County of Fresno

DEPARTMENT OF PUBLIC WORKS AND PLANNING
STEVEN E. WHITE, DIRECTOR

Planning Commission Staff Report
Agenda Item No. 6
August 24, 2017

SUBJECT: **Initial Study Application No. 7104 and Unclassified Conditional Use Permit Application No. 3528**

Allow an Interstate Freeway Interchange Commercial Development, including adoption of a Master Plan for said development, comprised of a restaurant, market, automobile fueling station, truck fueling station, laundry facility, shower facility, Liquefied Petroleum Gas (LPG) sales, photovoltaic solar power generation system to provide electricity to the proposed development, and a 149-foot-tall marquee sign on a 10.10-acre parcel in the AE-40 (Exclusive Agricultural, 40-acre minimum parcel size) Zone District.

LOCATION: **The subject parcel is located on the northwest corner of Interstate 5 (I-5) and Nees Avenue, approximately 17 miles west of the nearest city limits of the City of Firebaugh (Sup. Dist. 1) (APN 005-100-47s).**

OWNER: **Millenium Acquisitions, LLC**
APPLICANT: **Shawn Shiralian**

STAFF CONTACT: **Derek Chambers, Planner**
(559) 600-4205

Chris Motta, Principal Planner
(559) 600-4227

RECOMMENDATION:

- Adopt the Mitigated Negative Declaration prepared for Initial Study (IS) Application No. 7104; and
- Adopt the Master Plan prepared for the Interstate Freeway Interchange Commercial Development as detailed in Exhibit Nos. 5, 6, 7, 8 and 11; and
- Approve Unclassified Conditional Use Permit (CUP) No. 3528 with recommended Findings, subject to the Mitigation Measures, Conditions of Approval and Project Notes listed in Exhibit 1; and
- Direct the Secretary to prepare a Resolution documenting the Commission's action.

EXHIBITS:

1. Mitigation Monitoring, Conditions of Approval and Project Notes
2. Location Map
3. Existing Zoning Map
4. Existing Land Use Map
5. Site Plans
6. Floor Plan
7. Elevation Drawings
8. Applicant's Operational Statement
9. Summary of Initial Study Application No. 7104
10. Draft Mitigated Negative Declaration
11. Master Plan Architectural Theme "Contemporary California Style"

SITE DEVELOPMENT AND OPERATIONAL INFORMATION:

Criteria	Existing	Proposed
General Plan Designation	Agriculture/Minor Commercial Interchange in the Westside Freeway Corridor Overlay	No change
Zoning	AE-40 (Exclusive Agricultural, 40-acre minimum parcel size)	No change
Parcel Size	10.10 acres	No change
Project Site	10.10-acre parcel; two water wells	Interstate Freeway Interchange Commercial Development comprised of a restaurant, market, automobile fueling station, truck fueling station, laundry facility, shower facility, Liquefied Petroleum Gas (LPG) sales, 149-foot-tall marquee sign, paved parking area with 94 parking spaces for standard automobiles and 60 parking spaces for trucks and busses accessible from Paul Negra Road via four paved driveways, photovoltaic solar power generation system to provide electricity to the Interstate

Criteria	Existing	Proposed
		Freeway Interchange Commercial Development
Structural Improvements	None	Restaurant, market, automobile fueling station, truck fueling station, laundry facility, shower facility
Nearest Residence	Approximately 3,650 feet northeast of the subject parcel	No change
Surrounding Development	Freeway Commercial Development identified as "Firebaugh Travel Plaza" northwesterly adjacent to the subject parcel (within the County of Merced); California Aqueduct approximately one quarter-mile northeast of the subject parcel; City of Firebaugh approximately 17 miles east of the subject parcel	No change
Operational Features	N/A	See discussion below under the **Background Information** section
Employees	N/A	Restaurant: Up to 24 Market and Fuel Sales: Up to 9 Groundskeepers: Up to 4
Customers	N/A	Restaurant: Approximately 600 per day (arriving in approximately 400 vehicles per day according to Operational Statement), year-round Market and Fuel Sales: Approximately 2,100 per day, year-round
Traffic Trips	N/A	Employees: Up to 74 one-way employee trips per day (37 round trips per day), year-round Restaurant: Up to 800 one-way customer trips per day (400 round trips per day), year-round

Criteria	Existing	Proposed
		Market and Fuel Sales: Up to 4,200 one-way customer trips per day (2,100 round trips per day), year-round
Lighting	N/A	Outdoor lighting at building exteriors and parking area
Hours of Operation	N/A	24 hours per day, year-round

EXISTING VIOLATION (Y/N) AND NATURE OF VIOLATION: N

ENVIRONMENTAL ANALYSIS:

An Initial Study (IS) was prepared for the project by County staff in conformance with the provisions of the California Environmental Quality Act (CEQA). Based on the IS, staff has determined that a Mitigated Negative Declaration is appropriate. A summary of the Initial Study is below and included as Exhibit 9.

Notice of Intent to Adopt a Mitigated Negative Declaration publication date: July 21, 2017

PUBLIC NOTICE:

Notices were sent to seven property owners within 1,320 feet of the subject parcel, exceeding the minimum notification requirements prescribed by the California Government Code and County Zoning Ordinance.

PROCEDURAL CONSIDERATIONS:

An Unclassified Conditional Use Permit (CUP) may be approved only if four Findings specified in the Fresno County Zoning Ordinance Section 873-F are made by the Planning Commission.

Additionally, Zoning Ordinance Section 860 contains regulations for Interstate Freeway Interchange Commercial Development. Further, Zoning Ordinance Section 860-C requires a Master Plan to be submitted for adoption, which shows the character of the proposed development. In this case, the Applicant has submitted an Operational Statement (Exhibit 8) and Plan Sheets (Exhibit Nos. 5, 6, 7 and 11) which provide development details in accordance with Zoning Ordinance Section 860-C, including a "Contemporary California Style" architectural theme as evidenced by Exhibit 11.

The proposed Unclassified CUP cannot be approved unless the proposed Master Plan is adopted.

The decision of the Planning Commission on an Unclassified CUP Application is final, unless appealed to the Board of Supervisors within 15 days of the Commission's action.

BACKGROUND INFORMATION:

This proposal entails construction of an Interstate Freeway Interchange Commercial Development on a 10.10-acre parcel in the AE-40 (Exclusive Agricultural, 40-acre minimum parcel size) Zone District. The subject parcel is currently devoid of structural improvements;

however, two water wells have been constructed thereon. Further, the proposed Interstate Freeway Interchange Commercial Development will be comprised of a restaurant, market, automobile fueling station, truck fueling station, laundry facility, shower facility, Liquefied Petroleum Gas (LPG) sales, photovoltaic solar power generation system to provide electricity to the proposed development, 149-foot-tall marquee sign, and paved parking area with 94 parking spaces for standard automobiles and 60 parking spaces for trucks and busses accessible from Paul Negra Road via four paved driveways.

The subject parcel is located at the northwest quadrant of Interstate Highway 5 and Nees Avenue, which is southeasterly adjacent to the border between the County of Fresno and the County of Merced. Additionally, the subject parcel is located within a predominately agricultural area with limited development. Further, the City of Firebaugh is located approximately 17 miles east of the subject parcel, the California Aqueduct is located approximately one quarter-mile to the northeast, and an existing Freeway Commercial Development identified as "Firebaugh Travel Plaza" is northwesterly adjacent to the subject parcel, within the County of Merced.

Finding 1: *That the site of the proposed use is adequate in size and shape to accommodate said use and all yards, spaces, walls and fences, parking, loading, landscaping, and other features required by this Division, to adjust said use with land and uses in the neighborhood.*

	Current Standard:	**Proposed Operation:**	**Is Standard Met (y/n)**
Setbacks	Regulations for Interstate Freeway Interchange Commercial Development (Ordinance Section 860-E.1.d): Yards shall be adequate in width and depth to provide for planned landscaping and to ensure safe sign distance for interchange traffic	See Site Plans provided for this proposal	Yes
Parking	Regulations for Interstate Freeway Interchange Commercial Development (Ordinance Section 860-E.4 refers to Ordinance Section 836.5-I.1): At least two square feet of off-street parking for each one square-foot of gross floor space California Building Code: At least one parking space for the physically handicapped per every 25 parking spaces at a facility	Paved parking area with 89 standard parking spaces (113 parking spaces including automobile fueling station), 60 parking spaces for trucks and busses (70 parking spaces including truck fueling station), and five parking spaces for the physically handicapped	No (two additional parking spaces for the physically handicapped are required; however, parking requirements will be further reviewed for approval during the mandatory

	Current Standard:	Proposed Operation:	Is Standard Met (y/n)
			Site Plan Review)
Lot Coverage	No requirement	No requirement	N/A
Space Between Buildings	Six feet minimum (75 feet minimum between human habitations and structures utilized to house animals)	50 feet between automobile fueling station and market structure	Yes
Wall Requirements	No requirement	No requirement	N/A
Septic Replacement Area	100 percent	Sewage Feasibility Report submitted by O.S.T. System Designs, Inc. indicates the subject parcel can support an On-site Wastewater Treatment System (OWTS) for the proposed Interstate Freeway Interchange Commercial Development. Specific design and capacity details for the OWTS shall be submitted to the County of Fresno and the California Regional Water Quality Control Board for review and approval prior to issuance of building permits for each structure connecting to the OWTS.	Yes
Water Well Separation	Septic tank: 50 feet; Disposal field: 100 feet; Seepage pit: 150 feet	No change	Yes

Reviewing Agency/Department Comments:

Zoning Section of the Fresno County Department of Public Works and Planning: Proposed improvements satisfy the setback requirements prescribed by Zoning Ordinance Section 860-E.1.d, which regulates development of Interstate Freeway Interchange Commercial projects. Completion of a Site Plan Review (SPR) is required for the proposed development per Zoning Ordinance Section 860-F. This mandatory requirement has been included as a Project Note.

No other comments specific to the adequacy of the site were expressed by reviewing Agencies or Departments.

Analysis:

Staff review of the Site Plans demonstrates that the proposed improvements satisfy the setback requirements prescribed by Zoning Ordinance Section 860-E.1.d, which regulates development of Interstate Freeway Interchange Commercial projects.

With regard to off-street parking for Interstate Freeway Interchange Commercial Developments, Ordinance Section 860-E.4 refers to Ordinance Section 836.5-I.1, which requires at least two square feet of off-street parking for each one square-foot of gross floor space. Further, California Building Code requires the provision of at least one parking space for the physically handicapped per every 25 parking spaces at a facility. In this case, the proposed Interstate Freeway Interchange Commercial Development will have 12,894 square feet of gross floor space within the building to be utilized for the restaurant, market, laundry facility and shower facility. Considering that a standard parking space is 162 square feet (minimum dimensions for standard parking space is 9 feet by 18 feet), the proposed Interstate Freeway Interchange Commercial Development needs to have at least 160 total parking spaces, seven of which need to be provided for the physically handicapped. The Applicant proposes to provide 89 standard parking spaces (113 parking spaces if the automobile fueling station is included), 60 parking spaces for trucks and busses (70 parking spaces if the truck fueling station is included), and five parking spaces for the physically handicapped. As such, two additional parking spaces for the physically handicapped are required; however, parking requirements will be further reviewed for approval during the mandatory Site Plan Review.

Based on the above information, and with adherence to the mandatory Site Plan Review (SPR) requirement, staff believes that the subject parcel is adequate in size and shape to accommodate the proposed use. Conditions of the SPR may include: design of parking and circulation areas, access, on-site grading and drainage, fire protection, landscaping, signage and lighting.

Recommended Conditions of Approval:

None.

Conclusion:

Finding 1 can be made.

Finding 2: *That the site for the proposed use relates to streets and highways adequate in width and pavement type to carry the quantity and kind of traffic generated by the proposed use.*

		Existing Conditions	Proposed Operation
Private Road	No	N/A	No change
Public Road Frontage	Yes	Paul Negra Road: Very poor condition Interstate Highway 5: Unknown	No change
Direct Access to Public Road	Yes	N/A	Paul Negra Road: Four paved driveways

		Existing Conditions	Proposed Operation
Road ADT		Paul Negra Road: 1,200 Interstate Highway 5: Unknown	See discussion below under the **Traffic Trips** section
Road Classification		Paul Negra Road: Local Interstate Highway 5: N/A	No change
Road Width		Paul Negra Road: 60-foot total existing right-of-way Interstate Highway 5: Unknown	No change
Road Surface		Paul Negra Road: Paved (pavement width: 40.3 feet) Interstate Highway 5: Paved (unknown pavement width)	No change
Traffic Trips		N/A	Employees: Up to 74 one-way employee trips per day (37 round trips per day), year-round Restaurant: Up to 800 one-way customer trips per day (400 round trips per day), year-round Market and Fuel Sales: Up to 4,200 one-way customer trips per day (2,100 round trips per day), year-round
Traffic Impact Study (TIS) Prepared	Yes	N/A	TIS prepared by Peters Engineering Group includes analysis of the Interstate Highway 5 northbound and southbound ramp intersections at Nees Avenue; traffic index analysis of Nees Avenue between the northbound ramps and southbound ramps and west of the southbound

		Existing Conditions	Proposed Operation
			ramps; and merge/diverge analyses of Interstate Highway 5 ramps at Nees Avenue. TIS determined Sunday afternoon to be the study time period; study time period was then analyzed for Existing Conditions; Existing plus Project Conditions; Existing plus Approved and Pending Projects plus Project Conditions; Cumulative (Year 2037) without Project Conditions; and Cumulative (Year 2037) with Project Conditions.
Road Improvements Required		N/A	Prior to opening day of the Interstate Freeway Interchange Commercial Development, placement of a two-inch (2") Hot Mix Asphalt (HMA) overlay shall be required on Nees Avenue and Paul Negra Road between the subject parcel and the Interstate Highway 5 northbound ramps. Such work shall also require replacement of traffic striping and dig-out of failed areas of pavement prior to placement of the two-inch (2") overlay.

Reviewing Agency/Department Comments:

California Department of Transportation (Caltrans): The proposed Interstate Freeway Interchange Commercial Development will cause a significant traffic impact by increasing the Traffic Index (TI) on Nees Avenue between the subject parcel and the Interstate Highway 5 northbound ramps by a significant amount (at least 0.5).

Design Division of the Fresno County Department of Public Works and Planning: The Design Division concurs with the mitigation requirement identified by the Road Maintenance and Operations Division of the Fresno County Department of Public Works and Planning.

Development Engineering Section of the Fresno County Department of Public Works and Planning: Paul Negra Road is a County-maintained road classified as a Local road. The minimum total width for a Local road right-of-way is 60 feet. A ten-foot by ten-foot corner cutoff

shall be maintained for sight distance purposes at any driveway accessing Paul Negra Road. An Encroachment Permit shall be required from the Road Maintenance and Operations Division for any work performed within the County right-of-way. These mandatory requirements have been included as Project Notes.

Road Maintenance and Operations Division of the Fresno County Department of Public Works and Planning: Impacts associated with the increased Traffic Index (TI) on Nees Avenue to be caused by the proposed Interstate Freeway Interchange Commercial Development shall be mitigated by requiring the placement of a two-inch (2") Hot Mix Asphalt (HMA) overlay on Nees Avenue and Paul Negra Road between the subject parcel and the Interstate Highway 5 northbound ramps prior to opening day of the proposed Interstate Freeway Interchange Commercial Development. Such work shall also require replacement of traffic striping and dig-out of failed areas of pavement prior to placement of the two-inch (2") overlay. This requirement has been included as a Mitigation Measure to reduce adverse transportation and traffic impacts from the subject proposal to a less than significant level.

No other comments specific to the adequacy of streets and highways were expressed by reviewing Agencies or Departments.

Analysis:

The project site is a 10.10-acre parcel located at the northwest quadrant of Interstate Highway 5 (I-5) and Nees Avenue; however, said parcel has frontage on I-5 and Paul Negra Road, as Nees Avenue terminates at the eastern boundary of I-5. Further, the proposed Interstate Freeway Interchange Commercial Development will utilize a proposed paved parking area accessible from Paul Negra Road via four proposed paved driveways.

With regard to traffic, the proposed Interstate Freeway Interchange Commercial Development will generate up to 74 one-way employee trips per day (37 round trips per day), year-round; up to 800 one-way restaurant customer trips per day (400 round trips per day), year-round; and up to 4,200 one-way market/fuel customer trips per day (2,100 round trips per day), year-round.

This proposal was reviewed by the California Department of Transportation (Caltrans) and the Design Division of the Fresno County Department of Public Works and Planning, both of which agencies determined that a Traffic Impact Study (TIS) was needed to effectively evaluate potential traffic-related impacts associated with the proposed Interstate Freeway Interchange Commercial Development. In accordance with this determination, a TIS was prepared for the proposal by Peters Engineering Group.

The TIS prepared for the proposed Interstate Freeway Interchange Commercial Development by Peters Engineering Group includes analysis of the Interstate Highway 5 northbound and southbound ramp intersections at Nees Avenue; traffic index analysis of Nees Avenue between the northbound ramps and southbound ramps and west of the southbound ramps; and merge/diverge analyses of Interstate Highway 5 ramps at Nees Avenue. The TIS determined Sunday afternoon to be the study time period, after concluding 24-hour traffic counts from Thursday, September 15, 2016 through Sunday, September 18, 2016. The study time period was then analyzed for Existing Conditions; Existing plus Project Conditions; Existing plus Approved and Pending Projects plus Project Conditions; Cumulative (Year 2037) without Project Conditions; and Cumulative (Year 2037) with Project Conditions.

According to Caltrans, the proposed Interstate Freeway Interchange Commercial Development will cause a significant traffic impact by increasing the Traffic Index (TI) on Nees Avenue between the subject parcel and the Interstate Highway 5 northbound ramps by a significant amount (at least 0.5). Further, according to the Road Maintenance and Operations Division of the Fresno County Department of Public Works and Planning, impacts associated with this increase in TI shall be mitigated by requiring the placement of a two-inch (2") Hot Mix Asphalt (HMA) overlay on Nees Avenue and Paul Negra Road between the subject parcel and the Interstate Highway 5 northbound ramps prior to opening day of the proposed Interstate Freeway Interchange Commercial Development. Such work shall also require replacement of traffic striping and dig-out of failed areas of pavement prior to placement of the two-inch (2") overlay. This requirement has been included as a Mitigation Measure to reduce adverse transportation and traffic impacts from the subject proposal to a less than significant level.

Based on the above information, and with adherence to the transportation-related Mitigation Measure and Project Notes discussed in this Staff Report, staff believes that the streets in proximity to the project site will be adequate to accommodate the proposed use.

Recommended Conditions of Approval:

See recommended Conditions of Approval attached as Exhibit 1.

Conclusion:

Finding 2 can be made.

Finding 3: *That the proposed use will have no adverse effect on abutting property and surrounding neighborhood or the permitted use thereof.*

Surrounding Parcels				
	Size:	Use:	Zoning:	Nearest Residence:
North	N/A	Merced County	N/A	N/A
South	4.94 acres	Vacant	AE-40	None
East	40.74 acres	Field crops	AE-40	None
West	21.91 acres	Vacant	AE-40	None

Reviewing Agency/Department Comments:

Building and Safety Section of the Fresno County Department of Public Works and Planning: If approved, plans related to construction and development of the project prepared by a licensed design professional shall be submitted to the Development Services Division of the Fresno County Department of Public Works and Planning for review and approval in order to acquire building and installation permits, and necessary inspections. This mandatory requirement has been included as a Project Note.

California Regional Water Quality Control Board (Water Board): Operation of the On-site Wastewater Treatment System (OWTS) proposed for the Interstate Freeway Interchange Commercial Development requires compliance with the General Waste Discharge

Requirements for Small Domestic Wastewater Treatment Systems, which requires the operator to submit a complete Report of Waste Discharge to the Water Board at least 140 days prior to operation of the OWTS. This mandatory requirement has been included as a Project Note.

Development Engineering Section of the Fresno County Department of Public Works and Planning: According to FEMA FIRM Panel 1375H, the project site is not subject to flooding from the 1%-chance storm (100-year storm). Any additional run-off generated by development cannot be drained across property lines, and must be retained on site per County Standards. An Engineered Grading and Drainage Plan demonstrating how additional storm water run-off generated by the project will be handled without adversely impacting adjacent properties shall be provided to the Development Engineering Section of the Fresno County Department of Public Works and Planning for review and approval in order to acquire building and installation permits for the proposal. A Grading Permit or Voucher shall be required for any grading activity associated with this proposal. These mandatory requirements have been included as Project Notes.

Fresno County Department of Agriculture (Agricultural Commissioner's Office): The project site is located in an area of agricultural land uses. As such, prior to occupancy, the owner of the subject property shall acknowledge the inconveniencies and discomforts associated with agricultural land uses. This requirement has been included as a Condition of Approval, and shall be satisfied by the owner of the subject property entering into a Covenant with the County of Fresno acknowledging that the property owner is aware of the Fresno County Right-to-Farm Notice (Fresno County Ordinance Code Sections 17.04.100 and 17.72.075).

Fresno County Sheriff's Department: No objections to the proposal.

San Joaquin Valley Unified Air Pollution Control District (Air District): This proposal is subject to Air District Rule 9510 (Indirect Source Review) and may also be subject to the following Air District Rules: Regulation VIII (Fugitive PM10 Prohibitions), Rule 4102 (Nuisance), Rule 4601 (Architectural Coatings), and Rule 4641 (Cutback, Slow Cure, and Emulsified Asphalt). These requirements have been included as Project Notes. An Air Impact Assessment was completed for the proposal resulting in mitigation associated with construction record maintenance.

San Luis Water District: The Applicant has not requested a Municipal and Industrial (M&I) Water Permit from the San Luis Water District; however, the Applicant should be aware that the San Luis Water District will not issue a M&I Water Permit for the proposed Interstate Freeway Interchange Commercial Development.

Fresno County Fire Protection District (Fire District): The subject parcel is located within the State Responsibility Area (SRA) for control and suppression of wildland fire. Any development associated with this proposal shall comply with the California Code of Regulations Title 24 – Fire Code. This mandatory requirement has been included as a Project Note.

Fresno County Department of Public Health, Environmental Health Division: The Sewage Feasibility Report prepared for the proposed Interstate Freeway Interchange Commercial Development by O.S.T. System Designs, Inc. indicates the subject parcel can support an On-site Wastewater Treatment System (OWTS) for the proposed Interstate Freeway Interchange Commercial Development. Specific design and capacity details for the OWTS shall be submitted to the County of Fresno and the California Regional Water Quality Control Board for review and approval prior to issuance of building permits for each structure connecting to the OWTS. Further, the design, construction, and operation of the OWTS shall include the use of advanced treatment to reduce Biological Oxygen Demand (BOD) and nitrate levels in the

wastewater. Specifications for grey water and black water treatment shall be clearly identified and addressed in the design of the OWTS. These requirements have been included as Mitigation Measures to reduce adverse wastewater disposal impacts from the subject proposal to a less than significant level.

Prior to issuance of building permits for each food facility, the Applicant shall submit complete food facility plans and specifications to the Fresno County Department of Public Health, Environmental Health Division, for review and approval. Prior to operation of the proposed Interstate Freeway Interchange Commercial Development, the operator shall apply for and obtain a permit to operate a food facility from the Fresno County Department of Public Health, Environmental Health Division. These mandatory requirements have been included as Project Notes.

Prior to any alcoholic beverage sales, the Applicant shall obtain a License to do so from the California Department of Alcoholic Beverage Control. This mandatory requirement has been included as a Project Note.

Facilities proposing to use and/or store hazardous materials and/or hazardous wastes shall meet the requirements set forth in the California Health and Safety Code (HSC), Division 20, Chapter 6.95, and the California Code of Regulations (CCR), Title 22, Division 4.5. Further, any business that handles hazardous materials or hazardous waste above the following State reporting thresholds may be required to submit a Hazardous Materials Business Plan pursuant to the HSC, Division 20, Chapter 6.95: 1) 55 gallons of liquid material; 2) 500 pounds of solid material; 3) 200 cubic feet of compressed gas; or 4) the threshold planning quantity for extremely hazardous substances. All hazardous waste shall be handled in accordance with requirements set forth in the CCR, Title 22, Division 4.5, which addresses proper labeling, storage and handling of hazardous wastes. These mandatory requirements have been included as Project Notes.

The California Aboveground Petroleum Storage Tank Act requires a Spill Prevention Control and Countermeasure Plan (SPCC) for aboveground petroleum storage tanks with storage capacity greater than or equal to 1,320 gallons. This storage capacity refers to the aggregate capacity of all aboveground tanks and containers at a facility. This mandatory requirement has been included as a Project Note.

State Water Resources Control Board, Division of Drinking Water: The proposed Interstate Freeway Interchange Commercial Development requires a public water system classified as a Non-Transient Non-Community Water System, which requires permitting by the State Water Resources Control Board, Division of Drinking Water. The Applicant shall submit a permit application, technical report, application fee, and construction plans for the well and water distribution system to the State Water Resources Control Board, Division of Drinking Water for review and approval prior to construction and operation of the required water system. As a public water system, the Applicant must be able to demonstrate adequate technical, managerial and financial capacity to operate and maintain the water system in compliance with all State and federal regulations. An assessment of the technical, managerial and financial capacity of the proposed water system shall be included with the permit application submitted to the State Water Resources Control Board, Division of Drinking Water. The Applicant shall also demonstrate to the State Water Resources Control Board, Division of Drinking Water that the well proposed to provide drinking water meets drinking water standards. These mandatory requirements have been included as Project Notes.

United States Fish and Wildlife Service (USFWS): The subject parcel contains vegetation indicative of habitat suitable for the federally-listed as endangered San Joaquin Kit Fox, Blunt-Nosed Leopard Lizard and Giant Kangaroo Rat. Additionally, the presence of all these listed species has been documented within five miles of the subject parcel. An Endangered Species Habitat Assessment prepared for this proposal by Colibri Ecological Consulting, LLC resulted in Mitigation Measures pertaining to San Joaquin Kit Fox, American Badger, Burrowing Owl and nesting birds.

No other comments specific to land use compatibility were expressed by reviewing Agencies or Departments.

Analysis:

The subject parcel is located at the northwest quadrant of Interstate Highway 5 and Nees Avenue, which is southeasterly adjacent to the border between the County of Fresno and the County of Merced. Additionally, the subject parcel is located within a predominately agricultural area with limited development. Further, the City of Firebaugh is located approximately 17 miles east of the subject parcel, the California Aqueduct is located approximately one quarter-mile to the northeast, and an existing Freeway Commercial Development identified as "Firebaugh Travel Plaza" is northwesterly adjacent to the subject parcel, within the County of Merced.

Interstate Highway 5 (I-5) is designated as a Scenic Highway in the Fresno County General Plan. Although General Plan Policy OS-L.3 typically requires intensive land use proposals to be developed with a 200-foot natural open space area adjacent to the Scenic Highway, Policy OS-L.3 also allows this 200-foot natural open space setback requirement to be modified in instances where any one of the following conditions exist: 1) topographic or vegetative characteristics preclude the 200-foot setback; 2) topographic or vegetative characteristics provide visual screening of buildings and parking areas from the Scenic Highway; 3) property dimensions preclude the 200-foot setback; or 4) the proposed development involves expansion of an existing facility or expansion of an existing concentration of uses.

In this case, typical application of General Plan Policy OS-L.3 would preclude development on the eastern half of the subject parcel; however, Conditional Use Permit (CUP) Application No. 3528 proposes development throughout the subject parcel. As such, the developer of the proposed Interstate Freeway Interchange Commercial Development shall provide drought-tolerant landscaping along the eastern property line of the subject parcel. Since the amount of landscaping needed to satisfy this requirement will exceed 500 square feet, the developer of the proposed Interstate Freeway Interchange Commercial Development shall comply with California Code of Regulations Title 23, Division 2, Chapter 2.7 Model Water Efficient Landscape Ordinance (MWELO). Further, said landscaping shall be maintained in healthful condition and shall consist of trees and shrubs of reasonable size and density to provide visual screening. This landscaping requirement has been included as a Condition of Approval. Additionally, the design of the required landscaping shall be reviewed for approval during the mandatory Site Plan Review (SPR). Conditions of the SPR may include: design of parking and circulation areas, access, on-site grading and drainage, fire protection, landscaping, signage and lighting.

The subject parcel is located in a designated Water-Short Area and is currently devoid of structural improvements; however, a Private water well and a Public water well have been permitted and constructed thereon. Further, according to the Well Completion Report prepared for the Public water well, said well has an estimated yield of 300 gallons of water per minute. According to the Operational Statement provided for this project, it is estimated that the proposed Interstate Freeway Interchange Commercial Development will utilize approximately 26,179 gallons of water per day.

Prior to completion of the mandatory Site Plan Review (SPR), the Applicant shall submit for any permits required by the State Water Resources Control Board, Division of Drinking Water for operation of a Non-Transient Non-Community Water System. Additionally, the Applicant shall comply with State mandatory permitting requirements as listed in the Project Notes for Unclassified Conditional Use Permit No. 3528. Further, proof of acceptance by the State regarding the design of the Non-Transient Non-Community Water System, and authorization from the State to operate the Non-Transient Non-Community Water System must be provided to the County prior to granting occupancy to the proposed Interstate Freeway Interchange Commercial Development. These requirements have been included in a Mitigation Measure to reduce adverse utility and service system impacts from the subject proposal to a less than significant level.

Based on the above information, and with adherence to the Mitigation Measures, recommended Conditions of Approval and mandatory Project Notes identified in the Initial Study (IS) prepared for this project and discussed in this Staff Report, staff believes that the proposal will not have an adverse effect upon surrounding properties.

Recommended Conditions of Approval:

See recommended Conditions of Approval attached as Exhibit 1.

Conclusion:

Finding 3 can be made.

Finding 4: That the proposed development is consistent with the General Plan.

Relevant Policies:	**Consistency/Considerations:**
General Plan Policy LU-D.4: County shall generally limit Commercial Interchange development to one square-mile of land centered on the freeway interchange.	The subject parcel is located within one square-mile of Interstate Highway 5.
General Plan Policy LU-D.5: County shall allow commercial uses in areas designated as Major or Minor Commercial Interchange subject to the provisions of County Zoning Ordinance Section 860 ("Regulations for Interstate Freeway Interchange Commercial Development"). Both types of Commercial Interchange designations shall allow a range of commercial, service, agriculturally-related and value-added agricultural uses serving the needs of freeway users and the agricultural community, with Major Commercial Centers allowing a broader range of uses than Minor Commercial Centers.	This proposal entails an Interstate Freeway Interchange Commercial Development comprised of a restaurant, market, automobile fueling station, truck fueling station, laundry facility, shower facility, Liquefied Petroleum Gas (LPG) sales, photovoltaic solar power generation system to provide electricity to the proposed development, and 149-foot-tall marquee sign on a 10.10-acre parcel located at the northwest quadrant of Interstate Highway 5 and Nees Avenue, which is designated as a Minor Commercial Interchange in the Westside Freeway Corridor Overlay of the General Plan.
General Plan Policy LU-D.6: County shall require Commercial Interchange	This proposal entails an Interstate Freeway Interchange Commercial Development

Relevant Policies:	Consistency/Considerations:
development to achieve aesthetic excellence and incorporate considerations for noise contours abutting traffic ways, architectural cohesiveness, and signage restraints.	comprised of a restaurant, market, automobile fueling station, truck fueling station, laundry facility, shower facility, Liquefied Petroleum Gas (LPG) sales, photovoltaic solar power generation system to provide electricity to the proposed development, and 149-foot-tall marquee sign on a 10.10-acre parcel located at the northwest quadrant of Interstate Highway 5 and Nees Avenue, which is designated as a Minor Commercial Interchange in the Westside Freeway Corridor Overlay of the General Plan. Further, design criteria for the proposed development will be reviewed for approval during the mandatory Site Plan Review (SPR). Conditions of the SPR may include: design of parking and circulation areas, access, on-site grading and drainage, fire protection, landscaping, signage and lighting.
General Plan Policy PF-C.17: County shall, prior to consideration of any discretionary project related to land use, undertake a water supply evaluation. The evaluation shall include the following: A) determination that the water supply is adequate to meet the highest demand that could be permitted on the lands in question; B) determination of the impact that use of the proposed water supply will have on other water users in Fresno County; and C) determination that the proposed water supply is sustainable or that there is an acceptable plan to achieve sustainability.	The subject parcel is located in a designated Water-Short Area and is currently devoid of structural improvements; however, a Private water well and a Public water well have been permitted and constructed thereon. Further, according to the Well Completion Report prepared for the Public water well, said well has an estimated yield of 300 gallons of water per minute. According to the Operational Statement provided for this project, it is estimated that the proposed Interstate Freeway Interchange Commercial Development will utilize approximately 26,179 gallons of water per day.

Reviewing Agency/Department Comments:

Policy Planning Section of the Fresno County Department of Public Works and Planning: The subject parcel is designated Agriculture in the Fresno County General Plan and is located at the northwest quadrant of Interstate Highway 5 and Nees Avenue, which is designated as a Minor Commercial Interchange in the Westside Freeway Corridor Overlay of the General Plan. According to General Plan Policy LU-D.4, the County shall generally limit Commercial Interchange development to one square-mile of land centered on the freeway interchange. According to General Plan Policy LU-D.5, Commercial Interchange areas shall allow commercial uses in areas designated as Major or Minor Commercial Interchange subject to the provisions of County Zoning Ordinance Section 860 ("Regulations for Interstate Freeway Interchange Commercial Development"). Both types of Commercial Interchange designations shall allow a range of commercial, service, agriculturally-related and value-added agricultural uses serving the needs of freeway users and the agricultural community, with Major Commercial

Centers allowing a broader range of uses than Minor Commercial Centers. According to General Plan Policy LU-D.6, the County shall require Commercial Interchange development to achieve aesthetic excellence and incorporate considerations for noise contours abutting traffic ways, architectural cohesiveness, and signage restraints.

No other comments specific to General Plan Policy were expressed by reviewing Agencies or Departments.

Analysis:

The subject parcel is designated Agriculture in the Fresno County General Plan and is located at the northwest quadrant of Interstate Highway 5 and Nees Avenue, which is designated as a Minor Commercial Center Interchange in the Westside Freeway Corridor Overlay of the General Plan.

With regard to General Plan Policies LU-D.4, LU-D.5 and LU-D.6, the subject parcel is located within one square-mile of Interstate Highway 5, and the proposed development has been designed in accordance with the provisions of Zoning Ordinance Section 860 ("Regulations for Interstate Freeway Interchange Commercial Development"). Further, design criteria for the proposed development will be further reviewed for approval during the Site Plan Review (SPR) process required by Zoning Ordinance Section 860-F. Conditions of the SPR may include: design of parking and circulation areas, access, on-site grading and drainage, fire protection, landscaping, signage and lighting.

Based on the above information, staff believes that the proposal is consistent with the Fresno County General Plan.

Recommended Conditions of Approval:

None.

Conclusion:

Finding 4 can be made.

PUBLIC COMMENT:

None.

CONCLUSION:

Based on the factors cited in the analysis, staff believes the required Findings for granting the Unclassified Conditional Use Permit can be made. Staff therefore recommends approval of Unclassified Conditional Use Permit No. 3528, subject to the recommended Conditions.

PLANNING COMMISSION MOTIONS:

Recommended Motion (Approval Action)

- Move to adopt the Mitigated Negative Declaration prepared for Initial Study Application No. 7104; and

- Move to adopt the Master Plan prepared for the Interstate Freeway Interchange Commercial Development as detailed in Exhibit Nos. 5, 6, 7, 8 and 11; and

- Move to determine the required Findings can be made and move to approve Unclassified Conditional Use Permit (CUP) No. 3528, subject to the Mitigation Measures, Conditions of Approval and Project Notes listed in Exhibit 1; and

- Direct the Secretary to prepare a Resolution documenting the Commission's action.

Alternative Motion (Denial Action)

- Move to determine that the required Findings cannot be made (state basis for not making the Findings) and move to deny Unclassified Conditional Use Permit No. 3528; and

- Direct the Secretary to prepare a Resolution documenting the Commission's action.

Mitigation Measures, recommended Conditions of Approval and Project Notes:

See attached Exhibit 1.

