

**STAFF REPORT FOR THE HISTORIC RESOURCES COMMISSION MEETING OF
SEPTEMBER 11, 2014**

FILE NO: HRC-14-056

AGENDA ITEM: J-3

STAFF AUTHOR: Susan Dorr Pansky, AICP
Planning Manager

REQUEST: To consider a request from the Carson City Public Works Department for Historic Resources Commission approval of the proposed wastewater treatment plant rehabilitation/upgrades, sewer line replacement and storm water improvements as required for federally funded projects under Section 106 of the National Historic Preservation Act of 1966.

APPLICANT: Carson City Public Works

OWNER: Carson City Public Works

LOCATION: Various

RECOMMENDED MOTION: “I move to approve HRC-14-056, a request from the Carson City Public Works Department for Historic Resources Commission approval of the proposed wastewater treatment plant rehabilitation/upgrades, sewer line replacement and storm water improvements based on the findings and conditions of approval outlined in the staff report, as required for federally funded projects under Section 106 of the National Historic Preservation Act of 1966 and consistent with Chapter 18.06 of the Carson City Municipal Code and with Historic Resources Commission Policies.”

RECOMMENDED CONDITIONS OF APPROVAL:

1. All development shall be substantially in accordance with the site development plans outlined in the report.
2. All on and off-site improvements shall conform to City standards and requirements.
3. The applicant must sign and return the Notice of Decision within 10 days of receipt of notification. If the Notice of Decision is not signed and returned within 10 days, then the item may be rescheduled for the next Historic Resources Commission meeting for further consideration.
4. The following conditions are required to address potential adverse effects to sewer lines older than 50 years of age:
 - a. An archaeological monitor shall be present during replacement of older sewer lines to document representative portions of those alignments;
 - b. Documentation shall consist of a narrative that describes construction materials and design of the sewer alignment to be replaced;
 - c. A map shall be provided depicting the alignments to be replaced;
 - d. Photographs of representative sections of each historic alignment shall be provided.
5. A construction fence shall be placed along the north bank of Vicee Canyon to restrict access to the construction camp about the drainage.

6. The following conditions are required to address potential adverse effects to the Virginia and Truckee Railroad Grade associated with proposed detention basin maintenance:
 - a. An archaeological monitor shall be present during maintenance activities adjacent to the railroad grade;
 - b. Any features such as culverts or construction materials associated with the railroad grade shall be documented;
 - c. The document narrative shall be appended to existing site records for the Carson City portion of the railroad grade and submitted to SHPO.

7. If any buried or previously unidentified resources are located during the project activities, all work in the vicinity of the find shall cease and the applicant shall contact the State Historic Preservation Office for additional consultation per 36 CFR 800.13.b.3.

LEGAL REQUIREMENTS: Section 106 of the National Historic Preservation Act, CCMC 18.06.030 (Duties of HRC)

DISCUSSION:

Carson City Public Works is proposing to utilize State Revolving Funds to upgrade portions of the Carson City Wastewater Reclamation Facility (WRF), replace aging sewer lines and upgrade storm water drainage. The majority of the loan funding will be used for rehabilitation of the WRF. This project includes effluent pumping as well as overall site improvements. Funding will also be used to repair or replace aging sewer main in the vicinity of Winnie and Fleishmann Streets, Minnesota Street, and along Pheasant Drive to reduce infiltration.

The remaining loan funds will be used for storm water drainage and quality improvements throughout Carson City. Improvements are proposed in the Kings Canyon, West Washington Street, Western Nevada Community College, Timberline Drive, King Street, Lower Goni Wash, Lakeview Road, Carson Street, Curry Street, and South Edmonds Drive areas. Various improvements at these locations may include: the addition of curb and gutter, limited underground storm drain piping, restoration of catchment basins and channels, and minor storm drain improvements. The new replacement storm water improvements will be installed in already disturbed areas and existing street rights-of-way. Storm water projects should help minimize inflow and help the City maintain compliance with its National Pollution Discharge System permit.

The Nevada Department of Environmental Protection (NDEP) had previously assessed the potential environmental effects of the proposed project and determined that the project is eligible for a finding of no significant impact because it is unlikely to have a negative effect on the quality of the environment and an environmental impact statement is not required. To comply with Section 106 of the National Historic Preservation Act, NDEP forwarded their findings to the Nevada State Historic Preservation Office (SHPO) for review. For the most part, SHPO concurred that the proposed project would have no effect on the historic properties, but with some specific conditions. These conditions are discussed later in this report.

SHPO also directed NDEP and Carson City Public Works to solicit comments from the Historic Resources Commission (HRC) regarding the project. To comply with SHPO's

conditional approval, Carson City Public Works hired an archaeological consultant, Great Basin Consulting Group, LLC, to conduct a Class I Cultural Resource Inventory in the vicinity of the proposed projects to provide background to the HRC and to clarify and address SHPO's concerns. The inventory is attached to this staff report for review. As a result of the findings outlined in the inventory, staff recommends modifications to SHPO's original conditions. These proposed modifications are provided below along with the original conditions that were provided by SHPO. The revised recommendations are further reflected in the proposed conditions of approval outlined in this staff report.

1. All rehabilitated facilities, structures, and the sewer main replacements are under 50 years of age.

The rock wall associated with the WRF does not meet National Register age criteria. Several sewer mains have been identified as older than 50 years of age. The following conditions are required to address potential adverse effects to sewer lines older than 50 years of age:

- a. *A monitor should be present during replacement of older sewer lines to document representative portions of those alignments.*
 - b. *Documentation will consist of a narrative that describes construction materials and design of the sewer alignment to be replaced;*
 - c. *A map depicting those alignments;*
 - d. *Photographs of representative sections of each historic alignment.*
2. The Rehabilitation of the wastewater reclamation facility will not significantly alter the current visual landscape.

Concur

3. SHPO reviews of the design plans for the additional curb and gutters, restoration of catchment basins and channels, as well as Storm Water Improvement Projects prior to construction for the following project components in order to ensure that the undertaking does not result in an adverse effect to historic properties:
 - a. Citywide Minor Storm Water Improvement Projects at W. Ann Street and N. Curry Street, which is noted to include "install pipe, inlets and related items within right-of-way."
 - b. King Street Drainage Improvements at West of Ormsby Boulevard, which is noted to include "install curb/gutter sidewalk and small berm within right-of-way."
 - c. West Washington Storm Drain Pipe Project at Ormsby Boulevard to Richmond, which is noted to include "install pipe, inlets, manholes and related items within the right-of- way."

Proposed improvements noted above are confined to existing disturbance and those improvements are less than 50 years old. The project will have no effect on historic properties.

4. There is an archaeological monitor present on location during ground disturbing activities for the following project locations:

- a. Western Nevada Community College Storm improvements Vicee Landscaping at the Combs Canyon Road and Large Basin South of Western Nevada Community College, which is noted to include "Install pipe, inlets and curb/gutter within right-of-way" as well as "Natural landscaping around inside slope of basin."

Storm Water upgrades are confined to existing berms and basins. A construction fence should be placed along the north bank of Vicee Canyon to restrict access to the construction camp above the drainage (Figure 25).

- b. South Carson Street Storm Water System Improvements at Rhodes Street to USFS, which is noted to include "install pipe, resize existing basin and related items."

Activities are confined to existing detention basins and culverts. The project will have no effect on historic properties.

- c. Citywide Minor Storm Water Improvement Projects at Snyder Avenue and S. Edmonds Drive, which is noted to include "install valley gutter with trench drain."

Minor improvement proposed for disturbed road shoulders along Snyder and Edmonds. The project will have no effect on historic properties.

5. The following project components have no conditions for a determination of no adverse effect:
 - a. Timberline Sediment Control Project at Various Streets, which is noted to include "Install pipe, inlets and curb/gutter within right-of-way."
 - b. Lower Goni Wash Water Quality Improvements at N. Lompa Lane, which is noted to include "Improve existing berms and install outlet control."
 - c. Citywide Minor Storm Water Improvements Projects at E. Clearview Drive and S. Edmonds Drive, which is noted to include "Install pipe, inlets and related items within right-of-way."

Concur with a, b, and c.

The SHPO did not concur with the EPA's determination that the following actions under the proposed undertaking will not pose an adverse effect to historic properties:

1. Kings Canyon Channel Maintenance Project at South Roop Street East. This is because this channel is over 50 years of age and other segments of this historic ditch have been determined eligible for the National Register of Historic Places. Additional identification work by a cultural resource professional is needed for the SHPO to review this portion of the undertaking.

Linear ditch is less than 50 years old and subject to routine maintenance. Project will have no effect on historic properties.

2. Lakeview Storm Drain Upgrade Improvements at Various Locations. This is because it is currently unclear where these upgrades will occur.

Minor additions of curb and gutter in disturbed right-of-way. Project will have no effect on historic properties.

One detention basin scheduled for maintenance is associated with the Virginia and Truckee railroad Grade (Figure26). Maintenance activities in that area may have an adverse effect on existing features that are considered contributing elements of the grade as an historic property or reveal additional features associated with the railroad grade. The following conditions are required to address potential adverse effects to the Virginia and Truckee Railroad Grade:

- a. An archaeological monitor should be present during maintenance activities adjacent to the railroad grade.*
- b. Any features such as culverts or construction materials associated with the railroad grade should be documented;*
- c. That narrative should be appended to existing site records for the Carson City portion of the railroad grade and submitted to SHPO.*

Staff recommends approval of HRC-14-056 with the recommended conditions of approval outlined in this staff report.

Attachments:

Memo from Public Works dated June 22, 2014
Cultural Resources Report prepared by Great Basin Consulting Group, LLC

**PUBLIC WORKS
DEPARTMENT**

ADMINISTRATION

3505 Butti Way
Carson City, NV 89701-3498
Ph: 775-887-2355
Fx: 775-887-2112

FLEET SERVICES

3303 Butti Way, Building 2
Carson City, NV 89701-3498
Ph: 775-887-2356
Fx: 775-887-2258

OPERATIONS

(Water, Sewer, Wastewater,
Streets, Landfill, Environmental)
3505 Butti Way
Carson City, NV 89701-3498
Ph: 775-887-2355
Fx: 775-887-2112

**ENGINEERING/
TRANSPORTATION/
CAPITAL PROJECTS**

3505 Butti Way
Carson City, NV 89701-3498
Ph: 775-887-2355
Fx: 775-887-2112

**BUILDING and SAFETY
PERMIT CENTER**

108 E. Proctor Street
Carson City, NV 89701-4240
Ph: 775-887-2310
Fx: 775-887-2202

PLANNING

108 E. Proctor Street
Carson City, NV 89701-4240
Ph: 775-887-2180
Fx: 775-887-2278

HEARING IMPAIRED

Dial 711

CARSON CITY NEVADA
Consolidated Municipality and State Capital



June 22, 2014

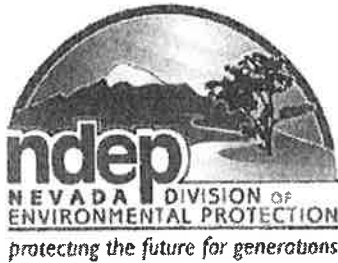
To: Susan Dorr-Pansky

From: David Bruketta, Utility Manager

DB

Regarding: Approval of Public Works projects funded from the Clean Water State Revolving Fund (CWSRF) by the Historic Resource Commission.

Summary: Carson City Public Works has requested a loan from the CWSRF in the amount of \$24,750,000 to provide wastewater treatment plan rehabilitation/upgrades, sewer line replacement and storm water improvements. An overview of the projects is detailed in the Public Notice, Finding of No Significant Impact from the State of Nevada, Division of Environmental Protection (Exhibit A). The State received comments back from the State Historic Preservation Office- SHPO (Exhibit B). After meetings between the State and SHPO, the State recommended these projects be presented to the Historic Resource Commission for approval.



STATE OF NEVADA

Department of Conservation & Natural Resources

DIVISION OF ENVIRONMENTAL PROTECTION

901 S. Stewart Street, Suite 4001 Carson City, Nevada 89701 (775) 687-4670 FAX 687-5856

Public Notice

FINDING OF NO SIGNIFICANT IMPACT CLEAN WATER STATE REVOLVING FUND LOAN

The Nevada Administrative Code (NAC) in Sections NAC 445A.742 to 445A.762, inclusive, outlines the environmental review procedures to be followed by the Division of Environmental Protection (NDEP) to meet the requirements of the National Environmental Policy Act (NEPA). This project will utilize funds from the Clean Water State Revolving Loan Fund.

Project Name: Wastewater treatment plant rehabilitation/upgrades, sewer line replacement, and storm water improvements

Project No.: 10 - Year 2014 Clean Water Priority List Revision 1

Applicant: Carson City

Clean Water State Revolving Fund Assistance: \$24,750,000

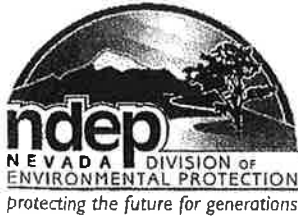
This loan will provide funding for projects that will rehabilitate portions of the Wastewater Reclamation Facility (WRF) and collection systems to ensure continued compliance with permits and provide storm water improvements to reduce the risk of flooding. The majority of the loan funding will be used for rehabilitation of the WRF. The projects include rehabilitation of the preliminary/primary treatment, secondary treatment, and solids handling and effluent pumping as well as overall site improvements. Funding will also be used to repair or replace aging sewer main in the Winnie/Fleischmann and Minnesota Street Areas and along Pheasant Drive to reduce infiltration. These projects will rehabilitate existing facilities and will not affect the degree of treatment or capacity of the system.

The remainder of the loan funds will be used for storm water drainage and quality improvements in the following areas: Kings Canyon, West Washington Street, Western Nevada Community College, Timberline Drive, King Street, Lower Goni Wash, Lakeview Road, and Carson Street. The various improvements at these locations may include: the addition of curb and gutter, limited underground storm drain piping, restoration of catchment basins and channels, and minor storm drain improvements. The new and replacement storm water improvements will be installed in already disturbed areas and existing street rights-of-way. The storm water projects should help minimize inflow and help the City maintain compliance with its National Pollution Discharge System permit.

NDEP assessed the potential environmental effects of the proposed project and determined that the project is eligible for a finding of no significant impact because it is unlikely to have a negative effect on the quality of the environment and an environmental impact statement is not required. Compliance with section 106 of the National Historic Preservation Act will occur before construction begins. Best management practices will be utilized during construction.

Documentation to support these conclusions is available for public examination at the office of the Division of Environmental Protection, 901 S. Stewart St., Suite 4001, Carson City, Nevada. Comments for consideration on this proposed decision must be submitted by April 4, 2014, to: Michelle Stamates, Clean Water State

Revolving Fund Program, 901 S. Stewart St., Suite 4001, Carson City, NV 89701-5405. Comments may be submitted by FAX to (775) 687-9510 or by e-mail to mstamate@ndep.nv.gov. Questions regarding this notice may be directed to Michelle Stamates at (775) 687-9331.



STATE OF NEVADA
Department of Conservation & Natural Resources
DIVISION OF ENVIRONMENTAL PROTECTION

Brian Sandoval, Governor
Leo M. Drozdoff, P.E., Director
Colleen Cripps, Ph.D., Administrator

February 27, 2014

Rebecca Lynn Palmer
State Historic Preservation Office
901 S. Stewart St., STE 5004
Carson City, NV 89701

Dear Ms. Palmer:

Section 106 of the National Historic Preservation Act of 1966 (NHPA) requires we take into account historic properties when considering funding a project through the Clean Water State Revolving Fund (CWSRF). We are considering funding improvements to the Carson City wastewater and storm water systems. NDEP determined that the project is eligible for a Finding of No Significant Impact as detailed in the enclosed public notice. Location and site maps, proposed project diagrams, and site photos are included.

