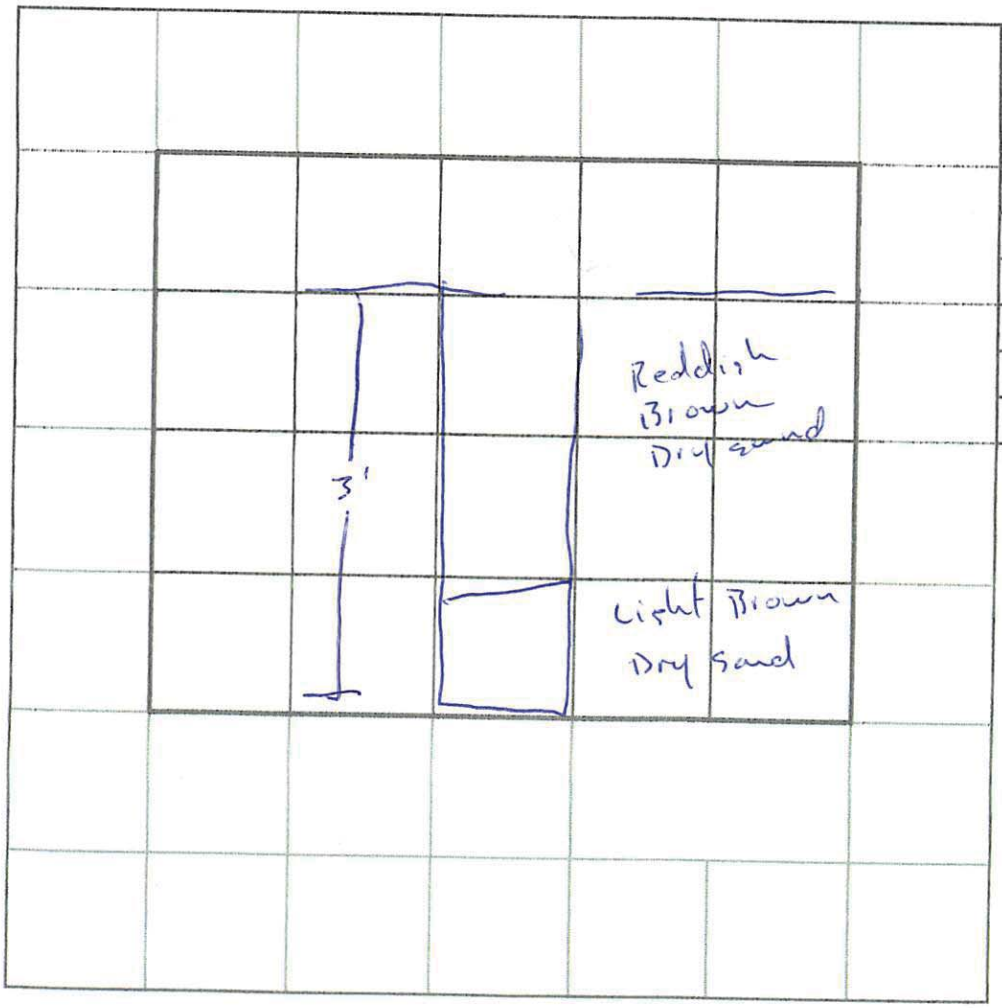

LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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5796 U.S. Hwy 64, Farmington, NM 87401

Project No: 1st Quarter Treatment Zone Sampling

COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

PAGE NO: 1 OF 1

DATE STARTED: 3/25/16

DATE FINISHED: 3/25/16

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF. 4

CELL/ SECTION: Area 4-2

ENVIRONMENTAL SPECIALIST: Z Francisco

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

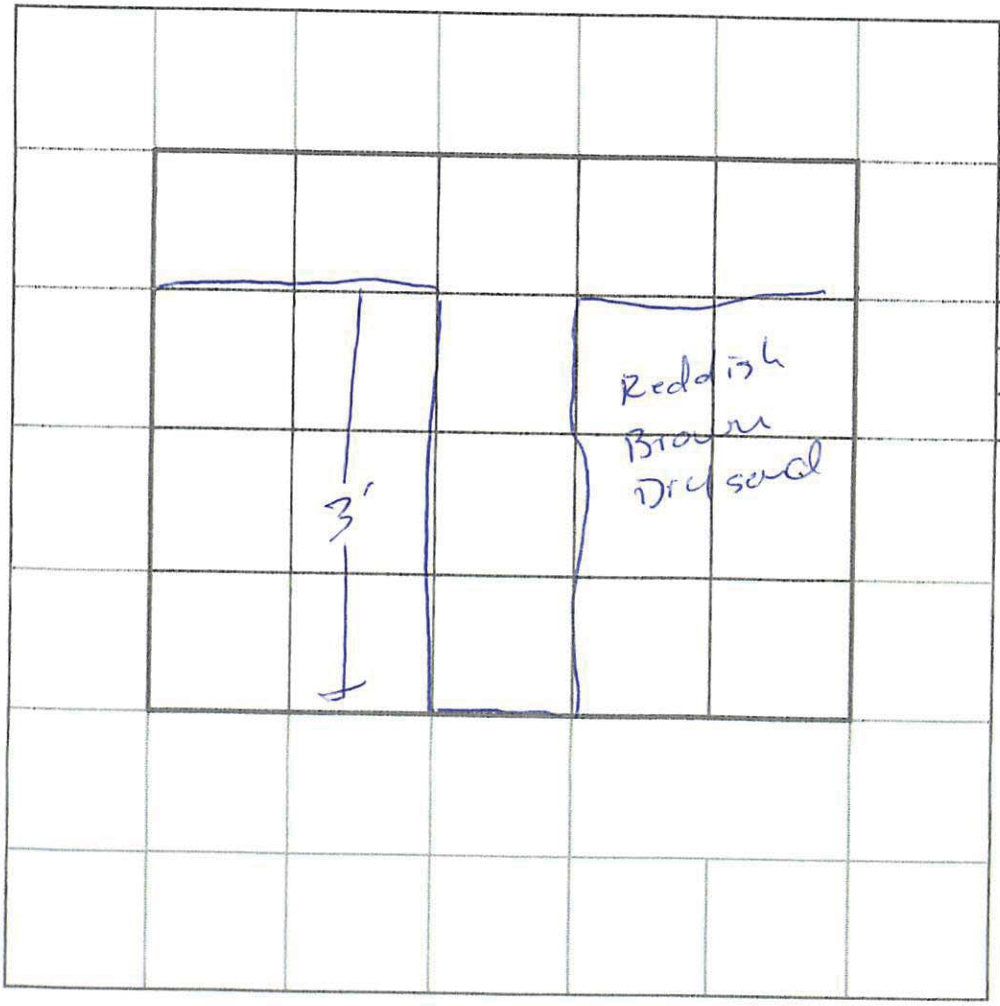
VISIBLE OBSERVATIONS:

SAMPLING PLAN:

36° 31.0704
107° 55.7437

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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Project No: 1st Quarter Treatment Zone Sampling

COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

PAGE NO: 1 OF 1

DATE STARTED: 3/25/16

DATE FINISHED: 3/25/16

ENVIRONMENTAL SPECIALIST: B. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 9-3

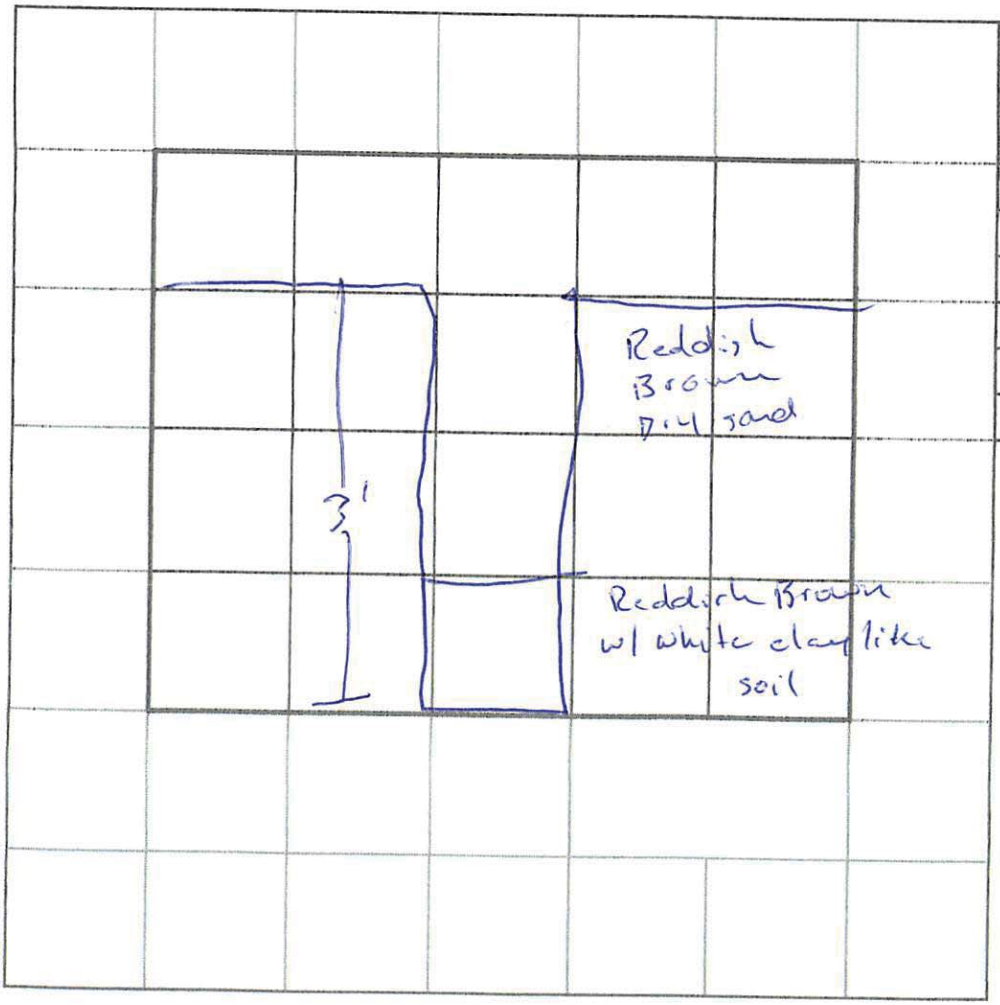
SOIL REMEDIATION	
	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

36° 31.6673

107° 55.7621

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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Project No: 1st Quarter Treatment Zone Sampling

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FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

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DATE STARTED: 3/25/16

DATE FINISHED: 3/25/16

ENVIRONMENTAL SPECIALIST: J. Harcrow

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 9-4

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

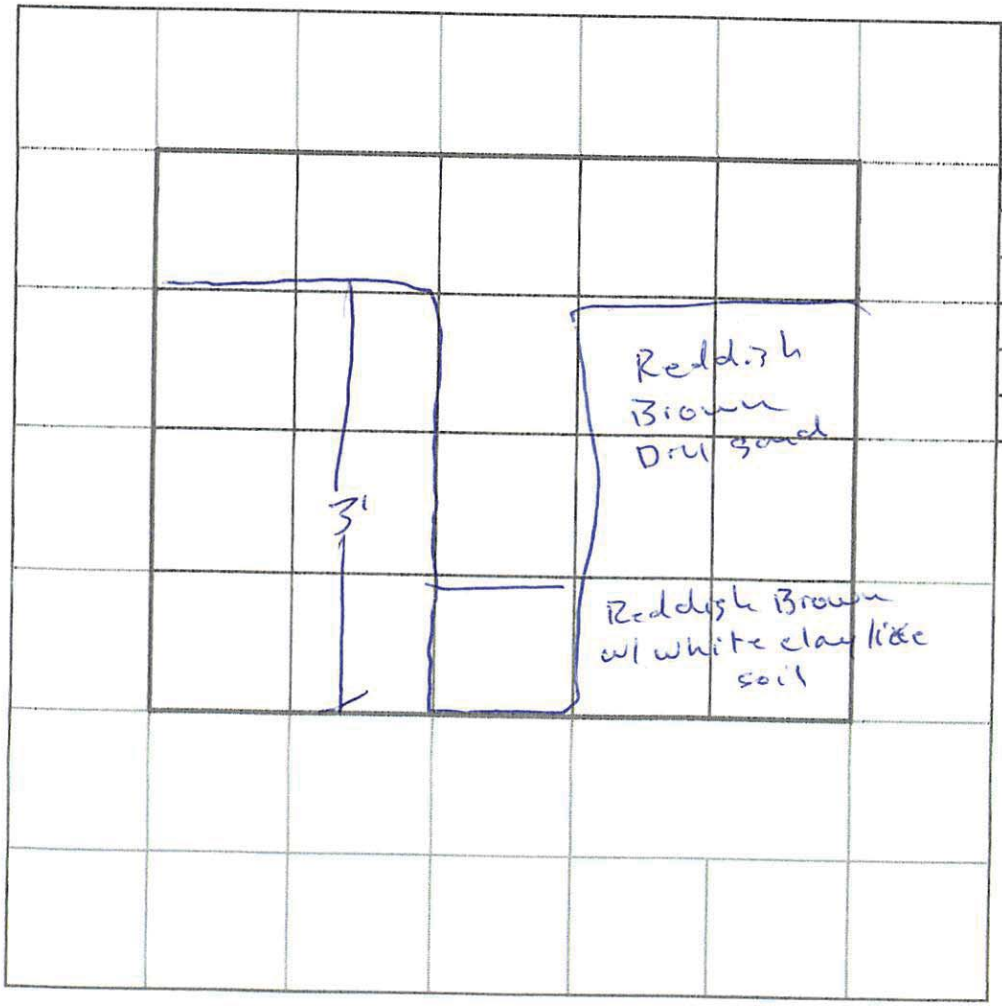
SAMPLING PLAN:

36° 31.066'

107° 55.779'

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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Project No: 1st Quarter Treatment Zone Sampling

COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

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DATE STARTED: 3/25/16

DATE FINISHED: 3/25/16

ENVIRONMENTAL SPECIALIST: J. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 9-5

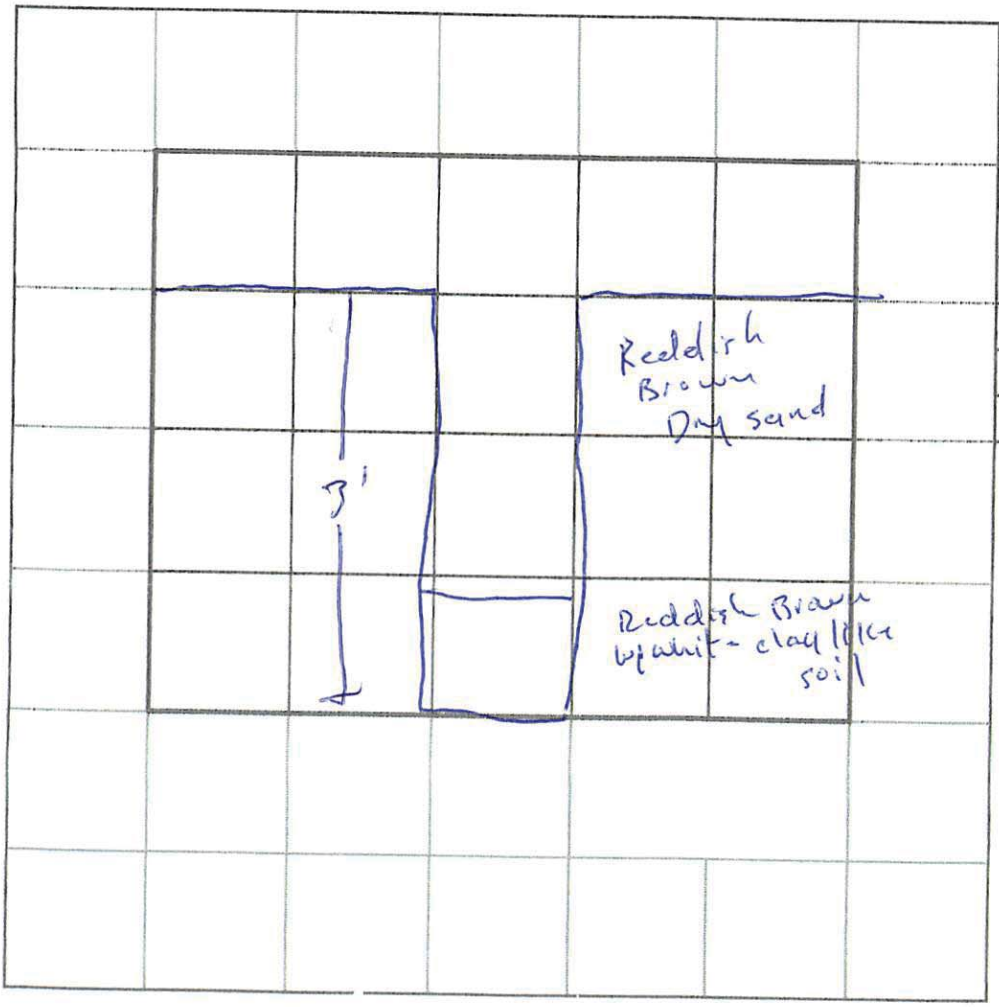
SOIL REMEDIATION	
	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

36° 31.0647

107 55.7968

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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Project No: 1st Quarter Treatment Zone Sampling

COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

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DATE STARTED: 3/25/16

DATE FINISHED: 3/25/16

ENVIRONMENTAL SPECIALIST: J. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 9-6

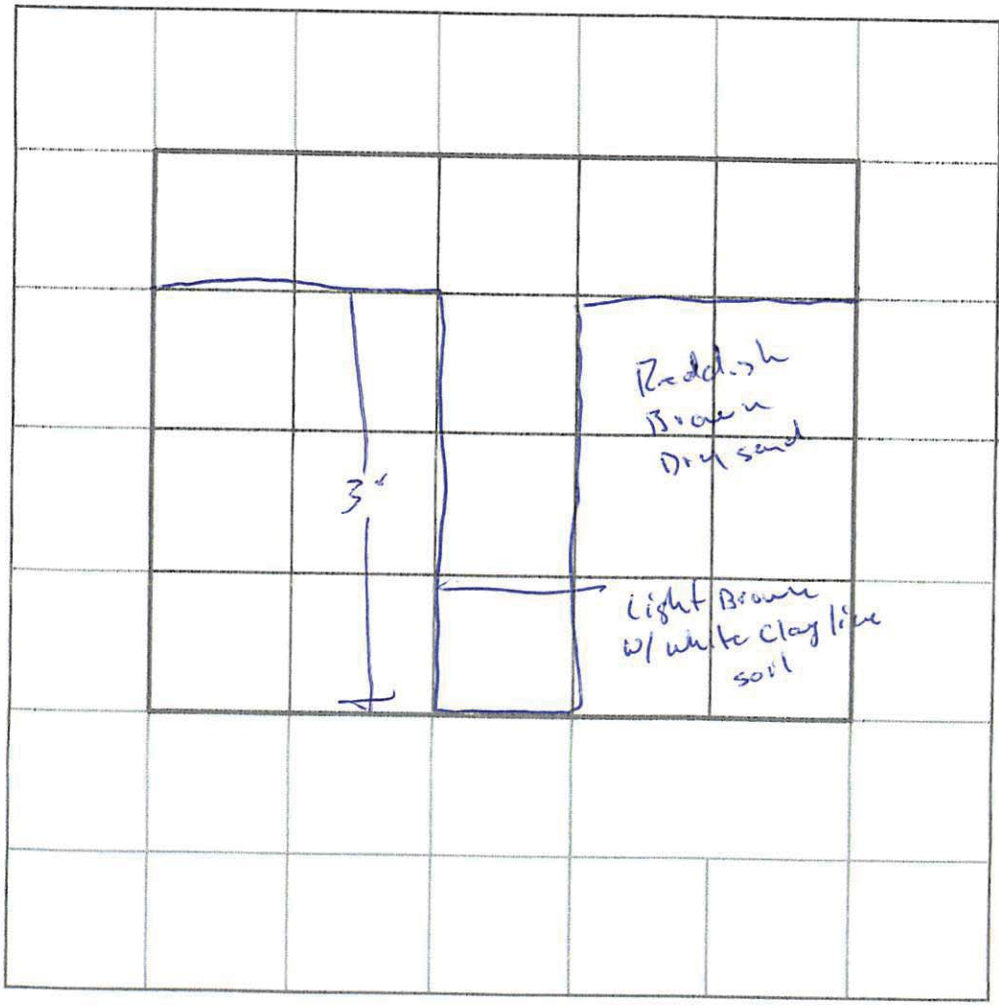
SOIL REMEDIATION	
	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

36° 31.0649

107° 55.8150

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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Project No: 1st Quarter Treatment Zone Sampling

COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

PAGE NO: 1 OF 1

DATE STARTED: 3/25/16

DATE FINISHED: 3/25/16

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 9-7

ENVIRONMENTAL SPECIALIST: T. Garcia

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

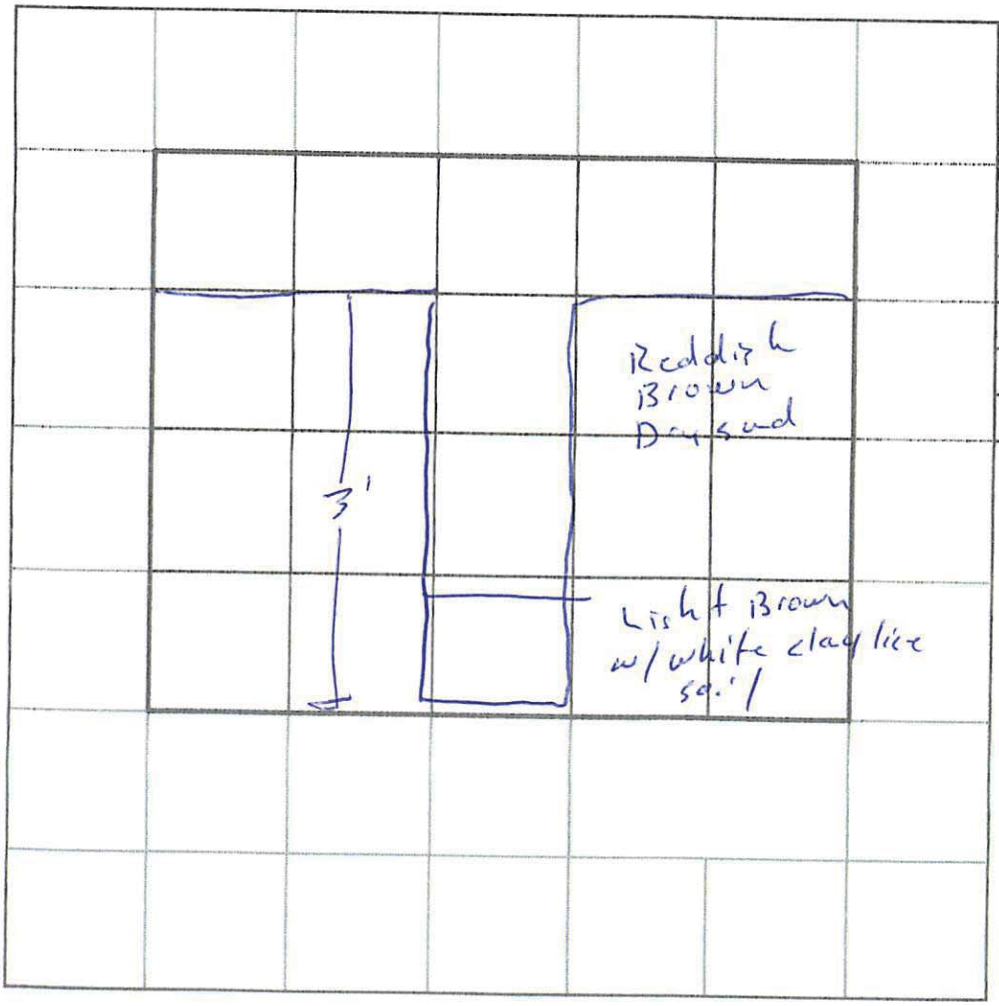
VISIBLE OBSERVATIONS:

SAMPLING PLAN:

36° 31.0638
107° 55.8317

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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Project No: 1st Quarter Treatment Zone Sampling

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FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

PAGE NO: 1 OF 1

DATE STARTED: 3/25/16

DATE FINISHED: 3/25/16

ENVIRONMENTAL SPECIALIST: R. Haverta

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: CF-4

CELL/ SECTION: Area 9-B

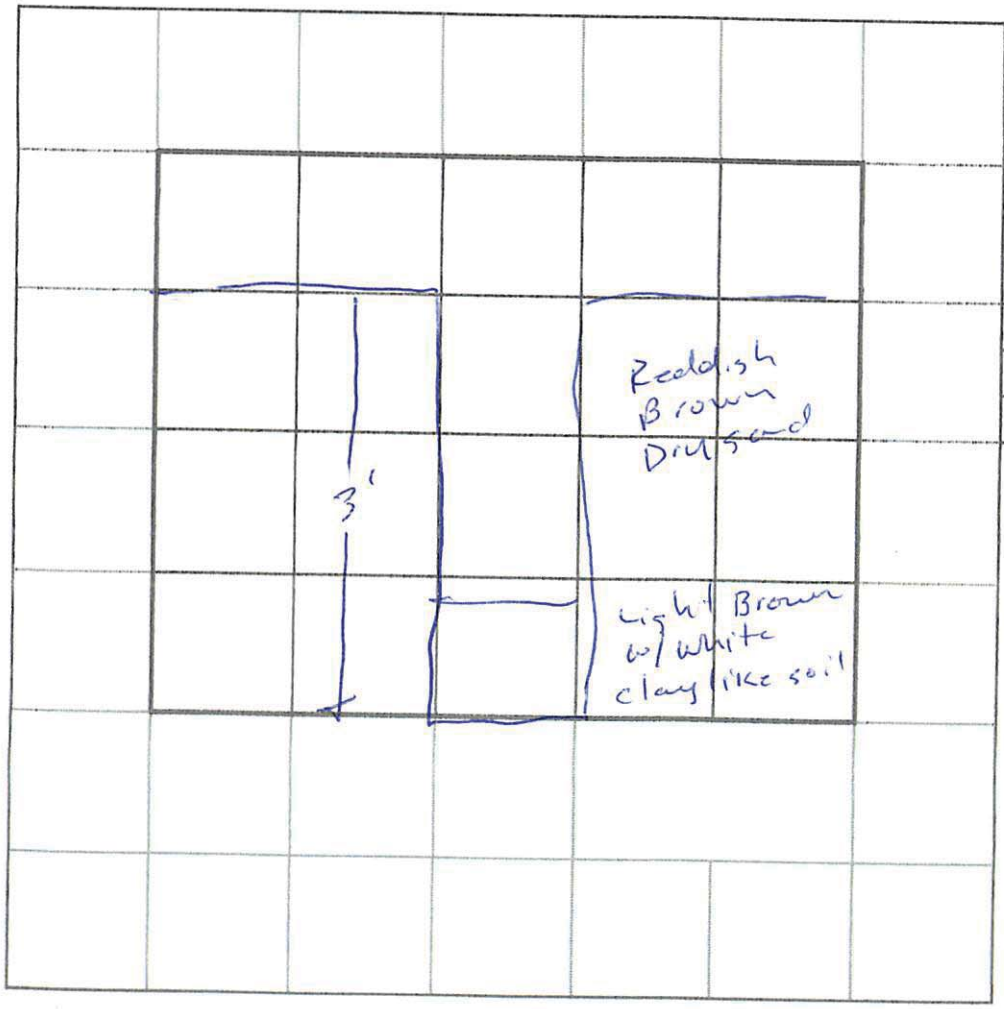
SOIL REMEDIATION	
	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

