

RECLAMATION

Managing Water in the West

Categorical Exclusion Checklist

Southwest Gas Pipeline Abandonment and Replacement at Truckee Canal V Line

LO-2012-1019

Prepared by:

Roberta Tasse

Roberta Tasse
Natural Resources Specialist
Mid Pacific Region
Lahontan Basin Area Office

Date: 5-12-15

Concurred by:

See Attachment A
Native American Affairs Program Manager
Mid Pacific Regional Office
Division of Resources Management

Date: See Attachment A

Concurred by:

See Attachment B
Architectural Historian
Mid Pacific Regional Office
Environmental Affairs Division

Date: See Attachment B

Recommended by:

Rena Ballew

Rena Ballew
Resources Division Manager
Mid Pacific Region
Lahontan Basin Area Office

Date: 5/12/2015

Approved by:

Terri A. Edwards

Terri A. Edwards
Area Manager
Mid Pacific Region
Lahontan Basin Area Office

Date: 5/12/2015

BUREAU OF RECLAMATION
CATEGORICAL EXCLUSION CHECKLIST
Mid-Pacific Region - Lahontan Basin Area Office

Project Name: CEC for SWG Pipeline Abandonment and Replacement at V Line Canal

CEC Number: LO-2012-1019

Cost Authority: 15XR0680A2 RX191249991000000

Date: 5/12/2015

Exclusion Category:

516 DM 14.5 D.1 – Maintenance, rehabilitation, and replacement of existing facilities which may involve a minor change in size, location, and/or operation.

Nature of Action and Location: Southwest Gas Corporation (SWG) is proposing to abandon in-place and replace portions of an existing natural gas pipeline adjacent to the V-line canal. This project was designed to maintain the existing pipeline that currently serves customers on the west side of Fallon. The proposed project is located within Casey Road, in the S½ of Section 26, NW¼ of Section 35, T. 19N, R. 28E, MDM, Churchill County, NV. Figure 1 presents the site location.

The Proposed Action includes the following:

For the *acquired portion of this project owned in fee title*, SWG is proposing to install 2,060 feet of 2" polyethylene pipe main, which will be inserted into existing 2" polyvinyl chloride pipeline. This project will require access pits in order to perform the split and pull process. There will be an access pit at each service tie over.

Approximately three utility vehicles (3-Ton) and one backhoe will be at the site. There will be five employees. The pipeline will be exposed, evaluated, repaired if necessary, and backfilled. The site will be restored to its original contours.

Timeline: The project schedule is estimated to be sometime in 2015, for two weeks, pending receipt of all necessary permits, the weather, and contractor availability. Hours of operation will be from 0700 to 1800.

Activities to be completed include: equipment staging, excavation and repair, backfill and restoration, and clean up. Access to the site will be along an existing roadway and using canal right-of-way. Vehicles and equipment will follow the roadway until cutting over onto the right-of-way access road, which will be followed until it reaches the site. Staging of vehicles and equipment will occur along the right of way. The staging area will be approximately 100 feet by 40 feet. The excavation will be ten (3 x 3 feet) and four (4 x 8 feet) openings. Each area will be cleared and graded.

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Evaluation of Criteria for Categorical Exclusion

Description of Potential Impact	Impact		
1. This action would have a significant effect on the quality of the human environment. (40 CFR 1502.3).	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Uncertain	<input type="checkbox"/> Yes
2. This action would have highly controversial environmental effects or involve unresolved conflicts concerning alternative uses of available resources [NEPA Section 102(2) (E) and 43 CFR 46.215 (c)].	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Uncertain	<input type="checkbox"/> Yes
3. This action will have significant impacts on public health or safety (43 CFR 46.215(a)).	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Uncertain	<input type="checkbox"/> Yes
4. This action would have significant impacts on such natural resources and unique geographical characteristics as historic or cultural resources; parks, recreation and refuge lands; wilderness areas; wild or scenic rivers; national natural landmarks; sole or principle drinking water aquifers; prime farmlands; wetlands (E.O. 11990); floodplains (E.O. 11988); national monuments; migratory birds; and other ecologically significant or critical areas (43 CFR 46.215 (b)).	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Uncertain	<input type="checkbox"/> Yes
5. The action would have highly uncertain and potentially significant environmental effects or involve unique or unknown environmental risk (43 CFR 46.215 (d)).	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Uncertain	<input type="checkbox"/> Yes
6. This action would establish a precedent for future actions or represent a decision in principle about future actions with potentially significant environmental effects (43 CFR 46.215 (e)).	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Uncertain	<input type="checkbox"/> Yes
7. This action would have a direct relationship to other actions with individually insignificant but cumulatively significant environmental effects (43 CFR 46.215 (f)).	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Uncertain	<input type="checkbox"/> Yes
8. This action would have significant impacts on properties listed, or eligible for listing, on the National Register of Historic Places as determined by the bureau (in coordination with a Reclamation cultural resources professional, RM LND 02-01 D(1)(a)) (43 CFR 46.215 (g)).	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Uncertain	<input type="checkbox"/> Yes
9. This action would have significant impacts on species listed, or proposed to be listed, on the List of Endangered or Threatened Species, or have significant impacts on designated Critical Habitat for these species (43 CFR 46.215 (h)).	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Uncertain	<input type="checkbox"/> Yes

**BUREAU OF RECLAMATION
CATEGORICAL EXCLUSION CHECKLIST
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Description of Potential Impact	Impact
10. This action would violate a Federal, State, local, or tribal law or requirement imposed for protection of the environment (43 CFR 46.215 (i)).	<input checked="" type="checkbox"/> No <input type="checkbox"/> Uncertain <input type="checkbox"/> Yes
11. This action would affect ITAs (to be completed by Reclamation official responsible for ITAs) (512 DM 2, Policy Memorandum dated December 15, 1993).	<input checked="" type="checkbox"/> No <input type="checkbox"/> Uncertain <input type="checkbox"/> Yes
12. This action would have a disproportionately high and adverse effect on low income or minority populations (E.O. 12898) (43 CFR 46.215 (j)).	<input checked="" type="checkbox"/> No <input type="checkbox"/> Uncertain <input type="checkbox"/> Yes
13. This action would limit access to and ceremonial use of Indian sacred sites on Federal lands by Indian religious practitioners or significantly adversely affect the physical integrity of such sacred sites (E.O. 13007, 43 CFR 46.215 (k), and 512 DM 3).	<input checked="" type="checkbox"/> No <input type="checkbox"/> Uncertain <input type="checkbox"/> Yes
14. This action would contribute to the introduction, continued existence, or spread of noxious weeds or non-native invasive species known to occur in the area or actions that may promote the introduction, growth, or expansion of the range of such species (Federal Noxious Weed Control Act, E.O. 13112, and 43 CFR 46.215 (l)).	<input checked="" type="checkbox"/> No <input type="checkbox"/> Uncertain <input type="checkbox"/> Yes

NEPA Action

Recommended: Categorical Exclusion EA EIS

Environmental commitments, explanation, and/or remarks:

Reclamation evaluated Indian Trust Assets (ITA) and determined that the proposed project is at least 2 miles or more from the Paiute-Shoshone reserve. Therefore, Reclamation concludes no adverse effects to ITAs and sacred sites (See Attachment A).

Reclamation evaluated the impacts to historic properties, and concludes that no adverse effects to historic properties for the proposed undertaking. The State Historic Preservation Office (SHPO) concurred that the proposed project was in compliance with Section 106 of the National Historic Preservation Act (NHPA) of 1966 and with Reclamations determination of No adverse Effect (See Attachment B).

Reclamation concludes that a Biological Evaluation, Under Section 7 of the Endangered Species Act, is not required for this action. Reclamation

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determines that this Federal action would have no effect on threatened or endangered species (USFWS ECOS website 11/12/14).