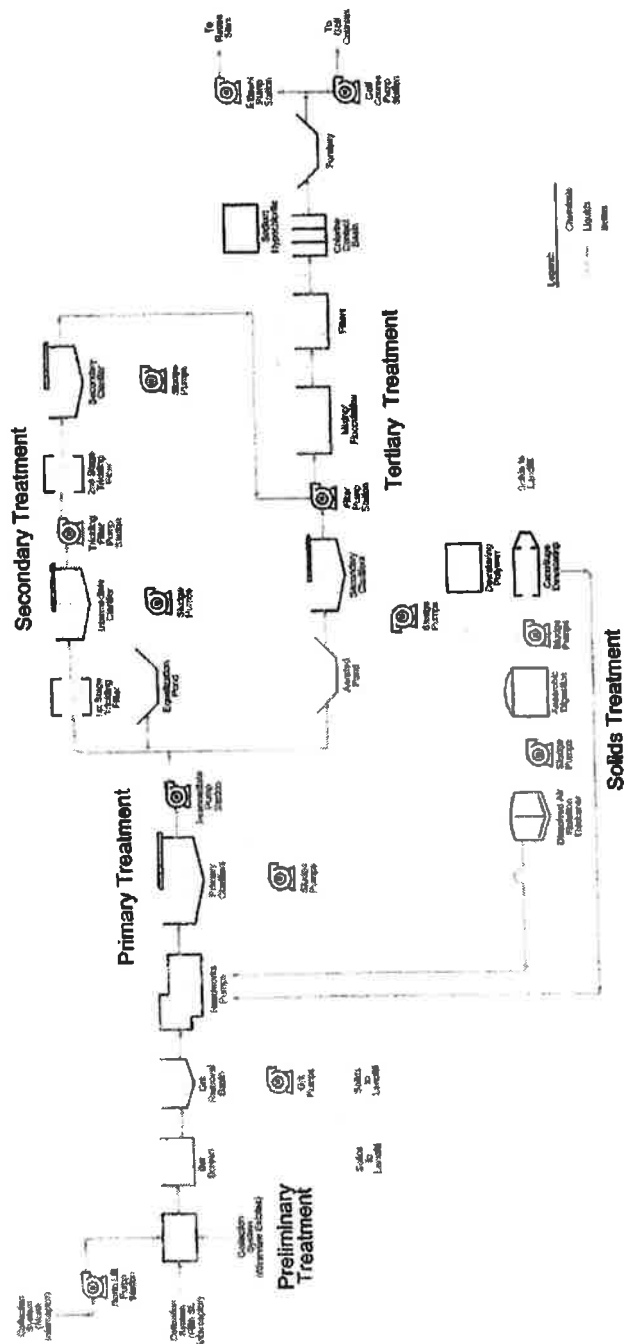
We would appreciate your review of the Carson City project under Section 106 of the NHPA and concurrence with our determination. Thank you for your assistance. If you need additional information or have any questions, please contact me at (775) 687-9331.

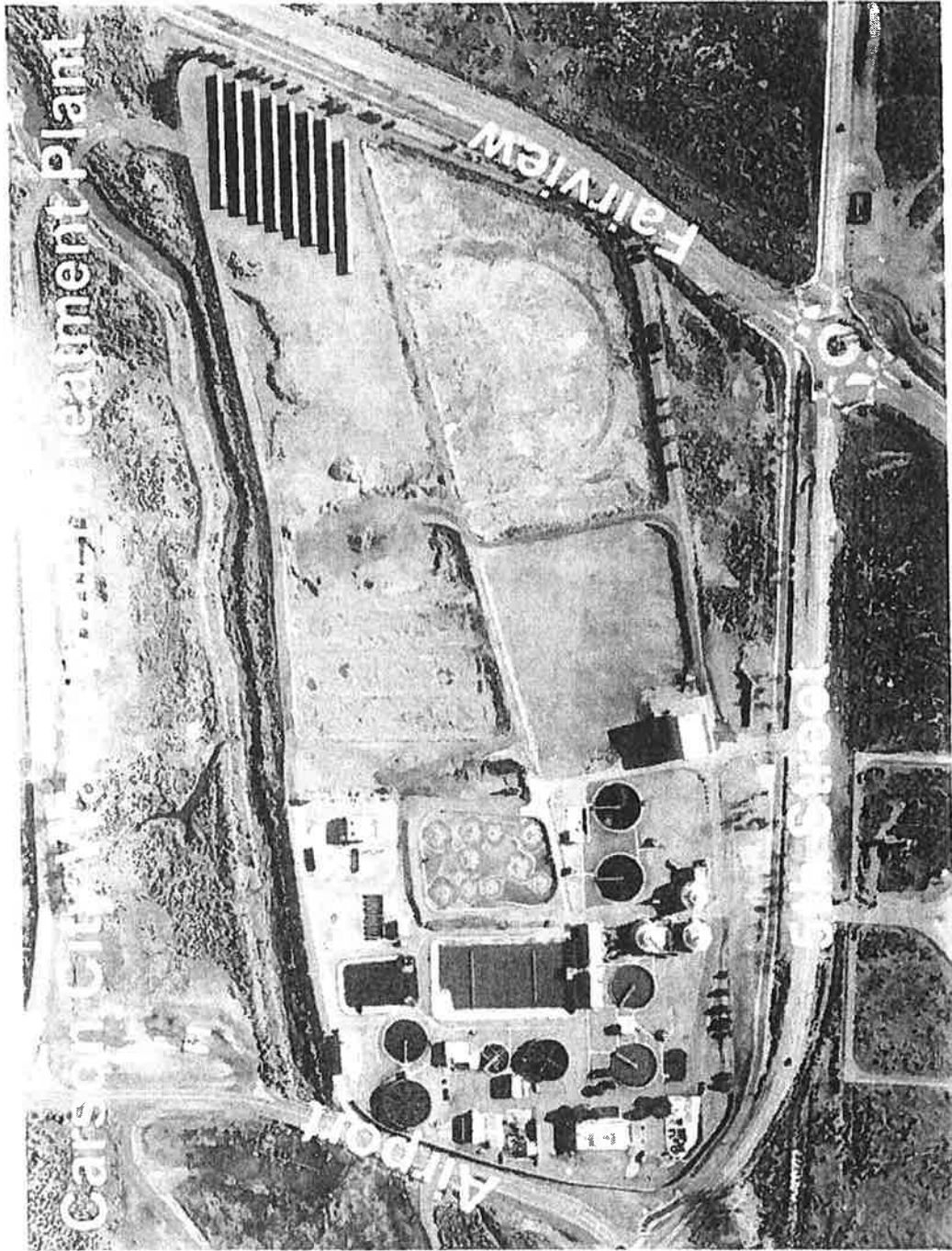
Sincerely,

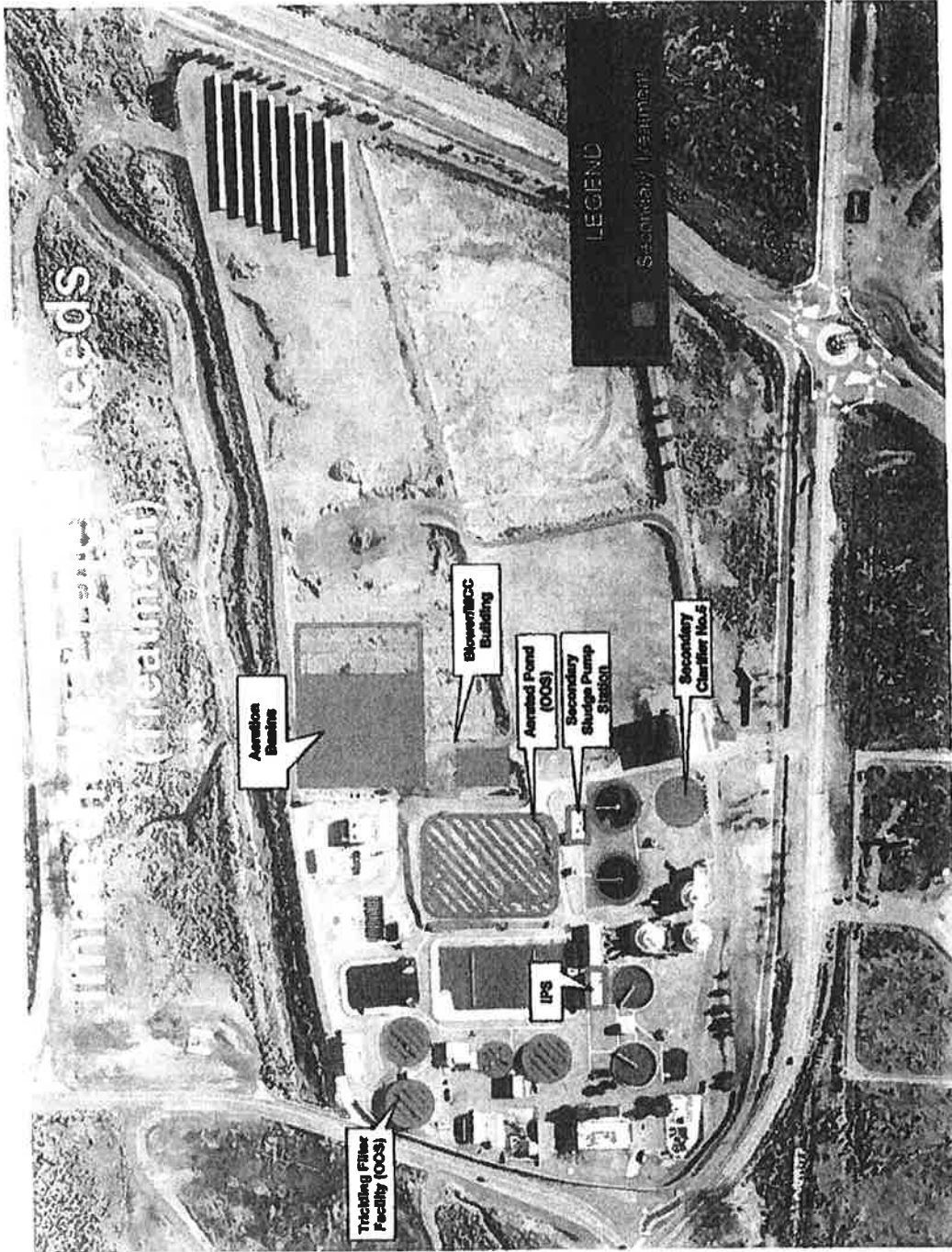
Michelle Stamates, P.E.
Clean Water State Revolving Fund Program

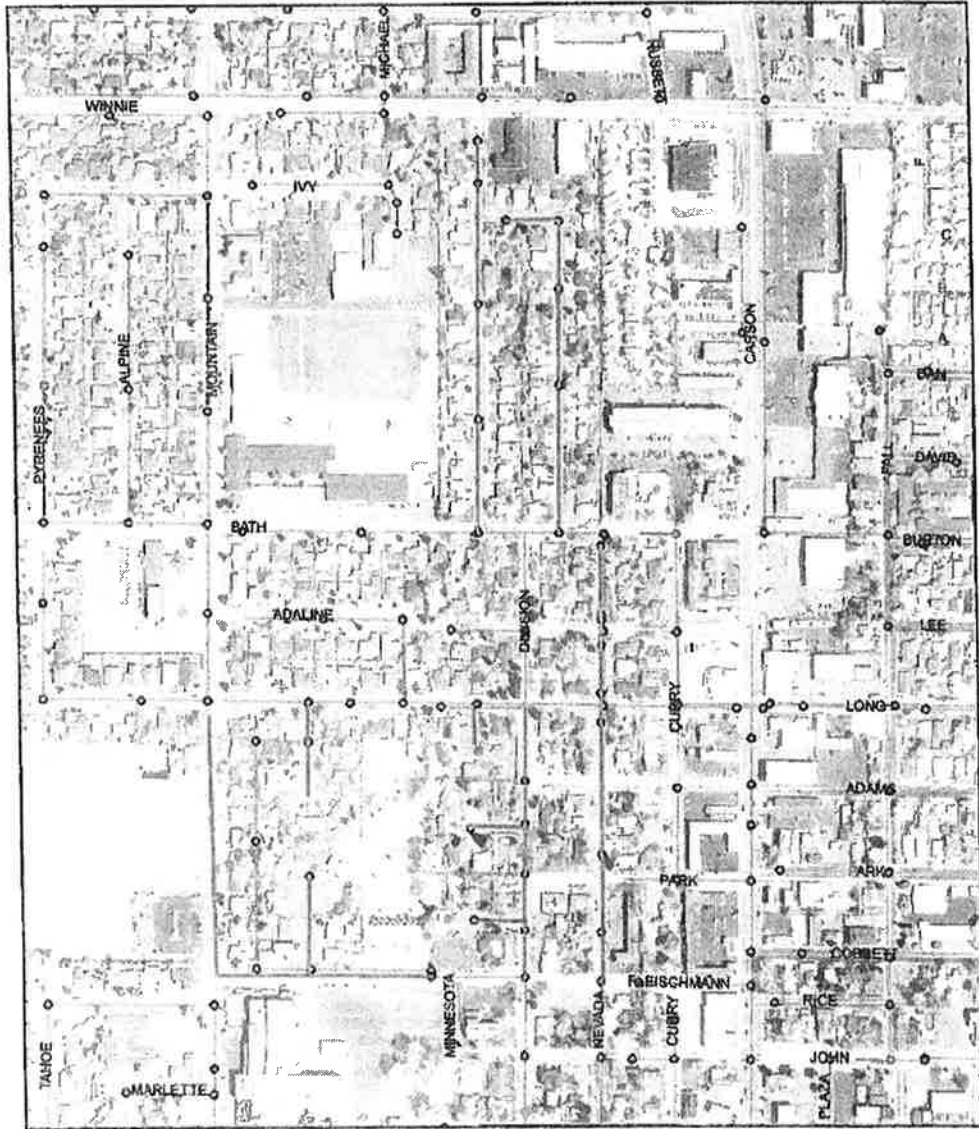


Carson City Wastewater Reclamation Facility Flow Schematic





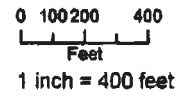


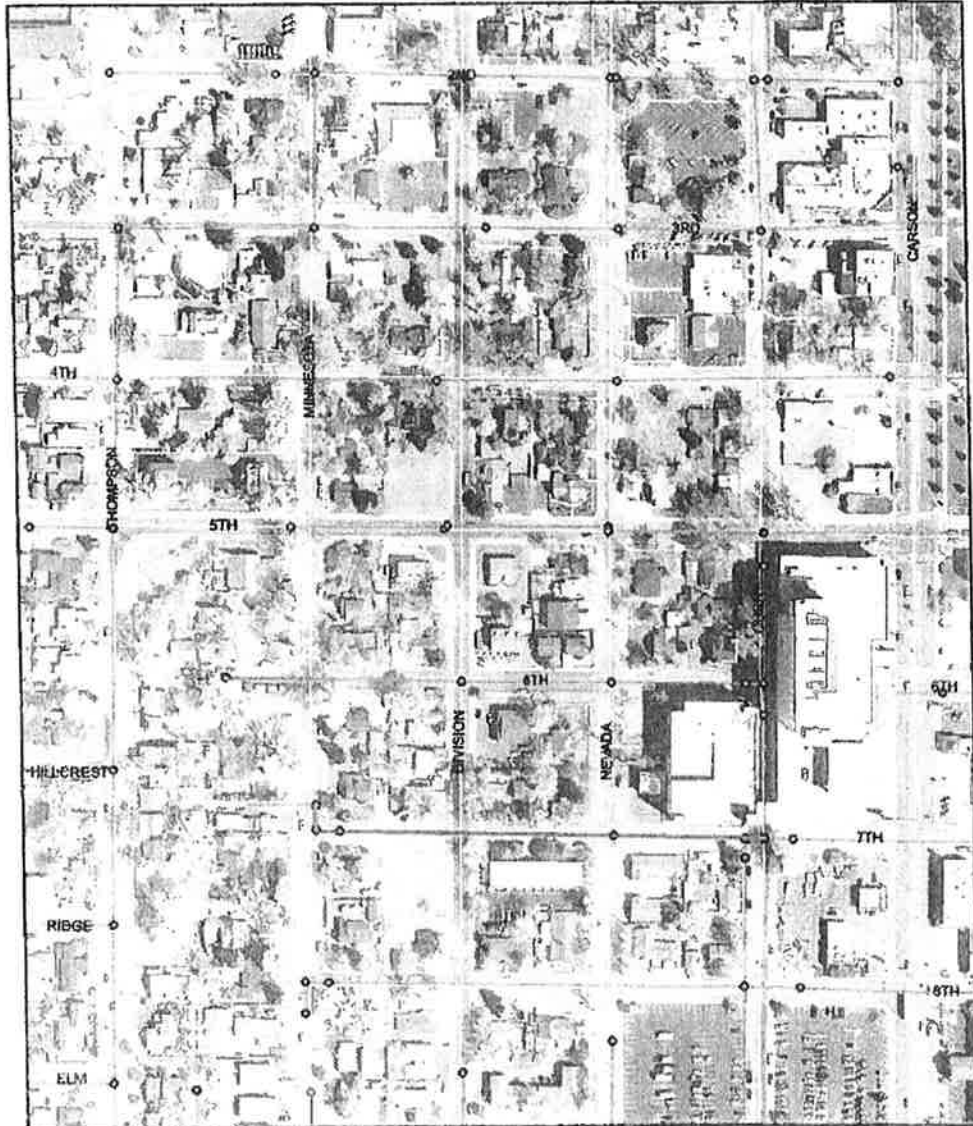


Sewer Main Replacement (Winnie/Fleischmann Area)



