

EXHIBIT 4: ARMY CORP OF ENGINEER'S CORRESPONDENCE

From: [Truan, Van A SPA](#)
To: [Brandice Eslinger](#)
Subject: RE: Request for Information (UNCLASSIFIED)
Date: Wednesday, June 22, 2011 2:35:07 PM

Classification: UNCLASSIFIED
Caveats: NONE

Brandice,

I know both sites and there are no jurisdictional waters of the U.S., including wetlands on either site.

Let me know if you need anything else.

Van

Van Truan
Chief, Southern Colorado\ Regulatory Branch
200 S. Santa Fe. Avenue, Suite 301
Pueblo, Colorado 81003
719-543-6915 fax 719-543-9475

van.a.truan@usace.army.mil

-----Original Message-----

From: Brandice Eslinger [<mailto:allphase@aculink.net>]
Sent: Wednesday, June 22, 2011 2:11 PM
To: Truan, Van A SPA
Subject: Request for Information

Mr. Truan,

I have attached a request for information regarding an Environmental Assessment we are conducting in Pueblo County. The two addresses for the alternatives being evaluated are:

1001 N. Santa Fe and 829 E. Industrial

Please let me know if you have any questions.

Thanks,

Brandice N. Eslinger

President

All-Phase Environmental Consultants, Inc.

721 W. 9th Street

Pueblo, Colorado 81003

P: (719) 545-0375

M: (719) 240-4690

F: (719) 542-2807

allphase@aculink.net

Classification: UNCLASSIFIED

Caveats: NONE

EXHIBIT 5: DOW CORRESPONDENCE & IPAC PRINTOUTS



U.S. Fish and Wildlife Service

Natural Resources of Concern

This resource list is to be used for planning purposes only — it is not an official species-list.

Endangered Species Act species-list information for your project is available online and listed below for the following FWS Field Offices:

COLORADO ECOLOGICAL SERVICES FIELD OFFICE
DENVER FEDERAL CENTER
P.O. BOX 25486
DENVER, CO 80225
(303) 236-4773
<http://www.fws.gov/mountain-prairie/es/Colorado/>
<http://www.fws.gov/platterriver>

Project Name:

EOC - Pueblo West



U.S. Fish and Wildlife Service

Natural Resources of Concern

Project Location Map:



Project Counties:

Pueblo, CO

Geographic coordinates (Open Geospatial Consortium Well-Known Text, NAD83):

MULTIPOLYGON (((-104.7058489 38.3311492, -104.7053983 38.3331448, -104.7029736 38.3323723, -104.7033491 38.3317178, -104.7038104 38.3308059, -104.7043254 38.329969, -104.7047975 38.3306342, -104.7058489 38.3311492)))

Project Type:

Federal Grant / Loan Related



Natural Resources of Concern

Endangered Species Act Species-list

There are a total of 6 species in your species-list

Species that may be affected by your project:

Birds			
Mexican Spotted owl (<i>Strix occidentalis lucida</i>)	Threatened	species info	Colorado Ecological Services Field Office
Fishes			
Arkansas darter (<i>Etheostoma cragini</i>)	Candidate	species info	Colorado Ecological Services Field Office
Greenback Cutthroat trout (<i>Oncorhynchus clarki ssp. stomias</i>)	Threatened	species info	Colorado Ecological Services Field Office
Mammals			
Black-Footed ferret (<i>Mustela nigripes</i>) Population: U.S.A. (specific portions of AZ, CO, MT, SD, UT, and WY)	Experimental Population, Non-Essential	species info	Colorado Ecological Services Field Office
Canada Lynx (<i>Lynx canadensis</i>) Population: (Contiguous U.S. DPS)	Threatened	species info	Colorado Ecological Services Field Office
North American wolverine (<i>Gulo gulo luscus</i>)	Candidate	species info	Colorado Ecological Services Field Office

FWS National Wildlife Refuges

There are no refuges found within the vicinity of your project.

FWS Migratory Birds

Not yet available through IPaC.

FWS Delineated Wetlands

Not yet available through IPaC.



U.S. Fish and Wildlife Service

Natural Resources of Concern



COLORADO PARKS AND WILDLIFE
1313 Sherman Street, Room 618 • Denver, Colorado 80203
Phone (303) 866-3437 • FAX (303) 866-3206
wildlife.state.co.us • parks.state.co.us



August 8, 2011

Brandice N. Eslinger
President
All-Phase Environmental Consultants, Inc.
721 W. 9th Street
Pueblo, Colorado 81003

Mike Trujillo Area Wildlife Manager
Colorado Division of Wildlife
600 Pueblo Reservoir Road
Pueblo, CO 81005

Re: EA Industrial Area Pueblo West

Dear Ms. Brandice N. Eslinger

Thank you for the opportunity to comment regarding the proposed development. A representative from the Division of Wildlife has visited the site and has the following comments.

The Division of Wildlife does not foresee significant impacts to wildlife or wildlife habitat in the proposed area. To our knowledge there are no known Threatened or Endangered species within or in close proximity to the project sites.

Once again, thank you for the opportunity to comment on this issue. Please feel free to contact our office at 719-561-5300, if you have any questions or comments regarding this or any other wildlife matter.

Sincerely,

Mike Trujillo, AWM

STATE OF COLORADO

John W. Hickenlooper, Governor • Mike King, Executive Director, Department of Natural Resources
Rick D. Cables, Director, Colorado Parks and Wildlife
Parks and Wildlife Board: David R. Brougham • Gary Butterworth, Vice-Chair • Chris Castilian
Dorothea Farris • Tim Glenn, Chair • Allan Jones • Bill Kane • Gaspar Perricone • Jim Pribyl • John Singletary
Mark Smith, Secretary • Robert Streeter • Lenna Watson • Dean Wingfield
Ex Officio Members: Mike King and John Salazar

EXHIBIT 6: TITLE 44 REFERENCES

§ 9.4 Definitions.

[↑ top](#)

The following definitions shall apply throughout this regulation.

Action means any action or activity including: (a) Acquiring, managing and disposing of Federal lands and facilities; (b) providing federally undertaken, financed or assisted construction and improvements; and (c) conducting Federal activities and programs affecting land use, including, but not limited to, water and related land resources, planning, regulating and licensing activities.

Actions Affecting or Affected by Floodplains or Wetlands means actions which have the potential to result in the long- or short-term impacts associated with (a) the occupancy or modification of floodplains, and the direct or indirect support of floodplain development, or (b) the destruction and modification of wetlands and the direct or indirect support of new construction in wetlands.

Administrator means the Administrator of the Federal Emergency Management Agency.

Agency means the Federal Emergency Management Agency (FEMA).

Agency Assistance means grants for projects or planning activities, loans, and all other forms of financial or technical assistance provided by the Agency.

Base Flood means the flood which has a one percent chance of being equalled or exceeded in any given year (also known as a 100-year flood). This term is used in the National Flood Insurance Program (NFIP) to indicate the minimum level of flooding to be used by a community in its floodplain management regulations.

Base Floodplain means the 100-year floodplain (one percent chance floodplain).

Coastal High Hazard Area means the areas subject to high velocity waters including but not limited to hurricane wave wash or tsunamis. On a Flood Insurance Rate Map (FIRM), this appears as zone V1-30, VE or V.

Critical Action means an action for which even a slight chance of flooding is too great. The minimum floodplain of concern for critical actions is the 500-year floodplain, i.e., critical action floodplain. Critical actions include, but are not limited to, those which create or extend the useful life of structures or facilities:

- (a) Such as those which produce, use or store highly volatile, flammable, explosive, toxic or water-reactive materials;
- (b) Such as hospitals and nursing homes, and housing for the elderly, which are likely to contain occupants who may not be sufficiently mobile to avoid the loss of life or injury during flood and storm events;
- (c) Such as emergency operation centers, or data storage centers which contain records or services that may become lost or inoperative during flood and storm events; and
- (d) Such as generating plants, and other principal points of utility lines.

Direct Impacts means changes in floodplain or wetland values and functions and changes in the risk to lives and property caused or induced by an action or related activity. Impacts are caused whenever these natural values and functions are affected as a direct result of an action. An action which would result in the discharge of polluted storm waters into a floodplain or wetland, for example, would directly affect their natural values and functions. Construction-related activities, such as dredging and filling operations within the floodplain or a wetland would be another example of impacts caused by an action.

Emergency Actions means emergency work essential to save lives and protect property and public health and safety performed under sections 305 and 306 of the Disaster Relief Act of 1974 (42 U.S.C. 5145 and 5146). See 44 CFR part 205, subpart E.

Enhance means to increase, heighten, or improve the natural and beneficial values associated with wetlands.

Facility means any man-made or man-placed item other than a structure.

FEMA means the Federal Emergency Management Agency.

FIA means the Federal Insurance Administration.

Five Hundred Year Floodplain (the 500-year floodplain or 0.2 percent change floodplain) means that area, including the base floodplain, which is subject to inundation from a flood having a 0.2 percent chance of being equalled or exceeded in any given year.

Flood or *flooding* means a general and temporary condition of partial or complete inundation of normally dry land areas from the overflow of inland and/or tidal waters, and/or the unusual and rapid accumulation or runoff of surface waters from any source.

Flood Fringe means that portion of the floodplain outside of the floodway (often referred to as “floodway fringe”).

Flood Hazard Boundary Map (FHBM) means an official map of a community, issued by the Administrator, where the boundaries of the flood, mudslide (i.e., mudflow) and related erosion areas having special hazards have been designated as Zone A, M, or E.

Flood Insurance Rate Map (FIRM) means an official map of a community on which the Administrator has delineated both the special hazard areas and the risk premium zones applicable to the community. FIRMs are also available digitally, and are called Digital Flood Insurance Rate Maps (DFIRM).

Flood Insurance Study (FIS) means an examination, evaluation and determination of flood hazards and, if appropriate, corresponding water surface elevations or an examination, evaluation and determination of mudslide (i.e., mudflow) and/or flood-related erosion hazards.

Floodplain means the lowland and relatively flat areas adjoining inland and coastal waters including, at a minimum, that area subject to a one percent or greater chance of flooding in any given year. Wherever in this regulation the term “floodplain” is used, if a critical action is involved, “floodplain” shall mean the area subject to inundation from a flood having a 0.2 percent chance of occurring in any given year (500-year floodplain). “Floodplain” does not include areas subject only to mudflow until FIA adopts maps identifying “M” Zones.

Floodproofing means the modification of individual structures and facilities, their sites, and their contents to protect against structural failure, to keep water out, or to reduce effects of water entry.

Floodway means that portion of the floodplain which is effective in carrying flow, within which this carrying capacity must be preserved and where the flood hazard is generally highest, i.e., where water depths and velocities are the greatest. It is that area which provides for the discharge of the base flood so the cumulative increase in water surface elevation is no more than one foot.

Functionally Dependent Use means a use which cannot perform its intended purpose unless it is located or carried out in close proximity to water, (e.g., bridges, and piers).

Indirect Impacts means an indirect result of an action whenever the action induces or makes possible related activities which effect the natural values and functions of floodplains or wetlands or the risk to lives and property. Such impacts occur whenever these values and functions are potentially affected, either in the short- or long-term, as a result of undertaking an action.

Minimize means to reduce to the smallest amount or degree possible.

Mitigation means all steps necessary to minimize the potentially adverse effects of the proposed action, and to restore and preserve the natural and beneficial floodplain values and to preserve and enhance natural values of wetlands.

Mitigation Directorate means the Mitigation Directorate of the Federal Emergency Management Agency.

Natural Values of Floodplains and Wetlands means the qualities of or functions served by floodplains and wetlands which include but are not limited to: (a) Water resource values (natural moderation of floods, water quality maintenance, groundwater recharge); (b) living resource values (fish, wildlife, plant resources and habitats); (c) cultural resource values (open space, natural beauty, scientific study, outdoor education, archeological and historic sites, recreation); and (d) cultivated resource values (agriculture, aquaculture, forestry).

New Construction means the construction of a new structure (including the placement of a mobile home) or facility or the replacement of a structure or facility which has been totally destroyed.

New Construction in Wetlands includes draining, dredging, channelizing, filling, diking, impounding, and related activities and any structures or facilities begun or authorized after the effective dates of the Orders, May 24, 1977.

Orders means Executive Orders 11988, Floodplain Management, and 11990, Protection of Wetlands.

Practicable means capable of being done within existing constraints. The test of what is practicable depends upon the situation and includes consideration of all pertinent factors, such as environment, cost and technology.

Preserve means to prevent alterations to natural conditions and to maintain the values and functions which operate the floodplains or wetlands in their natural states.

Regional Administrator means the Regional Administrator of the Federal Emergency Management Agency for the Region in which FEMA is acting, or the Disaster Recovery Manager when one is designated.

Regulatory Floodway means the area regulated by federal, State or local requirements to provide for the discharge of the base flood so the cumulative increase in water surface elevation is no more than a designated amount (not to exceed one foot as set by the National Flood Insurance Program).

Restore means to reestablish a setting or environment in which the natural functions of the floodplain can again operate.

Structures means walled or roofed buildings, including mobile homes and gas or liquid storage tanks.

Substantial Improvement means any repair, reconstruction or other improvement of a structure or facility, which has been damaged in excess of, or the cost of which equals or exceeds, 50% of the market value of the structure or replacement cost of the facility (including all "public facilities" as defined in the Disaster Relief Act of 1974) (a) before the repair or improvement is started, or (b) if the structure or facility has been damaged and is proposed to be restored, before the damage occurred. If a facility is an essential link in a larger system, the percentage of damage will be based on the relative cost of repairing the damaged facility to the replacement cost of the portion of the system which is operationally dependent on the facility. The term "substantial improvement" does not include any alteration of a structure or facility listed on the National Register of Historic Places or a State Inventory of Historic Places.

Support means to encourage, allow, serve or otherwise facilitate floodplain or wetland development. Direct support results from actions within a floodplain or wetland, and indirect support results from actions outside of floodplains or wetlands.

Wetlands means those areas which are inundated or saturated by surface or ground water with a frequency sufficient to support, or that under normal hydrologic conditions does or would support, a prevalence of vegetation or aquatic life typically adapted for life in saturated or seasonally saturated soil conditions. Examples of wetlands include, but are not limited to, swamps, fresh and salt water marshes, estuaries, bogs, beaches, wet meadows, sloughs, potholes, mud flats, river overflows and other similar areas. This definition includes those wetlands areas separated from their natural supply of water as a result of activities such as the construction of structural flood protection methods or solid-

fill road beds and activities such as mineral extraction and navigation improvements. This definition is intended to be consistent with the definition utilized by the U.S. Fish and Wildlife Service in the publication entitled *Classification of Wetlands and Deep Water Habitats of the United States* (Cowardin, et al., 1977).

[45 FR 59526, Sept. 9, 1980, as amended at 47 FR 13149, Mar. 29, 1982; 50 FR 40006, Oct. 1, 1985; 74 FR 15335, Apr. 3, 2009]

EXHIBIT 7: MOU WITH DEPARTMENT OF ARMY



FEMA

**MEMORANDUM OF UNDERSTANDING
BETWEEN THE
DEPARTMENT OF THE ARMY
AND THE**



**FEDERAL EMERGENCY MANAGEMENT AGENCY
DEPARTMENT OF HOMELAND SECURITY**

SUBJECT: Chemical Stockpile Emergency Preparedness Program (CSEPP)

1. **Purpose.** This Memorandum of Understanding (MOU) establishes a framework of cooperation between the Department of Homeland Security, Federal Emergency Management Agency (DHS, FEMA) and the Department of the Army (Army) to identify their respective roles, responsibilities and joint efforts for emergency response preparedness involving the storage and ultimate disposal of the U.S. stockpile of chemical warfare materiel. This MOU shall supersede all previous agreements between FEMA and the Army regarding the CSEPP.

In order to best manage the CSEPP effort, both FEMA and the Army agree that FEMA should be responsible for managing and directing the off-post aspects of the program while the Army retains that responsibility for the on-post aspects of the program. To that end, both parties supported legislation, which gave FEMA the necessary authority with respect to CSEPP to take on this expanded role.

2. **Background.**

- a. The United States currently stockpiles chemical agents and munitions at eight Army installations within the continental United States.
- b. Public Law 99-145 directs the Department of Defense to dispose of the U.S. stockpile of lethal chemical agents and munitions. As a first step in that disposal program, the Army in 1986 prepared and issued a Final Programmatic Environmental Impact Statement (FPEIS) for the Chemical Stockpile Disposal Program, which was reviewed by FEMA, the Department of Health and Human Services (DHHS), and the U. S. Environmental Protection Agency. The Army's recognition of public concern over the inadequacy of emergency preparedness capabilities at each storage site led to the development of a concept plan for enhancing emergency preparedness at these sites. This plan was committed to in the FPEIS.
- c. In 1998, P.L. 105-261, sec. 141(a) amended P.L. 99-145 by stating that, "In coordination with the Secretary of the Army and in accordance with agreements between the Secretary of the Army and the Director of the Federal Emergency Management Agency, the Director shall carry out a program to provide assistance to State and local governments in developing capabilities to respond to emergencies involving risks to the public health or safety with their jurisdictions . . . [from the stockpile or the destruction of chemical agents and munitions]."
- d. This MOU is a mutual effort on the part of DHS, FEMA and the Army to assure an appropriate level of readiness at the eight chemical stockpile storage installations and in the surrounding communities by identifying:

- 1) Specific areas of responsibility for each agency.

- 2) Areas of special expertise of each agency, which can be applied to support chemical stockpile storage operations and the chemical demilitarization program.
- 3) Areas where coordinated and cooperative programs between DHS, FEMA, and the Army will achieve cost savings through the efficient use of human and material resources.

3. Expertise and Authorities.

- a. DHS, FEMA has special expertise in developing and implementing plans and programs for hazardous materials emergency preparedness under the following authorities:
 - 1) Executive Order 12148 delegates authority to FEMA for developing policies, which provide that all civil defense and civil emergency functions, resources and systems of Executive agencies are developed, tested and used to prepare for, mitigate, respond to, and recover from the effects on the population of all forms of emergencies.
 - 2) Executive Order 12148 also delegates authority to the Director of FEMA to represent the President in working with State and local governments and the private sector to stimulate participation in civil emergency preparedness, mitigation, response, and recovery programs.
 - 3) Section 611 of the Robert T. Stafford Disaster Relief and Emergency Assistance Act, Public Law 93-288, as amended, confers on the Director of FEMA the authorities to prepare Federal response plans and programs for the emergency preparedness of the United States and coordinate such plans with State efforts. These authorities include providing for necessary emergency preparedness communications for the dissemination of warnings to the civilian population of a hazard; study and development of emergency preparedness measures; conduct and development of training for the instruction of emergency preparedness officials and other persons in organization, operation, and techniques of emergency preparedness, and dissemination of emergency preparedness information.
 - 4) Under the Emergency Planning and Community Right-to-Know Act of 1986 (Title III of P.L. 99-499), FEMA is authorized to provide for training and education programs for Federal, State and local personnel in hazard mitigation, emergency preparedness, technological hazards, and emergency processes, with special emphasis with respect to hazardous chemicals.
- b. In the prevention and mitigation of chemical emergencies resulting from storage, handling and disposal incidents, the Army operates under the following authorities:
 - 1) Section 1412 of Public Law 99-145, the Department of Defense Authorization Act of 1986, requires the Secretary of Defense to provide for maximum protection for the environment, the general public, and the personnel who are involved in the destruction of the stockpile of lethal chemical agents and munitions.
 - 2) Executive Order 12580 delegates to the Army the President's broad response authority under Section 104 of CERCLA with respect to releases or threatened release from any facility under the jurisdiction or control of the Secretary of

Defense.