SWG will follow their *Northern Nevada Division of Southwest Gas and Paiute Pipeline Environmental Response Plan* dated October 2008, as revised 2014 that address storm water pollution prevention and spill contingency planning. Additionally, all straw wattles and straw bales will be certified weed seed free. To prevent the spread of invasive species, heavy equipment will be power washed before entering the project area.

The proposed action will have *No Effect* on the Columbia spotted frog, Greater sage-grouse, cui-ui, or the Lahontan cutthroat trout.

The proposed action will have *No Effect* to the American Bald Eagle nor other migratory bird species. Under the Bald and Golden Eagle Protection Act and the Migratory Bird Treaty Act, no review or consultation by the USFSW is required.

SWG will utilize traffic controls in accordance with Nevada Department of Transportation requirements.



Photograph 1. Acquired Portion Owned in Fee Title
SWG Pipeline Abandonment and Replacement at
V Line Canal

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Photograph 2. Acquired Portion Owned in Fee Title,
SWG Pipeline Abandonment and Replacement at
V Line Canal

**Indian Trust Assets
Request Form**

**Please send your request to: Richard Stevenson, rstevenson@usbr.gov;
and cc Chuck Johnson, cjohnson@usbr.gov

Date: 2-10-2015

Requested by	Roberta Tassej
Fund	15XR0680A2
WBS	RX.19124999.1000000
Fund/Cost Center	RR02670000
Region # (if other than MP)	LBAO
Project Name	CEC for SWG Pipeline Abandonment and Replacement at V Line Canal
CEC or EA Number	LO-2012-1019
Project Description	See Exhibit A



Tassey, Roberta <rtassey@usbr.gov>

ITA Request for -SWG CEC LO-2012-1019

5 messages

Tassey, Roberta <rtassey@usbr.gov>

Tue, Feb 10, 2015 at 6:44 PM

To: RICHARD STEVENSON <rstevenson@usbr.gov>, cjohnson@usbr.gov

Hi Dick or Chuck,

I have attached the ITA request form and the Project Description (Exhibit A) for your review. Let me know approximately when this can be completed.

Thanks
roberta

Roberta Tassey
Project Manager-Natural Resources Specialist
Lahontan Basin Area Office
Bureau of Reclamation
705 North Plaza St. Suite 320
Carson City, NV 89701
Ph: 775-884-8369
Cell: 530.545.1545
Fax: 775-882-7592
rtassey@usbr.gov

"Providing the Solutions for Managing Water in the West"

2 attachments

 **2-10-15-SWG-ITA Request Form 2015.doc**
46K

 **ITA-Exhibit A.docx**
19K

Johnson, Charles <cjohnson@usbr.gov>

Wed, Feb 11, 2015 at 9:25 AM

To: "Tassey, Roberta" <rtassey@usbr.gov>

Cc: RICHARD STEVENSON <rstevenson@usbr.gov>, Jo Moore <jamoore@usbr.gov>

Roberta,

Dick is out of the office and I've blowing bubbles on a myriad of short-fused projects at the moment. Would you please work with Jo Moore to create a simple location map of the listed sites (a SHP file would be great but a PDF will do) and then I can quickly complete the evaluation.

Thanks,

Chuck

Chuck Johnson, CPSS
Chief, Land Resources
Regional GIS Program Manager
Regional Realty Officer
Regional Soil Scientist
Regional Fire Management Officer
US Bureau of Reclamation voice 916-978-5266
2800 Cottage Way (MP-450) FAX 916-978-5290
Sacramento, CA 95825-1898 cjohnson@usbr.gov

"Non sibi sed aliis"

[Quoted text hidden]

2 attachments

 **2-10-15-SWG-ITA Request Form 2015.doc**
46K

 **ITA-Exhibit A.docx**
19K

Tassey, Roberta <rtassey@usbr.gov>
To: "Johnson, Charles" <cjohnson@usbr.gov>

Wed, Feb 11, 2015 at 12:56 PM

Hi Chuck,

I am out of the office today working with the Tahoe Resource Conservation District to complete a Financial Assistance Grant package that they moved up the submittal date 30 days.

Anyway to assist I have attached the following:

Consent Document with figures for the 1890s property

CEC with figure for the Acquired Land

Let me know if you want more, I will be back at the office tomorrow.

thanks

roberta

[Quoted text hidden]

2 attachments

 **2-11-15-Consent-Doc-LO-2012-1019 SWG Consent_Executed.pdf**
800K

Johnson, Charles <cjohnson@usbr.gov>
To: "Tassey, Roberta" <rtassey@usbr.gov>
Cc: RICHARD STEVENSON <rstevenson@usbr.gov>

Wed, Feb 11, 2015 at 4:16 PM

Roberta,

From the new information provided, the proposed activities are at least 2 miles or more from the Paiute-Shoshone Reserve. All the distances were taken from the middle of each ROW segment on the exhibits. They range as follows:

Exhibit A - approximately 3.0 miles from the center of the ROW to the Reserve in the East-Northeast

Exhibit B - approximately 2.6 miles from the center of the ROW to the Reserve in the North-Northeast

Exhibit C - approximately 3.5 miles from the center of the ROW to the Reserve in the East-Northeast

Exhibit D - approximately 5.0 miles from the center of the ROW to the Reserve in the East

Exhibit E - approximately 2.3 miles from the center of the ROW to the Reserve in the North-Northeast

Given the nature of the activities, we can reasonably state that there will be no impacts on ITA lands.

Chuck Johnson

Chuck Johnson, CPSS
Chief, Land Resources
Regional GIS Program Manager
Regional Realty Officer
Regional Soil Scientist
Regional Fire Management Officer

US Bureau of Reclamation voice 916-978-5266
2800 Cottage Way (MP-450) FAX 916-978-5290
Sacramento, CA 95825-1898 cjohnson@usbr.gov

Additional Project Details

SWG is proposing to utilize the split and pull method for installation of the main lines. The split and pull method will consist of a 4-foot by 8-foot access pit for the start and stop installation at all main tie-in locations. The access pit is required every 300-500 feet. A 3-foot by 3-foot access pit will also be constructed because it is required at all service tie-over locations. All access pits will have a shade and backfill of 30-inches (nominal) cover for the main line and 24-inches for services lines from the top of the pipe/fitting to the finished grade.

Weighted sediment rolls will be placed in a curved row fashion 3-feet into the street and 6-inches from the inlet grate as a best management practice to minimize sediment from entering the drainage inlet filters located within the construction area. A filter fabric material will also be placed under the inlet grate.

Construction will commence upon the execution of the use authorization. SWG will utilize traffic controls in accordance with Nevada Department of Transportation requirements.

Exhibit A

Reclamation 1890's Easement Lands: Project Description

WR 1600377: This project is on an easement obtained via the Canal Act of 1890. Approximately 1,860' of 2" PE main will be inserted into existing 2" PVC pipeline with all appurtenances and existing services. This section is located in the NENE of Section 34, and the NWNW of section 35, T.19N, R. 28E, MDM, Churchill County, NV, and runs along the south side of the V-Line Canal at Casey Road in Fallon, Nevada. The new PE pipelines will replace existing Polyvinyl chloride (PVC) pipelines and related appurtenances installed in 1965 to ensure that safe operating conditions are maintained. The PVC pipeline will be abandoned in place.

PH-1: This project will traverse approximately five facilities under Reclamation's jurisdiction in the S1/2 of Section 6, T. 18N, R. 29E, MDM, Churchill County, NV, all of which were acquired via the Canal Act of 1890. Approximately 5,060' of 2" PE pipeline will be installed using the split and pull method with approximately 135' of the pipeline being within our right of way. The project will require one 4' x 8' access pit.

PH-4: This project consists of abandoning and replacing facilities in two different locations: 1) Casey Road, and 2) Soda Lake Road. This phase of the project will require access pits in order to perform the split and pull process. There will be an access pit at each service tie over, and access pit to replace existing STL pipeline.