- Mountain Street Sewer
- Division to Winnie and Bath
- Nevada St from Meyers to Bath
- Nevada from Fleischmann to Bath



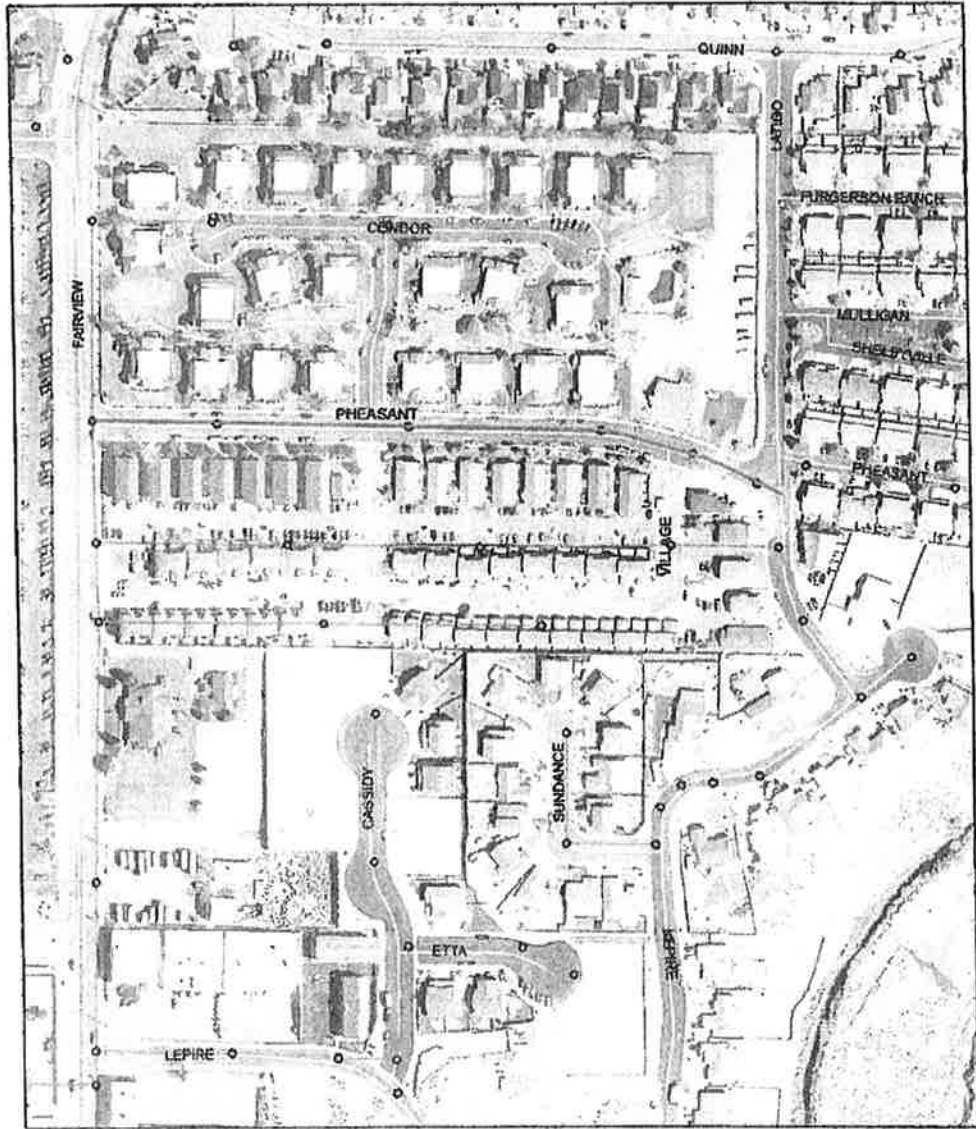


Sewer Main Replacement (Minnesota St. Area)

- 612 S Minnesota
- 80 ST from Minnesota to Curry



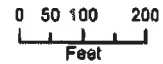
0 50 100 200
 Feet
 1 inch = 200 feet



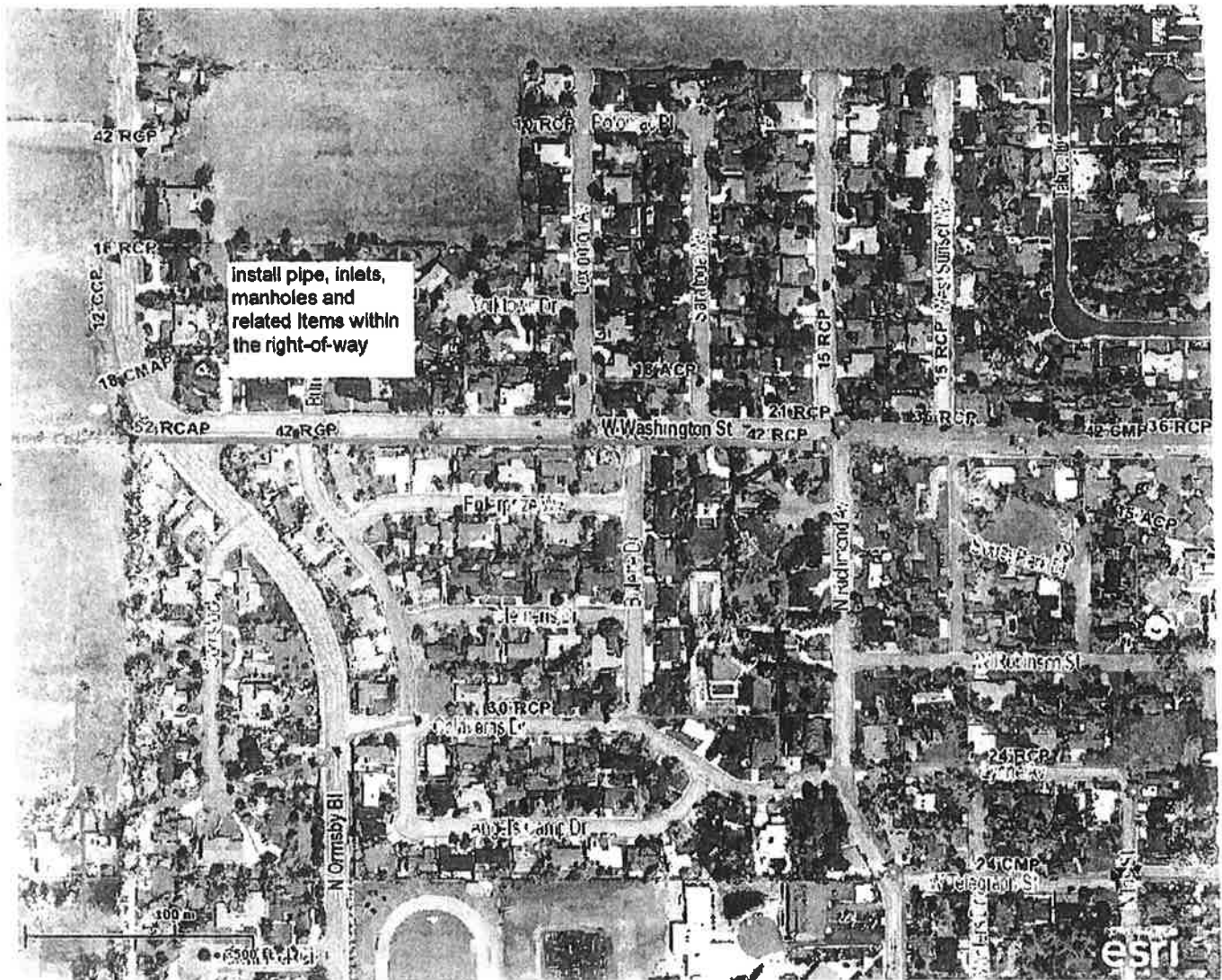
Sewer Main Replacement (Pheasant Dr. Sipline)



o pheasant from village to fairview

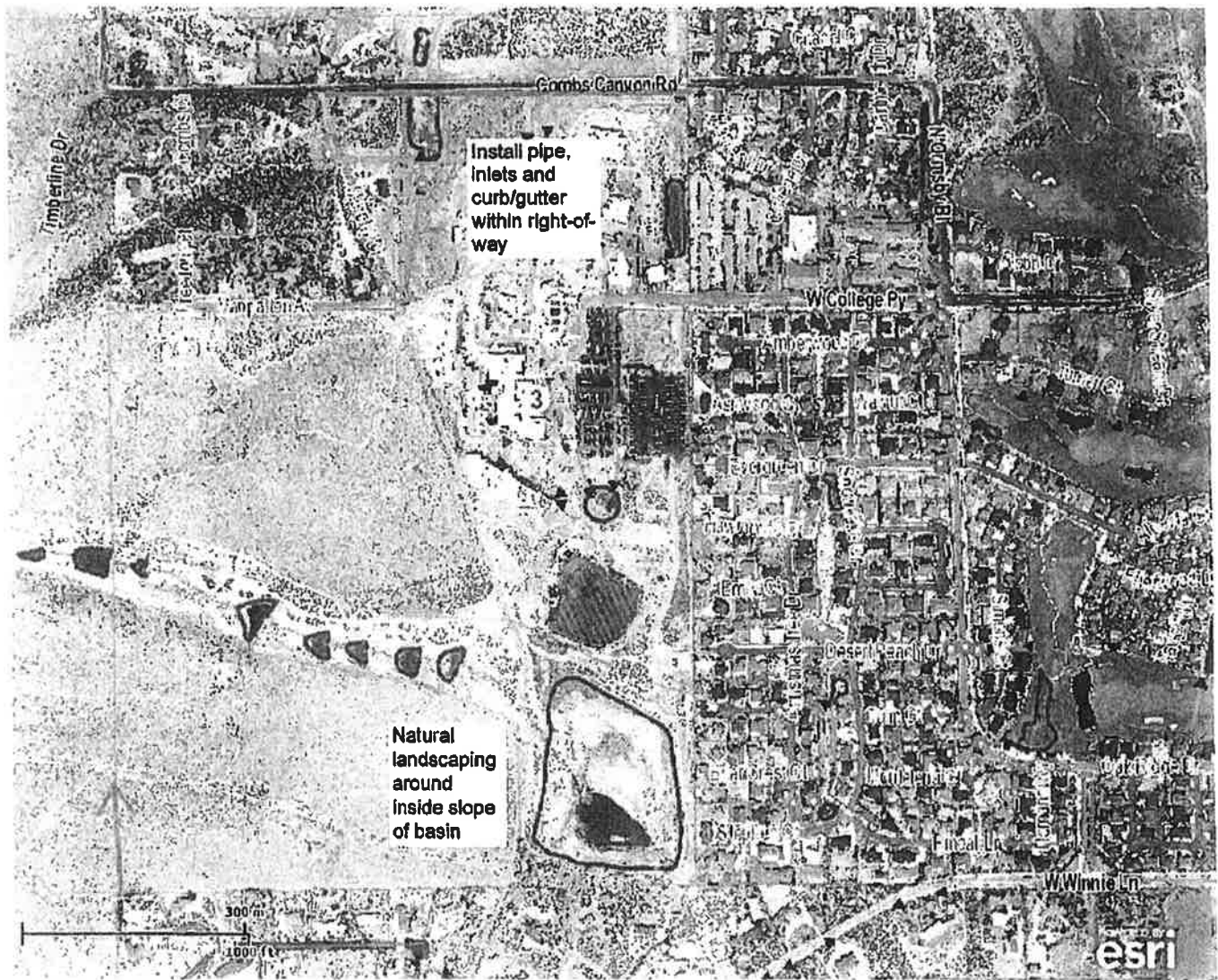


1 inch = 200 feet



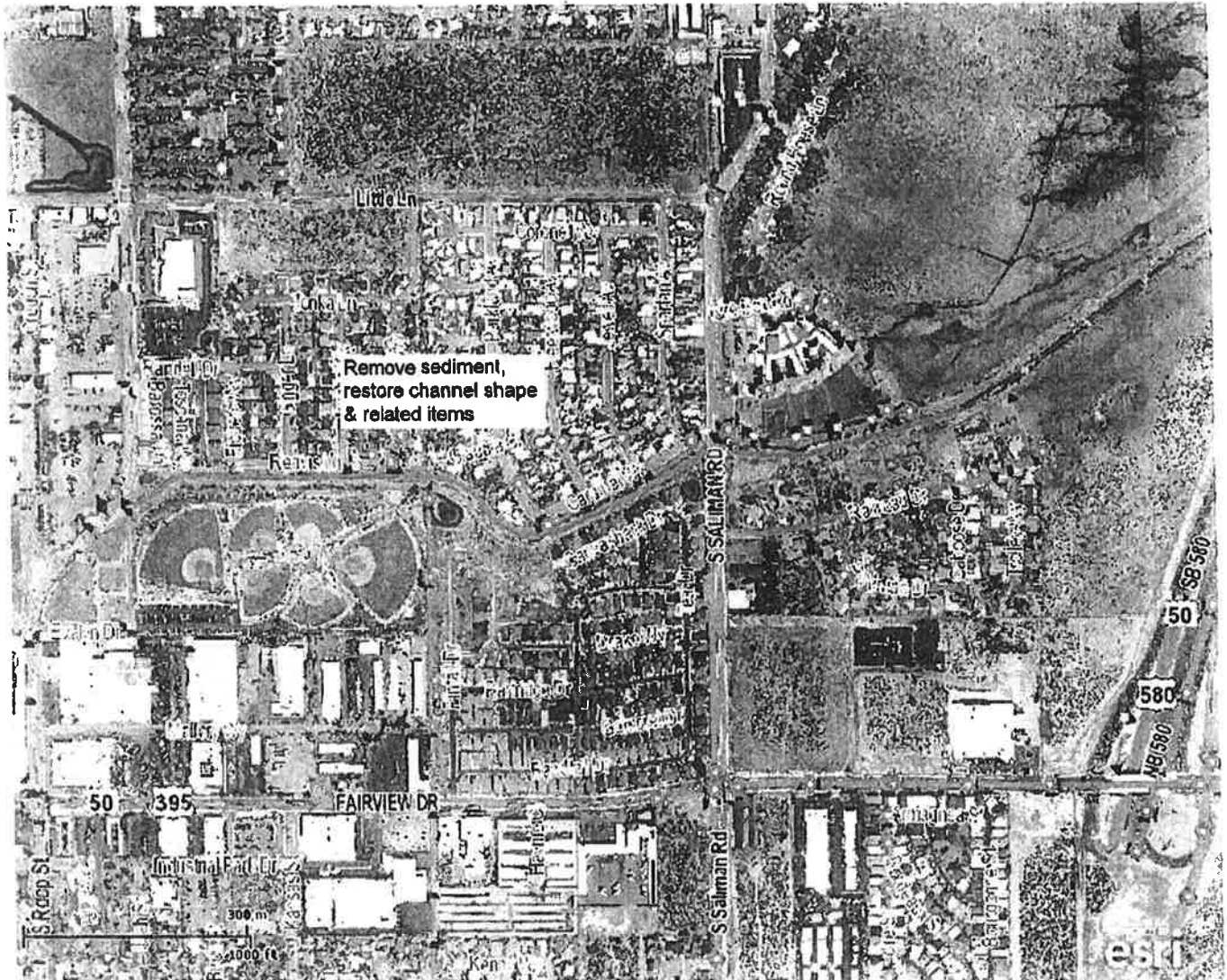
Wed Feb 26 2014 03:27:33 PM.

