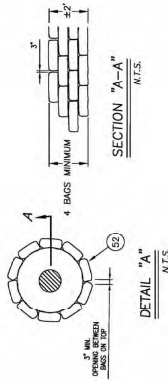
[illegible]

# EROSION CONTROL NOTES

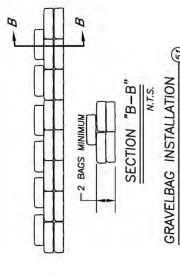
1. IN CASE OF EMERGENCY, CALL: **MIESH PAZEL**  
WORK: (780) 363-3475
2. EQUIPMENT AND MATERIALS FOR EROSION CONTROL SHALL BE AVAILABLE AT ALL TIMES DURING THE MAIN CONSTRUCTION SEASON. NECESSARY MATERIALS SHALL BE AVAILABLE ON SITE FOR EROSION CONTROL MEASURES. EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD. EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
3. WHEN RAIN IS IMMINENT, MOVED OR MODIFIED WITHOUT THE APPROVAL OF THE ENGINEERING DEPARTMENT.
4. EROSION CONTROL MEASURES SHALL BE IN PLACE AT THE END OF EACH WORKING DAY WHEN THE 5-DAY RAIN PROBABILITY FORECAST EXCEEDS 40%.
5. EROSION CONTROL MEASURES SHALL BE REMOVED FROM CHECK BERMS AND DESLTING BASINS, AND GRADED AREAS AROUND THE TRACT PERIMETER MUST DRAIN AWAY FROM THE FACE OF SLOPE AT THE CONCLUSION OF THE WORK.
6. THE CONTRACTOR SHALL BE RESPONSIBLE AND SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT WATER FROM ENTERING THE HAZARDOUS CONDITION. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED AS SHOWN PER PLAN OR AS DIRECTED BY THE CITY INSPECTOR.

## SITE PREPARATION:

1. THE EMBANKMENT FOUNDATION AREA SHALL BE CLEARED OF ALL TREES, ROOTS, BRUSH, Boulders, SOIL, AND DEBRIS.
2. EXCESSIVE ORGANIC MATERIAL SHALL BE REMOVED.
3. ALL STORM DRAIN INLETS SHALL BE CAPPED AND/OR CATCH BASINS SHALL BE INSTALLED WITH FILTER FABRIC HELD DOWN BY SAND BAGS AROUND BASINS.