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Mitigation Monitoring and Reporting Program
Initial Study (IS) Application No. 7104 / Unclassified Conditional Use Permit (CUP) Application No. 3528
(Including Conditions of Approval and Project Notes)

Mitigation Measures					
Mitigation Measure No.*	**Impact**	**Mitigation Measure Language**	**Implementation Responsibility**	**Monitoring Responsibility**	**Time Span**
*1.	Aesthetics	Prior to operation of the Interstate Freeway Interchange Commercial Development, all lighting shall be hooded, directed and permanently maintained as to not shine toward adjacent properties and roads.	Applicant	Applicant/Fresno County Department of Public Works and Planning (PW&P)	Ongoing
*2.	Air Quality	For each project phase, maintain records of (1) the construction start and end dates and (2) the date of issuance of the first certificate of occupancy.	Applicant	Applicant/San Joaquin Valley Unified Air Pollution Control District	As noted
*3.	Air Quality	For each project phase, all records shall be maintained on site during construction and for a period of ten years following either the end of construction or the issuance of the first certificate of occupancy, whichever is later. Records shall be made available for Air District inspection upon request.	Applicant	Applicant/San Joaquin Valley Unified Air Pollution Control District	As noted
*4.	Air Quality	For each project phase, within 30 days of issuance of the first certificate of occupancy, submit to the Air District a summary report of the construction start and end dates, and the date of issuance of the first certificate of occupancy. Otherwise, submit to the Air District a summary report of the construction start and end dates within 30 days of the end of each phase of construction.	Applicant	Applicant/San Joaquin Valley Unified Air Pollution Control District	As noted
*5.	Biological Resources	Pre-construction surveys for San Joaquin Kit Fox shall be conducted for the project in accordance with the United States Fish and Wildlife Service "Standardized Recommendations for Protection of the Endangered San Joaquin Kit Fox" dated January 2011. Protection and avoidance measures shall be implemented in accordance with the United States Fish and Wildlife Service "Standardized Recommendations for Protection of the Endangered San Joaquin Kit Fox" dated January 2011 if a San Joaquin Kit Fox is identified during pre-construction surveys.	Applicant	Applicant/United States Fish and Wildlife Service (USFWS)	As noted

*6.	Biological Resources	Pre-construction surveys for American Badger shall be conducted for the project no more than 30 days prior to commencing construction or ground-disturbing activity. If an American Badger is identified during pre-construction surveys, a qualified biologist shall passively relocate the American Badger prior to commencing construction or ground-disturbing activity. Any active American Badger den or potentially active American Badger den shall be monitored for at least three consecutive nights using a wildlife-monitoring camera located at the American Badger den entrance. If no images of American Badgers are captured during this monitoring period, the monitored American Badger den can be excavated and backfilled. In the event that passive relocation fails, a qualified biologist shall consult the California Department of Fish and Wildlife (CDFW) in order to develop an effective relocation strategy, which may include trapping.	Applicant	Applicant/California Department of Fish and Wildlife (CDFW)	As noted
*7.	Biological Resources	Pre-construction surveys for Burrowing Owl shall be conducted for the project in accordance with the California Department of Fish and Wildlife "Staff Report on Burrowing Owl Mitigation" dated March 7, 2012. Protection and avoidance measures shall be implemented in accordance with the California Department of Fish and Wildlife "Staff Report on Burrowing Owl Mitigation" dated March 7, 2012 if a Burrowing Owl is identified during pre-construction surveys.	Applicant	Applicant/CDFW	As noted
*8.	Biological Resources	Pre-construction surveys for nesting birds (including common species and special-status species) shall be conducted for the project no more than 14 days prior to commencing construction or ground disturbing activity during the bird breeding season (January 1 through September 15). If a nesting bird is identified during pre-construction surveys, a qualified avian biologist shall develop project-specific no-disturbance nest buffers that take into account site-specific externalities and species-specific disturbance tolerances. The no-disturbance nest buffers developed by the qualified avian biologist shall be vetted with the California Department of Fish and Wildlife (CDFW).	Applicant	Applicant/CDFW	As noted
*9.	Cultural Resources	In the event that cultural resources are unearthed during ground-disturbing activities, all work shall be halted in the area of the find. An Archeologist shall be called to evaluate the findings and make any necessary mitigation	Applicant	Applicant	During ground-disturbing activities

		recommendations. If human remains are unearthed during ground-disturbing activities, no further disturbance is to occur until the Fresno County Sheriff-Coroner has made the necessary findings as to origin and disposition. All normal evidence procedures shall be followed by photographs, reports, video, etc. If such remains are determined to be Native American, the Sheriff-Coroner must notify the Native American Commission within 24 hours.			
*10.	Geology and Soils	The Sewage Feasibility Report submitted by O.S.T. System Designs, Inc. indicates the subject parcel can support an On-site Wastewater Treatment System (OWTS) for the proposed Interstate Freeway Interchange Commercial Development. Specific design and capacity details for the OWTS shall be submitted to the County of Fresno and the California Regional Water Quality Control Board for review and approval prior to issuance of building permits for each structure connecting to the OWTS.	Applicant	Applicant/PW&P/ Fresno County Department of Public Health	As noted
*11.	Geology and Soils	The design, construction, and operation of the On-site Wastewater Treatment System (OWTS) shall include the use of advanced treatment to reduce Biological Oxygen Demand (BOD) and nitrate levels in the wastewater. Specifications for grey water and black water treatment shall be clearly identified and addressed in the design of the OWTS.	Applicant	Applicant/PW&P/ Fresno County Department of Public Health	As noted
*12.	Transportation and Traffic	Prior to opening day of the proposed Interstate Freeway Interchange Commercial Development, placement of a two-inch (2") Hot Mix Asphalt (HMA) overlay shall be required on Nees Avenue and Paul Negra Road between the subject parcel and the Interstate Highway 5 northbound ramps. Such work shall also require replacement of traffic striping and dig-out of failed areas of pavement prior to placement of the two-inch (2") overlay.	Applicant	Applicant/PW&P	As noted
*13.	Utilities and Service Systems	Prior to completion of the Site Plan Review (SPR) required for the proposed Interstate Freeway Interchange Commercial Development, the Applicant shall submit for any permits required by the State Water Resources Control Board, Division of Drinking Water for operation of a Non-Transient Non-Community Water System. Additionally, the Applicant shall comply with State mandatory permitting requirements as listed in the Project Notes for Unclassified Conditional Use Permit No. 3528. Further, proof of	Applicant	Applicant/PW&P/ Fresno County Department of Public Health	As noted

		acceptance by the State regarding the design of the Non-Transient Non-Community Water System, and authorization from the State to operate the Non-Transient Non-Community Water System must be provided to the County prior to granting occupancy to the proposed Interstate Freeway Interchange Commercial Development.			

Conditions of Approval	
1.	Development and operation shall be in substantial conformance with the approved Site Plans, Floor Plan, Elevation Drawings and Operational Statement, except as modified by the Conditions of Approval and Site Plan Review (SPR).
2.	Prior to issuance of Building Permits, the owner of the subject property shall enter into a Covenant with the County of Fresno acknowledging that the property owner is aware of the Fresno County Right-to-Farm Notice (Fresno County Ordinance Code Sections 17.04.100 and 17.72.075).
3.	The developer of the Interstate Freeway Interchange Commercial Development shall provide drought-tolerant landscaping along the eastern property line of the subject parcel. Said landscaping shall be maintained in healthful condition and shall consist of trees and shrubs of reasonable size and density to provide visual screening. The design of the required landscaping shall be reviewed for approval during the mandatory Site Plan Review (SPR). Since the amount of landscaping needed to satisfy this requirement will exceed 500 square feet, the developer of the Interstate Freeway Interchange Commercial Development shall comply with California Code of Regulations Title 23, Division 2, Chapter 2.7 Model Water Efficient Landscape Ordinance (MWELO).

*MITIGATION MEASURE – Measure specifically applied to the project to mitigate potential adverse environmental effects identified in the environmental document.
Conditions of Approval reference recommended Conditions for the project.

Notes	
The following Notes reference mandatory requirements of Fresno County or other Agencies and are provided as information to the project Applicant.	
1.	Prior to issuance of Building Permits, a Site Plan Review (SPR) shall be submitted to and approved by the Department of Public Works and Planning in accordance with Section 874 of the Fresno County Zoning Ordinance. Conditions of the Site Plan Review may include: design of parking and circulation areas, access, on-site grading and drainage, fire protection, landscaping, signage, and lighting.
2.	A ten-foot by ten-foot corner cutoff shall be maintained for sight distance purposes at any driveway accessing Paul Negra Road.
3.	An Encroachment Permit shall be required from the Road Maintenance and Operations Division of the Fresno County Department of Public Works and Planning for any work performed within the County right-of-way.
4.	Plans related to construction and development of the project prepared by a licensed design professional shall be submitted to the Development Services Division of the Fresno County Department of Public Works and Planning for review and approval in order to acquire building and installation permits, and necessary inspections.
5.	Operation of the On-site Wastewater Treatment System (OWTS) proposed for the Interstate Freeway Interchange Commercial Development requires compliance with the General Waste Discharge Requirements for Small Domestic Wastewater Treatment

Notes	
	Systems, which requires the operator to submit a complete Report of Waste Discharge to the Water Board at least 140 days prior to operation of the OWTS.
6.	Any additional run-off generated by development cannot be drained across property lines, and must be retained on site per County Standards.
7.	An Engineered Grading and Drainage Plan demonstrating how additional storm water run-off generated by the project will be handled without adversely impacting adjacent properties shall be provided to the Development Engineering Section of the Fresno County Department of Public Works and Planning for review and approval in order to acquire building and installation permits for the proposal.
8.	A Grading Permit or Voucher shall be required for any grading activity associated with this proposal.
9.	This proposal is subject to San Joaquin Valley Unified Air Pollution Control District (Air District) Rule 9510 (Indirect Source Review). This proposal may also be subject to the following Air District Rules: Regulation VIII (Fugitive PM10 Prohibitions), Rule 4102 (Nuisance), Rule 4601 (Architectural Coatings), and Rule 4641 (Cutback, Slow Cure, and Emulsified Asphalt).
10.	Any development associated with this proposal shall comply with the California Code of Regulations Title 24 – Fire Code.
11.	Prior to issuance of building permits for each food facility, the Applicant shall submit complete food facility plans and specifications to the Fresno County Department of Public Health, Environmental Health Division, for review and approval.
12.	Prior to operation of the proposed Interstate Freeway Interchange Commercial Development, the operator shall apply for and obtain a permit to operate a food facility from the Fresno County Department of Public Health, Environmental Health Division.
13.	Prior to any alcoholic beverage sales, the Applicant shall obtain a License to do so from the California Department of Alcoholic Beverage Control.
14.	Facilities proposing to use and/or store hazardous materials and/or hazardous wastes shall meet the requirements set forth in the California Health and Safety Code (HSC), Division 20, Chapter 6.95, and the CCR, Title 22, Division 4.5. Further, any business that handles hazardous materials or hazardous waste above the following State reporting thresholds may be required to submit a Hazardous Materials Business Plan pursuant to the HSC, Division 20, Chapter 6.95: 1) 55 gallons of liquid material; 2) 500 pounds of solid material; 3) 200 cubic feet of compressed gas; or 4) the threshold planning quantity for extremely hazardous substances.
15.	All hazardous waste shall be handled in accordance with requirements set forth in the CCR, Title 22, Division 4.5, which addresses proper labeling, storage and handling of hazardous wastes.
16.	The California Aboveground Petroleum Storage Tank Act requires a Spill Prevention Control and Countermeasure Plan (SPCC) for aboveground petroleum storage tanks with storage capacity greater than or equal to 1,320 gallons. This storage capacity refers to the aggregate capacity of all aboveground tanks and containers at a facility.
17.	The Interstate Freeway Interchange Commercial Development requires a public water system classified as a Non-Transient Non-Community Water System, which requires permitting by the State Water Resources Control Board, Division of Drinking Water. The

	Notes
	Applicant shall submit a permit application, technical report, application fee, and construction plans for the well and water distribution system to the State Water Resources Control Board, Division of Drinking Water for review and approval prior to construction and operation of the required water system. As a public water system, the Applicant must be able to demonstrate adequate technical, managerial and financial capacity to operate and maintain the water system in compliance with all State and federal regulations. An assessment of the technical, managerial and financial capacity of the proposed water system shall be included with the permit application submitted to the State Water Resources Control Board, Division of Drinking Water. The Applicant shall also demonstrate to the State Water Resources Control Board, Division of Drinking Water that the well proposed to provide drinking water meets drinking water standards.

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CUP 3528

LOCATION MAP

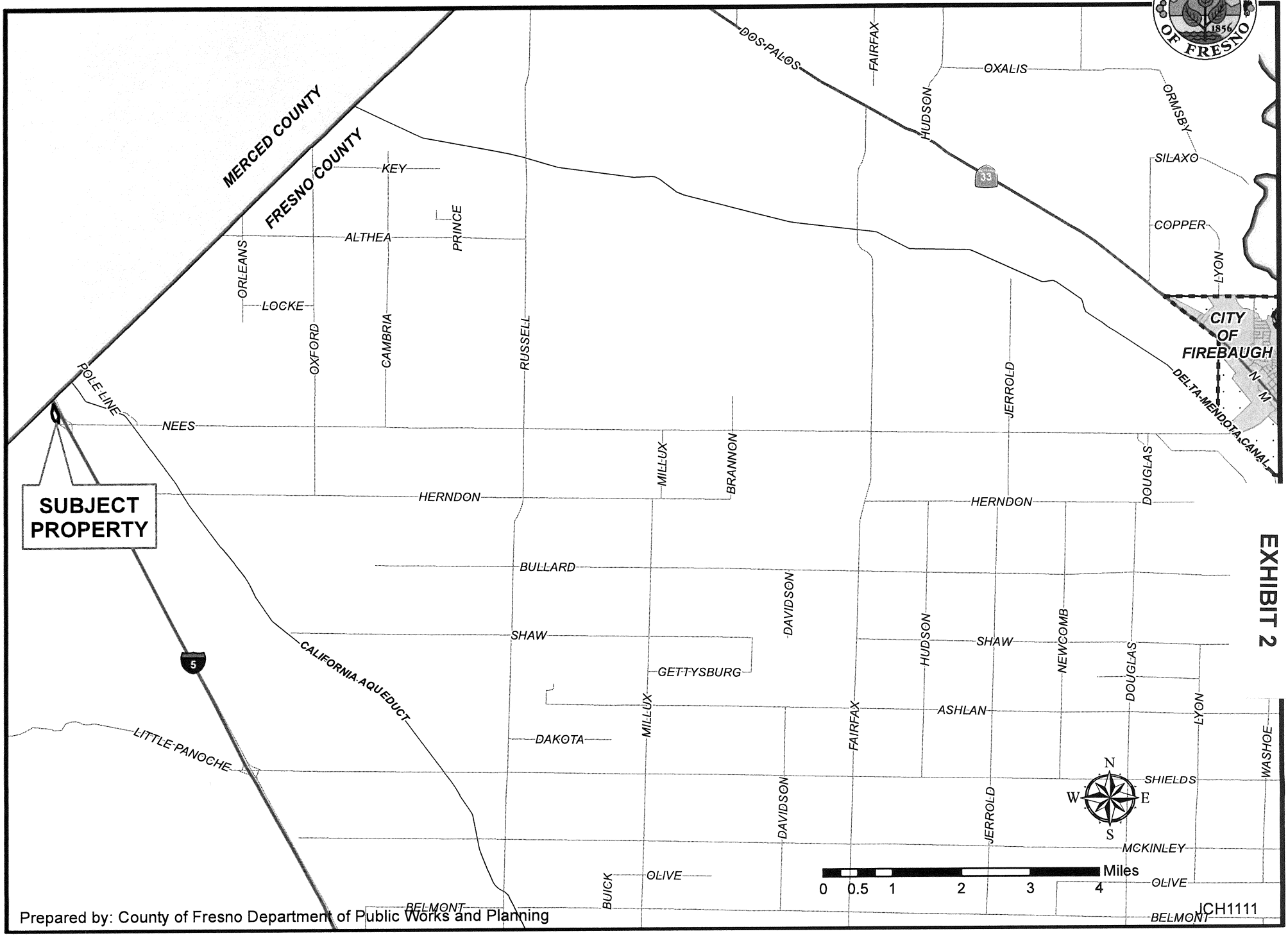


EXHIBIT 2

Prepared by: County of Fresno Department of Public Works and Planning

JCH1111

CUP 3528
STR 28 - 12/11

EXISTING ZONING MAP

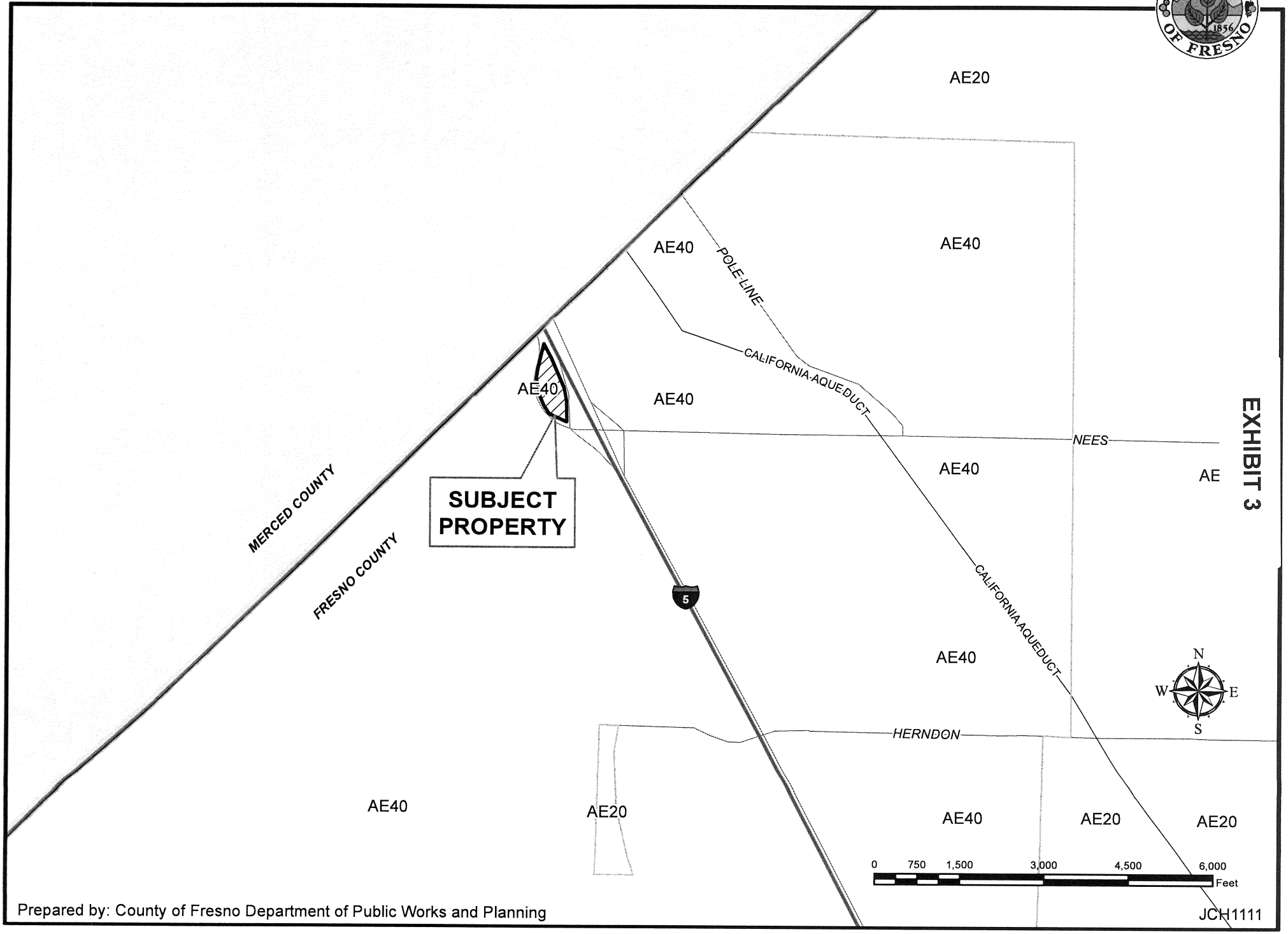


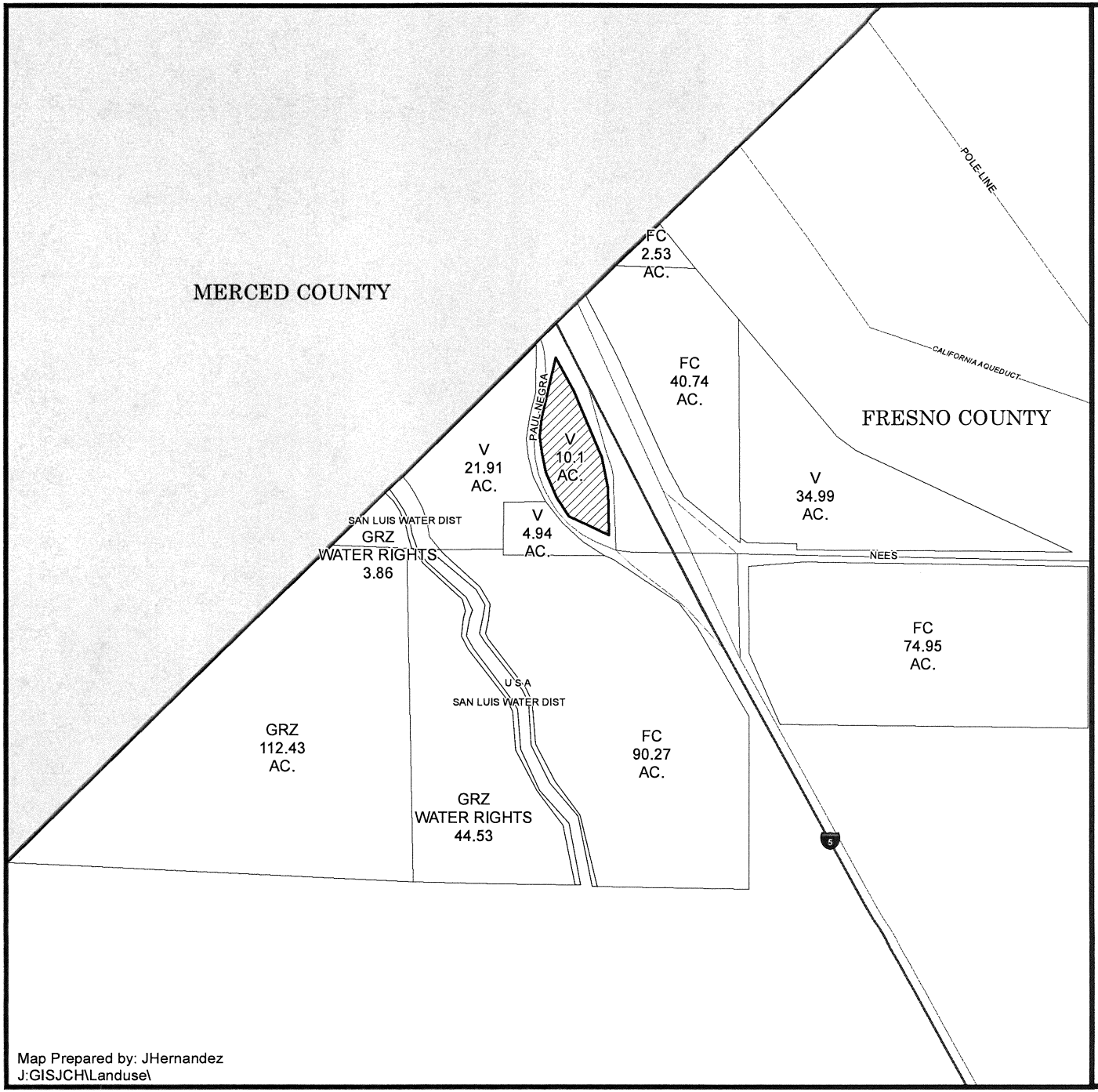
EXHIBIT 3

Prepared by: County of Fresno Department of Public Works and Planning

JCH1111

CUP 3528

EXISTING LAND USE MAP



LEGEND

FC - FIELD CROP
GRZ - GRAZING
V - VACANT

LEGEND:

Subject Property

EXHIBIT 4

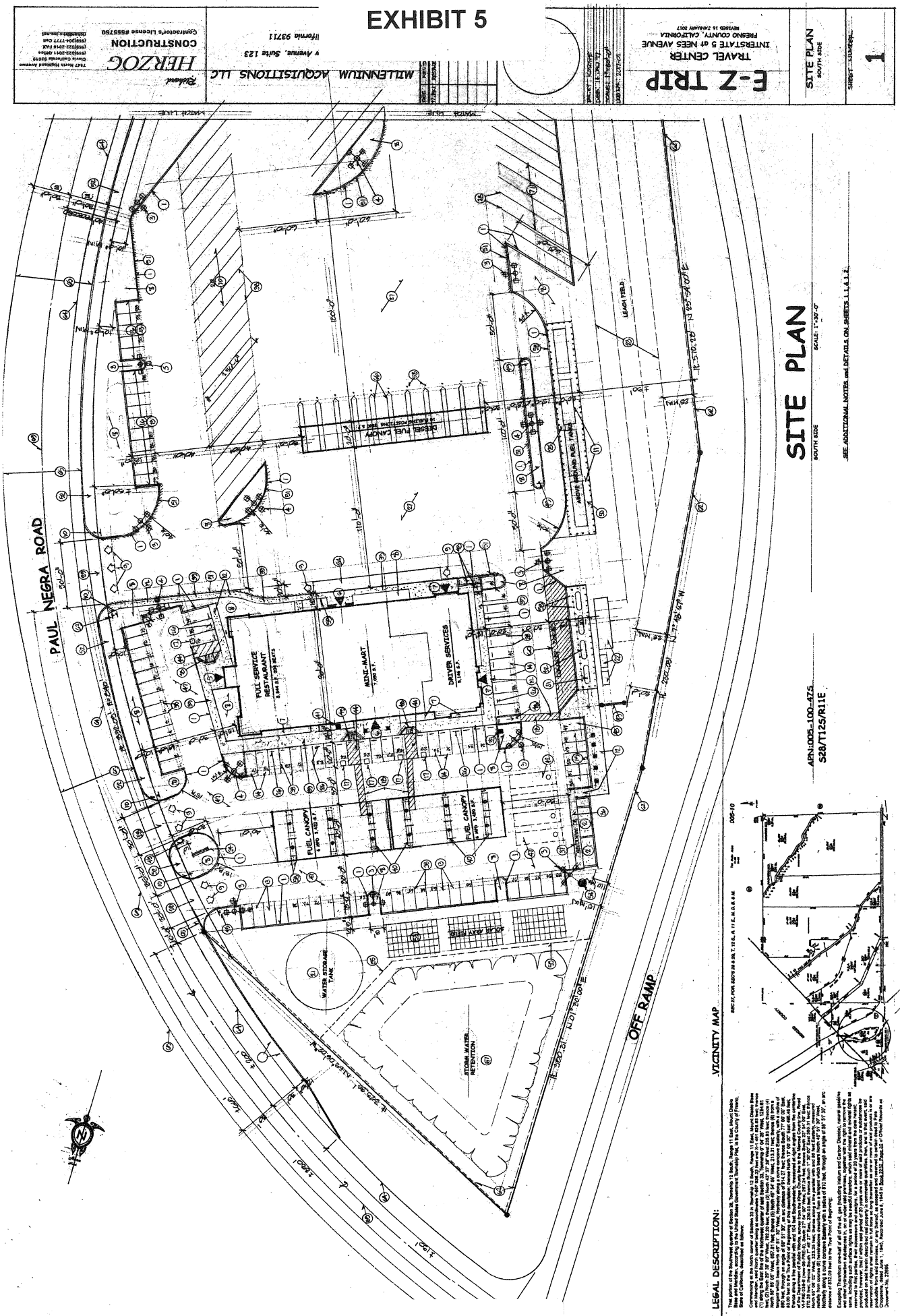
N
W E
S

0 300 600 1,200 1,800 2,400
Feet

Map Prepared by: JHernandez
J:GISJCH\Landuse\

Department of Public Works and Planning
Development Sevices Division

EXHIBIT 5


E-Z TRIP
TRAVEL CENTER
INTERSTATE 5 at NEES AVENUE
FRESNO COUNTY, CALIFORNIA
SITE PLAN
SOUTH SIDE
SHEET NUMBER
1
MILLENNIUM ACQUISITIONS LLC
HERZOG
CONSTRUCTION
SITE PLAN
SOUTH SIDE
SCALE: 1"=30'-0"
SEE ADDITIONAL NOTES and DETAILS ON SHEETS 1.1, 1.2
APN:005-100-47S
S28/T12S/R11E
PAUL NEGRA ROAD
OFF RAMP
FULL SERVICE RESTAURANT
MINI-MART
DRIVER SERVICES
DIESEL FUEL CANOPY
FUEL CANOPY
WATER STORAGE TANK
STORM WATER RETENTION
ABOVE GROUND FUEL TANKS
LEGAL DESCRIPTION:
VICINITY MAP

KEY NOTES:

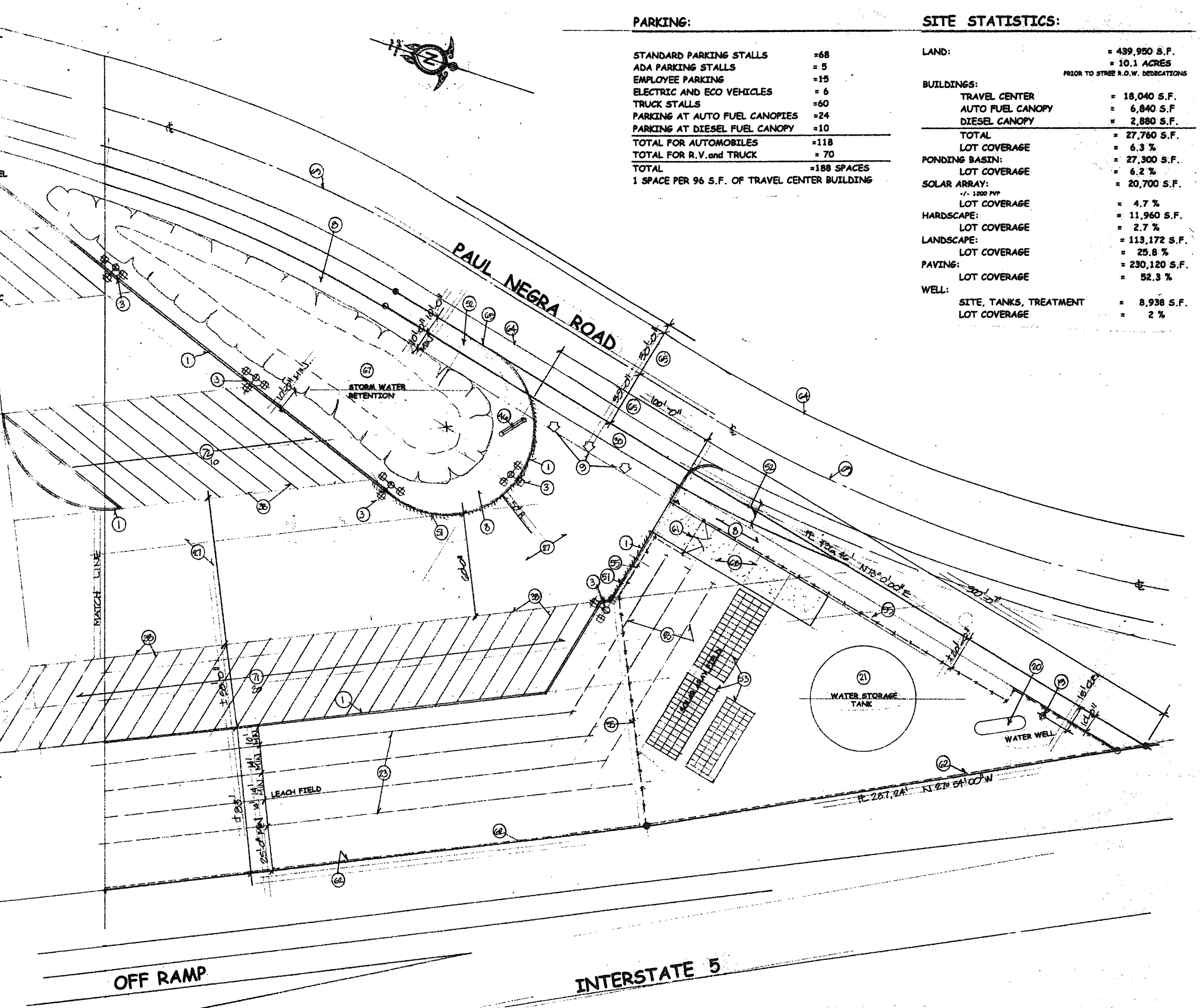
1. 6"X6" CURBS AT LOCATIONS SHOWN.
2. TRASH ENCLOSURES WITH TRASH and GREASE RECYCLE.
3. 3 LAMP-LIGHT POLES. 30 FOOT TALL.
4. 4 LAMP-LIGHT POLES. 30 FOOT TALL.
5. RESTAURANT MAIN ENTRANCE.
6. MINI-MART MAIN ENTRANCE.
7. DRIVERS SERVICES MAIN ENTRANCE.
8. LANDSCAPE AREA.SEE SHEETS L-1 AND L-2.
9. CONTRASTING PAINTED TRAFFIC DIRECTION ARROWS.
10. STATE STANDARD "STOP" SIGN AT LOCATIONS SHOWN.
11. 4-12,000 GALLON ABOVE-GROUND STATE APPROVED DIESEL FUEL STORAGE TANKS PER 2306 OF CFC. PLANS AND PERMITS BY OTHERS
12. 4 FOOT MINIMUM WIDE PATH OF TRAVEL PER CHAPTER 11B OF CBC.
13. TYPICAL 9'X18' AUTOMOBILE PARKING STALLS.
14. TYPICAL 9'X20' AUTOMOBILE PARKING STALLS WITH WHEEL STOPS.
15. TYPICAL 9'X18' ELECTRIC AND ALTERNATIVE FUEL VEHICLE PARKING STALLS.
16. TYPICAL 9'X18' "EMPLOYEE ONLY" PARKING STALLS.
17. TYPICAL 9'X20' A.D.A.PARKING STALLS PER CHAPTER 11B OF CBC
18. 4' MINIMUM WIDE STRIPPED CROSSWALK AREA.
19. EXISTING WELL LOCATION.
20. WATER TREATMENT PLANT. PLANS AND PERMITS BY OTHERS.
21. WATER STORAGE TANKS. PLANS AND PERMITS BY OTHERS.
22. SEPTIC TANK AND GREASE TRAP LOCATIONS. PLANS AND PERMITS BY OTHERS.
23. SEPTIC LEACH LINE AREA WITH 125% RESERVE. PLANS AND PERMITS BY OTHERS.SEE SEPTIC DESIGN REPORT BY OST.
24. 100 FOOT LONG TRUCK SCALE AT LOCATION SHOWN.
25. COMMON FUEL DELIVERY DOCK FOR 4 DIESEL FUEL STORAGE TANKS.
26. 6"X6"X 36" LONG CONCRETE PARKING BUMPERS ONLY AT LOCATIONS SHOWN.
27. 4" OVER 6" A.C. PAVING PER GRADING AND PAVING PLANS.
28. 30 FOOT WIDE STREET STYLE DRIVE APPROACH. PLANS AND PERMITS BY OTHERS.
29. 50 FOOT WIDE STREET STYLE DRIVE APPROACH. PLANS AND PERMITS BY OTHERS.
30. 100 FOOT WIDE STREET STYLE DRIVE APPROACH. PLANS AND PERMITS BY OTHERS.
31. L.P. TANK LOCATION FOR BUILDING TENNANT CONSUMPTION. PLANS AND PERMITS BY VALLEY PROPANE.
32. L.P. SALES TANK.PLANS AND PERMITS BY VALLEY PROPANE.
33. 149 FOOT TALL POLE SIGN. PLANS AND PERMITS BY OTHERS.
34. MONUMENT SIGN. PLANS AND PERMITS BY OTHERS.
35. AIR AND WATER MACHINE.
36. 5 ½" THICK CONCRETE SLAB FOR DUMPSTER ROLL OUT.
37. "NO PARKING" CONTRASTING PAINTED 12" TALL LETTERS ON CONCRETE PAVING.
38. 4" WIDE WHITE PAINTED STRIPES.
39. CONCRETE SIDEWALKS.
40. FUEL ISLANDS. PLANS AND PERMITS BY OTHERS.
41. BICYCLE PARKING FOR 6 BICYCLES AND ONE LONG TERM BICYCLE STORAGE UNIT PER CAL-GREEN.
42. 4-20,000 GALLON UNDERGROUND FUEL TANKS PER 2603 OF CFC. PLANS AND PERMITS BY OTHERS.
43. RESERVED PARKING STALL FOR "ALOHA BOB" AND FRIENDS..
44. 8'X20' ADA "NO PARKING"LOADING AREA PER CHAPTER 11B OF CBC.
45. ADA PARKING LOT SIGN/NOTICE PER CHAPTER 11 B OF CBC.
46. "TRUCKS WELCOME" SIGN. PLANS AND PERMITS BY OTHERS.
47. MINIMUM 5 ½" THICK CONCRETE PAVING. SEE GRADING PLANS.
48. A.D.A. APPROVED RAMPS PER CHAPTER 11B OF CBC.
49. FUEL SUPPLY TRANSPORT DIRECTION SIGN. PLANS AND PERMITS BY OTHERS.
50. CONCRETE SLAB AND FOOTINGS FOR ABOVE GROUND FUEL STORAGE TANKS.
51. PAINT CURBS OSHA RED WITH "FIRE LANE-NO PARKING" IN 4" TALL WHITE LETTERING PER FIRE DEPARTMENT STANDARDS,
52. PROPOSED 10'-0" WIDE AREA FOR STREET DEDICATIONS.
53. SOLAR ARAY LOCATION. PLANS AND PERMITS BY OTHERS.
54. VEETER-ROOT EVAPORATIVE EMMISSIONS CANISTER. PLANS AND PERMITS BY OTHERS.
55. INSTALL 6' HIGH CHAIN-LINK FENCE AT LOCATIONS SHOWN.
56. CONCRETE ENTRY LANDINGS PER CHAPTER 11 B OF CBC.
57. ADA PARKING STALL SIGNS PER CHAPTER 11B OF CBC.
58. 6" CONCRETE FILLED STEEL PIPE BOLARDS AT LOCATIONS SHOWN.
59. DIGITAL WEIGHT SIGN FOR TRUCK SCALE. PLANS AND PERMITS BY OTHERS.
60. 15' X 80' "LOADING ZONE" WITH 4" WIDE CONTRACTING PAINTED STRIPES AT 2'-0" O.C. AND 12" TALL "LOADING ZONE" PAINTED WHERE SHOWN.
61. INSTALL 6'-0" TALL CHAIN LINK GATES WHERE SHOWN.
62. EXISTING 5' TALL CALTRANS FENCE.
63. "DO NOT ENTER" SIGN PER COUNTY STANDARDS.
64. EXISTING ASPHALT CURB AND LIMIT OF EXISTING ROAD.
65. EXISTING ROAD R.O.W. LINE.
66. 12" TALL CONCRETE CURBS AT TRUCK FUELING ISLANDS.
67. STORM WATER RETENTION BASIN. PLANS BY OTHERS.
68. 10' WIDE GRAVEL ACCESS ROAD.
69. CENTERLINE OF R.O.W.
70. 10'X50' TRUCK PARKING STALLS.
71. 10'X60' TRUCK PARKING STALLS.
72. 10'X70' TRUCK PARKING STALLS.