- 3) P.L. 104-201 requires the Secretary of the Army to assess the implementation and success of the establishment of site-specific Integrated Product and Process Teams (IPTs) as a management tool for the Chemical Stockpile Emergency Preparedness Program (CSEPP).

4. Responsibilities.

a. For this MOU, DHS, FEMA agrees to:

- 1) Assume total authority, responsibility and accountability for working with State, Tribal and local governments to develop their off-post emergency preparedness for responding to chemical accidents or incidents at the eight chemical stockpile storage installations.
- 2) Administer funds to the State, Tribal and local governments to support off-post emergency response preparedness for the chemical stockpile as such funds may be appropriated by Congress.
- 3) Take the lead in supporting State, Tribal and local government development of off-post emergency preparedness plans, including upgrading community response capabilities and conducting necessary training.
- 4) Prepare, develop, deliver, and evaluate the effectiveness of, training to State, Tribal and local governments for planning, mitigation and emergency response as they apply to the chemical warfare materiel stockpile.
- 5) Provide technical assistance to State, Tribal and local governments in the development of site-specific emergency preparedness programs.
- 6) Work closely with States, Tribal and local governments to develop policies and procedures to assist in developing and assessing readiness at each site as necessary.
- 7) Provide emergency management assistance, liaison and functional expertise to the Army and State, Tribal and local governments in integrating on-post/off-post emergency response.

b. The Army, in turn, agrees to:

- 1) Provide an annual funding amount to DHS, FEMA at the beginning of each fiscal year that is based on the approved program Life Cycle Cost Estimate, adjusted for the actual Congressional appropriation.
- 2) Provide technical support and expertise to assist DHS, FEMA in implementing off-post chemical agent emergency preparedness procedures, to include:
 - a) Chemical agent emergency preparedness automation systems.
 - b) Meteorological expertise in atmospheric dispersion modeling and site-specific hazard assessments, analyses required for personal protection,

collective protection, monitoring/detection and decontamination equipment, and protective action planning.

- c) Expertise, training, and technical assistance, as requested and in coordination with DHS, FEMA, for emergency medical response to chemical agent incidents/accidents.
- d) Chemical agent-specific equipment and systems support, such as agent testing, personal protection, detection/monitoring, decontamination, modeling, analysis, mitigation and risk analysis.

- 3) Provide technical assistance and support to DHS, FEMA, at their request, in the development, review, and/or conduct of training on chemical agent material characteristics and agent-specific emergency response procedures.
- 4) Conduct site-specific risk analyses, which will be used by DHS, FEMA and the Army in defining readiness and funding requirements for site-specific chemical agent emergency preparedness programs.
- 5) Ensure viable on-post Chemical Accident or Incident Response Assistance (CAIRA) plans are in place and are assessed in conjunction with DHS, FEMA assessments of off-post emergency response plans.

c. Areas of Cooperation. Within the resources available, the Army and DHS, FEMA are committed to:

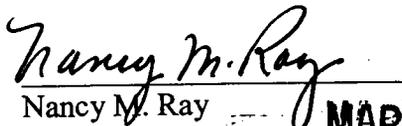
- 1) Jointly developing a readiness posture at the stockpile storage installations and in the surrounding communities based on assessments, validated requirements and available resources at the earliest practicable date.
- 2) Assuring the continuance and success of a collaborative approach to decision-making and problem solving by supporting Integrated Product and Process Teams, in accordance with the provisions of P.L. 104-201.
- 3) The integration and compatibility of on-post and off-post emergency preparedness and response procedures, to include information and communication systems.
- 4) Assessing and improving the effectiveness of Federal, State, Tribal and local response systems and procedures through the design, conduct and evaluation of exercises.
- 5) Keeping the public involved and informed through public information and education programs, including Joint Information Centers/Systems activities, and an active a community relations program.
- 6) Providing reciprocal technical support for joint initiatives as well as initiatives requested by installations and State and local governments.
- 7) Collaborating in the preparation of Army and DHS, FEMA CSEPP budgets to be presented and defended before the Congress each year. This will facilitate maintenance of a joint Life Cycle Cost Estimate for CSEPP, which includes on-post

and off-post emergency preparedness program funding requirements as well as technical support funding requirements.

- 8) Use site-specific risk analyses in conjunction with defining readiness and funding requirements for site-specific chemical materiel emergency preparedness programs.

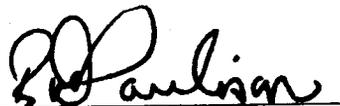
5. Implementation

- a. DHS, FEMA and the Army will continue to jointly develop and implement a full transition of functions as described in this Memorandum of Understanding.
- b. DHS, FEMA and the Army executed a Memorandum for the Record (MFR) that provides details pertaining to the use and operation of the IPTs.
- c. The lead oversight office for the Department of the Army is the Office of the Assistant Secretary of the Army (Acquisition, Logistics and Technology).
- d. The lead oversight office for DHS, FEMA is the Office of the Director, Preparedness Division.



Nancy M. Ray
Colonel, Quartermaster
Acting Deputy Assistant Secretary of the
Army (Elimination of Chemical Weapons)

MAR 23 2004



R. David Paulison
Director
Preparedness Division
Federal Emergency Management Agency
Department of Homeland Security

MAR 23 2004

EXHIBIT 8: ANDERSON CONSULTING ENGINEERS FINDINGS



December 22, 2011

Ms. Brandice N. Eslinger
All-Phase Environmental Consultants, Inc.
721 W. 9th Street
Pueblo, Colorado 81003

RE: EOC Site Assessment: 10th and Santa Fe Site Floodplain Information
[ACE Project No. COCWCB04]

Dear Brandice:

As you requested in your email dated December 21, 2011 (see attached) Anderson Consulting Engineers (ACE) is providing additional floodplain information for the potential Emergency Operations Center (EOC) Site in a letter format. Table 1 summarizes the 'without levee' preliminary Fountain Creek water surface elevations at the potential EOC site bounded by 10th Street on the south; Santa Fe Street on the east; 11th Street on the north; and Main Street on the west in downtown Pueblo, Colorado. It should be noted that the 'without levee' Fountain Creek 100-year floodplain does not reach the subject site and the 500-year floodplain encompasses only a portion of the subject site.

**Table 1. 10th Street & Santa Fe EOC Site in Pueblo, Colorado:
Fountain Creek PRELIMINARY Water Surface Elevations**

Flooding Source	'Without Levee' Water Surface Elevation (feet, NAVD88)	
	100-Year	500-Year
Northeast Corner at 11th Street and Santa Fe	N/A	4691.8
Northwest Corner at 11th Street and Main St.	N/A	N/A
Southeast Corner at 10th Street and Santa Fe	N/A	4691.4
Southwest Corner at 10th Street and Main St.	N/A	4690.4

Notes:

1. Water surfaces from 2-dimensional modeling by Anderson Consulting Engineers, Inc.
2. Water surfaces assume removal of entire embankment/levee down to natural ground. Only the flooding source's respective levee was removed. Concurrent failures/breaches of more than one embankment at a time were not performed.
3. Water surface elevations provided are preliminary and should be utilized for planning purposes only.
4. Water surface elevations provided have not been officially adopted for regulatory purposes.

It is our understanding that these water surface elevations will be utilized for planning purposes associated with Pueblo County's new Emergency Services Facility. It should be

noted that these preliminary results have not been adopted for regulatory purposes and are subject to change. The preliminary hydraulic analyses were completed by ACE in support of the Pueblo County Digital Flood Insurance Rate Map (DFIRM) project while under contract to the Colorado Water Conservation Board (CWCB). The Pueblo County DFIRM is currently on hold while awaiting updated FEMA guidance for mapping floodplains behind levees. An official report and documentation for the Fountain Creek hydraulic analyses has not been produced. The completion date for the Pueblo County DFIRM is unknown by ACE at this time.

If you have any question regarding these preliminary findings please call Thuy Patton at CWCB or me.

Sincerely,
ANDERSON CONSULTING ENGINEERS, INC.



Chris J. Pauley, P.E., CFM
Senior Project Manager

cc: Ms. Thuy Patton, CWCB

attachments: A. Email request from December 21, 2011.

ATTACHMENT A

Chris Pauley

From: Brandice Eslinger [allphase@aculink.net]
Sent: Wednesday, December 21, 2011 10:08 AM
To: Chris Pauley
Subject: RE: EOC in Pueblo, CO - 10th & Santa Fe Site WSELs-RequestForMoreInfo
Categories: Saved

Chris,

What is the base elevation that was used to determine the 500-year flood plain? Also, Steven with FEMA was wondering if we could get this in a letter format? Do you have any available tables/charts?

Brandice N. Eslinger

President
All-Phase Environmental Consultants, Inc.
721 W. 9th Street
Pueblo, Colorado 81003
P: (719) 545-0375
M: (719) 240-4690
F: (719) 542-2807
allphase@aculink.net

From: Chris Pauley [<mailto:cjpauley@acewater.com>]
Sent: Tuesday, December 20, 2011 11:55 AM
To: Brandice Eslinger
Cc: Patton, Thuy; Daryl Wood; Brian Smith
Subject: RE: EOC in Pueblo, CO - 10th & Santa Fe Site WSELs

Brandice:

As you requested please find a table below summarizing the preliminary 500-year Fountain Creek water surface elevations at the intersection of 10th Street and Santa Fe Street in downtown Pueblo, Colorado. It is our understanding that these water surface elevations will be utilized for planning purposes associated with Pueblo County's new Emergency Services Facility. It should be noted that the 100-year 'without levee' water surface elevations do not reach the subject property and that all these preliminary results have not be adopted for regulatory purposes and are subject to change. If you have any question regarding these preliminary findings please call Thuy Patton at CWCB or me.

The 500-year Fountain Creek water surface elevations assuming the Fountain Creek Levee is removed:

Northeast Corner at 11th Street and Santa Fe = 4691.8
Northwest Corner at 11th Street and Main St - Dry/Outside Floodplain
Southeast Corner at 10th Street and Santa Fe = 4691.4
Southwest Corner at 10th Street and Main St = 4690.4

Chris Pauley, P.E., CFM
Senior Project Manager
ANDERSON CONSULTING ENGINEERS, INC.
375 Horsetooth Road, Bldg. 5

Fort Collins, CO 80525

O:970-226-0120 x212

cipauley@acewater.com

From: Brandice Eslinger [<mailto:allphase@aculink.net>]

Sent: Wednesday, December 07, 2011 2:00 PM

To: Chris Pauley

Subject: RE: EOC in Pueblo, CO

Chris,

I appreciate your time today. Here is a FEMA map (from their webpage) and a figure from the Pueblo County Assessor to show you where the "locally preferred alternative" is.....I appreciate all you could do to aide me in getting the best available data for this location.

Thanks!

Brandice N. Eslinger

President

All-Phase Environmental Consultants, Inc.

721 W. 9th Street

Pueblo, Colorado 81003

P: (719) 545-0375

M: (719) 240-4690

F: (719) 542-2807

allphase@aculink.net

EXHIBIT 9: SANBORN MAPS FOR ALTERNATIVE 2



Subject Property

1102 N. Santa Fe Avenue
Pueblo, CO 81003

Inquiry Number: 2854415.3
August 25, 2010

Certified Sanborn® Map Report

Certified Sanborn® Map Report

8/25/10

Site Name:

Subject Property
1102 N. Santa Fe Avenue
Pueblo, CO 81003

Client Name:

All Phase Environmental Cons.
721 West 9th Street
Pueblo, CO 81003



EDR Inquiry # 2854415.3

Contact: Emily

The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by All Phase Environmental Cons. were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

Certified Sanborn Results:

Site Name: Subject Property
Address: 1102 N. Santa Fe Avenue
City, State, Zip: Pueblo, CO 81003
Cross Street:
P.O. # NA
Project: 10-1615
Certification # 5DF3-4C2E-9AEC



Sanborn® Library search results
Certification # 5DF3-4C2E-9AEC

Maps Provided:

1970	1950
1966	1904
1965	1893
1956	
1954	
1951	

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- Library of Congress
- University Publications of America
- EDR Private Collection

The Sanborn Library LLC Since 1866™

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Sanborn Sheet Thumbnails

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.



1970 Source Sheets



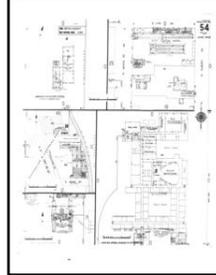
Volume 1, Sheet 464



Volume 1, Sheet 470



Volume 1, Sheet 471



Volume 1, Sheet 514

1966 Source Sheets



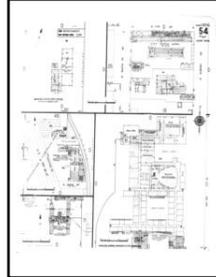
Volume 1, Sheet 803



Volume 1, Sheet 809

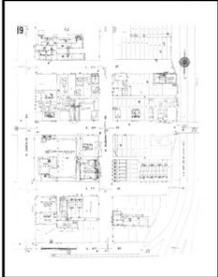


Volume 1, Sheet 810

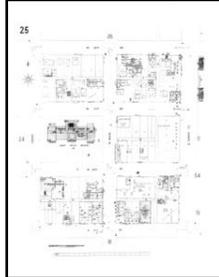


Volume 1, Sheet 410

1965 Source Sheets



Volume 1, Sheet 288



Volume 1, Sheet 294



Volume 1, Sheet 295

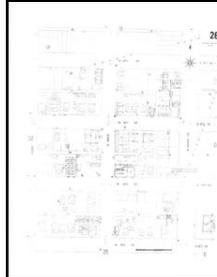
1956 Source Sheets



Volume 1, Sheet 205



Volume 1, Sheet 211



Volume 1, Sheet 212

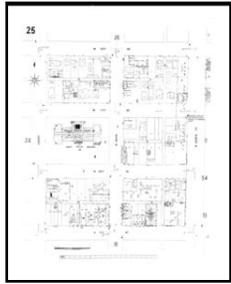


Volume 1, Sheet 240

1954 Source Sheets



Volume 1, Sheet 23



Volume 1, Sheet 29



Volume 1, Sheet 30

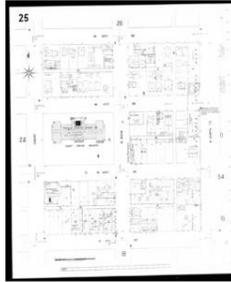


Volume 1, Sheet 58

1951 Source Sheets



Volume 1, Sheet 19



Volume 1, Sheet 25

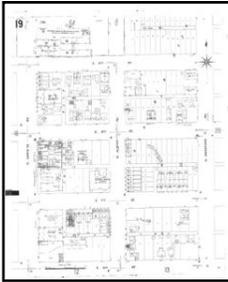


Volume 1, Sheet 26



Volume 1, Sheet 54

1950 Source Sheets



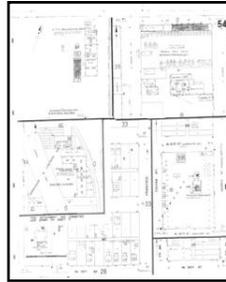
Volume 1, Sheet 19



Volume 1, Sheet 25



Volume 1, Sheet 26



Volume 1, Sheet 54

1904 Source Sheets



Volume 1, Sheet 19



Volume 1, Sheet 25



Volume 1, Sheet 26

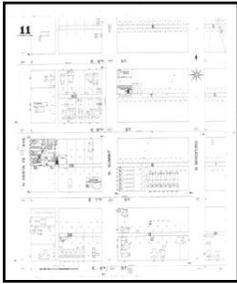
1893 Source Sheets



Volume 1, Sheet 2

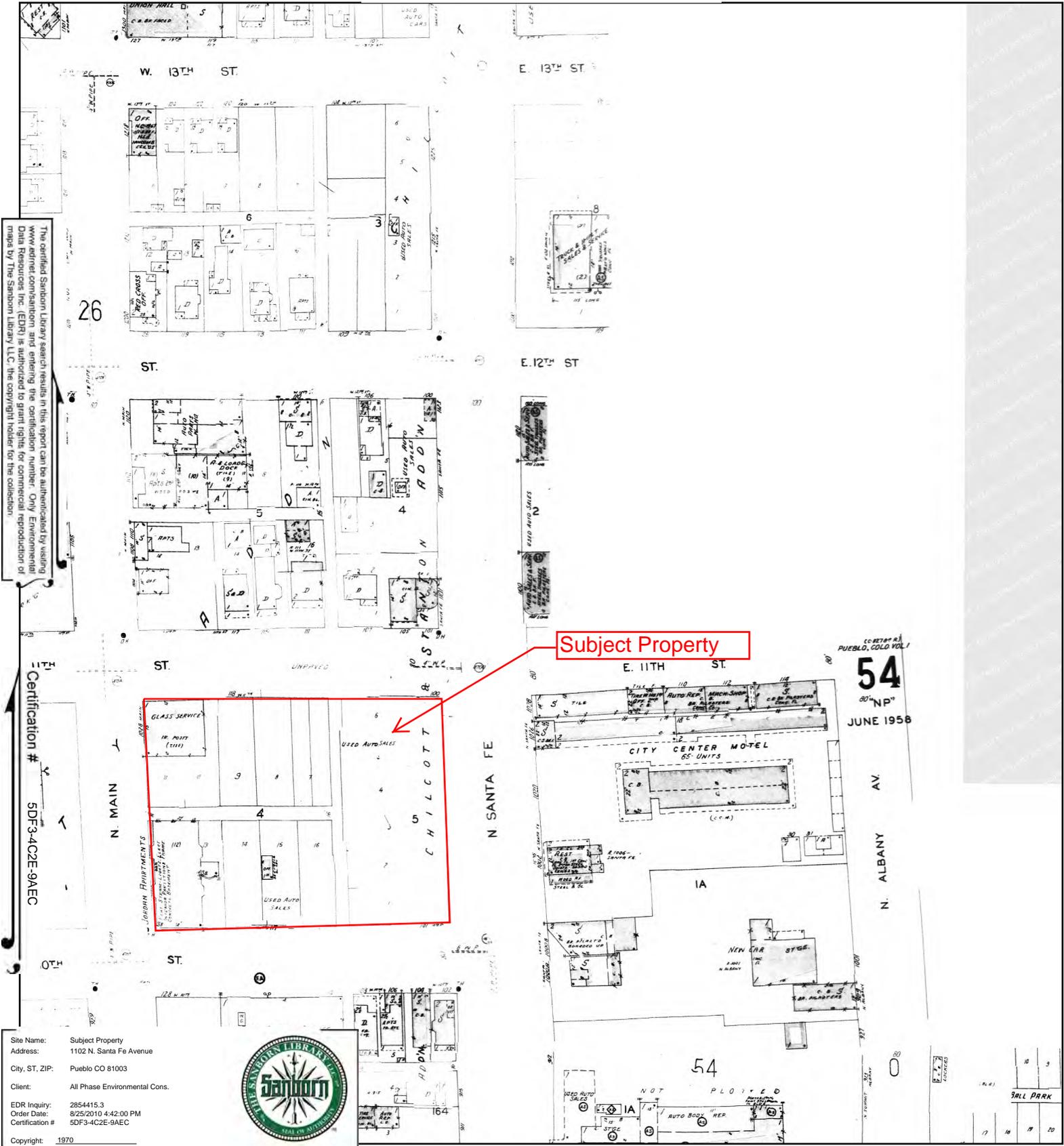


Volume 1, Sheet 6



Volume 1, Sheet 11

1970 Certified Sanborn Map



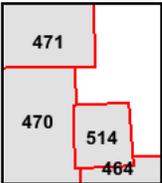
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Certification # 5DF3-4C2E-9AEC

Site Name: Subject Property
 Address: 1102 N. Santa Fe Avenue
 City, ST, ZIP: Pueblo CO 81003
 Client: All Phase Environmental Cons.
 EDR Inquiry: 2854415.3
 Order Date: 8/25/2010 4:42:00 PM
 Certification #: 5DF3-4C2E-9AEC