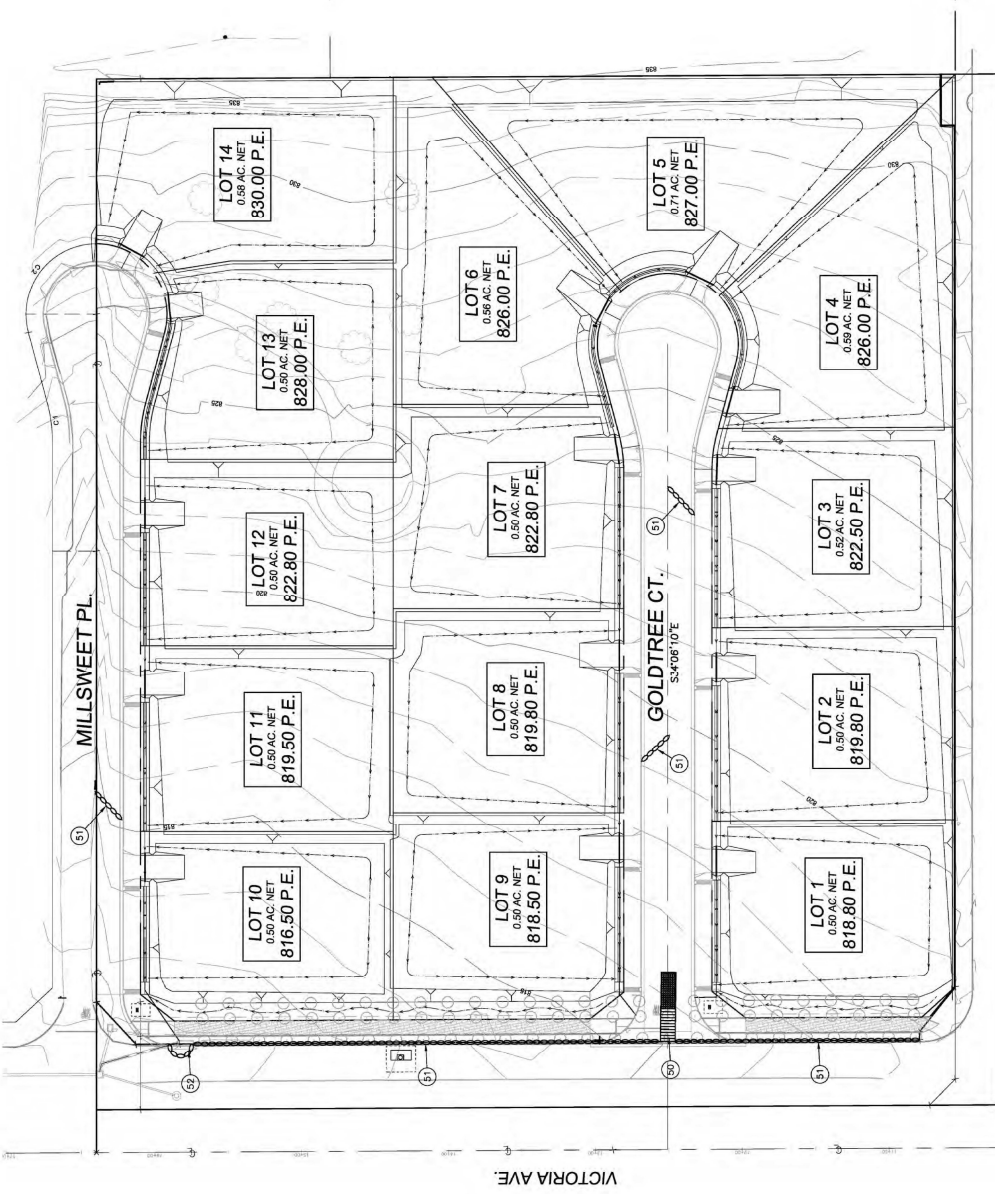
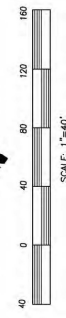
GRAVEL BAG DRAIN PROTECTION (52) N.T.S.



GRAVEL BAG INSTALLATION (57) N.T.S.

## CONSTRUCTION NOTES:

- (56) CONST. STABILIZED ENTRANCE PER DETAIL ON SHT. 5
- (57) INSTALL GRAVEL BAGS PER DETAIL HEREON
- (52) INSTALL GRAVEL BAG PROTECTION PER DETAIL HEREON



**DIG ALERT**  
TOLL FREE  
1-800-227-2600  
48 HOURS BEFORE YOU DIG

**BENCHMARKS:**  
CITY OF RIVERSIDE BLM EPP2 CHISEL SQUARE IN TOP CORNER AT THE SE CORNER OF INDIANA AVE. & TILLAMORE ST.  
ELEV = 728.41'

**CITY OF RIVERSIDE CALIFORNIA PLANNING DIVISION**  
APPROVED BY: \_\_\_\_\_  
DATE: \_\_\_\_\_

**SAKE ENGINEERS, INC.**  
ENGINEERING • SURVEYING • LAND DEVELOPMENT  
1405 S. CALIFORNIA AVE. 2ND FLOOR  
CORONA, CALIFORNIA 92709  
(951) 279-4041