36° 31.0632

107° 55.8513

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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5796 U.S. Hwy 64, Farmington, NM 87401

Project No: 1st Quarter Treatment Zone Sampling

COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

PAGE NO: 1 OF 1

DATE STARTED: 3/25/16

DATE FINISHED: 3/25/16

ENVIRONMENTAL SPECIALIST: A. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 9-9

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

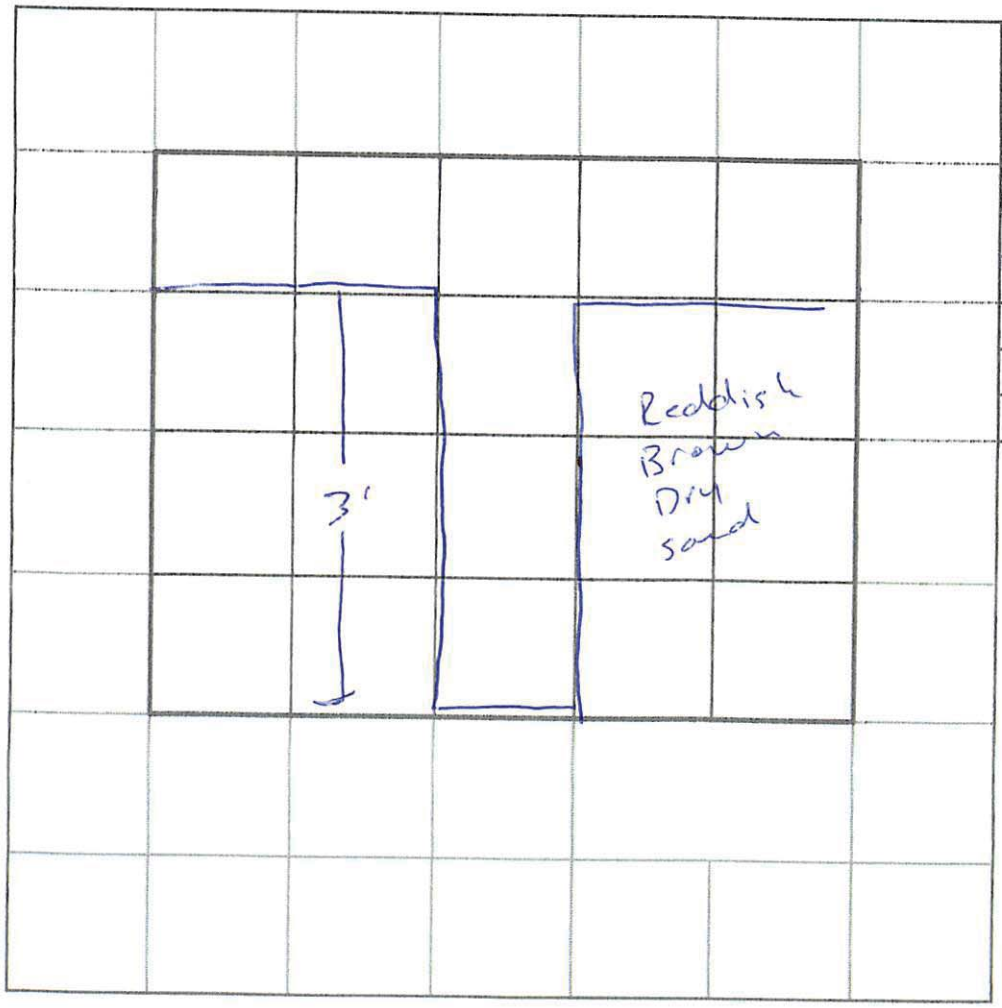
SAMPLING PLAN:

36° 31.0392

107° 55.7221

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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(505) 632-0615 (800) 362-1879

5796 U.S. Hwy 64, Farmington, NM 87401

Project No: 1st Quarter Treatment Zone Sampling

COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

PAGE NO: 1 OF 1

DATE STARTED: 3/25/16

DATE FINISHED: 3/25/16

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 9-10

ENVIRONMENTAL SPECIALIST: J. Garcia

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

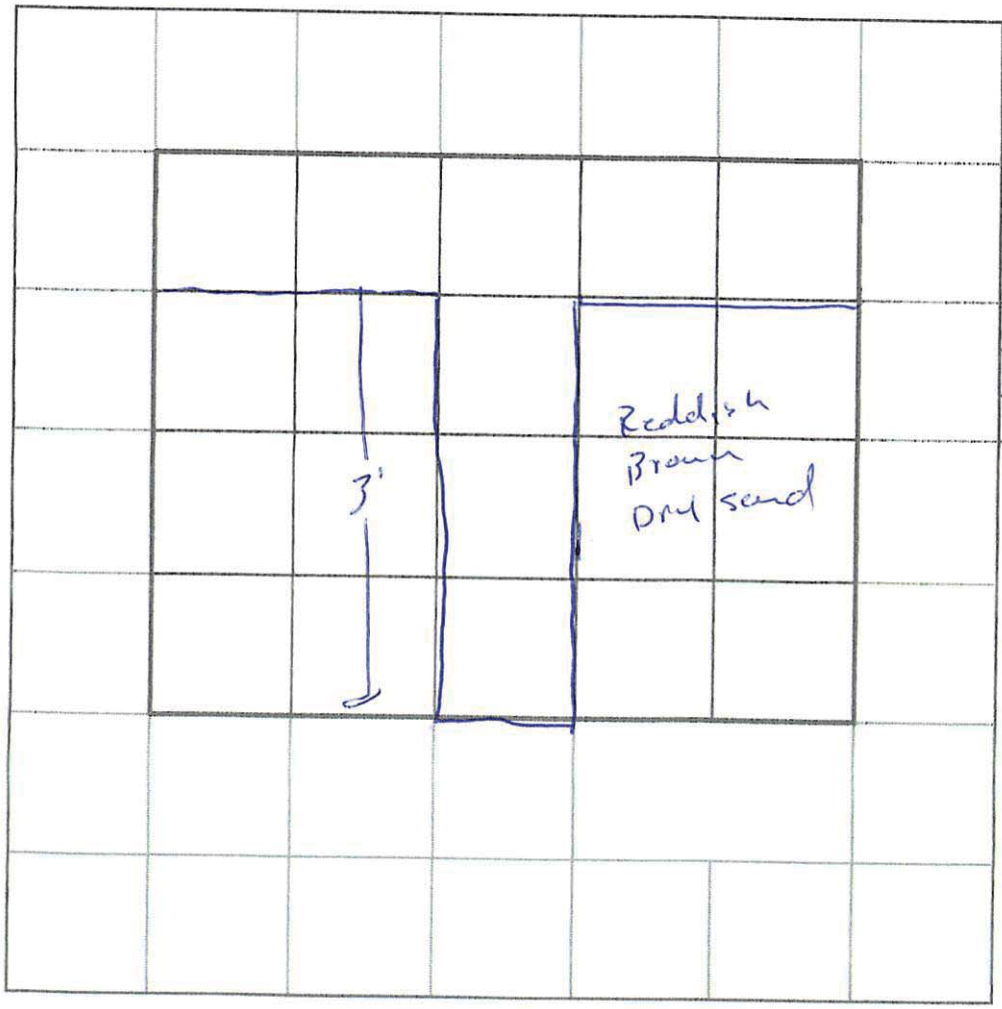
SAMPLING PLAN:

36° 31.0387

107° 55.7412

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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(505) 632-0615 (800) 362-1879

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Project No: 1st Quarter Treatment Zone Sampling

COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

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DATE STARTED: 3/25/16

DATE FINISHED: 3/25/16

ENVIRONMENTAL SPECIALIST: J. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 9-11

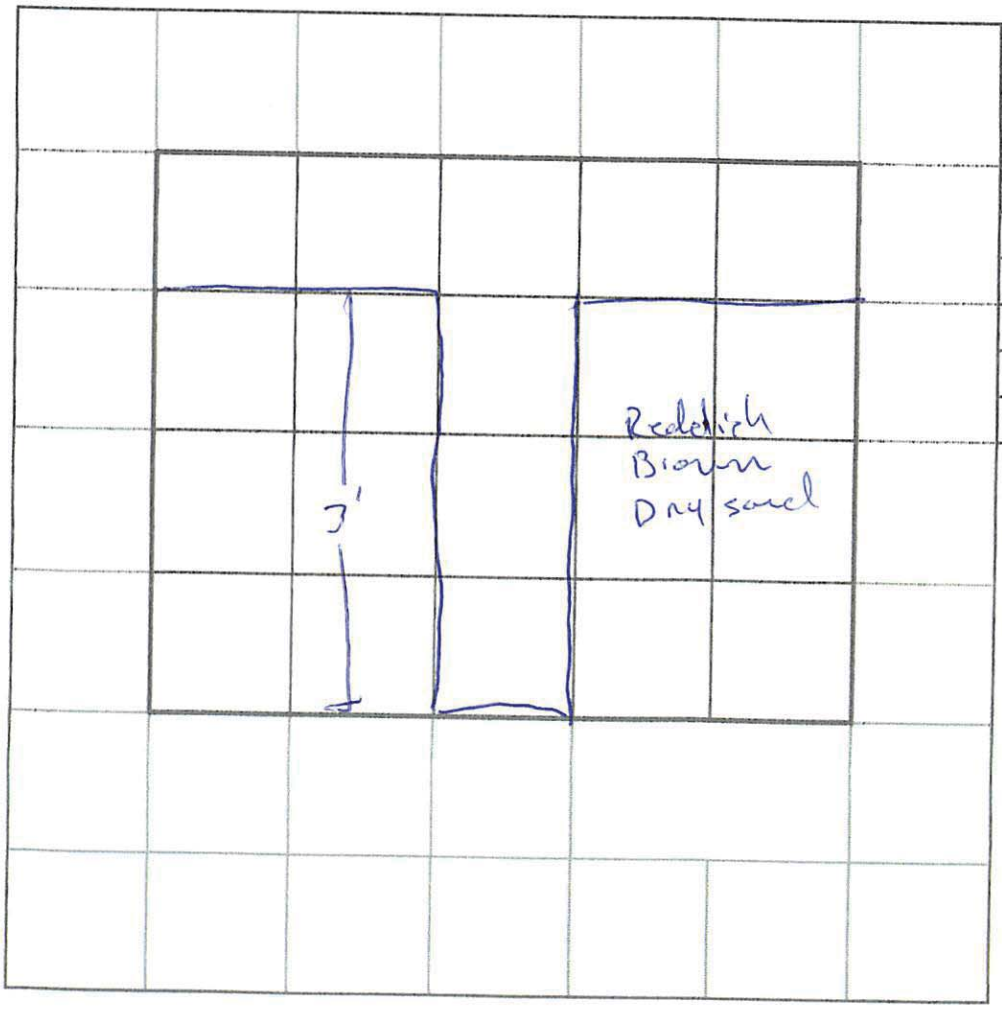
SOIL REMEDIATION	
	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

36° 31.0374

107.55.7595

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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Project No: 1st Quarter Treatment Zone Sampling

COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

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DATE STARTED: 3/25/16

DATE FINISHED: 3/25/16

ENVIRONMENTAL SPECIALIST: T. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 9-12

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

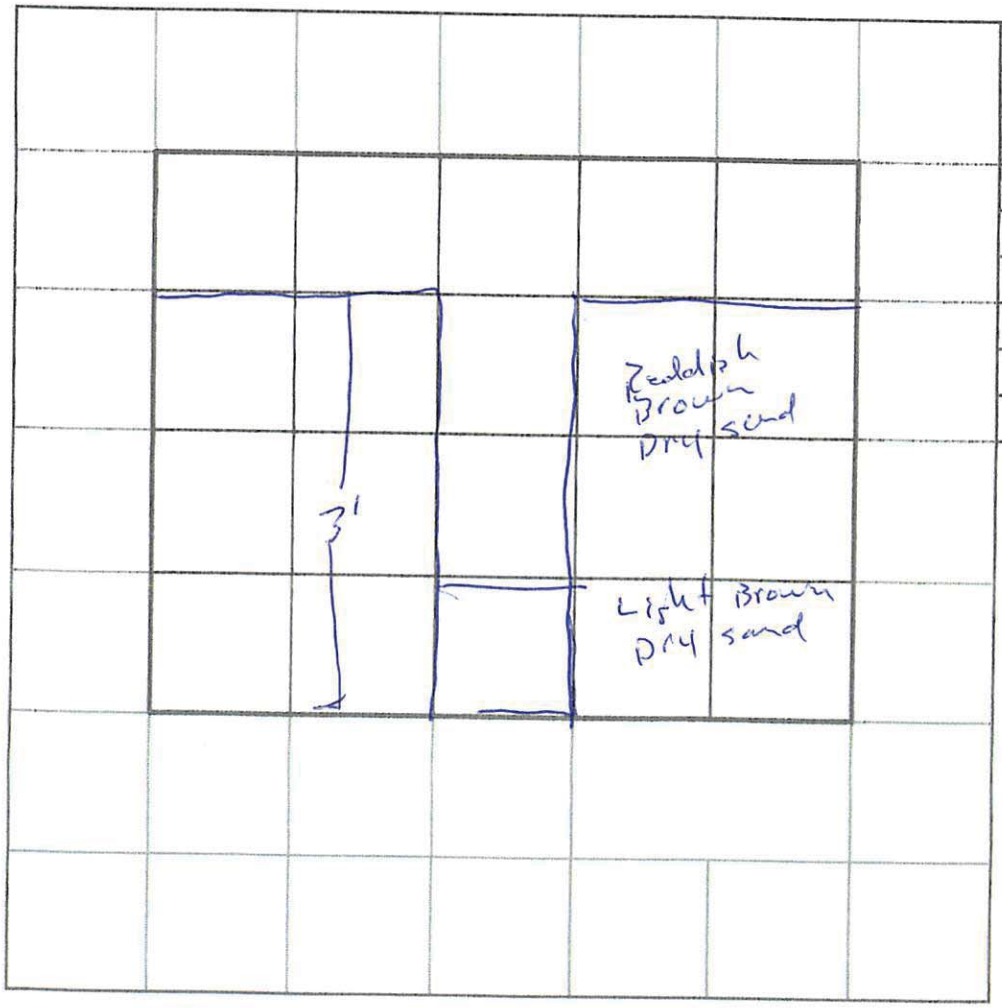
SAMPLING PLAN:

36° 31.0358

107° 55.7789

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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Project No: 1st Quarter Treatment Zone Sampling

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FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

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DATE STARTED: 3/25/16

DATE FINISHED: 3/25/16

ENVIRONMENTAL SPECIALIST: J. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 9-13

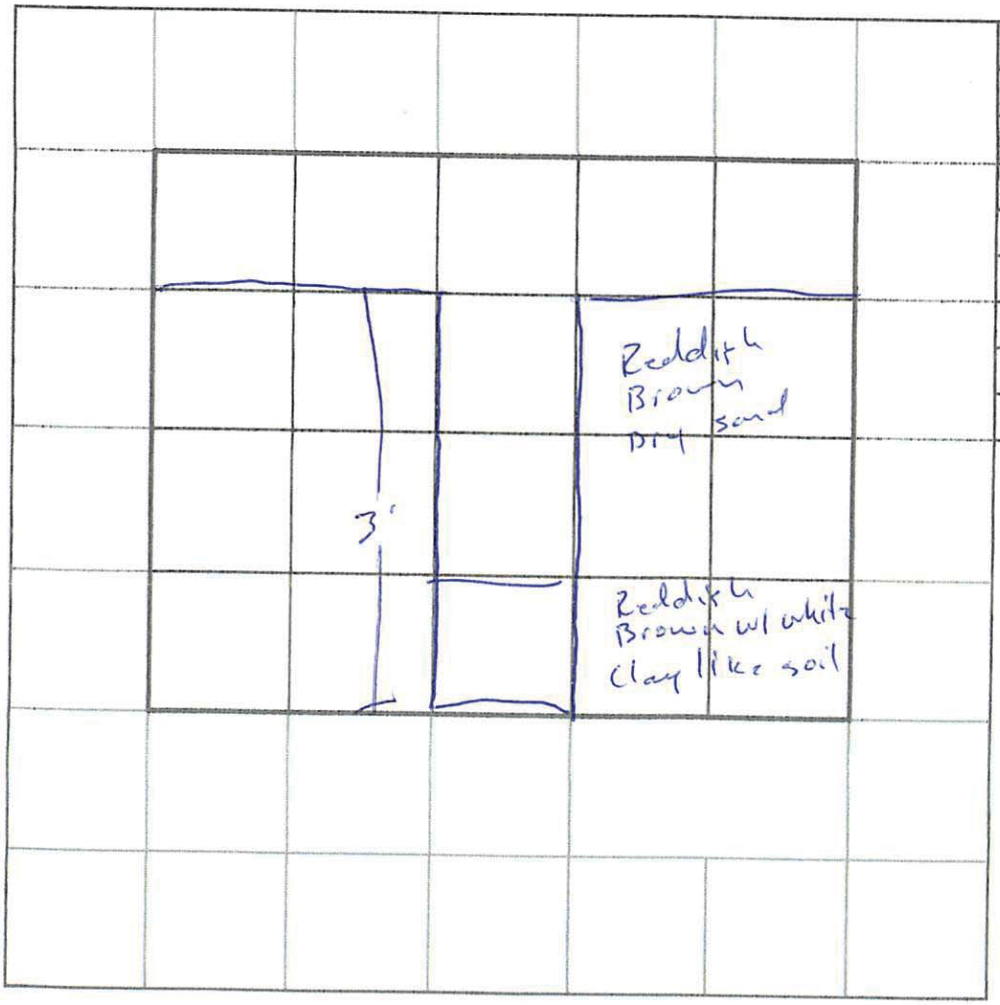
SOIL REMEDIATION	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

36° 31.0357

107° 55.7976

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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Project No: 1st Quarter Treatment Zone Sampling

COC No:

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DATE STARTED: 3/26/16

DATE FINISHED: 3/26/16

ENVIRONMENTAL SPECIALIST: R. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 9-14

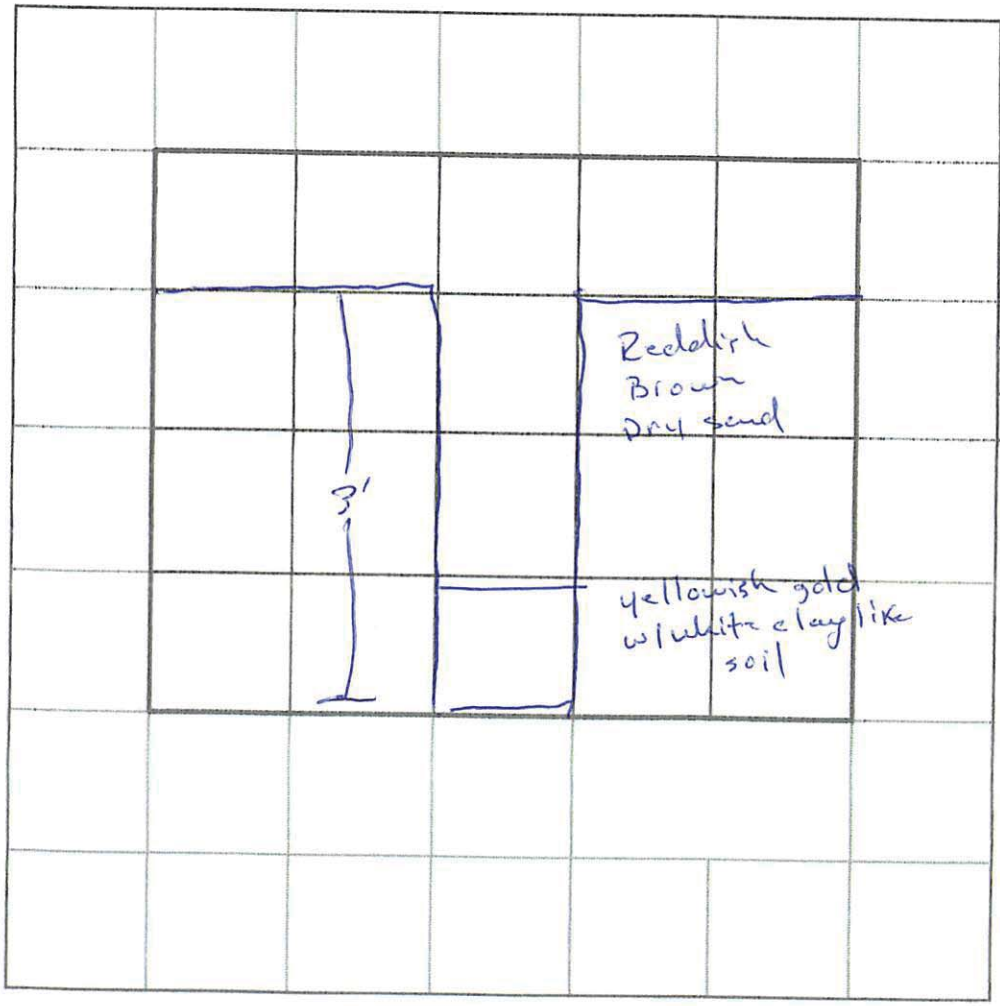
SOIL REMEDIATION	
	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

36° 31.0346

107° 55.8162

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

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DATE STARTED: 3/25/16

DATE FINISHED: 3/25/16

ENVIRONMENTAL SPECIALIST: T. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 9-15

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

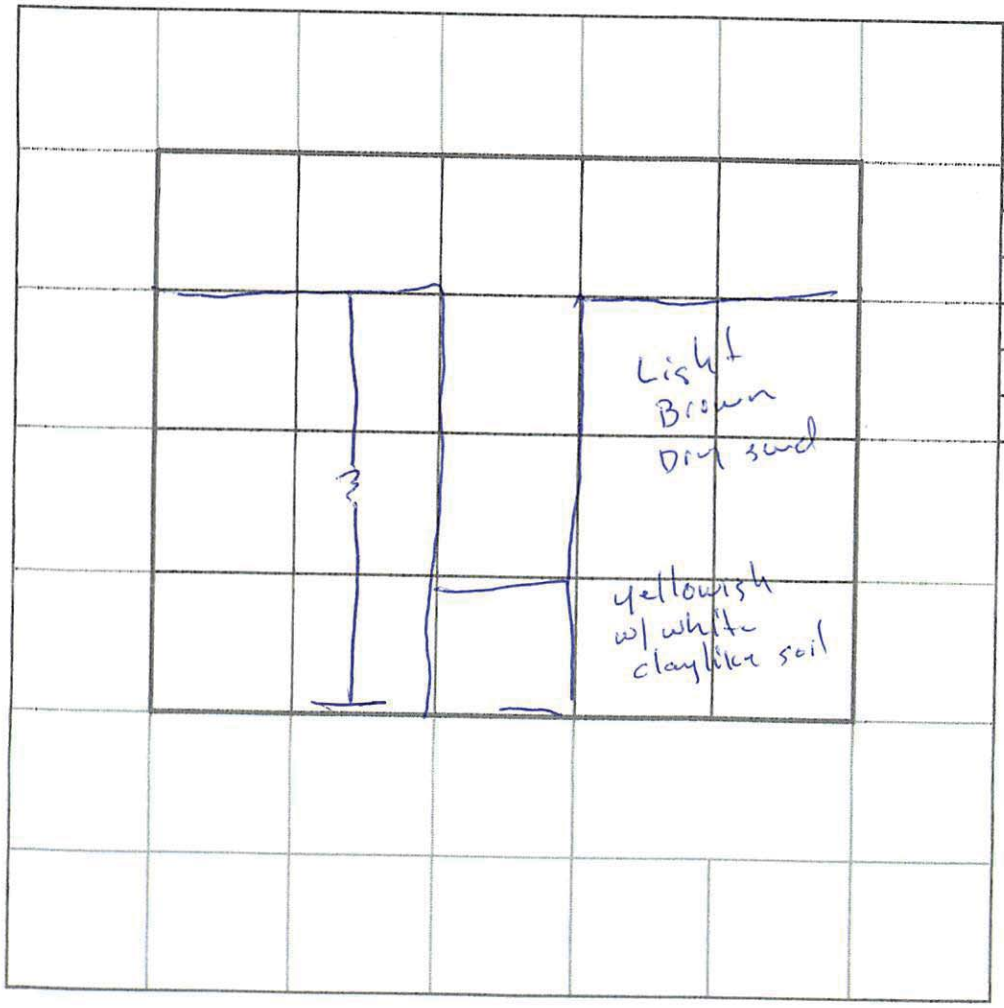
SAMPLING PLAN:

36° 31.0336

107° 55.8354

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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Project No: 1st Quarter Treatment Zone Sampling

COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

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DATE STARTED: 3/25/16

DATE FINISHED: 3/25/16

ENVIRONMENTAL SPECIALIST: J. Harden

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: CF-4

CELL/ SECTION: Area 9-16

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

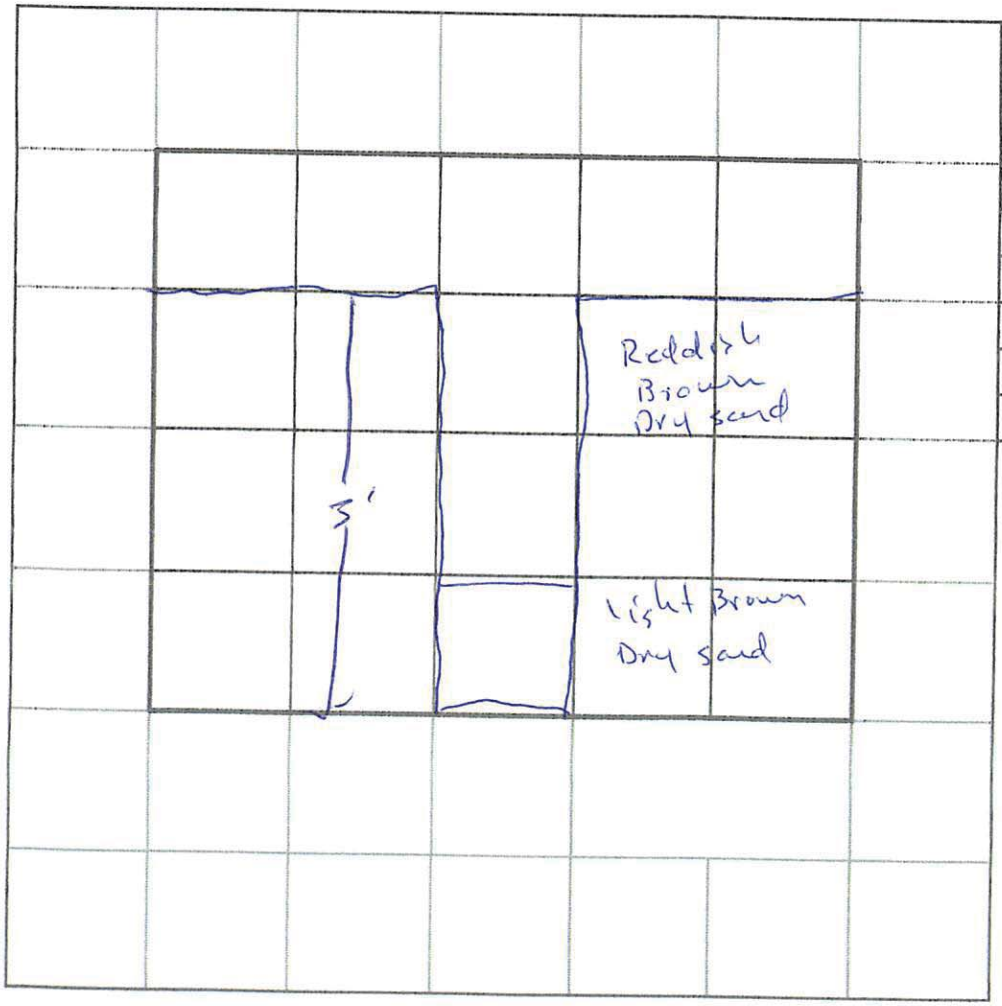
SAMPLING PLAN:

36° 31.0336

107 55.8541

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

envirotech

(505) 632-0615 (800) 362-1879

5796 U.S. Hwy 64, Farmington, NM 87401

Project No: 1st Quarter Treatment Zone Sampling

COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

PAGE NO: 1 OF 1

DATE STARTED: 3/25/16

DATE FINISHED: 3/25/16

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 10-1

ENVIRONMENTAL SPECIALIST. T. Garcia

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

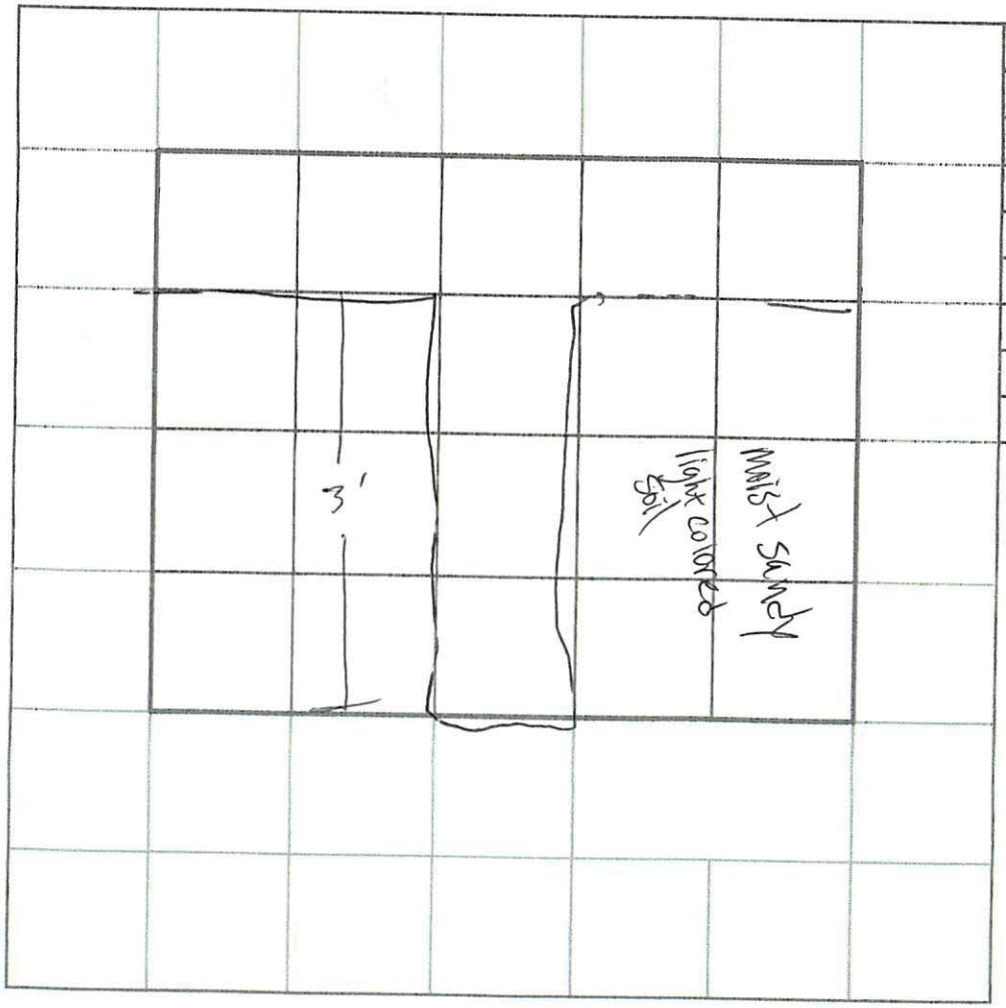
SAMPLING PLAN:

36° 31.0013

107° 55.7242

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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5796 U.S. Hwy 64, Farmington, NM 87401

Project No: 1st Quarter Treatment Zone Sampling

COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

PAGE NO: 1 OF 1

DATE STARTED: 3/25/16

DATE FINISHED: 3/25/16

ENVIRONMENTAL SPECIALIST: I. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 10-2

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

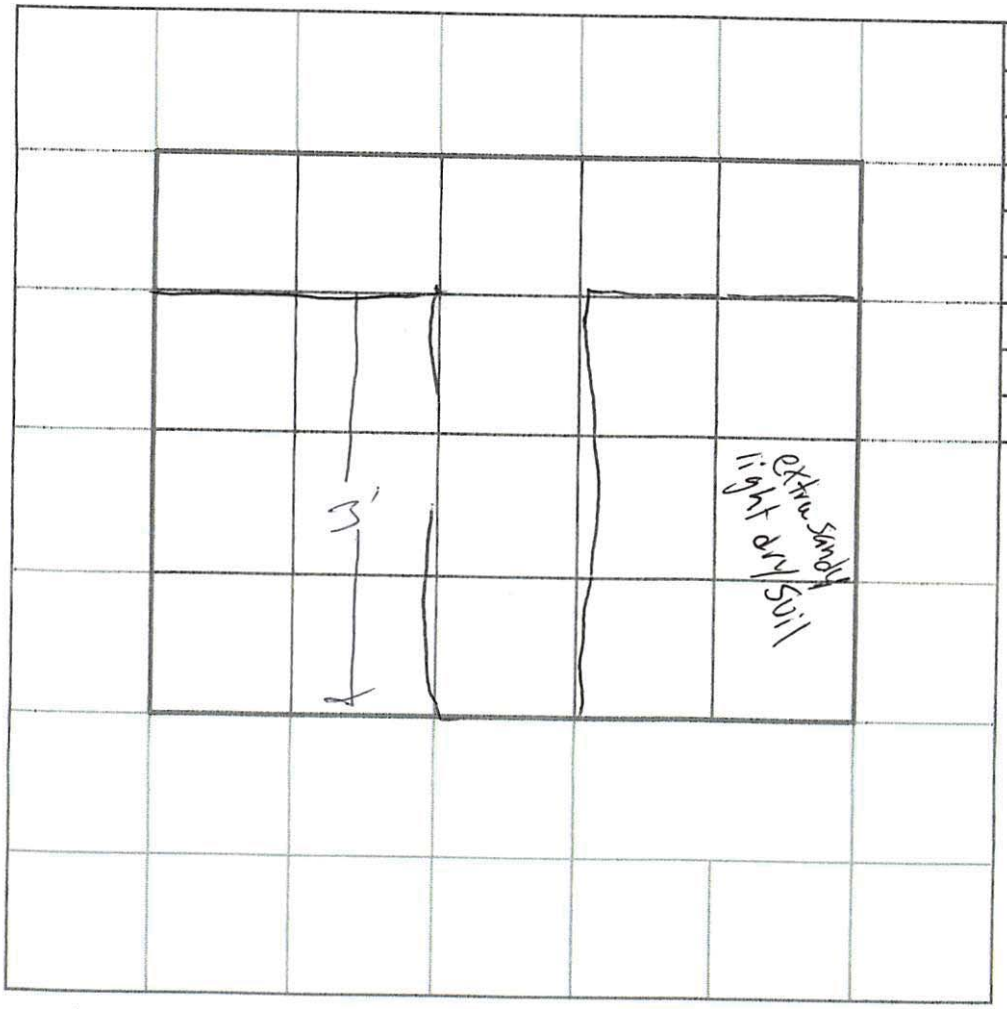
SAMPLING PLAN:

36° 31.0004

107° 55.7434

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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Project No: 1st Quarter Treatment Zone Sampling

COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

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DATE STARTED: 3/25/16

DATE FINISHED: 3/25/16

ENVIRONMENTAL SPECIALIST: J. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

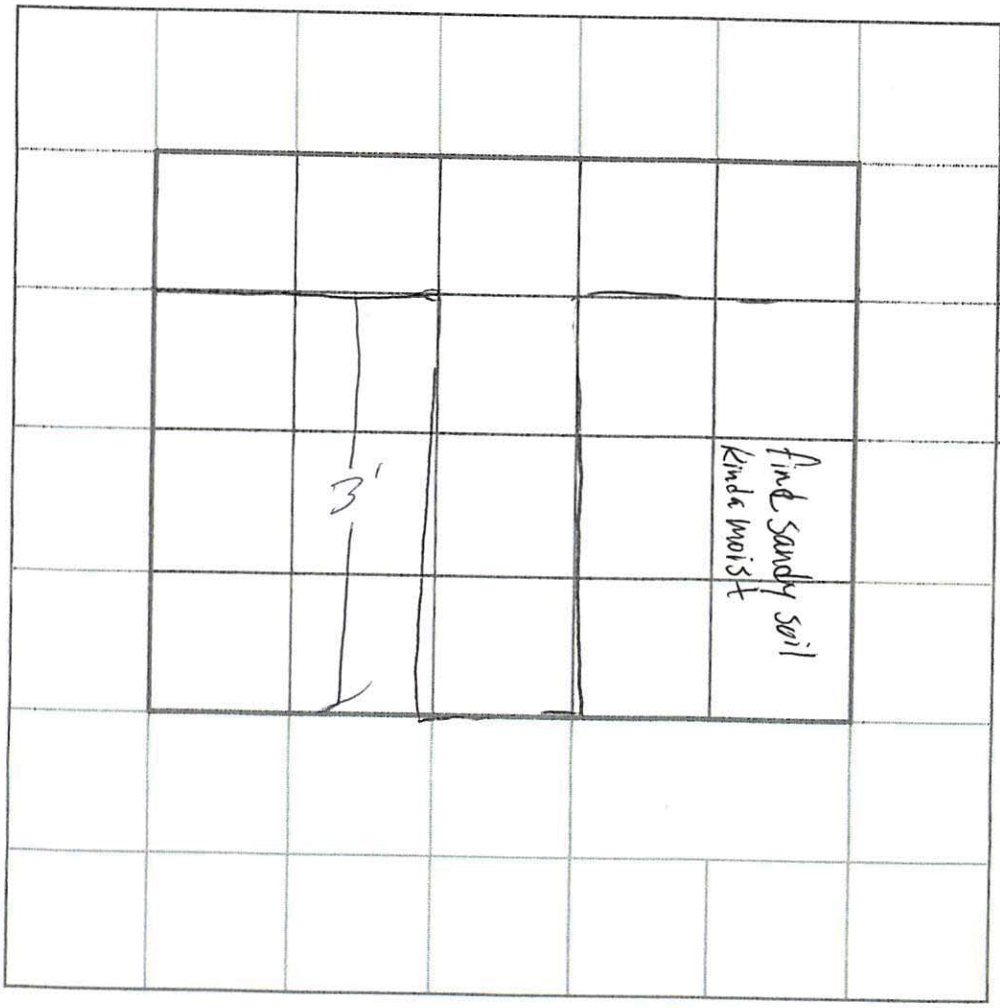
CELL/ SECTION: Area 10-3

SOIL REMEDIATION	
	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

36° 30.9991
107° 55.7622

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

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DATE STARTED: 3/25/16

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ENVIRONMENTAL SPECIALIST: A. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-14

CELL/ SECTION: Area 10-4

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

SAMPLING PLAN:

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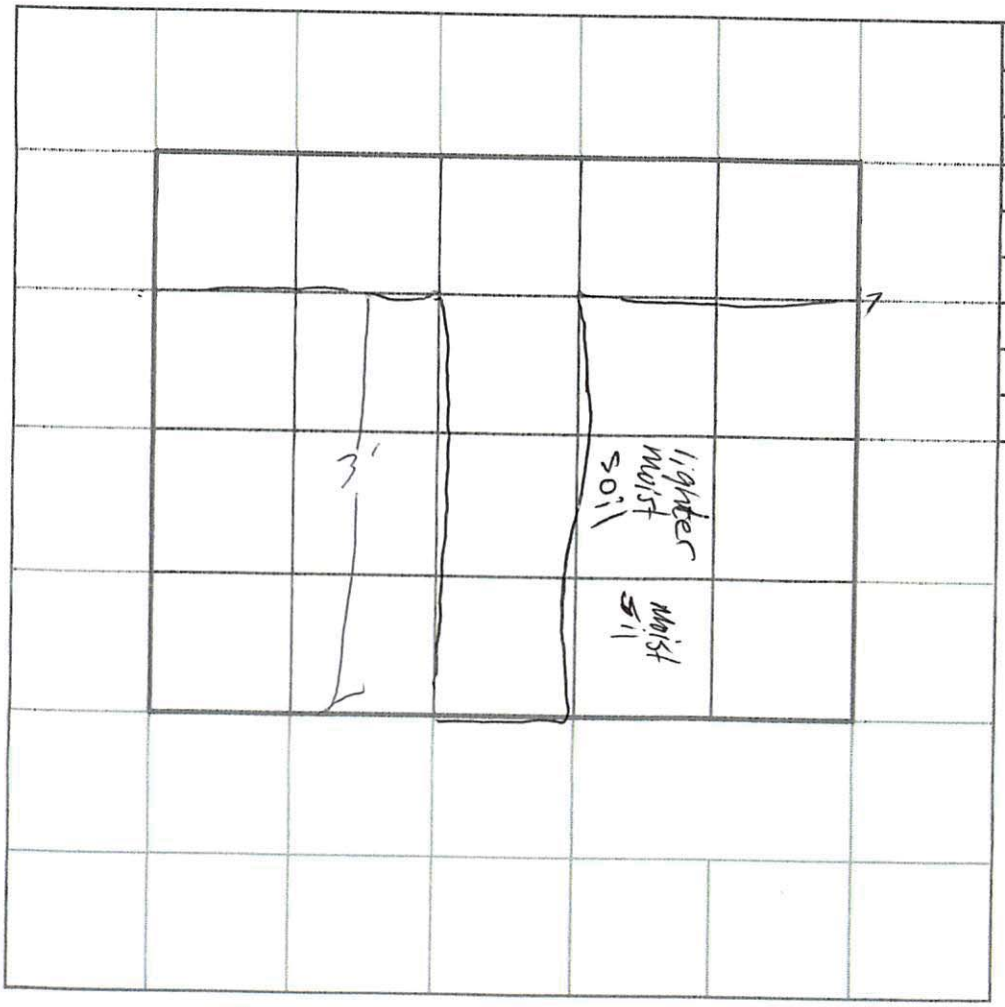
107° 55.7800

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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Project No: 1st Quarter Treatment Zone Sampling

COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

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DATE STARTED: 3/26/16

DATE FINISHED: 3/26/16

ENVIRONMENTAL SPECIALIST: T. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 10-5

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

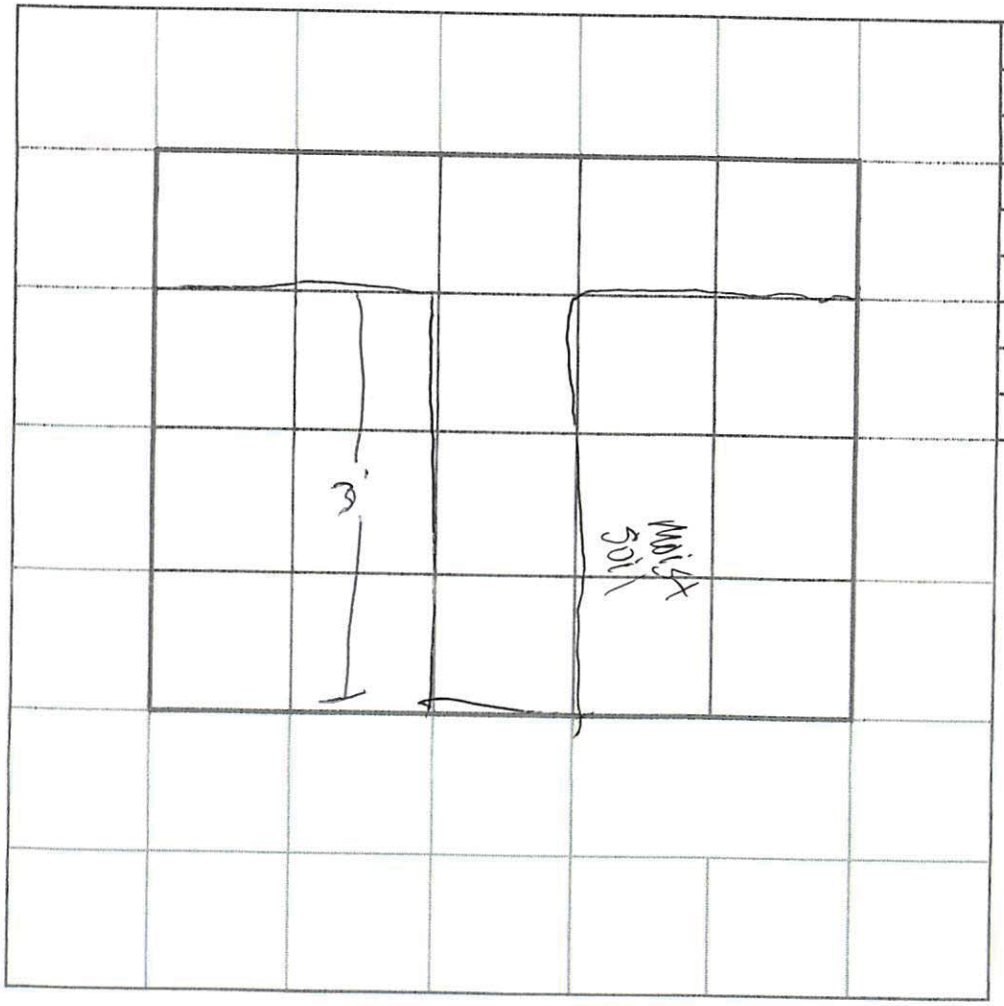
SAMPLING PLAN:

36° 30.9980

107° 55.7972

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

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DATE STARTED: 3/25/16

DATE FINISHED: 3/25/16

ENVIRONMENTAL SPECIALIST: A. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 10-6

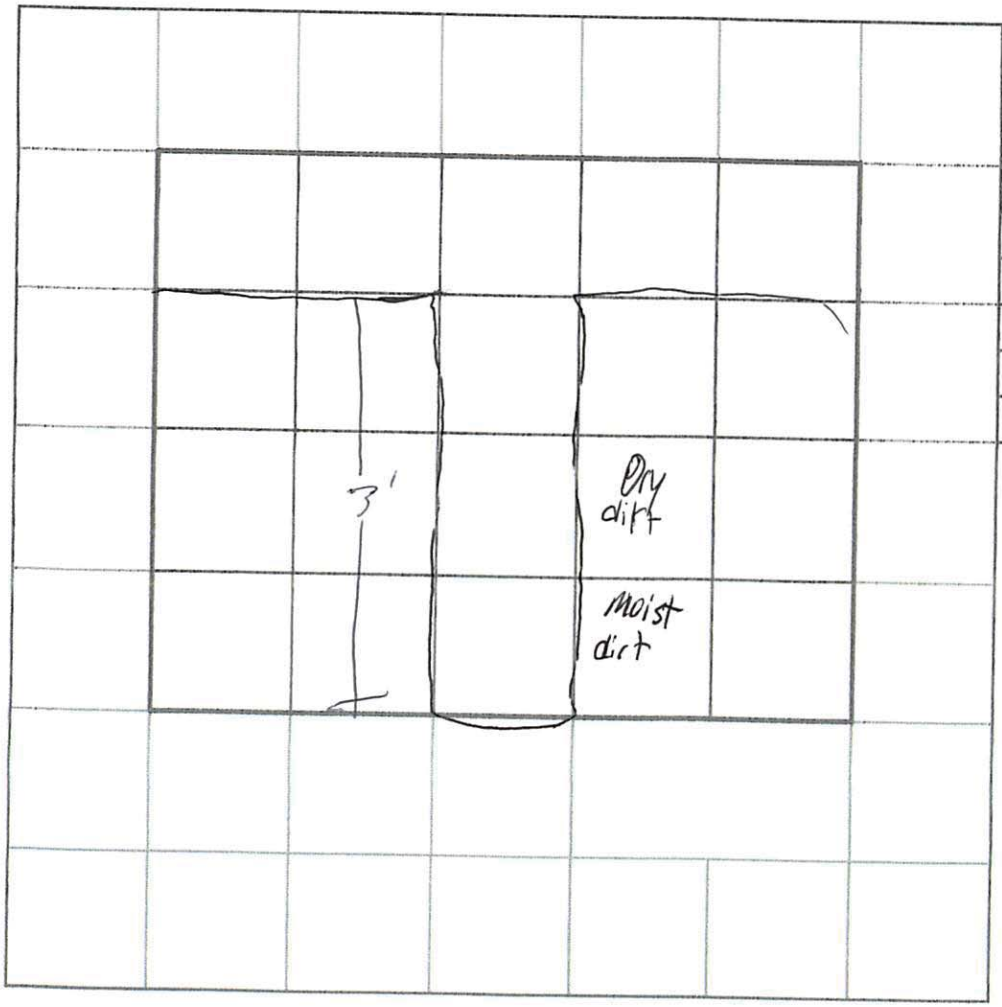
SOIL REMEDIATION	
	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

36° 30.9965

107° 55.8157

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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Project No: 1st Quarter Treatment Zone Sampling

COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

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DATE STARTED: 3/25/16

DATE FINISHED: 3/25/16

ENVIRONMENTAL SPECIALIST: J. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