PARKING:

STANDARD PARKING STALLS	=68
ADA PARKING STALLS	= 5
EMPLOYEE PARKING	=15
ELECTRIC AND ECO VEHICLES	= 6
TRUCK STALLS	=60
PARKING AT AUTO FUEL CANOPIES	=24
PARKING AT DIESEL FUEL CANOPY	=10
TOTAL FOR AUTOMOBILES	=118
TOTAL FOR R.V.and TRUCK	= 70
TOTAL	=188 SPACES
1 SPACE PER 96 S.F. OF TRAVEL CENTER BUILDING	

SITE STATISTICS:

LAND:		= 439,950 S.F.
		= 10.1 ACRES
		PRIOR TO STREE R.O.W. DEDICATIONS
BUILDINGS:		
	TRAVEL CENTER	= 18,040 S.F.
	AUTO FUEL CANOPY	= 6,840 S.F
	DIESEL CANOPY	= 2,880 S.F.
	TOTAL	= 27,760 S.F.
	LOT COVERAGE	= 6.3 %
PONDING BASIN:		= 27,300 S.F.
	LOT COVERAGE	= 6.2 %
SOLAR ARRAY:		= 20,700 S.F.
	+/- 1200 PVP	
	LOT COVERAGE	= 4.7 %
HARDSCAPE:		= 11,960 S.F.
	LOT COVERAGE	= 2.7 %
LANDSCAPE:		= 113,172 S.F.
	LOT COVERAGE	= 25.8 %
PAVING:		= 230,120 S.F.
	LOT COVERAGE	= 52.3 %
WELL:		
	SITE, TANKS, TREATMENT	= 8,938 S.F.
	LOT COVERAGE	= 2 %



SITE PLAN

NORTH SIDE SCALE: 1"=30'-0"

SEE ADDITIONAL NOTES and DETAILS ON SHEETS 1 & 1.2

Richard HERZOG CONSTRUCTION
Contractor's License #555750
7447 North Highland Avenue
Clovis California 93619

MILLENNIUM ACQUISITIONS LLC
2491 West Shaw Avenue, Suite 123
Fresno, California 93711

DR. BY: KOCHE
DATE: 13 JAN 2017
SCALE: 1"=30'-0"
JOB NO.: 2017-01

E-Z TRIP
TRAVEL CENTER
INTERSTATE 5 at NEES AVENUE
FRESNO COUNTY, CALIFORNIA

SITE PLAN
NORTH SIDE

SHEET NUMBER
1.1

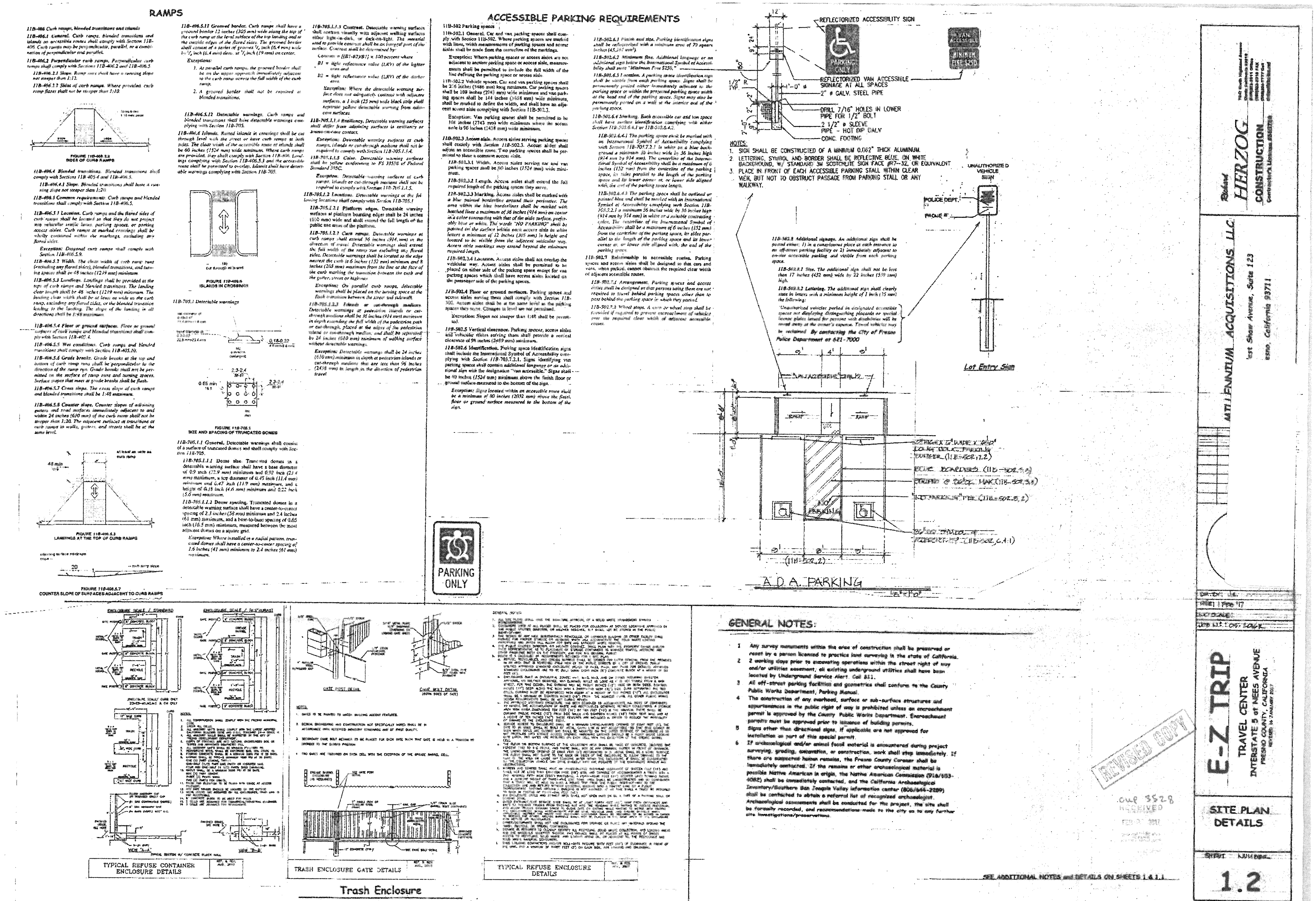
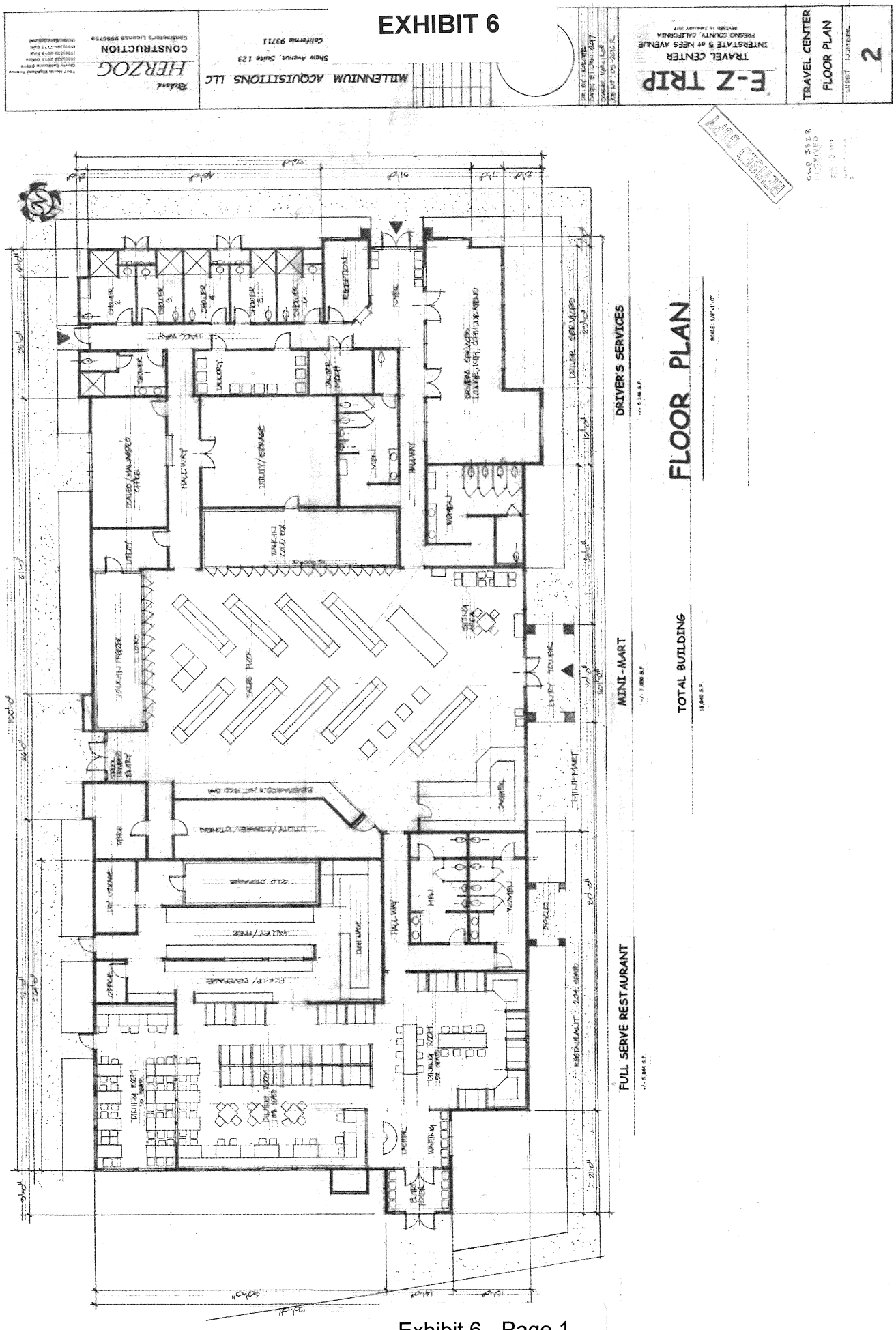

RAMPS
ACCESSIBLE PARKING REQUIREMENTS
REFLECTORIZED ACCESSIBILITY SIGN
PARKING ONLY
VAN ACCESSIBLE
MINIMUM FINE $250
REFLECTORIZED VAN ACCESSIBLE SIGNAGE AT ALL SPACES
2" ø GALV. STEEL PIPE
DRILL 7/16" HOLES IN LOWER PIPE FOR 1/2" BOLT
2 1/2" ø SLEEVE
PIPE - HOT DIP GALV
CONC. FOOTING
NOTES:
1. SIGN SHALL BE CONSTRUCTED OF A MINIMUM 0.062" THICK ALUMINUM.
2. LETTERING, SYMBOL AND BORDER SHALL BE REFLECTIVE BLUE, ON WHITE BACKGROUND, W/ STANDARD 3M SCOTCHLITE SIGN FACE #R7-32, OR EQUIVALENT
3. PLACE IN FRONT OF EACH ACCESSIBLE PARKING STALL WITHIN CLEAR VIEW, BUT NOT TO OBSTRUCT PASSAGE FROM PARKING STALL OR ANY WALKWAY.
UNAUTHORIZED VEHICLE SIGN
POLICE DEPT.
PHONE #
Lot Entry Sign
A.D.A. PARKING
PARKING ONLY
TYPICAL REFUSE CONTAINER ENCLOSURE DETAILS
TRASH ENCLOSURE GATE DETAILS
TYPICAL REFUSE ENCLOSURE DETAILS
Trash Enclosure
GENERAL NOTES:
1 Any survey monuments within the area of construction shall be preserved or reset by a person licensed to practice land surveying in the state of California.
2 2 working days prior to excavating operations within the street right of way and/or utilities easement, all existing underground utilities shall have been located by Underground Service Alert. Call 811.
3 All off-street parking facilities and geometrics shall conform to the County Public Works Department, Parking Manual.
4 The construction of any overhead, surface or sub-surface structures and appurtenances in the public right of way is prohibited unless an encroachment permit is approved by the County Public Works Department. Encroachment permits must be approved prior to issuance of building permits.
5 Signs other than directional signs, if applicable are not approved for installation as part of this special permit.
6 If archaeological and/or animal fossil material is encountered during project surveying, grading, excavation, or construction, work shall stop immediately. If there are suspected human remains, the Fresno County Coroner shall be immediately contacted. If the remains or other archaeological material is possible Native American in origin, the Native American Commission (916/653-4082) shall be immediately contacted, and the California Archaeological Inventory/Southern San Joaquin Valley information center (805/644-2289) shall be contacted to obtain a referral list of recognized archaeologist. Archaeological assessments shall be conducted for the project, the site shall be formally recorded, and recommendations made to the city as to any further site investigations/preservations.
SEE ADDITIONAL NOTES and DETAILS ON SHEETS 1 & 1.1
Richard HERZOG CONSTRUCTION
MILLENNIUM ACQUISITIONS, LLC
West Shaw Avenue, Suite 123
Fresno, California 93711
E-Z TRIP
TRAVEL CENTER
INTERSTATE 5 at NEES AVENUE
FRESNO COUNTY, CALIFORNIA
REVISED 16 JANUARY 2017
REVISED COPY
CUP 3528
RECEIVED
SITE PLAN DETAILS
SHEET NUMBER
1.2

EXHIBIT 6


E-Z TRIP
TRAVEL CENTER
INTERSTATE 5 at NEES AVENUE
FRESNO COUNTY, CALIFORNIA
TRAVEL CENTER
FLOOR PLAN
2
MILLENNIUM ACQUISITIONS LLC
Shaw Avenue, Suite 123
California 93711
HERZOG
CONSTRUCTION
REVISED
FLOOR PLAN
DRIVER'S SERVICES
MINI-MART
FULL SERVE RESTAURANT
TOTAL BUILDING

HERZOG CONSTRUCTION
Contractor's License #639750

MILLENNIUM ACQUISITIONS LLC
2491 West Shaw Avenue, Suite 123
Fresno, California 93711

E-Z TRIP
TRAVEL CENTER
INTERSTATE 5 @ NEES AVENUE
FRESNO COUNTY, CALIFORNIA

FUEL CANOPY FLOOR PLANS & SIGNS

2.1

PERMIT COPY

DIESEL FUEL CANOPY FLOOR PLAN

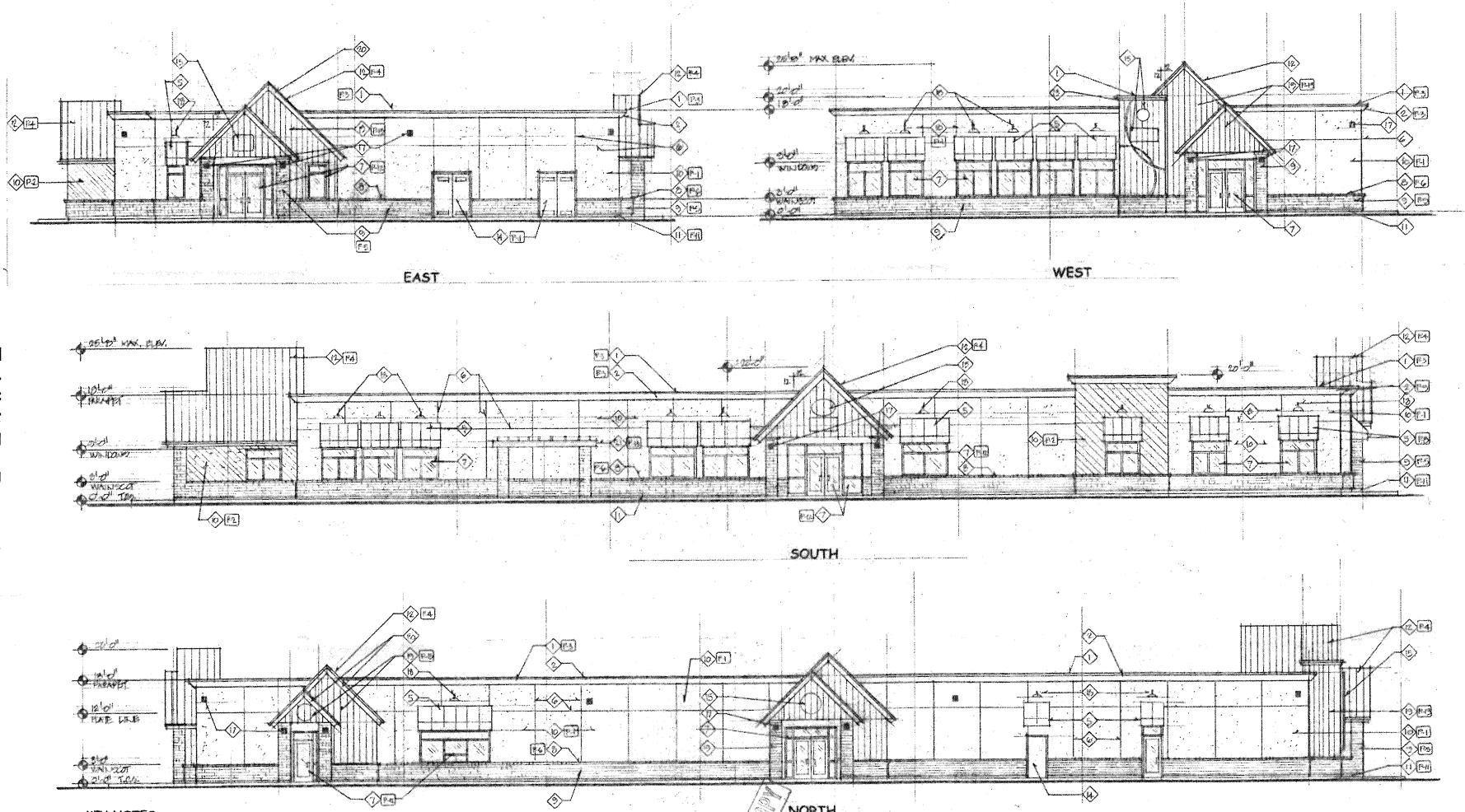
AUTOMOBILE FUEL CANOPY FLOOR PLAN

FREEWAY POLE SIGN

E-Z TRIP TRAVEL CENTER
Diesel Fuel $ 2.29 ½
FAST FOOD
RESTAURANT
FOOD COURT

MONUMENT SIGN

NOTE:
THESE SIGNS ARE SHOWN FOR FOR GENERAL PLANNING PURPOSES ONLY.
FINAL SIGN DESIGNS AND PLANS BY OTHERS AT TIME OF PERMIT.



KEY NOTES:

1. 26 GA. G.I. METAL PARAPET CAP. PAINT TO MATCH ADJACENT MATERIALS.
2. 7/8" THICK STANDARD STUCCO OVER PAPER BACKED WIRE LATH OVER PLY WOOD OR FOAM FASCIA BOARD.
3. MECHANICAL EQUIPMENT ON ROOF.SCREEN FROM VIEW IF VISIBLE FROM STREET.
4. ROOF LINE BEYOND.
5. CANVAS OVER METAL FRAME CANOPIES. SEE PAINT SCHEDULE FOR COLORS.
6. STANDARD METAL STUCCO EXPANSION JOINTS AT LOCATIONS SHOWN.
7. COMMERCIAL GRADE ALUMINUM FRAME WINDOW AND DOOR UNITS. SEE PAINT SCHEDULE FOR COLOR OF FRAMES.
8. CULTURED STONE SILL CAP. SEE PAINT SCHEDULE FOR MANUFACTURER AND COLOR.
9. CULTURED STONE WAINSCOT. SEE PAINT SCHEDULE FOR MANUFACTURER AND COLOR.
10. 7/8" THICK STANDARD STUCCO OVER PAPER BACKED WIRE LATH. SEE PAINT SCHEDULE FOR COLORS.
11. 4" MINIMUM TALL 26 GA. G.I. METAL BASE WITH WEEP SCREED AT TOP. PAINT TO MATCH ADJACENT MATERIAL COLOR.
12. STANDING SEAM METAL ROOFING. SEE PAINT SCHEDULE FOR COLOR.
13. 7/8" STANDARD STUCCO OVER 12" TALL WOOD OR FOAM FASCIA. SEE PAINTING SCHEDULE FOR COLORS.
14. PAINT TO MATCH ADJACENT STUCCO.
15. SIGNS, PLANS AND PERMITS BY OTHERS.
16. 26 GA. G.I. METAL SCUPPERS AND DOWNSPOUTS. PAINT TO MATCH ADJACENT MATERIALS.
17. WALL PACK LIGHT FIXTURES.
18. GOOSE NECK LIGHT FIXTURES AT LOCATIONS SHOWN.
19. 1X12 T&G VERTICAL WOOD SIDING.
20. 2X10 WOOD FASCIA. STAIN TO MATCH VERTICAL WOOD SIDING.
21. RECYCLE FAIRZING PERGOLA OF 2X6 DF AT 24"O.C. OVER 4X12 DF WOOD BEAMS. STAIN TO MATCH VERTICAL WOOD SIDING.

RETURNED COPY

CUP 3525 RECEIVED

PAINT and COLOR SCHEDULE

Symbol	Area	Color	Manufacturer
P-1	Main Walls	SW-7529 "Sand Beach"	Sherwin Williams
P-2	Tower Walls	SW-7533 "Khaki Shade"	Sherwin Williams
P-3	Accent Color	SW-7550 "Resort Tan"	Sherwin Williams
P-4	Metal Roofing	Classic Rib Steel Roof Panels in Pepsi Blue PN 2313424	Home Depot
P-5	Building Stone	Idaho Dry Stack; Carmel Mountain, Cultured Stone Veneer	Coronado
P-6	Capstone	Chablis, Chiseled Cultured Stone Sill	Coronado
P-7	Pipe Bollards	DOT Red 954R39	
P-8	Canvas Awnings	Pepsi Blue	Sherwin Williams
P-11	Trim Color	Match P-5 color	Dickey's Canvas
P-12	Window and door Frames	Factory Bronze	Per Contract
P-13	Wood Siding	Light Teak Stain.	Per Contract

Richard HERZOG CONSTRUCTION
Contractor's Lic.-ense #555790

MILLENNIUM ACQUISITIONS LLC
Shaw Avenue, Suite 123
, California 93711

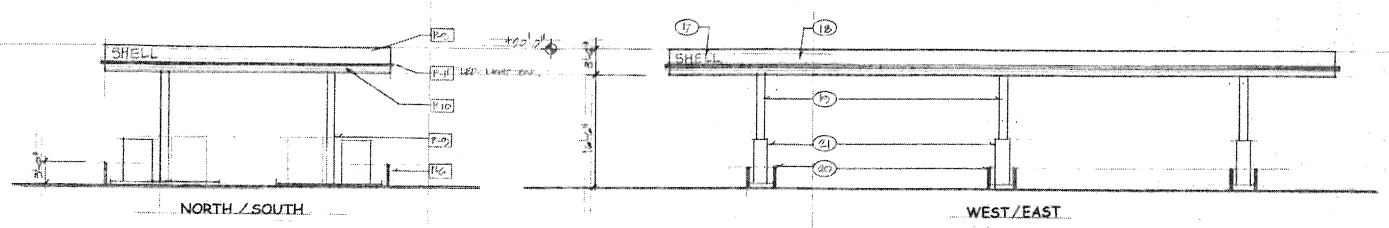
EXHIBIT 7

E-Z TRIP
TRAVEL CENTER
INTERSTATE 5 at NEES AVENUE
FRESNO COUNTY, CALIFORNIA

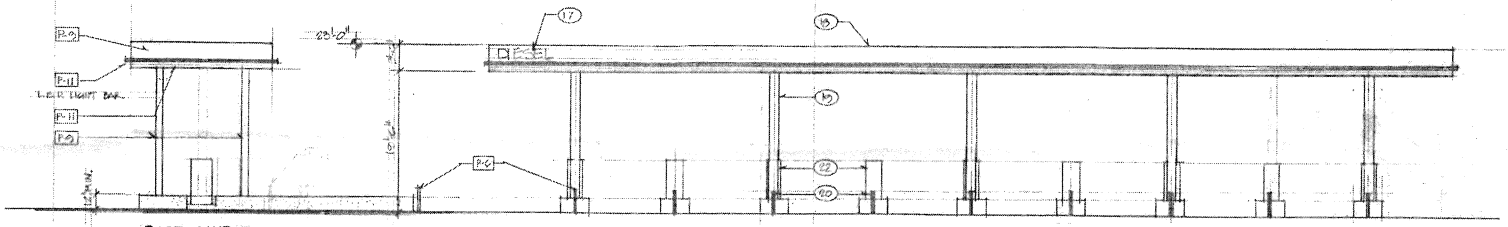
TRAVEL CENTER ELEVATIONS

SHEET NUMBER 3

Exhibit 7 - Page 1



TYPICAL FUEL CANOPY ELEVATIONS



DIESEL CANOPY ELEVATIONS

ELEVATIONS

KEY NOTES:

(17) Illum. Signs by others. Separate permit.
(18) 42" tall white ACM fascia. Plans, details and permits by others.
(19) 12" diameter support poles. Plans and permits by others.
(20) 6" diameter iron bollards filled with concrete. Plans and details by others.
(21) MPD (multiple petroleum dispensers) via separate contract.
(22) Diesel dispensers via separate contract.

PAINT and COLOR SCHEDULE

Symbol	Area	Color	Manufacturer
P-8	Pipe Bollards	DOT Red B54R39	Sherwin Williams
P-9	Fuel Canopy	Bright White BR54W101	Sherwin Williams
P-10	Fuel Canopy	Shell Yellow BR54Y37	Sherwin Williams
P-11	Fuel Canopy	Bright Red BR54R38	Sherwin Williams

Richard HERZOG CONSTRUCTION
Contractor's License # 555750

MILLENNIUM ACQUISITIONS LLC
2491 West Shaw Avenue, Suite 123
Fresno, California 93711

E-Z TRIP
TRAVEL CENTER
INTERSTATE 5 at NEES AVENUE
FRESNO COUNTY, CALIFORNIA

FUEL CANOPY
ELEVATIONS

SHEET NUMBER
3.1

REVISED COPY

CUP 3528

Exhibit 7 - Page 2

EXHIBIT 8

Operations Statement
(revised June 28, 2017)
N/W Corner of I-5 and Nees
APN:005-100-475
CUP#3528

REVISED COPY

1. Nature of Operation

   Proposed is an Interstate Highway Travel Center for automobiles and transport trucks. Included is a +/- 18,040 square foot building that will have a Mini-mart for autos, a Mini-mart for trucks, a full size restaurant, trucker showers and laundry, and restrooms.

   Outside to the North will be a 10 space covered fuel depot for transport trucks (Big Rigs). To the South will be 2 auto fuel canopies with 6 MPD each. East of the auto fuel canopies will be a "LP for Sale" area. To the South is a designated area for storm drainage. At the North end of the property is an area for solar panels and water purification.

2. Operational Time Limits

   The entire site will be open for business 24 hours a day, 7 days a week and 52 weeks a year.

3. Daily Customer Visits

   At the truck fueling canopy, there will be approximately 300 visits for re-fueling and 300 stops for food and/or sundries from the Mini-mart per day.

   At the automobile fueling canopies, the expectation is for 1500 combined fuel and food visitors per day.

   The Restaurant will serve +/- 600 meals a day with 400 vehicle trips per day.

   The total for the site is approximately 2,500 trips per day, with an average of 104 vehicles per hour.

4. Employees

Restaurant	24 daily employees in 3 to 4 shifts
Mini-mart	9 daily employees in 3 to 4 shifts
Grounds Keepers	4 daily employees
Total	37 daily employees

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COUNTY OF FRESNO
JUN 28 2017
DEPARTMENT OF PUBLIC WORKS AND PLANNING
DEVELOPMENT SERVICES DIVISION

   There will be no employees who live on site.

5. Service and Delivery Vehicles

   There will be at least 1 fuel delivery per day. Other deliveries include groceries, beverages and sundries for the Mini-mart at 1 per day. Also deliveries of food and supplies for the restaurants at 1 per day.

Total of 3 per day during the week and none during the weekend.

6. Access to the Site

   Proposed, there is 1 entrance and 1 exit to the site for trucks and RV's, and 2 entrance/exits for cars.

   All Entrances and Exits front on Paul Negra Road, which is a continuation of Nees Avenue and the On and Off ramps for North and South bound I-5.

7. Parking Spaces

   There are

68	Standard Parking Stalls
5	ADA
15	Employee
6	Electric/Eco Vehicle stalls
60	Truck and Bus Stalls
24	Parking at Auto Fuel Canopies
10	Parking at Diesel Fuel Canopy
118	Total Automobiles
70	Total for R.V., Bus, and Truck
188	Total Spaces

   1 Space per 96 S.F. of Travel Center Building

8. Goods and Services Sold Onsite

   Naturally, gasoline and diesel fuel are the main focus of the goods for sale.
   The Mini-mart will sell typical Mini-mart grub and beverages.
   The restaurant will serve foods associated with the brand name.
   The trucker's laundry and showers, offer the named serves.

9. Equipment Used

   Equipment used shall be fuel tanks, fuel pumps, mini-mart marketing equipment, restaurant cooking equipment and so on, as might be typical for the designated use.

10. Supplies Used

    Supplies used will be typical for designated use.

11. Does Use Cause and Unsightly Appearance

    Of all uses proposed on site, none will be unsightly, cause glare, dust, or bad odor.
    Typical unmodified diesel transport trucks are not usually noisy or loud. If 20 or so were running in one place on site it might get noisy. However, due to the sites proximity to I-5, the onsite noise will be less.

12. Solid and Liquid Waste

In terms of trash (garbage), solid wastes will include un-eaten/un-used food, waste paper and boxes. These items will be recycled and stored in one of several trash enclosures located on site. Several times a week a local refuge company will pick up these items and transport them back to their facilities. This includes grease and oils from the restaurant.

Solid waste as in terms of sewers will be properly conditioned and treated then pumped to leach areas where shown on site plan. Pease see revised sewer feasibility study by O.S.T.

Liquid waste as in the form of grey water will be pumped to a condition/treatment facility on site. There, usable landscape irrigation water will be separated, treated and pumped to a holding tank for use on landscape areas where feasible.

The remaining waste water will be combined back into the sewer system and deployed into the leach field.

13. On-site Water

Water will be coming from a newly developed onsite well. See well completion report number e0332118. Water was tested and will be treated per Health Department Standards. See well report from BSK.

Based on similar uses along I-5 it is estimated that 26,179 gallons of fresh water a day will be used by the Mini-mart, Restaurant, Restrooms and Showers. Please see attached water usage estimate.

14. Advertising

An 149' tall pole sign is proposed at the East Side of the property.
It will have the names of the onsite businesses on it, as well as pricing for fuel. Plans and permits by others. A tall sign is needed to help notify travelers well enough in advance for them to slow down and move safely to the off ramp.
Another sign will be between driveways on Paul Negra Road. This sign will be a monument sign with the names of onsite businesses as well as fuel pricing. Plans and permits by others.
Other signs onsite will be the standard fuel canopy logos and names along with business names on the building. Plans and permits by others. See Sheet 2.1

15. Buildings

Currently, the site is vacant. All proposed buildings will be new. Please see proposed elevations.

16. Building

All buildings proposed will be for the use at this site. See proposed elevations.

17. Outdoor Lighting

Outdoor lighting will be handled by 30' tall parking lot lights in parking areas, wall packs on buildings and recess lights in fuel canopies. All lighting shall meet the minimums for Title 24 and CalGreen.

18. Landscaping

Landscaping will consist of drought tolerant trees and shrubs.
Irrigation for landscaping will be drip and use recycled water when available.
The entire property (except in front of automobile fuel canopies) will be fenced with chain link.
Vinyl lats will be installed where visual barriers are needed to block the view of onsite equipment and drainage ponds.

19. Other Information

A. The property is subject to Section 860 of the Zoning Ordinance. Per that Ordinance all of I-5 thru Fresno County is identified as a "Scenic Highway in the Open Space and Conservation Element". The description of the "Scenic Corridor" is very vague as to where it starts and ends. Also, the site is listed as a minor Commercial Center per Section 860 A.2.a and requires a Site Plan Review Application. The Site Plan as proposed may be subject to Policy 05-L.3.d.3.

B. Note the proposed solar P.V.P. field at the north and south ends of the property. To prevent the need to raise P.V.P. on tall structures, the landscaping in the area must be short in order to prevent shading on P.V.P. The building and fuel canopies will also have P.V.P. on their roofs. The goal is to have 80% of the power needed, generated on site. (average)

Water Usage Estimate

IHOP Restaurant	5844	S.F.			
	204	Seats			
	Open	24 Hours			
	100 Gallons	per seat per day	=	20,400	GPD
Mini-Mart	7000	S.F.			
	0.216 Gallons	per day per S.F.	=	1,523	GPD
Driver's Services	5146	S.F.			
	6	Shower Rooms			
	400	GPD per room	=	2,400	GPD
	Coin Operated	Laundry			
	240	S.F. @ 2.17 GPD/SF	=	520	GPD
	General space	and Office			
	2100	S.F. @ 0.16 GPD/SF	=	336	GPD
		Sub-total		25,179	GPD
Drip Irrigation System			=	1,000	GPD
		Total		26,179	GPD

Base on IAPMO Water Usage Tables

*The free Adobe Reader may be used to view and complete this form. However, software must be purchased to complete, save, and reuse a saved form.