**CITY OF RIVERSIDE BUSINESS TAX ACCOUNT** PW17-DT 7/30/18

**PROFESSIONAL ENGINEER & LAND SURVEYOR**  
C003326  
CITY OF RIVERSIDE

**WDID #8 33C379764**  
EROSION CONTROL PLAN  
TRACT 37784

**CITY OF RIVERSIDE**  
DEPARTMENT OF PUBLIC WORKS  
SA  
APPROVED DATE: \_\_\_\_\_  
APPROVED BY: \_\_\_\_\_

**REVISIONS**

NO.	DATE	DESCRIPTION
1	7/30/18	ISSUED FOR PERMIT

**SCALE: 1"=40'**

**PW17-0496**

**SHEET 4 of 5**

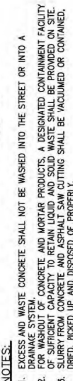
INLET BASIN/INLET PROTECTION



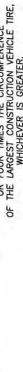
- ## D MATERIAL STORAGE



## CONCRETE WASTE MANAGEMENT



STABILIZED CONSTRUCTION  
ENTRANCE / EXIT TC1



- ### STREET MAINTENANCE
1. REMOVE ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS IMMEDIATELY.
  2. SWEEP PAVED AREAS THAT RECEIVE CONSTRUCTION TRAFFIC WHENEVER SEDIMENT BECOMES VISIBLE.
  3. PAVEMENT WASHING WITH WATER IS PROHIBITED IF IT RESULTS IN A DISCHARGE TO THE STORM DRAIN SYSTEM.

EQUIPMENT  
REPAIR/MAINTENANCE



- NOTES:**
1. LEAKING VEHICLES AND EQUIPMENT SHALL NOT BE ALLOWED ON-SITE. EQUIPMENT AND VEHICLES SHALL BE INSPECTED FREQUENTLY FOR LEAKS AND SHALL BE REPAIRED IMMEDIATELY.
  2. SPILLS AND LEAKS PROMPTLY WITH APPROPRIATE MATERIALS, TO BE REPORTED TO THE WASTE WATER.
  3. VEHICLES AND EQUIPMENT SHALL BE MAINTAINED, AND REPAIRED ONLY IN THE DESIGNATED AREAS. ALL REPAIRS SHALL BE COMPLETED WITHIN 24 HOURS.
  4. CONTAMINATION DEVICES SHALL BE PROVIDED AND AREAS SHALL BE COVERED IF NECESSARY.
  5. DESIGNATE ON-SITE VEHICLE AND EQUIPMENT MAINTENANCE AREAS, AWAY FROM STORED HAZARDOUS WASTE AND WATERSOURCES.
  6. SPILLS AND LEAKS REMOVING SUCH AS A RAIN PAN OR DROP CLOTH, TO CATCH ANY LEAKS.
  7. LEGALLY DISPOSE OF USED OILS, FLUIDS, AND LUBRICANTS.
  8. MAINTAIN APPROPRIATE RECORDS OF SECONDARY CONTAMINATION AREAS, OIL, FUEL, AND CHEMICAL DROPS.
  9. MAINTAIN AN ADEQUATE SUPPLY OF ABSORBENT SILL CLEANUP MATERIALS IN DESIGNATED AREAS.

## STORMWATER POLLUTION

1. BEST MANAGEMENT PRACTICES (BMP'S) CONTAINED HEREIN REFLECT MINIMUM REQUIREMENTS. FOR ADDITIONAL BMP'S REFER TO CALIFORNIA STORMWATER BMP HANDBOOKS.

2. ALL CONSTRUCTION ACTIVITY SHALL BE PERFORMED IN ACCORDANCE WITH A STORMWATER POLLUTION CONTROL PLAN (SWPPP) DEVELOPED AND IMPLEMENTED IN COMPLIANCE WITH REQUIREMENTS OF THE ORANGE COUNTYWIDE STORMWATER QUALITY MANAGEMENT PROGRAM, NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT NO.

3. THE SWQCP SHALL:
  - A. IDENTIFY POTENTIAL POLLUTANT SOURCES AND INCLUDE THE DESIGN AND PLACEMENT OF BMPs TO EFFECTIVELY PROHIBIT THE ENTRY OF POLLUTANTS FROM THE CONSTRUCTION SITE INTO AND ONTO THE STREET AND STORM DRAIN SYSTEM DURING CONSTRUCTION.
  - B. BE KEPT ON SITE AND AMENDED TO REFLECT CHANGING CONDITIONS THROUGHOUT THE COURSE OF CONSTRUCTION.