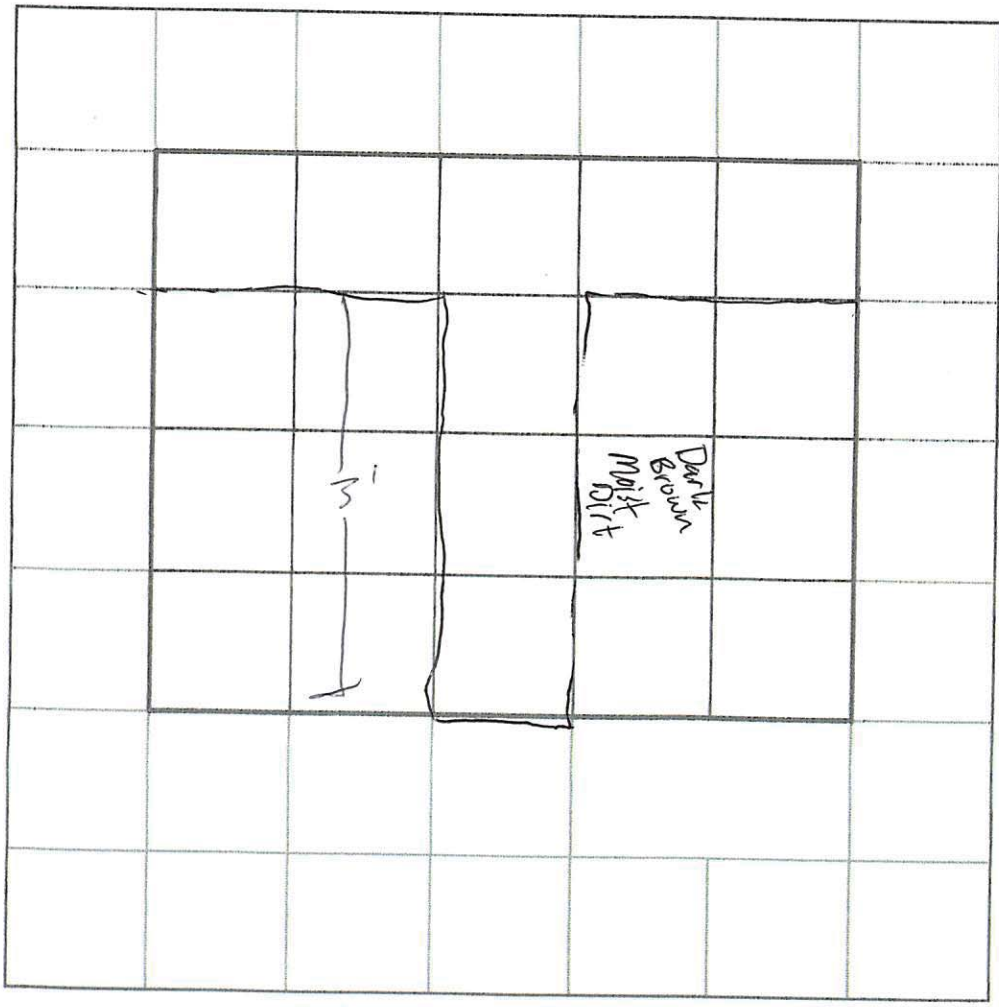
CELL/ SECTION: Area 10-7

SOIL REMEDIATION	
	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

36° 30.9963
107° 55.8342

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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ENVIRONMENTAL SPECIALIST: E. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 10-B

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

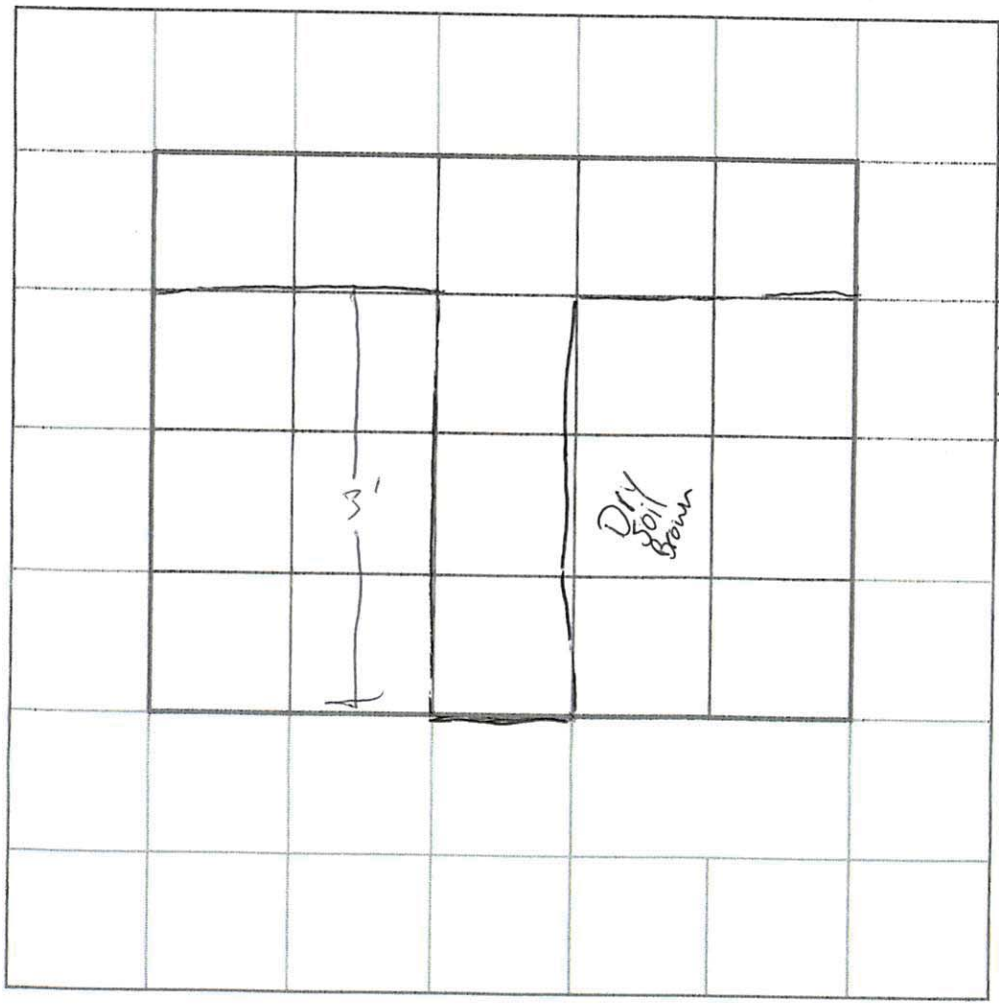
SAMPLING PLAN:

36° 30.7960

107° 55.8543

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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DATE STARTED: 3/25/16

DATE FINISHED: 3/25/16

ENVIRONMENTAL SPECIALIST: T. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 10-9

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

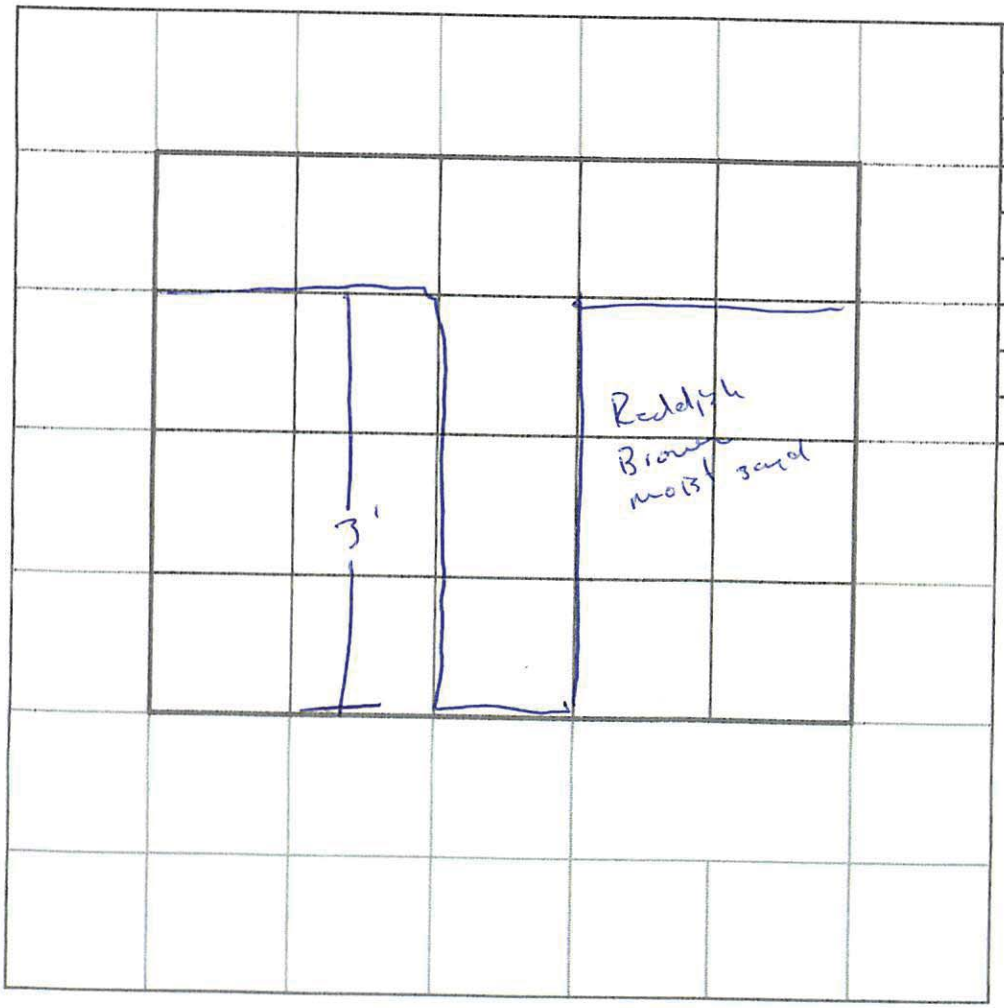
SAMPLING PLAN:

36° 30.9674

107° 55.7220

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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Project No: 1st Quarter Treatment Zone Sampling

COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

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DATE STARTED: 3/25/16

DATE FINISHED: 3/25/16

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 10-10

ENVIRONMENTAL SPECIALIST: B. Garcia

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

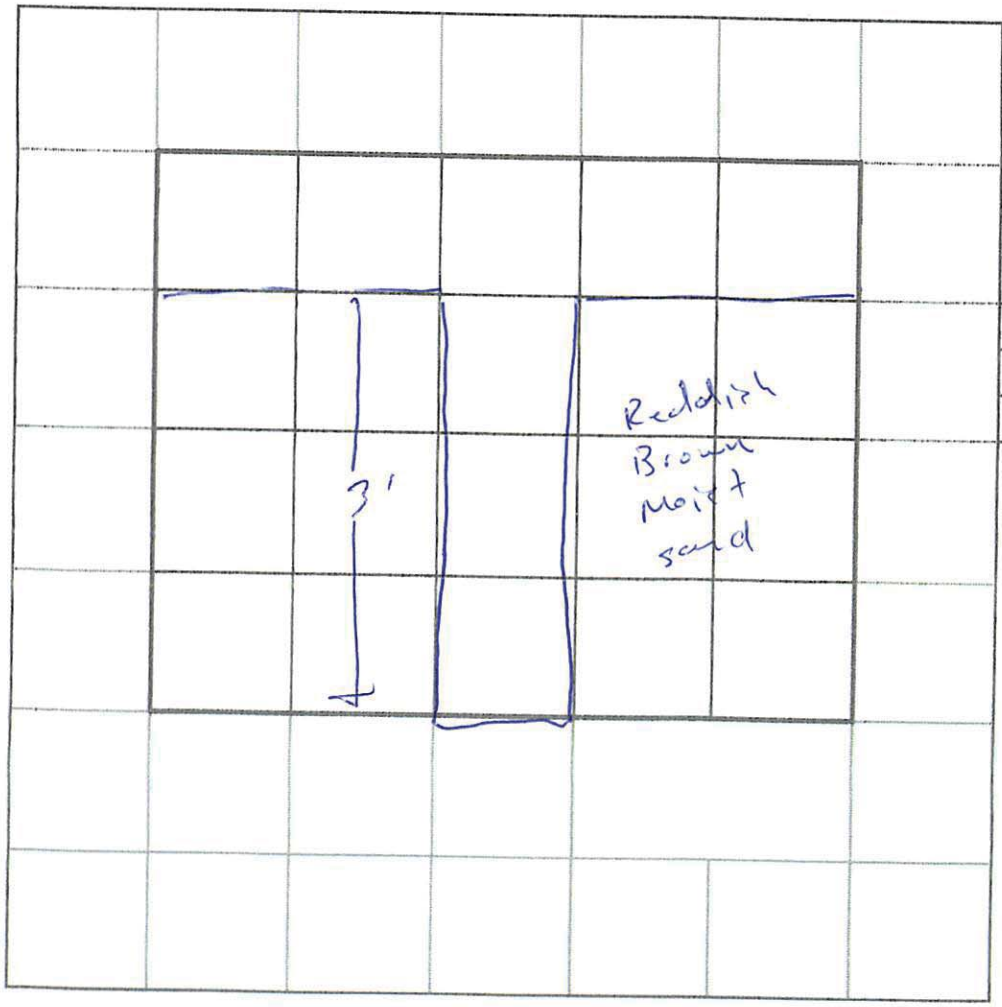
VISIBLE OBSERVATIONS:

SAMPLING PLAN:

36°31.9668
107°55.7377

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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Project No: 1st Quarter Treatment Zone Sampling

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FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

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DATE STARTED: 3/25/16

DATE FINISHED: 3/25/16

ENVIRONMENTAL SPECIALIST: A. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 10-11

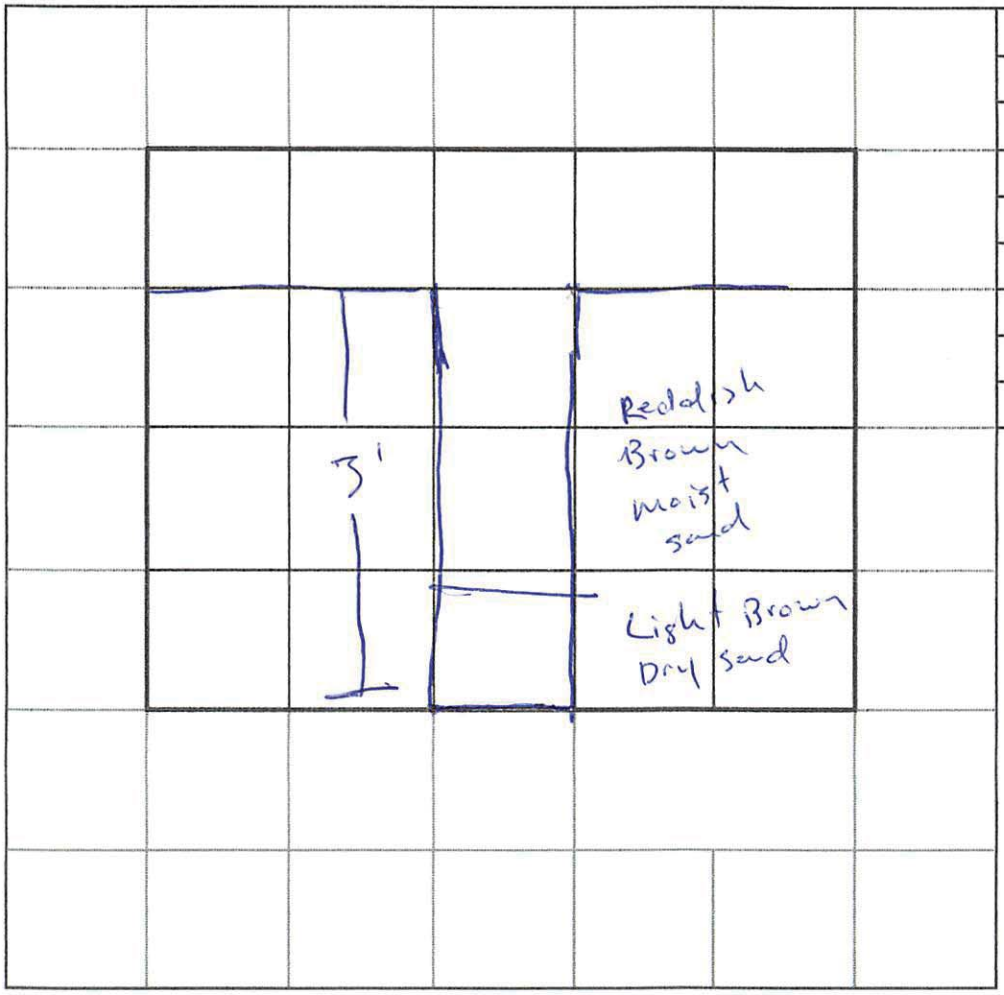
SOIL REMEDIATION	
	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

36° 30.965'

107° 55.755'

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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Project No: 1st Quarter Treatment Zone Sampling

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FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

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DATE STARTED: 3/25/16

DATE FINISHED: 3/25/16

ENVIRONMENTAL SPECIALIST: E. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: ~~Area~~ ~~Area~~ Area 10-12

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

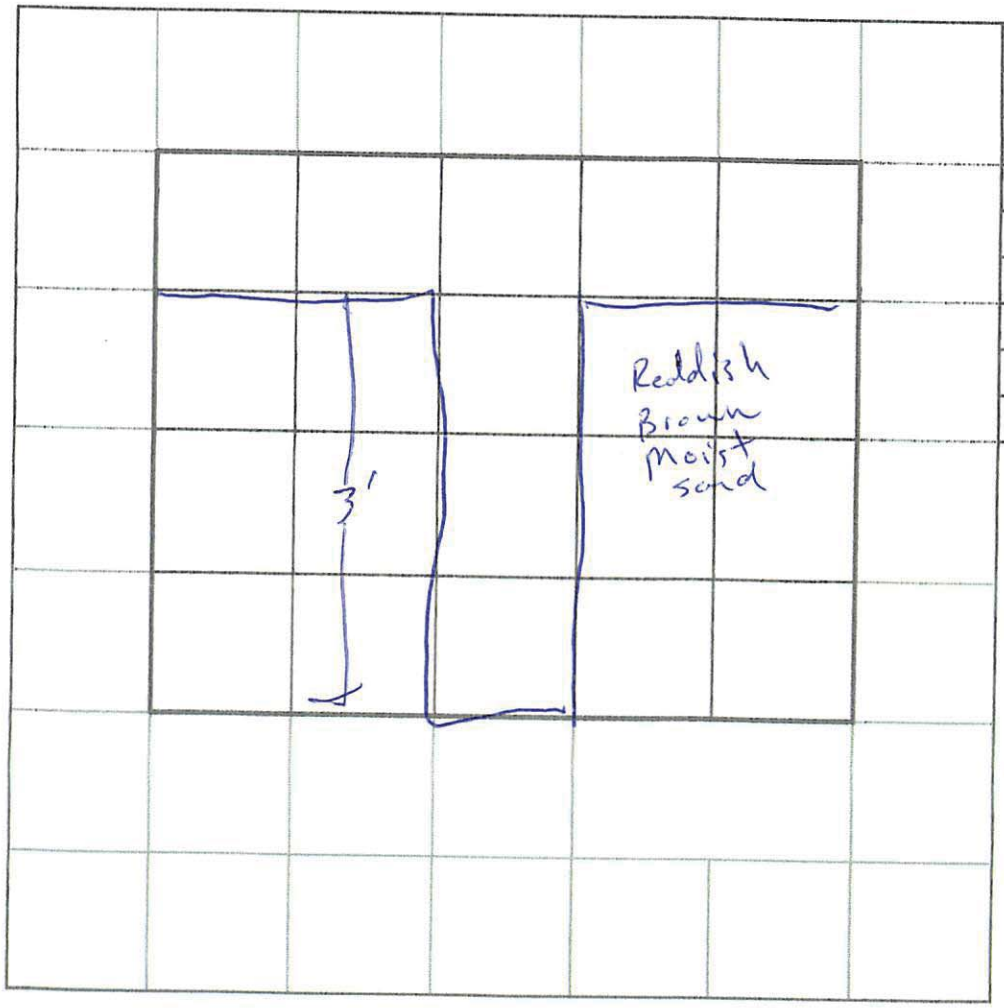
SAMPLING PLAN:

~~36° 30.1044~~ 36° 30.9663

~~107° 55.8144~~ 107° 55.7761

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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5796 U.S. Hwy 64, Farmington, NM 87401

Project No: 1st Quarter Treatment Zone Sampling

COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

PAGE NO: 1 OF 1

DATE STARTED: 3/25/16

DATE FINISHED: 3/25/16

ENVIRONMENTAL SPECIALIST: J. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 10-B

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

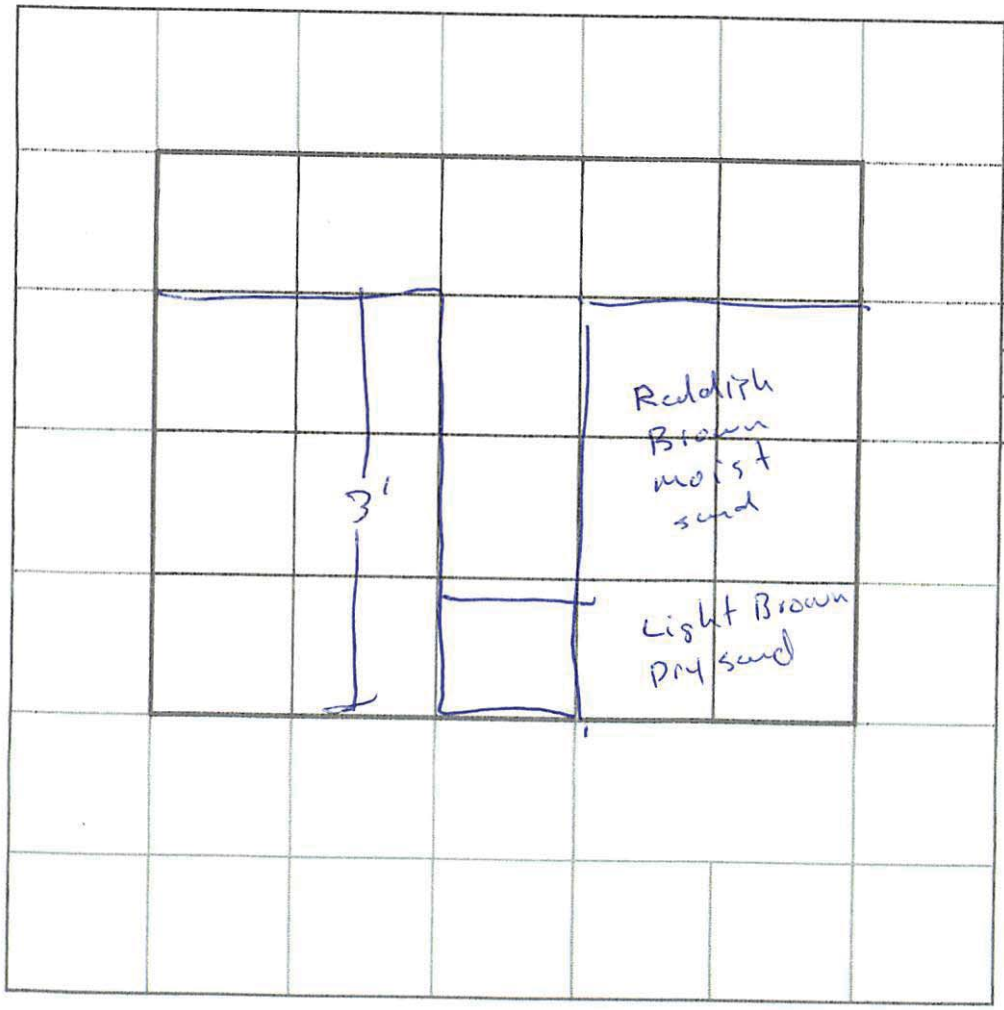
VISIBLE OBSERVATIONS:

SAMPLING PLAN:

36° 30-9656
107° 55-7959

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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5796 U.S. Hwy 64, Farmington, NM 87401

Project No: 1st Quarter Treatment Zone Sampling

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FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

PAGE NO: 1 OF 1

DATE STARTED: 3/25/16

DATE FINISHED: 3/25/16

ENVIRONMENTAL SPECIALIST: R. Haskell

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 10-14

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

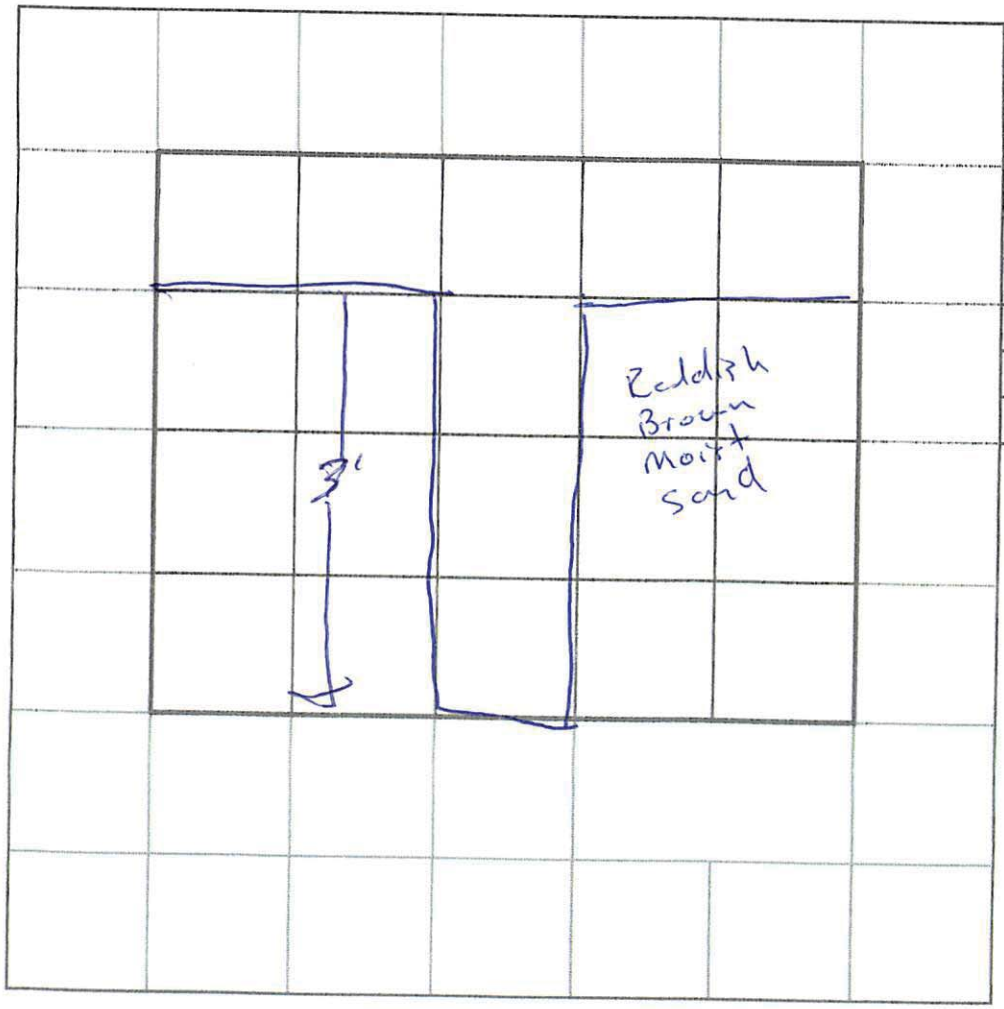
VISIBLE OBSERVATIONS:

SAMPLING PLAN:

36° 30.9662
107° 55.8145

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

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DATE STARTED: 3/25/16

DATE FINISHED: 3/25/16

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 10-B

ENVIRONMENTAL SPECIALIST: A. Garcia

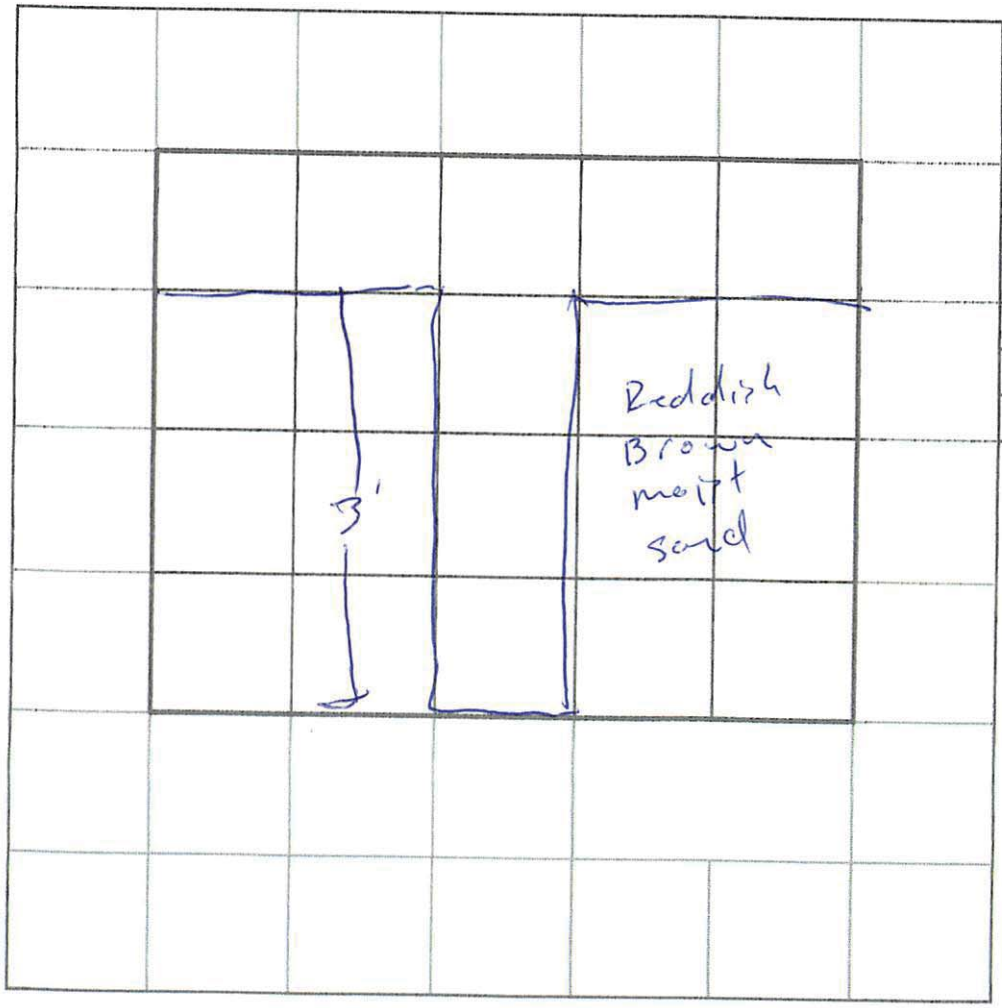
SOIL REMEDIATION	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

36° 30.9654

107 55.8336

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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Project No: 1st Quarter Treatment Zone Sampling

COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

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DATE STARTED: 3/25/16

DATE FINISHED: 3/25/16

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 10-16

ENVIRONMENTAL SPECIALIST: J. Garcia

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

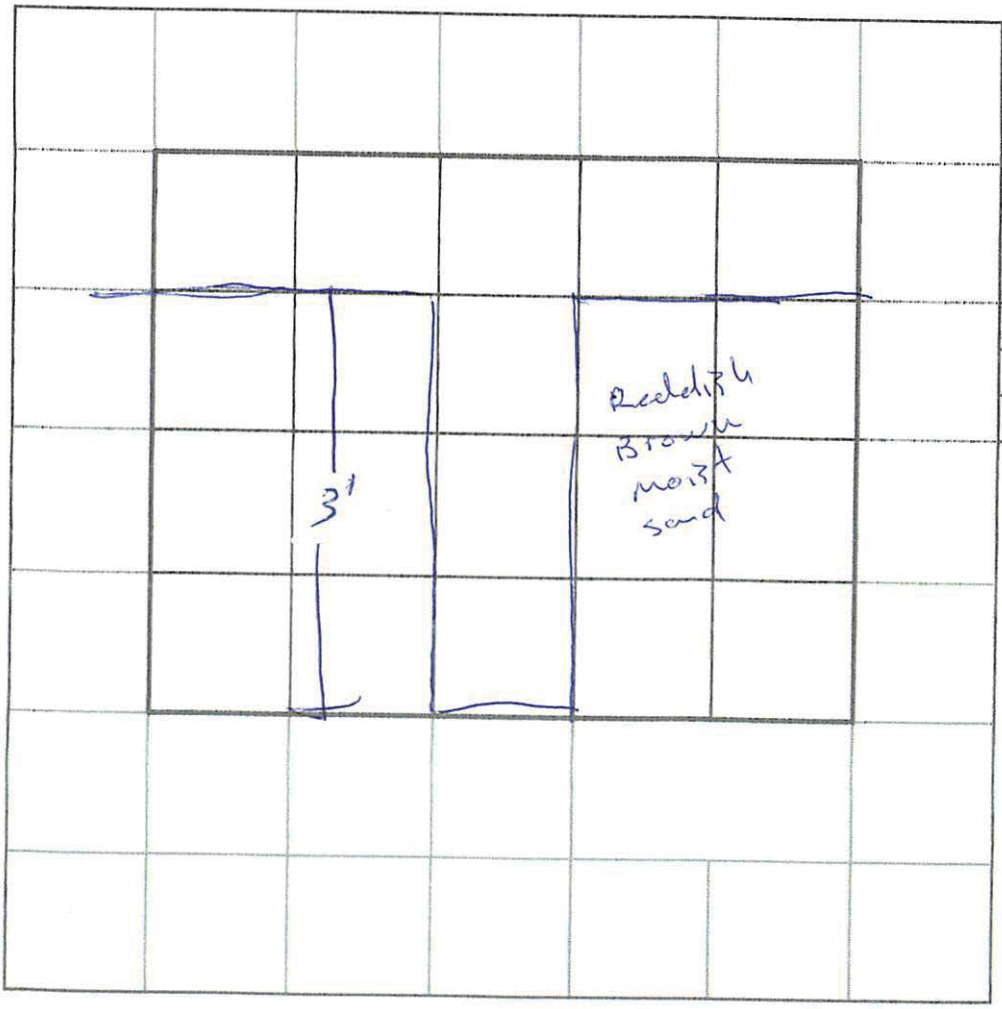
VISIBLE OBSERVATIONS:

SAMPLING PLAN:

36° 30. 9650
107° 55. 8554

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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DATE STARTED: 3/25/16

DATE FINISHED: 3/25/16

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 11-1

ENVIRONMENTAL SPECIALIST: J. Garcia

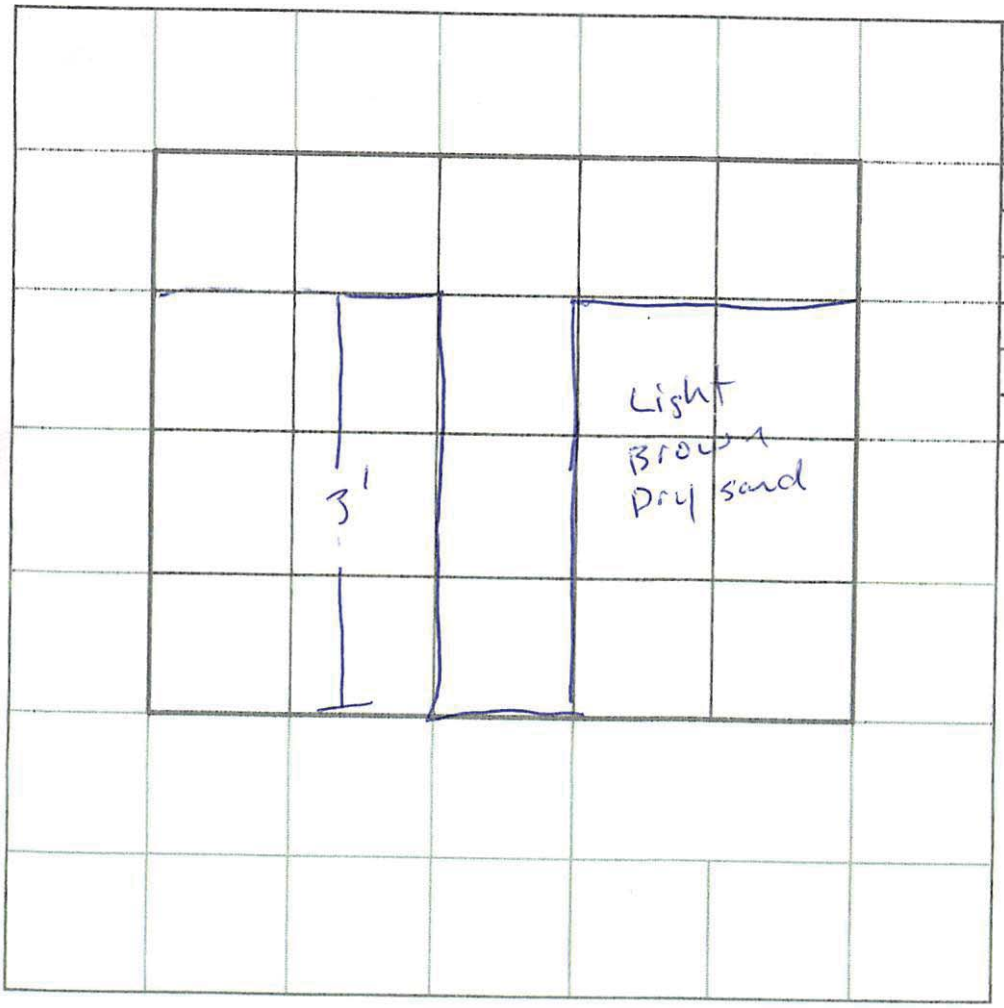
SOIL REMEDIATION	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

36° 30.9383

107° 55.8793

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

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DATE STARTED: 3/25/16

DATE FINISHED: 3/25/16

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area II-L

ENVIRONMENTAL SPECIALIST: Z. Garcia

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

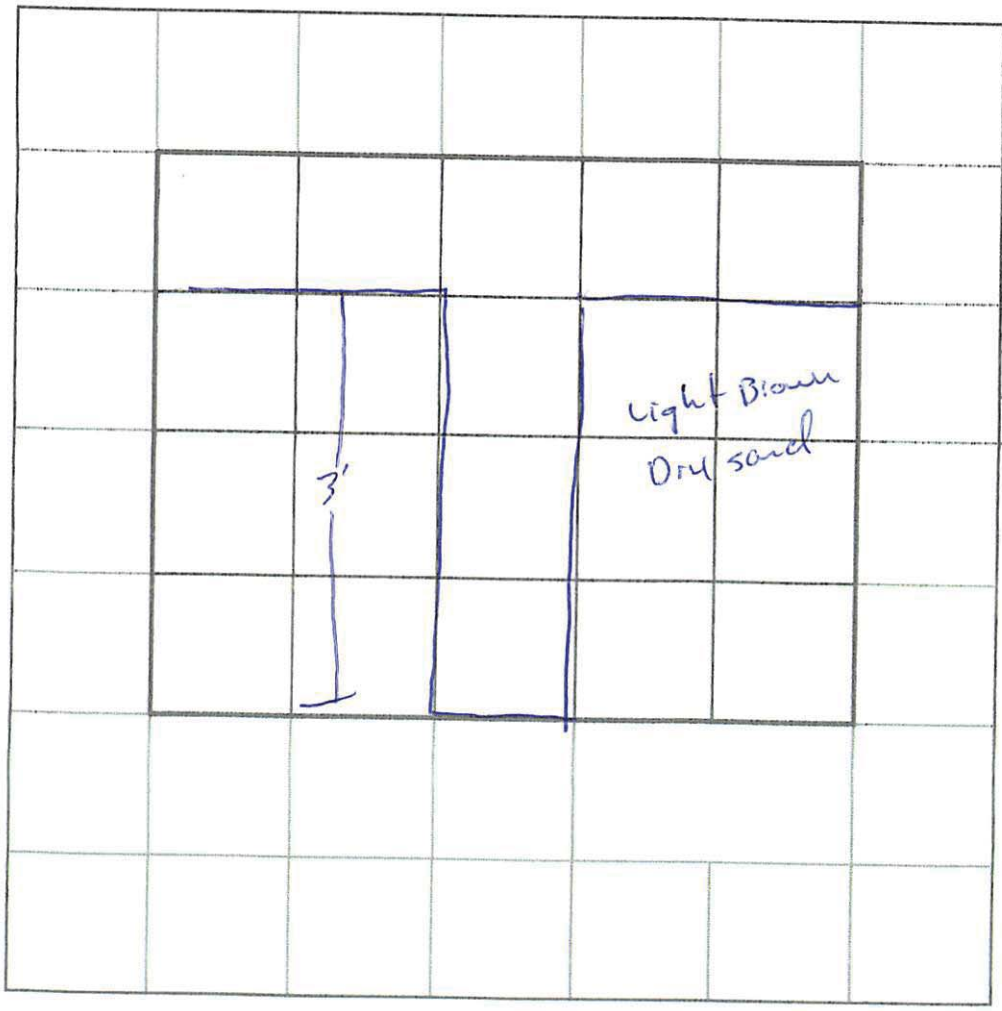
SAMPLING PLAN:

36° 30.9409

107° 55.8600

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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ENVIRONMENTAL SPECIALIST: E. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area II-3

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

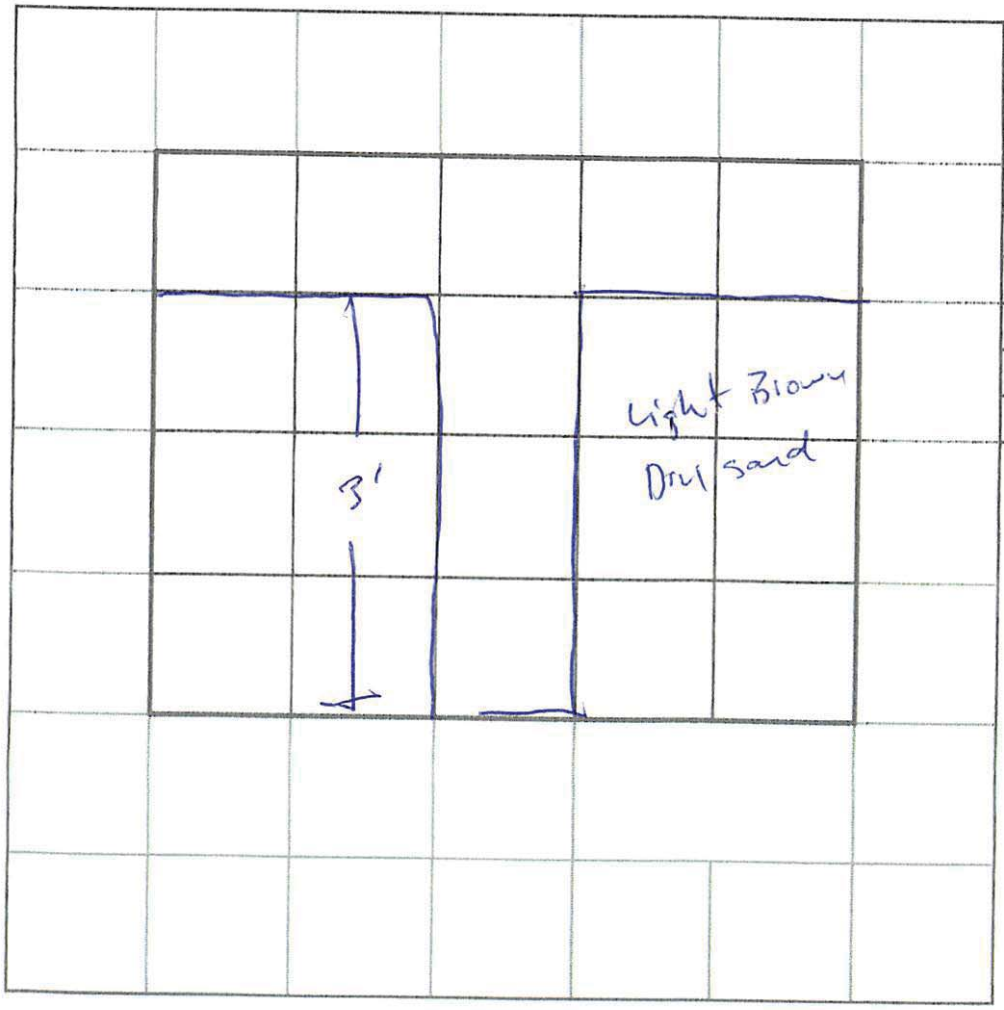
SAMPLING PLAN:

36° 30.9417

107° 55.8408

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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ENVIRONMENTAL SPECIALIST: T. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area II-4

SOIL REMEDIATION:

QUANTITY:

DIMENSIONS:

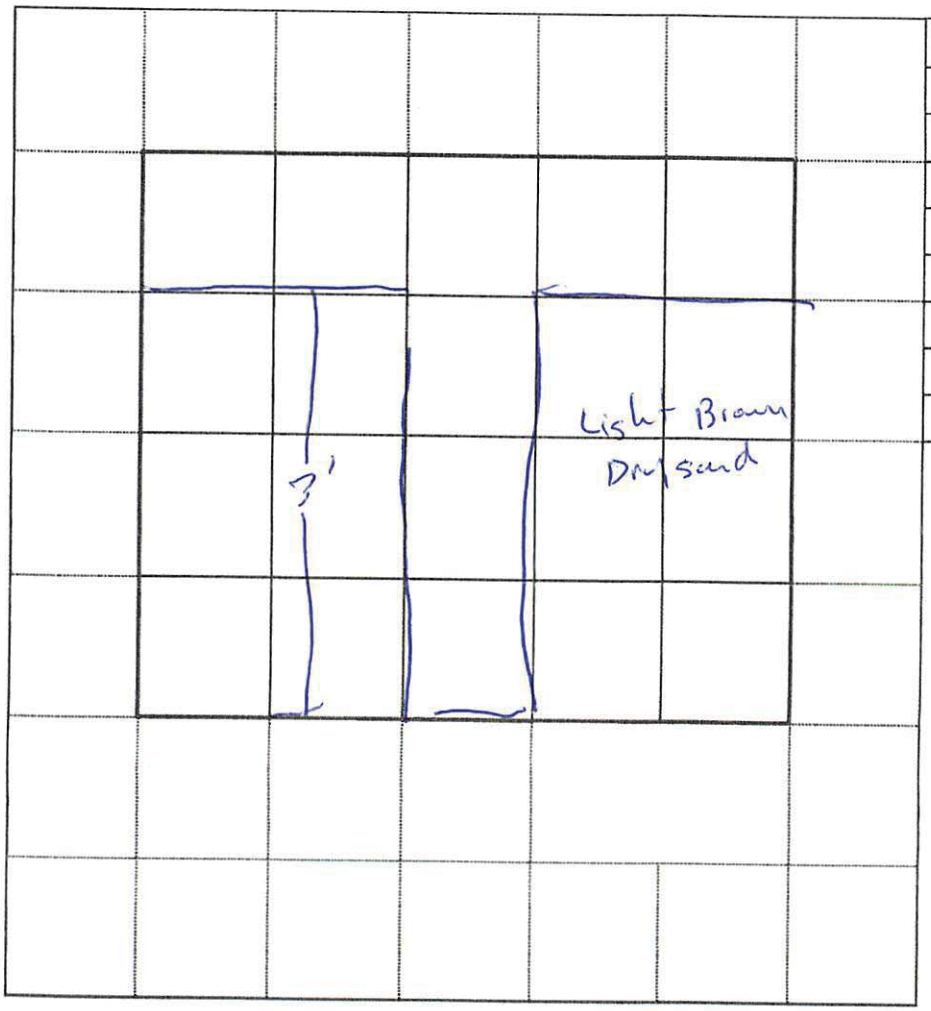
VISIBLE OBSERVATIONS:

SAMPLING PLAN:

36° 30.9425
107° 55.8233

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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5796 U.S. Hwy 64, Farmington, NM 87401

Project No: 1st Quarter Treatment Zone Sampling

COC No:

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DATE STARTED: 3/25/16

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FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 11-5

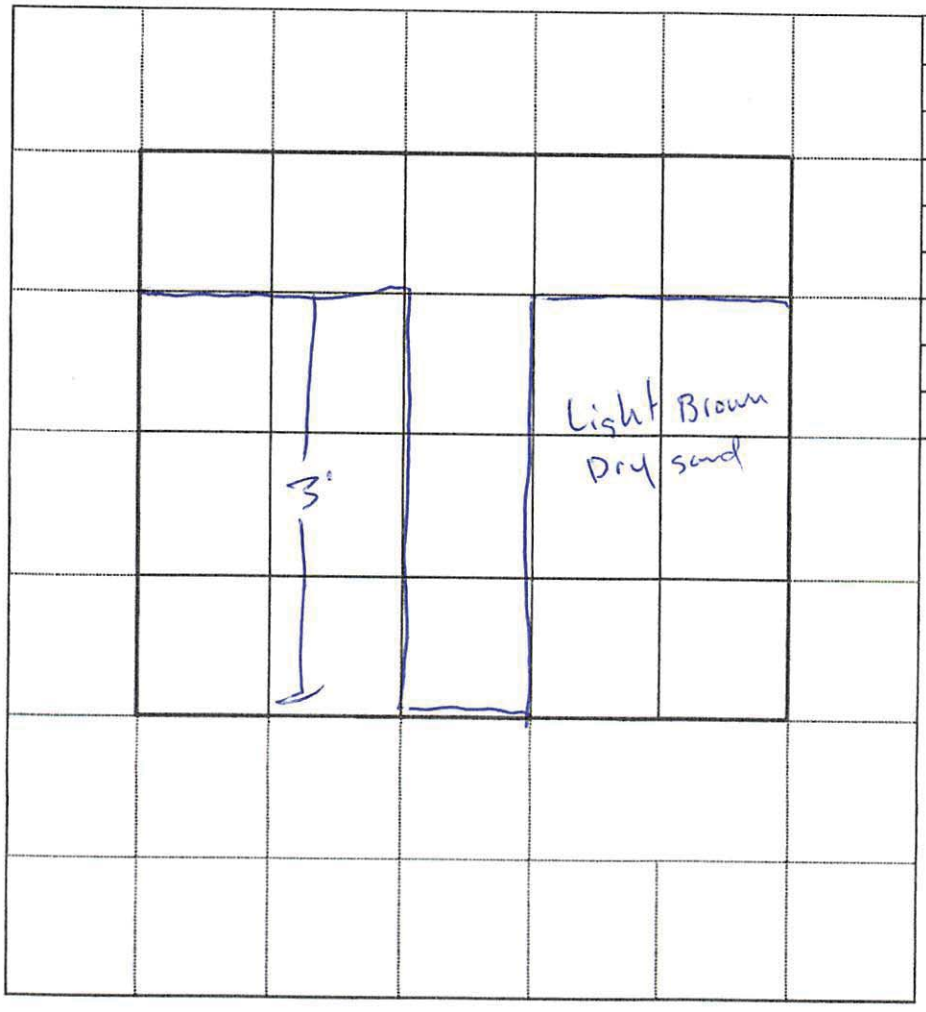
ENVIRONMENTAL SPECIALIST: J. Garcia

SOIL REMEDIATIC
- QUANTITY:
- DIMENSIONS:
- VISIBLE OBSERVATIONS:
- SAMPLING PLAN:

36° 30.9447
107° 55.8037

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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Project No: 1st Quarter Treatment Zone Sampling

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DATE STARTED: 3/25/16

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FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 11-6