File Original with DWR

State of California

Well Completion Report

Refer to Instruction Pamphlet

No. e0332118

Page 1 of 1

Owner's Well Number

Date Work Began 09/01/2015 Date Work Ended 9/23/2015

Local Permit Agency Fresno County

Permit Number WP0035766 Permit Date 9/11/15

DWR Use Only – Do Not Fill In

State Well Number/Site Number

Latitude Longitude

APN/TRS/Other

Geologic Log

Orientation ⊙ Vertical ○ Horizontal ○ Angle Specify

Drilling Method Reverse Circulation Rotary Drilling Fluid Fresh Water

Depth from Surface Feet	to Feet	Description Describe material, grain size, color, etc
0	12	top soil
12	35	brown clay
34	79	clay with sand
79	225	brown clay w/sand
225	300	small gravel and sand
300	350	sandy clay
350	460	brownn clay
460	470	sand
470	500	pea gravel and sand
500	550	brown clay
550	575	small gravel
575	620	clay/sand
620	900	sticky clay
900	1,040	small gravel/sand
1040	1,090	clay
1090	1,130	sand/small gravel
1130	1,160	clay/sand
1160	1,200	sand
1200	1,340	clay
1340	1,350	sand
1350	1,430	clay/silt
1430	1,470	sand/gravel
1470	1,500	clay
1500	1,540	sand/silt
1540	1,650	clay
1650	1,660	sand
1660	1,710	clay
1710	1,720	sand
1720	1,750	sand/silt/clay

Total Depth of Boring 1750 Feet

Total Depth of Completed Well 1750 Feet

Well Owner

Name [redacted]

Mailing Address [redacted]

City [redacted] State [redacted] Zip [redacted]

Well Location

Address paul negra rd. west of I-5 ramp

City Firebough County Fresno

Latitude 36 Deg. 51 Min. 15 Sec. N Longitude 120 Deg. 46 Min. 37 Sec. W

Datum Dec. Lat. Dec. Long.

APN Book 005 Page 100 Parcel 47

Township Range Section

Location Sketch

(Sketch must be drawn by hand after form is printed.)

North

West East

South

Illustrate or describe distance of well from roads, buildings, fences, rivers, etc. and attach a map. Use additional paper if necessary. Please be accurate and complete.

Activity

⊙ New Well

○ Modification/Repair

○ Deepen ○ Other

○ Destroy

Describe procedures and materials under "GEOLOGIC LOG"

Planned Uses

⊙ Water Supply

☐ Domestic ☑ Public

☐ Irrigation ☐ Industrial

○ Cathodic Protection

○ Dewatering

○ Heat Exchange

○ Injection

○ Monitoring

○ Remediation

○ Sparging

○ Test Well

○ Vapor Extraction

○ Other

Water Level and Yield of Completed Well

Depth to first water 900 (Feet below surface)

Depth to Static Water Level 600 (Feet) Date Measured 09/23/2015

Estimated Yield * 300 (GPM) Test Type Constant Rate

Test Length 12.0 (Hours) Total Drawdown (Feet)

*May not be representative of a well's long term yield.

Casings

Depth from Surface Feet	to Feet	Borehole Diameter (Inches)	Type	Material	Wall Thickness (Inches)	Outside Diameter (Inches)	Screen Type	Slot Size if Any (Inches)
0	50	36	Conductor	Low Carbon Steel	.250	20		
0	950	17.5	Blank	Low Carbon Steel	.250	8		
950	1,750	17.5	Screen	PVC Sch. 80	.250	8	Milled Slots	0.080

Annular Material

Depth from Surface Feet	to Feet	Fill	Description
0	50	Cement	10.3
50	1,750	Filter Pack	gravel

Attachments

☐ Geologic Log

☐ Well Construction Diagram

☐ Geophysical Log(s)

☐ Soil/Water Chemical Analyses

☑ Other google map

Attach additional information, if it exists.

Certification Statement

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief

Name NorCal pump and well drilling
Person, Firm or Corporation

1325 Barry rd. Address Yuba City City CA State 95993 Zip

Signed C-57 Licensed Water Well Contractor

12/20/2016 Date Signed

908591 C-57 License Number

DWR 188 REV. 1/2006

IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

BSK Associates Fresno
1414 Stanislaus St
Fresno, CA93706
559-497-2888 (Main)
559-485-6935 (FAX)

A5K0050
12/08/2015
Invoice: A526062

Nar Heer
Nor-Cal Pump And Well Service
1325 Berry Rd.
Yuba City, CA 95993

RE: Report for A5K0050 New Well

Dear Nar Heer,

Thank you for using BSK Associates for your analytical testing needs. In the following pages, you will find the test results for the samples submitted to our laboratory on 11/2/2015. The results have been approved for release by our Laboratory Director as indicated by the authorizing signature below.

The samples were analyzed for the test(s) indicated on the Chain of Custody (see attached) and the results relate only to the samples analyzed. BSK certifies that the testing was performed in accordance with the quality system requirements specified in the 2009 TNI Standard. Any deviations from this standard or from the method requirements for each test procedure performed will be annotated alongside the analytical result or noted in the Case Narrative. Unless otherwise noted, the sample results are reported on an "as received" basis.

If additional clarification of any information is required, please contact your Project Manager, John Montierth , at (800) 877-8310 or (559) 497-2888 x201.

Thanks again for using BSK Associates. We value your business and appreciate your loyalty.

Sincerely,

John Montierth, Project Manager

CUP 3528
RECEIVED
COUNTY OF FRESNO
MAR 16 2016
DEPARTMENT OF PUBLIC WORKS
AND PLANNING
DEVELOPMENT SERVICES DIVISION

NELAP ACCREDITED TNI LABORATORY

Accredited in Accordance with NELAP
ORELAP #4021

BSK Associates
Engineers & Laboratories

A5K0050

New Well

Case Narrative

Project and Report Details		Invoice Details	
Client:	Nor-Cal Pump And Well Service	**Invoice To:**	Nor-Cal Pump And Well Service
Report To:	Nar Heer	**Invoice Attn:**	Nar Heer
Project #:	Gridley Farm Labor Camp	**Project PO#:**	MTB013232
Received:	11/02/2015 - 15:00		
Report Due:	12/16/2015		

Sample Receipt Conditions

Cooler: Default Cooler
Temperature on Receipt °C: 12.9

Containers Intact
COC/Labels Agree
Preservation Confirmed
Received On Wet Ice
Sample(s) arrived at lab on same day sampled.
Packing Material - Other
Initial receipt at BSK-FAL

Data Qualifiers

The following qualifiers have been applied to one or more analytical results:

B1.0	Analyte present in method blank above reporting limit.
B1.1	Analyte detected in associated method blank. No material impact on reported result as sample is ND for this parameter.
BS	Blank spike recoveries did not meet acceptance limits.
BS1.0	Blank spike recovery for this analyte was biased high; no material impact on reported result as sample is ND for this parameter.
CV0.0	CCV recovery was above method acceptance limits; no material impact on reported result as sample is ND for this parameter.
DL1.0	Sample required a dilution due to the matrix or high concentration of a non-target analyte.
DP1.1	Sample Duplicate RPD exceeded method acceptance criteria.
MS1.0	Matrix spike recoveries exceed control limits.
MS1.4	Matrix spike recovery data unreliable due to significant parent sample concentration relative to fortification level (>4x).
SR1.0	Surrogate recovery exceeds upper control limit. No material impact as associated analytes are Non-Detect.

Report Distribution

Recipient(s)	Report Format	CC:
Don Motsko	FINAL.RPT	
Nar Heer	FINAL.RPT	

BSK Associates Engineers & Laboratories

A5K0050

New Well

Gridley Farm Labor Camp

Certificate of Analysis

Sample ID: A5K0050-01
Sampled By: Nicholas Robles
Sample Description: New Well

Sample Date - Time: 11/02/15 - 12:55
Matrix: Water
Sample Type: Grab

BSK Associates Fresno

General Chemistry

Analyte	Method	Result	RL	Units	RL Multi	Batch	Prepared	Analyzed	Qual
Aggressive Index		12				A513402	11/11/15	11/11/15	
Alkalinity as CaCO3	SM 2320B	230	3.0	mg/L	1	A512975	11/02/15	11/02/15	
Bicarbonate as CaCO3	SM 2320B	230	3.0	mg/L	1	A512975	11/02/15	11/02/15	
Carbonate as CaCO3	SM 2320B	ND	3.0	mg/L	1	A512975	11/02/15	11/02/15	
Hydroxide as CaCO3	SM 2320B	ND	3.0	mg/L	1	A512975	11/02/15	11/02/15	
Chloride	EPA 300.0	1100	5.0	mg/L	5	A512962	11/02/15	11/02/15	
Color, Apparent	SM 2120B	50	25	CU	5	A513006	11/03/15 17:37	11/03/15	
Cyanide (total)	SM 4500-CN E	ND	0.0050	mg/L	1	A513206	11/06/15	11/10/15	
Conductivity @ 25C	SM 2510B	5600	1.0	umhos/cm	1	A512975	11/02/15	11/02/15	
Fluoride	EPA 300.0	ND	0.50	mg/L	5	A512962	11/02/15	11/02/15	DL1.0
Hexavalent Chromium	EPA 218.6	ND	0.20	ug/L	1	A513030	11/03/15	11/03/15	
Langelier Index	SM 2330B	0.42				A513524	11/13/15	11/13/15	
MBAS, Calculated as LAS, mol wt 340	SM 5540C	ND	0.050	mg/L	1	A513019	11/03/15 14:21	11/03/15	
Nitrate as N	EPA 300.0	ND	1.2	mg/L	5	A512962	11/02/15 21:52	11/02/15	B1.1, DL1.0
Nitrite as N	EPA 300.0	ND	0.25	mg/L	5	A512962	11/02/15 21:52	11/02/15	DL1.0
Threshold Odor	SM 2150B	ND	1.0	T.O.N.	1	A513005	11/03/15 10:29	11/03/15	
Perchlorate	EPA 314.0	ND	6.0	ug/L	3	A513158	11/05/15	11/05/15	CV0.0, DL1.0
pH (1)	SM 4500-H+ B	7.7		pH Units	1	A512975	11/02/15	11/02/15	
pH Temperature in °C		22.5							
Sulfate as SO4	EPA 300.0	750	5.0	mg/L	5	A512962	11/02/15	11/02/15	
Total Dissolved Solids	SM 2540C	3200	5.0	mg/L	1	A513133	11/05/15	11/10/15	
Turbidity	SM 2130B	10	0.10	NTU	1	A513006	11/03/15 17:46	11/03/15	

Metals

Analyte	Method	Result	RL	Units	RL Multi	Batch	Prepared	Analyzed	Qual
Aluminum	EPA 200.7	0.077	0.050	mg/L	1	A513100	11/05/15	11/10/15	
Antimony	EPA 200.8	ND	2.0	ug/L	1	A513100	11/05/15	11/10/15	
Arsenic	EPA 200.8	3.3	2.0	ug/L	1	A513100	11/05/15	11/10/15	
Barium	EPA 200.7	0.087	0.050	mg/L	1	A513100	11/05/15	11/10/15	
Beryllium	EPA 200.8	ND	1.0	ug/L	1	A513100	11/05/15	11/10/15	
Cadmium	EPA 200.8	ND	1.0	ug/L	1	A513100	11/05/15	11/10/15	
Calcium	EPA 200.7	100	0.10	mg/L	1	A513100	11/05/15	11/10/15	MS1.4
Chromium	EPA 200.8	11	10	ug/L	1	A513100	11/05/15	11/10/15	
Copper	EPA 200.8	23	5.0	ug/L	1	A513100	11/05/15	11/10/15	
Iron	EPA 200.7	11	0.030	mg/L	1	A513100	11/05/15	11/10/15	MS1.4
Lead	EPA 200.8	ND	5.0	ug/L	1	A513100	11/05/15	11/10/15	
Magnesium	EPA 200.7	41	0.10	mg/L	1	A513100	11/05/15	11/10/15	
Manganese	EPA 200.7	0.20	0.010	mg/L	1	A513100	11/05/15	11/10/15	
Mercury	EPA 200.8	ND	0.20	ug/L	1	A513100	11/05/15	11/10/15	
Nickel	EPA 200.8	ND	10	ug/L	1	A513100	11/05/15	11/10/15	
Potassium	EPA 200.7	11	2.0	mg/L	1	A513100	11/05/15	11/10/15	
Selenium	EPA 200.8	21	2.0	ug/L	1	A513100	11/05/15	11/10/15	

BSK Associates
Engineers & Laboratories

A5K0050
New Well
Gridley Farm Labor Camp

Certificate of Analysis

Sample ID: A5K0050-01
Sampled By: Nicholas Robles
Sample Description: New Well

Sample Date - Time: 11/02/15 - 12:55
Matrix: Water
Sample Type: Grab

Metals

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Silver	EPA 200.8	ND	10	ug/L	1	A513100	11/05/15	11/10/15	
Sodium	EPA 200.7	**1100**	1.0	mg/L	1	A513100	11/05/15	11/10/15	MS1.4
Thallium	EPA 200.8	ND	1.0	ug/L	1	A513100	11/05/15	11/10/15	
Hardness as CaCO3	SM 2340B	**420**	0.41	mg/L					
Uranium	EPA 200.8	ND	1.0	ug/L	1	A513100	11/05/15	11/10/15	
Uranium, Radiological		**< 0.67**		pCi/L					
Zinc	EPA 200.7	**0.28**	0.050	mg/L	1	A513100	11/05/15	11/10/15	

Radiological

Analyte	Method	Result	Units	Batch	Prepared	Analyzed	Qual
Gross Alpha	SM 7110C	**3.58**	pCi/L	A513191	11/06/15	11/09/15	
1.65 Sigma Uncertainty		**0.330**	±				
MDA95		**1.07**	pCi/L				

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
EDB and DBCP by GC-ECD									
Dibromochloropropane (DBCP)	EPA 504.1	ND	0.010	ug/L	1	A513129	11/05/15	11/06/15	
Ethylene Dibromide (EDB)	EPA 504.1	ND	0.020	ug/L	1	A513129	11/05/15	11/06/15	
Surrogate: 1-Br-2-Nitrobenzene	EPA 504.1	107 %	*Acceptable range: 70-130 %*						
Organohalide Pesticides and PCBs by GC-ECD									
Aldrin	EPA 505	ND	0.075	ug/L	1	A513129	11/05/15	11/06/15	
Chlordane	EPA 505	ND	0.10	ug/L	1	A513129	11/05/15	11/06/15	
Dieldrin	EPA 505	ND	0.020	ug/L	1	A513129	11/05/15	11/06/15	
Endrin	EPA 505	ND	0.10	ug/L	1	A513129	11/05/15	11/06/15	
Heptachlor	EPA 505	ND	0.010	ug/L	1	A513129	11/05/15	11/06/15	
Heptachlor Epoxide	EPA 505	ND	0.010	ug/L	1	A513129	11/05/15	11/06/15	
Hexachlorobenzene	EPA 505	ND	0.50	ug/L	1	A513129	11/05/15	11/06/15	
Hexachlorocyclopentadiene	EPA 505	ND	1.0	ug/L	1	A513129	11/05/15	11/06/15	
Lindane	EPA 505	ND	0.20	ug/L	1	A513129	11/05/15	11/06/15	
Methoxychlor	EPA 505	ND	10	ug/L	1	A513129	11/05/15	11/06/15	
PCB Aroclor Screen	EPA 505	ND	0.50	ug/L	1	A513129	11/05/15	11/06/15	
Toxaphene	EPA 505	ND	1.0	ug/L	1	A513129	11/05/15	11/06/15	
Surrogate: 1-Br-2-Nitrobenzene	EPA 505	107 %	*Acceptable range: 70-130 %*						
Chlorinated Acid Herbicides by GC-ECD									
2,4,5-T	EPA 515.3	ND	1.0	ug/L	1	A513189	11/06/15	11/07/15	
2,4,5-TP (Silvex)	EPA 515.3	ND	1.0	ug/L	1	A513189	11/06/15	11/07/15	
2,4-D	EPA 515.3	ND	10	ug/L	1	A513189	11/06/15	11/07/15	
Bentazon	EPA 515.3	ND	2.0	ug/L	1	A513189	11/06/15	11/07/15	
Dalapon	EPA 515.3	ND	10	ug/L	1	A513189	11/06/15	11/07/15	
Dicamba	EPA 515.3	ND	1.5	ug/L	1	A513189	11/06/15	11/07/15	

Certificate of Analysis

Sample ID: A5K0050-01
Sampled By: Nicholas Robles
Sample Description: New Well

Sample Date - Time: 11/02/15 - 12:55
Matrix: Water
Sample Type: Grab

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Chlorinated Acid Herbicides by GC-ECD									
Dinoseb	EPA 515.3	ND	2.0	ug/L	1	A513189	11/06/15	11/07/15	
Pentachlorophenol	EPA 515.3	ND	0.20	ug/L	1	A513189	11/06/15	11/07/15	
Picloram	EPA 515.3	ND	1.0	ug/L	1	A513189	11/06/15	11/07/15	
Surrogate: DCPAA	EPA 515.3	104 %	*Acceptable range: 70-130 %*						
Volatile Organics by GC-MS									
1,1,1,2-Tetrachloroethane	EPA 524.2	ND	0.50	ug/L	1	A513075	11/04/15	11/04/15	
1,1,1-Trichloroethane	EPA 524.2	ND	0.50	ug/L	1	A513075	11/04/15	11/04/15	
1,1,2,2-Tetrachloroethane	EPA 524.2	ND	0.50	ug/L	1	A513075	11/04/15	11/04/15	
1,1,2-Trichloro-1,2,2-trifluoroethane	EPA 524.2	ND	10	ug/L	1	A513075	11/04/15	11/04/15	
1,1,2-Trichloroethane	EPA 524.2	ND	0.50	ug/L	1	A513075	11/04/15	11/04/15	
1,1-Dichloroethane	EPA 524.2	ND	0.50	ug/L	1	A513075	11/04/15	11/04/15	
1,1-Dichloroethene	EPA 524.2	ND	0.50	ug/L	1	A513075	11/04/15	11/04/15	
1,1-Dichloropropene	EPA 524.2	ND	0.50	ug/L	1	A513075	11/04/15	11/04/15	
1,2,3-Trichlorobenzene	EPA 524.2	ND	0.50	ug/L	1	A513075	11/04/15	11/04/15	
1,2,4-Trichlorobenzene	EPA 524.2	ND	0.50	ug/L	1	A513075	11/04/15	11/04/15	
1,2,4-Trimethylbenzene	EPA 524.2	ND	0.50	ug/L	1	A513075	11/04/15	11/04/15	
1,2-Dichlorobenzene	EPA 524.2	ND	0.50	ug/L	1	A513075	11/04/15	11/04/15	
1,2-Dichloroethane	EPA 524.2	ND	0.50	ug/L	1	A513075	11/04/15	11/04/15	
1,2-Dichloropropane	EPA 524.2	ND	0.50	ug/L	1	A513075	11/04/15	11/04/15	
1,3,5-Trimethylbenzene	EPA 524.2	ND	0.50	ug/L	1	A513075	11/04/15	11/04/15	
1,3-Dichlorobenzene	EPA 524.2	ND	0.50	ug/L	1	A513075	11/04/15	11/04/15	
1,3-Dichloropropane	EPA 524.2	ND	0.50	ug/L	1	A513075	11/04/15	11/04/15	
1,4-Dichlorobenzene	EPA 524.2	ND	0.50	ug/L	1	A513075	11/04/15	11/04/15	
2,2-Dichloropropane	EPA 524.2	ND	0.50	ug/L	1	A513075	11/04/15	11/04/15	
2-Butanone	EPA 524.2	ND	5.0	ug/L	1	A513075	11/04/15	11/04/15	
2-Chlorotoluene	EPA 524.2	ND	0.50	ug/L	1	A513075	11/04/15	11/04/15	
2-Hexanone	EPA 524.2	ND	10	ug/L	1	A513075	11/04/15	11/04/15	
4-Chlorotoluene	EPA 524.2	ND	0.50	ug/L	1	A513075	11/04/15	11/04/15	
4-Methyl-2-pentanone	EPA 524.2	ND	5.0	ug/L	1	A513075	11/04/15	11/04/15	
Acetone	EPA 524.2	ND	10	ug/L	1	A513075	11/04/15	11/04/15	
Benzene	EPA 524.2	ND	0.50	ug/L	1	A513075	11/04/15	11/04/15	
Bromobenzene	EPA 524.2	ND	0.50	ug/L	1	A513075	11/04/15	11/04/15	
Bromochloromethane	EPA 524.2	ND	0.50	ug/L	1	A513075	11/04/15	11/04/15	
Bromodichloromethane	EPA 524.2	ND	0.50	ug/L	1	A513075	11/04/15	11/04/15	
Bromoform	EPA 524.2	ND	0.50	ug/L	1	A513075	11/04/15	11/04/15	
Bromomethane	EPA 524.2	ND	0.50	ug/L	1	A513075	11/04/15	11/04/15	BS1.0, CV0.0
Carbon Tetrachloride	EPA 524.2	ND	0.50	ug/L	1	A513075	11/04/15	11/04/15	
Chlorobenzene	EPA 524.2	ND	0.50	ug/L	1	A513075	11/04/15	11/04/15	
Chloroethane	EPA 524.2	ND	0.50	ug/L	1	A513075	11/04/15	11/04/15	
Chloroform	EPA 524.2	ND	0.50	ug/L	1	A513075	11/04/15	11/04/15	
Chloromethane	EPA 524.2	ND	0.50	ug/L	1	A513075	11/04/15	11/04/15	
cis-1,2-Dichloroethene	EPA 524.2	ND	0.50	ug/L	1	A513075	11/04/15	11/04/15	
cis-1,3-Dichloropropene	EPA 524.2	ND	0.50	ug/L	1	A513075	11/04/15	11/04/15	

Certificate of Analysis

Sample ID: A5K0050-01
Sampled By: Nicholas Robles
Sample Description: New Well

Sample Date - Time: 11/02/15 - 12:55
Matrix: Water
Sample Type: Grab

Organics

Analyte	Method	Result	RL	Units	RL Multi	Batch	Prepared	Analyzed	Qual
Volatile Organics by GC-MS									
Dibromochloromethane	EPA 524.2	ND	0.50	ug/L	1	A513075	11/04/15	11/04/15	
Dibromomethane	EPA 524.2	ND	0.50	ug/L	1	A513075	11/04/15	11/04/15	
Dichlorodifluoromethane	EPA 524.2	ND	0.50	ug/L	1	A513075	11/04/15	11/04/15	
Dichloromethane	EPA 524.2	ND	0.50	ug/L	1	A513075	11/04/15	11/04/15	
Di-isopropyl ether (DIPE)	EPA 524.2	ND	3.0	ug/L	1	A513075	11/04/15	11/04/15	
Ethyl tert-Butyl Ether (ETBE)	EPA 524.2	ND	0.50	ug/L	1	A513075	11/04/15	11/04/15	
Ethylbenzene	EPA 524.2	ND	0.50	ug/L	1	A513075	11/04/15	11/04/15	
Hexachlorobutadiene	EPA 524.2	ND	0.50	ug/L	1	A513075	11/04/15	11/04/15	
Isopropylbenzene	EPA 524.2	ND	0.50	ug/L	1	A513075	11/04/15	11/04/15	
m,p-Xylenes	EPA 524.2	ND	0.50	ug/L	1	A513075	11/04/15	11/04/15	
Methyl-t-butyl ether	EPA 524.2	ND	0.50	ug/L	1	A513075	11/04/15	11/04/15	
Naphthalene	EPA 524.2	ND	0.50	ug/L	1	A513075	11/04/15	11/04/15	
n-Butylbenzene	EPA 524.2	ND	0.50	ug/L	1	A513075	11/04/15	11/04/15	
n-Propylbenzene	EPA 524.2	ND	0.50	ug/L	1	A513075	11/04/15	11/04/15	
o-Xylene	EPA 524.2	ND	0.50	ug/L	1	A513075	11/04/15	11/04/15	
p-Isopropyltoluene	EPA 524.2	ND	0.50	ug/L	1	A513075	11/04/15	11/04/15	
sec-Butylbenzene	EPA 524.2	ND	0.50	ug/L	1	A513075	11/04/15	11/04/15	
Styrene	EPA 524.2	ND	0.50	ug/L	1	A513075	11/04/15	11/04/15	BS1.0
tert-Amyl Methyl Ether (TAME)	EPA 524.2	ND	3.0	ug/L	1	A513075	11/04/15	11/04/15	
tert-Butyl alcohol (TBA)	EPA 524.2	ND	2.0	ug/L	1	A513075	11/04/15	11/04/15	
tert-Butylbenzene	EPA 524.2	ND	0.50	ug/L	1	A513075	11/04/15	11/04/15	
Tetrachloroethene (PCE)	EPA 524.2	ND	0.50	ug/L	1	A513075	11/04/15	11/04/15	
Toluene	EPA 524.2	14	0.50	ug/L	1	A513075	11/04/15	11/04/15	
trans-1,2-Dichloroethene	EPA 524.2	ND	0.50	ug/L	1	A513075	11/04/15	11/04/15	
trans-1,3-Dichloropropene	EPA 524.2	ND	0.50	ug/L	1	A513075	11/04/15	11/04/15	
Trichloroethene (TCE)	EPA 524.2	ND	0.50	ug/L	1	A513075	11/04/15	11/04/15	
Trichlorofluoromethane	EPA 524.2	ND	5.0	ug/L	1	A513075	11/04/15	11/04/15	
Vinyl Chloride	EPA 524.2	ND	0.50	ug/L	1	A513075	11/04/15	11/04/15	
Surrogate: 1,2-Dichlorobenzene-d4	EPA 524.2	99 %	*Acceptable range: 70-130 %*						
Surrogate: Bromofluorobenzene	EPA 524.2	100 %	*Acceptable range: 70-130 %*						
Total 1,3-Dichloropropene, EPA 524.2		ND	0.50	ug/L					
Total Trihalomethanes, EPA 524.2		ND	0.50	ug/L					
Total Xylenes, EPA 524.2		ND	0.50	ug/L					
Semi-Volatile Organics by GC-MS									
Alachlor	EPA 525.2	ND	1.0	ug/L	1	A513230	11/07/15	11/09/15	
Atrazine	EPA 525.2	ND	0.50	ug/L	1	A513230	11/07/15	11/09/15	
Benzo(a)pyrene	EPA 525.2	ND	0.10	ug/L	1	A513230	11/07/15	11/09/15	
Bis(2-ethylhexyl) adipate	EPA 525.2	ND	3.0	ug/L	1	A513230	11/07/15	11/09/15	
Bis(2-ethylhexyl) phthalate	EPA 525.2	ND	3.0	ug/L	1	A513230	11/07/15	11/09/15	
Bromacil	EPA 525.2	ND	10	ug/L	1	A513230	11/07/15	11/09/15	BS1.0
Butachlor	EPA 525.2	ND	0.38	ug/L	1	A513230	11/07/15	11/09/15	
Diazinon	EPA 525.2	ND	0.25	ug/L	1	A513230	11/07/15	11/09/15	
Dimethoate	EPA 525.2	ND	10	ug/L	1	A513230	11/07/15	11/09/15	
Metolachlor	EPA 525.2	ND	0.50	ug/L	1	A513230	11/07/15	11/09/15	

Certificate of Analysis

Sample ID: A5K0050-01
Sampled By: Nicholas Robles
Sample Description: New Well

Sample Date - Time: 11/02/15 - 12:55
Matrix: Water
Sample Type: Grab

Organics

Analyte	Method	Result	RL	Units	RL Multi	Batch	Prepared	Analyzed	Qual
Semi-Volatile Organics by GC-MS									
Metribuzin	EPA 525.2	ND	0.50	ug/L	1	A513230	11/07/15	11/09/15	
Molinate	EPA 525.2	ND	2.0	ug/L	1	A513230	11/07/15	11/09/15	
Propachlor	EPA 525.2	ND	0.50	ug/L	1	A513230	11/07/15	11/09/15	
Simazine	EPA 525.2	ND	1.0	ug/L	1	A513230	11/07/15	11/09/15	
Thiobencarb	EPA 525.2	ND	1.0	ug/L	1	A513230	11/07/15	11/09/15	
Surrogate: 1,3-Dimethyl-2-nitrobenzene	EPA 525.2	96 %	*Acceptable range: 70-130 %*						
Carbamates by HPLC									
3-Hydroxycarbofuran	EPA 531.1	ND	3.0	ug/L	1	A513108	11/04/15	11/05/15	
Aldicarb	EPA 531.1	ND	3.0	ug/L	1	A513108	11/04/15	11/05/15	
Aldicarb Sulfone	EPA 531.1	ND	2.0	ug/L	1	A513108	11/04/15	11/05/15	
Aldicarb Sulfoxide	EPA 531.1	ND	3.0	ug/L	1	A513108	11/04/15	11/05/15	
Carbaryl	EPA 531.1	ND	5.0	ug/L	1	A513108	11/04/15	11/05/15	
Carbofuran	EPA 531.1	ND	5.0	ug/L	1	A513108	11/04/15	11/05/15	
Methomyl	EPA 531.1	ND	2.0	ug/L	1	A513108	11/04/15	11/05/15	
Oxamyl	EPA 531.1	ND	20	ug/L	1	A513108	11/04/15	11/05/15	
Glyphosate by HPLC									
Glyphosate	EPA 547	ND	25	ug/L	1	A513000	11/02/15	11/02/15	
Surrogate: AMPA	EPA 547	134 %	*Acceptable range: 70-130 %*			*Qualifiers -*	*SR1.0*		
Endothall by GC-MS									
Endothall	EPA 548.1	ND	45	ug/L	1	A513123	11/04/15	11/05/15	
Diquat by HPLC									
Diquat	EPA 549.2	ND	4.0	ug/L	1	A513296	11/09/15	11/11/15	
1,2,3-Trichloropropane by GC-MS SIM									
1,2,3-Trichloropropane	CA DHS	ND	0.0050	ug/L	1	A513390	11/10/15	11/10/15	

BSK Associates Fresno

General Chemistry Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
EPA 218.6 - Quality Control											
Batch: A513030										Prepared: 11/3/2015	
Prep Method: Method Specific Preparation										Analyst: RCN	
Blank (A513030-BLK1)											
Hexavalent Chromium	ND	0.20	ug/L							11/03/15	
Blank Spike (A513030-BS1)											
Hexavalent Chromium	2.0	0.20	ug/L	2.0		100	90-110			11/03/15	
Blank Spike Dup (A513030-BSD1)											
Hexavalent Chromium	2.0	0.20	ug/L	2.0		100	90-110	1	10	11/03/15	
Matrix Spike (A513030-MS1), Source: A5K0078-05											
Hexavalent Chromium	2.0	0.20	ug/L	2.0	ND	99	90-110			11/03/15	
Matrix Spike Dup (A513030-MSD1), Source: A5K0078-05											
Hexavalent Chromium	1.9	0.20	ug/L	2.0	ND	97	90-110	2	10	11/03/15	
EPA 300.0 - Quality Control											
Batch: A512962										Prepared: 11/2/2015	
Prep Method: Method Specific Preparation										Analyst: BRA	
Blank (A512962-BLK1)											
Chloride	ND	1.0	mg/L							11/02/15	
Fluoride	ND	0.10	mg/L							11/02/15	
Nitrate as N	0.24	0.23	mg/L							11/02/15	B1.0
Nitrite as N	ND	0.050	mg/L							11/02/15	
Sulfate as SO4	ND	1.0	mg/L							11/02/15	
Blank Spike (A512962-BS1)											
Chloride	100	1.0	mg/L	100		100	90-110			11/02/15	
Fluoride	0.97	0.10	mg/L	1.0		97	90-110			11/02/15	
Nitrate as N	22	0.23	mg/L	23		98	90-110			11/02/15	
Nitrite as N	0.96	0.050	mg/L	1.0		96	90-110			11/02/15	
Sulfate as SO4	99	1.0	mg/L	100		99	90-110			11/02/15	
Blank Spike Dup (A512962-BSD1)											
Chloride	100	1.0	mg/L	100		100	90-110	0	20	11/02/15	
Fluoride	0.98	0.10	mg/L	1.0		98	90-110	1	10	11/02/15	
Nitrate as N	22	0.23	mg/L	23		98	90-110	0	20	11/02/15	
Nitrite as N	0.96	0.050	mg/L	1.0		96	90-110	0	20	11/02/15	
Sulfate as SO4	99	1.0	mg/L	100		99	90-110	0	20	11/02/15	
Matrix Spike (A512962-MS1), Source: A5K0078-01											
Chloride	240	1.0	mg/L	50	190	94	80-120			11/02/15	
Fluoride	0.65	0.10	mg/L	0.50	0.19	93	80-120			11/02/15	
Nitrate as N	13	0.23	mg/L	11	3.0	92	80-120			11/02/15	
Nitrite as N	0.43	0.050	mg/L	0.50	ND	86	80-120			11/02/15	
Sulfate as SO4	170	1.0	mg/L	50	120	98	80-120			11/02/15	

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Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
EPA 300.0 - Quality Control											
Batch: A512962										Prepared: 11/2/2015	
Prep Method: Method Specific Preparation										Analyst: BRA	
Matrix Spike (A512962-MS2), Source: A5K0078-02											
Chloride	110	1.0	mg/L	50	65	96	80-120			11/02/15	
Fluoride	0.73	0.10	mg/L	0.50	0.26	93	80-120			11/02/15	
Nitrate as N	13	0.23	mg/L	11	1.9	96	80-120			11/02/15	
Nitrite as N	0.44	0.050	mg/L	0.50	ND	89	80-120			11/02/15	
Sulfate as SO4	110	1.0	mg/L	50	65	97	80-120			11/02/15	
Matrix Spike Dup (A512962-MSD1), Source: A5K0078-01											
Chloride	240	1.0	mg/L	50	190	91	80-120	1	20	11/02/15	
Fluoride	0.65	0.10	mg/L	0.50	0.19	92	80-120	1	10	11/02/15	
Nitrate as N	13	0.23	mg/L	11	3.0	89	80-120	2	20	11/02/15	
Nitrite as N	0.42	0.050	mg/L	0.50	ND	85	80-120	1	20	11/02/15	
Sulfate as SO4	170	1.0	mg/L	50	120	96	80-120	1	20	11/02/15	
Matrix Spike Dup (A512962-MSD2), Source: A5K0078-02											
Chloride	110	1.0	mg/L	50	65	94	80-120	1	20	11/02/15	
Fluoride	0.73	0.10	mg/L	0.50	0.26	94	80-120	0	10	11/02/15	
Nitrate as N	13	0.23	mg/L	11	1.9	95	80-120	1	20	11/02/15	
Nitrite as N	0.44	0.050	mg/L	0.50	ND	88	80-120	1	20	11/02/15	
Sulfate as SO4	110	1.0	mg/L	50	65	96	80-120	1	20	11/02/15	
EPA 314.0 - Quality Control											
Batch: A513158										Prepared: 11/5/2015	
Prep Method: Method Specific Preparation										Analyst: RCN	
Blank (A513158-BLK1)											
Perchlorate	ND	2.0	ug/L							11/05/15	
Blank Spike (A513158-BS1)											
Perchlorate	17	2.0	ug/L	15		110	85-115			11/05/15	
Matrix Spike (A513158-MS1), Source: A5K0357-01											
Perchlorate	15	2.0	ug/L	10	4.2	106	80-120			11/06/15	
Matrix Spike Dup (A513158-MSD1), Source: A5K0357-01											
Perchlorate	14	2.0	ug/L	10	4.2	103	80-120	2	15	11/06/15	
SM 2120B - Quality Control											
Batch: A513006										Prepared: 11/3/2015	
Prep Method: Method Specific Preparation										Analyst: SNH	
Blank (A513006-BLK1)											
Color, Apparent	ND	5.0	CU							11/03/15	
Duplicate (A513006-DUP1), Source: A5K0050-01											

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Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
SM 2120B - Quality Control											
Batch: A513006										Prepared: 11/3/2015	
Prep Method: Method Specific Preparation										Analyst: SNH	
Duplicate (A513006-DUP1), Source: A5K0050-01											
Color, Apparent	50	25	CU		50			0	20	11/03/15	
SM 2130B - Quality Control											
Batch: A513006										Prepared: 11/3/2015	
Prep Method: Method Specific Preparation										Analyst: SNH	
Blank (A513006-BLK1)											
Turbidity	ND	0.10	NTU							11/03/15	
Duplicate (A513006-DUP1), Source: A5K0050-01											
Turbidity	10	0.10	NTU		10			0	20	11/03/15	
SM 2150B - Quality Control											
Batch: A513005										Prepared: 11/3/2015	
Prep Method: Method Specific Preparation										Analyst: SNH	
Blank (A513005-BLK1)											
Threshold Odor	ND	1.0	T.O.N.							11/03/15	
Blank (A513005-BLK2)											
Threshold Odor	ND	1.0	T.O.N.							11/03/15	
Blank (A513005-BLK3)											
Threshold Odor	ND	1.0	T.O.N.							11/03/15	
SM 2320B - Quality Control											
Batch: A512975										Prepared: 11/2/2015	
Prep Method: Method Specific Preparation										Analyst: CEG	
Blank (A512975-BLK1)											
Alkalinity as CaCO3	ND	3.0	mg/L							11/02/15	
Bicarbonate as CaCO3	ND	3.0	mg/L							11/02/15	
Carbonate as CaCO3	ND	3.0	mg/L							11/02/15	
Hydroxide as CaCO3	ND	3.0	mg/L							11/02/15	
Blank Spike (A512975-BS1)											
Alkalinity as CaCO3	93	3.0	mg/L	100		93	80-120			11/02/15	
Blank Spike Dup (A512975-BSD1)											
Alkalinity as CaCO3	94	3.0	mg/L	100		94	80-120	1	20	11/02/15	
Duplicate (A512975-DUP1), Source: A5K0026-10											
Alkalinity as CaCO3	74	3.0	mg/L		73			1	10	11/02/15	
Bicarbonate as CaCO3	74	3.0	mg/L		73			1	10	11/02/15	