1) Casey Road: The project will be located within the V-Line right of way located in the SENW, NE of Section 34, T. 19N, R. 28E, MDM, Churchill County, NV, and acquired via the Canal Act of 1890. Approximately 3,005' of 2" PE pipeline will be inserted through the existing pipeline using the split and pull method.

2) Soda Lake Road: The project will be located within the N-Line Canal right of way located in the NENE of Section 29, T. 19N, R. 28E, MDM, Churchill County, NV, and acquired via the Canal Act of 1890. Approximately 1,665' of 2" PE pipeline will be inserted through the existing pipeline using the split and pull method.

PH-5: This project lies within the Hwy 95/Schurz Highway, L-4 Lateral, and LD Drain right of ways. It will also traverse three additional Reclamation conveyance features before turning east on St. Clair Road and traversing the L Deep Drain, all located in the NENE of Section 12, T. 18N, R. 28E, and the L5, L6, L7 of Section 6, T. 18N, R. 29E, MDM, Churchill County, NV. All facilities associated with this phase were acquired via the Canal Act of 1890. There will be approximately 4,390' of 2" PE main line inserted into the existing 2" PVC pipeline with all appurtenances and existing services. This phase of the project will require access pits in order to perform the split and pull process. There will be an access pit at each service tie over.

Reclamation Acquired Portion: Project Description

For the acquired portion of this project owned in fee title, SWG is proposing to install 2,060 feet of 2" PE main, which will be inserted into existing 2" PVC pipeline with all appurtenances and existing services. This section is located in the S $\frac{1}{2}$ of Section 26, NW $\frac{1}{4}$ of Section 35, T. 19N, R. 28E, MDM, Churchill County, NV.

Additional Project Details

SWG is proposing to utilize the split and pull method for installation of the main lines. The split and pull method will consist of a 4-foot by 8-foot access pit for the start and stop installation at all main tie-in locations. The access pit is required every 300-500 feet. A 3-foot by 3-foot access pit will also be constructed because it is required at all service tie-over locations. All access pits will have a shade and backfill of 30-inches (nominal) cover for the main line and 24-inches for services lines from the top of the pipe/fitting to the finished grade.

Weighted sediment rolls will be placed in a curved row fashion 3-feet into the street and 6-inches from the inlet grate as a best management practice to minimize sediment from entering the drainage inlet filters located within the construction area. A filter fabric material will also be placed under the inlet grate.

Construction will commence upon the execution of the use authorization. SWG will utilize traffic controls in accordance with Nevada Department of Transportation requirements.

UNITED STATES
DEPARTMENT OF THE INTERIOR
Bureau of Reclamation
Newlands Project, Nevada

CONSENT DOCUMENT

(For lands in which the United States holds an easement right)

Issued to: **Southwest Gas Corporation**

P.O. Box 1190
Carson City, Nevada 89701
Ph.: (775) 887-2837

Location: **WR1600377**: NENE of Section 34, and the NWNW of section 35,
T.19 N., 28 E.

Phase 1: S½ of Section 6, T. 18 N., R. 29 E.

Phase 4: NENE of Section 29, T. 19 N., R. 28 E., and the SENW, NE of
Section 34, T. 19 N., R. 28 E.

Phase 5: Lot 5-7 of Section 6, T. 18 N., R. 29 E., and the NENE of Section
12, T. 18 N., R. 29 E. All Locations are within the Mount Diablo Base and
Meridian, Churchill County, Nevada.

Project Description: Abandon in Place and Replace Existing Natural Gas Pipelines Located
within Reclamation Project Easements. A detailed project description is attached marked
“Exhibit F”.

All locations are described on the attached location maps marked Exhibit A-E, along with other
necessary appurtenances as described in the plans and specifications on file with the Bureau of
Reclamation Lahontan Basin Area Office. Subject to the following conditions, Reclamation
consents to the use of the said lands at the locations listed above for the purposes of abandoning
in place and replacing existing 2” PVC natural gas pipelines with new 2” PE pipelines with all
related appurtenances and existing services.

- 1. Underlying Fee Owner Permission.** In the event the Consentee is not the underlying fee
owner, it shall be incumbent on the Consentee to secure permission of the underlying fee
owner for approval to cross or use Reclamation’s easement.
- 2. Conditions to Protect Reclamation Interests.** This Consent Document shall continue
for so long as in the opinion of the United States it is considered to be expedient and not

detrimental to the public interest, and shall be revocable by said officer upon written notice to the Consentee. The Consentee must:

- a. Protect all structures, facilities, and resources from damage;
- b. Ensure unrestricted flow and quality of water in the facility or structure;
- c. Not diminish the ability to operate and maintain the facility, including access;
- d. Protect and provide for the unrestricted use of any Reclamation easement, be it for roads, telephone/communication lines, flood and flowage easements, canals, pipelines, gauging stations, or any other purpose; and
- e. Prevent an unreasonable burden of liability.

3. Special Conditions. All work shall be done in a neat and workmanlike manner and to the reasonable satisfaction of the Area Manager, Bureau of Reclamation, Carson City, Nevada, or his duly authorized representative.

- a. All construction shall conform to the state regulations of the applicable state.
- b. All work within rights-of-way, including restoration, must be completed within one (1) year of the date of issuance of this Consent Document or at such other interval as the Consentee may request in writing and receive concurrence.
- c. Any changes to project requirements in subsequent addendums, modifications, change orders, or items agreed to in construction meeting(s) which have the potential to adversely affect United States facilities will be submitted to and accepted by the United States, and upon acceptance are hereby included and made a part hereof.

4. Removal of Structures.

- a. Upon the expiration, termination, or revocation of this consent document, the Consentee shall remove or properly abandon in place all structures, equipment, or other improvements made by it from the premises at no cost to the United States. Upon failure to remove any such improvements within a reasonable time frame of expiration, termination, or revocation, any remaining improvements shall, at the option of the United States, be removed or become the property of the United States. The Consentee shall pay all expenses of the United States, or its assigns, related to removal or proper abandonment of such improvements.
- b. The above notwithstanding, (a) should Reclamation determine that there is a project or public need for specific structures and/or equipment to remain in place, the Consentee shall be compensated the market value of such improvements as determined by an appraisal prepared by the Secretary; and/or (b) any improvements that may be a historic property as described in 36 CFR § 60, shall be inventoried and evaluated to determine its eligibility to be listed on the National Register of Historic Places. If the improvement qualifies, then Reclamation shall conduct consultation required by Section 106 of the National Historic Preservation Act prior to demolition or taking ownership of the improvement.

- 5. Discovery of Cultural Resources.** The Consentee shall immediately provide an oral notification to Reclamation's authorized official of the discovery of any and all antiquities or other objects of archaeological, cultural, historic, or scientific interest on Reclamation lands. The Consentee shall follow up with a written report of their finding(s) to Reclamation's authorized official within forty-eight (48) hours. Objects under consideration include, but are not limited to, historic or prehistoric ruins, human remains, funerary objects, and artifacts discovered as a result of activities under this authorization. The Consentee shall immediately cease the activity in the area of the discovery, make a reasonable effort to protect such discovery, and wait for written approval from the authorized official before resuming the activity. Protective and mitigative measures specified by Reclamation's authorized official shall be the responsibility of the Consentee. When Reclamation's authorized official is notified of a cultural resources discovery, he/she shall immediately notify the appropriate cultural resources professional.
- 6. Severability.** Each provision of this consent document shall be interpreted in such a manner as to be valid under applicable law, but if any provision of this consent document shall be deemed or determined by competent authority to be invalid or prohibited hereunder, such provision shall be ineffective and void only to the extent of such invalidity or prohibition, but shall not be deemed ineffective or invalid as to the remainder of such provision or any other remaining provisions, or of the consent document as a whole.
- 7. Hold Harmless Clause.** The Consentee hereby agrees to indemnify and hold harmless the United States, its employees, agents, and assigns from any loss or damage and from any liability on account of personal injury, property damage, or claims for personal injury or death arising out of the Consentee's activities under this agreement.