West Washington Storm Drain Pipe Project Ormsby Boulevard to Richmond



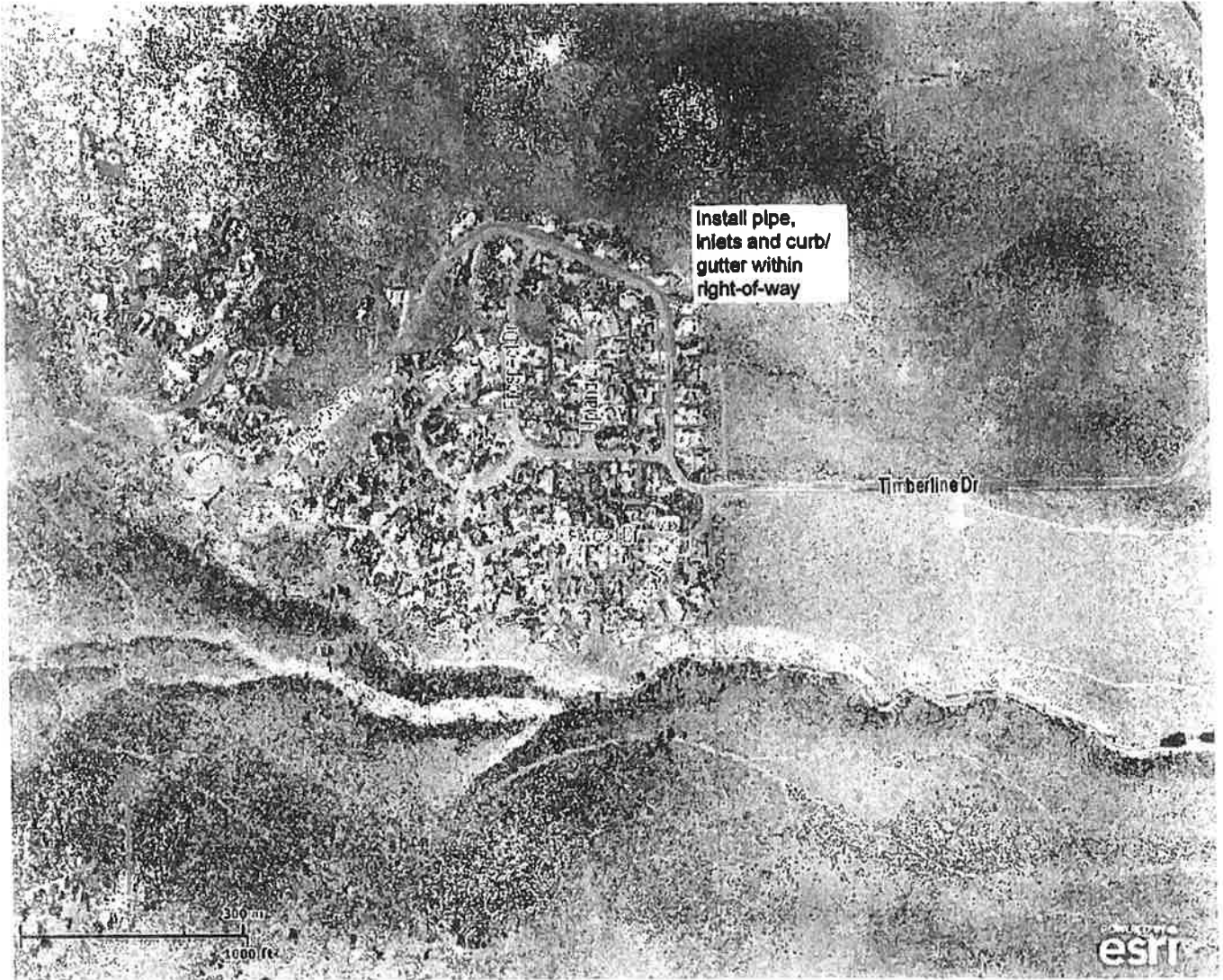
Wed Feb 26 2014 03:21:30 PM.

**WNCC Storm Improvements & Vice Basin Landscaping
Combs Canyon Road & Large Basin South of WNC**



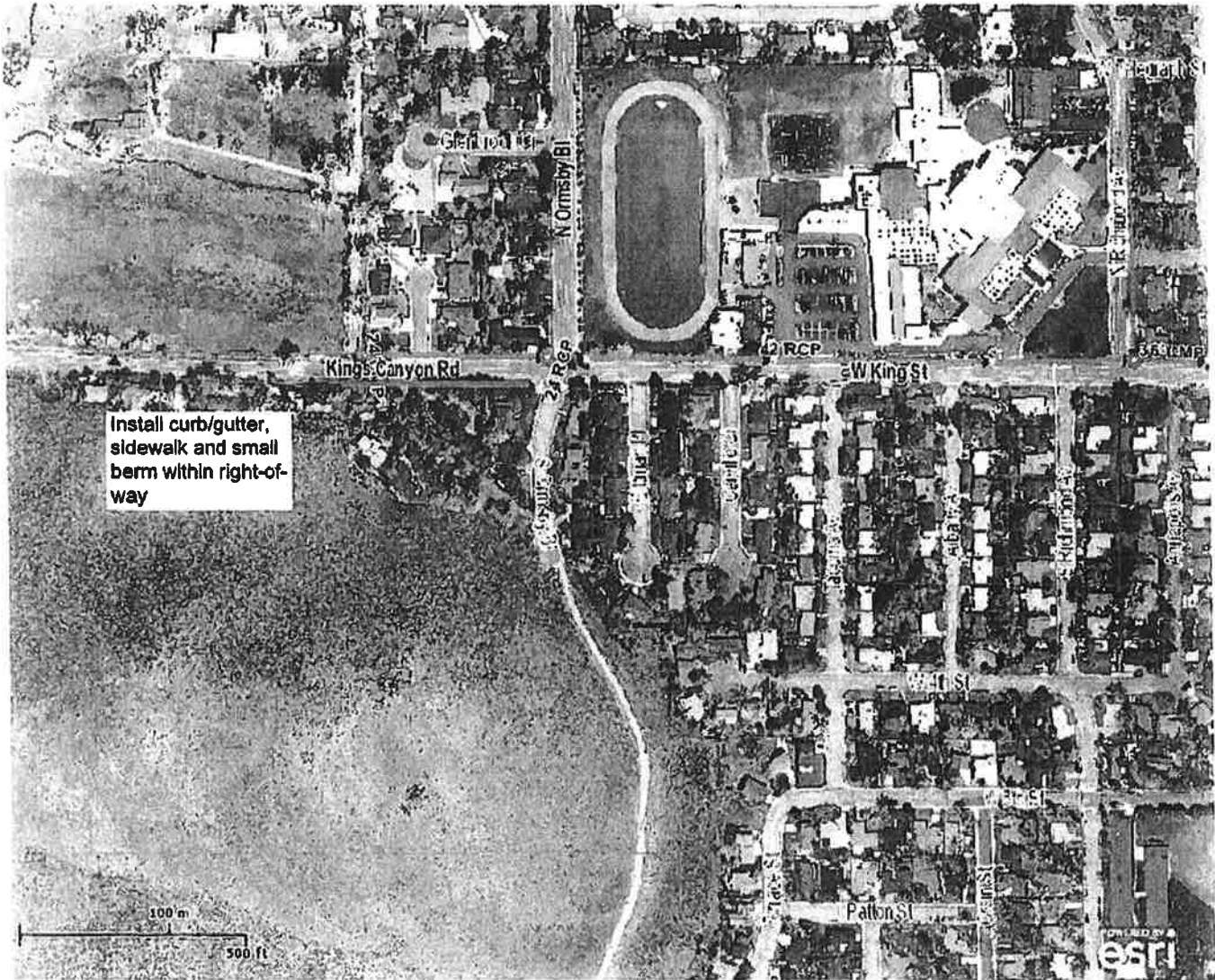
Wed Feb 26 2014 03:34:24 PM.

Kings Canyon Channel Maintenance Project South Roop Street east



Wed Feb 26 2014 03:15:51 PM

Timberline Sediment Control Project Various Streets



Wed Feb 26 2014 03:11:33 PM.

King Street Drainage Improvements West of Ormsby Boulevard



Wed Feb 26 2014 03:01:53 PM.

Lower Goni Wash Water Quality Improvements N Lompa Lane

PCL XL error

Subsystem: GDI

Error: MemAllocError

Operator: ReadImage

Position: 11596

LEO M. DROZDOFF, P.E.
 Director
 Department of Conservation and
 Natural Resources
 REBECCA L. PALMER
 State Historic Preservation Officer

BRIAN SANDOVAL
 Governor

Address Reply to:
 901 S. Stewart St, Suite 5004
 Carson City, NV 89701-5248
 Phone: (775) 684-3448
 Fax: (775) 684-3442

RECEIVED
 ENVIRONMENTAL PROTECTION

STATE OF NEVADA

APR 8 2014



www.nvshpo.org

DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES
 STATE HISTORIC PRESERVATION OFFICE

April 1, 2014

Michelle Stamates, PE
 Drinking Water State Revolving Fund Program
 Nevada Division of Environmental Protection
 901 S. Stewart, STE 4001
 Carson City, Nevada 89701

RE: *Wastewater Treatment Plant Rehabilitation/Upgrades, Sewer Line Replacement, and Storm Water Improvements, Carson City, Nevada.*
 Undertaking #2014-3082

Dear Ms. Stamates:

The Nevada State Historic Preservation Office (SHPO) reviewed the subject undertaking.

According to the subject documents the undertaking consists of the following actions:

1. Rehabilitation of the Wastewater Reclamation Facility including the preliminary/primary treatment secondary treatment, solids handling, and effluent pumping.
2. Repair or replace aging sewer main in the Winnie/Fleischmann, Minnesota Street Area, and along Pheasant Drive.
3. The addition of curbs and gutters.
4. Limited underground storm drain piping.
5. Restoration of catchment basins and channels.
6. Minor storm drain improvements.

In order to determine the archaeological sensitivity of the project area, the SHPO consulted the online statewide archaeological inventory, architectural inventory, and a selection of historic documents and maps. According to these records, the project area has been inventoried for cultural resources and historic properties have been recorded in the vicinity of project area. According to your letter the project area is disturbed. The SHPO would not recommend an archaeological inventory for the proposed undertaking. Historic architectural resources are present in the project area.

19051

The SHPO would conditionally concur with the Environmental Protection Agency's (EPA) determination that the proposed undertaking will not pose an adverse effect to historic properties. This is conditional upon the following:

1. All rehabilitated facilities, structures, and the sewer main replacements are under 50 years of age.
2. The Rehabilitation of the wastewater reclamation facility will not significantly alter the current visual landscape.
3. SHPO reviews of the design plans for the additional curb and gutters, restoration of catchment basins and channels, as well as Stormwater Improvement Projects prior to construction for the following project components in order to ensure that the undertaking does not result in an adverse effect to historic properties:
 - a. Citywide Minor Stormwater Improvement Projects at W. Ann Street and N. Curry Street, which is noted to include "Install pipe, inlets and related items within right-of-way."
 - b. King Street Drainage Improvements at West of Ormsby Boulevard, which is noted to include "Install curb/gutter sidewalk and small berm within right-of-way."
 - c. West Washinton Storm Drain Pipe Project at Ormsby Boulevard to Richmond, which is noted to include "install pipe, inlets, manholes and related items within the right-of-way."
4. There is an archaeological monitor present on location during ground disturbing activities for the following project locations:
 - a. Western Nevada Community College Storm Improvements Vicee Landscaping at the Combs Canyon Road and Large Basin South of Western Nevada Community College, which is noted to include "Install pipe, inlets and curb/gutter within right-of-way" as well as "Natural landscaping around inside slope of basin."
 - b. South Carson Street Stormwater System Improvements at Rhodes Street to USFS, which is noted to include "install pipe, resize existing basin and related items."
 - c. Citywide Minor Stormwater Improvement Projects at Snyder Avenue and S. Edmonds Drive, which is noted to include "install valley gutter with trench drain."
5. The following project components have no conditions for a determination of no adverse effect:
 - a. Timberline Sediment Control Project at Various Streets, which is noted to include "Install pipe, inlets and curb/gutter within right-of-way."

Michelle Stamates

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April 1, 2014

- b. Lower Goni Wash Water Quality Improvements at N. Lampa Lane, which is noted to include "Improve existing berms and install outlet control."
- c. Citywide Minor Stormwater Improvements Projects at E. Clearview Drive and S. Edmonds Drive, which is noted to include "Install pipe, inlets and related items within right-of-way."

The SHPO cannot concur with the EPA's determination that the following actions under the proposed undertaking will not pose an adverse effect to historic properties:

1. Kings Canyon Channel Maintenance Project at South Rook Street East. This is because this channel is over 50 years of age and other segments of this historic ditch have been determined eligible for the National Register of Historic Places. Additional identification work by a cultural resource professional is needed for the SHPO to review this portion of the undertaking.
2. Lakeview Storm Drain Upgrade Improvements at Various Locations. This is because it is currently unclear where these upgrades will occur.

The SHPO reminds the EPA that the agency must consult with Native American representatives concerning properties of religious or cultural significance that could be affected by the undertaking (36 CFR Part 800.4.a.4.). What efforts have been made to provide these representatives with an opportunity to comment on this undertaking?

The SHPO reminds the EPA that the agency must consult with affected members of the public and representatives of organizations that have a demonstrated interest in historic properties that could be affected by the undertaking (36 CFR Part 800.4.c.5.). What efforts have been made to provide these representatives, such as National Park Service – National Trails Office, the Oregon-California Trail Association, USDA-Forest Service Carson City, and the Carson City's Historic Resources Commission with an opportunity to comment on this undertaking?

If any buried or previously unidentified resources are located during the project activities, the SHPO recommends that all work in the vicinity of the find cease and this office be contacted for additional consultation per 36 CFR 800.13.b.3.

Should you have any questions concerning this correspondence, please contact Jessica Axsom at (775)684-3445 or by e-mail at jaxsom@shpo.nv.gov.

Sincerely,



Julie H. Ernstein, Ph.D., RPA
Deputy State Historic Preservation Officer

19051

**A Cultural Resources Report for Proposed Clean Water State Revolving
Fund 2014 Sewer Replacement and Storm Water Improvements, Carson
City, Nevada**

Prepared By:
Michael Drews
Project Archaeologist
Great Basin Consulting Group, LLC
Project Number:

Submitted To:
David Bruketta
Carson City Public Works

September 3, 2014



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List of Attachments

Attachment 1 – Figures

PROJECT DESCRIPTION

Project Background

Carson City proposes to utilize State Revolving Funds to upgrade portions of the Carson City Wastewater Reclamation Facility (WRF), replace aging sewer lines and upgrade storm water drainage. The majority of the loan funding will be used for rehabilitation of the WRF. This project includes rehabilitation of the preliminary/primary treatment, secondary treatment, and solids handling and effluent pumping as well as overall site improvements. Funding will also be used to repair or replace aging sewer main in the vicinity of Winnie and Fleischmann Streets, Minnesota Street, and along Pheasant Drive to reduce infiltration.