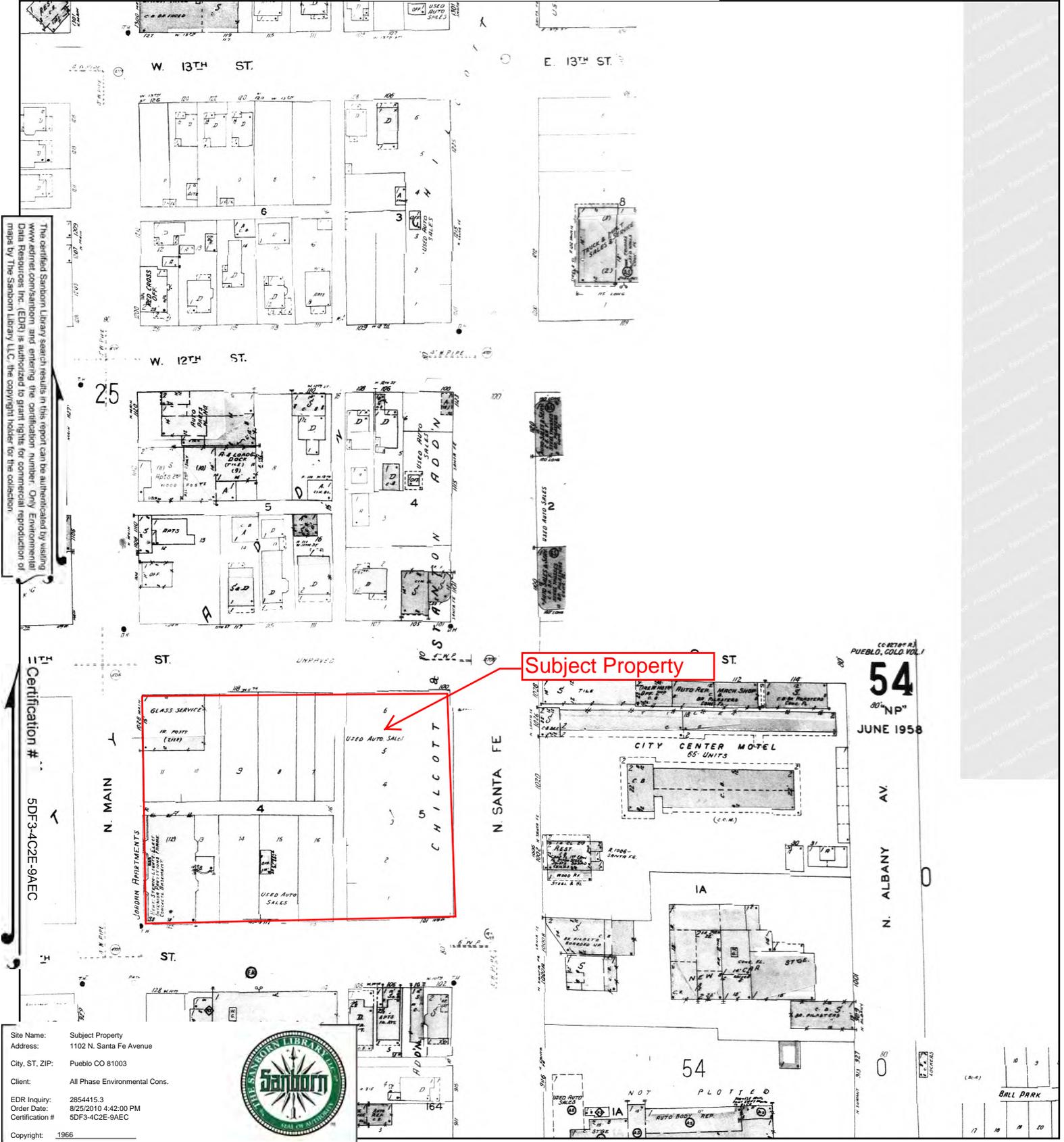


This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.



- Volume 1, Sheet 464
- Volume 1, Sheet 470
- Volume 1, Sheet 471
- Volume 1, Sheet 514

1966 Certified Sanborn Map



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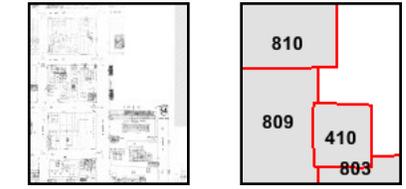
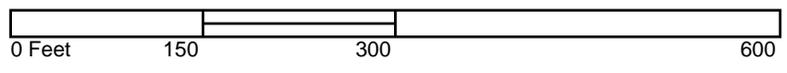
Certification # 5DF3-4C2E-9AEC

Subject Property

Site Name: Subject Property
 Address: 1102 N. Santa Fe Avenue
 City, ST, ZIP: Pueblo CO 81003
 Client: All Phase Environmental Cons.
 EDR Inquiry: 2854415.3
 Order Date: 8/25/2010 4:42:00 PM
 Certification # 5DF3-4C2E-9AEC



This Certified Sanborn Map combines the following sheets.
 Outlined areas indicate map sheets within the collection.



- Volume 1, Sheet 803
- Volume 1, Sheet 809
- Volume 1, Sheet 810
- Volume 1, Sheet 410



1965 Certified Sanborn Map

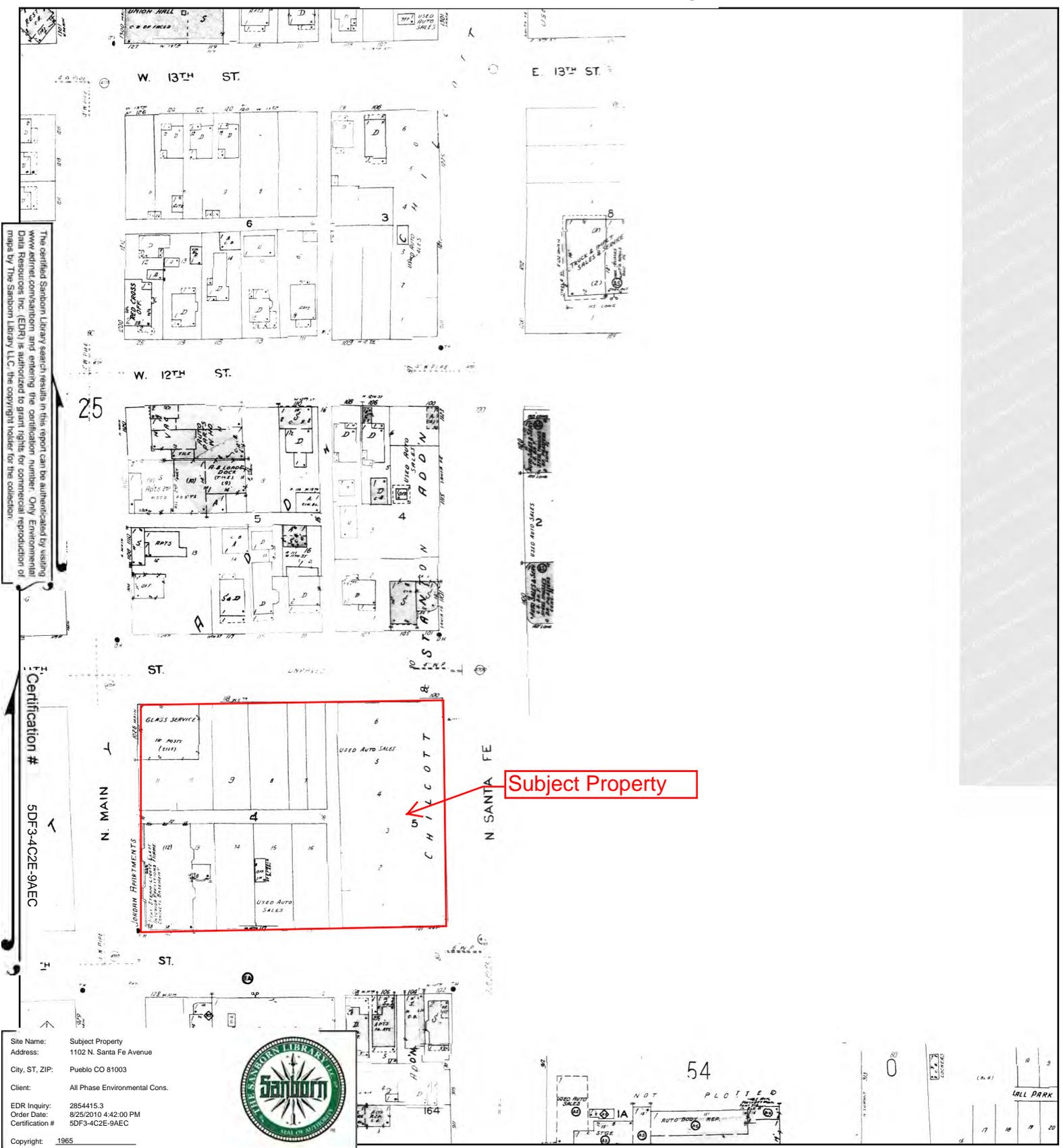
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Certification # **5DF3-4CZE-9AEC**

Site Name: Subject Property
 Address: 1102 N. Santa Fe Avenue
 City, ST, ZIP: Pueblo CO 81003
 Client: All Phase Environmental Cons.
 EDR Inquiry: 2854415.3
 Order Date: 8/25/2010 4:42:00 PM
 Certification #: 5DF3-4CZE-9AEC



Copyright: 1965

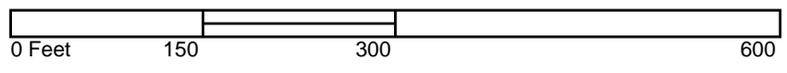


Subject Property

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Volume 1, Sheet 288
 Volume 1, Sheet 294
 Volume 1, Sheet 295

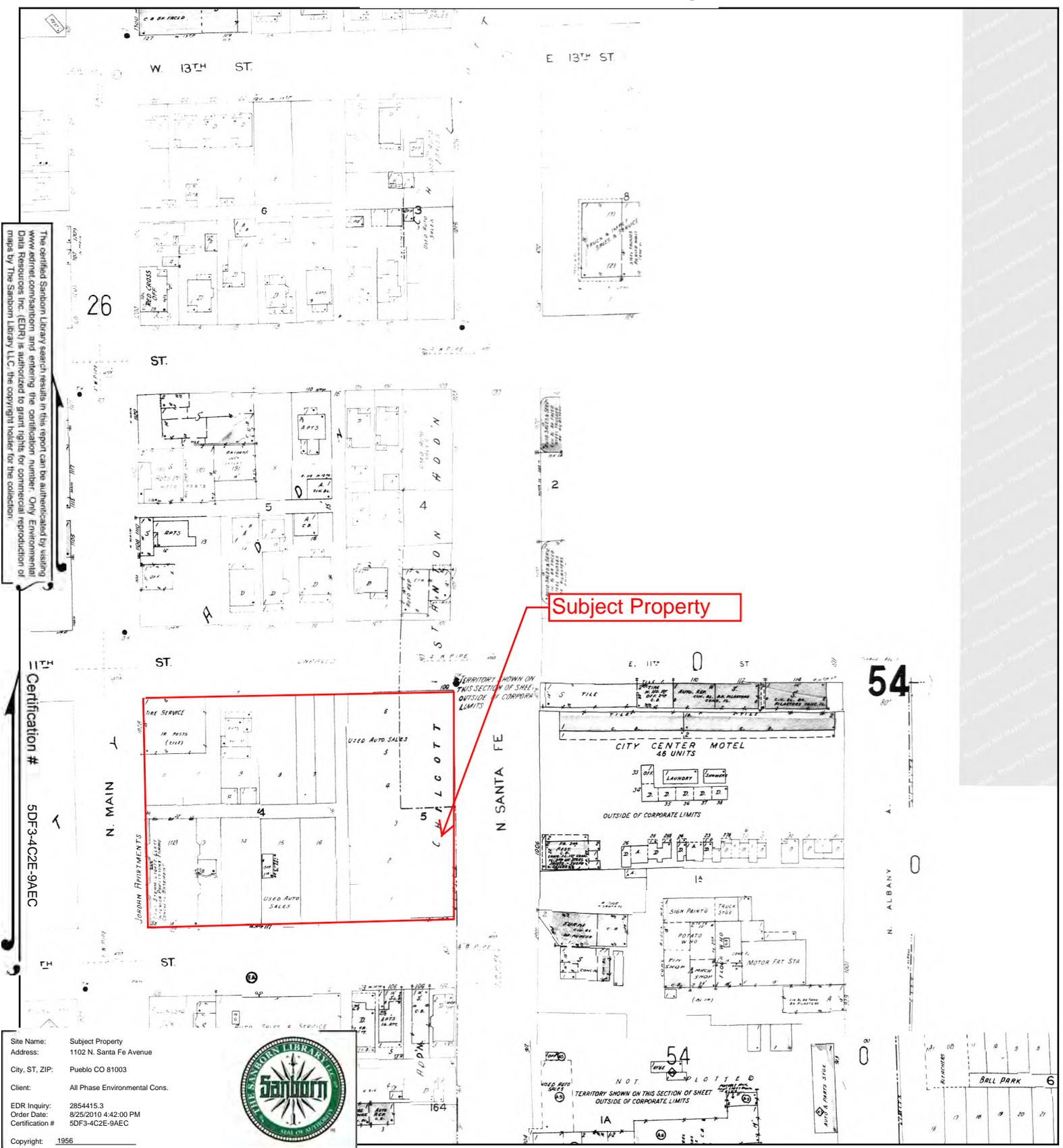


1956 Certified Sanborn Map

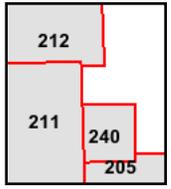
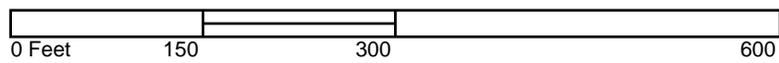
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Certification # 5DF3-4C2E-9AEC

Site Name: Subject Property
 Address: 1102 N. Santa Fe Avenue
 City, ST, ZIP: Pueblo CO 81003
 Client: All Phase Environmental Cons.
 EDR Inquiry: 2854415.3
 Order Date: 8/25/2010 4:42:00 PM
 Certification #: 5DF3-4C2E-9AEC
 Copyright: 1956



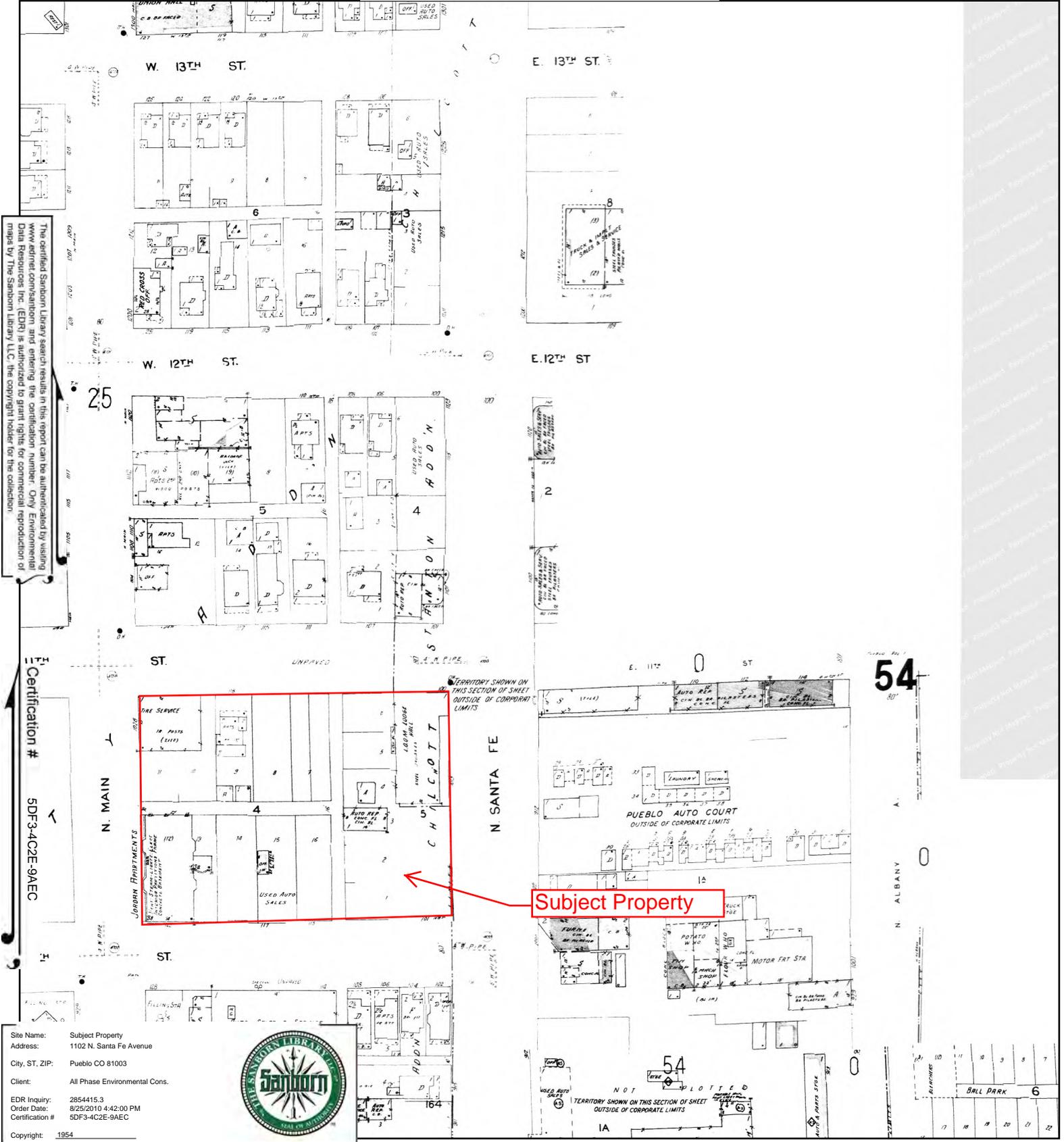
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- Volume 1, Sheet 205
- Volume 1, Sheet 211
- Volume 1, Sheet 212
- Volume 1, Sheet 240



1954 Certified Sanborn Map



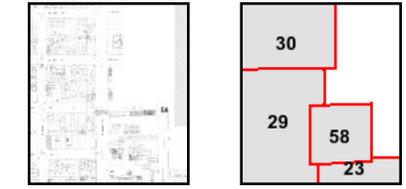
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Certification # **5DF3-4CZE-9AEC**

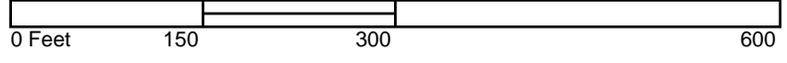
Site Name: Subject Property
 Address: 1102 N. Santa Fe Avenue
 City, ST, ZIP: Pueblo CO 81003
 Client: All Phase Environmental Cons.
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 Certification #: 5DF3-4CZE-9AEC