UNITED STATES
DEPARTMENT OF THE INTERIOR
Bureau of Reclamation
Newlands Project, Nevada

CONSENT DOCUMENT

(For lands in which the United States holds an easement right)

Issued to: **Southwest Gas Corporation**
P.O. Box 1190
Carson City, Nevada 89701
Ph.: (775) 887-2837

Location: **WR1600377**: NENE of Section 34, and the NWNW of section 35,
T.19 N., 28 E.

Phase 1: S½ of Section 6, T. 18 N., R. 29 E.

Phase 4: NENE of Section 29, T. 19 N., R. 28 E., and the SENW, NE of
Section 34, T. 19 N., R. 28 E.

Phase 5: Lot 5-7 of Section 6, T. 18 N., R. 29 E., and the NENE of Section
12, T. 18 N., R. 29 E. All Locations are within the Mount Diablo Base and
Meridian, Churchill County, Nevada.

Project Description: Abandon in Place and Replace Existing Natural Gas Pipelines Located
within Reclamation Project Easements. A detailed project description is attached marked
“Exhibit F”.

All locations are described on the attached location maps marked Exhibit A-E, along with other
necessary appurtenances as described in the plans and specifications on file with the Bureau of
Reclamation Lahontan Basin Area Office. Subject to the following conditions, Reclamation
consents to the use of the said lands at the locations listed above for the purposes of abandoning
in place and replacing existing 2” PVC natural gas pipelines with new 2” PE pipelines with all
related appurtenances and existing services.

- 1. Underlying Fee Owner Permission.** In the event the Consentee is not the underlying fee owner, it shall be incumbent on the Consentee to secure permission of the underlying fee owner for approval to cross or use Reclamation’s easement.
- 2. Conditions to Protect Reclamation Interests.** This Consent Document shall continue for so long as in the opinion of the United States it is considered to be expedient and not

detrimental to the public interest, and shall be revocable by said officer upon written notice to the Consentee. The Consentee must:

- a. Protect all structures, facilities, and resources from damage;
- b. Ensure unrestricted flow and quality of water in the facility or structure;
- c. Not diminish the ability to operate and maintain the facility, including access;
- d. Protect and provide for the unrestricted use of any Reclamation easement, be it for roads, telephone/communication lines, flood and flowage easements, canals, pipelines, gauging stations, or any other purpose; and
- e. Prevent an unreasonable burden of liability.

3. Special Conditions. All work shall be done in a neat and workmanlike manner and to the reasonable satisfaction of the Area Manager, Bureau of Reclamation, Carson City, Nevada, or his duly authorized representative.

- a. All construction shall conform to the state regulations of the applicable state.
- b. All work within rights-of-way, including restoration, must be completed within one (1) year of the date of issuance of this Consent Document or at such other interval as the Consentee may request in writing and receive concurrence.
- c. Any changes to project requirements in subsequent addendums, modifications, change orders, or items agreed to in construction meeting(s) which have the potential to adversely affect United States facilities will be submitted to and accepted by the United States, and upon acceptance are hereby included and made a part hereof.

4. Removal of Structures.

- a. Upon the expiration, termination, or revocation of this consent document, the Consentee shall remove or properly abandon in place all structures, equipment, or other improvements made by it from the premises at no cost to the United States. Upon failure to remove any such improvements within a reasonable time frame of expiration, termination, or revocation, any remaining improvements shall, at the option of the United States, be removed or become the property of the United States. The Consentee shall pay all expenses of the United States, or its assigns, related to removal or proper abandonment of such improvements.
- b. The above notwithstanding, (a) should Reclamation determine that there is a project or public need for specific structures and/or equipment to remain in place, the Consentee shall be compensated the market value of such improvements as determined by an appraisal prepared by the Secretary; and/or (b) any improvements that may be a historic property as described in 36 CFR § 60, shall be inventoried and evaluated to determine its eligibility to be listed on the National Register of Historic Places. If the improvement qualifies, then Reclamation shall conduct consultation required by Section 106 of the National Historic Preservation Act prior to demolition or taking ownership of the improvement.

- 5. Discovery of Cultural Resources.** The Consentee shall immediately provide an oral notification to Reclamation's authorized official of the discovery of any and all antiquities or other objects of archaeological, cultural, historic, or scientific interest on Reclamation lands. The Consentee shall follow up with a written report of their finding(s) to Reclamation's authorized official within forty-eight (48) hours. Objects under consideration include, but are not limited to, historic or prehistoric ruins, human remains, funerary objects, and artifacts discovered as a result of activities under this authorization. The Consentee shall immediately cease the activity in the area of the discovery, make a reasonable effort to protect such discovery, and wait for written approval from the authorized official before resuming the activity. Protective and mitigative measures specified by Reclamation's authorized official shall be the responsibility of the Consentee. When Reclamation's authorized official is notified of a cultural resources discovery, he/she shall immediately notify the appropriate cultural resources professional.
- 6. Severability.** Each provision of this consent document shall be interpreted in such a manner as to be valid under applicable law, but if any provision of this consent document shall be deemed or determined by competent authority to be invalid or prohibited hereunder, such provision shall be ineffective and void only to the extent of such invalidity or prohibition, but shall not be deemed ineffective or invalid as to the remainder of such provision or any other remaining provisions, or of the consent document as a whole.
- 7. Hold Harmless Clause.** The Consentee hereby agrees to indemnify and hold harmless the United States, its employees, agents, and assigns from any loss or damage and from any liability on account of personal injury, property damage, or claims for personal injury or death arising out of the Consentee's activities under this agreement.

Execution in behalf of your company in the space provided below shall be conclusively determined to be an acceptance of the above conditions.

By:

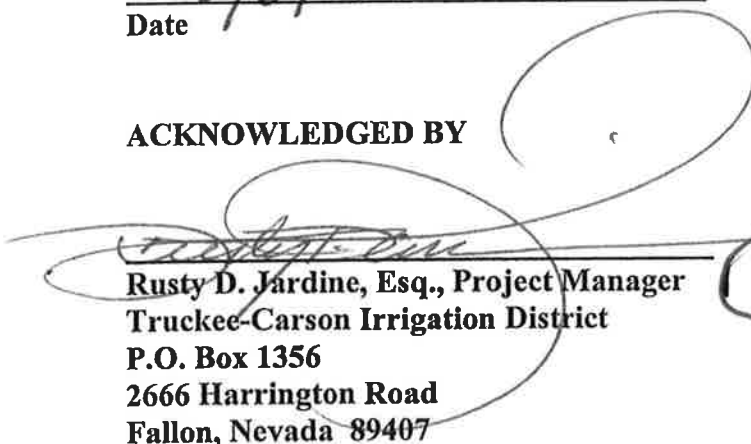


Bradford T. Harris, VP - Northern Nevada Division
Southwest Gas Corporation
P.O. Box 1190
Carson City, Nevada 89702

2/6/15
Date

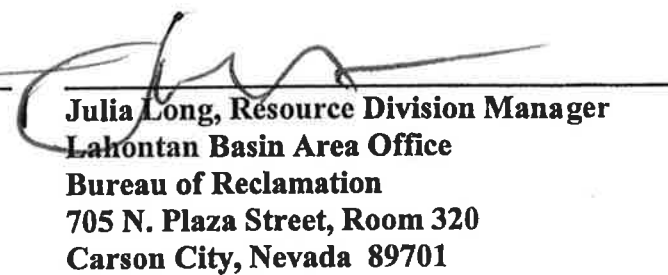
ACKNOWLEDGED BY

UNITED STATES OF AMERICA



Rusty D. Jardine, Esq., Project Manager
Truckee-Carson Irrigation District
P.O. Box 1356
2666 Harrington Road
Fallon, Nevada 89407