The remaining loan funds will be used for storm water drainage and quality improvements throughout Carson City. Improvements are proposed in the Kings Canyon, West Washington Street, Western Nevada Community College, Timberline Drive, King Street, Lower Goni Wash, Lakeview Road, Carson Street, Curry Street, and South Edmonds Drive areas. Various improvements at these locations may include: the addition of curb and gutter, limited underground storm drain piping, restoration of catchment basins and channels, and minor storm drain improvements. The new and replacement storm water improvements will be installed in already disturbed areas and existing street rights-of-way. Storm water projects should help minimize inflow and help the City maintain compliance with its National Pollution Discharge System permit.

NDEP has previously assessed the potential environmental effects of the proposed project and determined that the project is eligible for a finding of no significant impact because it is unlikely to have a negative effect on the quality of the environment and an environmental impact statement is not required. To comply with section 106 of the National Historic Preservation Act, NDEP forwarded their findings to Nevada SHPO for review. For the most part, SHPO concurred that the proposed project would have no effect on historic properties, with the following conditions:

1. All rehabilitated facilities, structures, and the sewer main replacements are under 50 years of age.
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 - b. King Street Drainage Improvements at West of Ormsby

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- c. West Washington Storm Drain Pipe Project at Ormsby Boulevard to Richmond, which is noted to include "install pipe, inlets, manholes and related items within the right-of-way."
4. There is an archaeological monitor present on location during ground disturbing activities for the following project locations:
 - a. Western Nevada Community College Storm improvements Vicee Landscaping at the Combs Canyon Road and Large Basin South of Western Nevada Community College, which is noted to include "Install pipe, inlets and curb/gutter within right-of-way" as well as "Natural landscaping around inside slope of basin."
 - b. South Carson Street Storm Water System Improvements at Rhodes Street to USFS, which is noted to include "install pipe, resize existing basin and related items."
 - c. Citywide Minor Storm Water Improvement Projects at Snyder Avenue and S. Edmonds Drive, which is noted to include "install valley gutter with trench drain."
 5. The following project components have no conditions for a determination of no adverse effect:
 - a. Timberline Sediment Control Project at Various Streets, which is noted to include "Install pipe, inlets and curb/gutter within right-of-way."
 - b. Lower Goni Wash Water Quality Improvements at N. Lompa Lane, which is noted to include "Improve existing berms and install outlet control."
 - c. Citywide Minor Storm Water Improvements Projects at E. Clearview Drive and S. Edmonds Drive, which is noted to include "Install pipe, inlets and related items within right-of-way."

The SHPO did not concur with the EPA's determination that the following actions under the proposed undertaking will not pose an adverse effect to historic properties:

1. Kings Canyon Channel Maintenance Project at South Roop Street East. This is because this channel is over 50 years of age and other segments of this historic ditch have been determined eligible for the National Register of Historic Places. Additional identification work by a

cultural resource professional is needed for the SHPO to review this portion of the undertaking.

2. Lakeview Storm Drain Upgrade Improvements at Various Locations. This is because it is currently unclear where these upgrades will occur.

SHPO also directed NDEP and the Carson City Public Works Department to solicit comments from the Carson City Historic Resources Commission regarding the project.

To comply with SHPO's conditional approval, the Carson City Public Works Department engaged Great Basin Consulting Group, LLC. to conduct a Class I Cultural Resource Inventory in the vicinity of the proposed projects for the purpose of providing a staff report to the Carson City Historic Resources Commission, and addressing and clarifying SHPO's concerns.

Environmental Background

The project area is scattered within the developed urban area of Carson City. The West Side Historic District and several individual properties are listed on the National Register of Historic Places. The Nevada State Prison and portions of the Virginia and Truckee Railroad are considered eligible to the National Register, but not currently listed.

Area of Potential Effect Definition

All proposed development will occur within previously disturbed areas. A 15 foot buffer defines areas of direct construction effects. Several sewer lines scheduled for replacement are more than 50 years old and will be effected by the proposed actions. Since the Nevada State Prison lies within the view shed of above ground improvements to the WRF, the Area of Direct Potential Effect (APE) is defined as a ¼ mile view shed surrounding that property. The remaining sewer and storm water treatments are will replace or repair existing facilities. Replacement of existing buried sewer lines will have no visual effect on surrounding properties.

METHODS

A search of architectural and archaeological records available within the Nevada Cultural Resource Inventory System (NCVRIS), and architectural records archived at SHPO and Carson City Community Development were checked historic properties and previous inventories within the project area. Historic aerial photographs, topographic maps, and GLO plats were also reviewed. Field photography was utilized for an assessment of visual effects.

RESULTS OF THE INVENTORY

Wastewater Reclamation Facility

The Wastewater Reclamation Facility is located along the north side of 5th Street between Airport Road and Fairview Drive. Structures within the facility are one cinderblock buildings and two story tall treatment tanks located behind an eight foot tall cinderblock fence (Figure 1). Prior to development of the treatment plant in the 1960s, 5th Street extended along an east/west line north of the Nevada State Prison. By 1967, a curve was placed in the road (Figure 2). The old road alignment would have been located atop the eastbound travel lane of the current roadway. An 1150 foot long rock wall separates the barrier fence from 5th Street (see Figures 3-6). The wall lies 40 feet from the existing road shoulder and approximately 60 feet north of the original road alignment. It stands 3-4 feet tall, three feet wide, and is constricted of loose sandstone rubble. A driveway into the WRF breaks the alignment. The western section stands three feet tall with dirt filling an opening between single width walls. The eastern section is capped with concrete slabs. It stands 4 feet tall. A taller angled wall lies 75 feet north of the rock wall. It is 7 feet tall, four feet wide and 100 feet long. Three courses of concrete slab are interspersed with the dominant sandstone rubble.

No documentation exists on the date of wall construction, but some repair work was completed by city crews during the 1990s. A 1953 aerial photograph shows open ground and no wall in the vicinity of the WRF location (Figure 7). By 1967, a hint of the taller wall is visible near the entrance to the new treatment facility (Figure 8). Remnant portions of the straight 5th Street alignment are visible on Nevada State Prison property near the 5th Street bend, and no evidence of the rock wall occurs in that area. From historic aerial photographs and physical evidence, it is assumed that the wall dates to the construction of the treatment facility and is less than 50 years of age.

Sewer Replacement Lines

Four sewer lines are recommended for replacement as part of the project (Figure 9-12). Three of the lines are located on the west side of Carson City, but outside of the West Side Historic District. Remaining lines are located on the east side of Carson City near Pheasant Drive. Figures 9-12 show replacement lines that are 50 years of age or older. None of the lines near Pheasant Drive meet that criteria.

Storm Water Drainage Upgrades

Storm water drainage upgrades are proposed for eleven locations in Carson City (Figure 13-23). Modifications include installation of various treatments including curb and gutter, corrugated pipe, detention basin cleaning, and vegetation enhancements. One improvement at Ann and Curry Street (Figure 13) lies within the West Side Historic District. It consists of installing a gutter across Ann Street. It will not effect historic properties.

Improvement of berms and landscaping are proposed in Vicee Canyon behind Western Nevada Community College and throughout Silver Oak (Figure 14). Existing detention basins and berms will be subject to improvements. A rail road camp, associated with Chinese workers and construction of the Virginia and Truckee Railroad lies on a bench north of the Vicee Canyon improvements. It is outside of the area of potential effect, but could be effected by maintenance activities.

Storm Water improvements in the Lakeview area include resizing several detention basins (Figure 15). One lying along the abandoned Virginia and Truckee Railroad grade lies between the Lakeview Interchange on Carson Tahoe Hospital. It was constructed as part of the railroad and could be considered as a contributing element to the grade as part of a National Register district. Maintenance in that area may effect historic properties.

Storm water upgrades in the vicinity of Rhodes Street lie adjacent to the Nevada State Railroad Museum. Several pieces on display at the museum as well as the Wabuska Station are listed on the National Register of Historic Places. Maintenance activities will occur within existing detention basins and culverts. The proposed activities will have no effect on listed properties.

The remaining areas proposed for storm water drainage upgrades are not associated with historic properties. The Kings Canyon maintenance project adjacent to Governor's field is less than 50 years of age, and undergoes routine cleaning. No modification of the current alignment is anticipated.

Visual Effects

An assessment of visual effects was completed for proposed additions to the WRF. The view shed from the Nevada State Prison includes existing WRF facilities and the Carson City Corporate Yard. Proposed additions conform to the scale and mass of existing buildings and structures and will have no effect the Nevada State Prison view shed (Figure 24).

MANAGEMENT RECOMMENDATIONS

In a preliminary review of the proposed project, Nevada SHPO concurred with a determination of no effect with several conditions. The current review has clarified several questions posed by SHPO and poses some revision to their conditions and findings. We recommend the following modifications and additions to SHPO conditions:

1. All rehabilitated facilities, structures, and the sewer main replacements are under 50 years of age. - *The rock wall associated with the WRF does not meet National Register age criteria. Several sewer mains have been identified as older than 50 years of age. The following conditions are required to address potential adverse effects to sewer lines older than 50 years of age:*
 - a. *A monitor should be present during replacement of older sewer lines to document representative portions of those alignments.*
 - b. *Documentation will consist of a narrative that describes construction materials and design of the sewer alignment to be replaced;*
 - c. *A map depicting those alignments;*
 - d. *Photographs of representative sections of each historic alignment.*
2. The Rehabilitation of the wastewater reclamation facility will not

significantly alter the current visual landscape. - *Concur*

3. SHPO reviews of the design plans for the additional curb and gutters, restoration of catchment basins and channels, as well as Storm Water Improvement Projects prior to construction for the following project components in order to ensure that the undertaking does not result in an adverse effect to historic properties:
 - a. Citywide Minor Storm Water Improvement Projects at W. Ann Street and N. Curry Street, which is noted to include "install pipe, inlets and related items within right-of-way."
 - b. King Street Drainage Improvements at West of Ormsby Boulevard, which is noted to include "install curb/gutter sidewalk and small berm within right-of-way."
 - c. West Washington Storm Drain Pipe Project at Ormsby Boulevard to Richmond, which is noted to include "install pipe, inlets, manholes and related items within the right-of- way."

Proposed improvements noted above are confined to existing disturbance and those improvements are less than 50 years old. The project will have no effect on historic properties.

4. There is an archaeological monitor present on location during ground disturbing activities for the following project locations:
 - a. Western Nevada Community College Storm improvements Vicee Landscaping at the Combs Canyon Road and Large Basin South of Western Nevada Community College, which is noted to include "Install pipe, inlets and curb/gutter within right-of-way" as well as "Natural landscaping around inside slope of basin."
Storm Water upgrades are confined to existing berms and basins. A construction fence should be placed along the north bank of Vicee Canyon to restrict access to the construction camp above the drainage (Figure 25).
 - b. South Carson Street Storm Water System Improvements at Rhodes Street to USFS, which is noted to include "install pipe, resize existing basin and related items."
Activities are confined to existing detention basins and culverts. The project will have no effect on historic properties.

- c. Citywide Minor Storm Water Improvement Projects at Snyder Avenue and S. Edmonds Drive, which is noted to include "install valley gutter with trench drain."
Minor improvement proposed for disturbed road shoulders along Snyder and Edmonds. The project will have no effect on historic properties.

- 5. The following project components have no conditions for a determination of no adverse effect:
 - a. Timberline Sediment Control Project at Various Streets, which is noted to include "Install pipe, inlets and curb/gutter within right-of-way."
 - b. Lower Goni Wash Water Quality Improvements at N. Lompa Lane, which is noted to include "Improve existing berms and install outlet control."
 - c. Citywide Minor Storm Water Improvements Projects at E. Clearview Drive and S. Edmonds Drive, which is noted to include "Install pipe, inlets and related items within right-of-way."

Concur with a, b, and c.

The SHPO did not concur with the EPA's determination that the following actions under the proposed undertaking will not pose an adverse effect to historic properties:

- 1. Kings Canyon Channel Maintenance Project at South Roop Street East. This is because this channel is over 50 years of age and other segments of this historic ditch have been determined eligible for the National Register of Historic Places. Additional identification work by a cultural resource professional is needed for the SHPO to review this portion of the undertaking.
Linear ditch is less than 50 years old and subject to routine maintenance. Project will have no effect on historic properties.
- 2. Lakeview Storm Drain Upgrade Improvements at Various Locations. This is because it is currently unclear where these upgrades will occur.
Minor additions of curb and gutter in disturbed right-of-way. Project will have no effect on historic properties.
One detention basin scheduled for maintenance is associated with the Virginia and Truckee railroad Grade (Figure 26). Maintenance activities in that area may have an adverse effect on existing features that are considered contributing elements of the grade as an historic property or reveal additional features associated with the railroad grade. The following conditions are required to address

potential adverse effects to the Virginia and Truckee Railroad Grade:

- a. An archaeological monitor should be present during maintenance activities adjacent to the railroad grade.*
- b. Any features such as culverts or construction materials associated with the railroad grade should be documented;*
- c. That narrative should be appended to existing site records for the Carson City portion of the railroad grade and submitted to SHPO.*

Inadvertent Discovery

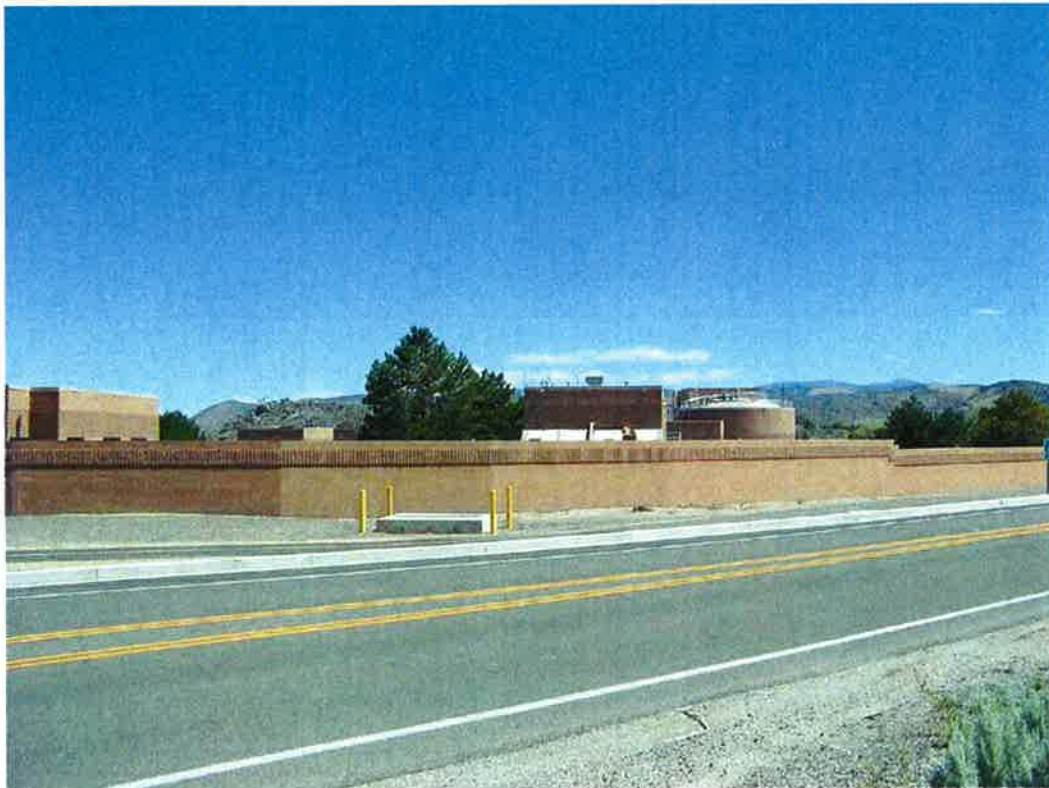
If any buried or previously unidentified resources are located during the project activities, the SHPO recommends that all work in the vicinity of the find cease and this office be contacted for additional consultation per 36 CFR 800.13.b.3.