4. NON-STORMWATER DISCHARGES ARE PROHIBITED FROM ENTERING ANY STORM DRAIN SYSTEM AND/OR STREET.

5. DISCHARGES OF PUMPED GROUND WATER REQUIRE A DISCHARGE PERMIT FROM THE STATE OF CALIFORNIA, REGIONAL WATER QUALITY CONTROL BOARD (RWQCB).
6. PRACTICES SHALL BE DESIGNED TO MINIMIZE DISCHARGES TO THE MAXIMUM EXTENT POSSIBLE.
7. ACCIDENTAL (NOT THROUGH DESIGN OR MALFUNCTION) OF THE SPMPS.
8. A STANDBY GROUP FOR EMERGENCY SHALL BE AVAILABLE AT ALL TIMES DURING CONSTRUCTION OF THE SPMPS.
9. ALL SPMPS SHALL BE LOCATED IN CONCRETE FOUNDATIONS TO FACILITATE PUMP CONSTRUCTION OF EMERGENCY SERVICES WHEN NEAR IS IMMINENT.
10. PORTABLE SANITARY FACILITIES SHALL BE LOCATED ON RELATIVELY LEVEL GROUND AWAY FROM TRAFFIC PAVES, DRAINAGE CORRIDORS, AND SURFACE DRAIN LINES.
11. EMPLOYEES, SUBCONTRACTORS, AND SUPPLIERS SHALL BE EDUCATED ON ALL BMP'S AND CONSTRUCTION BEST MANAGEMENT PRACTICES AND DISPOSAL PROCEDURES.
12. ALL CONSTRUCTION SHALL BE EFFECTUALLY PERFORMED IN A MANNER AS TO MINIMIZE LOAD ON STORMWATER DISCHARGES.

## Kevin Ballesteros | Phase I Project Manager

5261 West Imperial Highway, Los Angeles, California 90045

301-854-6300

[Kevin.Ballesteros@efiglobal.com](mailto:Kevin.Ballesteros@efiglobal.com)

### Professional Summary:

Mr. Ballesteros has been in the environmental industry since 2016. Mr. Ballesteros started his career in the environmental industry researching human impacts on climate change using remote sensing technologies. Currently, Mr. Ballesteros conducts historical research and works with regulatory bodies to investigate historical and current uses of properties as part of the Phase I Environmental Site Assessment. Mr. Ballesteros's **experience includes management** of all stages of environmental projects including Phase I Environmental Site Assessments, Transaction Screen Assessments, and Database Reviews.

### Licenses and Certifications:

OSHA 40-Hour Hazardous Waste Operations Certified, Safety Unlimited, CA #1605141167706

State of California Department of Public Health Lead-Related Construction Certificate ID#32017

### Project Experience:

*Phase I ESA at Montclair, California* - Served as the Project Manager of a Phase I ESA for the entire 60-acre Montclair Plaza Shopping Mall, with several closed unauthorized release cases. This site included retail shops, offices, restaurants, a former automotive repair facility, and two former gasoline service stations. After extensive historical and regulatory agency research, EFI Global, Inc. was able to determine several concerns for the subject property which included: lack of removal and sampling associated with the first generation underground storage tanks of one of the former gasoline station operation, a former dry cleaners operated inside the mall, another automotive repair facility occupied the site, and lack of sampling performed on the automotive repair facility. EFI Global, Inc. was able to advise the property owner of the aforementioned concerns and that additional investigations were warranted prior to redevelopment of the site.

*Phase I ESA at Vernon, California* - Served as the Project Manager of a Phase I ESA for a vacant industrial property with a closed unauthorized release case issued by the City of Vernon, which was formerly part of a larger plastic bottle manufacturing operation. The former industrial facility had undergone numerous subsurface assessments and remedial cleanups dating back to 2008. Thorough historical and regulatory agency research indicated that one 10,000-gallon underground storage tank of unknown content was installed on the subject property. EFI Global, Inc. was able to advise the property buyer that the lack of documentation regarding the removal or sampling of the underground storage tanks was a concern and additional remediation work was warranted prior to redevelopment of the site.