2/6/15
Date

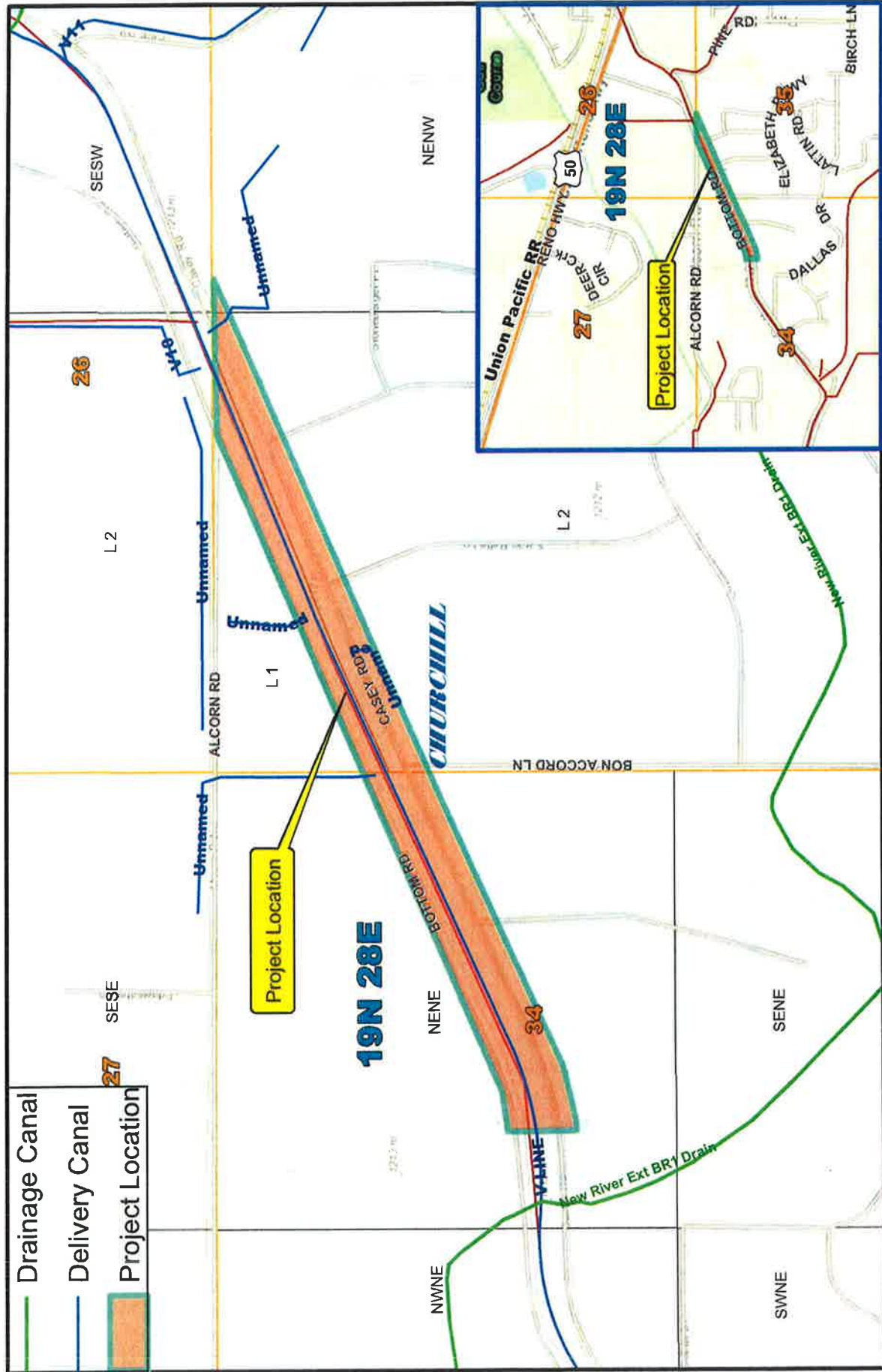


Julia Long, Resource Division Manager
Lahontan Basin Area Office
Bureau of Reclamation
705 N. Plaza Street, Room 320
Carson City, Nevada 89701

2/6/15
Date

Exhibits

- Exhibits A-E: Consent Area Location Maps
- Exhibit F: Project Description



**Southwest Gas Corporation
Tracking No. LO-2012-1019**

*Abandonment/Replacement of Natural Gas Pipelines - WR1600377 (1890's)
NENE of Section 34, NWNW Section 35
T. 19N, R. 28E, M.D.M., Churchill County, Nevada*

RECLAMATION
Managing Water in the West

Lahontan Basin Area Office
705 N. Plaza Street, Carson City, NV 89701

V:\@LBAO Activity\LO-2012-1019 SW Gas Corp Line Replacements - V Line Canal\GIS\SWG_PH1.mxd | Printed On: 10/28/2014 | jduer



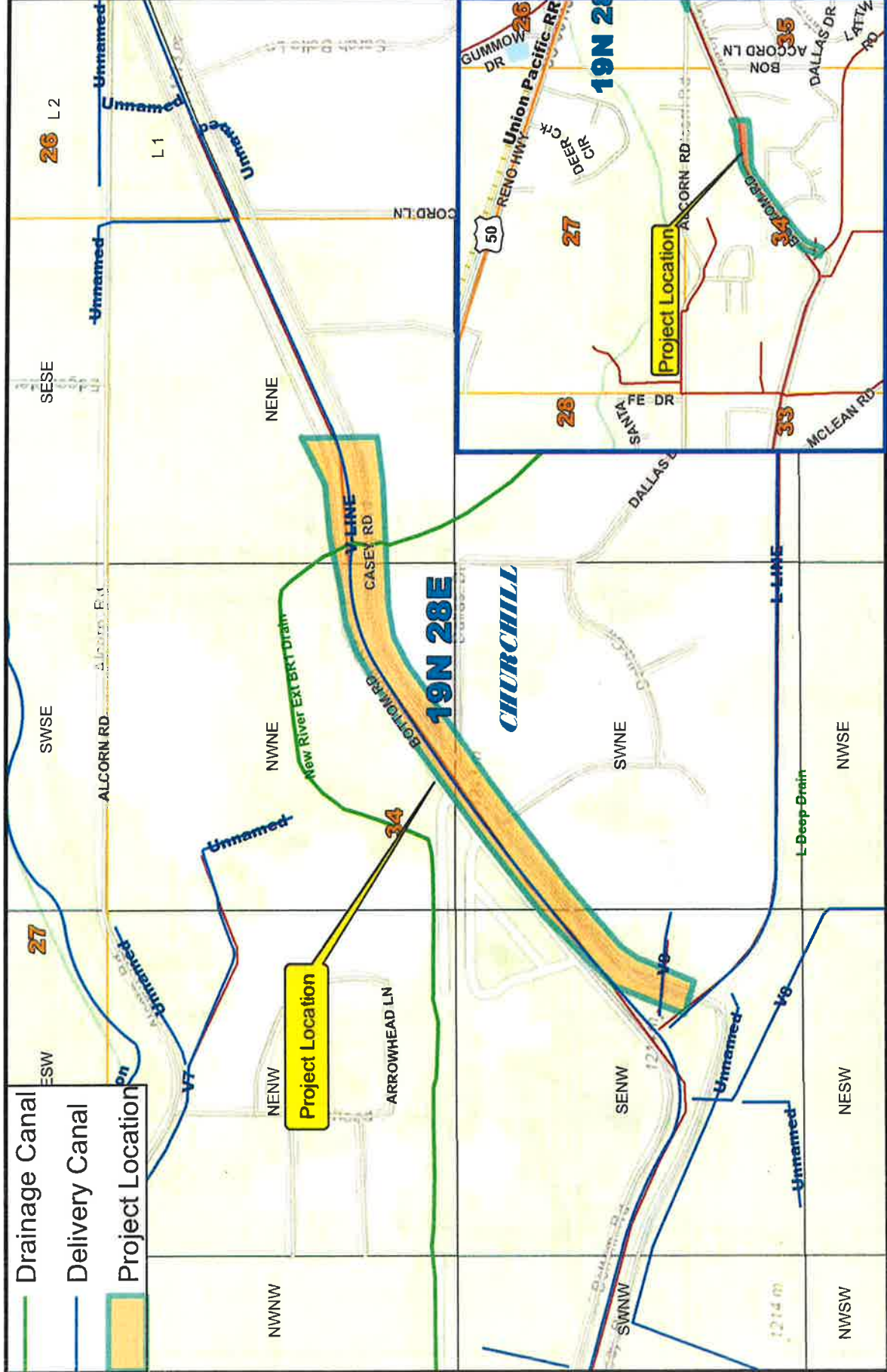
RECLAMATION
Managing Water in the West

Labontan Basin Area Office
 705 N. Plaza Street, Carson City, NV 89701

Southwest Gas Corporation
Tracking No. LO-2012-1019

Abandonment/Replacement of Natural Gas Pipelines - PH-1
SI/2 of Section 6
T. 18N, R. 29E, M.D.M., Churchill County, Nevada