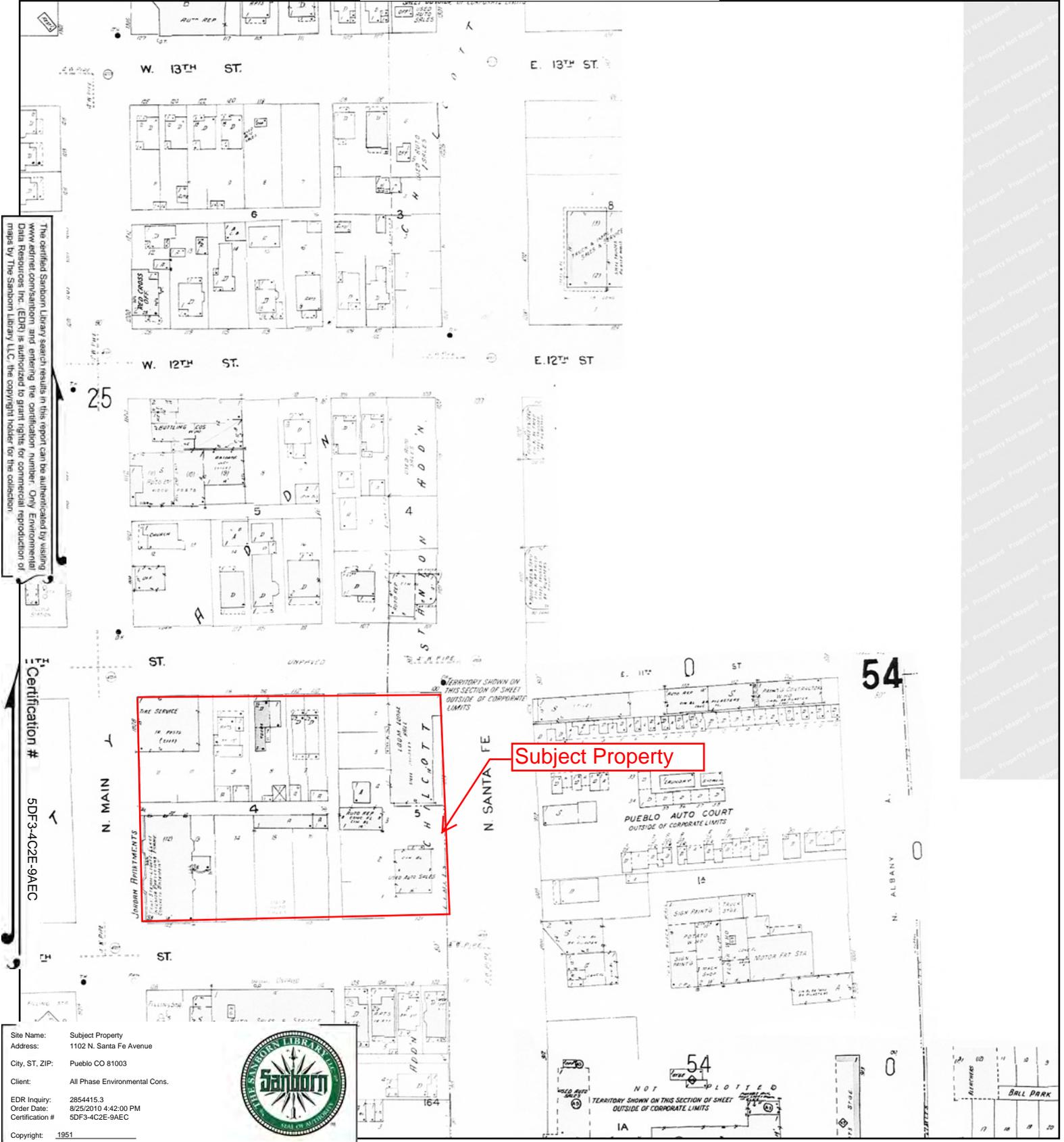
This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.



- Volume 1, Sheet 23
- Volume 1, Sheet 29
- Volume 1, Sheet 30
- Volume 1, Sheet 58



1951 Certified Sanborn Map



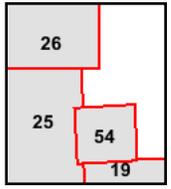
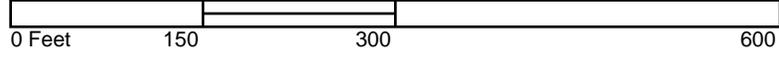
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Certification # SDF3-4C2E-9AEC

Site Name: Subject Property
 Address: 1102 N. Santa Fe Avenue
 City, ST, ZIP: Pueblo CO 81003
 Client: All Phase Environmental Cons.
 EDR Inquiry: 2854415.3
 Order Date: 8/25/2010 4:42:00 PM
 Certification #: SDF3-4C2E-9AEC
 Copyright: 1951



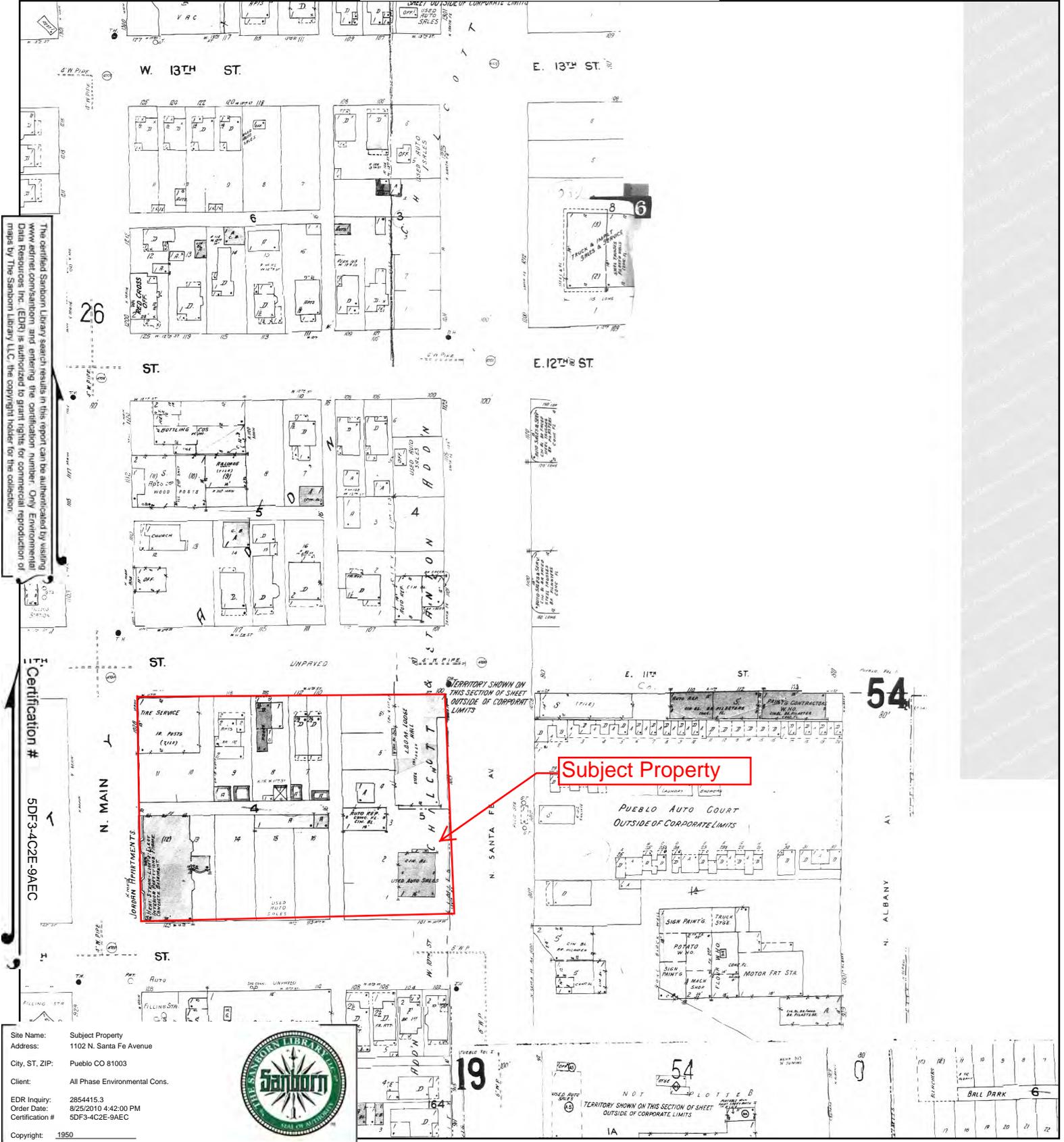
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- Volume 1, Sheet 19
- Volume 1, Sheet 25
- Volume 1, Sheet 26
- Volume 1, Sheet 54



1950 Certified Sanborn Map



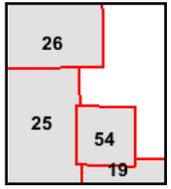
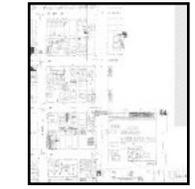
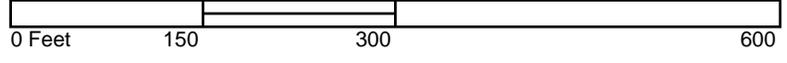
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Certification # SDF3-4C2E-9AEC

Site Name: Subject Property
 Address: 1102 N. Santa Fe Avenue
 City, ST, ZIP: Pueblo CO 81003
 Client: All Phase Environmental Cons.
 EDR Inquiry: 2854415.3
 Order Date: 8/25/2010 4:42:00 PM
 Certification #: SDF3-4C2E-9AEC



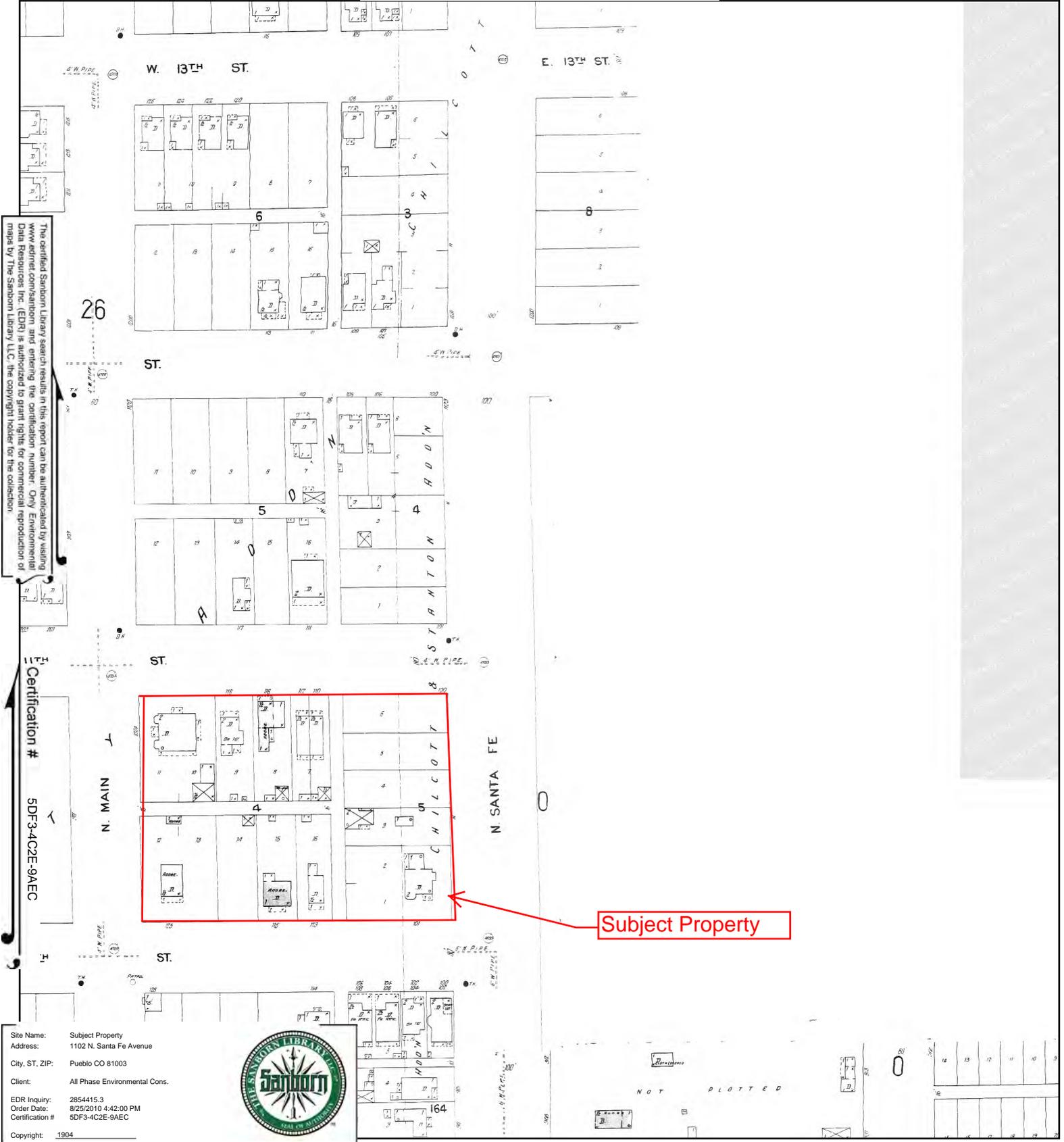
This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.



- Volume 1, Sheet 19
- Volume 1, Sheet 25
- Volume 1, Sheet 26
- Volume 1, Sheet 54



1904 Certified Sanborn Map



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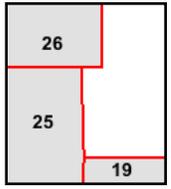
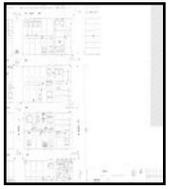
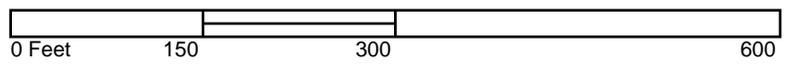
Certification # 5DF3-4CZE-9AEC

Site Name: Subject Property
 Address: 1102 N. Santa Fe Avenue
 City, ST, ZIP: Pueblo CO 81003
 Client: All Phase Environmental Cons.
 EDR Inquiry: 2854415.3
 Order Date: 8/25/2010 4:42:00 PM
 Certification # 5DF3-4CZE-9AEC
 Copyright: 1904



Subject Property

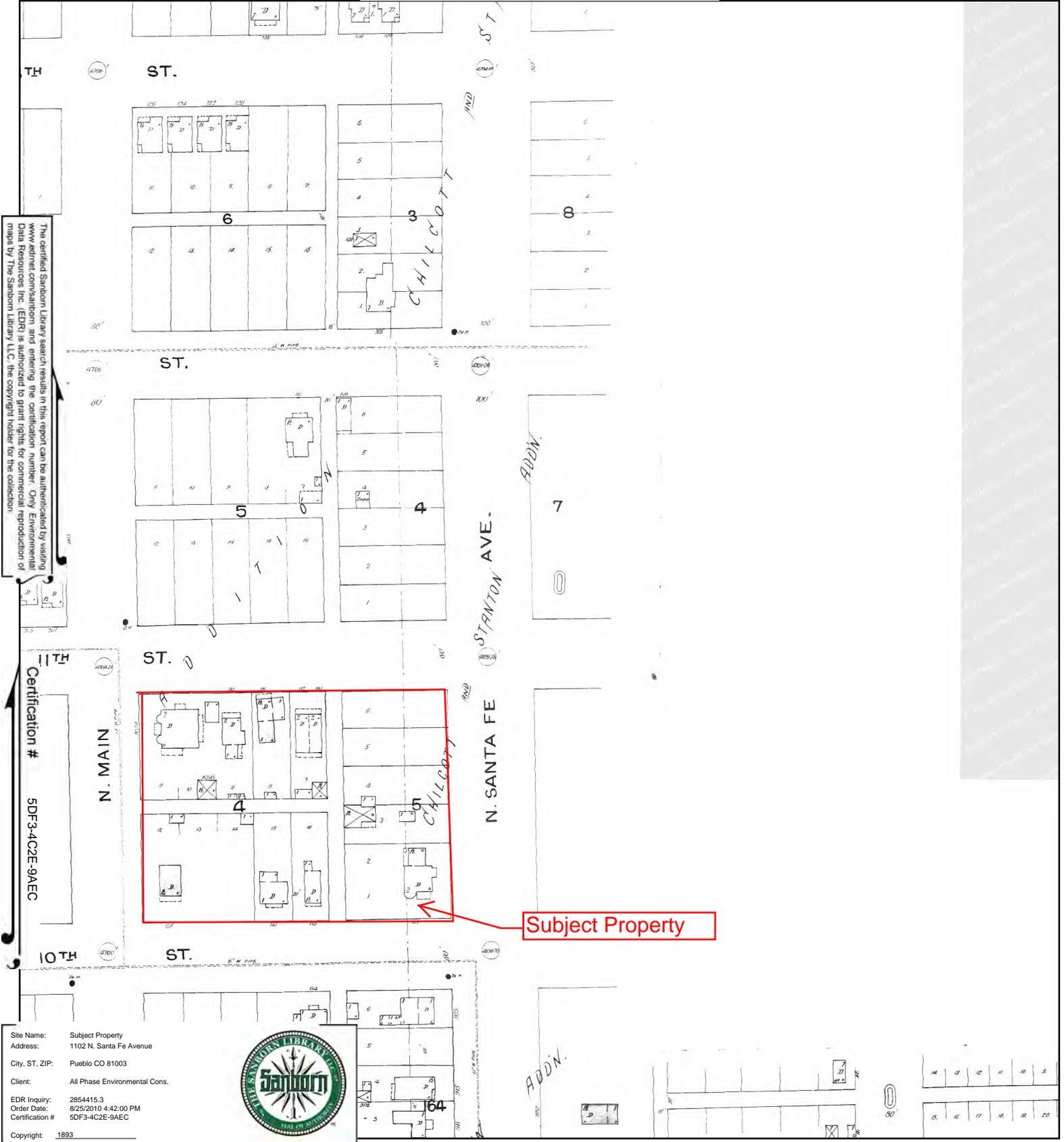
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Volume 1, Sheet 19
 Volume 1, Sheet 25
 Volume 1, Sheet 26



1893 Certified Sanborn Map



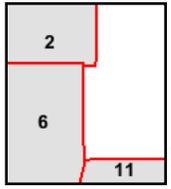
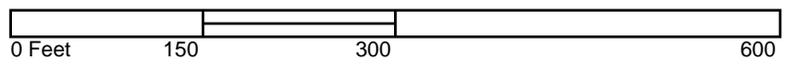
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Certification # SDF3-4C2E-9AEC

Site Name: Subject Property
 Address: 1102 N. Santa Fe Avenue
 City, ST, ZIP: Pueblo CO 81003
 Client: All Phase Environmental Cons.
 EDR Inquiry: 2854415.3
 Order Date: 8/25/2010 4:42:00 PM
 Certification # SDF3-4C2E-9AEC
 Copyright: 1893



This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.



Volume 1, Sheet 2
 Volume 1, Sheet 6
 Volume 1, Sheet 11



APPENDIX C

AGENCY CORRESPONDENCE

721 West 9th Street
Pueblo, CO. 81003
Phone: (719) 545-0375
Fax: (719) 542-2807

All-Phase
Environmental
Consultants, Inc.

RECORD OF COMMUNICATION

Date/Time: 6/22/2011
Method of Communication: Email
From: Brandice N. Eslinger, All-Phase Environmental Consultants
To: Mike Trujillo, Colorado Division of Wildlife
RE: NEPA EA

Request Information:

I am currently conducting a NEPA Environmental Assessment for two locations, one in Pueblo West , CO and one that is in downtown Pueblo. Both are alternatives that are being evaluated for the proposed new Pueblo County Emergency Services Center. I have attached a map and aerial showing the general site locations, as well as the addresses. I would like any information you have about the potential of this new building to impact endangered, threatened, or potentially threatened (candidate) species. I am concerned with the following species: Arkansas darter (*Etheostoma cragini*); black-footed ferret (*Mustela nigripes*); Canada Lynx (*Lynx Canadensis*); Greenback cutthroat trout (*Oncorhynchus clarki stomias*) and Mexican Spotted Owl (*Strix occidentalis lucida*). If there are other endangered/threatened species, such as the Bald Eagle, in Pueblo County that I have not listed here, I would like to include those as well. Additionally, if there is any kind of migratory path or other type of animal crossing through these tract sof land, I would also like info on these. Call me at 719-545-0375 or email me at allphase@aculink.net with any questions. Thank you, Brandice Eslinger, Environmental Consultant

721 West 9th Street
Pueblo, CO. 81003
Phone: (719) 545-0375
Fax: (719) 542-2807

All-Phase
Environmental
Consultants, Inc.