*Phase I ESA at Whittier, California* - Served as the Project Manager of a Phase I ESA for a car wash and automotive repair facility, with former gasoline service station operations and a closed unauthorized release case. During initial project set up and conversations with the property owner during the site reconnaissance, it was believed that no concerns existed on the property. However, historical and regulatory agency research revealed that the property was occupied with four generations of gasoline stations. EFI Global, Inc. was able to advise the property owner that the lack of documentation



regarding the removal or sampling associated with the early generation underground storage tanks at the former gasoline stations were concerns and additional investigations was warranted at the time.

**Professional Experience:**

Andersen Environmental an EFI Global company, Los Angeles, CA, Environmental Specialist, 2016 – Present

University of California Los Angeles Institute of the Environmental and Sustainability, Los Angeles, CA, Research Assistant 2013 – 2015

**Specialized Education:**

Bachelor's Degree in Environmental Studies, University of California Los Angeles, Los Angeles, CA, 2015

**References:**

Nicole Rivera - EFI Global, Inc. - 5261 West Imperial Highway, Los Angeles, CA 90045 - 310.854.6300

Matthew Rodda - EFI Global, Inc. - 5261 West Imperial Highway, Los Angeles, CA 90045 - 310.854.6300

## Raul Gaina | Project Manager, Certification

5261 West Imperial Highway, Los Angeles, California 90045

(310) 854-6300

[Raul.Gaina@efiglobal.com](mailto:Raul.Gaina@efiglobal.com)

### Professional Summary:

Raul Gaina has been engaged in the environmental sector since 2013 with experience in environmental consulting, environmental fieldwork, environmental education, environmental remediation, and water/wastewater treatment. Mr. Gaina has worked directly with clients and regulatory bodies to investigate historical and current site use and help clients achieve compliance with federal regulations for **residential and commercial properties**. **Mr. Gaina's experience includes management of all stages of** environmental projects including Phase I Environmental Site Assessments, Transaction Screen Assessments, and Database Reviews. In addition, Mr. Gaina has provided project oversight of various stages of site characterization and remediation projects including, soil investigation, groundwater monitoring well installation, monitoring well, and underground storage tank abandonment.

### Licenses and Certifications:

Engineer in Training (EIT), Board for Professional Engineers, Land Surveyors, and Geologists  
Certificate No. 479387

OSHA 40-Hour Hazardous Waste Operations and Emergency Response Certified, Safety Unlimited,  
California, Certificate No. 1703145194159

### Project Experience:

JP Morgan Chase Bank, N.A., Dallas, Tx

Phase I Environmental Site Assessment - Henderson, Nevada

Served as the Project Manager of a Phase I ESA for a commercial unit located within larger industrial park. During initial project set up, only the existing subject property address was identified and researched, which did not reveal any items of concern. However, during our site reconnaissance, a groundwater monitoring well was observed within the parking lot area of the subject property, which is indicative of a potential impacted resources at the subject property. Additional historical aerial photograph research revealed that prior to the current development, the subject property and immediately surrounding areas were formerly part of a larger industrial complex with multiple building and above ground storage tanks. After consulting with multiple regulatory agencies, including the Nevada Department of Environmental Protection (NDEP), it was determined that the historical facility was a former manufacturer of ammonium perchlorate – an oxidizer used as a component of solid propellant for rocket fuel. An explosion which destroyed the facility in 1988 resulted in an unauthorized release of perchlorate which impacted groundwater at the subject property and immediately surrounding areas. EFI Global reviewed multiple records, incident reports, correspondence, newspaper clippings, and groundwater monitoring reports on file at the NDEP, Southern Nevada Health Department (SNHD), and Clark County Department of Air Quality (CCDAQ). Based on information obtained from the most recent groundwater monitoring report, EFI Global determined that the concentrations of perchlorate at the subject property were above regulatory standards, which

constituted a Recognized Environmental Condition. However, based on the identification of the responsible party, ongoing remediation activities under the jurisdiction of the NDEP, and low potential for threat to human health due to confinement of the contamination to the groundwater, no further environmental investigation was recommended, and the client was solely advised to continue to adhere to NDEP recommendations and guidance until regulatory closure is obtained.