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Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
SM 2320B - Quality Control											
Batch: A512975										Prepared: 11/2/2015	
Prep Method: Method Specific Preparation										Analyst: CEG	
Duplicate (A512975-DUP1), Source: A5K0026-10											
Carbonate as CaCO3	ND	3.0	mg/L		ND				10	11/02/15	
Hydroxide as CaCO3	ND	3.0	mg/L		ND				10	11/02/15	
Duplicate (A512975-DUP2), Source: A5K0078-05											
Alkalinity as CaCO3	18	3.0	mg/L		23			24	10	11/02/15	DP1.1
Bicarbonate as CaCO3	13	3.0	mg/L		15			14	10	11/02/15	DP1.1
Carbonate as CaCO3	5.8	3.0	mg/L		8.8			41	10	11/02/15	DP1.1
Hydroxide as CaCO3	ND	3.0	mg/L		ND				10	11/02/15	
SM 2510B - Quality Control											
Batch: A512975										Prepared: 11/2/2015	
Prep Method: Method Specific Preparation										Analyst: CEG	
Blank (A512975-BLK1)											
Conductivity @ 25C	ND	1.0	umhos/cm							11/02/15	
Duplicate (A512975-DUP1), Source: A5K0026-10											
Conductivity @ 25C	240	1.0	umhos/cm		240			0	20	11/02/15	
Duplicate (A512975-DUP2), Source: A5K0078-05											
Conductivity @ 25C	1400	1.0	umhos/cm		1400			0	20	11/02/15	
SM 2540C - Quality Control											
Batch: A513133										Prepared: 11/5/2015	
Prep Method: Method Specific Preparation										Analyst: DEH	
Blank (A513133-BLK1)											
Total Dissolved Solids	ND	5.0	mg/L							11/10/15	
Blank Spike (A513133-BS1)											
Total Dissolved Solids	990	5.0	mg/L	1000		99	70-130			11/10/15	
Duplicate (A513133-DUP1), Source: A5K0261-01											
Total Dissolved Solids	2000	5.0	mg/L		2000			1	20	11/10/15	
SM 4500-CN E - Quality Control											
Batch: A513206										Prepared: 11/6/2015	
Prep Method: Total Cyanide Distillation										Analyst: CEG	
Blank (A513206-BLK1)											
Cyanide (total)	ND	0.0050	mg/L							11/10/15	

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General Chemistry Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
SM 4500-CN E - Quality Control											
Batch: A513206										Prepared: 11/6/2015	
Prep Method: Total Cyanide Distillation										Analyst: CEG	
Blank Spike (A513206-BS1)											
Cyanide (total)	0.24	0.0050	mg/L	0.25		97	80-120			11/10/15	
Blank Spike Dup (A513206-BSD1)											
Cyanide (total)	0.23	0.0050	mg/L	0.25		91	80-120	6	20	11/10/15	
Matrix Spike (A513206-MS1), Source: A5K0569-02											
Cyanide (total)	0.22	0.0050	mg/L	0.25	ND	87	80-120			11/10/15	
Matrix Spike Dup (A513206-MSD1), Source: A5K0569-02											
Cyanide (total)	0.21	0.0050	mg/L	0.25	ND	86	80-120	2	20	11/10/15	
SM 4500-H+ B - Quality Control											
Batch: A512975										Prepared: 11/2/2015	
Prep Method: Method Specific Preparation										Analyst: CEG	
Duplicate (A512975-DUP1), Source: A5K0026-10											
pH (1)	7.8		pH Units		7.8			0	20	11/02/15	
Duplicate (A512975-DUP2), Source: A5K0078-05											
pH (1)	8.6		pH Units		8.9			3	20	11/02/15	
SM 5540C - Quality Control											
Batch: A513019										Prepared: 11/3/2015	
Prep Method: Method Specific Preparation										Analyst: SNH	
Blank (A513019-BLK1)											
MBAS, Calculated as LAS, mol wt 340	ND	0.050	mg/L							11/03/15	
Blank Spike (A513019-BS1)											
MBAS, Calculated as LAS, mol wt 340	0.97	0.050	mg/L	1.0		97	90-110			11/03/15	
Blank Spike Dup (A513019-BSD1)											
MBAS, Calculated as LAS, mol wt 340	0.95	0.050	mg/L	1.0		95	90-110	2	20	11/03/15	
Matrix Spike (A513019-MS1), Source: A5K0108-01											
MBAS, Calculated as LAS, mol wt 340	0.95	0.050	mg/L	1.0	ND	92	90-110			11/03/15	
Matrix Spike Dup (A513019-MSD1), Source: A5K0108-01											
MBAS, Calculated as LAS, mol wt 340	0.94	0.050	mg/L	1.0	ND	91	90-110	1	20	11/03/15	

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Metals Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
EPA 200.7 - Quality Control											
Batch: A513100										Prepared: 11/5/2015	
Prep Method: EPA 200.2										Analyst: NYY	
Blank (A513100-BLK2)											
Aluminum	ND	0.050	mg/L							11/10/15	
Barium	ND	0.050	mg/L							11/10/15	
Calcium	ND	0.10	mg/L							11/10/15	
Iron	ND	0.030	mg/L							11/10/15	
Magnesium	ND	0.10	mg/L							11/10/15	
Manganese	ND	0.010	mg/L							11/10/15	
Potassium	ND	2.0	mg/L							11/10/15	
Sodium	ND	1.0	mg/L							11/10/15	
Zinc	ND	0.050	mg/L							11/10/15	
Blank Spike (A513100-BS2)											
Aluminum	0.17	0.050	mg/L	0.20		86	85-115			11/10/15	
Barium	0.20	0.050	mg/L	0.20		99	85-115			11/10/15	
Calcium	10	0.10	mg/L	10		100	85-115			11/10/15	
Iron	1.9	0.030	mg/L	2.0		97	85-115			11/10/15	
Magnesium	9.9	0.10	mg/L	10		99	85-115			11/10/15	
Manganese	0.21	0.010	mg/L	0.20		103	85-115			11/10/15	
Potassium	9.8	2.0	mg/L	10		98	85-115			11/10/15	
Sodium	9.9	1.0	mg/L	10		99	85-115			11/10/15	
Zinc	0.20	0.050	mg/L	0.20		100	85-115			11/10/15	
Blank Spike Dup (A513100-BSD2)											
Aluminum	0.18	0.050	mg/L	0.20		91	85-115	6	20	11/10/15	
Barium	0.20	0.050	mg/L	0.20		99	85-115	0	20	11/10/15	
Calcium	10	0.10	mg/L	10		100	85-115	0	20	11/10/15	
Iron	2.0	0.030	mg/L	2.0		98	85-115	0	20	11/10/15	
Magnesium	9.9	0.10	mg/L	10		99	85-115	0	20	11/10/15	
Manganese	0.21	0.010	mg/L	0.20		103	85-115	1	20	11/10/15	
Potassium	9.8	2.0	mg/L	10		98	85-115	0	20	11/10/15	
Sodium	9.9	1.0	mg/L	10		99	85-115	0	20	11/10/15	
Zinc	0.20	0.050	mg/L	0.20		101	85-115	1	20	11/10/15	
Matrix Spike (A513100-MS3), Source: A5K0050-01											
Aluminum	0.28	0.050	mg/L	0.20	0.077	102	70-130			11/10/15	
Barium	0.28	0.050	mg/L	0.20	0.087	96	70-130			11/10/15	
Calcium	110	0.10	mg/L	10	100	102	70-130			11/10/15	
Iron	13	0.030	mg/L	2.0	11	99	70-130			11/10/15	
Magnesium	51	0.10	mg/L	10	41	103	70-130			11/10/15	
Manganese	0.38	0.010	mg/L	0.20	0.20	89	70-130			11/10/15	
Potassium	21	2.0	mg/L	10	11	104	70-130			11/10/15	
Sodium	1100	1.0	mg/L	10	1100	297	70-130			11/10/15	MS1.0 ***High***
Zinc	0.47	0.050	mg/L	0.20	0.28	98	70-130			11/10/15	
Matrix Spike (A513100-MS4), Source: A5K0108-01											
Aluminum	0.19	0.050	mg/L	0.20	ND	93	70-130			11/10/15	

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Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
EPA 200.7 - Quality Control											
Batch: A513100										Prepared: 11/5/2015	
Prep Method: EPA 200.2										Analyst: NYY	
Matrix Spike (A513100-MS4), Source: A5K0108-01											
Barium	0.21	0.050	mg/L	0.20	ND	106	70-130			11/10/15	
Calcium	19	0.10	mg/L	10	8.7	102	70-130			11/10/15	
Iron	2.4	0.030	mg/L	2.0	0.54	95	70-130			11/10/15	
Magnesium	12	0.10	mg/L	10	2.9	96	70-130			11/10/15	
Manganese	0.24	0.010	mg/L	0.20	0.045	95	70-130			11/10/15	
Potassium	11	2.0	mg/L	10	ND	99	70-130			11/10/15	
Sodium	170	1.0	mg/L	10	150	145	70-130			11/10/15	MS1.0 ***High***
Zinc	0.24	0.050	mg/L	0.20	ND	101	70-130			11/10/15	
Matrix Spike Dup (A513100-MSD3), Source: A5K0050-01											
Aluminum	0.29	0.050	mg/L	0.20	0.077	104	70-130	1	20	11/10/15	
Barium	0.27	0.050	mg/L	0.20	0.087	91	70-130	3	20	11/10/15	
Calcium	110	0.10	mg/L	10	100	53	70-130	5	20	11/10/15	MS1.0 ***Low***
Iron	12	0.030	mg/L	2.0	11	64	70-130	5	20	11/10/15	MS1.0 ***Low***
Magnesium	49	0.10	mg/L	10	41	83	70-130	4	20	11/10/15	
Manganese	0.37	0.010	mg/L	0.20	0.20	83	70-130	3	20	11/10/15	
Potassium	20	2.0	mg/L	10	11	96	70-130	4	20	11/10/15	
Sodium	1100	1.0	mg/L	10	1100	NR	70-130	7	20	11/10/15	MS1.0 ***Low***
Zinc	0.46	0.050	mg/L	0.20	0.28	91	70-130	3	20	11/10/15	
Matrix Spike Dup (A513100-MSD4), Source: A5K0108-01											
Aluminum	0.17	0.050	mg/L	0.20	ND	84	70-130	10	20	11/10/15	
Barium	0.21	0.050	mg/L	0.20	ND	107	70-130	1	20	11/10/15	
Calcium	19	0.10	mg/L	10	8.7	105	70-130	2	20	11/10/15	
Iron	2.5	0.030	mg/L	2.0	0.54	97	70-130	1	20	11/10/15	
Magnesium	13	0.10	mg/L	10	2.9	98	70-130	2	20	11/10/15	
Manganese	0.24	0.010	mg/L	0.20	0.045	97	70-130	1	20	11/10/15	
Potassium	11	2.0	mg/L	10	ND	101	70-130	2	20	11/10/15	
Sodium	170	1.0	mg/L	10	150	177	70-130	2	20	11/10/15	MS1.0 ***High***
Zinc	0.24	0.050	mg/L	0.20	ND	102	70-130	1	20	11/10/15	
EPA 200.8 - Quality Control											
Batch: A513100										Prepared: 11/5/2015	
Prep Method: EPA 200.2										Analyst: MAS	
Blank (A513100-BLK1)											
Antimony	ND	2.0	ug/L							11/10/15	
Arsenic	ND	2.0	ug/L							11/10/15	
Beryllium	ND	1.0	ug/L							11/10/15	
Cadmium	ND	1.0	ug/L							11/10/15	
Chromium	ND	10	ug/L							11/10/15	
Copper	ND	5.0	ug/L							11/10/15	
Lead	ND	5.0	ug/L							11/10/15	
Mercury	ND	0.20	ug/L							11/10/15	
Nickel	ND	10	ug/L							11/10/15	

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Metals Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
EPA 200.8 - Quality Control											
Batch: A513100										Prepared: 11/5/2015	
Prep Method: EPA 200.2										Analyst: MAS	
Blank (A513100-BLK1)											
Selenium	ND	2.0	ug/L							11/10/15	
Silver	ND	10	ug/L							11/10/15	
Thallium	ND	1.0	ug/L							11/10/15	
Uranium	ND	1.0	ug/L							11/10/15	
Blank Spike (A513100-BS1)											
Antimony	210	2.0	ug/L	200		106	85-115			11/10/15	
Arsenic	200	2.0	ug/L	200		99	85-115			11/10/15	
Beryllium	200	1.0	ug/L	200		101	85-115			11/10/15	
Cadmium	190	1.0	ug/L	200		95	85-115			11/10/15	
Chromium	200	10	ug/L	200		100	85-115			11/10/15	
Copper	190	5.0	ug/L	200		97	85-115			11/10/15	
Lead	470	5.0	ug/L	500		95	85-115			11/10/15	
Mercury	4.4	0.20	ug/L	5.0		87	85-115			11/10/15	
Nickel	190	10	ug/L	200		97	85-115			11/10/15	
Selenium	190	2.0	ug/L	200		95	85-115			11/10/15	
Silver	97	10	ug/L	100		97	75-125			11/10/15	
Thallium	180	1.0	ug/L	200		91	85-115			11/10/15	
Uranium	94	1.0	ug/L	100		94	85-115			11/10/15	
Blank Spike Dup (A513100-BSD1)											
Antimony	210	2.0	ug/L	200		104	85-115	2	20	11/10/15	
Arsenic	190	2.0	ug/L	200		94	85-115	5	20	11/10/15	
Beryllium	200	1.0	ug/L	200		98	85-115	4	20	11/10/15	
Cadmium	180	1.0	ug/L	200		91	85-115	4	20	11/10/15	
Chromium	190	10	ug/L	200		95	85-115	5	20	11/10/15	
Copper	190	5.0	ug/L	200		93	85-115	4	20	11/10/15	
Lead	460	5.0	ug/L	500		92	85-115	2	20	11/10/15	
Mercury	4.3	0.20	ug/L	5.0		86	85-115	2	20	11/10/15	
Nickel	190	10	ug/L	200		94	85-115	3	20	11/10/15	
Selenium	180	2.0	ug/L	200		90	85-115	5	20	11/10/15	
Silver	96	10	ug/L	100		96	75-125	1	20	11/10/15	
Thallium	180	1.0	ug/L	200		90	85-115	1	20	11/10/15	
Uranium	91	1.0	ug/L	100		91	85-115	3	20	11/10/15	
Matrix Spike (A513100-MS1), Source: A5K0050-01											
Antimony	200	2.0	ug/L	200	ND	98	70-130			11/10/15	
Arsenic	190	2.0	ug/L	200	3.3	95	70-130			11/10/15	
Beryllium	170	1.0	ug/L	200	ND	85	70-130			11/10/15	
Cadmium	160	1.0	ug/L	200	ND	80	70-130			11/10/15	
Chromium	190	10	ug/L	200	11	91	70-130			11/10/15	
Copper	190	5.0	ug/L	200	23	83	70-130			11/10/15	
Lead	400	5.0	ug/L	500	ND	79	70-130			11/10/15	
Mercury	3.7	0.20	ug/L	5.0	ND	75	70-130			11/10/15	
Nickel	170	10	ug/L	200	ND	83	70-130			11/10/15	

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Metals Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
EPA 200.8 - Quality Control											
Batch: A513100										Prepared: 11/5/2015	
Prep Method: EPA 200.2										Analyst: MAS	
Matrix Spike (A513100-MS1), Source: A5K0050-01											
Selenium	210	2.0	ug/L	200	21	94	70-130			11/10/15	
Silver	81	10	ug/L	100	ND	81	70-130			11/10/15	
Thallium	150	1.0	ug/L	200	ND	73	70-130			11/10/15	
Uranium	84	1.0	ug/L	100	ND	84	70-130			11/10/15	
Matrix Spike (A513100-MS2), Source: A5K0108-01											
Antimony	220	2.0	ug/L	200	ND	108	70-130			11/10/15	
Arsenic	200	2.0	ug/L	200	4.4	96	70-130			11/10/15	
Beryllium	200	1.0	ug/L	200	ND	100	70-130			11/10/15	
Cadmium	190	1.0	ug/L	200	ND	93	70-130			11/10/15	
Chromium	190	10	ug/L	200	ND	96	70-130			11/10/15	
Copper	180	5.0	ug/L	200	ND	88	70-130			11/10/15	
Lead	450	5.0	ug/L	500	ND	91	70-130			11/10/15	
Mercury	4.3	0.20	ug/L	5.0	ND	87	70-130			11/10/15	
Nickel	190	10	ug/L	200	ND	93	70-130			11/10/15	
Selenium	180	2.0	ug/L	200	ND	89	70-130			11/10/15	
Silver	93	10	ug/L	100	ND	93	70-130			11/10/15	
Thallium	170	1.0	ug/L	200	ND	85	70-130			11/10/15	
Uranium	93	1.0	ug/L	100	ND	93	70-130			11/10/15	
Matrix Spike Dup (A513100-MSD1), Source: A5K0050-01											
Antimony	190	2.0	ug/L	200	ND	95	70-130	3	20	11/10/15	
Arsenic	190	2.0	ug/L	200	3.3	93	70-130	2	20	11/10/15	
Beryllium	170	1.0	ug/L	200	ND	83	70-130	3	20	11/10/15	
Cadmium	160	1.0	ug/L	200	ND	78	70-130	3	20	11/10/15	
Chromium	190	10	ug/L	200	11	89	70-130	3	20	11/10/15	
Copper	190	5.0	ug/L	200	23	84	70-130	1	20	11/10/15	
Lead	380	5.0	ug/L	500	ND	76	70-130	4	20	11/10/15	
Mercury	3.7	0.20	ug/L	5.0	ND	75	70-130	1	20	11/10/15	
Nickel	160	10	ug/L	200	ND	81	70-130	2	20	11/10/15	
Selenium	200	2.0	ug/L	200	21	89	70-130	5	20	11/10/15	
Silver	80	10	ug/L	100	ND	80	70-130	2	20	11/10/15	
Thallium	140	1.0	ug/L	200	ND	70	70-130	4	20	11/10/15	
Uranium	82	1.0	ug/L	100	ND	82	70-130	3	20	11/10/15	
Matrix Spike Dup (A513100-MSD2), Source: A5K0108-01											
Antimony	220	2.0	ug/L	200	ND	108	70-130	0	20	11/10/15	
Arsenic	200	2.0	ug/L	200	4.4	99	70-130	2	20	11/10/15	
Beryllium	200	1.0	ug/L	200	ND	100	70-130	1	20	11/10/15	
Cadmium	190	1.0	ug/L	200	ND	93	70-130	1	20	11/10/15	
Chromium	200	10	ug/L	200	ND	99	70-130	3	20	11/10/15	
Copper	190	5.0	ug/L	200	ND	93	70-130	5	20	11/10/15	
Lead	450	5.0	ug/L	500	ND	91	70-130	0	20	11/10/15	
Mercury	4.3	0.20	ug/L	5.0	ND	87	70-130	1	20	11/10/15	
Nickel	190	10	ug/L	200	ND	95	70-130	2	20	11/10/15	

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Metals Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
EPA 200.8 - Quality Control											
Batch: A513100										Prepared: 11/5/2015	
Prep Method: EPA 200.2										Analyst: MAS	
Matrix Spike Dup (A513100-MSD2), Source: A5K0108-01											
Selenium	180	2.0	ug/L	200	ND	89	70-130	0	20	11/10/15	
Silver	92	10	ug/L	100	ND	92	70-130	1	20	11/10/15	
Thallium	170	1.0	ug/L	200	ND	85	70-130	0	20	11/10/15	
Uranium	93	1.0	ug/L	100	ND	93	70-130	0	20	11/10/15	

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Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
CA DHS - Quality Control											
Batch: A513390										Prepared: 11/10/2015	
Prep Method: no prep-volatiles										Analyst: AMN	
Blank (A513390-BLK1)											
1,2,3-Trichloropropane	ND	0.0050	ug/L							11/10/15	
Blank Spike (A513390-BS1)											
1,2,3-Trichloropropane	0.0046	0.0050	ug/L	0.0050		92	80-120			11/10/15	
Blank Spike Dup (A513390-BSD1)											
1,2,3-Trichloropropane	0.0047	0.0050	ug/L	0.0050		93	80-120	1	30	11/10/15	
Matrix Spike (A513390-MS1), Source: A5K0709-03											
1,2,3-Trichloropropane	0.028	0.0050	ug/L	0.0050	0.023	98	0-200			11/11/15	
EPA 504.1 - Quality Control											
Batch: A513129										Prepared: 11/5/2015	
Prep Method: EPA 505										Analyst: AAR	
Blank (A513129-BLK1)											
Dibromochloropropane (DBCP)	ND	0.010	ug/L							11/05/15	
Ethylene Dibromide (EDB)	ND	0.020	ug/L							11/05/15	
Surrogate: 1-Br-2-Nitrobenzene	*0.49*			*0.46*		*107*	*70-130*			11/05/15	
Blank Spike (A513129-BS1)											
Dibromochloropropane (DBCP)	0.21	0.010	ug/L	0.20		104	70-130			11/05/15	
Ethylene Dibromide (EDB)	0.21	0.020	ug/L	0.20		104	70-130			11/05/15	
Surrogate: 1-Br-2-Nitrobenzene	*0.48*			*0.46*		*104*	*70-130*			11/05/15	
Blank Spike Dup (A513129-BSD1)											
Dibromochloropropane (DBCP)	0.21	0.010	ug/L	0.20		104	70-130	1	20	11/06/15	
Ethylene Dibromide (EDB)	0.21	0.020	ug/L	0.20		105	70-130	0	20	11/06/15	
Surrogate: 1-Br-2-Nitrobenzene	*0.47*			*0.46*		*102*	*70-130*			11/06/15	
Matrix Spike (A513129-MS1), Source: A5K0050-01											
Dibromochloropropane (DBCP)	0.21	0.010	ug/L	0.20	ND	102	65-135			11/05/15	
Ethylene Dibromide (EDB)	0.21	0.020	ug/L	0.20	ND	105	65-135			11/05/15	
Surrogate: 1-Br-2-Nitrobenzene	*0.48*			*0.46*		*105*	*70-130*			11/05/15	
Matrix Spike Dup (A513129-MSD1), Source: A5K0050-01											
Dibromochloropropane (DBCP)	0.20	0.010	ug/L	0.20	ND	100	65-135	4	20	11/06/15	
Ethylene Dibromide (EDB)	0.20	0.020	ug/L	0.20	ND	102	65-135	4	20	11/06/15	
Surrogate: 1-Br-2-Nitrobenzene	*0.46*			*0.45*		*102*	*70-130*			11/06/15	
EPA 505 - Quality Control											
Batch: A513129										Prepared: 11/5/2015	
Prep Method: EPA 505										Analyst: AAR	
Blank (A513129-BLK1)											

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Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
EPA 505 - Quality Control											
Batch: A513129										Prepared: 11/5/2015	
Prep Method: EPA 505										Analyst: AAR	
Blank (A513129-BLK1)											
Aldrin	ND	0.075	ug/L							11/05/15	
Chlordane	ND	0.10	ug/L							11/05/15	
Dieldrin	ND	0.020	ug/L							11/05/15	
Endrin	ND	0.10	ug/L							11/05/15	
Heptachlor	ND	0.010	ug/L							11/05/15	
Heptachlor Epoxide	ND	0.010	ug/L							11/05/15	
Hexachlorobenzene	ND	0.50	ug/L							11/05/15	
Hexachlorocyclopentadiene	ND	1.0	ug/L							11/05/15	
Lindane	ND	0.20	ug/L							11/05/15	
Methoxychlor	ND	10	ug/L							11/05/15	
PCB Aroclor Screen	ND	0.50	ug/L							11/05/15	
Toxaphene	ND	1.0	ug/L							11/05/15	
Surrogate: 1-Br-2-Nitrobenzene	*0.49*			*0.46*		*107*	*70-130*			11/05/15	
Blank Spike (A513129-BS1)											
Aldrin	1.7	0.075	ug/L	1.5		111	70-130			11/05/15	
Dieldrin	0.41	0.020	ug/L	0.40		103	70-130			11/05/15	
Endrin	0.20	0.10	ug/L	0.20		101	70-130			11/05/15	
Heptachlor	0.20	0.010	ug/L	0.20		102	70-130			11/05/15	
Heptachlor Epoxide	0.20	0.010	ug/L	0.20		101	70-130			11/05/15	
Hexachlorobenzene	2.1	0.50	ug/L	2.0		104	70-130			11/05/15	
Hexachlorocyclopentadiene	2.3	1.0	ug/L	2.0		113	70-130			11/05/15	
Lindane	0.42	0.20	ug/L	0.40		104	70-130			11/05/15	
Methoxychlor	2.0	10	ug/L	2.0		99	70-130			11/05/15	
Surrogate: 1-Br-2-Nitrobenzene	*0.48*			*0.46*		*104*	*70-130*			11/05/15	
Blank Spike Dup (A513129-BSD1)											
Aldrin	1.7	0.075	ug/L	1.5		114	70-130	2	20	11/06/15	
Dieldrin	0.41	0.020	ug/L	0.40		103	70-130	0	20	11/06/15	
Endrin	0.19	0.10	ug/L	0.20		96	70-130	5	20	11/06/15	
Heptachlor	0.21	0.010	ug/L	0.20		105	70-130	3	20	11/06/15	
Heptachlor Epoxide	0.21	0.010	ug/L	0.20		103	70-130	2	20	11/06/15	
Hexachlorobenzene	2.1	0.50	ug/L	2.0		105	70-130	1	20	11/06/15	
Hexachlorocyclopentadiene	2.3	1.0	ug/L	2.0		115	70-130	2	20	11/06/15	
Lindane	0.41	0.20	ug/L	0.40		103	70-130	1	20	11/06/15	
Methoxychlor	2.1	10	ug/L	2.0		103	70-130	4	20	11/06/15	
Surrogate: 1-Br-2-Nitrobenzene	*0.47*			*0.46*		*102*	*70-130*			11/06/15	
Matrix Spike (A513129-MS1), Source: A5K0050-01											
Aldrin	1.6	0.075	ug/L	1.5	ND	108	65-135			11/05/15	
Dieldrin	0.41	0.020	ug/L	0.40	ND	101	65-135			11/05/15	
Endrin	0.19	0.10	ug/L	0.20	ND	97	65-135			11/05/15	
Heptachlor	0.21	0.010	ug/L	0.20	ND	102	65-135			11/05/15	
Heptachlor Epoxide	0.19	0.010	ug/L	0.20	ND	96	65-135			11/05/15	
Hexachlorobenzene	2.1	0.50	ug/L	2.0	ND	104	65-135			11/05/15	

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Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
EPA 505 - Quality Control											
Batch: A513129										Prepared: 11/5/2015	
Prep Method: EPA 505										Analyst: AAR	
Matrix Spike (A513129-MS1), Source: A5K0050-01											
Hexachlorocyclopentadiene	2.3	1.0	ug/L	2.0	ND	115	65-135			11/05/15	
Lindane	0.41	0.20	ug/L	0.40	ND	101	65-135			11/05/15	
Methoxychlor	2.0	10	ug/L	2.0	ND	100	65-135			11/05/15	
Surrogate: 1-Br-2-Nitrobenzene	*0.48*			*0.46*		*105*	*70-130*			11/05/15	
Matrix Spike Dup (A513129-MSD1), Source: A5K0050-01											
Aldrin	1.6	0.075	ug/L	1.5	ND	107	65-135	3	20	11/06/15	
Dieldrin	0.39	0.020	ug/L	0.40	ND	98	65-135	4	20	11/06/15	
Endrin	0.20	0.10	ug/L	0.20	ND	100	65-135	2	20	11/06/15	
Heptachlor	0.19	0.010	ug/L	0.20	ND	98	65-135	6	20	11/06/15	
Heptachlor Epoxide	0.20	0.010	ug/L	0.20	ND	102	65-135	5	20	11/06/15	
Hexachlorobenzene	2.0	0.50	ug/L	2.0	ND	101	65-135	4	20	11/06/15	
Hexachlorocyclopentadiene	2.2	1.0	ug/L	2.0	ND	111	65-135	4	20	11/06/15	
Lindane	0.40	0.20	ug/L	0.40	ND	100	65-135	3	20	11/06/15	
Methoxychlor	2.0	10	ug/L	2.0	ND	100	65-135	1	20	11/06/15	
Surrogate: 1-Br-2-Nitrobenzene	*0.46*			*0.45*		*102*	*70-130*			11/06/15	
EPA 515.3 - Quality Control											
Batch: A513189										Prepared: 11/6/2015	
Prep Method: EPA 515.3										Analyst: AAR	
Blank (A513189-BLK1)											
2,4,5-T	ND	1.0	ug/L							11/07/15	
2,4,5-TP (Silvex)	ND	1.0	ug/L							11/07/15	
2,4-D	ND	10	ug/L							11/07/15	
Bentazon	ND	2.0	ug/L							11/07/15	
Dalapon	ND	10	ug/L							11/07/15	
Dicamba	ND	1.5	ug/L							11/07/15	
Dinoseb	ND	2.0	ug/L							11/07/15	
Pentachlorophenol	ND	0.20	ug/L							11/07/15	
Picloram	ND	1.0	ug/L							11/07/15	
Surrogate: DCPAA	*56*			*58*		*97*	*70-130*			11/07/15	
Blank Spike (A513189-BS1)											
2,4,5-T	3.9	1.0	ug/L	4.0		98	70-130			11/07/15	
2,4,5-TP (Silvex)	0.79	1.0	ug/L	0.80		99	70-130			11/07/15	
2,4-D	0.41	10	ug/L	0.40		102	70-130			11/07/15	
Bentazon	8.0	2.0	ug/L	8.0		100	70-130			11/07/15	
Dalapon	4.2	10	ug/L	4.0		104	70-130			11/07/15	
Dicamba	6.1	1.5	ug/L	6.0		102	70-130			11/07/15	
Dinoseb	0.80	2.0	ug/L	0.80		99	70-130			11/07/15	
Pentachlorophenol	0.16	0.20	ug/L	0.16		99	70-130			11/07/15	
Picloram	0.41	1.0	ug/L	0.40		101	70-130			11/07/15	
Surrogate: DCPAA	*57*			*58*		*98*	*70-130*			11/07/15	

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Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
EPA 515.3 - Quality Control											
Batch: A513189										Prepared: 11/6/2015	
Prep Method: EPA 515.3										Analyst: AAR	
Blank Spike Dup (A513189-BSD1)											
2,4,5-T	3.9	1.0	ug/L	4.0		96	70-130	2	20	11/07/15	
2,4,5-TP (Silvex)	0.77	1.0	ug/L	0.80		96	70-130	3	20	11/07/15	
2,4-D	0.40	10	ug/L	0.40		99	70-130	2	20	11/07/15	
Bentazon	8.0	2.0	ug/L	8.0		99	70-130	0	20	11/07/15	
Dalapon	4.0	10	ug/L	4.0		101	70-130	3	20	11/07/15	
Dicamba	6.0	1.5	ug/L	6.0		100	70-130	2	20	11/07/15	
Dinoseb	0.81	2.0	ug/L	0.80		101	70-130	2	20	11/07/15	
Pentachlorophenol	0.16	0.20	ug/L	0.16		99	70-130	1	20	11/07/15	
Picloram	0.40	1.0	ug/L	0.40		99	70-130	2	20	11/07/15	
Surrogate: DCPAA	*57*			*58*		*99*	*70-130*			11/07/15	
Matrix Spike (A513189-MS1), Source: A5J2484-01											
2,4,5-T	3.9	1.0	ug/L	4.0	ND	98	70-130			11/07/15	
2,4,5-TP (Silvex)	0.77	1.0	ug/L	0.80	ND	96	70-130			11/07/15	
2,4-D	0.41	10	ug/L	0.40	ND	101	70-130			11/07/15	
Bentazon	8.0	2.0	ug/L	8.0	ND	101	70-130			11/07/15	
Dalapon	4.1	10	ug/L	4.0	ND	103	70-130			11/07/15	
Dicamba	6.0	1.5	ug/L	6.0	ND	100	70-130			11/07/15	
Dinoseb	0.79	2.0	ug/L	0.80	ND	99	70-130			11/07/15	
Pentachlorophenol	0.16	0.20	ug/L	0.16	ND	100	70-130			11/07/15	
Picloram	0.41	1.0	ug/L	0.40	ND	102	70-130			11/07/15	
Surrogate: DCPAA	*58*			*58*		*99*	*70-130*			11/07/15	
Matrix Spike Dup (A513189-MSD1), Source: A5J2484-01											
2,4,5-T	3.8	1.0	ug/L	4.0	ND	96	70-130	2	20	11/07/15	
2,4,5-TP (Silvex)	0.75	1.0	ug/L	0.80	ND	94	70-130	2	20	11/07/15	
2,4-D	0.38	10	ug/L	0.40	ND	96	70-130	6	20	11/07/15	
Bentazon	8.0	2.0	ug/L	8.0	ND	99	70-130	1	20	11/07/15	
Dalapon	4.1	10	ug/L	4.0	ND	102	70-130	1	20	11/07/15	
Dicamba	6.0	1.5	ug/L	6.0	ND	100	70-130	0	20	11/07/15	
Dinoseb	0.78	2.0	ug/L	0.80	ND	97	70-130	2	20	11/07/15	
Pentachlorophenol	0.16	0.20	ug/L	0.16	ND	99	70-130	1	20	11/07/15	
Picloram	0.41	1.0	ug/L	0.40	ND	103	70-130	1	20	11/07/15	
Surrogate: DCPAA	*57*			*58*		*99*	*70-130*			11/07/15	
EPA 524.2 - Quality Control											
Batch: A513075										Prepared: 11/4/2015	
Prep Method: EPA 524.2										Analyst: ANM	
Blank (A513075-BLK1)											
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L							11/04/15	
1,1,1-Trichloroethane	ND	0.50	ug/L							11/04/15	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L							11/04/15	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	10	ug/L							11/04/15	
1,1,2-Trichloroethane	ND	0.50	ug/L							11/04/15	

BSK Associates Fresno

Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual

EPA 524.2 - Quality Control

Batch: A513075 Prepared: 11/4/2015

Prep Method: EPA 524.2 Analyst: ANM

Blank (A513075-BLK1)

1,1-Dichloroethane	ND	0.50	ug/L							11/04/15	
1,1-Dichloroethene	ND	0.50	ug/L							11/04/15	
1,1-Dichloropropene	ND	0.50	ug/L							11/04/15	
1,2,3-Trichlorobenzene	ND	0.50	ug/L							11/04/15	
1,2,4-Trichlorobenzene	ND	0.50	ug/L							11/04/15	
1,2,4-Trimethylbenzene	ND	0.50	ug/L							11/04/15	
1,2-Dichlorobenzene	ND	0.50	ug/L							11/04/15	
1,2-Dichloroethane	ND	0.50	ug/L							11/04/15	
1,2-Dichloropropane	ND	0.50	ug/L							11/04/15	
1,3,5-Trimethylbenzene	ND	0.50	ug/L							11/04/15	
1,3-Dichlorobenzene	ND	0.50	ug/L							11/04/15	
1,3-Dichloropropane	ND	0.50	ug/L							11/04/15	
1,4-Dichlorobenzene	ND	0.50	ug/L							11/04/15	
2,2-Dichloropropane	ND	0.50	ug/L							11/04/15	
2-Butanone	ND	5.0	ug/L							11/04/15	
2-Chlorotoluene	ND	0.50	ug/L							11/04/15	
2-Hexanone	ND	10	ug/L							11/04/15	
4-Chlorotoluene	ND	0.50	ug/L							11/04/15	
4-Methyl-2-pentanone	ND	5.0	ug/L							11/04/15	
Acetone	ND	10	ug/L							11/04/15	
Benzene	ND	0.50	ug/L							11/04/15	
Bromobenzene	ND	0.50	ug/L							11/04/15	
Bromochloromethane	ND	0.50	ug/L							11/04/15	
Bromodichloromethane	ND	0.50	ug/L							11/04/15	
Bromoform	ND	0.50	ug/L							11/04/15	
Bromomethane	ND	0.50	ug/L							11/04/15	
Carbon Tetrachloride	ND	0.50	ug/L							11/04/15	
Chlorobenzene	ND	0.50	ug/L							11/04/15	
Chloroethane	ND	0.50	ug/L							11/04/15	
Chloroform	ND	0.50	ug/L							11/04/15	
Chloromethane	ND	0.50	ug/L							11/04/15	
cis-1,2-Dichloroethene	ND	0.50	ug/L							11/04/15	
cis-1,3-Dichloropropene	ND	0.50	ug/L							11/04/15	
Dibromochloromethane	ND	0.50	ug/L							11/04/15	
Dibromomethane	ND	0.50	ug/L							11/04/15	
Dichlorodifluoromethane	ND	0.50	ug/L							11/04/15	
Dichloromethane	ND	0.50	ug/L							11/04/15	
Di-isopropyl ether (DIPE)	ND	3.0	ug/L							11/04/15	
Ethyl tert-Butyl Ether (ETBE)	ND	0.50	ug/L							11/04/15	
Ethylbenzene	ND	0.50	ug/L							11/04/15	
Hexachlorobutadiene	ND	0.50	ug/L							11/04/15	
Isopropylbenzene	ND	0.50	ug/L							11/04/15	
m,p-Xylenes	ND	0.50	ug/L							11/04/15	
Methyl-t-butyl ether	ND	0.50	ug/L							11/04/15	
Naphthalene	ND	0.50	ug/L							11/04/15	