RECORD OF COMMUNICATION

Date/Time: 6/22/2011
Method of Communication: Email
From: Brandice N. Eslinger, All-Phase Environmental Consultants
To: Dan Brenzlow, Regional Manager for Colorado Division of Wildlife
RE: NEPA EA

Request Information:

I am currently conducting a NEPA Environmental Assessment for two locations, one in Pueblo West , CO and one that is in downtown Pueblo. Both are alternatives that are being evaluated for the proposed new Pueblo County Emergency Services Center. I have attached a map and aerial showing the general site locations, as well as the addresses. I would like any information you have about the potential of this new building to impact endangered, threatened, or potentially threatened (candidate) species. I am concerned with the following species: Arkansas darter (*Etheostoma cragini*); black-footed ferret (*Mustela nigripes*); Canada Lynx (*Lynx Canadensis*); Greenback cutthroat trout (*Oncorhynchus clarki stomias*) and Mexican Spotted Owl (*Strix occidentalis lucida*). If there are other endangered/threatened species, such as the Bald Eagle, in Pueblo County that I have not listed here, I would like to include those as well. Additionally, if there is any kind of migratory path or other type of animal crossing through these tract sof land, I would also like info on these. Call me at 719-545-0375 or email me at allphase@aculink.net with any questions. Thank you, Brandice Eslinger, Environmental Consultant

721 West 9th Street
Pueblo, CO. 81003
Phone: (719) 545-0375
Fax: (719) 542-2807

All-Phase
Environmental
Consultants, Inc.

RECORD OF COMMUNICATION

Date/Time: 6/22/2011
Method of Communication: Email
From: Brandice N. Eslinger, All-Phase Environmental Consultants
To: Van Truan, US Army Corp of Engineers
RE: NEPA EA

Request Information:

I am currently conducting a NEPA Environmental Assessment for two locations, one in Pueblo West , CO and one that is in downtown Pueblo. Both are alternatives that are being evaluated for the proposed new Pueblo County Emergency Services Center. I have attached a map showing the general site locations, as well as the parcel numbers. I would like any information you have about the potential of this new building to impact waterways and/or wetland areas as well as any potential issues with runoff.

Call me at 719-545-0375 or email me at allphase@aculink.net with any questions.

Thank you, Brandice Eslinger, Environmental Consultant

Jerry M. Pacheco
City Manager

Jenny M. Eickelman
Interim Deputy City Manager

Bella Trujillo
Acting Assistant City Manager



200 S. Main Street
Pueblo, CO 81003

Phone (719) 553-2655
Fax (719) 553-2698

Office of the City Manager

January 20, 2012

Mr. Kevin Houck
Senior Engineer
Colorado Water Conservation Board
Watershed and Flood Protection Section
1580 Logan St., Suite 200
Denver, CO 80203

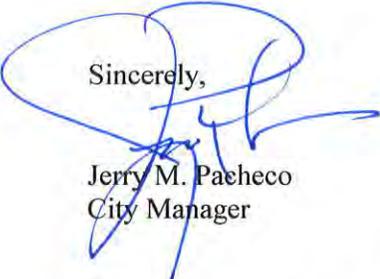
Re: Pueblo County Emergency Services Center Site at 10th and Santa Fe in Pueblo Colorado

Mr. Houck,

According to existing FEMA maps the aforementioned site is located in a 500-year floodplain. However, more recent flood data indicates that at least one corner is located outside of the floodplain. I have included a letter written by Chris J. Pauley who is with Anderson Consulting Engineers, Inc. (Attachment A). This letter states that only portions of the site are encompassed by the 500-year floodplain. As a result of the research and data collected by Anderson, I am requesting a letter of agreement from your agency that would concur with the floodplain information documented in Mr. Pauley's letter.

I thank you in advance for your consideration.

Sincerely,



Jerry M. Pacheco
City Manager

Cc: Mr. Earl Wilkinson, Director of Public Works
Mr. Mark Mears, Bureau Chief, Pueblo County Sheriff's Dept.
Ms. Brandice N. Eslinger, All-Phase Environmental Consultants

ATTACHMENT A



ANDERSON CONSULTING ENGINEERS, INC.
Civil • Water Resources • Environmental

December 22, 2011

Ms. Brandice N. Eslinger
All-Phase Environmental Consultants, Inc.
721 W. 9th Street
Pueblo, Colorado 81003

RE: EOC Site Assessment: 10th and Santa Fe Site Floodplain Information
[ACE Project No. COCWCB04]

Dear Brandice:

As you requested in your email dated December 21, 2011 (see attached) Anderson Consulting Engineers (ACE) is providing additional floodplain information for the potential Emergency Operations Center (EOC) Site in a letter format. Table 1 summarizes the 'without levee' preliminary Fountain Creek water surface elevations at the potential EOC site bounded by 10th Street on the south; Santa Fe Street on the east; 11th Street on the north; and Main Street on the west in downtown Pueblo, Colorado. It should be noted that the 'without levee' Fountain Creek 100-year floodplain does not reach the subject site and the 500-year floodplain encompasses only a portion of the subject site.

**Table 1. 10th Street & Santa Fe EOC Site in Pueblo, Colorado:
Fountain Creek PRELIMINARY Water Surface Elevations**

Flooding Source	'Without Levee' Water Surface Elevation (feet, NAVD88)	
	100-Year	500-Year
Northeast Corner at 11th Street and Santa Fe	N/A	4691.8
Northwest Corner at 11th Street and Main St.	N/A	N/A
Southeast Corner at 10th Street and Santa Fe	N/A	4691.4
Southwest Corner at 10th Street and Main St.	N/A	4690.4

Notes:

1. Water surfaces from 2-dimensional modeling by Anderson Consulting Engineers, Inc.
2. Water surfaces assume removal of entire embankment/levee down to natural ground. Only the flooding source's respective levee was removed. Concurrent failures/breaches of more than one embankment at a time were not performed.
3. Water surface elevations provided are preliminary and should be utilized for planning purposes only.
4. Water surface elevations provided have not been officially adopted for regulatory purposes.

It is our understanding that these water surface elevations will be utilized for planning purposes associated with Pueblo County's new Emergency Services Facility. It should be

10th&santafeprelim500fncwseis_20111222.doc

noted that these preliminary results have not been adopted for regulatory purposes and are subject to change. The preliminary hydraulic analyses were completed by ACE in support of the Pueblo County Digital Flood Insurance Rate Map (DFIRM) project while under contract to the Colorado Water Conservation Board (CWCB). The Pueblo County DFIRM is currently on hold while awaiting updated FEMA guidance for mapping floodplains behind levees. An official report and documentation for the Fountain Creek hydraulic analyses has not been produced. The completion date for the Pueblo County DFIRM is unknown by ACE at this time.

If you have any question regarding these preliminary findings please call Thuy Patton at CWCB or me.

Sincerely,
ANDERSON CONSULTING ENGINEERS, INC.



Chris J. Pauley, P.E., CFM
Senior Project Manager

cc: Ms. Thuy Patton, CWCB

attachments: A. Email request from December 21, 2011.

Chris Pauley

From: Brandice Eslinger [allphase@aculink.net]
Sent: Wednesday, December 21, 2011 10:08 AM
To: Chris Pauley
Subject: RE: EOC in Pueblo, CO - 10th & Santa Fe Site WSELs-RequestForMoreInfo
Categories: Saved

Chris,

What is the base elevation that was used to determine the 500-year flood plain? Also, Steven with FEMA was wondering if we could get this in a letter format? Do you have any available tables/charts?

Brandice N. Eslinger

President
All-Phase Environmental Consultants, Inc.
721 W. 9th Street
Pueblo, Colorado 81003
P: (719) 545-0375
M: (719) 240-4690
F: (719) 542-2807
allphase@aculink.net

From: Chris Pauley [<mailto:cjpauley@acewater.com>]
Sent: Tuesday, December 20, 2011 11:55 AM
To: Brandice Eslinger
Cc: Patton, Thuy; Daryl Wood; Brian Smith
Subject: RE: EOC in Pueblo, CO - 10th & Santa Fe Site WSELs

Brandice:

As you requested please find a table below summarizing the preliminary 500-year Fountain Creek water surface elevations at the intersection of 10th Street and Santa Fe Street in downtown Pueblo, Colorado. It is our understanding that these water surface elevations will be utilized for planning purposes associated with Pueblo County's new Emergency Services Facility. It should be noted that the 100-year 'without levee' water surface elevations do not reach the subject property and that all these preliminary results have not be adopted for regulatory purposes and are subject to change. If you have any question regarding these preliminary findings please call Thuy Patton at CWCB or me.

The 500-year Fountain Creek water surface elevations assuming the Fountain Creek Levee is removed:

Northeast Corner at 11th Street and Santa Fe = 4691.8
Northwest Corner at 11th Street and Main St - Dry/Outside Floodplain
Southeast Corner at 10th Street and Santa Fe = 4691.4
Southwest Corner at 10th Street and Main St = 4690.4

Chris Pauley, P.E., CFM
Senior Project Manager
ANDERSON CONSULTING ENGINEERS, INC.
375 Horsetooth Road, Bldg. 5

Fort Collins, CO 80525

O:970-226-0120 x212

cjpauley@acewater.com

From: Brandice Eslinger [<mailto:allphase@aculink.net>]

Sent: Wednesday, December 07, 2011 2:00 PM

To: Chris Pauley

Subject: RE: EOC in Pueblo, CO

Chris,

I appreciate your time today. Here is a FEMA map (from their webpage) and a figure from the Pueblo County Assessor to show you where the "locally preferred alternative" is.....I appreciate all you could do to aide me in getting the best available data for this location.

Thanks!

Brandice N. Eslinger

President

All-Phase Environmental Consultants, Inc.

721 W. 9th Street

Pueblo, Colorado 81003

P: (719) 545-0375

M: (719) 240-4690

F: (719) 542-2807

allphase@aculink.net

STATE OF COLORADO

Colorado Water Conservation Board Department of Natural Resources

1313 Sherman Street, Room 721
Denver, Colorado 80203
Phone: (303) 866-3441
FAX: (303) 866-4474
www.cwcb.state.co.us



February 7, 2012

Mr. Jerry Pacheco, City Manager
City of Pueblo
200 South Main Street
Pueblo, CO 81003

John W. Hickenlooper
Governor

Mike King
Executive Director

Jennifer L. Gimbel
CWCB Director

Dear Mr. Pacheco:

Thank you for your letter dated January 20, 2012, requesting an opinion from staff of the Colorado Water Conservation Board regarding better available floodplain information in support of an environmental assessment being conducted. I have investigated the information provided in your letter and spoken with the author of the referenced study.

Based on my investigation, I concur that the information provided by Anderson Consulting Engineers has enough technical merit to supersede the current effective information on the most recent Flood Insurance Rate Maps. According to this information, the northwest corner of the proposed parcel, located at 11th Street and Main Street, is dry and outside of the 500-year floodplain. The other three corners of the parcel have 500-year water surface elevations as presented in the referenced study. This information is not currently effective and could be subject to change, but based on my conversations with Anderson Consulting Engineers, it likely represents the best technical information that is currently available.

According to regulations associated with both the National Flood Insurance Program and state floodplain rules, floodplain management decisions should be made according to the best technically defensible information available to the local floodplain manager, even if it differs from currently effective floodplain maps. Both FEMA and the state rely on the local jurisdiction to have the final say as to whether a particular study or reference can be considered better available information.

As with all floodplain management decisions in this state, the formal conclusion regarding the technical adequacy of reference information must be made at the local level and cannot be made by the State. However, your letter requested our technical opinion regarding the information provided by Anderson Consulting Engineers. After our review, we agree with the technical merits of this information and are supportive of this information being used as better available information for the purposes of this environmental assessment, should the City of Pueblo decide to proceed in this direction.

Thank you for the opportunity to provide comments. If you have any questions, feel free to call me at 303-866-3441, x3219.

Sincerely,

Kevin Houck, P.E., CFM
Chief, Watershed and Flood Protection Section



PUEBLO

Stormwater Utility Department

Mr. Kirk Taylor
909 Court Street
Pueblo, Co. 81003

2/8/12

Re: Floodplain Designation – Pueblo County EOC -10th and Santa Fe

Dear Sheriff Taylor:

I have reviewed the information provided to me from Anderson Consulting Engineers (ACE) in December of 2011 regarding the revised 100-yr and 500-yr floodplain delineation for the proposed Pueblo County Emergency Operation Center at the above referenced site.

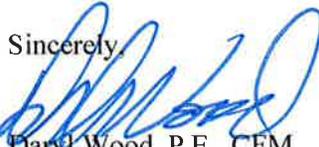
The information provided by ACE indicates that the proposed 100-year (without levee) water surface elevations do not reach the subject property. Additionally, the northwest corner of the site, at 11th and Main is dry and outside the proposed 500-year (without levee) floodplain delineation. The northeast, southeast, and southwest corners of the site lie within the proposed 500-year (without levee) floodplain delineation with proposed elevations of 4691.8, 4691.4, and 4690.4, respectively.

The staff of the Colorado Water Conservation Board (CWCB) has also reviewed the aforementioned proposed floodplain delineation for the EOC site and has stated that the study has enough technical merit to supersede the current effective floodplain information on the most recent Flood Insurance Rate Map, but has deferred the formal ruling on the matter to the local floodplain manager.

I, as the local floodplain manager, concur with the information provided by Anderson Consulting Engineers and the staff of the CWCB regarding the delineation of the 100-yr and the 500-yr floodplain as it relates to the proposed Pueblo County Emergency Operation Center at 10th and Santa Fe. The 100 –yr *or* 500-yr floodplain should not impact the construction of this facility.

If you have any questions, you can contact me at (719) 553-2277.

Sincerely,



Daryl Wood, P.E., CFM
Stormwater Coordinator
City of Pueblo
211 E. "D" St.
Pueblo, CO. 81003

Pc: Jerry Pacheco, City Manager
Mark Mears, Chief of ESB
Earl Wilkinson, Director of Public Works (City)
Brandice Eslinger – Engineering Consultant
file

APPENDIX D

RMC – CULTURAL RESOURCES STUDY



August 12, 2011

Ms. Brandice Eslinger
All-Phase Environmental Consultants, Inc.
721 W. 9th Street
Pueblo, CO 81003

RE: Cultural Resources File Search and Assessment, 10th Street and Santa Fe, Pueblo, and 829 E. Industrial Blvd., Pueblo West, Colorado.

As per your request, RMC Consultants, Inc. conducted a cultural resource file search and reconnaissance-level assessment of two properties located in Pueblo and Pueblo West, Colorado. This file search and assessment was conducted by RMC Project Archaeologist David Killam under the supervision of Marilyn Martorano, Principal Investigator. RMC currently holds a State of Colorado Archaeological Permit (#2011-40; valid through February 2012) to conduct archaeological survey and testing statewide.

Background

Two separate properties were examined for this investigation. The property in downtown Pueblo consists of the entire block between 10th and 11th Streets and Main Street and Santa Fe Avenue (Figure 1). The other property is a vacant industrial lot located in Pueblo West (Figure 2). The block in downtown Pueblo contains two buildings, one at 1001 N. Santa Fe and one at 1028 N. Main; the remainder of the block is paved parking lot. Both properties in the Santa Fe block are currently owned by Pueblo County, while the industrial lot in Pueblo West is privately owned.

Results

Santa Fe Avenue Block

A search of the History Colorado (Colorado Historical Society) cultural resources online COMPASS database was conducted for the Santa Fe block. The file search revealed that the property at 1028 N. Main had been previously recorded in 1999 as site 5PE2250. However, the previous recording mistakenly lists the construction date as 1939, while the County Tax Assessor's records indicate it was constructed in 1958. The original recording evaluated the building as Not Eligible for listing in the National Register of Historic Places (NRHP) but no official determination has yet been made. No other resources were listed in the project block. There are several historic properties in the vicinity of the block, the most prominent being the Pueblo County Courthouse across Main Street from the project area; the Courthouse is listed in the NRHP. The First Presbyterian Church, located one block west on 10th Street, is listed in the State Register, and the YWCA, located at 801 N. Santa Fe, is listed in the NRHP.

A reconnaissance-level site visit was conducted on August 4 and 5, 2011, to evaluate the potential for significance of either of the buildings. Photographs were taken of all elevations of both structures, and basic architectural descriptions prepared.

The building at 1001 N. Santa Fe is a modern one story commercial/retail structure constructed in 1990 of wood frame construction with stucco siding, and a flat roof with overhanging roof projection (Figure 3). The east façade contains a double entry and large picture windows that continue around on the northern and southern façades (Figure 4). A large blue awning extends across the entire eastern façade. The building has a rectangular (N-S) footprint, and is set back from Santa Fe Avenue by approximately 140 feet of paved parking lot that includes large modern light poles (Figure 1). A large ramp and vehicle door are located in the north façade (Figure 5). The design, appearance and layout of the building and site indicate it was constructed as a retail automobile sales facility (Figure 6). The building appears to be in excellent condition, well maintained, but architecturally not distinctive or unique in any way. A sign in the front window indicates the building is currently used as the “Pueblo County Conference Room”. The interior was not accessed for this investigation.

The building at 1028 N. Main Street is also a one story commercial/retail structure, constructed in 1958 of masonry (brick) with stucco siding. It has a flat roof with parapet wall rising in steps from the back (east) façade to the front (west) façade (Figure 7). A recessed arched entry and arched windows in the west façade, facing Main Street, indicate the primary public entrance (Figure 8). Vertical wooden posts extend from the ground level to the roof on all facades and from the base of each of the arched windows to ground level. One small section of missing post at the upper northwest corner would seem to indicate the posts may be strictly decorative and not structural, as the missing section reveals the brick corner beneath the stucco (Figure 9). It also appears that the underlying brick of the front (west) façade may have been painted white at one time, and the stucco may have been applied at a later date. A metal awning, also possibly added later, extends along the entire west façade above the windows, and a doorway in the north façade provides the only additional entry. Two small square windows occur in the back (east) façade. The building has a nearly square footprint, and sits flush against the sidewalk on the Main Street and 11th Street (west and north) sides (Figure 10). A shipping container currently occupies the parkway between the sidewalk and street on the north side, and a sign in the front window indicates the building is currently used as an “Election Warehouse”. The original use of the building is not documented in the assessor’s records, but previous uses include a health food store, and the original site recording named the resource “11th Street Grocery-Pueblo Health Foods”. The building appears to be in reasonably good condition and is also surrounded by asphalt paved parking lots. Despite some minor design details such as the arched windows and vertical beams, the building is not architecturally distinctive or unique, and may have been altered/remodeled/updated from the original construction. The interior was not accessed for this investigation.

The character of the surrounding neighborhood in the vicinity of the Santa Fe block could be categorized as very mixed, with numerous very modern, multi-story commercial/office/municipal buildings along with several prominent historic structures as mentioned above. Other properties include auto dealers, motels, small commercial and retail buildings/businesses, restaurants, single family residences, and several churches (some modern, some historic). Most of the remaining residential buildings are of historic age, but appear modest and not architecturally distinctive. Given the range of building ages, types, and uses, and the extent of modern intrusions, the potential for a historic district in this vicinity should be

considered very low. Additional individual historic properties could be significant and eligible for either the State or National Register.