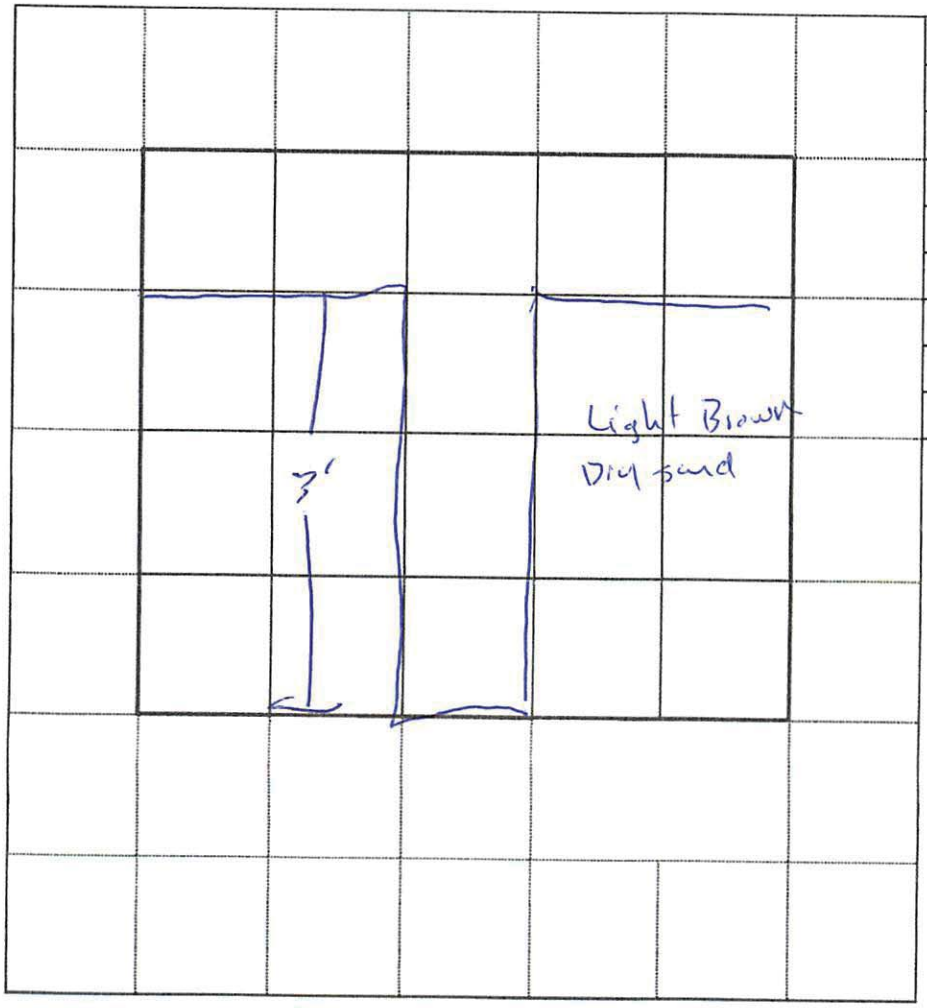
ENVIRONMENTAL SPECIALIST: A. Garcia

SOIL REMEDIATIC
- QUANTITY:
- DIMENSIONS:
- VISIBLE OBSERVATIONS:
- SAMPLING PLAN:

36° 30. 9466
107° 55. 7828

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 11-7

ENVIRONMENTAL SPECIALIST: A. Garcia

SOIL REMEDIATIC

QUANTITY:

DIMENSIONS:

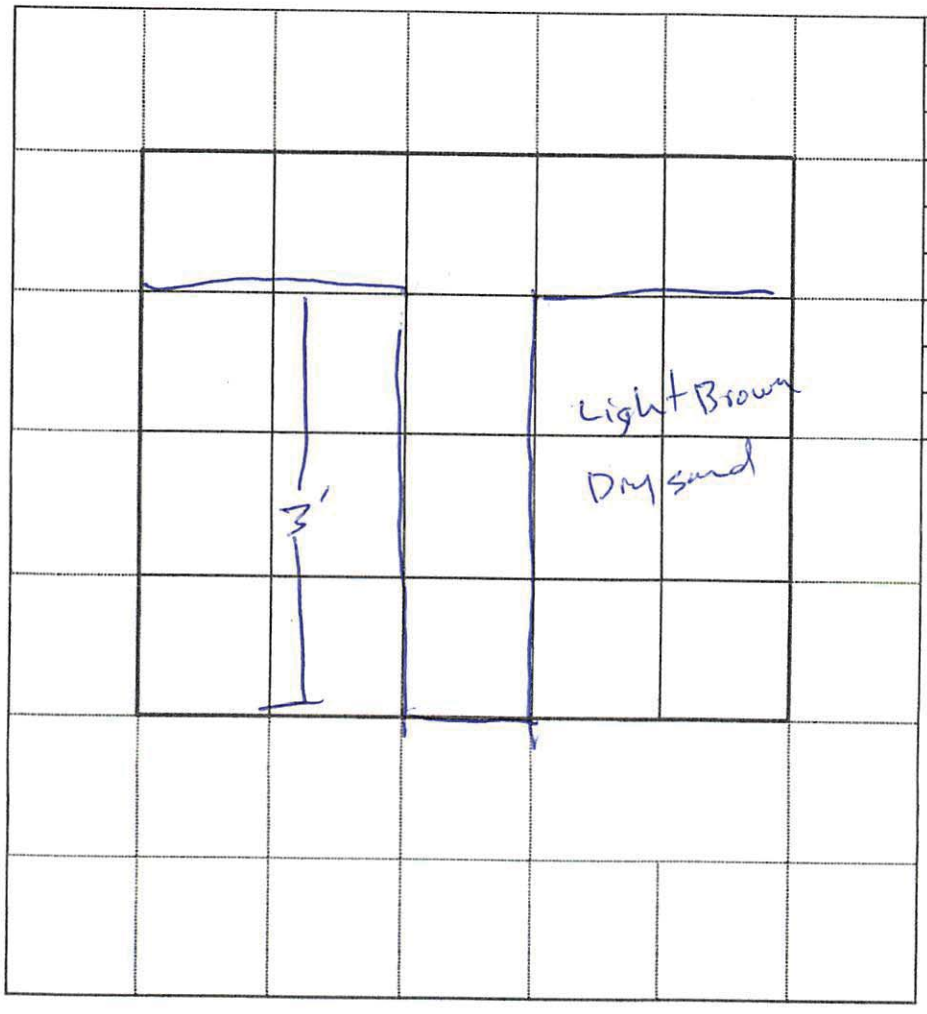
VISIBLE OBSERVATIONS:

SAMPLING PLAN:

36° 30.9478
107° 55.7643

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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ENVIRONMENTAL SPECIALIST: A. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

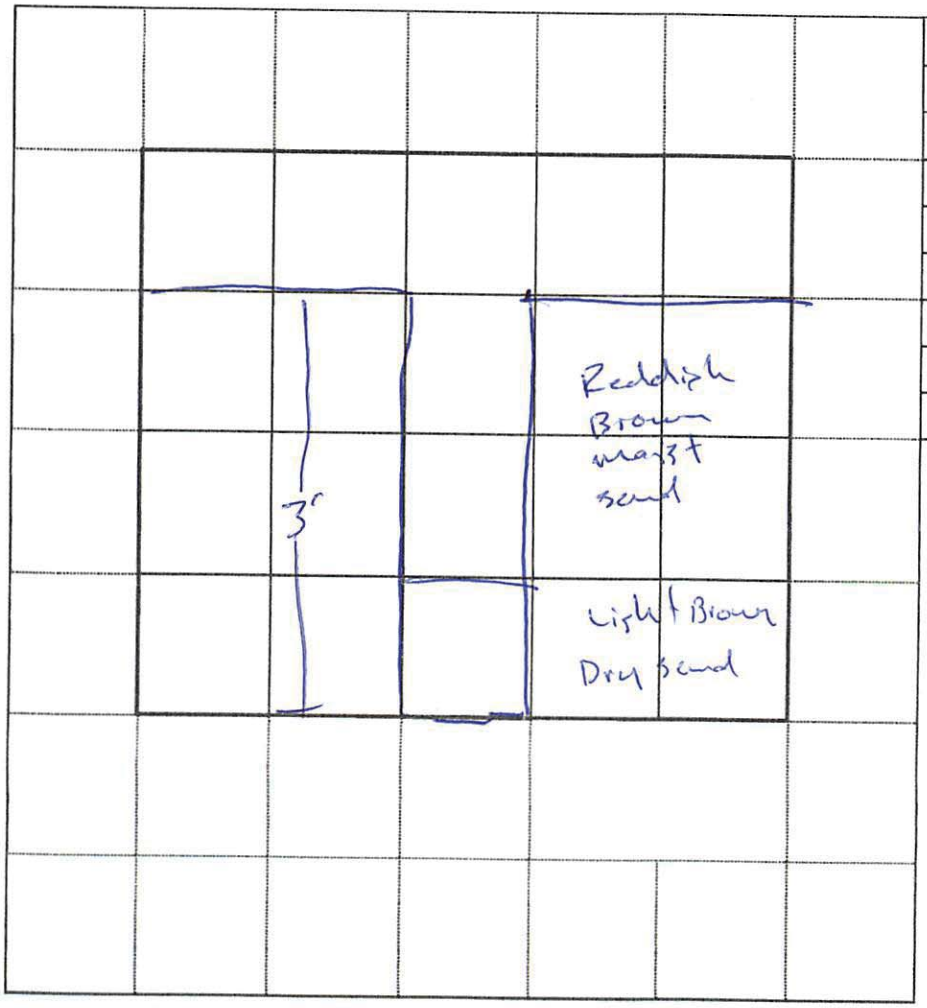
CELL/ SECTION: Area 11-B

SOIL REMEDIATIC
- QUANTITY:
- DIMENSIONS:
- VISIBLE OBSERVATIONS:
- SAMPLING PLAN:

36° 30.9490
107° 55.7448

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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ENVIRONMENTAL SPECIALIST: A. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 11-9

SOIL REMEDIATION:

QUANTITY:

DIMENSIONS:

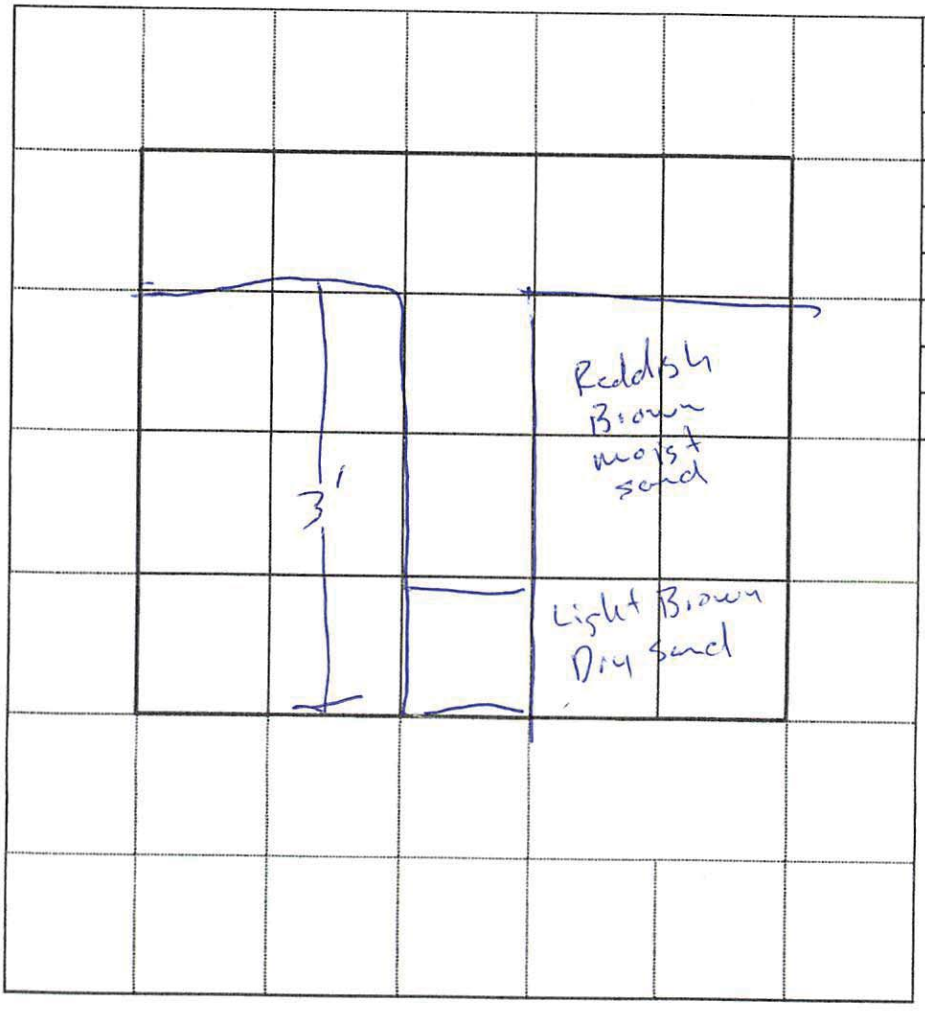
VISIBLE OBSERVATIONS:

SAMPLING PLAN:

36° 30.9293
107° 55.7264

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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ENVIRONMENTAL SPECIALIST: T. Harvey

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

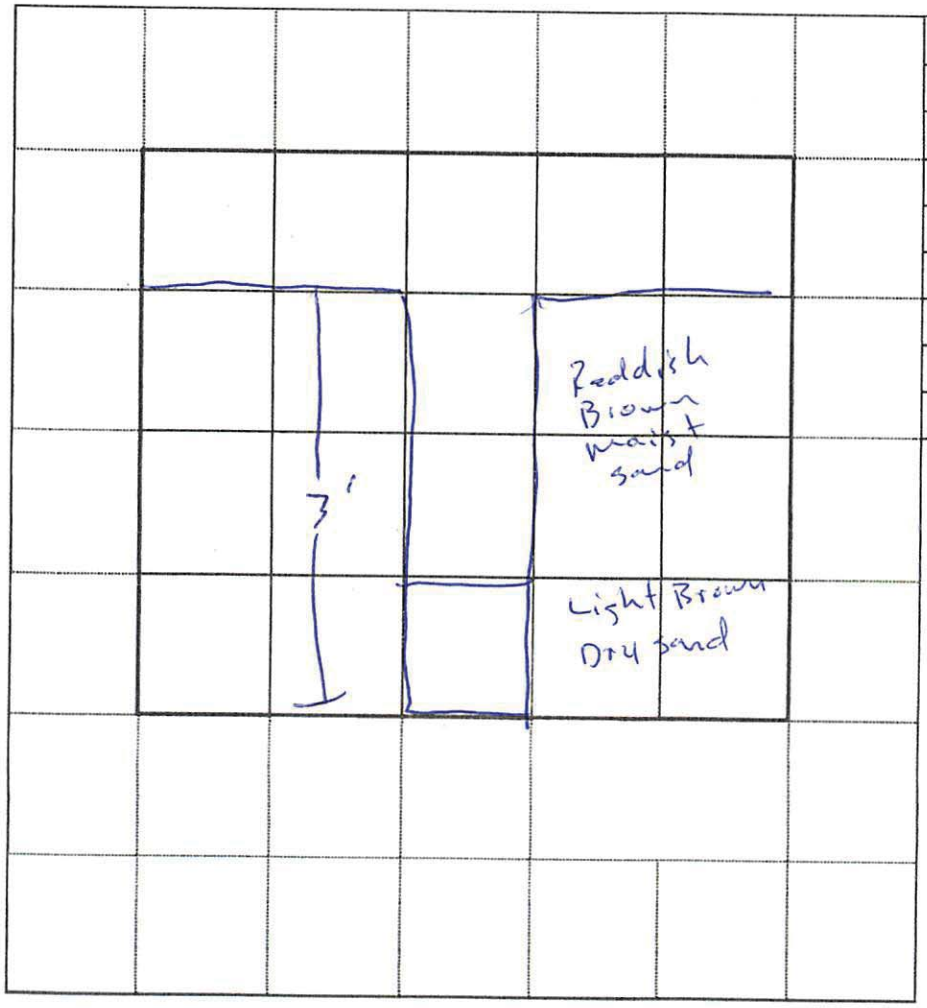
CELL/ SECTION: Area 11-10

SOIL REMEDIATIC
- QUANTITY:
- DIMENSIONS:
- VISIBLE OBSERVATIONS:
- SAMPLING PLAN:

36° 30.9277
107° 55.7455

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
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FACILITY LOCATION: ENVIROTECH. INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 11-11

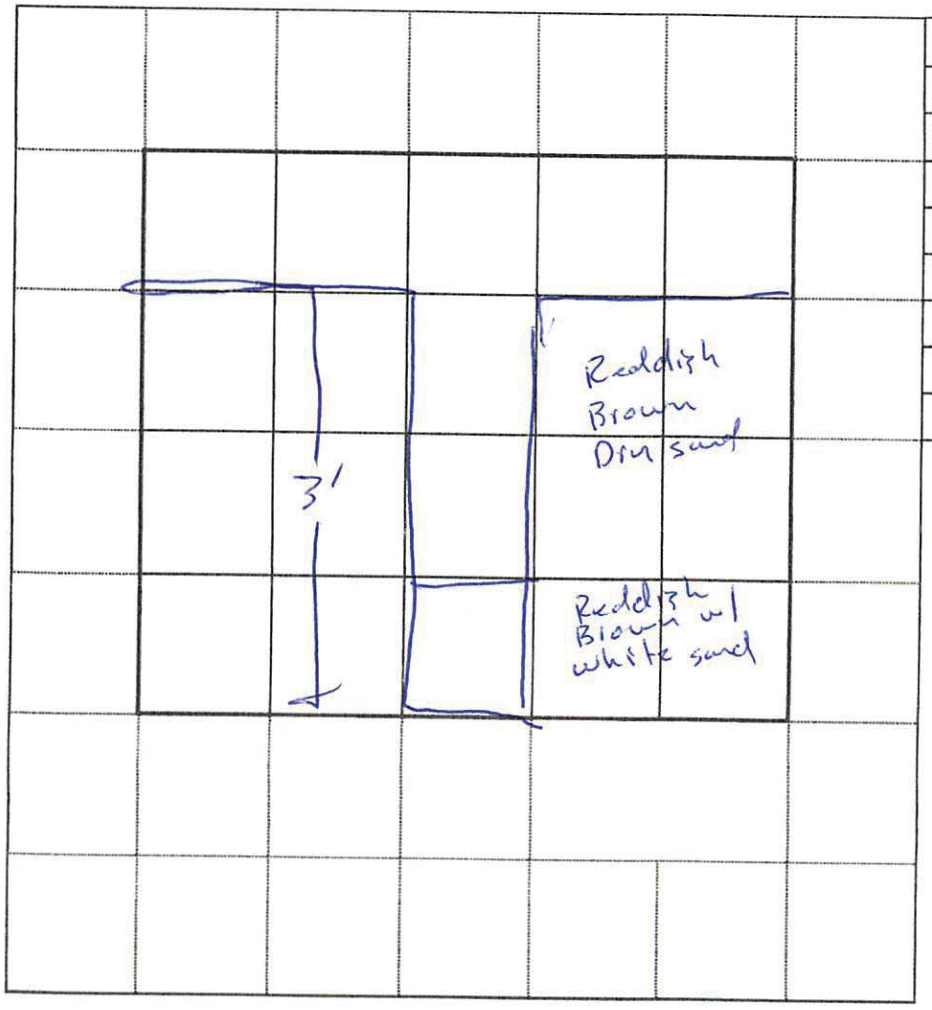
ENVIRONMENTAL SPECIALIST: T. Gonzales

SOIL REMEDIATIC
- QUANTITY:
- DIMENSIONS:
- VISIBLE OBSERVATIONS:
- SAMPLING PLAN:

36° 30.9248
107° 55.7625

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 11-12

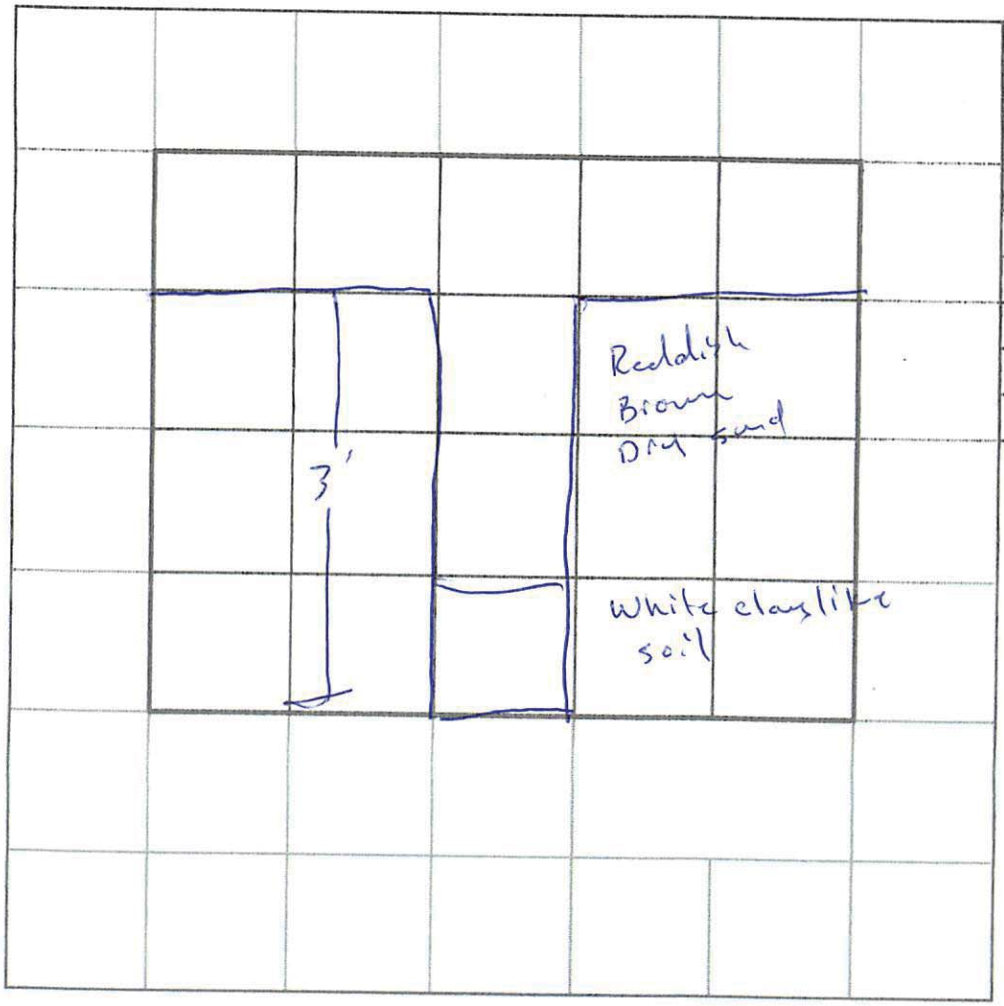
ENVIRONMENTAL SPECIALIST: J. Garcia

SOIL REMEDIATION	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

36° 30.9217
107° 55.7815

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 11-13

ENVIRONMENTAL SPECIALIST: T. Garcia

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

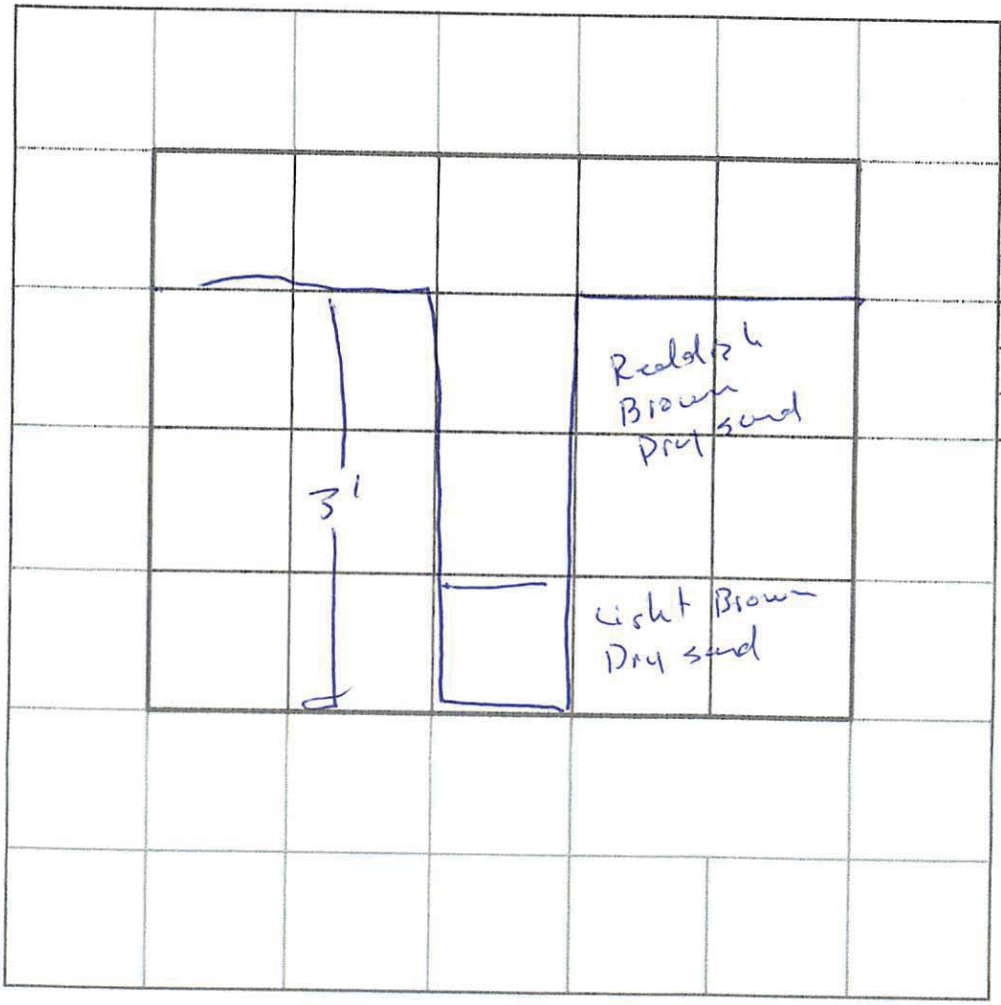
VISIBLE OBSERVATIONS:

SAMPLING PLAN:

36° 30.9182
107° 55.7994

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 11-14

ENVIRONMENTAL SPECIALIST: B. Hurdle

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

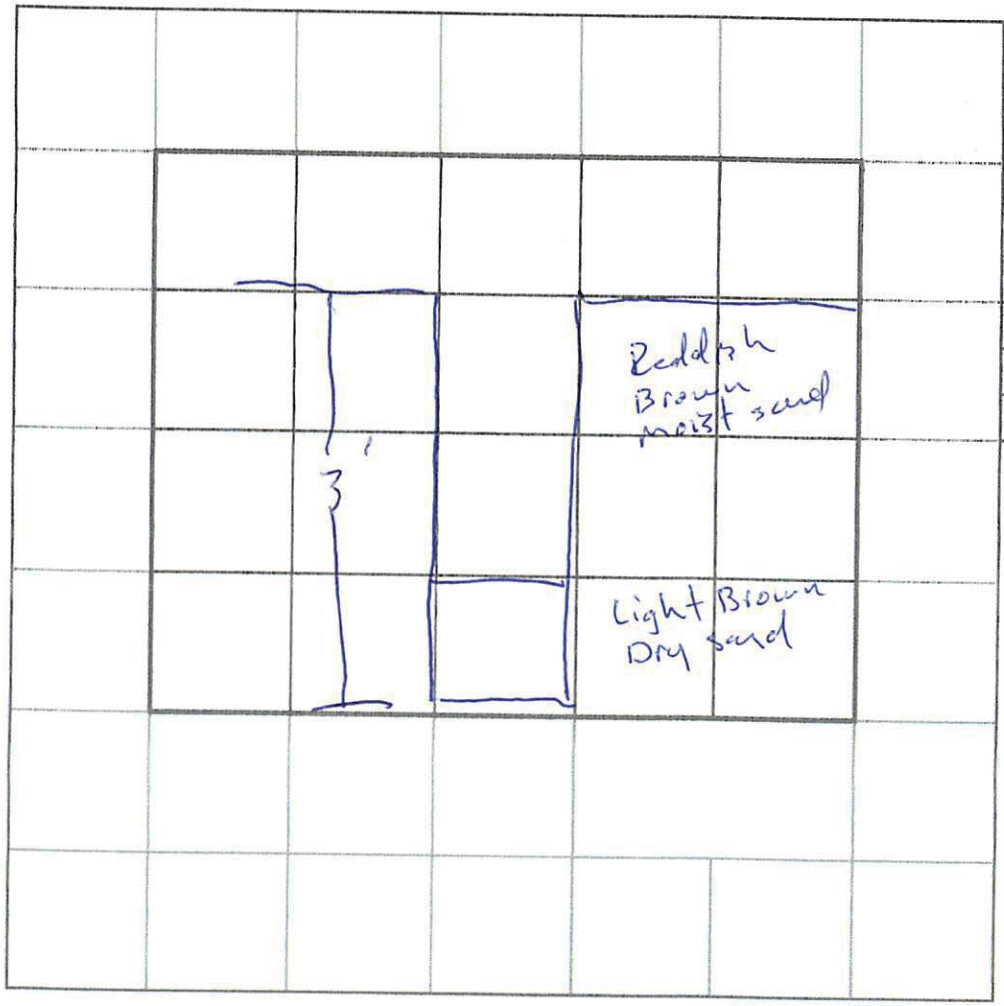
VISIBLE OBSERVATIONS:

SAMPLING PLAN:

36° 30.9603
107° 55.7920

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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ENVIRONMENTAL SPECIALIST: T. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 11 - 15

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

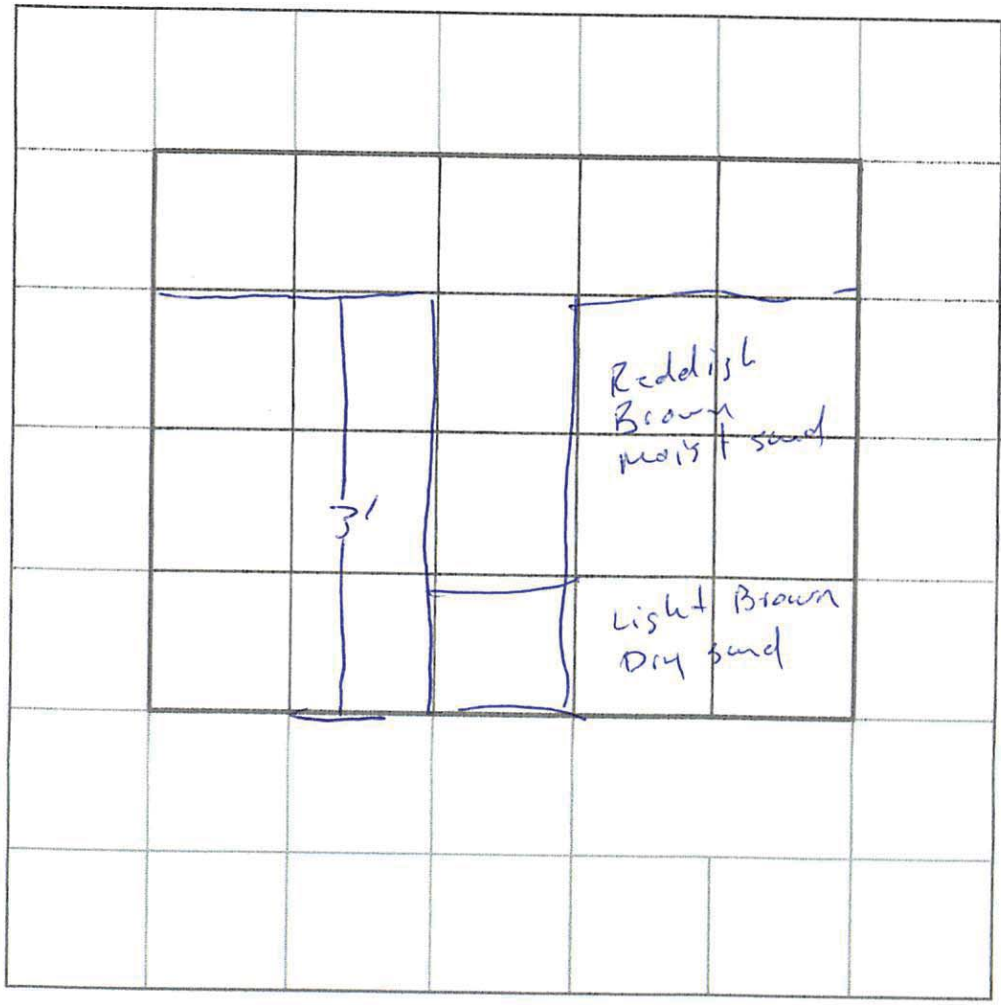
VISIBLE OBSERVATIONS:

SAMPLING PLAN:

36° 30. 9046
107° 55. 7623

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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DATE STARTED: 3/25/16

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ENVIRONMENTAL SPECIALIST: A. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 11-16

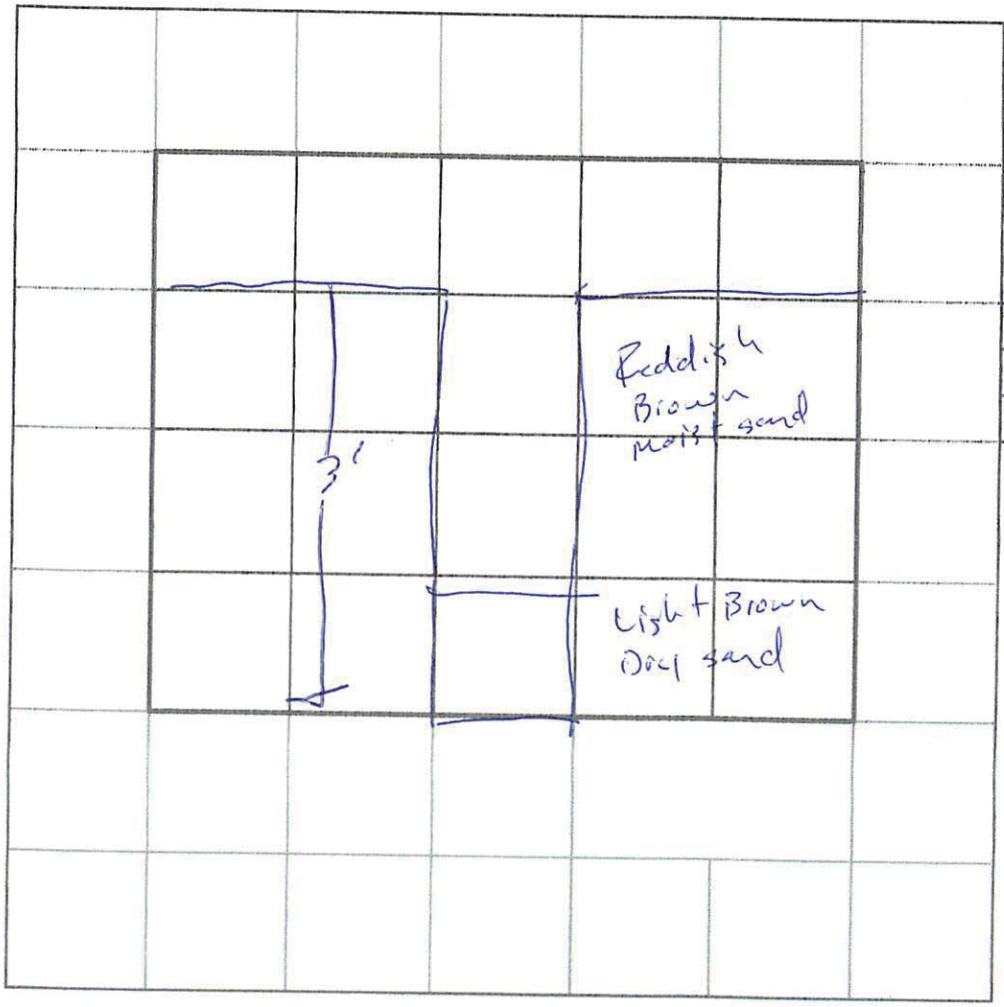
SOIL REMEDIATION	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

36° 30. 8820

107° 55. 7518

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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DATE FINISHED: 3/25/16

ENVIRONMENTAL SPECIALIST: E. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF ~~2~~ 4

CELL/ SECTION: Area 12 #1

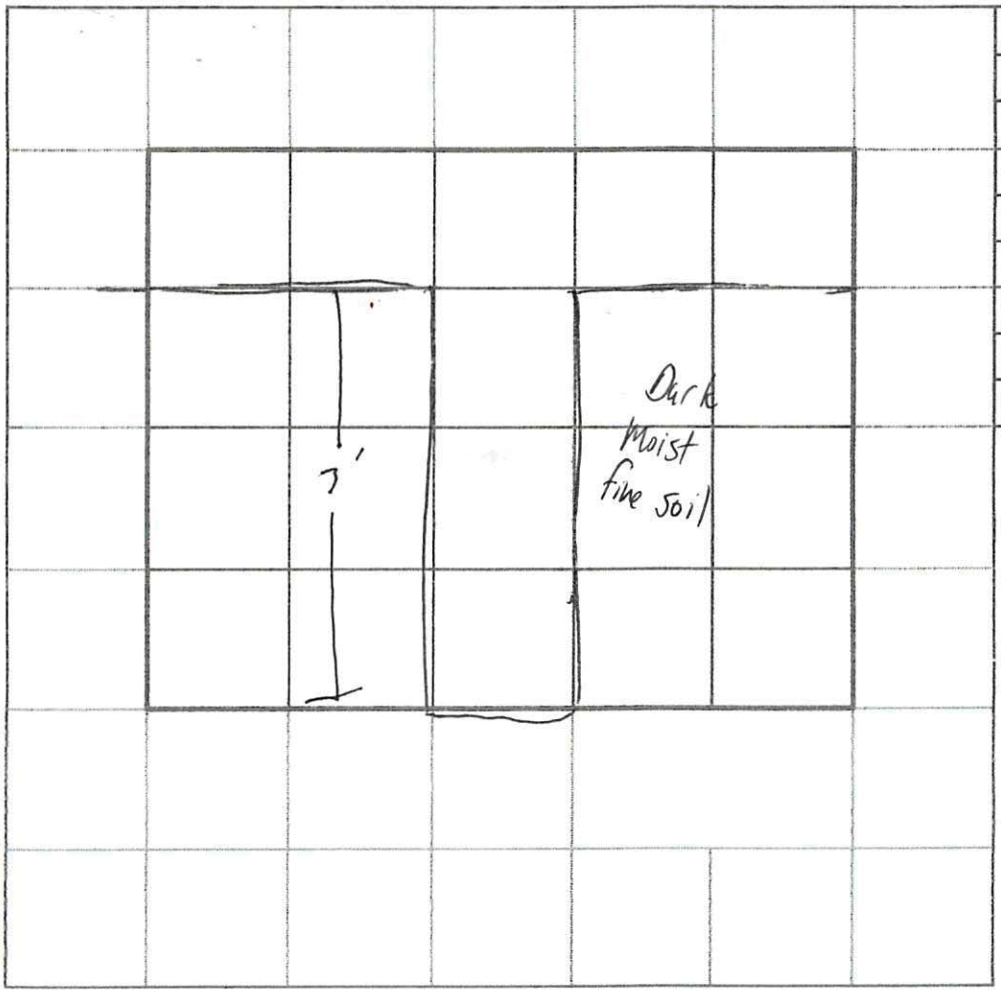
SOIL REMEDIATION	
	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

N 36° 31.2676

W 107° 55.9761

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
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DATE FINISHED: 3/25/16

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF 4

CELL/ SECTION: 12 - #2

ENVIRONMENTAL SPECIALIST: E. Garcia

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

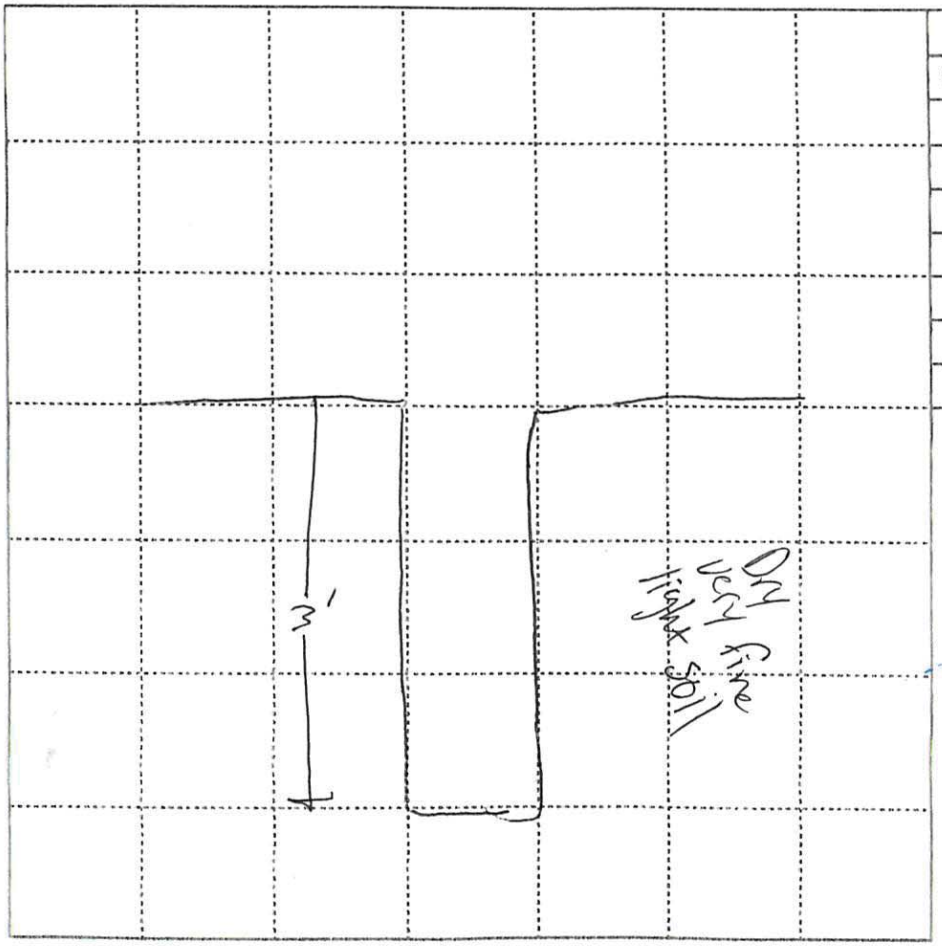
SAMPLING PLAN:

N 36° 31.2646

W 107° 56.0132

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME

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ENVIRONMENTAL SPECIALIST: J. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: 4

CELL/ SECTION: 12-3

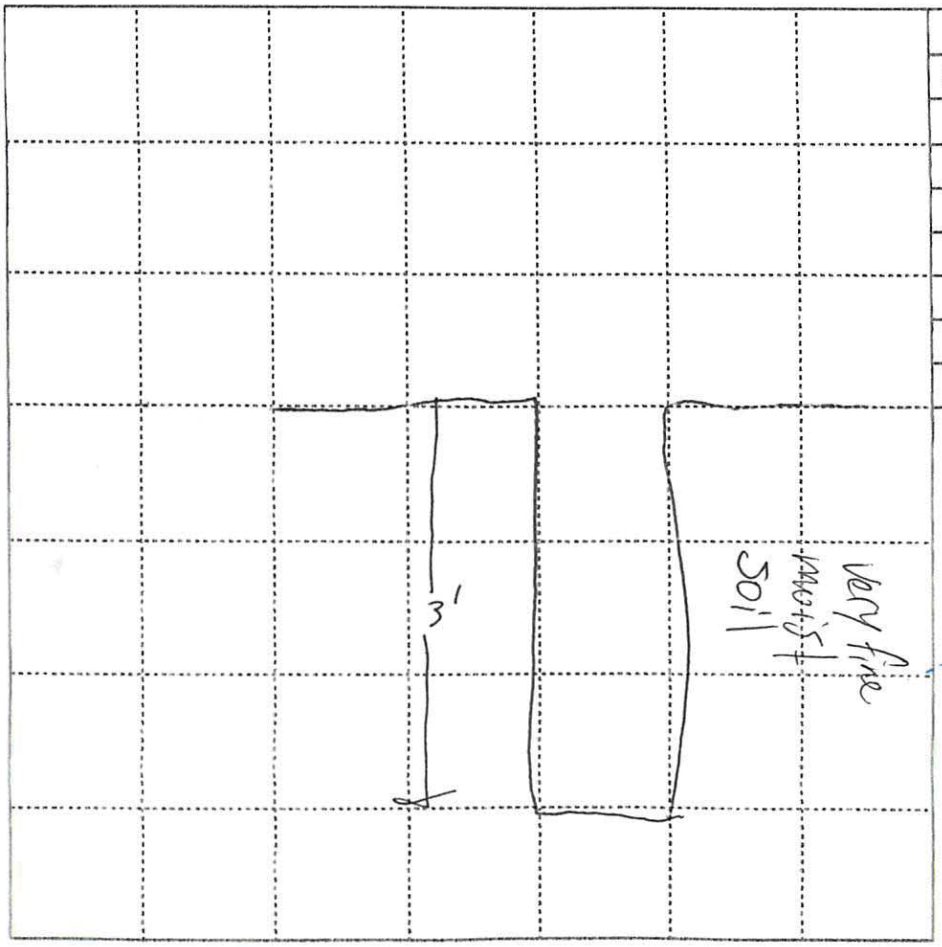
SOIL REMEDIATION	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

N 36° 31.2518

W 107° 56.0007

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME

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FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: 4

CELL/ SECTION: 12-4

ENVIRONMENTAL SPECIALIST: A. Garcia

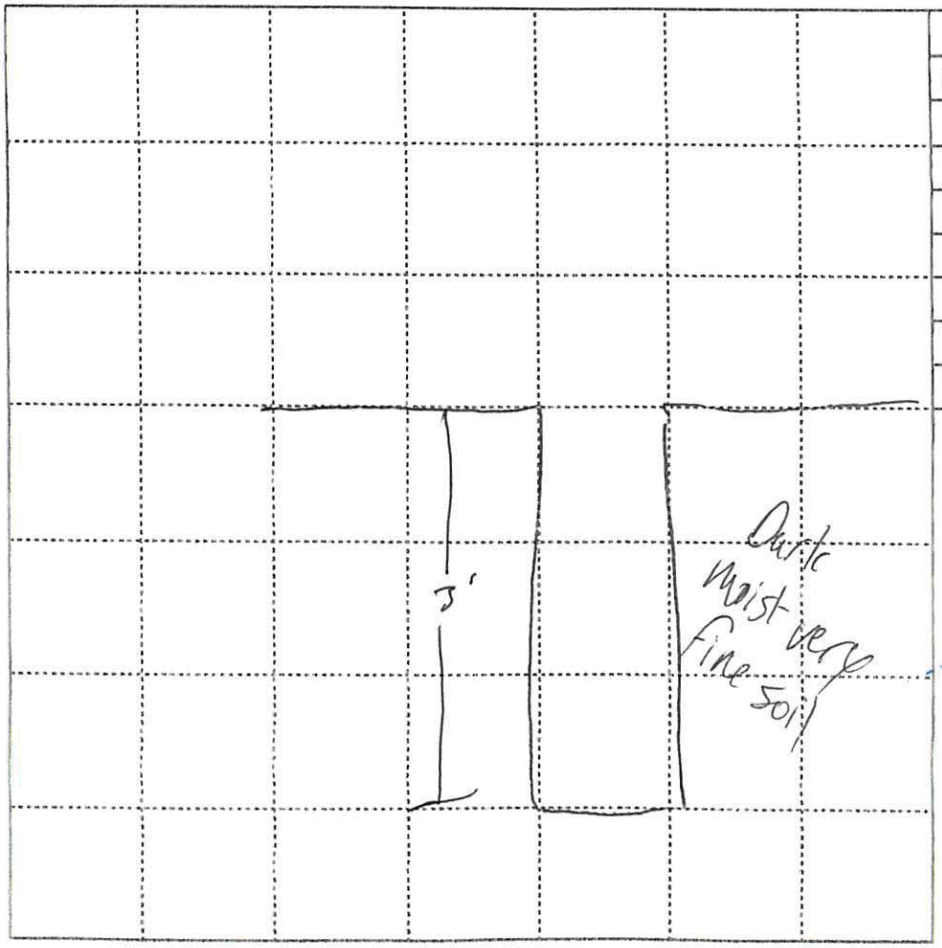
SOIL REMEDIATION	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

N 36° 31. 2276

W 107° 56. 0164

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
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FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: 4

CELL/ SECTION: 12-5

ENVIRONMENTAL SPECIALIST: J. Garcia

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

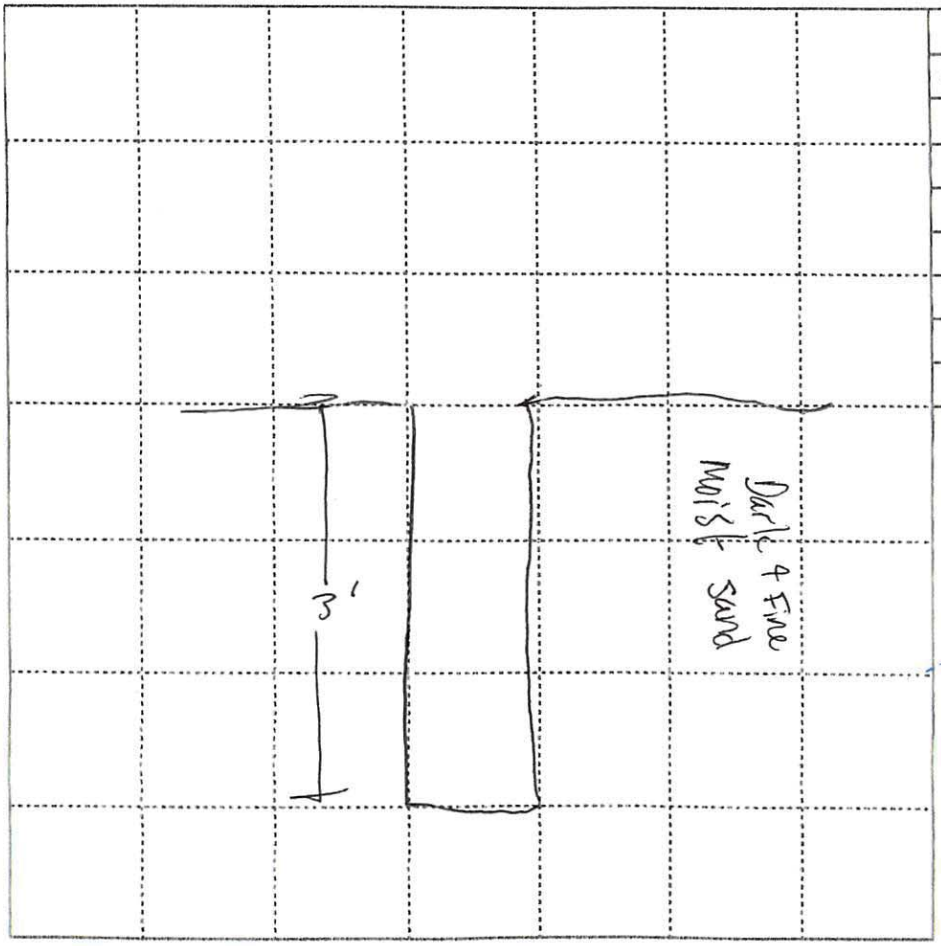
SAMPLING PLAN:

N 36° 31.2227

W 107° 55.9912

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME

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ENVIRONMENTAL SPECIALIST: J. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 12-6