BSK Associates Fresno

Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
EPA 524.2 - Quality Control											
Batch: A513075										Prepared: 11/4/2015	
Prep Method: EPA 524.2										Analyst: ANM	
Blank (A513075-BLK1)											
n-Butylbenzene	ND	0.50	ug/L							11/04/15	
n-Propylbenzene	ND	0.50	ug/L							11/04/15	
o-Xylene	ND	0.50	ug/L							11/04/15	
p-Isopropyltoluene	ND	0.50	ug/L							11/04/15	
sec-Butylbenzene	ND	0.50	ug/L							11/04/15	
Styrene	ND	0.50	ug/L							11/04/15	
tert-Amyl Methyl Ether (TAME)	ND	3.0	ug/L							11/04/15	
tert-Butyl alcohol (TBA)	ND	2.0	ug/L							11/04/15	
tert-Butylbenzene	ND	0.50	ug/L							11/04/15	
Tetrachloroethene (PCE)	ND	0.50	ug/L							11/04/15	
Toluene	ND	0.50	ug/L							11/04/15	
trans-1,2-Dichloroethene	ND	0.50	ug/L							11/04/15	
trans-1,3-Dichloropropene	ND	0.50	ug/L							11/04/15	
Trichloroethene (TCE)	ND	0.50	ug/L							11/04/15	
Trichlorofluoromethane	ND	5.0	ug/L							11/04/15	
Vinyl Chloride	ND	0.50	ug/L							11/04/15	
Surrogate: 1,2-Dichlorobenzene-d4	*47*			*50*		*94*	*70-130*			11/04/15	
Surrogate: Bromofluorobenzene	*47*			*50*		*95*	*70-130*			11/04/15	
Blank Spike (A513075-BS1)											
1,1,1,2-Tetrachloroethane	9.3	0.50	ug/L	10		93	70-130			11/04/15	
1,1,1-Trichloroethane	9.7	0.50	ug/L	10		97	70-130			11/04/15	
1,1,2,2-Tetrachloroethane	10	0.50	ug/L	10		101	70-130			11/04/15	
1,1,2-Trichloro-1,2,2-trifluoroethane	9.7	10	ug/L	10		97	70-130			11/04/15	
1,1,2-Trichloroethane	9.8	0.50	ug/L	10		98	70-130			11/04/15	
1,1-Dichloroethane	9.9	0.50	ug/L	10		99	70-130			11/04/15	
1,1-Dichloroethene	9.8	0.50	ug/L	10		98	70-130			11/04/15	
1,1-Dichloropropene	9.7	0.50	ug/L	10		97	70-130			11/04/15	
1,2,3-Trichlorobenzene	8.6	0.50	ug/L	10		86	70-130			11/04/15	
1,2,4-Trichlorobenzene	9.0	0.50	ug/L	10		90	70-130			11/04/15	
1,2,4-Trimethylbenzene	9.3	0.50	ug/L	10		93	70-130			11/04/15	
1,2-Dichlorobenzene	9.3	0.50	ug/L	10		93	70-130			11/04/15	
1,2-Dichloroethane	9.8	0.50	ug/L	10		98	70-130			11/04/15	
1,2-Dichloropropane	10	0.50	ug/L	10		100	70-130			11/04/15	
1,3,5-Trimethylbenzene	9.8	0.50	ug/L	10		98	70-130			11/04/15	
1,3-Dichlorobenzene	9.2	0.50	ug/L	10		92	70-130			11/04/15	
1,3-Dichloropropane	9.9	0.50	ug/L	10		99	70-130			11/04/15	
1,4-Dichlorobenzene	9.2	0.50	ug/L	10		92	70-130			11/04/15	
2,2-Dichloropropane	9.8	0.50	ug/L	10		98	70-130			11/04/15	
2-Butanone	11	5.0	ug/L	10		110	70-130			11/04/15	
2-Chlorotoluene	9.4	0.50	ug/L	10		94	70-130			11/04/15	
2-Hexanone	11	10	ug/L	10		106	70-130			11/04/15	
4-Chlorotoluene	9.3	0.50	ug/L	10		93	70-130			11/04/15	
4-Methyl-2-pentanone	10	5.0	ug/L	10		104	70-130			11/04/15	
Acetone	11	10	ug/L	10		109	70-130			11/04/15	

BSK Associates Fresno
Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual	
EPA 524.2 - Quality Control												
Batch: A513075										Prepared: 11/4/2015		
Prep Method: EPA 524.2										Analyst: ANM		
Blank Spike (A513075-BS1)												
Benzene	9.8	0.50	ug/L	10		98	70-130			11/04/15		
Bromobenzene	9.8	0.50	ug/L	10		98	70-130			11/04/15		
Bromochloromethane	10	0.50	ug/L	10		100	70-130			11/04/15		
Bromodichloromethane	9.9	0.50	ug/L	10		99	70-130			11/04/15		
Bromoform	9.7	0.50	ug/L	10		97	70-130			11/04/15		
Bromomethane	13	0.50	ug/L	10		135	70-130			11/04/15	BS	*High*
Carbon Tetrachloride	9.6	0.50	ug/L	10		96	70-130			11/04/15		
Chlorobenzene	9.5	0.50	ug/L	10		95	70-130			11/04/15		
Chloroethane	11	0.50	ug/L	10		106	70-130			11/04/15		
Chloroform	9.9	0.50	ug/L	10		99	70-130			11/04/15		
Chloromethane	12	0.50	ug/L	10		118	70-130			11/04/15		
cis-1,2-Dichloroethene	9.8	0.50	ug/L	10		98	70-130			11/04/15		
cis-1,3-Dichloropropene	9.8	0.50	ug/L	10		98	70-130			11/04/15		
Dibromochloromethane	9.5	0.50	ug/L	10		95	70-130			11/04/15		
Dibromomethane	10	0.50	ug/L	10		100	70-130			11/04/15		
Dichlorodifluoromethane	12	0.50	ug/L	10		115	70-130			11/04/15		
Dichloromethane	9.7	0.50	ug/L	10		97	70-130			11/04/15		
Di-isopropyl ether (DIPE)	9.8	3.0	ug/L	10		98	70-130			11/04/15		
Ethyl tert-Butyl Ether (ETBE)	9.7	0.50	ug/L	10		97	70-130			11/04/15		
Ethylbenzene	9.6	0.50	ug/L	10		96	70-130			11/04/15		
Hexachlorobutadiene	8.6	0.50	ug/L	10		86	70-130			11/04/15		
Isopropylbenzene	9.4	0.50	ug/L	10		94	70-130			11/04/15		
m,p-Xylenes	19	0.50	ug/L	20		96	70-130			11/04/15		
Methyl-t-butyl ether	20	0.50	ug/L	20		100	70-130			11/04/15		
Naphthalene	8.2	0.50	ug/L	10		82	70-130			11/04/15		
n-Butylbenzene	9.5	0.50	ug/L	10		95	70-130			11/04/15		
n-Propylbenzene	9.8	0.50	ug/L	10		98	70-130			11/04/15		
o-Xylene	9.6	0.50	ug/L	10		96	70-130			11/04/15		
p-Isopropyltoluene	9.0	0.50	ug/L	10		90	70-130			11/04/15		
sec-Butylbenzene	9.1	0.50	ug/L	10		91	70-130			11/04/15		
Styrene	14	0.50	ug/L	10		137	70-130			11/04/15	BS	*High*
tert-Amyl Methyl Ether (TAME)	9.7	3.0	ug/L	10		97	70-130			11/04/15		
tert-Butyl alcohol (TBA)	8.9	2.0	ug/L	10		89	70-130			11/04/15		
tert-Butylbenzene	9.2	0.50	ug/L	10		92	70-130			11/04/15		
Tetrachloroethene (PCE)	9.1	0.50	ug/L	10		91	70-130			11/04/15		
Toluene	9.5	0.50	ug/L	10		95	70-130			11/04/15		
trans-1,2-Dichloroethene	9.9	0.50	ug/L	10		99	70-130			11/04/15		
trans-1,3-Dichloropropene	9.7	0.50	ug/L	10		97	70-130			11/04/15		
Trichloroethene (TCE)	9.5	0.50	ug/L	10		95	70-130			11/04/15		
Trichlorofluoromethane	10	5.0	ug/L	10		105	70-130			11/04/15		
Vinyl Chloride	11	0.50	ug/L	10		111	70-130			11/04/15		
Surrogate: 1,2-Dichlorobenzene-d4	*49*			*50*		*98*	*70-130*			11/04/15		
Surrogate: Bromofluorobenzene	*49*			*50*		*97*	*70-130*			11/04/15		
Blank Spike Dup (A513075-BSD1)												

BSK Associates Fresno
Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual	

EPA 524.2 - Quality Control

Batch: A513075 Prepared: 11/4/2015

Prep Method: EPA 524.2 Analyst: ANM

Blank Spike Dup (A513075-BSD1)

1,1,1,2-Tetrachloroethane	9.7	0.50	ug/L	10	97	70-130	4	30	11/04/15		
1,1,1-Trichloroethane	9.8	0.50	ug/L	10	98	70-130	1	30	11/04/15		
1,1,2,2-Tetrachloroethane	11	0.50	ug/L	10	105	70-130	4	30	11/04/15		
1,1,2-Trichloro-1,2,2-trifluoroethane	10	10	ug/L	10	101	70-130	4	30	11/04/15		
1,1,2-Trichloroethane	10	0.50	ug/L	10	101	70-130	3	30	11/04/15		
1,1-Dichloroethane	10	0.50	ug/L	10	101	70-130	1	30	11/04/15		
1,1-Dichloroethene	9.9	0.50	ug/L	10	99	70-130	1	30	11/04/15		
1,1-Dichloropropene	10	0.50	ug/L	10	100	70-130	3	30	11/04/15		
1,2,3-Trichlorobenzene	9.2	0.50	ug/L	10	92	70-130	7	30	11/04/15		
1,2,4-Trichlorobenzene	9.6	0.50	ug/L	10	96	70-130	7	30	11/04/15		
1,2,4-Trimethylbenzene	9.6	0.50	ug/L	10	96	70-130	3	30	11/04/15		
1,2-Dichlorobenzene	9.6	0.50	ug/L	10	96	70-130	3	30	11/04/15		
1,2-Dichloroethane	10	0.50	ug/L	10	102	70-130	3	30	11/04/15		
1,2-Dichloropropane	10	0.50	ug/L	10	102	70-130	2	30	11/04/15		
1,3,5-Trimethylbenzene	10	0.50	ug/L	10	101	70-130	4	30	11/04/15		
1,3-Dichlorobenzene	9.5	0.50	ug/L	10	95	70-130	4	30	11/04/15		
1,3-Dichloropropane	10	0.50	ug/L	10	101	70-130	2	30	11/04/15		
1,4-Dichlorobenzene	9.6	0.50	ug/L	10	96	70-130	5	30	11/04/15		
2,2-Dichloropropane	9.9	0.50	ug/L	10	99	70-130	1	30	11/04/15		
2-Butanone	11	5.0	ug/L	10	113	70-130	3	30	11/04/15		
2-Chlorotoluene	9.7	0.50	ug/L	10	97	70-130	3	30	11/04/15		
2-Hexanone	11	10	ug/L	10	109	70-130	3	30	11/04/15		
4-Chlorotoluene	9.6	0.50	ug/L	10	96	70-130	3	30	11/04/15		
4-Methyl-2-pentanone	11	5.0	ug/L	10	109	70-130	5	30	11/04/15		
Acetone	11	10	ug/L	10	111	70-130	2	30	11/04/15		
Benzene	9.9	0.50	ug/L	10	99	70-130	1	30	11/04/15		
Bromobenzene	10	0.50	ug/L	10	101	70-130	4	30	11/04/15		
Bromochloromethane	9.8	0.50	ug/L	10	98	70-130	3	30	11/04/15		
Bromodichloromethane	10	0.50	ug/L	10	101	70-130	2	30	11/04/15		
Bromoform	10	0.50	ug/L	10	100	70-130	3	30	11/04/15		
Bromomethane	13	0.50	ug/L	10	132	70-130	2	30	11/04/15	BS	*High*
Carbon Tetrachloride	9.8	0.50	ug/L	10	98	70-130	1	30	11/04/15		
Chlorobenzene	9.8	0.50	ug/L	10	98	70-130	3	30	11/04/15		
Chloroethane	11	0.50	ug/L	10	106	70-130	0	30	11/04/15		
Chloroform	10	0.50	ug/L	10	101	70-130	2	30	11/04/15		
Chloromethane	11	0.50	ug/L	10	114	70-130	4	30	11/04/15		
cis-1,2-Dichloroethene	9.8	0.50	ug/L	10	98	70-130	1	30	11/04/15		
cis-1,3-Dichloropropene	10	0.50	ug/L	10	100	70-130	2	30	11/04/15		
Dibromochloromethane	9.7	0.50	ug/L	10	97	70-130	2	30	11/04/15		
Dibromomethane	10	0.50	ug/L	10	102	70-130	1	30	11/04/15		
Dichlorodifluoromethane	11	0.50	ug/L	10	114	70-130	1	30	11/04/15		
Dichloromethane	9.8	0.50	ug/L	10	98	70-130	1	30	11/04/15		
Di-isopropyl ether (DIPE)	10	3.0	ug/L	10	101	70-130	3	30	11/04/15		
Ethyl tert-Butyl Ether (ETBE)	10	0.50	ug/L	10	100	70-130	3	30	11/04/15		
Ethylbenzene	9.7	0.50	ug/L	10	97	70-130	2	30	11/04/15		

BSK Associates Engineers & Laboratories

BSK Associates Fresno
Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual	
EPA 524.2 - Quality Control												
Batch: A513075										Prepared: 11/4/2015		
Prep Method: EPA 524.2										Analyst: ANM		
Blank Spike Dup (A513075-BSD1)												
Hexachlorobutadiene	9.1	0.50	ug/L	10		91	70-130	6	30	11/04/15		
Isopropylbenzene	9.6	0.50	ug/L	10		96	70-130	2	30	11/04/15		
m,p-Xylenes	20	0.50	ug/L	20		99	70-130	2	30	11/04/15		
Methyl-t-butyl ether	20	0.50	ug/L	20		102	70-130	2	30	11/04/15		
Naphthalene	9.2	0.50	ug/L	10		92	70-130	11	30	11/04/15		
n-Butylbenzene	10	0.50	ug/L	10		101	70-130	6	30	11/04/15		
n-Propylbenzene	10	0.50	ug/L	10		101	70-130	3	30	11/04/15		
o-Xylene	9.8	0.50	ug/L	10		98	70-130	1	30	11/04/15		
p-Isopropyltoluene	9.4	0.50	ug/L	10		94	70-130	5	30	11/04/15		
sec-Butylbenzene	9.6	0.50	ug/L	10		96	70-130	5	30	11/04/15		
Styrene	14	0.50	ug/L	10		140	70-130	2	30	11/04/15	BS	*High*
tert-Amyl Methyl Ether (TAME)	10	3.0	ug/L	10		100	70-130	3	30	11/04/15		
tert-Butyl alcohol (TBA)	9.4	2.0	ug/L	10		94	70-130	5	30	11/04/15		
tert-Butylbenzene	9.5	0.50	ug/L	10		95	70-130	4	30	11/04/15		
Tetrachloroethene (PCE)	9.5	0.50	ug/L	10		95	70-130	4	30	11/04/15		
Toluene	9.9	0.50	ug/L	10		99	70-130	4	30	11/04/15		
trans-1,2-Dichloroethene	10	0.50	ug/L	10		100	70-130	1	30	11/04/15		
trans-1,3-Dichloropropene	9.9	0.50	ug/L	10		99	70-130	2	30	11/04/15		
Trichloroethene (TCE)	9.7	0.50	ug/L	10		97	70-130	2	30	11/04/15		
Trichlorofluoromethane	10	5.0	ug/L	10		101	70-130	3	30	11/04/15		
Vinyl Chloride	11	0.50	ug/L	10		107	70-130	4	30	11/04/15		
Surrogate: 1,2-Dichlorobenzene-d4	*48*			*50*		*96*	*70-130*			11/04/15		
Surrogate: Bromofluorobenzene	*48*			*50*		*96*	*70-130*			11/04/15		
Matrix Spike (A513075-MS1), Source: A5K0255-01												
1,1,1,2-Tetrachloroethane	9.2	0.50	ug/L	10	ND	92	41-156			11/04/15		
1,1,1-Trichloroethane	10	0.50	ug/L	10	ND	102	48-160			11/04/15		
1,1,2,2-Tetrachloroethane	9.9	0.50	ug/L	10	ND	99	42-151			11/04/15		
1,1,2-Trichloro-1,2,2-trifluoroethane	11	10	ug/L	10	ND	106	47-164			11/04/15		
1,1,2-Trichloroethane	9.8	0.50	ug/L	10	ND	98	45-152			11/04/15		
1,1-Dichloroethane	10	0.50	ug/L	10	ND	102	48-157			11/04/15		
1,1-Dichloroethene	11	0.50	ug/L	10	ND	106	51-158			11/04/15		
1,1-Dichloropropene	10	0.50	ug/L	10	ND	104	46-162			11/04/15		
1,2,3-Trichlorobenzene	9.4	0.50	ug/L	10	ND	94	37-145			11/04/15		
1,2,4-Trichlorobenzene	9.9	0.50	ug/L	10	ND	99	33-149			11/04/15		
1,2,4-Trimethylbenzene	9.9	0.50	ug/L	10	ND	99	44-146			11/04/15		
1,2-Dichlorobenzene	9.8	0.50	ug/L	10	ND	98	44-146			11/04/15		
1,2-Dichloroethane	9.9	0.50	ug/L	10	ND	99	47-151			11/04/15		
1,2-Dichloropropane	10	0.50	ug/L	10	ND	101	47-155			11/04/15		
1,3,5-Trimethylbenzene	11	0.50	ug/L	10	ND	105	45-154			11/04/15		
1,3-Dichlorobenzene	9.8	0.50	ug/L	10	ND	98	44-146			11/04/15		
1,3-Dichloropropane	9.8	0.50	ug/L	10	ND	98	45-151			11/04/15		
1,4-Dichlorobenzene	9.8	0.50	ug/L	10	ND	98	43-146			11/04/15		
2,2-Dichloropropane	10	0.50	ug/L	10	ND	102	24-182			11/04/15		
2-Butanone	14	5.0	ug/L	10	ND	140	55-144			11/04/15		

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Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual

EPA 524.2 - Quality Control

Batch: A513075 Prepared: 11/4/2015

Prep Method: EPA 524.2 Analyst: ANM

Matrix Spike (A513075-MS1), Source: A5K0255-01

2-Chlorotoluene	10	0.50	ug/L	10	ND	100	48-150		11/04/15	
2-Hexanone	11	10	ug/L	10	ND	113	40-159		11/04/15	
4-Chlorotoluene	9.9	0.50	ug/L	10	ND	99	43-150		11/04/15	
4-Methyl-2-pentanone	9.8	5.0	ug/L	10	ND	98	30-171		11/04/15	
Acetone	20	10	ug/L	10	ND	200	27-181		11/04/15	MS1.0 *High*
Benzene	10	0.50	ug/L	10	ND	101	48-155		11/04/15	
Bromobenzene	9.9	0.50	ug/L	10	ND	99	43-151		11/04/15	
Bromochloromethane	11	0.50	ug/L	10	ND	106	48-161		11/04/15	
Bromodichloromethane	10	0.50	ug/L	10	ND	100	47-151		11/04/15	
Bromoform	11	0.50	ug/L	10	1.0	99	29-162		11/04/15	
Bromomethane	16	0.50	ug/L	10	ND	157	10-200		11/04/15	
Carbon Tetrachloride	10	0.50	ug/L	10	ND	101	47-163		11/04/15	
Chlorobenzene	9.7	0.50	ug/L	10	ND	97	46-152		11/04/15	
Chloroethane	12	0.50	ug/L	10	ND	117	28-189		11/04/15	
Chloroform	10	0.50	ug/L	10	ND	104	52-148		11/04/15	
Chloromethane	13	0.50	ug/L	10	ND	128	53-159		11/04/15	
cis-1,2-Dichloroethene	9.9	0.50	ug/L	10	ND	99	50-152		11/04/15	
cis-1,3-Dichloropropene	9.7	0.50	ug/L	10	ND	97	34-156		11/04/15	
Dibromochloromethane	9.7	0.50	ug/L	10	ND	94	44-149		11/04/15	
Dibromomethane	9.9	0.50	ug/L	10	ND	99	46-150		11/04/15	
Dichlorodifluoromethane	14	0.50	ug/L	10	ND	136	33-170		11/04/15	
Dichloromethane	11	0.50	ug/L	10	ND	106	47-156		11/04/15	
Di-isopropyl ether (DIPE)	9.6	3.0	ug/L	10	ND	96	41-159		11/04/15	
Ethyl tert-Butyl Ether (ETBE)	9.5	0.50	ug/L	10	ND	95	32-160		11/04/15	
Ethylbenzene	10	0.50	ug/L	10	ND	100	40-157		11/04/15	
Hexachlorobutadiene	9.9	0.50	ug/L	10	ND	99	38-151		11/04/15	
Isopropylbenzene	10	0.50	ug/L	10	ND	100	41-156		11/04/15	
m,p-Xylenes	20	0.50	ug/L	20	ND	101	49-154		11/04/15	
Methyl-t-butyl ether	19	0.50	ug/L	20	ND	97	41-156		11/04/15	
Naphthalene	8.4	0.50	ug/L	10	ND	80	35-154		11/04/15	
n-Butylbenzene	11	0.50	ug/L	10	ND	109	31-153		11/04/15	
n-Propylbenzene	11	0.50	ug/L	10	ND	106	39-156		11/04/15	
o-Xylene	9.9	0.50	ug/L	10	ND	99	27-164		11/04/15	
p-Isopropyltoluene	10	0.50	ug/L	10	ND	101	26-161		11/04/15	
sec-Butylbenzene	10	0.50	ug/L	10	ND	102	39-154		11/04/15	
Styrene	14	0.50	ug/L	10	ND	140	10-200		11/04/15	
tert-Amyl Methyl Ether (TAME)	9.6	3.0	ug/L	10	ND	96	24-161		11/04/15	
tert-Butyl alcohol (TBA)	8.9	2.0	ug/L	10	ND	89	22-174		11/04/15	
tert-Butylbenzene	9.9	0.50	ug/L	10	ND	99	40-153		11/04/15	
Tetrachloroethene (PCE)	9.6	0.50	ug/L	10	ND	96	48-155		11/04/15	
Toluene	9.8	0.50	ug/L	10	ND	98	40-159		11/04/15	
trans-1,2-Dichloroethene	10	0.50	ug/L	10	ND	102	52-157		11/04/15	
trans-1,3-Dichloropropene	9.5	0.50	ug/L	10	ND	95	28-160		11/04/15	
Trichloroethene (TCE)	10	0.50	ug/L	10	ND	100	49-155		11/04/15	
Trichlorofluoromethane	16	5.0	ug/L	10	ND	155	47-169		11/04/15	

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Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
EPA 524.2 - Quality Control											
Batch: A513075										Prepared: 11/4/2015	
Prep Method: EPA 524.2										Analyst: ANM	
Matrix Spike (A513075-MS1), Source: A5K0255-01											
Vinyl Chloride	13	0.50	ug/L	10	ND	132	21-183			11/04/15	
Surrogate: 1,2-Dichlorobenzene-d4	*51*			*50*		*102*	*70-130*			11/04/15	
Surrogate: Bromofluorobenzene	*50*			*50*		*99*	*70-130*			11/04/15	
EPA 525.2 - Quality Control											
Batch: A513230										Prepared: 11/7/2015	
Prep Method: EPA 525.2										Analyst: MTM	
Blank (A513230-BLK1)											
Alachlor	ND	1.0	ug/L							11/09/15	
Atrazine	ND	0.50	ug/L							11/09/15	
Benzo(a)pyrene	ND	0.10	ug/L							11/09/15	
Bis(2-ethylhexyl) adipate	ND	3.0	ug/L							11/09/15	
Bis(2-ethylhexyl) phthalate	ND	3.0	ug/L							11/09/15	
Bromacil	ND	10	ug/L							11/09/15	
Butachlor	ND	0.38	ug/L							11/09/15	
Diazinon	ND	0.25	ug/L							11/09/15	
Dimethoate	ND	10	ug/L							11/09/15	
Metolachlor	ND	0.50	ug/L							11/09/15	
Metribuzin	ND	0.50	ug/L							11/09/15	
Molinate	ND	2.0	ug/L							11/09/15	
Propachlor	ND	0.50	ug/L							11/09/15	
Simazine	ND	1.0	ug/L							11/09/15	
Thiobencarb	ND	1.0	ug/L							11/09/15	
Surrogate: 1,3-Dimethyl-2-nitrobenzene	*5.0*			*5.0*		*100*	*70-130*			11/09/15	
Blank Spike (A513230-BS1)											
Alachlor	0.94	1.0	ug/L	1.0		94	70-130			11/09/15	
Atrazine	0.50	0.50	ug/L	0.50		100	70-130			11/09/15	
Benzo(a)pyrene	0.099	0.10	ug/L	0.10		99	70-130			11/09/15	
Bis(2-ethylhexyl) adipate	2.0	3.0	ug/L	2.0		98	70-130			11/09/15	
Bis(2-ethylhexyl) phthalate	1.6	3.0	ug/L	1.5		105	70-130			11/09/15	
Bromacil	1.3	10	ug/L	1.0		133	70-130			11/09/15	BS ***High***
Butachlor	0.99	0.38	ug/L	1.0		99	70-130			11/09/15	
Diazinon	0.17	0.25	ug/L	0.20		86	70-130			11/09/15	
Dimethoate	1.1	10	ug/L	1.0		107	70-130			11/09/15	
Metolachlor	2.0	0.50	ug/L	2.0		98	70-130			11/09/15	
Metribuzin	1.1	0.50	ug/L	1.0		107	70-130			11/09/15	
Molinate	0.96	2.0	ug/L	1.0		96	70-130			11/09/15	
Propachlor	0.48	0.50	ug/L	0.50		95	70-130			11/09/15	
Simazine	0.34	1.0	ug/L	0.35		96	70-130			11/09/15	
Thiobencarb	0.53	1.0	ug/L	0.50		106	70-130			11/09/15	
Surrogate: 1,3-Dimethyl-2-nitrobenzene	*4.9*			*5.0*		*97*	*70-130*			11/09/15	
Blank Spike Dup (A513230-BSD1)											

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Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual	
EPA 525.2 - Quality Control												
Batch: A513230										Prepared: 11/7/2015		
Prep Method: EPA 525.2										Analyst: MTM		
Blank Spike Dup (A513230-BSD1)												
Alachlor	0.89	1.0	ug/L	1.0		89	70-130	5	30	11/09/15		
Atrazine	0.47	0.50	ug/L	0.50		94	70-130	6	30	11/09/15		
Benzo(a)pyrene	0.10	0.10	ug/L	0.10		100	70-130	1	30	11/09/15		
Bis(2-ethylhexyl) adipate	1.9	3.0	ug/L	2.0		96	70-130	2	30	11/09/15		
Bis(2-ethylhexyl) phthalate	1.6	3.0	ug/L	1.5		104	70-130	0	30	11/09/15		
Bromacil	1.4	10	ug/L	1.0		138	70-130	4	30	11/09/15	BS	*High*
Butachlor	1.0	0.38	ug/L	1.0		100	70-130	2	30	11/09/15		
Diazinon	0.18	0.25	ug/L	0.20		90	70-130	5	30	11/09/15		
Dimethoate	1.1	10	ug/L	1.0		106	70-130	1	30	11/09/15		
Metolachlor	2.0	0.50	ug/L	2.0		98	70-130	1	30	11/09/15		
Metribuzin	1.1	0.50	ug/L	1.0		112	70-130	5	30	11/09/15		
Molinate	0.98	2.0	ug/L	1.0		98	70-130	2	30	11/09/15		
Propachlor	0.47	0.50	ug/L	0.50		95	70-130	1	30	11/09/15		
Simazine	0.37	1.0	ug/L	0.35		105	70-130	9	30	11/09/15		
Thiobencarb	0.52	1.0	ug/L	0.50		104	70-130	2	30	11/09/15		
Surrogate: 1,3-Dimethyl-2-nitrobenzene	*4.8*			*5.0*		*95*	*70-130*			11/09/15		
Matrix Spike (A513230-MS1), Source: A5K0483-01												
Alachlor	1.0	1.0	ug/L	0.98	ND	105	70-130			11/09/15		
Atrazine	0.56	0.50	ug/L	0.49	ND	108	70-130			11/09/15		
Benzo(a)pyrene	0.11	0.10	ug/L	0.098	ND	105	70-130			11/09/15		
Bis(2-ethylhexyl) adipate	2.0	3.0	ug/L	2.0	ND	99	70-130			11/09/15		
Bis(2-ethylhexyl) phthalate	1.6	3.0	ug/L	1.5	ND	110	70-130			11/09/15		
Bromacil	1.3	10	ug/L	0.98	ND	133	70-130			11/09/15	MS1.0	*High*
Butachlor	1.1	0.38	ug/L	0.98	ND	108	70-130			11/09/15		
Diazinon	0.20	0.25	ug/L	0.20	ND	100	70-130			11/09/15		
Dimethoate	1.1	10	ug/L	0.98	ND	114	70-130			11/09/15		
Metolachlor	2.1	0.50	ug/L	2.0	ND	107	70-130			11/09/15		
Metribuzin	1.1	0.50	ug/L	0.98	ND	111	70-130			11/09/15		
Molinate	0.92	2.0	ug/L	0.98	ND	94	70-130			11/09/15		
Propachlor	0.51	0.50	ug/L	0.49	ND	104	70-130			11/09/15		
Simazine	0.35	1.0	ug/L	0.34	ND	103	70-130			11/09/15		
Thiobencarb	0.48	1.0	ug/L	0.49	ND	97	70-130			11/09/15		
Surrogate: 1,3-Dimethyl-2-nitrobenzene	*4.8*			*4.9*		*98*	*70-130*			11/09/15		
EPA 531.1 - Quality Control												
Batch: A513108										Prepared: 11/4/2015		
Prep Method: EPA 531.1										Analyst: AAR		
Blank (A513108-BLK1)												
3-Hydroxycarbofuran	ND	3.0	ug/L							11/05/15		
Aldicarb	ND	3.0	ug/L							11/05/15		
Aldicarb Sulfone	ND	2.0	ug/L							11/05/15		
Aldicarb Sulfoxide	ND	3.0	ug/L							11/05/15		
Carbaryl	ND	5.0	ug/L							11/05/15		

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Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
EPA 531.1 - Quality Control											
Batch: A513108										Prepared: 11/4/2015	
Prep Method: EPA 531.1										Analyst: AAR	
Blank (A513108-BLK1)											
Carbofuran	ND	5.0	ug/L							11/05/15	
Methomyl	ND	2.0	ug/L							11/05/15	
Oxamyl	ND	20	ug/L							11/05/15	
Blank Spike (A513108-BS1)											
3-Hydroxycarbofuran	2.0	3.0	ug/L	2.0		99	80-120			11/05/15	
Aldicarb	1.8	3.0	ug/L	2.0		91	80-120			11/05/15	
Aldicarb Sulfone	1.9	2.0	ug/L	2.0		96	80-120			11/05/15	
Aldicarb Sulfoxide	1.9	3.0	ug/L	2.0		97	80-120			11/05/15	
Carbaryl	2.0	5.0	ug/L	2.0		101	80-120			11/05/15	
Carbofuran	1.9	5.0	ug/L	2.0		97	80-120			11/05/15	
Methomyl	2.0	2.0	ug/L	2.0		101	80-120			11/05/15	
Oxamyl	2.0	20	ug/L	2.0		102	80-120			11/05/15	
Blank Spike Dup (A513108-BSD1)											
3-Hydroxycarbofuran	2.1	3.0	ug/L	2.0		105	80-120	7	20	11/05/15	
Aldicarb	2.0	3.0	ug/L	2.0		99	80-120	9	20	11/05/15	
Aldicarb Sulfone	2.0	2.0	ug/L	2.0		98	80-120	2	20	11/05/15	
Aldicarb Sulfoxide	1.9	3.0	ug/L	2.0		93	80-120	5	20	11/05/15	
Carbaryl	2.0	5.0	ug/L	2.0		100	80-120	1	20	11/05/15	
Carbofuran	1.9	5.0	ug/L	2.0		97	80-120	0	20	11/05/15	
Methomyl	2.0	2.0	ug/L	2.0		102	80-120	1	20	11/05/15	
Oxamyl	2.0	20	ug/L	2.0		99	80-120	3	20	11/05/15	
Matrix Spike (A513108-MS1), Source: A5J2203-01											
3-Hydroxycarbofuran	2.0	3.0	ug/L	2.0	ND	98	65-135			11/05/15	
Aldicarb	1.9	3.0	ug/L	2.0	ND	95	65-135			11/05/15	
Aldicarb Sulfone	1.9	2.0	ug/L	2.0	ND	94	65-135			11/05/15	
Aldicarb Sulfoxide	1.9	3.0	ug/L	2.0	ND	96	65-135			11/05/15	
Carbaryl	2.0	5.0	ug/L	2.0	ND	100	65-135			11/05/15	
Carbofuran	1.9	5.0	ug/L	2.0	ND	97	65-135			11/05/15	
Methomyl	1.9	2.0	ug/L	2.0	ND	96	65-135			11/05/15	
Oxamyl	1.9	20	ug/L	2.0	ND	96	65-135			11/05/15	
EPA 547 - Quality Control											
Batch: A513000										Prepared: 11/2/2015	
Prep Method: EPA 547										Analyst: AMN	
Blank (A513000-BLK1)											
Glyphosate	ND	25	ug/L							11/02/15	
Surrogate: AMPA	*71*			*100*		*70*	*70-130*			11/02/15	
Blank Spike (A513000-BS1)											
Glyphosate	93	25	ug/L	100		91	70-130			11/02/15	
Surrogate: AMPA	*96*			*100*		*94*	*70-130*			11/02/15	

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Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
EPA 547 - Quality Control											
Batch: A513000										Prepared: 11/2/2015	
Prep Method: EPA 547										Analyst: AMN	
Blank Spike Dup (A513000-BSD1)											
Glyphosate	100	25	ug/L	100		103	70-130	12	30	11/02/15	
Surrogate: AMPA	*110*			*100*		*108*	*70-130*			11/02/15	
Matrix Spike (A513000-MS1), Source: A5J2564-02											
Glyphosate	95	25	ug/L	100	ND	93	70-130			11/02/15	
Surrogate: AMPA	*120*			*100*		*113*	*70-130*			11/02/15	
EPA 548.1 - Quality Control											
Batch: A513123										Prepared: 11/4/2015	
Prep Method: EPA 548.1										Analyst: MTM	
Blank (A513123-BLK1)											
Endothall	ND	45	ug/L							11/05/15	
Blank Spike (A513123-BS1)											
Endothall	20	45	ug/L	20		101	46-116			11/05/15	
Blank Spike Dup (A513123-BSD1)											
Endothall	18	45	ug/L	20		90	46-116	11	30	11/05/15	
Matrix Spike (A513123-MS1), Source: A5J2484-01											
Endothall	7.7	45	ug/L	20	ND	39	46-116			11/05/15	MS1.0 *Low*
EPA 549.2 - Quality Control											
Batch: A513296										Prepared: 11/9/2015	
Prep Method: EPA 549.2										Analyst: ANM	
Blank (A513296-BLK1)											
Diquat	ND	4.0	ug/L							11/11/15	
Blank Spike (A513296-BS1)											
Diquat	3.3	4.0	ug/L	4.0		82	70-130			11/11/15	
Blank Spike Dup (A513296-BSD1)											
Diquat	3.6	4.0	ug/L	4.0		90	70-130	10	30	11/11/15	
Matrix Spike (A513296-MS1), Source: A5K0252-01											
Diquat	3.7	4.0	ug/L	4.0	ND	89	70-130			11/11/15	

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Radiological Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
SM 7110C - Quality Control											
Batch: A513191										Prepared: 11/6/2015	
Prep Method: EPA 00-02										Analyst: CWC	
Blank (A513191-BLK1)											
1.65 Sigma Uncertainty	ND		±							11/09/15	
Gross Alpha	ND	3	pCi/L							11/09/15	
MDA95	ND	0.00	pCi/L							11/09/15	
Blank Spike (A513191-BS1)											
Gross Alpha	30.7	3	pCi/L	30		102	80-120			11/09/15	
Blank Spike Dup (A513191-BSD1)											
Gross Alpha	29.9	3	pCi/L	30		100	80-120	3	50	11/09/15	
Matrix Spike (A513191-MS1), Source: A5K0221-01											
Gross Alpha	102	3	pCi/L	120	ND	85	70-130			11/09/15	
Matrix Spike Dup (A513191-MSD1), Source: A5K0221-01											
Gross Alpha	117	3	pCi/L	120	ND	97	70-130	13	50	11/09/15	

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Certificate of Analysis

Notes:

- The Chain of Custody document and Sample Integrity Sheet are part of the analytical report.
- Any remaining sample(s) for testing will be disposed of according to BSK's sample retention policy unless other arrangements are made in advance.
- All positive results for EPA Methods 504.1 and 524.2 require the analysis of a Field Reagent Blank (FRB) to confirm that the results are not a contamination error from field sampling steps. If Field Reagent Blanks were not submitted with the samples, this method requirement has not been performed.
- Samples collected by BSK Analytical Laboratories were collected in accordance with the BSK Sampling and Collection Standard Operating Procedures.
- J-value is equivalent to DNQ (Detected, not quantified) which is a trace value. A trace value is an analyte detected between the MDL and the laboratory reporting limit. This result is of an unknown data quality and is only qualitative (estimated). Baseline noise, calibration curve extrapolation below the lowest calibrator, method blank detections, and integration artifacts can all produce apparent DNQ values, which contribute to the un-reliability of these values.
- (1) - Residual chlorine and pH analysis have a 15 minute holding time for both drinking and waste water samples as defined by the EPA and 40 CFR 136. Waste water and ground water (monitoring well) samples must be field filtered to meet the 15 minute holding time for dissolved metals.
- Summations of analytes (i.e. Total Trihalomethanes) may appear to add individual amounts incorrectly, due to rounding of analyte values occurring before or after the total value is calculated, as well as rounding of the total value.
- RL Multiplier is the factor used to adjust the reporting limit (RL) due to variations in sample preparation procedures and dilutions required for matrix interferences.
- Due to the subjective nature of the Threshold Odor Method, all characterizations of the detected odor are the opinion of the panel of analysts. The characterizations can be found in Standard Methods 2170B Figure 2170:1.
- The MCLs provided in this report (if applicable) represent the primary MCLs for that analyte.