Pueblo West vacant lot

A search of the History Colorado (Colorado Historical Society) cultural resources online COMPASS database was conducted for the Pueblo West property. The vacant industrial lot, 829 E. Industrial Blvd, is located in Section 6, Township 20 South, Range 65 West. The file search included Section 6 as well as adjacent sections 5, 7, and 8. A total of three previously recorded resources are located in the vicinity, all are in Section 5; all three are isolated finds (one historic, two prehistoric). Only three surveys have been conducted that include these sections. One extensive linear survey, titled “Southern Delivery System Geotechnical Corridor” was completed in 2005. All of the isolated finds were recorded for this project. Prior to that, Dr. William Buckles from the University of Southern Colorado completed a study in 1982 entitled “Pueblo West 201 Facilities Planning Project”. The extent of intensive pedestrian inventory conducted by Dr. Buckles, if any, was not indicated on the COMPASS record, but since no resources were recorded by this investigation, it may have been more of a Class I/planning/predictive model level of investigation. One other survey was conducted by the Colorado Department of Transportation in 2007 entitled “An Intensive Cultural Resources Inventory of the US Highway/Purcell Boulevard Intersection at Pueblo West”. The investigation only included portions of Sections 7 and 8, and the extent of intensive pedestrian inventory was not indicated on the COMPASS record, but no resources were recorded by this investigation. As per the Scope of Work for the current investigation, no site visit was conducted for this property.

Recommendations

No known resources recommended or determined Eligible, or listed in the National or State registers exist within either of the project properties. Should either property be selected for building construction or other ground disturbing activities, several additional levels of investigation are recommended to avoid or mitigate adverse effects to potentially significant cultural resources.

For the Santa Fe block, examination of City and County records as well as other resources such as Sanborn Insurance maps should be consulted to determine what historic properties existed in the block in the historic periods, and the extent of modern disturbances that have occurred. It is possible that intact historic buildings/structural remains may be present beneath the paved parking lots, depending upon the extent of previous modern disturbances that have occurred prior to the construction of both buildings. Should the records indicate potential for intact remains, additional investigations should be considered, such as Ground Penetrating Radar (GPR) to identify the nature and location of potential features. Positive results from a GPR investigation could provide the basis for archaeological testing, excavation, or other data recovery. Two recent projects conducted by RMC Consultants, (testing and excavation at the El Pueblo Museum in Pueblo, and testing and excavation at the new History Colorado Museum in downtown Denver) confirm that intact historic features and structures can occur even in previously disturbed urban settings.

Based on the reconnaissance level examination conducted for this investigation, there does not appear to be any reason to reconsider the original NRHP evaluation (Not Eligible) for the 1028 Main Street building. The 1001 Santa Fe Avenue building does not meet the criteria for a historic property.

Should the Pueblo West property be selected for construction or other ground disturbance, the property should be surveyed by a professional archaeologist. Given the results of previous surveys in the vicinity and the distance of the property from a reliable natural water source, it is unlikely that the property contains significant, intact archaeological resources.

All further investigations should be undertaken in consultation with the Colorado State Historic Preservation Office (SHPO) to determine the appropriate level of effort for the selected actions.

We appreciate the opportunity to conduct this project for All-Phase Environmental Consultants. If you have any questions about this report, please feel free to contact me or David Killam at 303-980-4101 or at mmartorano@rmc-consultants.com; or dkillam@rmc-consultants.com

Sincerely,
RMC CONSULTANTS, INC.

A handwritten signature in blue ink that reads "Marilyn A. Martorano". The signature is written in a cursive, flowing style.

Marilyn Martorano
Principal Investigator/Division Manager, Cultural Resources Division

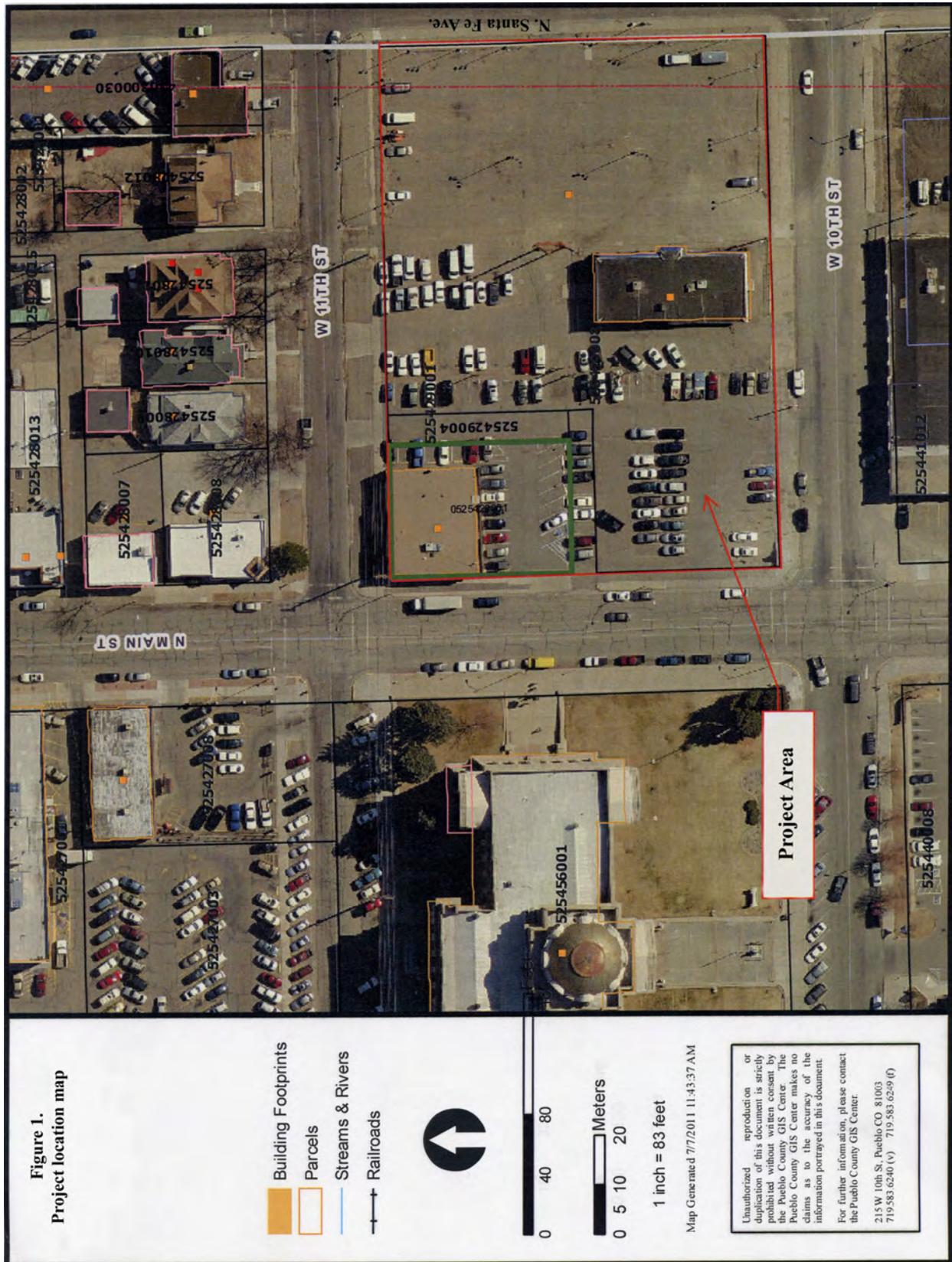


Figure 1. Project location map.

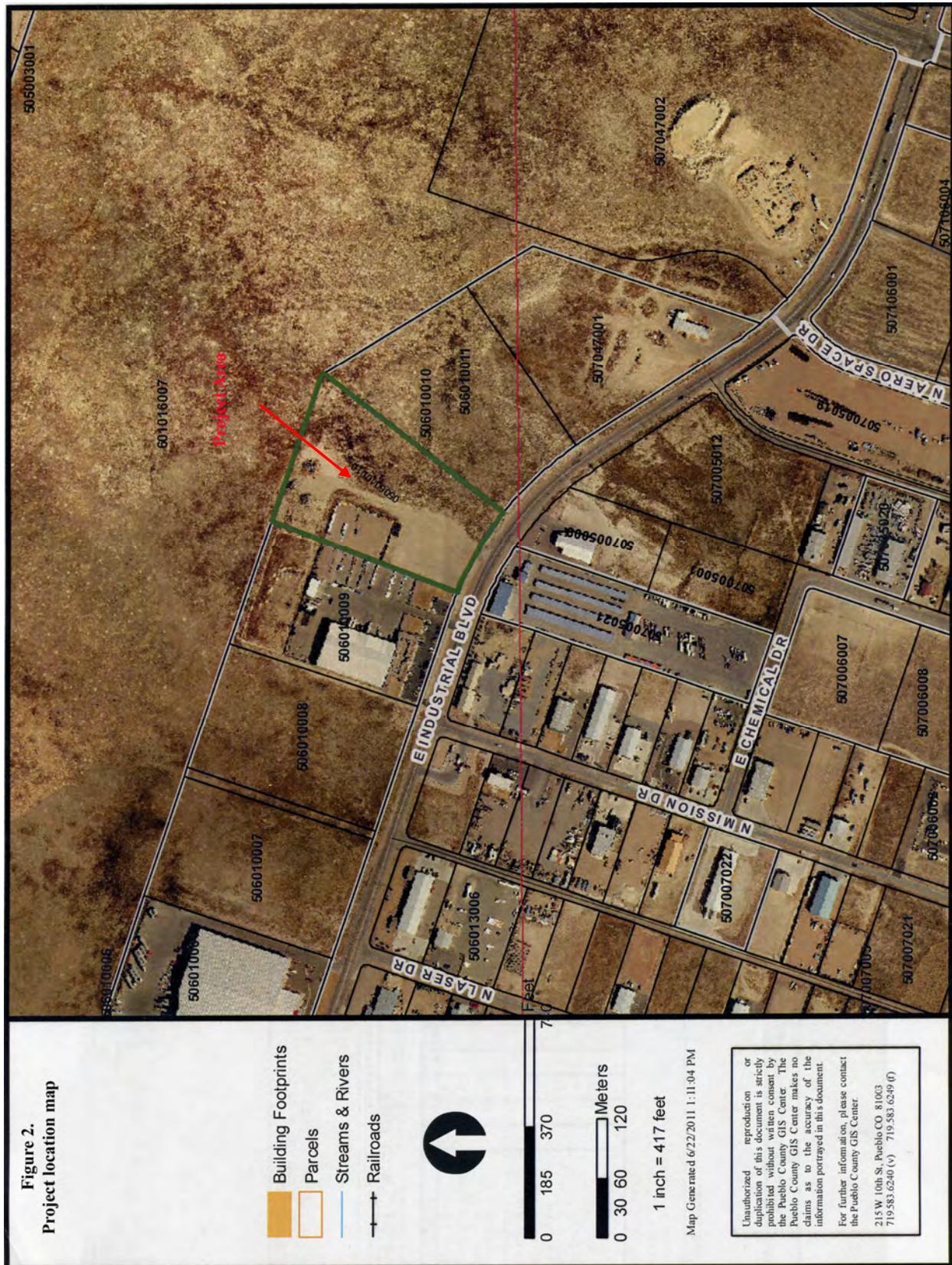


Figure 2. Project location map.



Figure 3. View of 1001 Santa Fe Avenue, east façade.



Figure 4. View of 1001 Santa Fe Avenue, east and north facades.

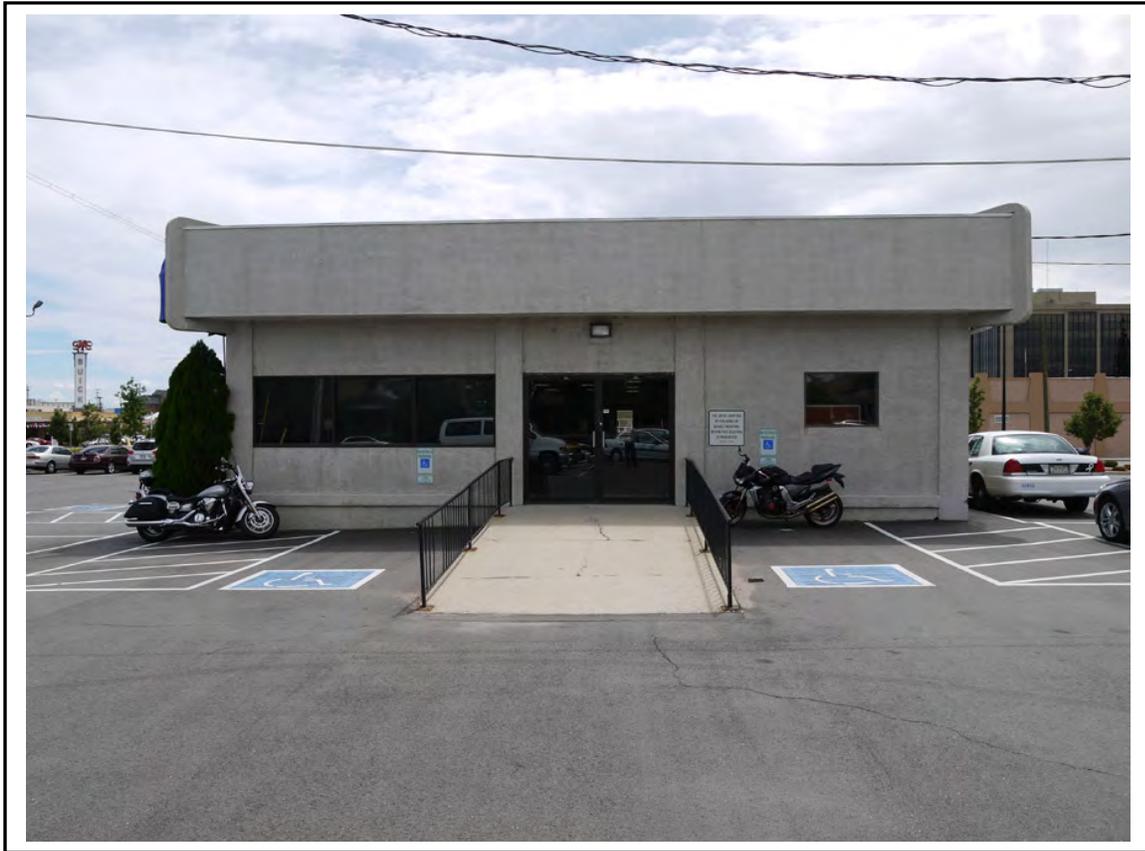


Figure 5. View of 1001 Santa Fe Avenue, north façade, showing vehicle ramp and entry door.



Figure 6. View of 1001 Santa Fe Avenue, from the southwest corner of 10th Street and Santa Fe, showing setback, parking lot and light poles

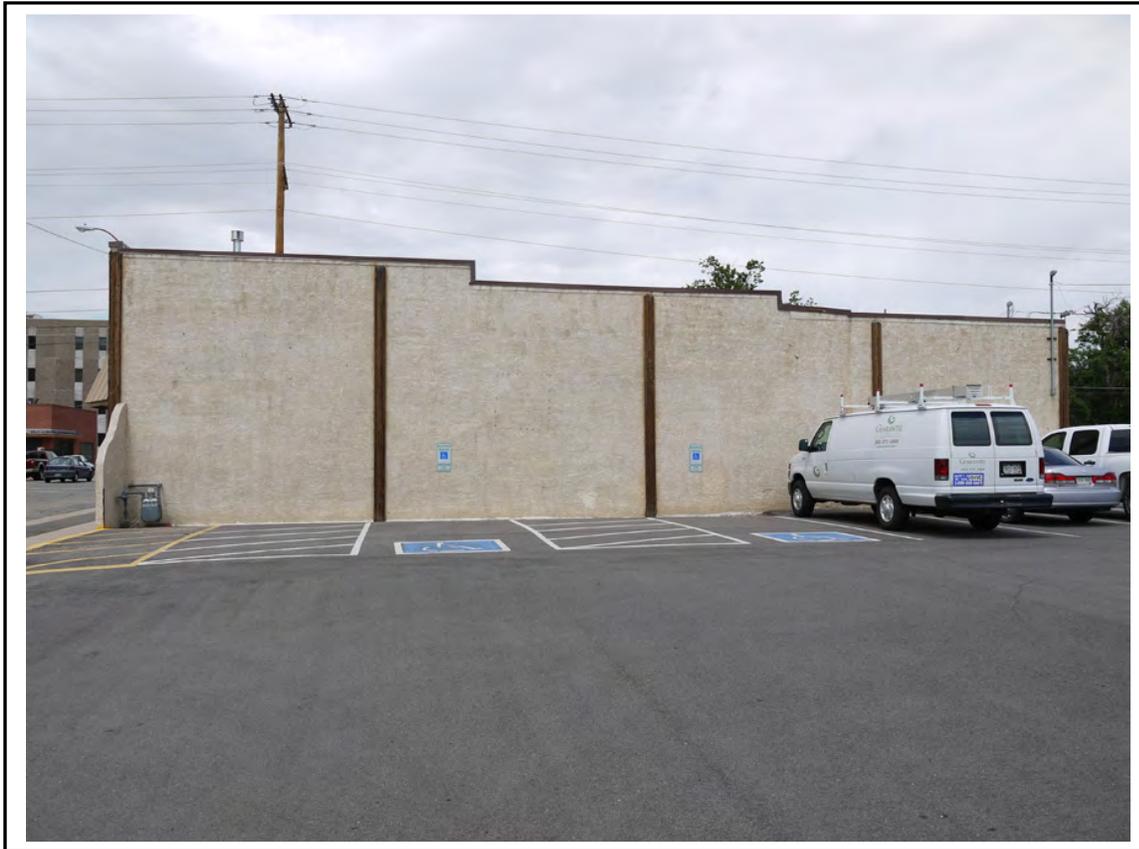


Figure 7. View of 1028 Main Street, south façade, showing stepped parapet wall at roof line.



Figure 8. View of 1028 Main Street, west façade, showing arched windows, posts, and metal awning.

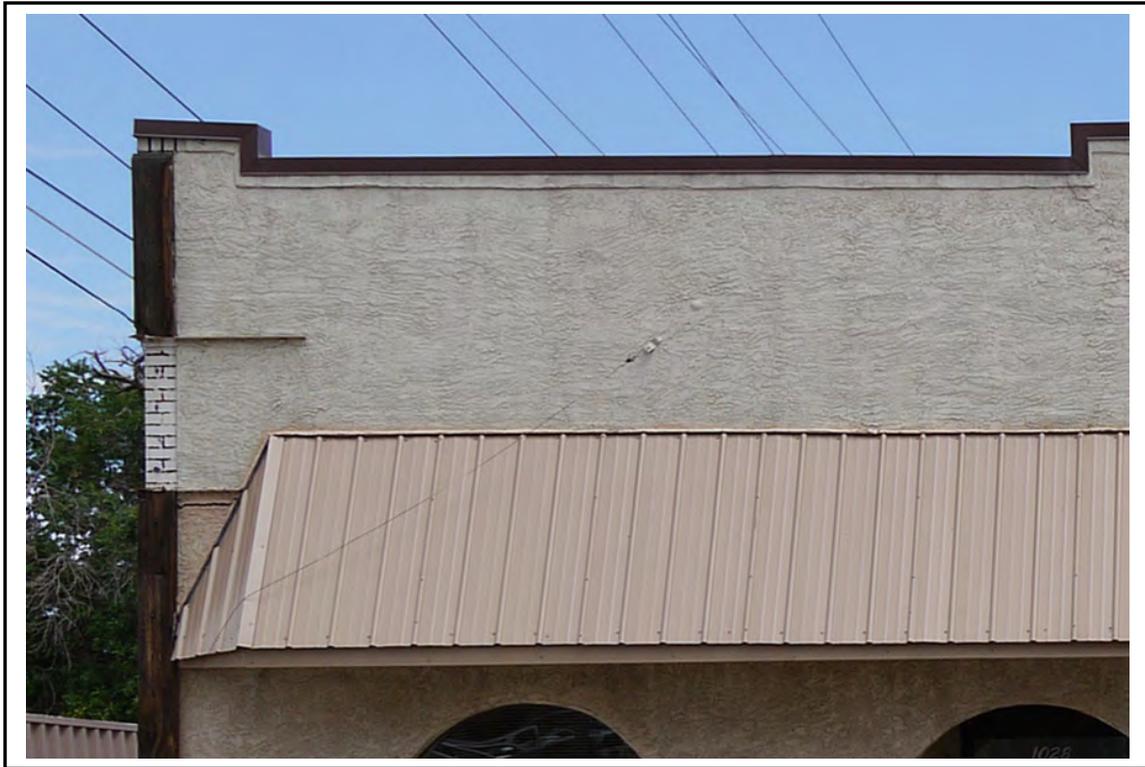


Figure 9. Detail view of missing post section, northwest corner, 1028 Main Street.