Pacific Premier Bank, Irvine, California

Phase I Environmental Site Assessment - Westminster, California

Served as the Project Manager for Phase I ESAs for two multi-tenant auto repair facilities. The facilities were both built in the 1960s and have been used for machine shop, spray painting, and auto repair purposes through the present. No records indicating tenants names, property usage, and/or hazardous materials records were available for the properties for the period 1960-1990. Based on the potential use of chlorinated solvents / petroleum hydrocarbons, and storage/handling of hazardous materials, the historical industrial shop, machine shop, and auto repair operations during a period of less stringent regulatory oversight (1965-1990). Additionally, EFI Global determined that an unauthorized release of petroleum hydrocarbons was reported at an adjoining property which bounded both sites. Upon review of the regulatory agency records, it was determined that the contamination on the adjoining site was concentrated in the vicinity of only one of the subject properties and had the potential of only impacting this site. By going above and beyond, review multiple groundwater, sampling, and remediation reports for adjoining properties, EFI Global was able to advise the client of the need to assess the potential impact from this adjoining site to only one of the subject properties instead of both.

### **Professional Experience:**

EFI Global, Inc., Phase I Project Manager, 2017 – present

Smith-Emery GeoServices, Phase I and Phase II Project Manager, 2015 – 2017

Smith-Emery GeoServices, Senior Environmental Specialist, 2014 – 2015

Smith-Emery GeoServices, Environmental Specialist, 2013 – 2014

### **Education:**

Master of Science, Civil and Environmental Engineering, University of California, Los Angeles, California, 2013

Bachelor of Science, Environmental Science, with a Minor in Environmental Engineering, University of California, Los Angeles, California, 2012

### **References:**

Nicole Rivera - EFI Global, Inc. - 5261 West Imperial Highway, Los Angeles, CA 90045 – 310.854.6300

Matthew Rodda - EFI Global, Inc. - 5261 West Imperial Highway, Los Angeles, CA 90045 – 310.854.6300

**Brian R. Brennan | Senior Project Manager**

5909 Sea Lion Drive, Unit H, Carlsbad, California 92010

760-473-5695

[brian.brennan@efiglobal.com](mailto:brian.brennan@efiglobal.com)

**Professional Summary:**

Mr. Brennan has over 20 years of environmental consulting experience. Mr. Brennan qualifies as an Environmental Professional with experience that includes preparing, reviewing and managing all aspects of Phase I and II Environmental Site Assessment (ESA) in commercial real estate transactions and large-scale residential developments following ASTM E 1527-13 and 40 CFR Part 312 (AAI) guidelines. Mr. Brennan has proven skills in planning, managing and executing all phases of small to large scale projects involving soil, soil gas and groundwater investigation and remediation at sites impacted by petroleum hydrocarbons, heavy metals, pesticides, and chlorinated solvents. Mr. Brennan's technical skills include developing, maintaining and meeting project scope and financial responsibilities; coordinating and managing professional staff and subcontractors; reviewing and evaluating environmental data and risk assessment; preparing technical writing documents; and communicating to senior and junior staff, regulatory agencies and clients. Mr. Brennan is an experienced project manager with the ability to oversee professional staff in multiple disciplines and geographic locations; tracking and maintaining schedules, budgets and deliverables; and maintaining current clients, while conducting future business development and marketing. Areas of expertise include:

Phase I/II Environmental Site Assessment

Environmental Site Assessment and Mitigation

Project Management

Data Evaluation

Third Party Review

**Licenses and Certifications:**

OSHA 40-Hour Hazardous Waste Operations Certified

OSHA 8-Hour HAWOPER Annual Refresher

Environmental Professional, per the CFR Title 40, Chapter I, Subchapter J, Part 312, Subpart C, Section 312.21

California Registered Environmental Assessor II (REA-II) No. 07920



### **Project Experience:**

County of Riverside, Economic Development Agency. Former Riverside General Hospital, Riverside, CA. Leaking Underground Storage Tank (LUST) Site Investigation, Remediation and Regulatory Agency (Riverside County DEH) Case Closure.