Definitions

mg/L:	Milligrams/Liter (ppm)	MDL:	Method Detection Limit	MDA95:	Min. Detected Activity
mg/Kg:	Milligrams/Kilogram (ppm)	RL:	Reporting Limit: DL x Dilution	MPN:	Most Probable Number
µg/L:	Micrograms/Liter (ppb)	ND:	None Detected at RL	CFU:	Colony Forming Unit
µg/Kg:	Micrograms/Kilogram (ppb)	pCi/L:	Picocuries per Liter	Absent:	Less than 1 CFU/100mLs
%:	Percent Recovered (surrogates)	RL Mult:	RL Multiplier	Present:	1 or more CFU/100mLs
NR:	Non-Reportable	MCL:	Maximum Contaminant Limit		

Please see the individual Subcontract Lab's report for applicable certifications.

BSK is not accredited under the NELAC program for the following parameters: **NA**

1,2,3-Trichloropropane	Aggressive Index	Threshold Odor

Certifications: **Please refer to our website for a copy of our Accredited Fields of Testing under each certification.**

Fresno

State of California - ELAP	1180	State of Hawaii	4021
State of Nevada	CA000792016-1	State of Oregon - NELAC	4021
EPA - UCMR3	CA00079	State of Washington	C997-15

Sacramento

State of California - ELAP	2435

Vancouver

State of Oregon - NELAC	WA100008-007	State of Washington	C824-14a

A5K0050

11022015

NorCa5861

Turnaround: Standard
Due Date: 11/16/2015

Nor-Cal Pump And Well Service

Printed: 11/2/2015 5:12:31PM

BSK Associates
Engineers & Laboratories
1414 Stanislaus St., Fresno, CA 93706
(559) 497-2888 Fax (559) 497-2893
www.bskassociates.com

A5K0050 11/02/2015
NorCa5861 10

*Required Fields Temp: 12.9

Company/Client Name*:	Report Attention*:	Invoice To*:	Phone*:	Fax*:
Nor Cal Pump & Drilling pump	Nar Heer Additional cc's:	PO#:	E-mail*: norcalpump@yahoo.com	

Address*:	City*:	State*:	Zip*:
1325 Berry Road	Yuba City	CA	95993

Regulatory Carbon Copies: CDPH ☐ Fresno Co ☐ Merced Co ☐ Tulare Co ☐ Madera Co ☐ Other: ____

Project: Gridley Farm Labor Camp
Project #:

Reporting Options: ☐ Trace (J-Flag) ☐ Swamp ☐ EDD Type: ____
How would you like your completed results sent?* ☐ E-Mail ☐ Fax ☐ Mail
Regulatory Compliance: ☐ EDT to California DPH System Number*: ____

Sampler Name (Printed/Signature)*: Nick Robles
TAT* **Surcharge: ☐ Standard - 10 Business Days ☐ **Rush: Date Needed ____
☐ Geotracker #: ____

Matrix Types: SW=Surface Water BW=Bottled Water GW=Ground Water WW=Waste Water STW=Storm Water DW=Drinking Water SO=Solid

#	Sample Description*	Sampled* Date	Sampled* Time	Matrix*	Comments / Station Code / WTRAX	Title 22 GM/IO/GP	Perchlorate, Hexavalent Chromium	Title 22 Organics w/o diuron	Uranium, Gross Alpha, TCP	EXT-Dioxin, EXT-Asbestos	EXT-Ra 226, Ra 228			
1	New well	11-2-15	1255											

Relinquished by: (Signature and Printed Name)	Company	Date	Time	Received by: (Signature and Printed Name)	Company
	BSK	11-2-15	1500		
Relinquished by: (Signature and Printed Name)	Company	Date	Time	Received by: (Signature and Printed Name)	Company
Received for Lab by: (Signature and Printed Name) Samantha Zepeda		11/2/15	1500	Payment Received at Delivery: Date: Amount: PIA#: Check / Cash Init.	

Shipping Method: CONTRAC UPS GSO WALK-IN FED EX Courier: BSK
Cooling Method: Wet Blue None
Custody Seal: Y / N
Chilling Process Begun: Y / N

Payment for services rendered as noted herein are due in full within 30 days from the date invoiced. If not so paid, account balances are deemed delinquent. Delinquent balances are subject to monthly service charges and interest specified in BSK's current Standard Terms and Conditions for Laboratory Services. The person signing for the Client/Company acknowledges that they are either the Client or an authorized agent to the Client, that the Client agrees to be responsible for payment for the services on this Chain of Custody, and agrees to BSK's terms and conditions for laboratory services unless contractually bound otherwise. BSK's current terms and conditions can be found at www.bskassociates.com/BSKLabTermsConditions.pdf

BSK Associates SR-FL-0002-15

A5K0050 11/02/2015
NorCa5861 10

Sample Integrity

BSK Bottles: Yes No Page 1 of 1

COC Info						
Was temperature within range? Chemistry ≤ 6°C Micro < 10°C	Yes No NA	Were correct containers and preservatives received for the tests requested?	Yes No NA
If samples were taken today, is there evidence that chilling has begun?	Yes No NA	Were there bubbles in the VOA vials? (Volatiles Only)	Yes No NA
Did all bottles arrive unbroken and intact?	Yes No	Was a sufficient amount of sample received?	Yes No
Did all bottle labels agree with COC?	Yes No	Do samples have a hold time <72 hours?	Yes No
Was sodium thiosulfate added to CN sample(s) until chlorine was no longer present?	Yes No NA	Was PM notified of discrepancies? PM: By/Time:	Yes No NA

Bottles Received ("_" means preservation/chlorine checks are either N/A or are performed in the lab)	250ml(A) 500ml(B) 1Liter(C) 40ml VOA(V)	Checks	Passed?					
	Bact $Na_2S_2O_3$	—	—					
	None (P) White Cap	—	—	2C				
	Cr6 (P) Br. Green Label/Blue Cap $NH_4OH(NH_4)_2SO_4$ DW	Cl, pH < 8	(Y) N	1A				
	Cr6 (P) Pink Label/Blue Cap $NH_4OH(NH_4)_2SO_4$ WW	pH 9.3-9.7	Y N					
	Cr6 (P) Black Label/Blue Cap $NH_4OH(NH_4)_2SO_4$ 7199 ***24 HOUR HOLD TIME***	pH 9.0-9.5	Y N					
	HNO_3 (P) Red Cap	—	—	4C, 1B				
	H_2SO_4 (P) or (AG) Yellow Cap/Label	pH <2	Y N					
	NaOH (P) Green Cap	Cl, pH >10	(Y) N	1A			11-2-15	
	NaOH + ZnAc (P)	pH > 9	Y N					
	Dissolved Oxygen 300ml (g)	—	—				NR	
	None (AG) 608/8081/8082, 625, 632/8521, 8151, 8270	—	—	2C, 1B				
	HCl (AG) LL Blue Label O&G, Diesel	—	—					
	Na_2O_3S+HCl (AG) LL Pink Label 525	—	—	2C				
	$Na_2S_2O_3$ 1 Liter (Brown P) 549	—	—	1C				
	$Na_2S_2O_3$ (AG) Blue Label 547, 515, 548, THM, 524	—	—	2A				
	$Na_2S_2O_3$ (CG) Blue Label 504, 505	—	—	7V				
	$Na_2S_2O_3$ + MCAA (CG) Orange Label 531	pH <3	Y N	1V				
	NH_4Cl (AG) Purple Label 552	—	—					
	EDA (AG) Brown Label DBPs	—	—					
	HCL (CG) 524.2,BTEX,Gas, MTBE, 8260/624	—	—	6V				
	Buffer pH 4 (CG)	—	—					
	None (CG)	—	—					
	H_3PO_4 (CG) Salmon Label	—	—					
	Other:							
	Asbestos 1 Liter Plastic w/ Foil	—	—	1C				
	Low Level Hg / Metals Double Baggie	—	—					
	Bottled Water	—	—					
	Clear Glass Jar: 250 / 500 / 1 Liter	—	—					
	Soil Tube: Brass / Steel / Plastic	—	—					
	Tedlar Bag / Plastic Bag	—	—					

Split		Container	Preservative	Date/Time/Initials		Container	Preservative	Date/Time/Initials
	S P				S P			
	S P				S P			

Comments

Labeled by: NR @ 1617 Labels checked by: JHD @ 16:19 RUSH Paged by: @

External

A5K0050

LA Testing
520 Mission Street South Pasadena, CA 91030
Phone/Fax: (323) 254-9960 / (323) 254-9982
http://www.LATesting.com / pasadenalab@latesting.com

LA Testing Order ID: 321523178
Customer ID: 32BSK50
Customer PO:
Project ID:

Attn: John Montierth
BSK Analytical Laboratories
1414 Stanislaus Street
Fresno, CA 93706

Phone: (559) 497-2888
Fax:
Collected: 11/02/2015
Received: 11/03/2015
Analyzed: 11/17/2015

Proj: A5K0050

Test Report: Determination of Asbestos Structures >10µm in Drinking Water Performed by the 100.2 Method (EPA 600/R-94/134)

Sample ID Client / EMSL	Sample Filtration Date/Time	Original Sample Vol. Filtered (ml)	Effective Filter Area (mm²)	Area Analyzed (mm²)	ASBESTOS				
					Asbestos Types	Fibers Detected	Analytical Sensitivity	Concentration	Confidence Limits
							MFL (million fibers per liter)		
A5K0050-01 321523178-0001	11/3/2015 05 30 PM	2	1288	0.2600	None Detected	ND	2.50	<2.50	0 00 - 9.10

Analytical sensitivity could not be met due to the excessive particulates

Analyst(s)
Sherrie Ahmad (1)

Jerry Drapala Ph.D, Laboratory Manager
or Other Approved Signatory

Any questions please contact Jerry Drapala

Initial report from: 11/17/2015 14 30:17

Sample collection and containers provided by the client, acceptable bottle blank level is defined as ≤0 01MFL>10um ND=None Detected This report relates only to those items tested This report may not be reproduced, except in full, without written permission by LA Testing Samples received in good condition unless otherwise noted

Samples analyzed by LA Testing South Pasadena, CA CA ELAP 2283

OrderID: 321523178

BSK Analytical Laboratories
Engineering & Laboratories

SUBCONTRACT ORDER

A5K0050

321523178-

SENDING LABORATORY:

BSK Associates Fresno
1414 Stanislaus St
Fresno, CA 93706
Phone: 559-497-2888 x201
Fax: 559-485-6935
Project Manager: John Montierth
E-mail: jmontierth@bskinc.com

RECEIVING LABORATORY:

L A Testing
520 Mission St.
South Pasadena, CA 91030
Phone :(800) 303-0047
Fax: (323) 254-9982
Turnaround (Days): Standard
QC Deliverables: I Std III IV

Sample ID	Samp Desc	Sample Date
A5K0050-01	**New Well**	**11/02/2015 12:55**

Matrix: Water

Analysis: (1) L P W | Fil

EXT-Asbestos, Drinking Water by EPA 100.2

2.5°C

SN: E211004768

Released By	Date	Received By	Date
[signature]	11/2/15	[signature]	11-3-15 2pm
Released By	Date	Received By	Date

Maxxam
A Bureau Veritas Group Company

Your Project #: ASK0050
Your C.O.C. #: na

Attention:John Montierth
BSK Analytical Laboratories
1414 Stanislaus Street
Fresno, CA
USA 93706

Report Date: 2015/11/26
Report #: R3782608
Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B5M8384
Received: 2015/11/06, 14:50

Sample Matrix: Water
Samples Received: 1

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Reference
2,3,7,8-TCDD in Drinking Water (1613B) (1)	1	2015/11/17	2015/11/26	BRL SOP-00410	EPA 1613B m

Remarks:

The lab certifies that the test results meet all requirements of NELAC, where applicable.

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

(1) This test is DOD and ELAP accredited.

U = Undetected at the limit of quantitation.
J = Estimated concentration between the EDL & RDL.
B = Blank Contamination.
Q = One or more quality control criteria failed.
E = Analyte concentration exceeds the maximum concentration level.
K = Estimated maximum possible concentration due to ion abundance ratio failure.

Encryption Key Melissa DiGrazia 26 Nov 2015 14 38 51 -05:00

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Melissa DiGrazia, Project Manager - ATUT
Email: MDiGrazia@maxxam.ca
Phone# (905) 817-5700

==========

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Maxxam Analytics International Corporation is a NELAC accredited laboratory. Certificate # 04012. Use of the NELAC logo however does not insure that Maxxam is accredited for all of the methods indicated. This certificate shall not be reproduced except in full, without the written approval of Maxxam.

Maxxam Analytics International Corporation o/a Maxxam Analytics 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel. (905) 817-5700 Toll Free 800-563-6266 Fax: (905) 817-5777 www.maxxam.ca

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Maxxam Job #: B5M8384
Report Date: 2015/11/26

BSK Analytical Laboratories
Client Project #: A5K0050

DIOXINS AND FURANS BY HRMS (WATER)

Maxxam ID		BHP574							
Sampling Date		2015/11/02 12:55							
COC Number		na				TOXIC EQUIVALENCY		# of	
	UNITS	A5K0050-01	EDL	RDL	MDL	TEF (2005 WHO)	TEQ(DL)	Isomers	QC Batch
2,3,7,8-Tetra CDD *	pg/L	1.6 U	1.6	1.7	N/A	1.00	1.60		4278980
TOTAL TOXIC EQUIVALENCY	pg/L						1.60		
Surrogate Recovery (%)									
C13-2378 TetraCDD *	%	32							4278980

EDL = Estimated Detection Limit

RDL = Reportable Detection Limit

TEF = Toxic Equivalency Factor, TEQ = Toxic Equivalency Quotient,
The Total Toxic Equivalency (TEQ) value reported is the sum of Toxic Equivalent Quotients for the congeners tested.

WHO(2005): The 2005 World Health Organization, Human and Mammalian Toxic Equivalency Factors for Dioxins and Dioxin -like Compounds

QC Batch = Quality Control Batch

* CDD = Chloro Dibenzo-p-Dioxin

N/A = Not Applicable

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Maxxam
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Maxxam Job #: B5M8384
Report Date: 2015/11/26

BSK Analytical Laboratories
Client Project #: ASK0050

TEST SUMMARY

Maxxam ID: BHP574
Sample ID: ASK0050-01
Matrix: Water

Collected: 2015/11/02
Shipped:
Received: 2015/11/06

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
2,3,7,8-TCDD in Drinking Water (1613B)	HRMS/MS	4278980	2015/11/17	2015/11/26	Owen Cosby

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Maxxam Job #: B5M8384
Report Date: 2015/11/26

BSK Analytical Laboratories
Client Project #: ASK0050

GENERAL COMMENTS

Results relate only to the items tested.

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Maxxam Job #: B5M8384
Report Date: 2015/11/26

BSK Analytical Laboratories
Client Project #: ASK0050

QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	% Recovery	UNITS	QC Limits
4278980	OBC	Spiked Blank	2,3,7,8-Tetra CDD	2015/11/25		101	%	67 - 158
			C13-2378 TetraCDD	2015/11/25		99	%	24 - 164
4278980	OBC	Method Blank	2,3,7,8-Tetra CDD	2015/11/25	0.71 U, EDL=0.71		pg/L	
			C13-2378 TetraCDD	2015/11/25		53	%	24 - 164

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.

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Maxxam Job #: B5M8384
Report Date: 2015/11/26

BSK Analytical Laboratories
Client Project #: A5K0050

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

Owen Cosby, BSc.C.Chem, Supervisor, HRMS Services

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

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Pace Analytical Services, Inc.
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

December 07, 2015

Mr. John Montierth
BSK Analytical Laboratories
1414 Stanislaus Street
Fresno, CA 93706

RE: Project: A5K0050
Pace Project No.: 30164999

Dear Mr. Montierth:
Enclosed are the analytical results for sample(s) received by the laboratory on November 12, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jacquelyn Collins
jacquelyn.collins@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

CERTIFICATIONS

Project: A5K0050
Pace Project No.: 30164999

Pennsylvania Certification IDs
Georgia Certification #: C040
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
L-A-B DOD-ELAP Accreditation #: L2417
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 04222CA
Colorado Certification
Connecticut Certification #: PH-0694
Delaware Certification
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: 90133
Louisiana DHH/TNI Certification #: LA140008
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: PA00091
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification
Missouri Certification #: 235
Montana Certification #: Cert 0082
Nebraska Certification #: NE-05-29-14
Nevada Certification #: PA014572015-1
New Hampshire/TNI Certification #: 2976
New Jersey/TNI Certification #: PA 051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Oregon/TNI Certification #: PA200002
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN2867
Texas/TNI Certification #: T104704188-14-8
Utah/TNI Certification #: PA014572015-5
USDA Soil Permit #: P330-14-00213
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Certification
Wyoming Certification #: 8TMS-L

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Greensburg, PA 15601
(724)850-5600

SAMPLE SUMMARY

Project: A5K0050
Pace Project No.: 30164999

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30164999001	A5K0050-01	Drinking Water	11/02/15 12:55	11/12/15 09:45

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

SAMPLE ANALYTE COUNT

Project: A5K0050
Pace Project No.: 30164999

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30164999001	A5K0050-01	EPA 903.1	WRR	1	PASI-PA
		EPA 904.0	JLW	1	PASI-PA

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Greensburg, PA 15601
(724)850-5600

PROJECT NARRATIVE

Project: A5K0050
Pace Project No.: 30164999

Method: EPA 903.1
Description: 903.1 Radium 226
Client: BSK Analytical Laboratories
Date: December 07, 2015

General Information:
1 sample was analyzed for EPA 903.1. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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Greensburg, PA 15601
(724)850-5600

PROJECT NARRATIVE

Project: A5K0050
Pace Project No.: 30164999

Method: EPA 904.0
Description: 904.0 Radium 228
Client: BSK Analytical Laboratories
Date: December 07, 2015

General Information:
1 sample was analyzed for EPA 904.0. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: A5K0050
Pace Project No.: 30164999

Sample: A5K0050-01 Lab ID: 30164999001 Collected: 11/02/15 12:55 Received: 11/12/15 09:45 Matrix: Drinking Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Radium-226	EPA 903.1	**0.410 ± 0.533 (0.882) C:NA T:96%**	pCi/L	10/28/15 09:21	13982-63-3	
Radium-228	EPA 904.0	**0.881 ± 0.379 (0.684) C:79% T:77%**	pCi/L	11/24/15 15:14	15262-20-1	

REPORT OF LABORATORY ANALYSIS

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL - RADIOCHEMISTRY

Project: A5K0050
Pace Project No.: 30164999

QC Batch: RADC/26924
QC Batch Method: EPA 904.0
Analysis Method: EPA 904.0
Analysis Description: 904.0 Radium 228
Associated Lab Samples: 30164999001

METHOD BLANK: 986224
Matrix: Water
Associated Lab Samples: 30164999001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.247 ± 0.314 (0.668) C:84% T:86%	pCi/L	11/24/15 15:14	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
1638 Roscytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL - RADIOCHEMISTRY

Project: A5K0050
Pace Project No.: 30164999

QC Batch: RADC/26922 Analysis Method: EPA 903.1
QC Batch Method: EPA 903.1 Analysis Description: 903.1 Radium-226
Associated Lab Samples: 30164999001

METHOD BLANK: 986222 Matrix: Water
Associated Lab Samples: 30164999001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.327 ± 0.455 (0.760) C:NA T:93%	pCi/L	11/24/15 10:22	

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REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: A5K0050
Pace Project No.: 30164999

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval). Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-PA Pace Analytical Services - Greensburg

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BSK Analytical Laboratories
Engineers & Laboratories

SUBCONTRACT ORDER

A5K0050

SENDING LABORATORY:

BSK Associates Fresno
1414 Stanislaus St
Fresno, CA 93706
Phone: 559-497-2888 x201
Fax: 559-485-6935
Project Manager: John Montierth
E-mail: jmontierth@bskinc.com

RECEIVING LABORATORY:

Pace Analytical-Radiochem
1638 Roseytown Rd Ste 2,3,4
Greensburg, PA 15601
Phone :(724) 850-5600
Fax: (724) 722-5208
Turnaround (Days): Standard
QC Deliverables: I Std III IV

30164999

Sample ID	Samp Desc	Sample Date
A5K0050-01	New Well	11/02/2015 12:55

Matrix: Water

Analysis: (2) 1 L P W / HNO3
EXT-Radium 226-DW Matrix
EXT-Radium 228-DW Matrix

Released By	Date	Received By	Date
[signature]	11-5-15	Alyna R Machonkey pace	11/12/15 0945
Released By	Date	Received By	Date

RTB

Sample Condition Upon Receipt

Pace Analytical

Client Name: BSK

Project # 30164999

Courier: ☐ Fed Ex ☑ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Tracking #: 1Z93X9210360995404

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no Biological Tissue Is Frozen: Yes No

Packing Material: Bubble Wrap ✓ Bubble Bags ___ None ___ Other: foam

Thermometer Used N/A Type of Ice: Wet Blue (None) ☐ Samples on ice, cooling process has begun

Cooler Temp.: Observed Temp.: ___ °C Correction Factor: ___ °C Final Temp: ___ °C

Date and Initials of person examining contents: ARM 11/12/15

Temp should be above freezing to 6°C

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2
Chain of Custody Relinquished:	☐Yes ☐No ☑N/A	3.
Sampler Name & Signature on COC:	☐Yes ☐No ☑N/A	4
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7
Sufficient Volume:	☐Yes ☑No ☐N/A	8.
Correct Containers Used:	☐Yes ☐No ☑N/A	9
-Pace Containers Used:	☐Yes ☑No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☐Yes ☑No ☐N/A	12. No date/time on sample bottles
-Includes date/time/ID/Analysis Matrix: WT		
All containers needing preservation have been checked.	☑Yes ☐No ☐N/A	13. pH<2
All containers needing preservation are found to be in compliance with EPA recommendation.	☑Yes ☐No ☐N/A	Initial when completed: ARM Lot # of added preservative:
exceptions: VOA, coliform, TOC, O&G, Phenols	☐Yes ☑No	
Samples checked for dechlorination.	☐Yes ☐No ☑N/A	14.
Headspace in VOA Vials (>6mm).	☐Yes ☐No ☑N/A	15.
Trip Blank Present:	☐Yes ☐No ☑N/A	16.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (If purchased):		

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ Date: 11/12/15

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

Pace Analytical

page 2

Project Number: 30164999

Client Name: BSK

Item No.	Matrix Code	Glass Jar (120 / 250 / 500 / 1L)	Soil kit (2 SB, 1M, soil jar)	Chemistry (250 / 500 / 1L)	Organics (1L)	Nutrient (250 / 500)	Phenolics (250 ml)	TOC (40 ml / 250 ml)	TOX (250 ml)	Total Metals	Dissolved Metals preserved Y N	O & G (1L)	TPH (1L)	VOA (40 ml 30 ml)	Cyanide (250 ml)	Sulfide (500 ml)	Bacteria (120 ml)	Wipes / swipe/ smear/ filter	Radchem Nalgene (125 / 250 / 500 / 1L)	Radchem Nalgene (1/2 gal. / 1 gal.L)	Cubitainer (500 ml / 4L)	Ziploc	Other	Other
001	WT																		2					

SCURF Back (C016-4 15May2012).xls

County of Fresno

DEPARTMENT OF PUBLIC WORKS AND PLANNING
STEVEN E. WHITE, DIRECTOR

EVALUATION OF ENVIRONMENTAL IMPACTS

APPLICANT: Shawn Shiralian

APPLICATION NOS.: Initial Study Application No. 7104 and Unclassified Conditional Use Permit Application No. 3528

DESCRIPTION: Allow an Interstate Freeway Interchange Commercial Development, including adoption of a Master Plan for said development, comprised of a restaurant, market, automobile fueling station, truck fueling station, laundry facility, shower facility, Liquefied Petroleum Gas (LPG) sales, photovoltaic solar power generation system to provide electricity to the proposed development, and a 149-foot-tall marquee sign on a 10.10-acre parcel in the AE-40 (Exclusive Agricultural, 40-acre minimum parcel size) Zone District.

LOCATION: The subject parcel is located on the northwest corner of Interstate 5 (I-5) and Nees Avenue, approximately 17 miles west of the nearest city limits of the City of Firebaugh (Sup. Dist. 1) (APN 005-100-47s).

I. AESTHETICS

A. Would the project have a substantial adverse effect on a scenic vista; or

B. Would the project substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a State scenic highway; or

C. Would the project substantially degrade the existing visual character or quality of the site and its surroundings?

FINDING: LESS THAN SIGNIFICANT IMPACT:

This proposal entails construction of an Interstate Freeway Interchange Commercial Development comprised of a restaurant, market, automobile fueling station, truck fueling station, laundry facility, shower facility, Liquefied Petroleum Gas (LPG) sales, photovoltaic solar power generation system to provide electricity to the proposed development, and a 149-foot-tall marquee sign on a 10.10-acre parcel in the AE-40 (Exclusive Agricultural, 40-acre minimum parcel size) Zone District. The subject parcel is devoid of structural improvements; however, two water wells have been constructed thereon.

The subject parcel is located at the northwest quadrant of Interstate Highway 5 and Nees Avenue, which is southeasterly adjacent to the border between the County of Fresno and the County of Merced. Additionally, the subject parcel is located within a predominately agricultural area with limited development. Further, the City of Firebaugh is located approximately 17 miles east of the subject parcel, the California Aqueduct is located approximately one quarter-mile to the northeast, and an existing Freeway Commercial Development identified as "Firebaugh Travel Plaza" is northwesterly adjacent to the subject parcel, within the County of Merced.

Interstate Highway 5 is designated as a Scenic Highway in the Fresno County General Plan. General Plan Policy OS-L.3 typically requires intensive land use proposals to be developed with a 200-foot natural open space area adjacent to the Scenic Highway. However, Policy OS-L.3 also allows this 200-foot natural open space setback requirement to be modified in instances where any one of the following conditions exist: 1) topographic or vegetative characteristics preclude the 200-foot setback; 2) topographic or vegetative characteristics provide visual screening of buildings and parking areas from the Scenic Highway; 3) property dimensions preclude the 200-foot setback; or 4) the proposed development involves expansion of an existing facility or expansion of an existing concentration of uses.

In this case, typical application of General Plan Policy OS-L.3 would preclude development on the eastern half of the subject parcel; however, Conditional Use Permit (CUP) Application No. 3528 proposes development throughout the subject parcel. As such, the developer of the proposed Interstate Freeway Interchange Commercial Development shall provide drought-tolerant landscaping along the eastern property line of the subject parcel. Since the amount of landscaping needed to satisfy this requirement will exceed 500 square feet, the developer of the proposed Interstate Freeway Interchange Commercial Development shall comply with California Code of Regulations Title 23, Division 2, Chapter 2.7 Model Water Efficient Landscape Ordinance (MWELO). Further, said landscaping shall be maintained in healthful condition and shall consist of trees and shrubs of reasonable size and density to provide visual screening. This landscaping requirement will be included as a Condition of Approval. Additionally, the design of the required landscaping shall be reviewed for approval during Site Plan Review (SPR), which will also be required as a Condition of Approval. Conditions of the SPR may include: design of parking and circulation areas, access, on-site grading and drainage, fire protection, landscaping, signage and lighting.

D. Would the project create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?

FINDING: LESS THAN SIGNIFICANT IMPACT WITH MITIGATION INCORPORATED:

This proposal will utilize outdoor lighting which has the potential of generating new sources of light and glare in the area. As such, all outdoor lighting fixtures shall be required to be hooded and directed so as to not shine towards adjacent properties and roads. This requirement will be included as a Mitigation Measure.

* ***Mitigation Measure***

1. *Prior to operation of the Interstate Freeway Interchange Commercial Development, all lighting shall be hooded, directed and permanently maintained as to not shine towards adjacent properties and roads.*

II. AGRICULTURAL AND FORESTRY RESOURCES

A. Would the project convert prime or unique farmlands or farmland of state-wide importance to non-agricultural use; or

B. Would the project conflict with existing agricultural zoning or Williamson Act Contracts; or

C. Would the project conflict with existing zoning for or cause rezoning of forest land, timberland, or timberland zoned Timberland Production; or

D. Would the project result in the loss of forest land or conversion of forest land to non-forest use; or

E. Would the project involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland to non-agricultural uses or conversion of forest land to non-forest use?

FINDING: LESS THAN SIGNIFICANT IMPACT:

The subject parcel is not located on forest land, is classified as Vacant or Disturbed Land on the Fresno County Important Farmland Map (2014), and is not enrolled under an Agricultural Land Conservation Contract (Williamson Act Contract); however, the subject parcel is located in an area of agricultural land uses. As such, prior to occupancy, the owner of the subject parcel shall acknowledge the inconveniencies and discomforts associated with agricultural land uses. This requirement will be included as a Condition of Approval, and shall be satisfied by the owner of the subject parcel entering into a Covenant with the County of Fresno acknowledging that the property owner is aware of the Fresno County Right-to-Farm Notice (Fresno County Ordinance Code Sections 17.04.100 and 17.72.075).

III. AIR QUALITY

A. Would the project conflict with or obstruct implementation of the applicable Air Quality Plan; or

B. Would the project isolate any air quality standard or contribute to an existing or projected air quality violation; or

C. Would the project result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under a Federal or State ambient air quality standard; or

D. Would the project expose sensitive receptors to substantial pollutant concentrations; or

E. Would the project create objectionable odors affecting a substantial number of people?

FINDING: LESS THAN SIGNIFICANT IMPACT WITH MITIGATION INCORPORATED:

According to the San Joaquin Valley Unified Air Pollution Control District (Air District), this proposal is subject to Air District Rule 9510 (Indirect Source Review) as it meets the applicability threshold within Air District Rule 9510 (Indirect Source Review) of 2,000 square feet of commercial space. Additionally, for proposals subject to Air District Rule 9510 (Indirect Source Review), the Air District requires submittal of an Air Impact Assessment (AIA) Application no later than applying for final discretionary approval, and payment of applicable off-site Mitigation Fees prior to issuance of the first Grading and/or Building Permit. Further, this proposal may also be subject to the following Air District Rules: Regulation VIII (Fugitive PM10 Prohibitions), Rule 4102 (Nuisance), Rule 4601 (Architectural Coatings), and Rule 4641 (Cutback, Slow Cure, and Emulsified Asphalt).

An Air Impact Assessment (AIA) Application (ISR Project No. C-20170040) was prepared for this proposal and submitted to the Air District on February 9, 2017. The AIA Application was approved by the Air District on March 9, 2017. According to the Air District, emissions of criteria pollutants specific to the proposal are expected to be mitigated below the Air District significance thresholds of 10 tons/year NOX and 15 tons/year PM10. As such, the emissions of criteria pollutants specific to the proposal would have no significant adverse impact on air quality. In order to ensure that emissions of criteria pollutants specific to the proposal are maintained below Air District significance thresholds, the proposed Interstate Freeway Interchange Commercial Development shall adhere to the following Mitigation Measures:

* ***Mitigation Measures***

1. *For each project phase, maintain records of (1) the construction start and end dates and (2) the date of issuance of the first certificate of occupancy.*

2. *For each project phase, all records shall be maintained on site during construction and for a period of ten years following either the end of construction or the issuance of the first certificate of occupancy, whichever is later. Records shall be made available for Air District inspection upon request.*

3. *For each project phase, within 30 days of issuance of the first certificate of occupancy, submit to the Air District a summary report of the construction start and end dates, and the date of issuance of the first certificate of occupancy. Otherwise, submit to the Air District a summary report of the construction start and end dates within 30 days of the end of each phase of construction.*

Compliance with Air District Rules and Regulations will reduce air quality impacts from the subject proposal to a less than significant level.

IV. BIOLOGICAL RESOURCES

A. Would the project have a substantial adverse effect, either directly or through habitat modifications, on any candidate, sensitive, or special-status species; or

B. Would the project have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Wildlife (CDFW) or U.S. Fish and Wildlife Service (USFWS); or

C. Would the project have a substantial adverse effect on federally-protected wetlands as defined by Section 404 of the Clean Water Act through direct removal, filling, hydrological interruption or other means; or

D. Would the project interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites; or

E. Would the project conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance; or

F. Would the project Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local regional, or state habitat conservation plan?

FINDING: LESS THAN SIGNIFICANT IMPACT WITH MITIGATION INCORPORATED:

The subject parcel is located approximately one quarter-mile southwest of the California Aqueduct and is devoid of structural improvements. Further, according to the United States Fish and Wildlife Service (USFWS), the subject parcel is located within the Ciervo-Panoche Core Area, which is a designated San Joaquin Kit Fox recovery area. However, the subject parcel is also located at the northwest quadrant of Interstate Highway 5 and Nees Avenue, which is an active agricultural area, and an existing Freeway Commercial Development identified as "Firebaugh Travel Plaza" is northwesterly adjacent to the subject parcel.

According to a USFWS comment letter dated May 17, 2016, the subject parcel contains vegetation indicative of habitat suitable for the federally-listed as endangered San Joaquin Kit Fox, Blunt-Nosed Leopard Lizard and Giant Kangaroo Rat. Additionally, the presence of all these listed species has been documented within five miles of the subject parcel. As such, the USFWS requested that the subject parcel be assessed for the presence of San Joaquin Kit Fox, Blunt-Nosed Leopard Lizard, Giant Kangaroo Rat, and habitat suitable for said species.