ATTACHMENT 1

Figures

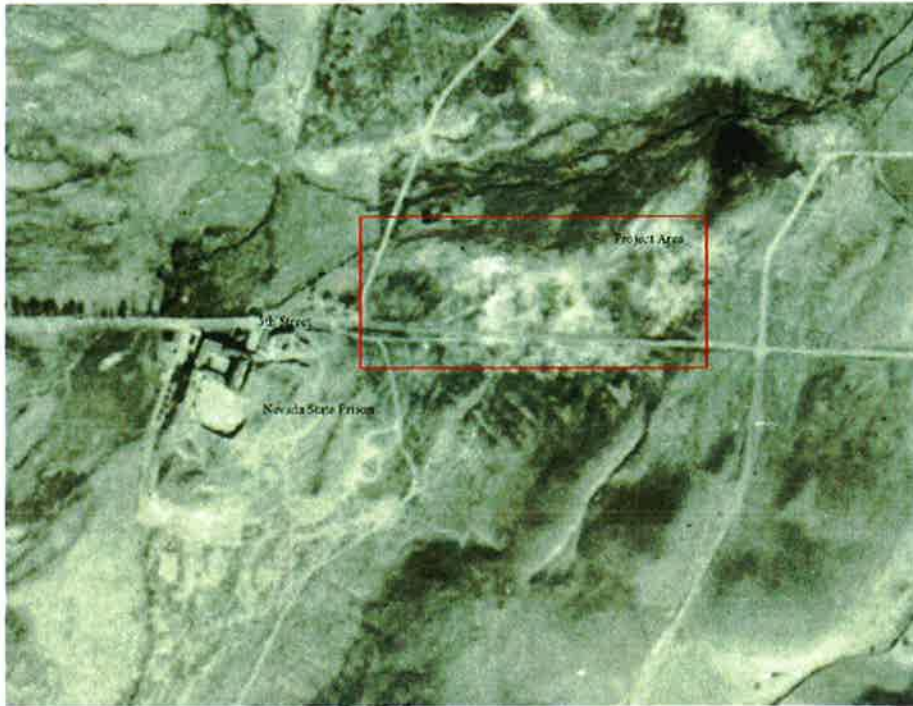


Aerial View of Wastewater Reclamation Facility (Google Earth)



Wastewater Reclamation Facility from Airport and 5th Street, view east.

Figure 1. Wastewater Reclamation Facility.



Aerial View of Wastewater Reclamation Facility (1956 Aerial Photo)



Aerial View of Wastewater Reclamation Facility (1967 Aerial Photo)

Figure 2. Aerial View of 5th Street Curve.



Figure 3. Rock wall along 5th Street. East Segment at WRF Driveway. View East



Figure 4. Rock wall along 5th Street. West Segment at WRF Driveway. View West



Figure 5. Rock wall adjacent to WRF view West.



Figure 6. East and North Side of Rock wall adjacent to WRF view West.

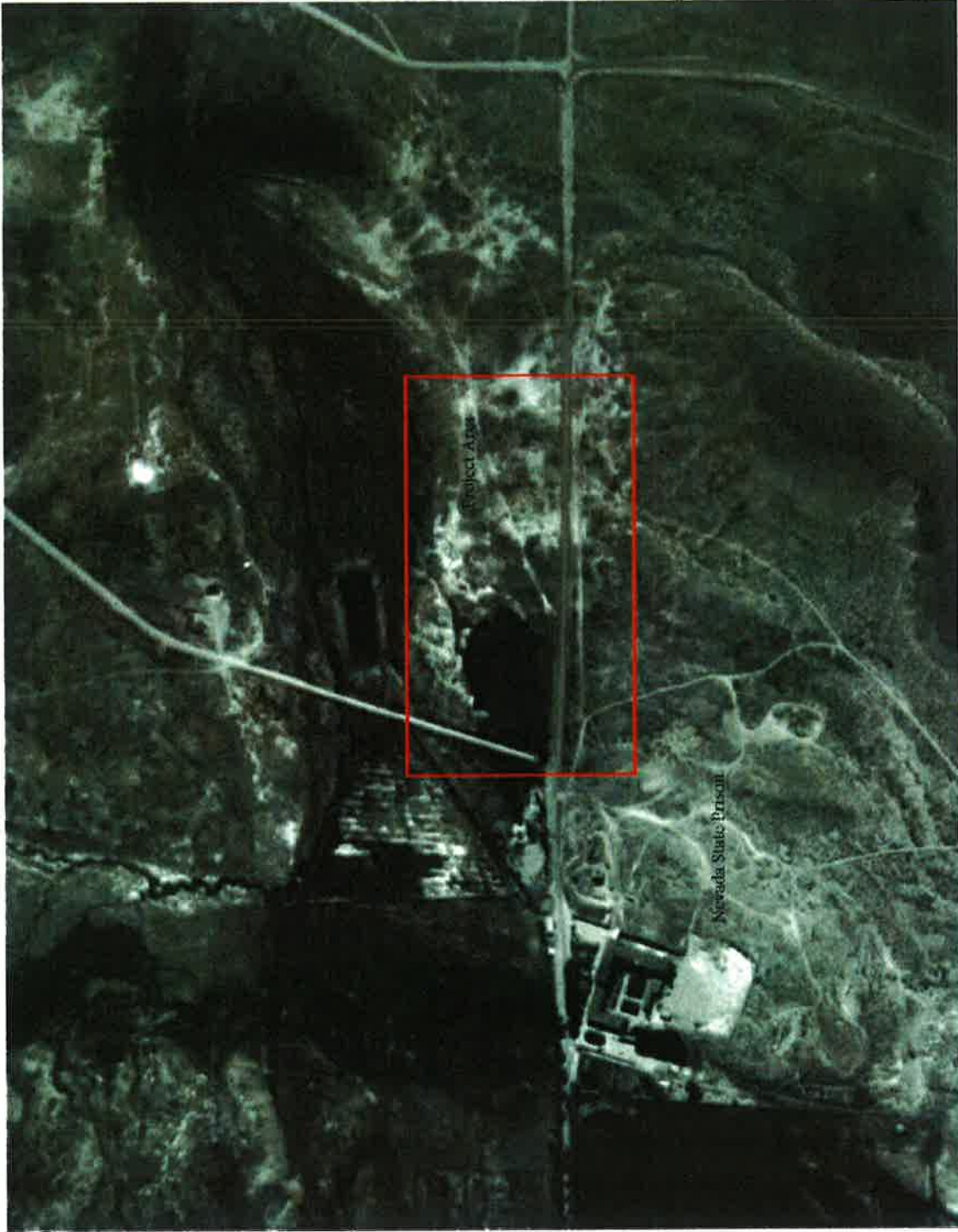


Figure 7. Aerial View of Wastewater Reclamation Facility (1953 Aerial Photo)

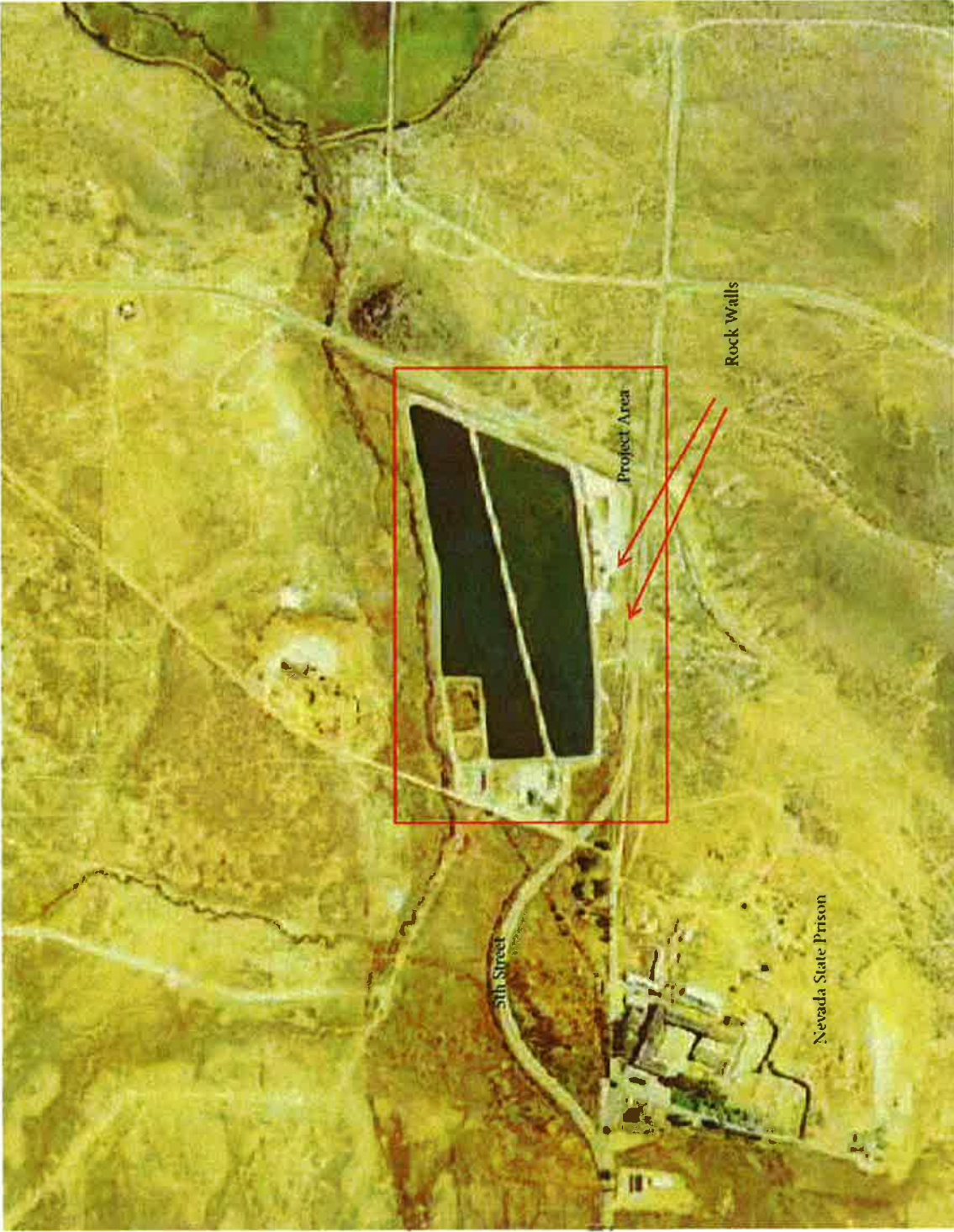


Figure 8. Aerial View of Wastewater Reclamation Facility Showing Rock Walls (1967 Aerial Photo)

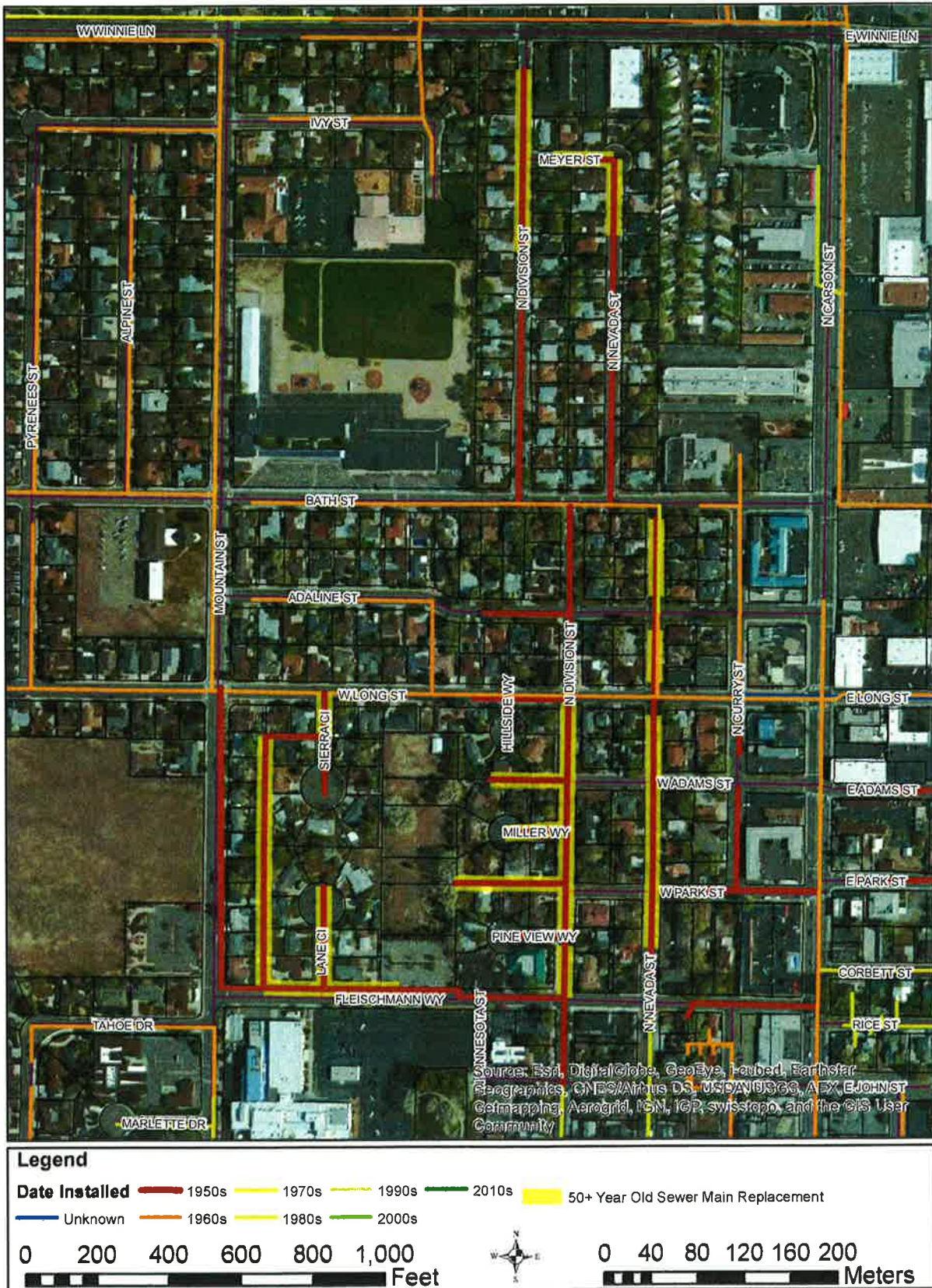


Figure 9. Sewer Main Replacement (Division Street Area)