Gannett Fleming. Former Exide Technologies Facility, City of Industry, CA. Lead-impacted Soil Investigation and Mitigation, and Regulatory Agency (LA County Fire Department) Case Closure.

Standard Pacific Homes. Harmony Gove Village, Master-Planned Community, Escondido, CA. Phase I ESA, Site Investigation, Environmental Monitoring and Sampling, and Regulatory Agency (County of San Diego DEH) Case Closure Associated with Master Planned Community.

KB Home Coastal Inc. Magnolia Trails, Single-family Residential Development, El Cajon, CA. Phase I ESA, Pesticide-Soil Investigation, Remedial Excavation, and Regulatory Agency (County of San Diego DEH) Case Closure.

Dynamic Development Corporation. Proposed Dollar General Store, Imperial, CA. Historical Phase I/II ESA review; LUST Site Investigation and Remediation; and Regulatory Agency (Colorado River Basin Water Quality Control Board) Case Closure.

Heslin Holdings, LLC. Former Mr. Best Cleaners, Oceanside, CA. Former Dry Cleaner Release Site; Chlorinated Solvent Investigation and Mitigation; and Regulatory Agency (County of San Diego) Oversight (closure in-progress).

California Bank & Trust Facility. Commercial Bank Property, Escondido, CA. Site Assessment, Mitigation and Environmental Monitoring, during Redevelopment; and Regulatory Agency (County of San Diego DEH) Case Closure.

Standard Pacific Homes/CalAtlantic Homes/Lennar. Multiple Locations, Southern California. Provided numerous Phase I and II ESA technical services, review and evaluation of previous consultant environmental site assessment and mitigation, soil remediation, and environmental field services related to various Southern California property acquisitions.

KB Home Coastal, Inc. Multiple Locations, Southern California. Provided numerous Phase I and II ESA technical services, review and evaluation of previous consultant environmental site assessment and mitigation, soil remediation, and environmental field services related to various Southern California property acquisitions.

County of Riverside, Economic Development Agency. Multiple Locations, Riverside County. Provided numerous Phase I and II ESA technical services, review and evaluation of previous consultant environmental site assessment and mitigation, soil remediation, and environmental field services throughout the County.

### **Court Qualifications/ Depositions:**

Superior Court of California, County of Riverside / County of Riverside v. Alvin C. Assink, et al., Case No. RIC 512629, July 16, 2012.

Superior Court of California, County of San Diego / Shirey Falls, LP v. Guadalupe and Evangeline Hernandez, Case No. 37-2014-00006580, October 27, 2015.

### **Professional Experience:**

EFI Global, Environmental Senior Project Manager, 2019-Present

EFI Global, Environmental Field Professional, 2018-2019

Environmental Professional/Independent Consultant/Contrator, 2011-2018

EEI, Director, Environmental Services/Senior Project Manager, 2014-2019

Terraphase Environmental Engineering, Senior Project Manager, 2014

EEI, Environmental Senior Project Manager, 2008-2014

EEI, Environmental Project Manager, 2004-2008

EEI, Environmental Staff Scientist, 2000-2004

United States Department of Interior, Yellowstone National Park, Visitor Use Assistance/Wildland Firefighter/GIS Analyst, 2001

City of San Diego, Parks and Recreation, GIS and Environmental Services, Intern, 1999

### **Specialized Education:**

Geographic Information Systems (GIS), ArcGIS , San Diego State University, 2000

The Groundwater Pollution and Hydrology Course, Princeton Groundwater, Inc., 2003

The Remediation Class, Princeton Groundwater, Inc., 2005

Natural Attenuation, Risk Assessment, and Risk-Based Corrective Action (RBCA) Through Applied Groundwater Modeling, National Groundwater Association (NGWA), 2007

California Environmental Quality Act, University of California, San Diego, 2008

### **Education:**

Master of Science, Environmental Engineering, National University, San Diego, California, 2008

Bachelor of Arts, Geography and Environmental Analysis, San Diego State University, San Diego, California, 2000