EXHIBIT C



**Southwest Gas Corporation
Tracking No. LO-2012-1019**

*Abandonment/Replacement of Natural Gas Pipelines - PH-4
V-Line Canal: SENW, NE of Section 34, T. 19 N., R. 28 E.
M.D.M., Churchill County, Nevada*

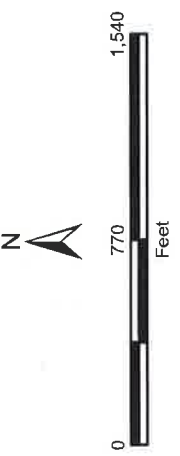
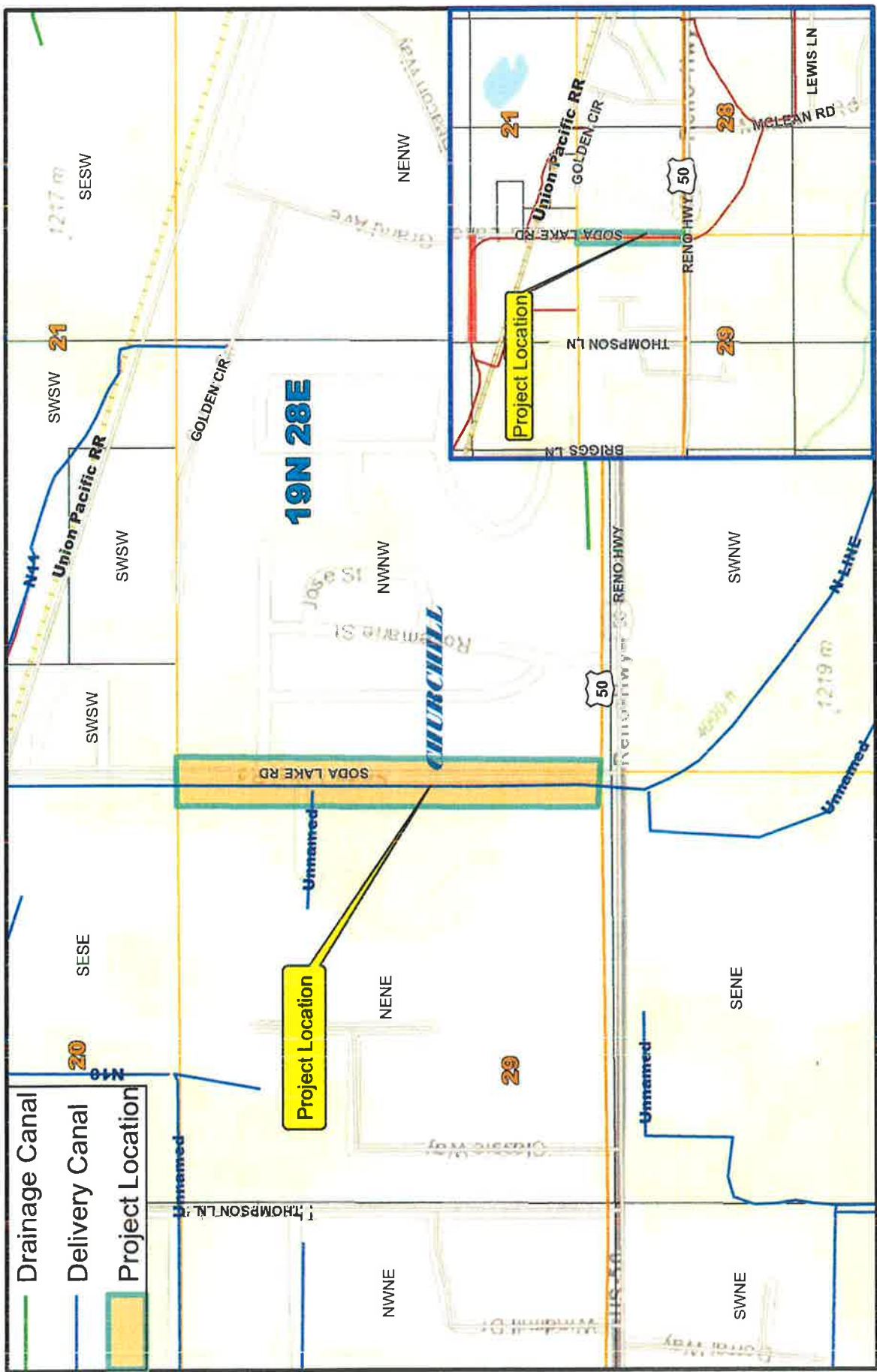


EXHIBIT D

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**Southwest Gas Corporation
Tracking No. LO-2012-1019**

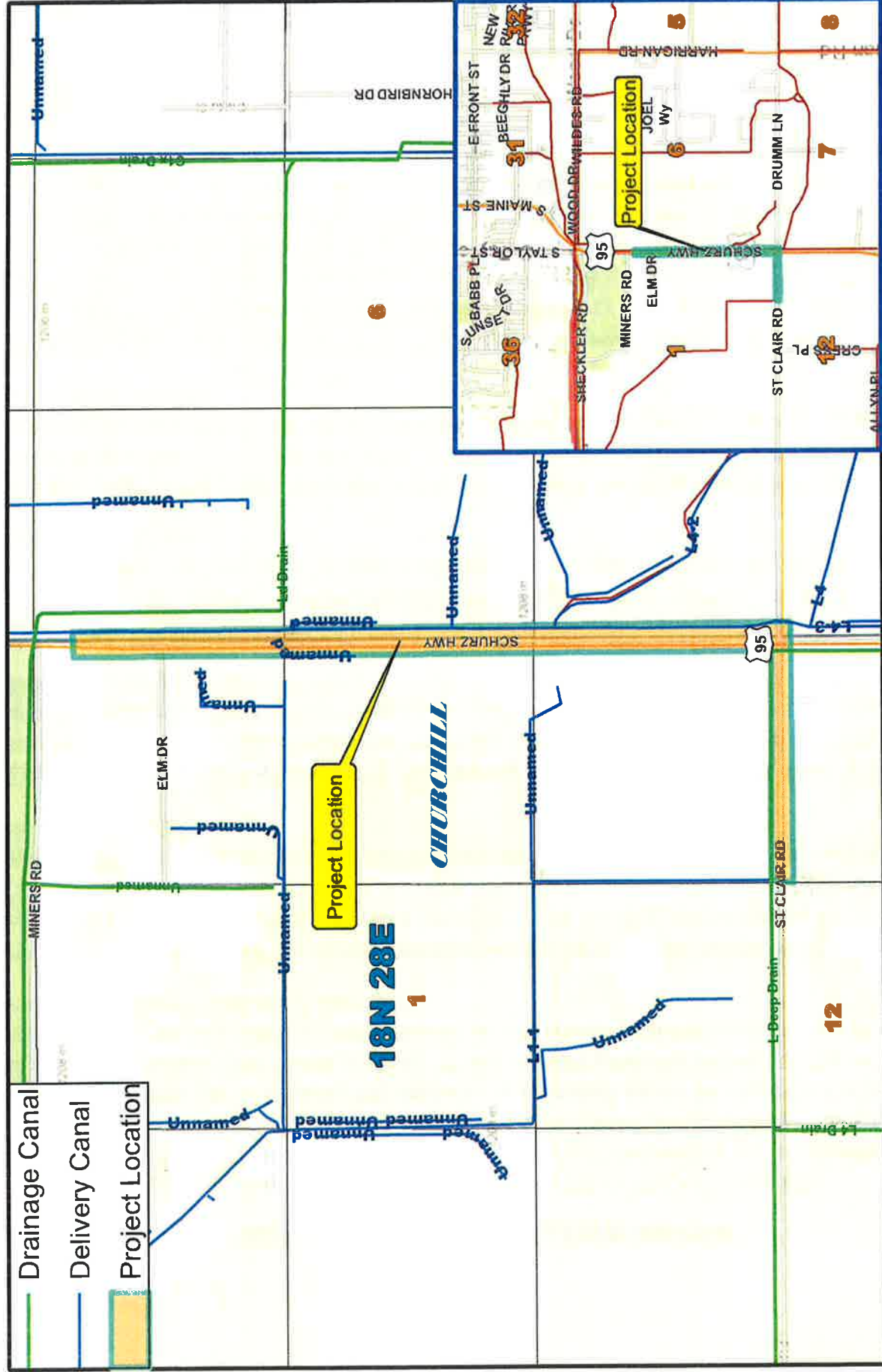
*Abandonment/Replacement of Natural Gas Pipelines - PH-4
N-Line Canal: NENE of Section 29, T. 19 N., R. 28 E.
M.D.M., Churchill County, Nevada*