Figure 10. View of 1028 Main Street, north and west facades.

APPENDIX E

TRAFFIC ANALYSIS – DREXEL, BARRELL & CO.

.....("WU72'Y giw'RGN'Uwf {



Drexel, Barrell & Co.

Engineers ■ Surveyors

MEMORANDUM

TO: ALL-PHASE ENVIRONMENTAL CONSULTANTS, INC.
721 W. 9th Street
Pueblo, Colorado 81003
(719) 545-0375
ATTN. Brandice N. Eslinger

FROM: Ann Bowers, P.E., PTOE

DATE: August 18, 2011

RE: City of Pueblo – Emergency Operations Center - Traffic Analysis

Project Background

The City of Pueblo is proposing construction of a new Emergency Operations Center (EOC). Two alternative locations have been identified. Alternative 1 would construct the new EOC at 1001 N. Santa Fe Avenue. The site would encompass the entire block and is bordered by W. Main Street on the west, N. Santa Fe Avenue on the east, W. 11th Street on the north, and W. 10th Street on the south.

Alternative 2 would locate the EOC at 829 E. Industrial Boulevard in Pueblo West – on the north side of the roadway. Access would be via E. Industrial Boulevard. This Traffic memorandum addresses the potential impacts for the two alternative locations.

Trip Generation of Emergency Operations Center

The trip generation for the EOC was calculated by using the ITE Trip Generation 8th Edition. The ITE Land Use that best resembles the proposed EOC is ITE Land Use # 715 – Single Tenant Office Building. The ITE Land Use #730 – Government Office Building - was not used because of the small sample size. Because the square footage of the building is not known at this time, but the maximum number of employees is known; the number of employees was utilized as the trip generation factor.

The EOC is proposed to have a maximum of 21 employees during the day. Regular hours for these daytime employees are from 7:00am to 4:30pm. The 21 employee count also includes the communications center staff. The trip generation summary is shown below: As shown in the table, the site is expected to generate approximately 11 trips in the AM Peak Hour and approximately 11 trips in the PM Peak Hour.

**Table 1 - Estimated Project-Generated Traffic for
Pueblo Emergency Operations Center**

ITE Code / Land Use	Size	Trip Generation Rates			Trips Generated										
					Average Weekday Trips	AM Peak-Hour			PM Peak-Hour						
		AM PEAK	PM PEAK	Avg. Weekday		% Trips	Trips	% Trips	Trips	Total	% Trips	Trips	% Trips	Trips	Total
#715 - Single Tenant Office Building	21 EMP	0.53	0.5	3.62	76	89%	10	11%	1	11	15%	2	85%	9	11

¹Source: "Trip Generation" Institute of Transportation Engineers, 8th Edition, 2008
EMP = # of Employees

ALTERNATIVE ONE – 1001 N. SANTA FE AVENUE

Existing Roadways

N. Main Street is a one-way, northbound, three lane roadway. N. Santa Fe Avenue is a north-south, 5-lane roadway. W. 11th Street and W. 10th Street are two-lane, east-west roadways with STOP conditions at the intersections with Main and Santa Fe. The City would like access to the site to utilize the existing access to 10th Street or remove this access. Access to Main Street and 11th Street is acceptable as long as there is only one access per block face. No access to Santa Fe will be allowed.

Existing Traffic Volumes

The City of Pueblo has 2009, 24-hour traffic volumes for Santa Fe Avenue and Main Street in the vicinity of the proposed site. Santa Fe Avenue's daily traffic volume north of 8th Street is 13,535 vehicles. Daily traffic on Main Street is 2,385 vehicles (north of 8th Street) and 2,230 vehicles (south of 12th Street).

Recommended Parking

The ITE Parking Generation Manual was reviewed to determine the Average Peak Period Parking Demand for both a General Office Building and a Government Office Building. The 85th percentile demand for parking at an urban office building ranges from 0.98 to 1.01 stalls per employee. With 21 employees on an average weekday, this site would need approximately 21 parking stalls.

The City of Pueblo would like the parking on-site to be maximized. In addition, angle parking on 11th Street (similar to 10th Street) will also be required. On-street parking will also be allowed on Main Street and Santa Fe.

Traffic Impacts of Emergency Operation Center

It is not anticipated that the new EOC would negatively impact the average daily traffic volume on the surrounding roadways. The average weekday volume is only 76 vehicles with peak hours only adding 11 vehicles. Short-term impacts may be realized during construction of the EOC due to construction traffic. On days when training/briefing occurs, the facility can hold 100 people. On those days, the volume of traffic to and from the site will be higher. However, these training sessions do not occur on a daily basis. A minor increase in vehicle trips can be expected on the surrounding roadway network.

ALTERNATIVE TWO – 829 E. INDUSTRIAL BOULEVARD – PUEBLO WEST

Existing Roadways

In this vicinity, E. Industrial Boulevard is a two-lane east-west roadway. The location of the access has not been determined but would most likely be via a new access to Industrial Boulevard.

Existing Traffic Volumes

The City of Pueblo collected 24-hour traffic volumes on Industrial Boulevard in March, 2011. The Average Annual Daily Traffic volume on Industrial Boulevard equaled 3,956 vehicles. The AM Peak Hour (7am to 8am) volume was 229 vehicles. The PM Peak Hour (5pm to 6pm) was 351 vehicles.

Recommended Parking

The ITE Parking Generation Manual was reviewed to determine the Average Peak Period Parking Demand for both a General Office Building and a Government Office Building. The 85th percentile demand for parking at an urban office building ranges from 0.98 to 1.01 stalls per employee. With 21 employees on an average weekday, this site would need approximately 21 parking stalls.

For this site, additional on-site parking may be required to accommodate the training sessions. Unlike the downtown area where on-street parking is available, this site does not have on-street parking.

Traffic Impacts of Emergency Operation Center

It is not anticipated that the new EOC would negatively impact the average daily traffic volume on the surrounding roadways. The average weekday volume is only 76 vehicles with peak hours only adding 11 vehicles. The new traffic on Industrial Boulevard with the development of the EOC at this location would equate to less than 2% of the daily traffic, less than 5% during the AM Peak Hour, and approximately 3% during the PM Peak Hour.

Short-term impacts may be realized during construction of the EOC due to construction traffic. On days when training/briefing occurs, the facility can hold 100 people. On those days, the volume of traffic to and from the site will be higher. However, these training sessions do not occur on a daily basis. A minor increase in vehicle trips can be expected on the surrounding roadway network.

Conclusion

The additional traffic volume associated with the construction of a new Emergency Operations Center at either Alternative One in the downtown area or Alternative Two in Pueblo West is anticipated to be minimal and can be accommodated by the surrounding roadway system.

The parking requirements should be reviewed and determined by the City of Pueblo. On a daily basis, the EOC will only require 21 parking stalls. However, during the training sessions where 100 people could be in attendance, additional parking may be required – particularly at the Alternative Two site as there is not any on-street parking.

Please feel free to call me if you have any questions.

Sincerely,
Drexel, Barrell & Co.

A handwritten signature in black ink, appearing to read 'Ann Bowers', written in a cursive style.

Ann Bowers, P.E., PTOE
Transportation Department Head

1 Executive Summary

2 **1. What is a Planning and Environmental Linkages (PEL) study?**

3 A Planning and Environmental Linkages (PEL) Study provides an opportunity to consider
4 environmental and community issues early in the planning process before formal environmental
5 clearance begins. Data collected and analyzed for the PEL Study can be used in future
6 environmental studies as funding for specific improvements becomes available. **Appendix A**
7 contains responses to the questionnaire the Federal Highway Administration (FHWA) developed for
8 PEL studies.

9 **2. Why is CDOT preparing this PEL Study for US 50 in Pueblo?**

10 Colorado Department of Transportation (CDOT) Region 2 is conducting this PEL Study because
11 the section of US 50 from Swallows Rd. to Baltimore Ave. currently experiences peak-hour
12 congestion and above average crash rates, particularly in the eastern end of the Corridor. Both
13 conditions are expected to worsen in the future.

14 **3. What are the study limits and existing transportation facilities** 15 **within the US 50 Corridor?**

16 The section of US 50 being studied extends about 11.8 miles from Swallows Rd. west of the Pueblo
17 West Metropolitan District (at milepost 301.72) to Baltimore Ave. within the City of Pueblo (at
18 milepost 313.52). **Figure 1** presents a map highlighting the study corridor and showing surrounding
19 roads.

20 US 50 west of Pueblo between the intersections of Swallows Rd. and Baltimore Ave. is a four-lane
21 divided east-west highway (two 12-foot lanes in each direction) with signalized intersections at Main
22 McCulloch Blvd., Purcell Blvd., Pueblo Blvd. (State Highway 45), Wills Blvd. and Baltimore Ave.
23 The intersections with Swallows Rd. and West McCulloch Blvd. are unsignalized. There are also
24 right-in, right-out accesses at Westroads Ave. (between Wills Blvd. and Baltimore Ave.) on the
25 westbound north side of US 50. Another right-in, right-out access is planned from US 50 eastbound
26 to an extension of Tuxedo Blvd. There are several driveways on the eastbound side of US 50.

27 The Pueblo Area Council of Governments' (PACOG's) 2035 *Long Range Transportation Plan* also calls
28 for a new westbound right-in right-out north of US 50 between Wills and Pueblo. This road will
29 provide local access.

30 This portion of US 50 is divided by a depressed median from Swallows Rd. to the Burlington
31 Northern Santa Fe (BNSF) railroad crossing, and by a raised median between the railroad crossing
32 and Baltimore Ave. Acceleration and deceleration lanes are provided at the major intersections, as
33 are left-turn lanes. US 50 travels through residential and agricultural areas from Swallows Rd. to
34 Main McCulloch Blvd., then through parks and commercial areas between Main McCulloch Blvd.
35 and Pueblo Blvd., and an urban area adjacent to the eastern study limits.

36 **Chapter 1, Section 1.5** of this PEL provides more details about the US 50 Corridor.

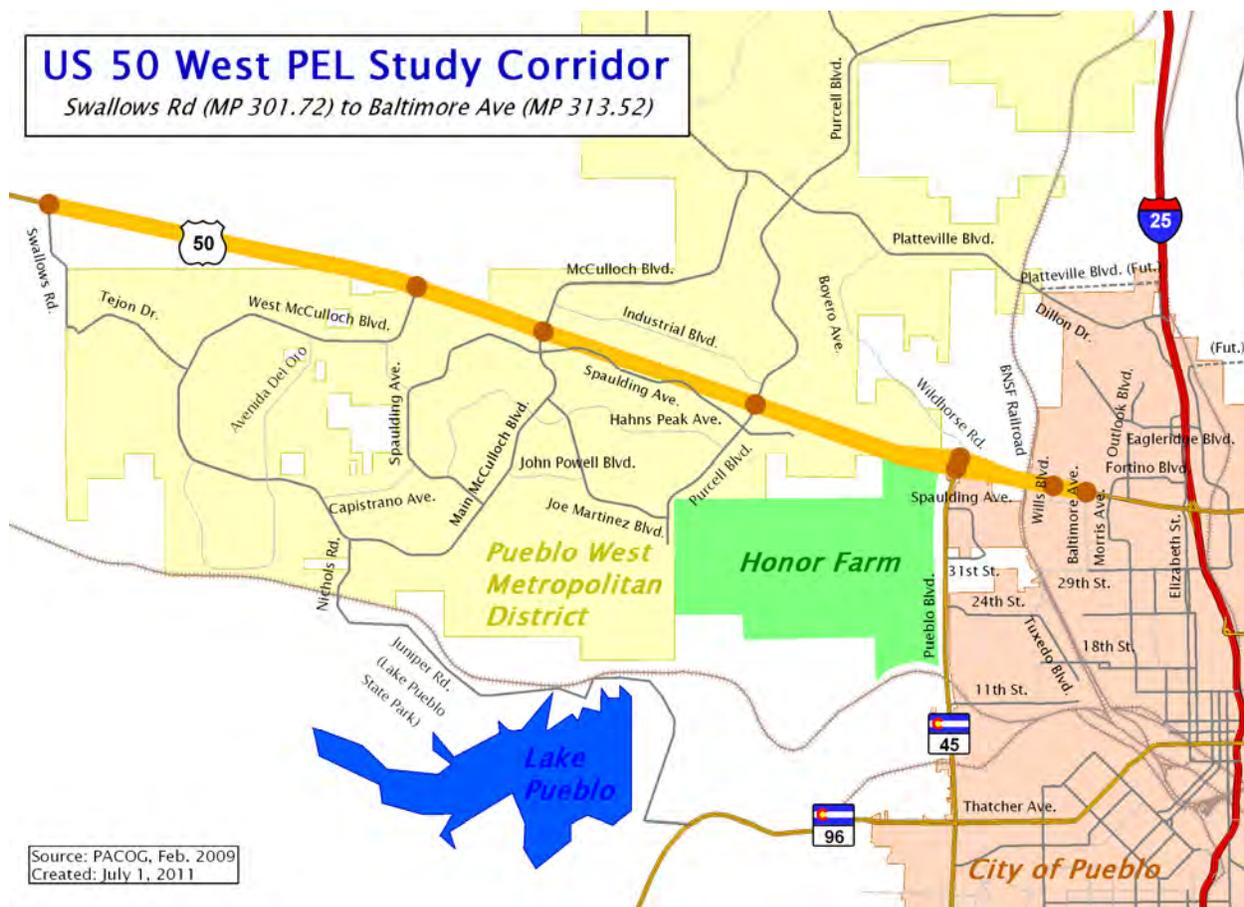


Figure 1. Study Corridor and Vicinity

4. What were the key steps and major planning activities completed in this PEL Study?

The following key steps and major planning activities have been completed for this study:

- A traffic safety assessment within the project area
- Travel demand modeling based on the Pueblo Area Council of Governments (PACOG) socioeconomic forecasts to estimate 2035 traffic volumes
- PEL-level environmental data collection (historic properties, utilities, hazardous materials, streams, wetlands, habitat, visual, noise, etc.)
- A scoping process to determine the Purpose and Need of this project
- Alternatives development
- Alternatives screening and comparison
- Agency and public involvement
- The project team’s recommendation of the Preferred Alternative

5. Who participated in those key steps in the PEL process?

Participants and their involvement in the PEL process include the following:

- CDOT and J.F. Sato and Associates (JFSA) invited representatives of the City of Pueblo, Pueblo County, the Pueblo West Metropolitan District, and PACOG to form the Technical Advisory Team (TAT) on April 1, 2010. The TAT met approximately monthly throughout the duration of the study.
- CDOT formed the Policy Advisory Team (PAT) by inviting a representative of the Pueblo West Metropolitan District to ongoing bimonthly coordination meetings with Pueblo County and the City of Pueblo.
- CDOT hosted community work sessions (public meetings) at the Pueblo West Public Library on April 5, 2011, and at Centennial High School in Pueblo on April 7, 2011.
- CDOT met periodically with FHWA’s Colorado Division about the progress of the PEL process.

6. What were the federal, state, and local agency coordination processes?

Federal, state, and local agency coordination processes included the following:

- The TAT met periodically to discuss the development, screening, and comparison of alternatives.
- The Policy Advisory Team met periodically to provide guidelines for the PEL process.
- The study team coordinated with the US Fish and Wildlife Service (USFWS) to identify species of concern in the study area. While species with habitat in Pueblo County were identified, none of these species have habitat near the US 50 Corridor.
- The study team also contacted the Colorado Division of Wildlife (CDOW) about species of state concern.

Chapter 5 of this PEL Study describes agency coordination in more detail.

7. What is the purpose and need statement of this PEL Study?

The US 50 Corridor is congested during the peak hours and this congestion is expected to grow. By 2035, traffic volumes are expected to be double their current levels, and it could take as much as a half hour to travel this 12-mile Corridor during peak hours. The Corridor also has above-average crash rates concentrated around intersections that are related to differences in speed between vehicles. To address these needs, the following are elements of the Purpose and Need statement:

- Improve the safety of the Corridor
- Increase the mobility and relieve traffic congestion on US 50
- Minimize detrimental Level of Service (LOS) impacts on the surrounding network when improving US 50
- Accommodate multimodal connectivity (including local pedestrian and bicycle trails)
- Maintain reasonable access to future growth

Chapter 1, Section 1.6 of this PEL Study provides a more complete Purpose and Need statement.

1 **8. How were alternatives developed and what alternatives were**
2 **evaluated?**

3 The study team initially developed alternatives by creating “action plans” of similar components
4 (such as intersection types) that might address the congestion and safety issues on US 50. During the
5 evaluation process, the focus shifted to individual intersection options because of concerns about
6 footprint-related impacts. Later in the evaluation process, the remaining intersection options were
7 packaged with two mainline treatments to create the final alternatives for Level 4 analysis. **Chapter 3**
8 provides more detail about the alternative development and evaluation process.

9 The following intersection options were examined, among others:

- 10 ■ Unsignalized intersections
- 11 ■ Signalized intersections
- 12 ■ Diamond interchanges
- 13 ■ Single-Point Urban Interchanges (SPUIs)
- 14 ■ Partial cloverleaf interchanges
- 15 ■ Continuous Flow Intersections (CFIs)
- 16 ■ Diverging diamond interchanges

17 **Chapter 2, Section 2.4** presents the complete list of intersection options considered, with
18 descriptions.

19 The study team used two mainline treatments: four-lane and six-lane cross sections with a bicycle
20 and pedestrian path to the south of US 50. **Figure 2** shows a comparison of the alternative cross
21 sections with the existing US 50 cross section in Pueblo West. **Chapter 2, Section 2.3** provides
22 more information about the mainline options.

23 The study team also examined several local improvements to determine if they could reduce
24 congestion on US 50 without having to make improvements to US 50 itself. Improvements
25 included:

- 26 ■ Extending Pueblo Blvd. north of US 50
- 27 ■ Constructing a new section (Joe Martinez Blvd. Extension) and improving other sections of
28 the West Pueblo Connector
- 29 ■ Extending Eagleridge Blvd. west to the Pueblo Blvd. Extension
- 30 ■ Extending Industrial Blvd. east to Wildhorse Rd.
- 31 ■ Extending Spaulding Ave. through Honor Farm and south to 11th St.
- 32 ■ Extending Tuxedo Blvd. north to US 50

33 **Chapter 1, Section 1.8** of this PEL Study describes these local improvements in more detail. The
34 study team found that these local improvements have benefits in diverting traffic away from US 50,
35 but not enough to eliminate the need to make improvements on US 50 itself. **Chapter 1,**
36 **Section 1.9** gives the specific benefits of each local improvement project.