An Endangered Species Habitat Assessment was prepared for this proposal by Colibri Ecological Consulting, LLC based upon literature review, database review [including the California Natural Diversity Database (CNDDB) and California Native Plant Society Database (CNPS)], and a reconnaissance-level field survey of the subject parcel which included a 250-foot area around the perimeter of the subject parcel. According to the Endangered Species Habitat Assessment prepared by Colibri Ecological Consulting, LLC, no plant or wildlife species listed as endangered was observed within the boundaries of the survey area. However, due to the potential for special status wildlife species to occur on or adjacent to the subject parcel, Mitigation Measures are recommended to ensure that project impacts to sensitive biological resources are reduced to a less than significant level. These Mitigation Measures pertain to San Joaquin Kit Fox, American Badger, Burrowing Owl and nesting birds.

The Endangered Species Habitat Assessment prepared for this proposal by Colibri Ecological Consulting, LLC was provided to the USFWS for review, which expressed no concerns regarding the Endangered Species Habitat Assessment analysis methodology or findings.

This proposal, including the Endangered Species Habitat Assessment prepared by Colibri Ecological Consulting, LLC, was also provided to the California Department of Fish and Wildlife (CDFW) for review, which expressed no concerns regarding the project.

* ***Mitigation Measures***

1. *Pre-construction surveys for San Joaquin Kit Fox shall be conducted for the project in accordance with the United States Fish and Wildlife Service "Standardized Recommendations for Protection of the Endangered San Joaquin Kit Fox" dated January 2011. Protection and avoidance measures shall be implemented in accordance with the United States Fish and Wildlife Service "Standardized Recommendations for Protection of the Endangered San Joaquin Kit Fox" dated January 2011 if a San Joaquin Kit Fox is identified during pre-construction surveys.*

2. *Pre-construction surveys for American Badger shall be conducted for the project no more than 30 days prior to commencing construction or ground disturbing activity. If an American Badger is identified during pre-construction surveys, a qualified biologist shall passively relocate the American Badger prior to commencing construction or ground disturbing activity. Any active American Badger den or potentially active American Badger den shall be monitored for at least three consecutive nights using a wildlife-monitoring camera located at the American Badger den entrance. If no images of American Badgers are captured during this monitoring period, the monitored American Badger den can be excavated and backfilled. In the event that passive relocation fails, a qualified biologist shall consult the California Department of Fish and Wildlife (CDFW) in order to develop an effective relocation strategy, which may include trapping.*

3. *Pre-construction surveys for Burrowing Owl shall be conducted for the project in accordance with the California Department of Fish and Wildlife "Staff Report on Burrowing Owl Mitigation" dated March 7, 2012. Protection and avoidance measures shall be implemented in accordance with the California Department of Fish and Wildlife "Staff Report on Burrowing Owl Mitigation" dated March 7, 2012 if a Burrowing Owl is identified during pre-construction surveys.*

4. *Pre-construction surveys for nesting birds (including common species and special-status species) shall be conducted for the project no more than 14 days prior to commencing construction or ground disturbing activity during the bird breeding season (January 1 through September 15). If a nesting bird is identified during pre-construction surveys, a qualified avian biologist shall develop project-specific no-disturbance nest buffers that take into account site-specific externalities and species-specific disturbance tolerances. The no-disturbance nest buffers developed by the qualified avian biologist shall be vetted with the California Department of Fish and Wildlife (CDFW).*

V. CULTURAL RESOURCES

A. Would the project cause a substantial adverse change in the significance of a historical resource as defined in Section 15064.5; or

B. Would the project cause of substantial adverse change in the significance of an archeological resource pursuant to Section 15064.5; or

C. Would the project directly or indirectly destroy a unique paleontological resource or site or unique geologic feature; or

D. Would the project disturb any human remains, including those interred outside of formal cemeteries; or

E. Would the project cause a substantial adverse change in the significance of a tribal cultural resource as defined in Public Resources Code Section 21074?

FINDING: LESS THAN SIGNIFICANT IMPACT WITH MITIGATION INCORPORATED:

The subject parcel is located in an area designated to be moderately sensitive for archeological resources. As such, in the event that cultural resources are unearthed during ground disturbing activity, all work shall be halted in the area of the find, and an Archeologist shall be contacted to evaluate the findings and make any necessary mitigation recommendations. If human remains are unearthed during ground disturbing activities, no further disturbance is to occur until the Fresno County Sheriff-Coroner has made the necessary findings as to origin and disposition. All normal evidence procedures shall be followed by photographs, reports and video. If such remains are determined to be Native American, the Sheriff-Coroner must notify the Native American Commission within 24 hours. A Mitigation Measure reflecting this requirement has been incorporated into the project. The Mitigation Measure will reduce potential impacts to cultural resources to a less than significant level.

* ***Mitigation Measure***

1. *In the event that cultural resources are unearthed during ground disturbing activities, all work shall be halted in the area of the find. An Archeologist shall be called to evaluate the findings and make any necessary mitigation recommendations. If human remains are unearthed during ground disturbing activities, no further disturbance is to occur until the Fresno County Sheriff-Coroner has made the necessary findings as to origin and disposition. All normal evidence procedures shall be followed by photographs, reports and video. If such remains are determined to be Native American, the Sheriff-Coroner must notify the Native American Commission within 24 hours.*

VI. GEOLOGY AND SOILS

A. Would the project expose people or structures to potential substantial adverse effects, including risk of loss, injury or death involving:

1. Rupture of a known earthquake; or

2. Strong seismic ground shaking; or

3. Seismic-related ground failure, including liquefaction; or

4. Landslides?

FINDING: LESS THAN SIGNIFICANT IMPACT:

The area where the subject parcel is located is designated as Seismic Design Category E in the California Geological Survey. As such, a Geotechnical Investigation shall be submitted to the Development Services Division of the Fresno County Department of Public Works and Planning for review and approval in order to acquire building and installation permits for the proposal. This mandatory requirement will be included as a Project Note.

B. Would the project result in substantial erosion or loss of topsoil?

FINDING: LESS THAN SIGNIFICANT IMPACT:

Changes in topography and erosion could result from grading activities associated with this proposal. As such, an Engineered Grading and Drainage Plan demonstrating how additional storm water run-off generated by the project will be handled without adversely impacting adjacent properties shall be provided to the Development Engineering Section of the Fresno County Department of Public Works and Planning for review and approval in order to acquire building and installation permits for the proposal. This requirement will be included as a Project Note and shall be reviewed for approval during

the Site Plan Review (SPR) process that will be included as a Condition of Approval. Conditions of the SPR may include: design of parking and circulation areas, access, on-site grading and drainage, fire protection, landscaping, signage and lighting. With adherence to these requirements, potential erosion impacts from the subject proposal will be reduced to a less than significant level.

C. Would the project result in on-site or off-site landslide, lateral spreading, subsidence, liquefaction or collapse; or

D. Would the project be located on expansive soils, creating substantial risks to life or property?

FINDING: NO IMPACT:

The subject parcel is not located within an area of known risk of landslides, lateral spreading, subsidence, liquefaction, collapse, or within an area of known expansive soils.

E. Would the project have soils incapable of adequately supporting the use of septic tanks or alternative disposal systems where sewers are not available for wastewater disposal?

FINDING: LESS THAN SIGNIFICANT IMPACT WITH MITIGATION INCORPORATED:

The subject parcel is devoid of structural improvements, and no existing septic system or Onsite Wastewater Treatment System (OWTS) is located thereon. The proposed Interstate Freeway Interchange Commercial Development will connect to a proposed OWTS. Further, a Sewage Feasibility Report was prepared for the proposed OWTS by O.S.T. System Designs, Inc.

According to the Environmental Health Division of the Fresno County Department of Public Health, the Sewage Feasibility Report prepared for this proposal by O.S.T. System Designs, Inc. indicates the subject parcel can support an OWTS for the proposed Interstate Freeway Interchange Commercial Development. Specific design and capacity details for the OWTS shall be submitted to the County of Fresno and the California Regional Water Quality Control Board for review and approval prior to issuance of building permits for each structure connecting to the OWTS. Further, the design, construction, and operation of the OWTS shall include the use of advanced treatment to reduce Biological Oxygen Demand (BOD) and nitrate levels in the wastewater. Specifications for grey water and black water treatment shall be clearly identified and addressed in the design of the OWTS. These requirements will be included as Mitigation Measures to reduce adverse wastewater disposal impacts from the subject proposal to a less than significant level.

* ***Mitigation Measures***

1. *The Sewage Feasibility Report submitted by O.S.T. System Designs, Inc. indicates the subject parcel can support an Onsite Wastewater Treatment*

System (OWTS) for the proposed Interstate Freeway Interchange Commercial Development. Specific design and capacity details for the OWTS shall be submitted to the County of Fresno and the California Regional Water Quality Control Board for review and approval prior to issuance of building permits for each structure connecting to the OWTS.

2. *The design, construction, and operation of the Onsite Wastewater Treatment System (OWTS) shall include the use of advanced treatment to reduce Biological Oxygen Demand (BOD) and nitrate levels in the wastewater. Specifications for grey water and black water treatment shall be clearly identified and addressed in the design of the OWTS.*

VII. GREENHOUSE GAS EMISSIONS

A. Would the project generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment; or

B. Would the project conflict with any applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?

FINDING: LESS THAN SIGNIFICANT IMPACT:

The San Joaquin Valley Unified Air Pollution Control District (Air District) reviewed this proposal and expressed no concerns regarding greenhouse gas emissions. Further, compliance with Air District Rules and Regulations discussed in Section III (Air Quality) of this analysis will reduce air quality impacts from the subject proposal to a less than significant level.

VIII. HAZARDS AND HAZARDOUS MATERIALS

A. Would the project create a significant public hazard through routine transport, use or disposal of hazardous materials; or

B. Would the project create a significant public hazard involving accidental release of hazardous materials into the environment?

FINDING: LESS THAN SIGNIFICANT IMPACT:

This proposal will involve the handling of hazardous materials such as gasoline and other automotive chemicals and fluids as part of fuel sales. According to the Environmental Health Division of the Fresno County Department of Public Health, facilities proposing to use and/or store hazardous materials and/or hazardous wastes shall meet the requirements set forth in the California Health and Safety Code (HSC), Division 20, Chapter 6.95, and the CCR, Title 22, Division 4.5. Further, any business that handles hazardous materials or hazardous waste above the following State reporting thresholds may be required to submit a Hazardous Materials Business Plan pursuant to the HSC, Division 20, Chapter 6.95: 1) 55 gallons of liquid material; 2) 500 pounds of solid material; 3) 200 cubic feet of compressed gas; or 4) the threshold

planning quantity for extremely hazardous substances. All hazardous waste shall be handled in accordance with requirements set forth in the CCR, Title 22, Division 4.5, which addresses proper labeling, storage and handling of hazardous wastes. Additionally, the Applicant shall be required to submit a Spill Prevention Control and Countermeasure Plan (SPCC) to the Environmental Health Division of the Fresno County Department of Public Health for review and approval prior to occupancy, as a SPCC is required for aboveground petroleum storage tanks with an aggregate capacity equal to or greater than 1,320 gallons (inclusive of all aboveground tanks and containers located at the proposed facility). With adherence to these mandatory requirements, which will be included as Project Notes, this proposal will have a less than significant impact in regard to the handling and accidental release of hazardous materials.

C. Would the project create hazardous emissions or utilize hazardous materials, substances or waste within one quarter-mile of a school?

FINDING: NO IMPACT:

There are no schools located within one quarter-mile of the subject parcel.

D. Would the project be located on a hazardous materials site?

FINDING: NO IMPACT:

No hazardous materials sites are located within the boundaries of the subject parcel.

E. Would a project located within an airport land use plan or, absent such a plan, within two miles of a public airport or public use airport, result in a safety hazard for people residing or working in the project area; or

F. Would a project located within the vicinity of a private airstrip result in a safety hazard for people residing or working in the project area?

FINDING: NO IMPACT:

The subject parcel is not located within an Airport Land Use Plan or in the vicinity of a public or private use airport.

G. Would the project impair implementation of or physically interfere with an adopted Emergency Response Plan or Emergency Evacuation Plan?

FINDING: NO IMPACT:

This proposal will not impair the implementation of, or physically interfere with an adopted Emergency Response Plan. No such impacts were identified in the project analysis.

H. Would the project expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?

FINDING: NO IMPACT:

The subject parcel is not located within a wildland area.

IX. HYDROLOGY AND WATER QUALITY

A. Would the project violate any water quality standards or waste discharge requirements or otherwise degrade water quality?

FINDING: LESS THAN SIGNIFICANT IMPACT WITH MITIGATION INCORPORATED:

As construction associated with this proposal will disturb more than one acre, compliance with the National Pollutant Discharge Elimination System (NPDES) General Permit No. CAS000002 for Discharges of Storm Water Associated with Construction Activity shall be required. Before construction begins, the Applicant shall submit to the State Water Resources Control Board a Notice of Intent to comply with said permit, a Storm Water Pollution Prevention Plan (SWPPP), a Site Plan, and appropriate fees. The SWPPP shall contain all items listed in Section A of the General Permit, including descriptions of measures taken to prevent or eliminate unauthorized non-storm water discharges, and best management practices (BMP) implemented to prevent pollutants from discharging with storm water into waters of the United States. These mandatory requirements will be included as Project Notes.

The proposed Interstate Freeway Interchange Commercial Development will connect to a proposed Onsite Wastewater Treatment System (OWTS). Further, a Sewage Feasibility Report was prepared for the proposed OWTS by O.S.T. System Designs, Inc. Pursuant to discussion in Section VI (Geology and Soils), this proposal may have impacts related to wastewater disposal; however, the Mitigation Measures included in Section VI (Geology and Soils) will reduce such impacts to a less than significant level.

According to the California Regional Water Quality Control Board (Water Board), operation of the proposed OWTS requires compliance with the General Waste Discharge Requirements for Small Domestic Wastewater Treatment Systems, which requires the operator to submit a complete Report of Waste Discharge to the Water Board at least 140 days prior to operation of the OWTS. This mandatory requirement will be included as a Project Note.

B. Would the project substantially deplete groundwater supplies or interfere substantially with groundwater recharge so that there would be a net deficit in aquifer volume or a lowering of the local groundwater table?

FINDING: LESS THAN SIGNIFICANT IMPACT:

The subject parcel is located in a designated Water-Short Area and is currently devoid of structural improvements; however, a Private water well and a Public water well have been permitted and constructed thereon. Further, according to the Well Completion Report prepared for the Public water well, said well has an estimated yield of 300 gallons of water per minute. According to the Operational Statement provided for this project, it is estimated that the proposed Interstate Freeway Interchange Commercial Development will utilize approximately 26,179 gallons of water per day.

C. Would the project substantially alter existing drainage patterns, including alteration of the course of a stream or river, in a manner which would result in substantial erosion or siltation on or off site; or

D. Would the project substantially alter existing drainage patterns, including alteration of the course of a stream or river, in a manner which would result in flooding on or off site?

FINDING: NO IMPACT:

No streams or rivers are located within the boundaries of the subject parcel.

E. Would the project create or contribute run-off which would exceed the capacity of existing or planned storm water drainage systems or provide substantial additional sources of polluted run-off?

FINDING: LESS THAN SIGNIFICANT IMPACT:

According to the Development Engineering Section of the Fresno County Department of Public Works and Planning, any additional runoff generated by development of the proposed Interstate Freeway Interchange Commercial Development cannot be drained across property lines and must be retained onsite per County Standards. This mandatory requirement will be included as a Project Note.

F. Would the project otherwise substantially degrade water quality?

FINDING: NO IMPACT:

No additional water quality impacts were identified in the project analysis.

G. Would the project place housing within a 100-year floodplain; or

H. Would the project place structures within a 100-year flood hazard area that would impede or redirect flood flows?

FINDING: NO IMPACT:

According to FEMA FIRM Panel 1375H, the project site is not subject to flooding from the 1% chance storm (100-year storm).

I. Would the project expose persons or structures to levee or dam failure; or

J. Would the project cause inundation by seiche, tsunami or mudflow?

FINDING: NO IMPACT:

The subject parcel is not prone to seiche, tsunami or mudflow, nor is the subject parcel exposed to potential levee or dam failure.

X. LAND USE AND PLANNING

A. Will the project physically divide an established community?

FINDING: NO IMPACT:

This proposal will not physically divide a community. The subject parcel is located approximately 17 miles west of the nearest city limits of the City of Firebaugh, and is southeasterly adjacent to the border between the County of Fresno and the County of Merced.

B. Will the project conflict with any Land Use Plan, policy or regulation of an agency with jurisdiction over the project?

FINDING LESS THAN SIGNIFICANT IMPACT:

The subject parcel is designated Agriculture in the Fresno County General Plan and is located at the northwest quadrant of Interstate Highway 5 and Nees Avenue. Further, this quadrant of Interstate Highway 5 and Nees Avenue was adopted as a Minor Commercial Center Interchange in the Westside Freeway Corridor Overlay of the General Plan.

According to General Plan Policy LU-D.4, the County shall generally limit Commercial Interchange development to one square-mile centered on the freeway interchange.

According to General Plan Policy LU-D.5, the County shall allow commercial uses in areas designated as Major or Minor Commercial Interchange subject to the provisions of County Zoning Ordinance Section 860 ("Regulations for Interstate Freeway Interchange Commercial Development"). Both types of Commercial Interchange designations shall allow a range of commercial, service, agriculturally-related and value-added agricultural uses serving the needs of freeway users and the agricultural community, with Major Commercial Centers allowing a broader range of uses than Minor Commercial Centers.

According to General Plan Policy LU-D.6, the County shall require Commercial Interchange development to achieve aesthetic excellence and incorporate considerations for noise contours abutting traffic ways, architectural cohesiveness, and signage restraints.

With regard to the aforementioned General Plan Policies, the subject parcel is located within one square-mile of the Interstate Highway 5 and Nees Avenue interchange, and the proposed development has been designed in accordance with the provisions of Zoning Ordinance Section 860 ("Regulations for Interstate Freeway Interchange Commercial Development"). Further, design criteria for the proposed development will be further reviewed for approval during the Site Plan Review (SPR) process that will be required as a Condition of Approval. Conditions of the SPR may include: design of parking and circulation areas, access, on-site grading and drainage, fire protection, landscaping, signage and lighting.

C. Will the project conflict with any applicable Habitat Conservation Plan or Natural Community Conservation Plan?

FINDING: NO IMPACT:

This proposal will not conflict with any Land Use Plan or Habitat or Natural Community Conservation Plan. No such Plans were identified in the project analysis.

XI. MINERAL RESOURCES

A. Would the project result in the loss of availability of a known mineral resource; or

B. Would the project result in the loss of availability of a locally-important mineral resource recovery site designated on a General Plan?

FINDING: NO IMPACT:

No mineral resource impacts were identified in the project analysis. The subject parcel is not located in an identified mineral resource area identified in Policy OS-C.2 of the General Plan.

XII. NOISE

A. Would the project result in exposure of people to severe noise levels; or

B. Would the project result in exposure of people to or generate excessive ground-borne vibration or ground-borne noise levels; or

C. Would the project cause a substantial permanent increase in ambient noise levels in the project vicinity; or

D. Would the project result in a substantial temporary or periodic increase in ambient noise levels?

FINDING: LESS THAN SIGNIFICANT IMPACT:

The Environmental Health Division of the Fresno County Department of Public Health reviewed this proposal and did not identify any potential noise-related impacts.

However, development of the proposal must comply with the Fresno County Noise Ordinance related to construction noise, limiting noise-generating construction activities to the hours of 7:00 a.m. to 6:00 p.m. Monday through Friday and 7:00 a.m. to 5:00 p.m. Saturday and Sunday, thereby minimizing noise impacts to less than significant. This mandatory requirement will be included as a Project Note.

E. Would the project expose people to excessive noise levels associated with a location near an airport or a private airstrip; or

F. For a project within the vicinity of a private airstrip, would the project expose people residing or working in the project area to excessive noise levels?

FINDING: NO IMPACT:

The subject parcel is not located in the vicinity of a public airport or private airstrip, and is not impacted by airport noise.

XIII. POPULATION AND HOUSING

A. Would the project induce substantial population growth either directly or indirectly; or

B. Would the project displace substantial numbers of existing housing; or

C. Would the project displace substantial numbers of people, necessitating the construction of housing elsewhere?

FINDING: NO IMPACT:

This proposal will not construct or displace housing and will not otherwise induce population growth.

XIV. PUBLIC SERVICES

A. Would the project result in substantial adverse physical impacts associated with the provision of new or physically-altered public facilities in the following areas:

1. Fire protection?

FINDING: LESS THAN SIGNIFICANT IMPACT:

The subject parcel is located within the State Responsibility Area (SRA) for control and suppression of wildland fire. Any development associated with this proposal shall comply with the California Code of Regulations Title 24 – Fire Code. This mandatory requirement will be included as a Project Note to be addressed during Site Plan Review (SPR), which will be required as a Condition of Approval. Conditions of the SPR may include: design of parking and circulation areas, access, on-site grading and drainage, fire protection, landscaping, signage and lighting.

2. Police protection?

FINDING: NO IMPACT:

This proposal was reviewed by the Fresno County Sheriff's Department, which did not identify any concerns related to the proposal.

3. Schools; or

4. Parks; or

5. Other public facilities?

FINDING: NO IMPACT:

No impacts on the provision of other services were identified in the project analysis.

XV. RECREATION

A. Would the project increase the use of existing neighborhood and regional parks; or

B. Would the project require the construction of or expansion of recreational facilities?

FINDING: NO IMPACT:

No such impacts were identified in the project analysis.

XVI. TRANSPORTATION/TRAFFIC

A. Would the project conflict with any applicable plan, ordinance or policy establishing measures of effectiveness for the performance of the circulation system, taking into account all modes of transportation; or

B. Would the project conflict with an applicable congestion management program, including, but not limited to, level of service standards and travel demands measures?

FINDING: LESS THAN SIGNIFICANT IMPACT WITH MITIGATION INCORPORATED:

This proposal entails construction of an Interstate Freeway Interchange Commercial Development comprised of a restaurant, market, automobile fueling station, truck fueling station, laundry facility, shower facility, Liquefied Petroleum Gas (LPG) sales, photovoltaic solar power generation system, and 149-foot-tall marquee sign to be located at the northwest quadrant of Interstate Highway 5 and Nees Avenue.

This proposal was reviewed by the California Department of Transportation (Caltrans) and the Design Division of the Fresno County Department of Public Works and Planning, both of which agencies determined that a Traffic Impact Study (TIS) was needed to effectively evaluate potential traffic-related impacts associated with the

proposed Interstate Freeway Interchange Commercial Development. In accordance with this determination, a TIS was prepared for the proposal by Peters Engineering Group.

The TIS prepared for the proposed Interstate Freeway Interchange Commercial Development by Peters Engineering Group includes analysis of the Interstate Highway 5 northbound and southbound ramp intersections at Nees Avenue; traffic index analysis of Nees Avenue between the northbound ramps and southbound ramps and west of the southbound ramps; and merge/diverge analyses of Interstate Highway 5 ramps at Nees Avenue. The TIS determined Sunday afternoon to be the study time period, after concluding 24-hour traffic counts from Thursday, September 15, 2016 through Sunday, September 18, 2016. The study time period was then analyzed for Existing Conditions; Existing plus Project Conditions; Existing plus Approved and Pending Projects plus Project Conditions; Cumulative (Year 2037) without Project Conditions; and Cumulative (Year 2037) with Project Conditions.

According to Caltrans, the proposed Interstate Freeway Interchange Commercial Development will cause a significant traffic impact by increasing the Traffic Index (TI) on Nees Avenue between the subject parcel and the Interstate Highway 5 northbound ramps by a significant amount (at least 0.5). Further, according to the Road Maintenance and Operations Division of the Fresno County Department of Public Works and Planning, impacts associated with this increase in TI shall be mitigated by requiring the placement of a two-inch (2") Hot Mix Asphalt (HMA) overlay on Nees Avenue and Paul Negra Road between the subject parcel and the Interstate Highway 5 northbound ramps prior to opening day of the proposed Interstate Freeway Interchange Commercial Development. Such work shall also require replacement of traffic striping and dig-out of failed areas of pavement prior to placement of the two-inch (2") overlay. This requirement will be included as a Mitigation Measure to reduce adverse transportation and traffic impacts from the subject proposal to a less than significant level.

* ***Mitigation Measure***

1. *Prior to opening day of the proposed Interstate Freeway Interchange Commercial Development, placement of a two-inch (2") Hot Mix Asphalt (HMA) overlay shall be required on Nees Avenue and Paul Negra Road between the subject parcel and the Interstate Highway 5 northbound ramps. Such work shall also require replacement of traffic striping and dig-out of failed areas of pavement prior to placement of the two-inch (2") overlay.*

C. Would the project result in a change in air traffic patterns?

FINDING: NO IMPACT:

This proposal will not result in a change in air traffic patterns. No such impacts were identified in the project analysis.

D. Would the project substantially increase traffic hazards due to design features; or

E. Would the project result in inadequate emergency access?

FINDING: NO IMPACT:

No such impacts were identified in the project analysis.

F. Would the project conflict with adopted plans, policies or programs regarding public transit, bicycle or pedestrian facilities or otherwise decrease the performance or safety of such facilities?

FINDING: NO IMPACT:

This proposal will not conflict with any adopted alternative transportation plans. No such impacts were identified in the project analysis.

XVII. UTILITIES AND SERVICE SYSTEMS

A. Would the project exceed wastewater treatment requirements; or

B. Would the project require construction of or the expansion of new water or wastewater treatment facilities?

FINDING: LESS THAN SIGNIFICANT IMPACT WITH MITIGATION INCORPORATED:

See discussion in Section VI.E Geology and Soils.

C. Would the project require or result in the construction or expansion of new storm water drainage facilities?

FINDING: LESS THAN SIGNIFICANT IMPACT:

See discussion in Section IX.E Hydrology and Water Quality.

D. Would the project have sufficient water supplies available from existing entitlements and resources, or are new or expanded entitlements needed?

FINDING: LESS THAN SIGNIFICANT IMPACT WITH MITIGATION INCORPORATED:

According to the State Water Resources Control Board, Division of Drinking Water, the proposed Interstate Freeway Interchange Commercial Development requires a public water system classified as a Non-Transient Non-Community Water System, which requires permitting by the State Water Resources Control Board, Division of Drinking Water. The Applicant shall submit a permit application, technical report, application fee, and construction plans for the well and water distribution system to the State Water Resources Control Board, Division of Drinking Water for review and approval prior to construction and operation of the required water system. As a public water system, the Applicant must be able to demonstrate adequate technical, managerial and financial capacity to operate and maintain the water system in compliance with all State and

federal regulations. An assessment of the technical, managerial and financial capacity of the proposed water system shall be included with the permit application submitted to the State Water Resources Control Board, Division of Drinking Water. The Applicant shall also demonstrate to the State Water Resources Control Board, Division of Drinking Water that the well proposed to provide drinking water meets drinking water standards. These mandatory requirements will be included as Project Notes.

Prior to completion of the Site Plan Review (SPR) required for the proposed Interstate Freeway Interchange Commercial Development, the Applicant shall submit for any permits required by the State Water Resources Control Board, Division of Drinking Water for operation of a Non-Transient Non-Community Water System. Additionally, the Applicant shall comply with State mandatory permitting requirements as listed in the Project Notes for Unclassified Conditional Use Permit No. 3528. Further, proof of acceptance by the State regarding the design of the Non-Transient Non-Community Water System, and authorization from the State to operate the Non-Transient Non-Community Water System must be provided to the County prior to granting occupancy to the proposed Interstate Freeway Interchange Commercial Development. These requirements will be included in a Mitigation Measure to reduce adverse utility and service system impacts from the subject proposal to a less than significant level.

* ***Mitigation Measure***

1. *Prior to completion of the Site Plan Review (SPR) required for the proposed Interstate Freeway Interchange Commercial Development, the Applicant shall submit for any permits required by the State Water Resources Control Board, Division of Drinking Water for operation of a Non-Transient Non-Community Water System. Additionally, the Applicant shall comply with State mandatory permitting requirements as listed in the Project Notes for Unclassified Conditional Use Permit No. 3528. Further, proof of acceptance by the State regarding the design of the Non-Transient Non-Community Water System, and authorization from the State to operate the Non-Transient Non-Community Water System must be provided to the County prior to granting occupancy to the proposed Interstate Freeway Interchange Commercial Development.*

E. Would the project result in a determination of inadequate wastewater treatment capacity to serve project demand?

FINDING: LESS THAN SIGNIFICANT IMPACT WITH MITIGATION INCORPORATED:

See discussion in Section VI.E Geology and Soils.

F. Would the project be served by a landfill with sufficient permitted capacity; or

G. Would the project comply with federal, state and local statutes and regulations related to solid waste?

FINDING: NO IMPACT:

No such impacts were identified in the project analysis.

XVIII. MANDATORY FINDINGS OF SIGNIFICANCE

A. Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal, or eliminate important examples of the major periods of California prehistory or history?

FINDING: LESS THAN SIGNIFICANT IMPACT WITH MITIGATION INCORPORATED:

Pursuant to discussion in Section IV (Biological Resources), no such impacts on biological resources were identified in the project analysis. Pursuant to discussion in Section V (Cultural Resources), this proposal may have impacts on cultural resources; however, the Mitigation Measure included in Section V (Cultural Resources) will reduce such impacts to a less than significant level.

B. Does the project have impacts that are individually limited, but cumulatively considerable?

FINDING: NO IMPACT:

No cumulatively considerable impacts were identified in the project analysis.

C. Does the project have environmental impacts which will cause substantial adverse effects on human beings, either directly or indirectly?

FINDING: NO IMPACT:

No substantial adverse impacts on human beings were identified in the project analysis.

CONCLUSION/SUMMARY

Based upon the Initial Study prepared for Unclassified Conditional Use Permit Application No. 3528, staff has concluded that the project will not have a significant effect on the environment. It has been determined that there would be no impacts to mineral resources, population and housing, or recreation.

Potential impacts related to agricultural and forestry resources, greenhouse gas emissions, hazards and hazardous materials, land use and planning, noise, and public services have been determined to be less than significant.

Potential impacts relating to aesthetics, air quality, biological resources, cultural resources, geology and soils, hydrology and water quality, transportation and traffic, and utilities and service systems have been determined to be less than significant with the identified Mitigation Measures.

A Mitigated Negative Declaration is recommended and is subject to approval by the decision-making body. The Initial Study is available for review at 2220 Tulare Street, Suite A, Street Level, located on the southeast corner of Tulare and "M" Street, Fresno, California.

DC:
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EXHIBIT 10

File original and one copy with:	Space Below For County Clerk Only.
Fresno County Clerk **2221 Kern Street** **Fresno, California 93721**	CLK-2046.00 E04-73 R00-00

Agency File No:	**LOCAL AGENCY PROPOSED MITIGATED NEGATIVE DECLARATION**	County Clerk File No:
IS 7104		**E**

Responsible Agency (Name):	Address (Street and P.O. Box):	City:	Zip Code:
Fresno County	2220 Tulare St. Sixth Floor	Fresno	93721

Agency Contact Person (Name and Title):	Area Code:	Telephone Number:	Extension:
Derek Chambers, Planner	559	600-4205	N/A

Applicant (Name):	Project Title:
Shawn Shiralian	Unclassified Conditional Use Permit Application No. 3528

Project Description:

Allow an Interstate Freeway Interchange Commercial Development, including adoption of a Master Plan for said development, comprised of a restaurant, market, automobile fueling station, truck fueling station, laundry facility, shower facility, Liquefied Petroleum Gas (LPG) sales, photovoltaic solar power generation system to provide electricity to the proposed development, and a 149-foot-tall marquee sign on a 10.10-acre parcel in the AE-40 (Exclusive Agricultural, 40-acre minimum parcel size) Zone District. The subject parcel is located on the northwest corner of Interstate 5 (I-5) and Nees Avenue, approximately 17 miles west of the nearest city limits of the City of Firebaugh (Sup. Dist. 1) (APN 005-100-47s).

Justification for Negative Declaration:

Based upon the Initial Study prepared for Unclassified Conditional Use Permit Application No. 3528, staff has concluded that the project will not have a significant effect on the environment.

No impacts were identified related to mineral resources, population and housing, or recreation.

Potential impacts related to agricultural and forestry resources, greenhouse gas emissions, hazards and hazardous materials, land use and planning, noise, and public services have been determined to be less than significant.

Potential impacts relating to aesthetics, air quality, biological resources, cultural resources, geology and soils, hydrology and water quality, transportation and traffic, and utilities and service systems have been determined to be less than significant with the identified Mitigation Measures.

The Initial Study and MND are available for review at 2220 Tulare Street, Suite A, Fresno, CA 93721.

FINDING:

The proposed project will not have a significant impact on the environment.

Newspaper and Date of Publication:	Review Date Deadline:
Fresno Business Journal – July 21, 2017	August 21, 2017

Date:	Type or Print Signature:	Submitted by (Signature):
July 18, 2017	Chris Motta Principal Planner	Derek Chambers Planner

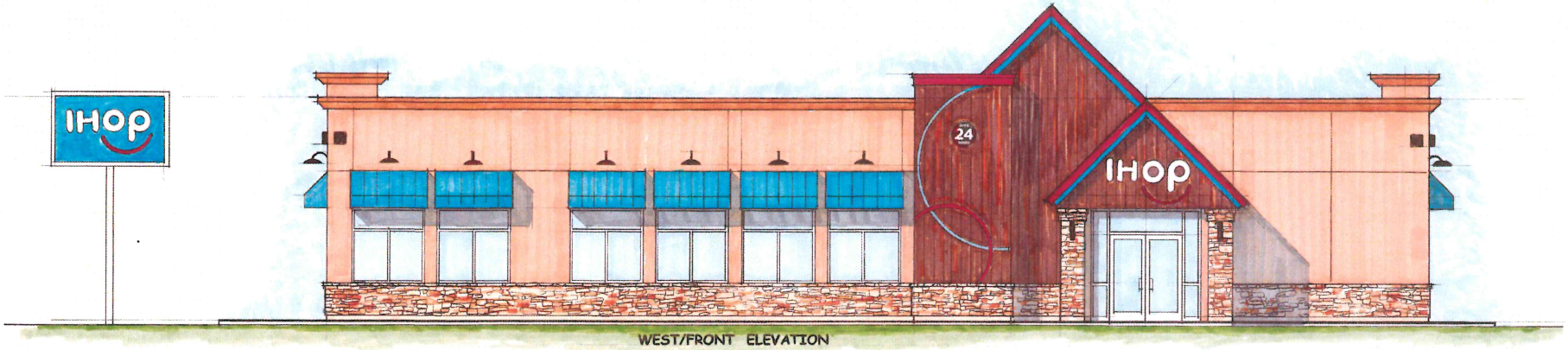
State 15083, 15085

County Clerk File No.:_____

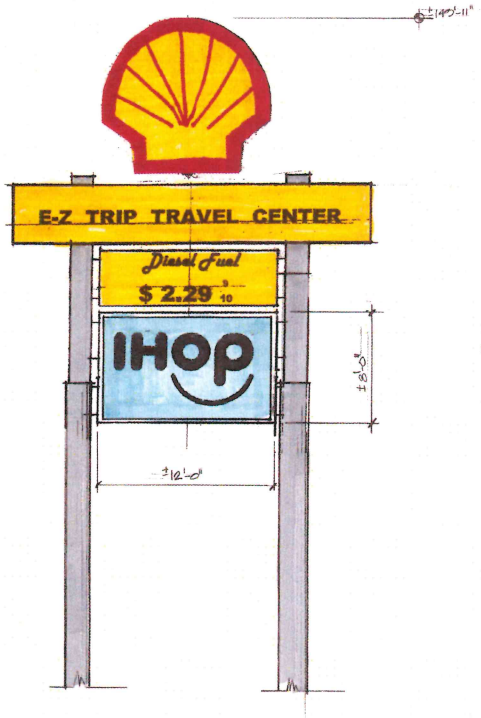
LOCAL AGENCY
MITIGATED NEGATIVE DECLARATION

E-Z TRIP TRAVEL CENTER WITH IHOP RESTAURANT

INTERSTATE 5 AT NEES AVENUE FRESNO COUNTY, CALIFORNIA



WEST/FRONT ELEVATION



SIGNS

SOUTH ELEVATION

NORTH ELEVATION

EXHIBIT 11

MILLENNIUM ACQUISITIONS LLC
2491 West Shaw Avenue, Suite 123
Fresno, California 93711