RECLAMATION
Managing Water in the West

Lahontan Basin Area Office
705 N. Plaza Street, Carson City, NV 89701

EXHIBIT E

V:\@LBAO Activity\LO-2012-1019 SW Gas Corp Line Replacements - V Line Canal\GIS\SWG_PH4_Vline.mxd | Printed On: 1/15/2015 | jduer



**Southwest Gas Corporation
Tracking No. LO-2012-1019**

*Abandonment/Replacement of Natural Gas Pipelines - PH-5
NENE of Section 12, T. 18 N., R. 28 E.
L5, L6, L7 of Section 6, T. 18 N., R. 29 E.
M.D.M., Churchill County, Nevada*

RECLAMATION
Managing Water in the West

Lahontan Basin Area Office
705 N. Plaza Street, Carson City, NV 89701

Exhibit F

Reclamation 1890's Easement Lands: Project Description

WR 1600377 (Exhibit A): This project is on an easement obtained via the Canal Act of 1890.

Approximately 1,860' of 2" PE main will be inserted into existing 2" PVC pipeline with all appurtenances and existing services. This section is located in the NENE of Section 34, and the NWNW of section 35, T.19N, R. 28E, MDM, Churchill County, NV, and runs along the south side of the V-Line Canal at Casey Road in Fallon, Nevada. The new PE pipelines will replace existing Polyvinyl chloride (PVC) pipelines and related appurtenances installed in 1965 to ensure that safe operating conditions are maintained. The PVC pipeline will be abandoned in place.

PH-1 (Exhibit B): This project will traverse approximately five facilities under Reclamation's jurisdiction in the S1/2 of Section 6, T. 18N, R. 29E, MDM, Churchill County, NV, all of which were acquired via the Canal Act of 1890. Approximately 5,060' of 2" PE pipeline will be installed using the split and pull method with approximately 135' of the pipeline being within our right of way. The project will require one 4' x 8' access pit.

PH-4: This project consists of abandoning and replacing facilities in two different locations: 1) Casey Road, and 2) Soda Lake Road. This phase of the project will require access pits in order to perform the split and pull process. There will be an access pit at each service tie over, and access pit to replace existing STL pipeline.

1) Casey Road (Exhibit C): The project will be located within the V-Line right of way located in the SENW, NE of Section 34, T. 19N, R. 28E, MDM, Churchill County, NV, and acquired via the Canal Act of 1890. Approximately 3,005' of 2" PE pipeline will be inserted through the existing pipeline using the split and pull method.

2) Soda Lake Road (Exhibit D): The project will be located within the N-Line Canal right of way located in the NENE of Section 29, T. 19N, R. 28E, MDM, Churchill County, NV, and acquired via the Canal Act of 1890. Approximately 1,665' of 2" PE pipeline will be inserted through the existing pipeline using the split and pull method.

PH-5 (Exhibit E): This project lies within the Hwy 95/Schurz Highway, L-4 Lateral, and LD Drain right of ways. It will also traverse three additional Reclamation conveyance features before turning east on St. Clair Road and traversing the L Deep Drain, all located in the NENE of Section 12, T. 18N, R. 28E, and the L5, L6, L7 of Section 6, T. 18N, R. 29E, MDM, Churchill County, NV. All facilities associated with this phase were acquired via the Canal Act of 1890. There will be approximately 4,390' of 2" PE main line inserted into the existing 2" PVC pipeline with all appurtenances and existing services. This phase of the project will require access pits in order to perform the split and pull process. There will be an access pit at each service tie over.

Execution in behalf of your company in the space provided below shall be conclusively determined to be an acceptance of the above conditions.

By:



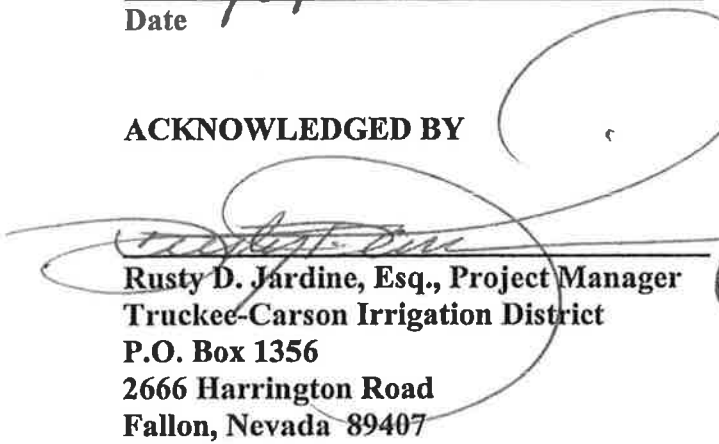
Bradford T. Harris, VP - Northern Nevada Division
Southwest Gas Corporation
P.O. Box 1190
Carson City, Nevada 89702

Date

2/6/15

ACKNOWLEDGED BY

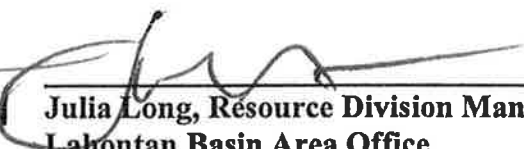
UNITED STATES OF AMERICA



Rusty D. Jardine, Esq., Project Manager
Truckee-Carson Irrigation District
P.O. Box 1356
2666 Harrington Road
Fallon, Nevada 89407

Date

2/6/15



Julia Long, Resource Division Manager
Lahontan Basin Area Office
Bureau of Reclamation
705 N. Plaza Street, Room 320
Carson City, Nevada 89701

Date

2/6/15

Exhibits

- Exhibits A-E: Consent Area Location Maps
- Exhibit F: Project Description

LEO M. DROZDOFF, P.E.
Director
Department of Conservation and
National Resources

REBECCA L. PALMER
State Historic Preservation Officer

BRIAN SANDOVAL
Governor

STATE OF NEVADA



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

shpo.nv.gov

DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES
STATE HISTORIC PRESERVATION OFFICE

May 1, 2015

Ms. Anastasia Leigh
Regional Environmental Officer
United States Department of the Interior
Bureau of Reclamation
Mid-Pacific Regional Office
2800 Cottage Way
Sacramento, California 95825-1898

**RE: Southwest Gas PVC Pipe Replacement Project, Phase 4a, Churchill County, Nevada
Western Side of Fallon, Along Casey Road, South of Highway 50
Land Use Permit for Lands Held by Reclamation
Project #13-LBAO-012
Cultural Resources Report for the Southwest Gas Fallon PVC Pipe Replacement Project, Phase
4A, Churchill County, Nevada, Orvald 2015
SHPO Undertaking 2015-3690**

Dear Ms. Leigh:

The Nevada State Historic Preservation Office (SHPO) has reviewed the subject documents in compliance with Section 106 of the National Historic Preservation Act (NHPA) of 1966, as amended.