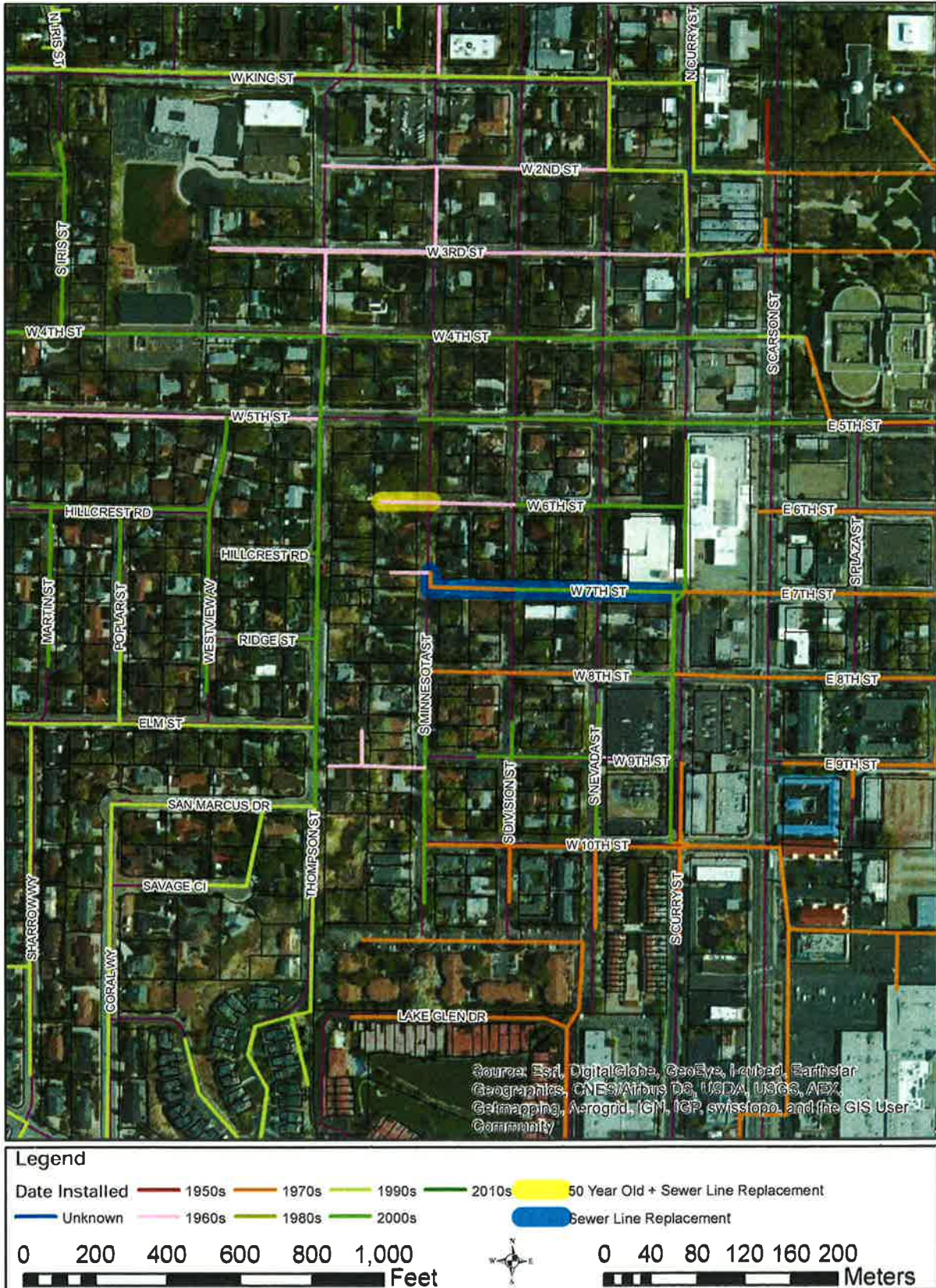


Figure 10. Sewer Main Replacement (Minnesota Street Area)

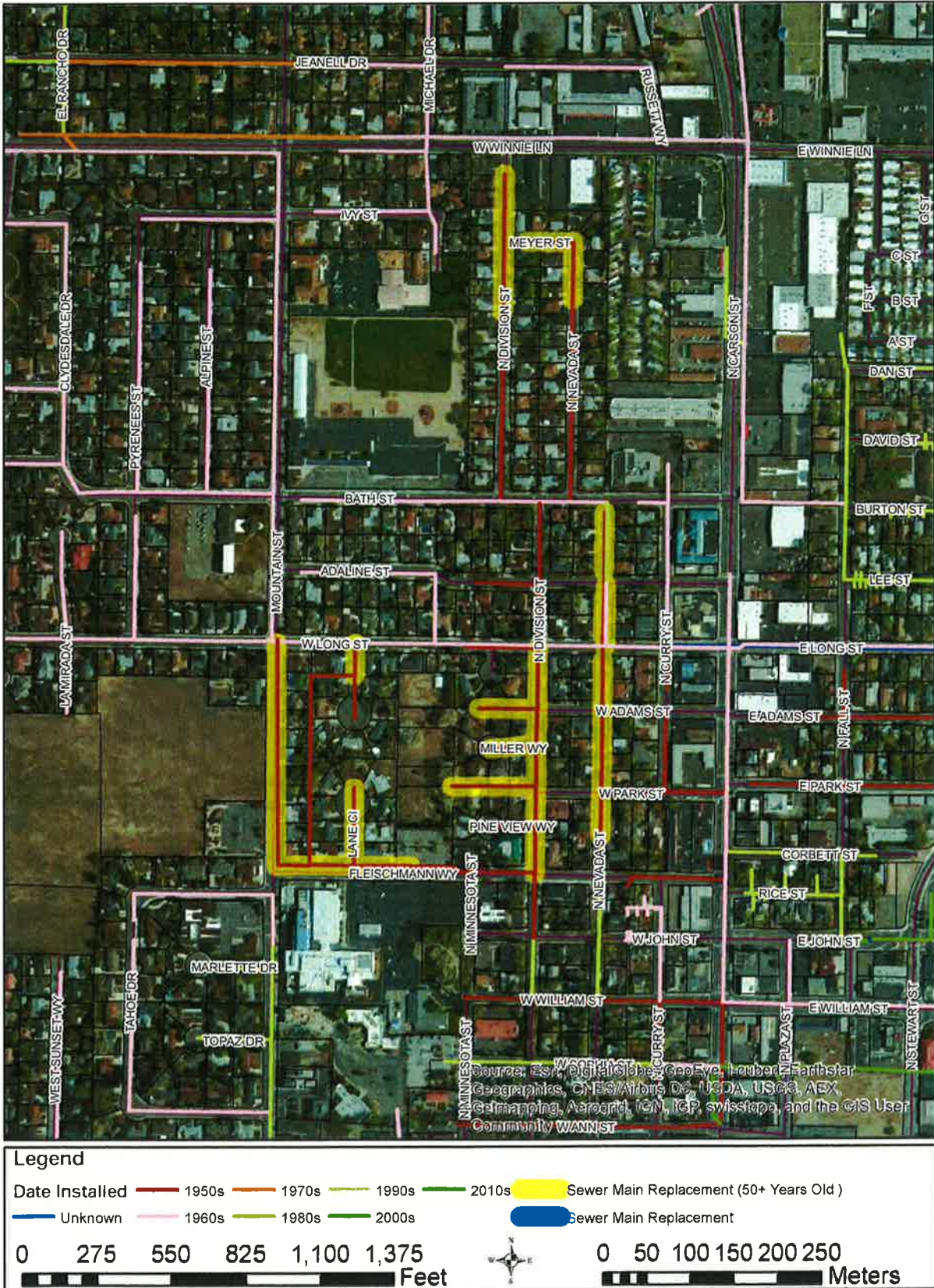


Figure 11. Sewer Main Replacement (Winnie Fleischman Area)

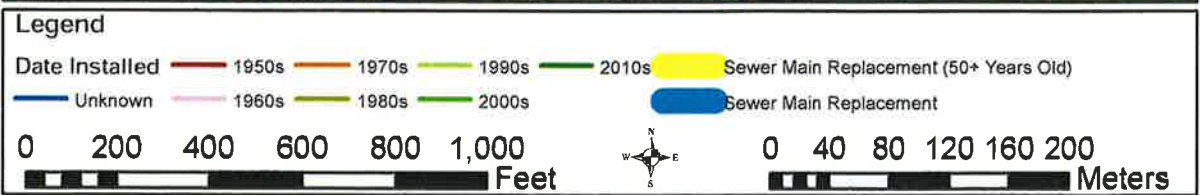


Figure 12, Sewer Main Replacement (Pheasant Drive Slipline)

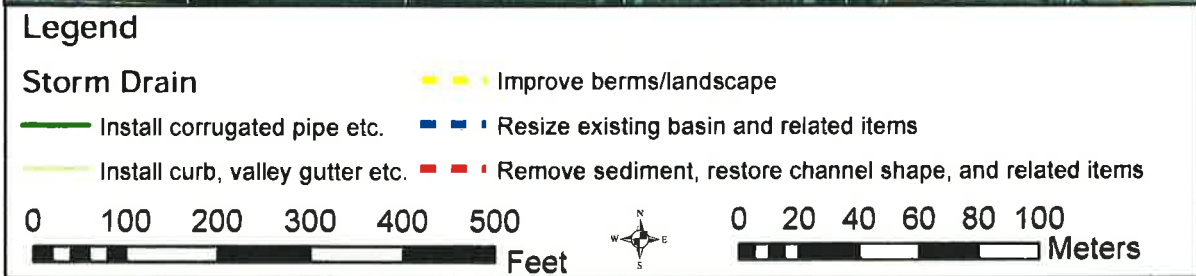


Figure 13. West Ann and North Curry Stormwater Improvements.



Figure 14. WNCN Storm Water Drainage Improvements.

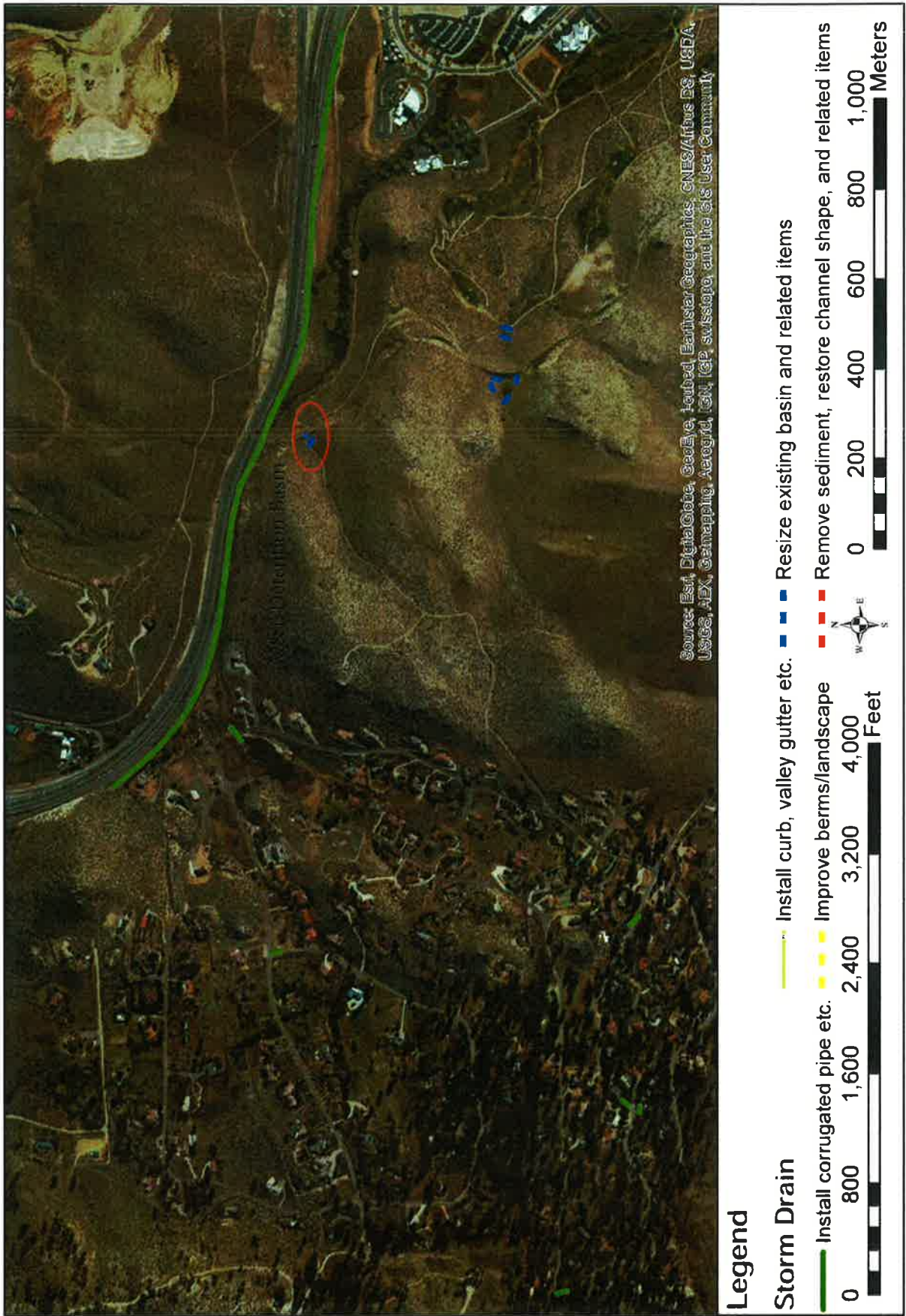


Figure 15. Lakeview Stormwater Improvements

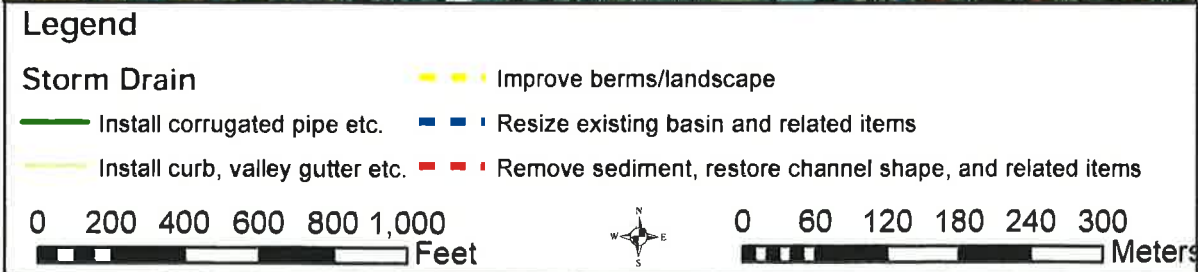


Figure 16. South Carson Street and Rhodes Street Stormwater Improvements.



Figure 17. Kings Canyon Channel Maintenance and Berm Improvements.



Figure 18. West Washington Storm Drain.

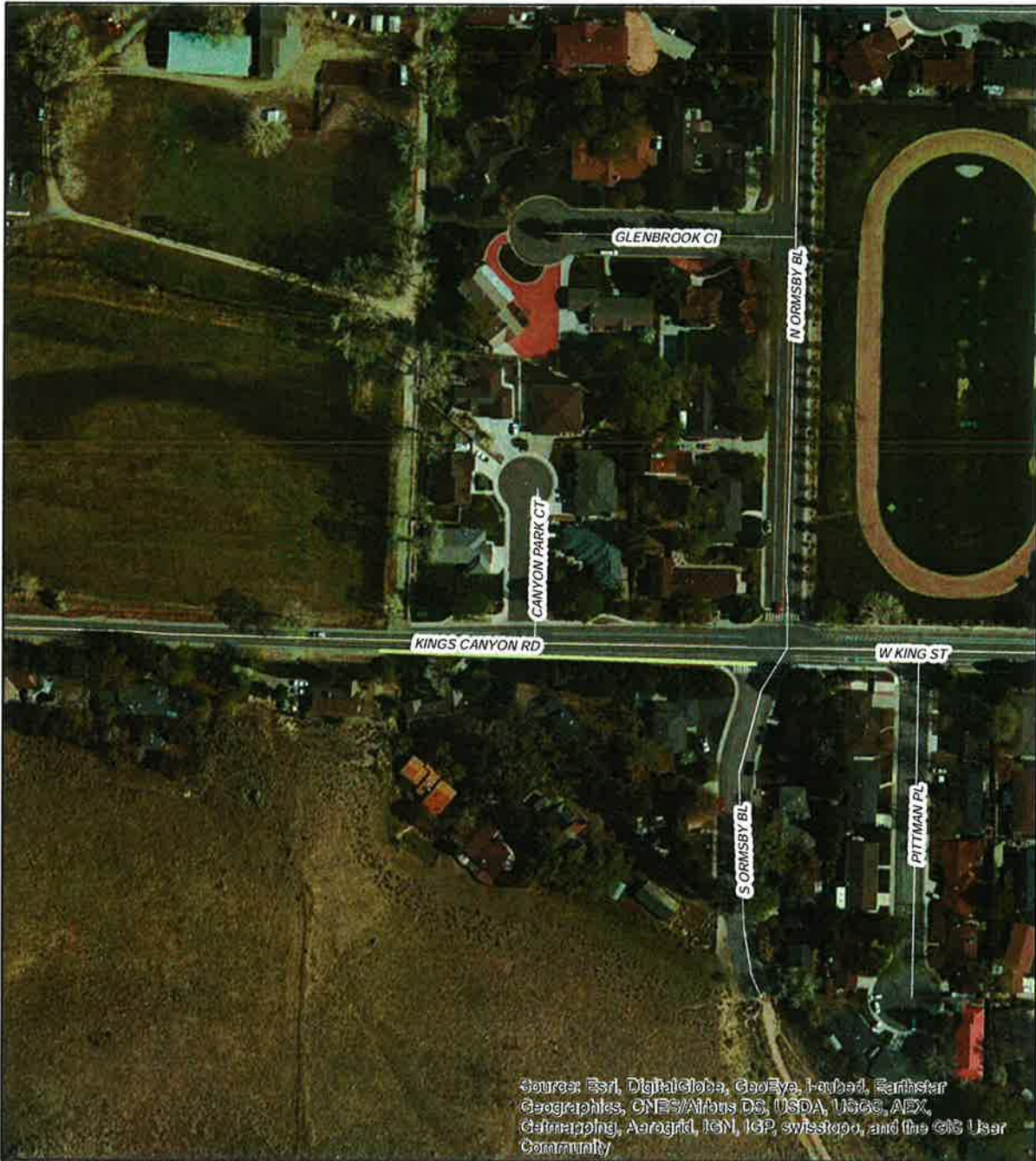


Figure 19. Kings Street Drainage Improvements.