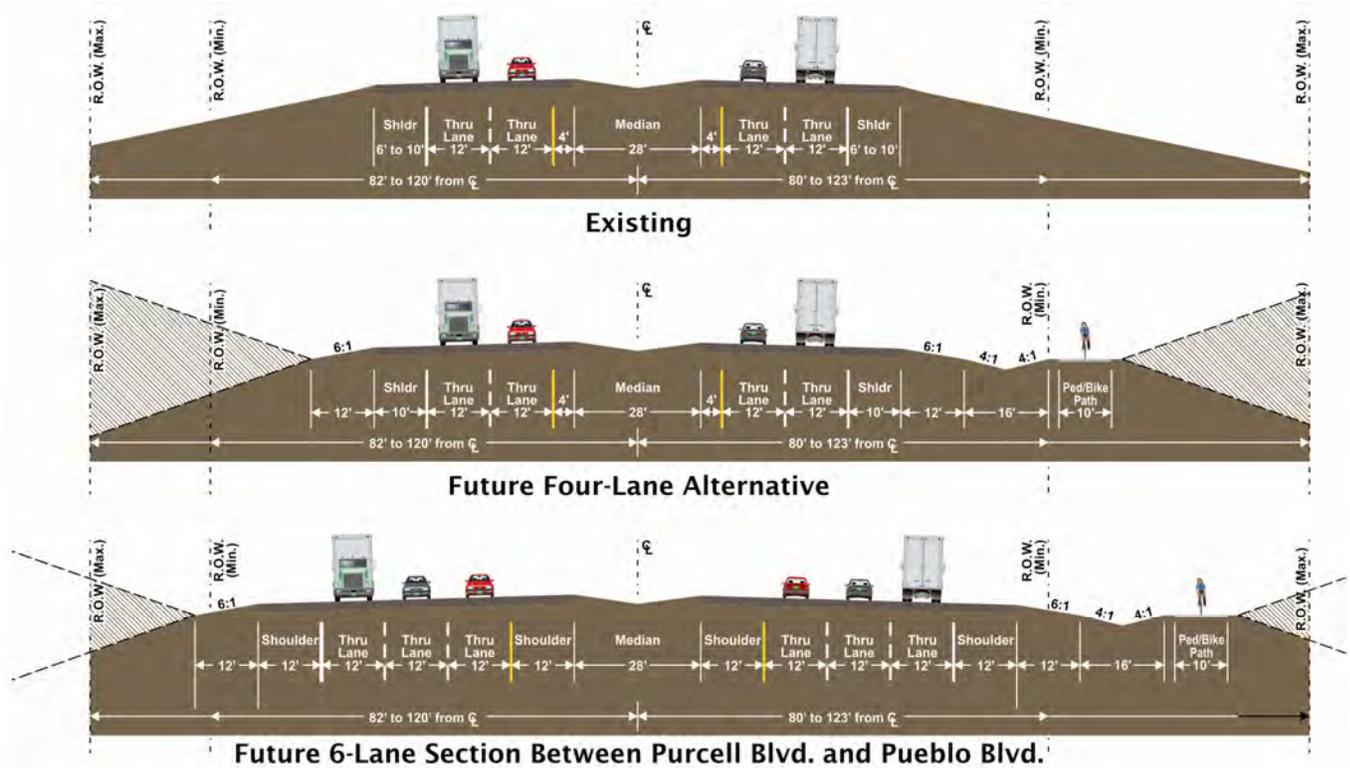


Figure 2. Existing and Proposed US 50 Cross Sections

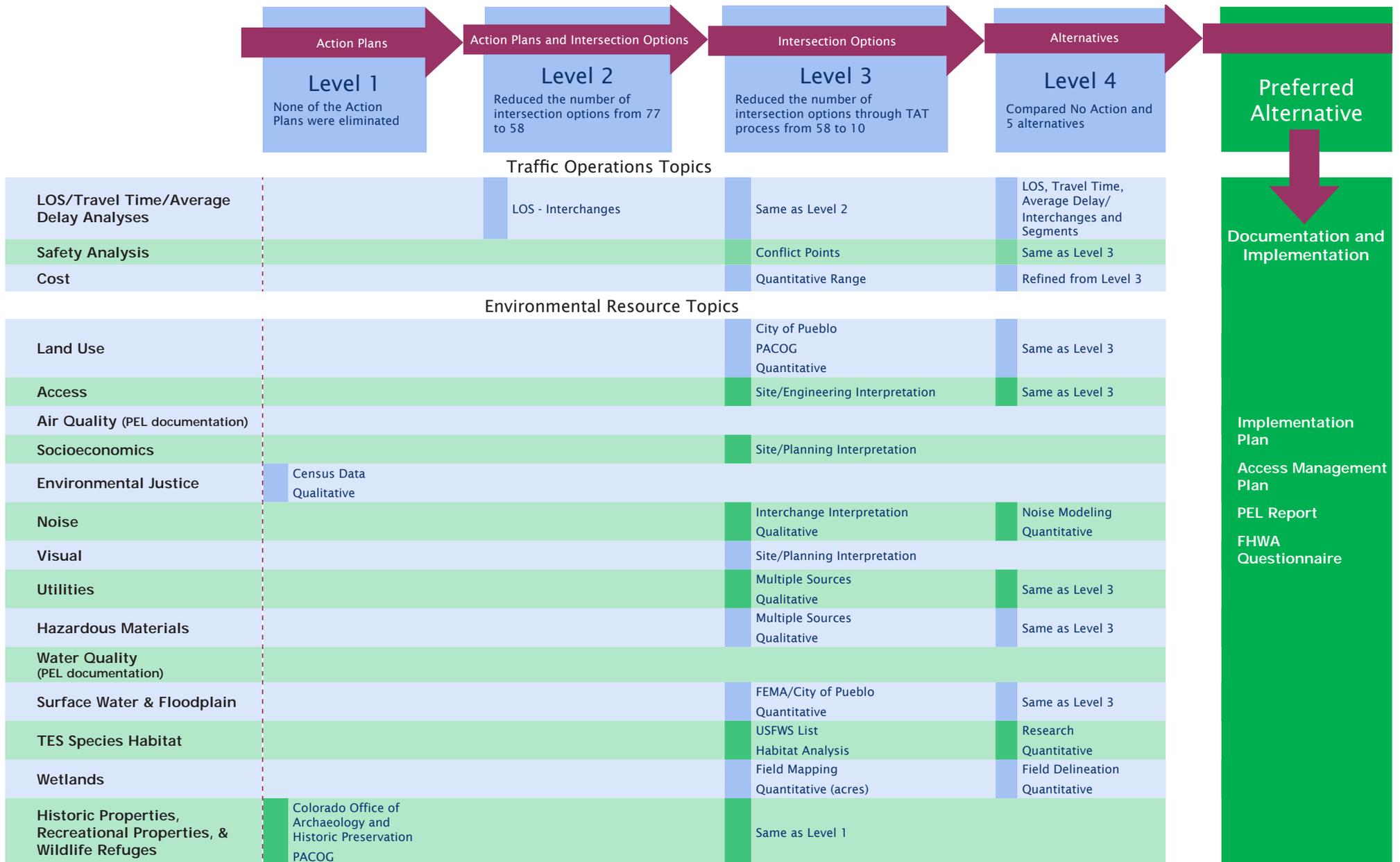
9. What criteria were used to evaluate alternatives?

The study team and TAT completed four levels of evaluation to identify the Preferred Alternative. Each level of evaluation considered different issues:

- Level 1 screening examined environmental fatal flaws involving environmental justice, historic properties, recreational properties, and wildlife refuges
- Level 2 screening considered traffic operations at the seven intersections, which are the bottlenecks along US 50. To pass Level 2 screening, intersection options had to operate at LOS D or better, meaning they handled fewer vehicles than their capacity.
- Level 3 comparative analysis considered footprint-related impacts—such as the need to get more right-of-way or disruptions to the environment—along with traffic operations, safety, cost, and implementation of intersection options.
- Level 4 comparative analysis examined five action alternatives and the No Action Alternative with more detailed analysis of the considerations used in Level 3 evaluation. Level 4 evaluation also considered mitigation measures.

Figure 3 illustrates the process used to evaluate alternatives for the US 50 PEL. Chapter 3 provides a detailed overview of each level of evaluation, while Appendix B contains the detailed evaluation tables.

Figure 3. Alternative Screening and Comparative Analysis Process

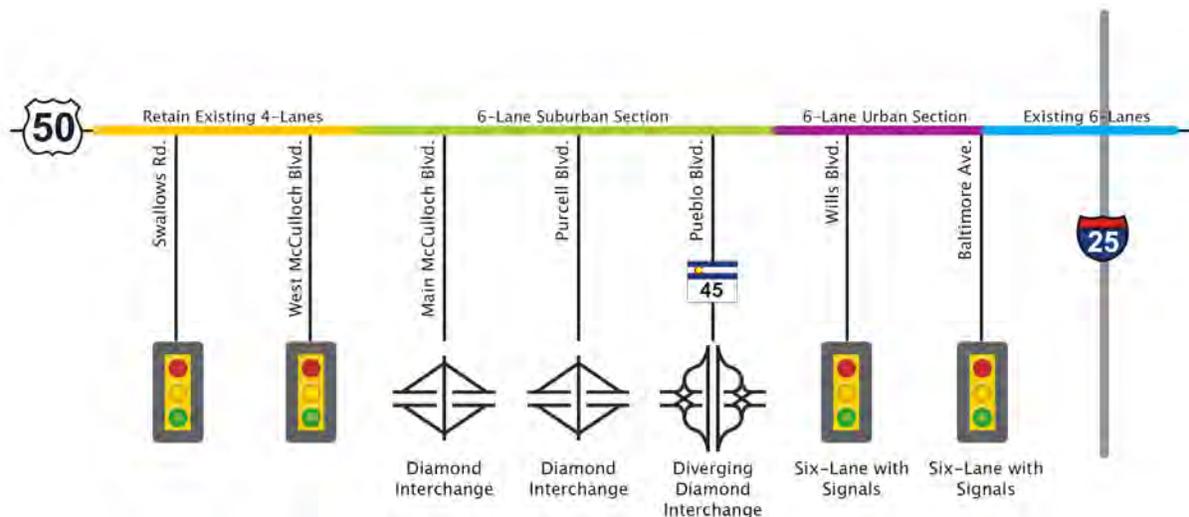


1 **10. Which alternative is the Preferred Alternative and why?**

2 The Preferred Alternative is Alternative E, with six lanes on US 50 east of Main McCulloch Blvd.,
 3 diamond interchanges at Main McCulloch Blvd. and Purcell Blvd., and a diverging diamond
 4 interchange at Pueblo Blvd. The Preferred Alternative would retain the existing traffic signals at
 5 Wills Blvd. and Baltimore Ave., and add two new signals at Swallows Rd. and West McCulloch Blvd.
 6 The Preferred Alternative would also include a 3,970-foot noise wall along the south side of US 50
 7 between West McCulloch Blvd. and Main McCulloch Blvd.

8 **Figure 4** illustrates the Preferred Alternative. **Chapter 3, Section 3.11** describes the Preferred
 9 Alternative in more detail.

10 The TAT thought this alternative would offer the greatest phasing flexibility and responsiveness to
 11 growing traffic volumes. Phasing flexibility is important to the TAT because they determined that
 12 the funds to improve US 50 will not be available all at once, so improvements will need to be built in
 13 small pieces. The Preferred Alternative would balance good traffic operations with minimal
 14 environmental impacts. **Chapter 3, Section 3.10** presents the TAT’s complete rationale for
 15 identifying Alternative E as the Preferred Alternative.



16

17

Figure 4. Schematic Illustration of Preferred Alternative

18 **11. How will the Preferred Alternative be implemented?**

19 CDOT plans to enter into a Memorandum of Agreement (MOA) with the City of Pueblo, Pueblo
 20 County, the Pueblo West Metropolitan District, and PACOG. This MOA will define the preferred
 21 alternative for US 50. An addendum in the form of an outline of how each entity will work toward
 22 its implementation is currently being developed by the same team members who contributed to this
 23 study. The Preferred Alternative will also need to be adopted as part of PACOG’s current *Long*
 24 *Range Transportation Plan*.

25 CDOT is also developing an implementation plan for US 50. The implementation plan will identify
 26 individual improvement projects that can be built as funds become available for US 50. CDOT and

1 the TAT will prioritize those projects based on need, future traffic levels, their relationship to other
2 improvement projects, as well as other factors. **Chapter 6** contains the details of the implementation
3 process.

4 ***12. Who can I contact for more information about the US 50 West*** 5 ***PEL Study?***

6 If you would like more information about this project, contact Joe Garcia, CDOT's project manager
7 for this study. Contact information is as follows:

8 **Mailing Address:** 905 Erie Ave., PO Box 536, Pueblo, CO 81002

9 **Telephone Number:** (719) 546-5727

10 **Fax Number:** (719) 546-5414 fax

11 **Email Address:** Joe.Garcia@dot.state.co.us

APPENDIX F

PUBLIC COMMENTS

APPENDIX G

PUBLIC NOTICE

Public Notice

Public notification is hereby given by the Department of Homeland Security's Federal Emergency Management Agency (FEMA) of the intent to prepare an Environmental Assessment (EA) for a proposed project submitted by the County of Pueblo for the construction of a new Pueblo County Emergency Services Center. Funding would be provided by DHS/FEMA, through the Chemical Stockpile Emergency Preparedness Program (CSEPP). The CSEP Program is a federally funded program designed to improve the emergency response capabilities on the installations that store, and the communities that surround, the United States Army's chemical weapons storage facilities. The U.S. Army Pueblo Chemical Depot located in Pueblo County is one of those facilities.

The Council on Environmental Quality (CEQ) has developed regulations to implement the National Environmental Policy Act (NEPA). These regulations require an investigation of the potential environmental impacts of a federal action, and an evaluation of alternatives as part of the environmental assessment process. FEMA also has regulations that establish the agency-specific process for implementing NEPA. An EA will be prepared in accordance with both FEMA and CEQ NEPA regulations. Three alternatives will be considered in this EA:

PROPOSED ALTERNATIVE (1) would implement the construction of a Pueblo County Emergency Services Center located in downtown Pueblo, Colorado at 1001 N. Santa Fe Avenue.

PROPOSED ALTERNATIVE (2) would implement the construction of a Pueblo County Emergency Services Center at the following location, 829 E. Industrial Blvd. located in Pueblo West, Colorado.

NO ACTION ALTERNATIVE considers the consequences of not building a new Pueblo County Emergency Services Center. A No Action Alternative is required to be evaluated for all EA's.

The President of the United States has issued Executive Orders that require Federal agencies to focus attention on the environment and on human health and safety when considering the construction or funding of an action. Particular attention is paid to Executive Orders 11988 (Protection of Floodplains), 11990 (Protection of Wetlands), 12898 (Environmental Justice), the Endangered Species Act, and the National Historic Preservation Act.

A public comment period related to the alternatives as outlined above or other possible alternatives will remain open for 15 days following publication of this notice. In addition to this initial comment period, a final comment period will be opened for notice of availability of the Draft EA. All comments must be made in writing to All-Phase Environmental Consultants, Inc. located at 721 W. 9th Street in Pueblo, CO 81003. An open house, to present the alternatives, will be held on July 6, 2011 at the Robert Hoag Rawlings Public Library located at 100 E. Abriendo Ave. in Pueblo, CO 81004 from 4:30pm – 6:30pm in the Bret Kelly Room.

Interested persons may obtain more detailed information about the alternatives from All-Phase Environmental Consultants, Inc. at allphase@aculink.net. Additionally, comments or questions regarding the EA process may be directed to Steven Hardegen, FEMA Region VIII Environmental Officer at 303-235-4714 or steven.hardegen@dhs.gov.

Federal Emergency Management Agency

PUBLIC NOTICE

**Notice of Availability of the Draft Environmental Assessment (DEA)
for the Construction of the Pueblo County Emergency Services Center
Pueblo, Pueblo County, Colorado**

FEMA and the Chemical Stockpile Emergency Preparedness Program (CSEPP)

CFDA # CSEPP-97.040

Interested persons are hereby notified that the Pueblo County Emergency Services Center (ESC) has applied to the Federal Emergency Management Agency (FEMA) through the Chemical Stockpile Emergency Preparedness Program (CSEPP) for funding to construct a new ESC. The CSEP Program is a federally funded program designed to improve the emergency response capabilities on the installations that store, and the communities that surround, the United States Army's chemical weapons storage facilities. The U.S. Army Pueblo Chemical Depot located in Pueblo County is one of those facilities.

FEMA through the CSEPP has agreed to provide funding to the Pueblo County Sheriff's Department for the construction of the Emergency Services Center. The Council on Environmental Quality (CEQ) has developed regulations to implement the National Environmental Policy Act (NEPA). These regulations require an investigation of the potential environmental impacts of a federal action, and an evaluation of alternatives as part of the environmental assessment process. FEMA also has regulations that establish the agency-specific process for implementing NEPA. An EA was prepared in accordance with both FEMA and CEQ NEPA regulations. Three alternatives were considered in the EA:

PROPOSED ALTERNATIVE (1) The No Action Alternative - A No Action Alternative is required to be evaluated for all EA's. Under this alternative, the Pueblo County Emergency Services Center would continue to run its operations out of the existing basement location of the Pueblo County Judicial Building without any alteration or changes to the location.

PROPOSED ALTERNATIVE (2) would implement the construction of a Pueblo County Emergency Services Center located in downtown Pueblo, Colorado at 1001 N. Santa Fe Avenue.

PROPOSED ALTERNATIVE (3) would implement the construction of a Pueblo County Emergency Services Center at the following location, 829 E. Industrial Blvd. located in Pueblo West, Colorado.

FEMA has agreed to provide funding to Pueblo County for the construction of the ESC at the location known as 1001 N. Santa Fe Avenue. The proposed site is located in downtown Pueblo, Colorado in the heart of the government and business district. The proposed project would be on the city block between Main St. and Santa Fe Ave. and 10th and 11th Streets.

In accordance with the National Environmental Policy Act (NEPA) of 1969, National Historic Preservation Act (NHPA), Executive Orders 11988 & 11990, and the implementing regulations of FEMA, an Environmental Assessment (EA) was prepared to assess the potential impacts of the Proposed Action on the human and natural environment. The Draft EA summarizes the purpose and need, alternatives, affected environmental, and potential environmental consequences for the proposed action.

The Draft EA is available for comment and can be viewed and downloaded from FEMA's website at <http://www.fema.gov/plan/ehp/envdocuments/ea-region8.shtm>, the Pueblo County website at <http://county.pueblo.org/government/public-notice> or viewed at the following location: Robert Hoag Rawlings Public Library located at 100 E. Abriendo in Pueblo, Colorado from March 7 thru April 6, 2012 from 9:00 am to 5:00 pm Monday-Friday. An open house, to present the Draft Environmental Assessment and address any questions, will be held on March 19, 2012 at the Robert Hoag Rawlings Public Library located at 100 E. Abriendo Ave. in Pueblo, CO 81004 from 4:00pm – 6:00pm in the Bret Kelly Room located on the first floor.

The comment period will end 30 days from the initial notice publication date of March 7, 2012. Written comments on the Draft EA can be mailed, emailed, or faxed to the contact below. If no substantive comments are received, the Draft EA will become final and a Finding of No Significant Impact (FONSI) will be issued for the project. Substantive comments will be addressed as appropriate in the final documents.

Steven E. Hardegen
Regional Environmental Officer, FEMA VIII
DFC, Building 710, Box 25267
Denver, CO 80225-0267
303 235-4714 fax 303 235-4849
steven.hardegen@dhs.gov