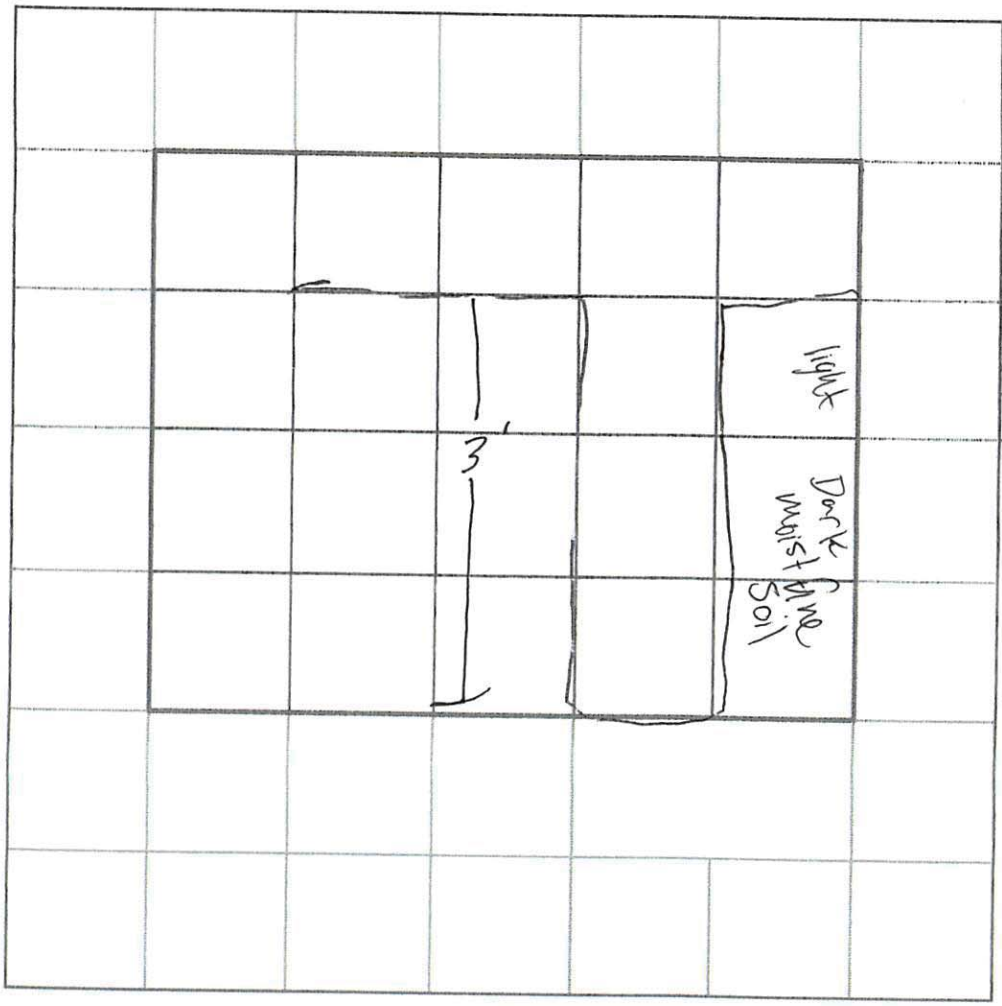
SOIL REMEDIATION	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

36° 31.1686

107° 55.9771

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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ENVIRONMENTAL SPECIALIST: J. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF 4

CELL/ SECTION: Area 12-7

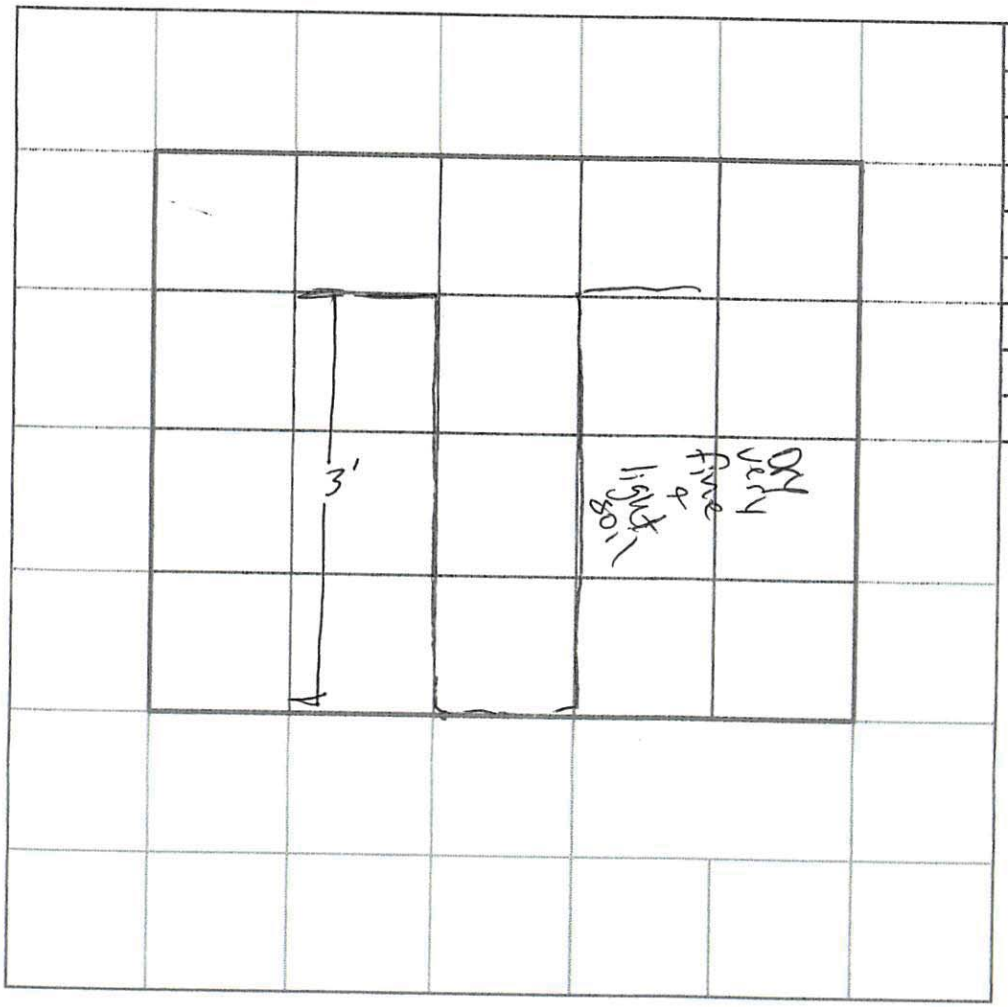
SOIL REMEDIATION	
	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

36° 31.1626

107° 56.0101

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
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ENVIRONMENTAL SPECIALIST: J. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 12-8

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

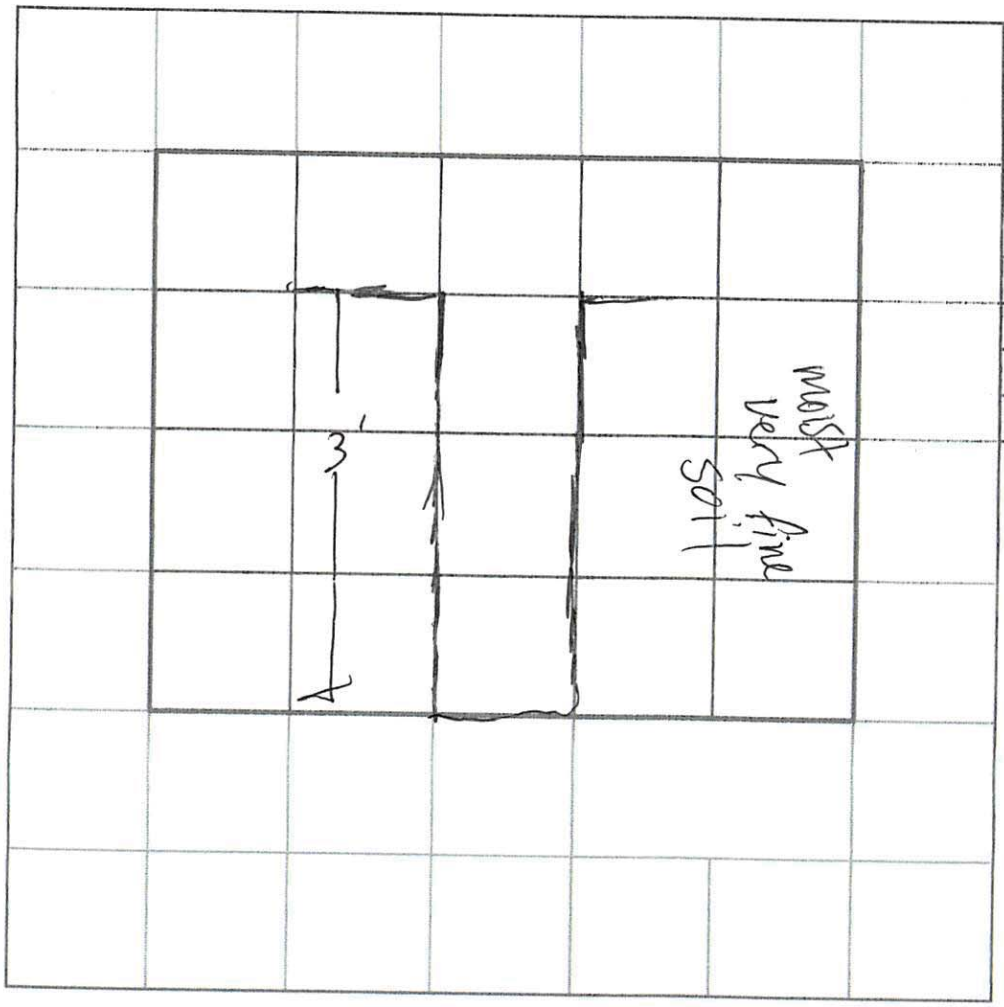
SAMPLING PLAN:

36° 31.1406

107° 56.0142

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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5796 U.S. Hwy 64, Farmington, NM 87401

Project No: 1st Quarter Treatment Zone Sampling

COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

PAGE NO: 1 OF 1

DATE STARTED: 3/25/16

DATE FINISHED: 3/25/16

ENVIRONMENTAL SPECIALIST: J. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 12-9

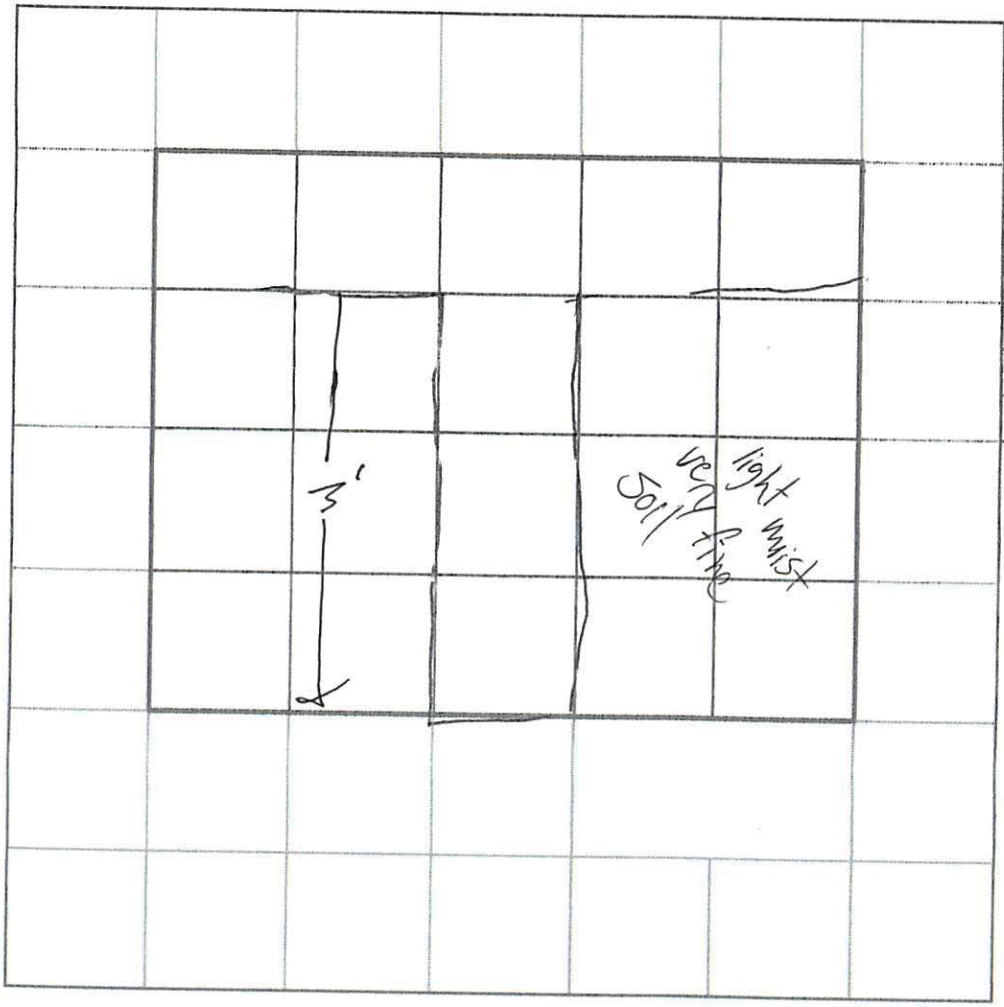
SOIL REMEDIATION	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

36° 31.1378

107° 55.9576

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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PAGE NO: 1 OF 1

DATE STARTED: 3/25/16

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ENVIRONMENTAL SPECIALIST: T. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 12-10

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

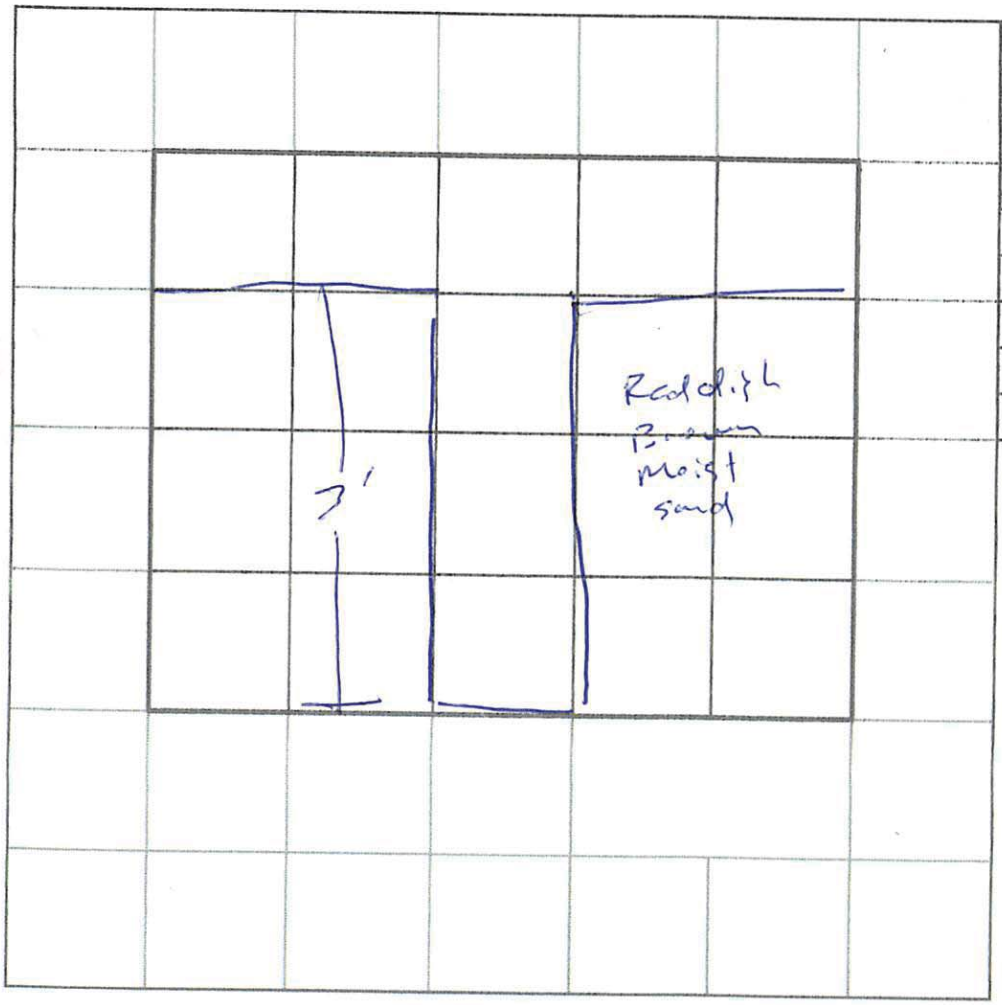
SAMPLING PLAN:

36° 31. 1106

107. 55. 9842

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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PAGE NO: 1 OF 1

DATE STARTED: 3/25/16

DATE FINISHED: 3/25/16

ENVIRONMENTAL SPECIALIST: A. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 12-11

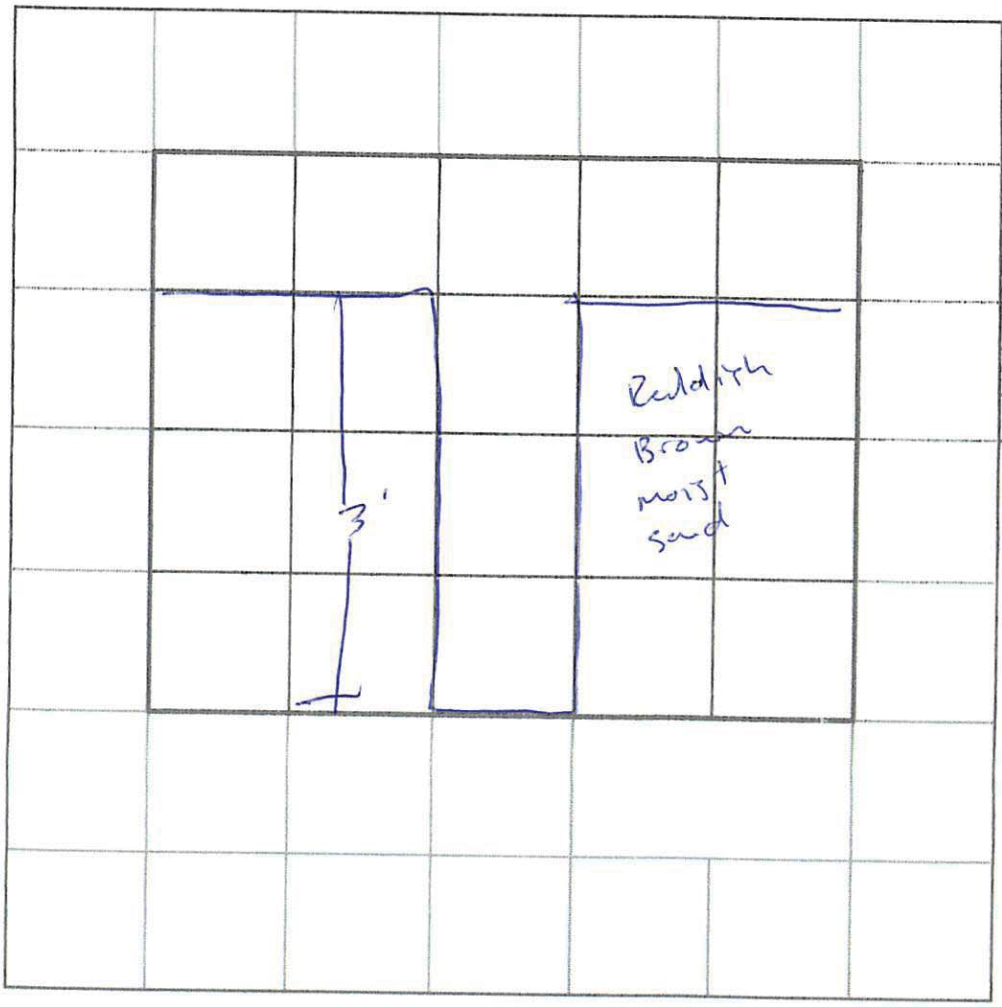
SOIL REMEDIATION	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

36° 31. 1022

107° 56. 0117

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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COC No:

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

PAGE NO: 1 OF 1

DATE STARTED: 3/25/16

DATE FINISHED: 3/25/16

ENVIRONMENTAL SPECIALIST: B. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

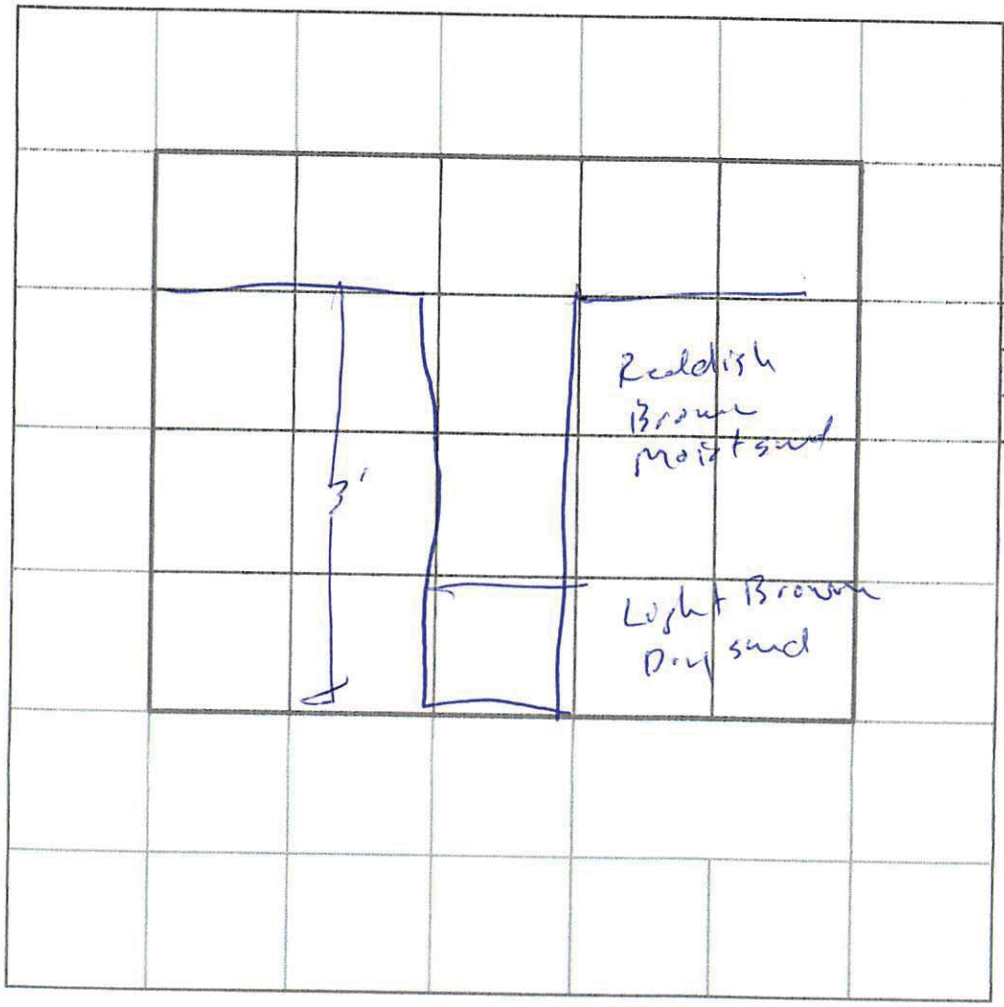
CELL/ SECTION: Area 12-12

SOIL REMEDIATION	QUANTITY:
	DIMENSIONS:
	VISIBLE OBSERVATIONS:
	SAMPLING PLAN:

36° 31.0735
107° 56.0171

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	

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PAGE NO: 1 OF 1

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ENVIRONMENTAL SPECIALIST: E. Garcia

FACILITY LOCATION: ENVIROTECH, INC., LANDFARM

LANDFARM FIELD: LF-4

CELL/ SECTION: Area 12-13

SOIL REMEDIATION

QUANTITY:

DIMENSIONS:

VISIBLE OBSERVATIONS:

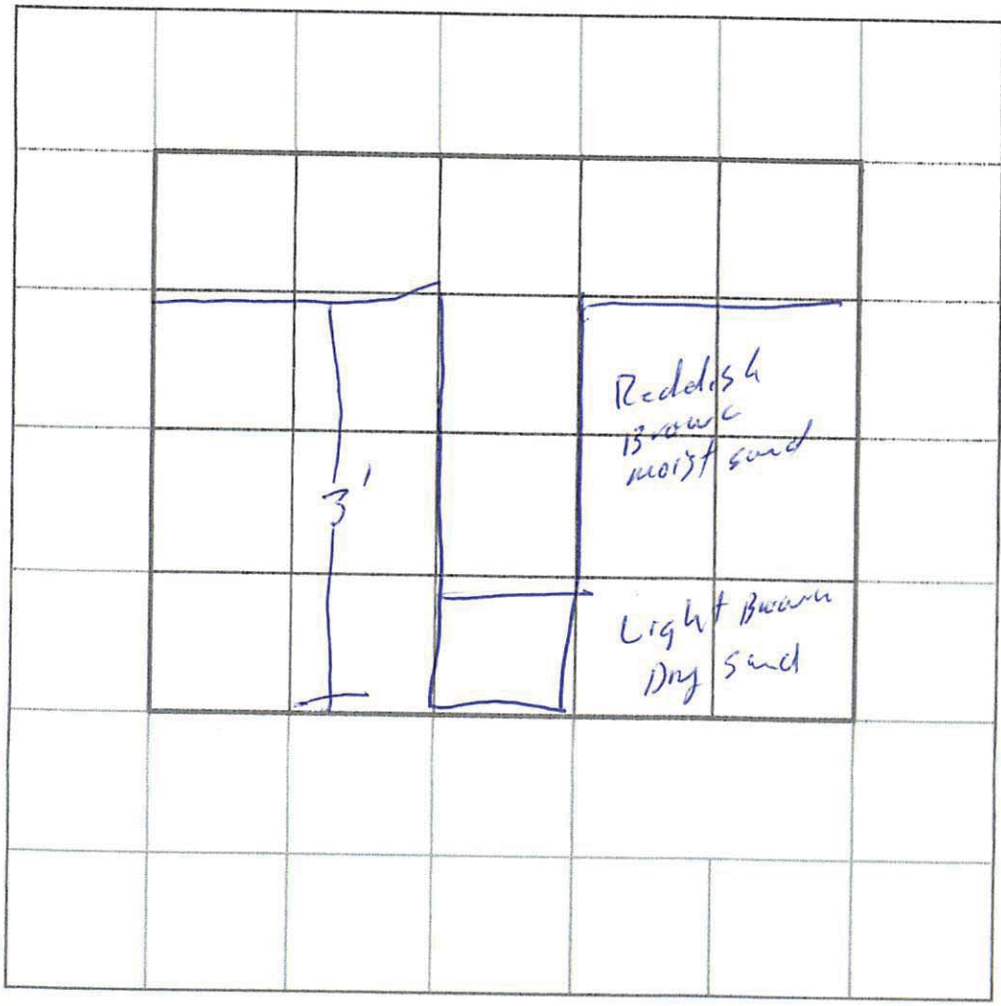
SAMPLING PLAN:

36° 31, 0671

107° 55, 9942

SAMPLE DIAGRAM

GRID SCALE:



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
	8015	
	8021	
	Chlorides	