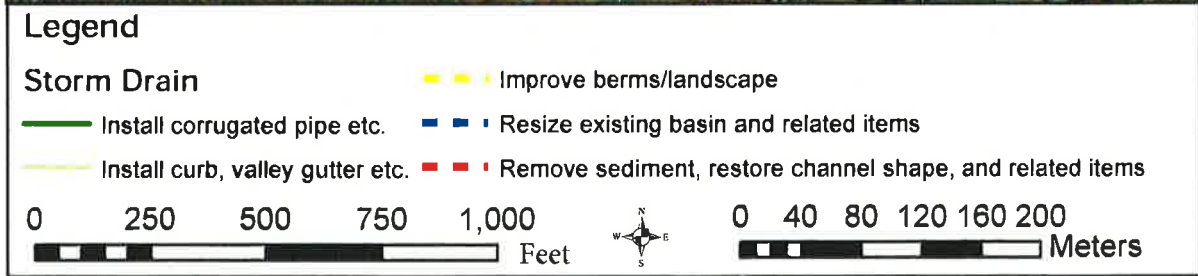


Figure 20. East Clearview and South Edmonds Stormwater Improvements.



Figure 21. Snyder and South Edmonds Stormwater Improvements.



Figure 22. Lower Goni Wash Improvements

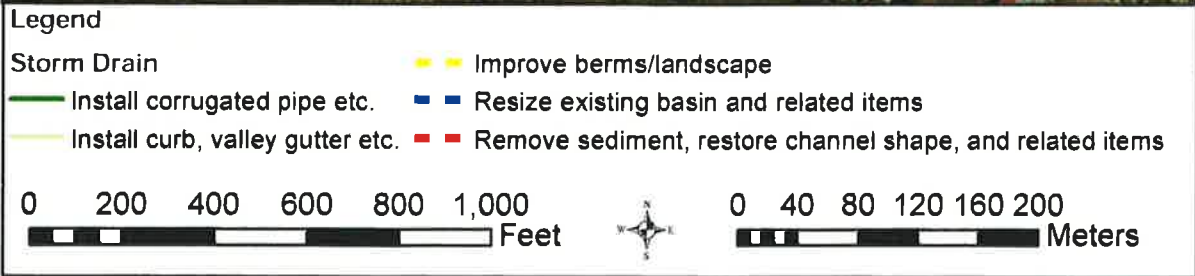
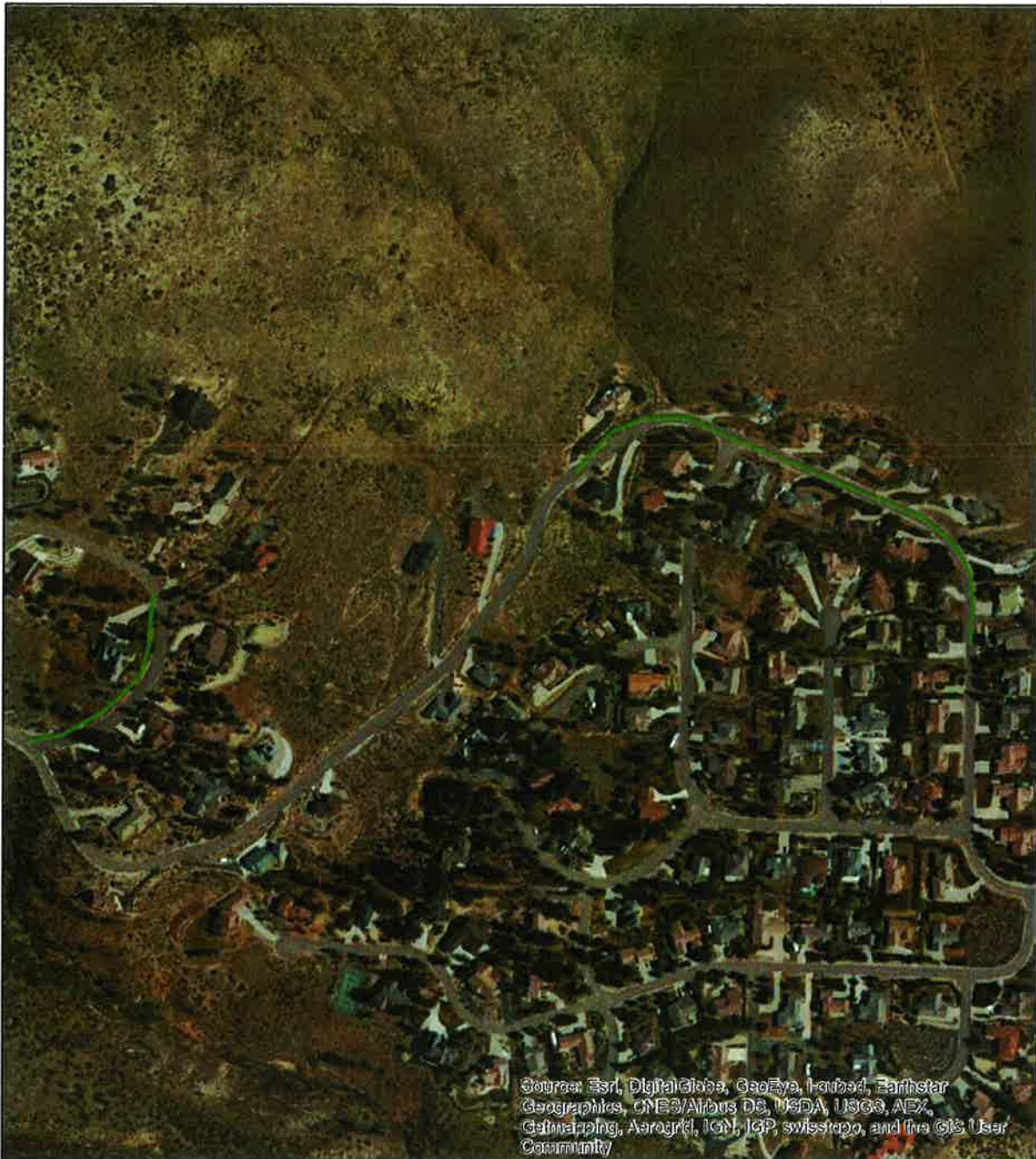
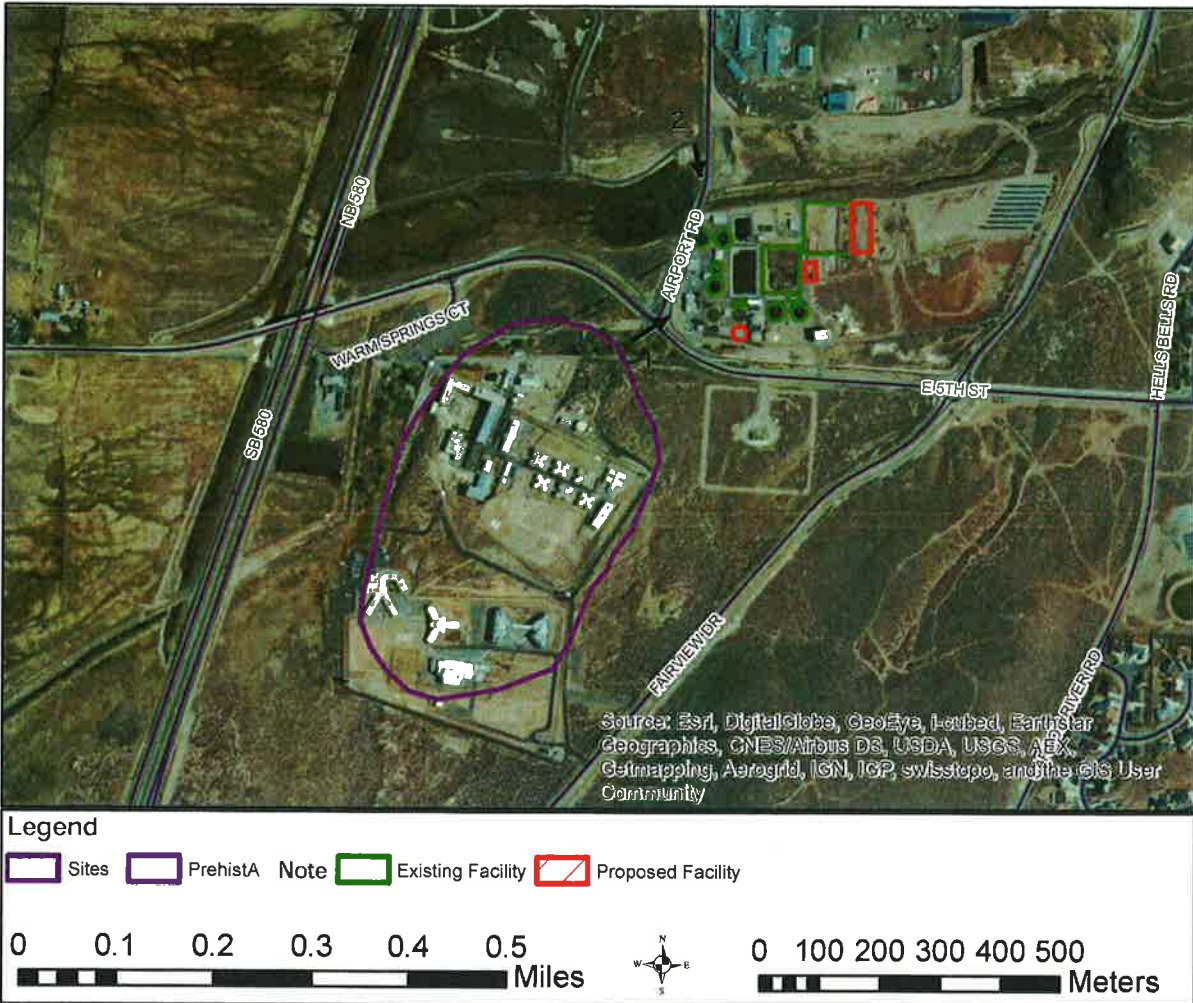


Figure 23. Timberline Sediment Control.



Wastewater Reclamation Facility (WRF) Rehabilitation.



View from E. 5th Street and Airport Road, Point 1 (Nevada State Prison)

View from Airport Road, Point 2 (SE corner 26OR131)

Figure 24. Wastewater Reclamation Facility View shed.



Figure 25. Vicee Canyon Construction Avoidance Fence.

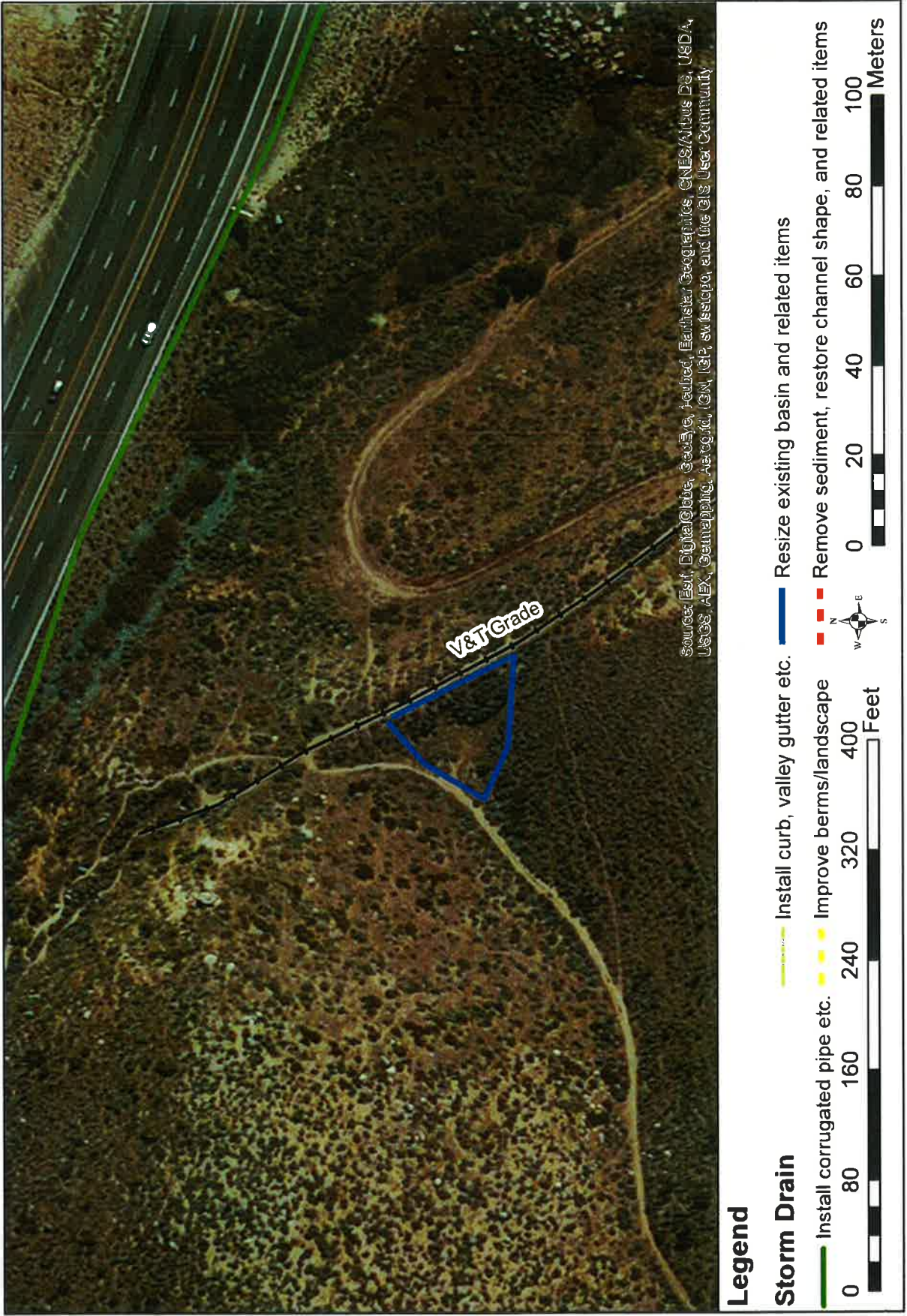


Figure 26. Virginia and Truckee Railroad Grade Monitoring Location