The SHPO concurs with the Reclamation determination of National Register of Historic Places eligibility for the V-Line Canal, as a contributing element of the V-Line Canal System and to the overall Newlands Project, under Significance Criterion A.

The SHPO concurs with the Reclamation's determination of No Adverse Effect to historic properties for the proposed undertaking.

If buried and/or previously unidentified resources are located during these project activities, the SHPO recommends that all work in the vicinity 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 the SHPO staff architectural historian Mara Thiessen Jones at (775) 684-3439 or by e-mail at mara.jones@shpo.nv.gov.

Sincerely,


Rebecca L. Palmer
State Historic Preservation Officer



United States Department of the Interior

BUREAU OF RECLAMATION
Mid-Pacific Regional Office
2800 Cottage Way
Sacramento, California 95825-1898

IN REPLY
REFER TO:

MP-153
ENV-3.00

MAR 27 2015

CERTIFIED – RETURN RECEIPT REQUESTED

Ms. Rebecca L. Palmer
State Historic Preservation Officer
Nevada State Historic Preservation Office
901 S. Stewart Street, Suite 5004
Carson City, NV 89701-4285

Subject: National Historic Preservation Act (NHPA) Section 106 Compliance for the Southwest Gas PVC Pipe Replacement Project, Phase 4a, Churchill County, Nevada (Project #13-LBAO-012)

Dear Ms. Palmer:

The Bureau of Reclamation is initiating consultation under Title 54 USC § 306108, commonly known as Section 106 of the NHPA, and its implementing regulations found at 36 CFR Part 800 for the proposed issuance of a land use authorization to Southwest Gas (SWG) to replace a portion of their existing gas line with a new pipeline on lands held in fee title by Reclamation. The project is situated immediately adjacent to the V-Line Canal, a component of the Newlands Project irrigation system near Fallon, Nevada (enclosure, Figure 1). Reclamation determined that the issuance of a land use authorization is an undertaking as defined in 36 CFR § 800.16(y) and is a type of activity that has the potential to cause effects on historic properties under 36 CFR § 800.3(a). We are entering into consultation with you on this undertaking and are requesting concurrence on our finding of no adverse effect to historic properties pursuant to 36 CFR § 800.5(b).

The proposed SWG Fallon PVC Pipe Replacement Project entails the replacement of a 2,373-foot (723-meter) section of gas piping. SWG will replace piping by using the split-and-pull method which involves dragging a splitter mechanism by rope through the existing pipe and dragging the new pipe right behind the splitter. Sand-packed piping channels currently lie several feet beneath the ground surface and either bend to avoid or dive beneath other buried utilities, as well as structural elements of the built environment, including earthen berms and concrete features associated with irrigation structures of Reclamation's Newlands Project. Excavation of bell holes measuring approximately 4 feet by 4 feet by 5 feet deep will be required at every main connection and every service connection to tie the new facilities to the existing ones. These excavations will not penetrate undisturbed substrate. A larger bell hole measuring 4 feet by 6 feet by 5 feet deep will be required approximately every 500 feet to facilitate the split-and-pull method. The SWG Fallon PVC Piping Replacement Project will not modify, touch, or otherwise affect the berms or the prisms of irrigation canals, laterals, and drains or any appurtenant features, such as check structures, turnouts, culverts, and bridges.

The area of potential effects (APE) is defined by project actions along the 2,373 foot (723 meter) segment of gas piping located in Section 26, T 18 N., R. 28 E., Mount Diablo Baseline and Meridian, as depicted on the Carson City 7.5' U.S. Geological Survey topographic quadrangle map (enclosure, Figure 1). Reclamation has identified the horizontal project APE as a 20-foot-wide corridor covering approximately 1.1 acres centered on the existing pipeline alignment. This also includes any pullouts that could be used for staging. The vertical APE will be a maximum of 5 feet deep for the bell holes. The pipe replacement will be within the existing pipe and sand-packed channel. The lands surrounding the APE are predominantly characterized by residential and agricultural development including Reclamation's Newlands Project. The indirect visual effects will be minimal and temporary, such as piles of dirt alongside of the bell holes, which will be returned to the holes as fill when connections are complete.

Ceresola Inspection Services, on behalf of SWG, retained Far Western Anthropological Research Group, Inc., (Far Western) to conduct a cultural resources inventory for the linear project area. The enclosed report (Orvald 2015) presents the identification efforts in detail. Far Western identified, recorded, and evaluated two conveyance and regulating structures associated with the V-Line Canal: V-C7 check, turnout, and box culvert; and V-T22 turnout and box culvert. No archaeological resources were identified and none is anticipated to occur subsurface. In addition, Reclamation contacted the Fallon Paiute-Shoshone Tribe on October 13, 2013, and July 1, 2014, requesting information or concerns regarding cultural resources for this undertaking and to invite their participation in the Section 106 process. No responses were received. Reclamation finds these identification efforts to be appropriate and sufficient for this undertaking.

In 1981, portions of the Newlands Project were listed on the National Register of Historic Places (National Register) under Criterion A under the theme of conservation. In addition, Reclamation has identified additional themes of reclamation, irrigation, and development of agriculture in the state of Nevada and the western United States for the Newlands Project's eligibility. Reclamation continues to identify contributing and non-contributing properties for the Newlands Project through individual consultations with your office.

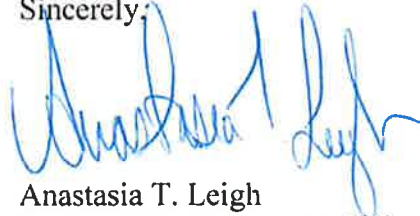
The V-Line Canal was constructed between 1904 and 1905 after other main features of the Newlands Project, namely Derby Dam and the Truckee Canal, were already under construction. The V-Line Canal is a primary piece of the Newlands Project conveyance system functioning as one of the main canals. It is unclear when the appurtenant conveyance and regulating structures were constructed, but it is believed they were built around the same time as the canal. Orvald (2015) recommends that the V-Line Canal is not individually eligible for inclusion in the National Register, and that it is eligible as a contributing property to the Newlands Project. This assessment is consistent with Reclamation's other identification of associated Newlands Project properties. Reclamation agrees with Orvald's (2015) recommendation and determines the V-Line Canal to be eligible for listing as contributing to the eligibility of the Newlands Project. The evaluations of the V-Line and the appurtenant conveyance and regulating structures can be found in the enclosed report and are documented on the site forms in its Appendix A.

Reclamation applied the criteria of adverse effect for the proposed undertaking on historic properties. None of the features of the V-Line Canal will be modified as part of the construction project and the overall design of the V-Line Canal and its appurtenant features will remain unchanged. There will be no effect on the historic association of the V-Line Canal to the

Newlands Project; therefore, the proposed activities will not directly or indirectly alter any of the characteristics that make the V-Line Canal or the Newlands Project eligible for inclusion on the National Register and will not diminish the integrity of these historic properties. A finding of no adverse effect to historic properties pursuant to 36 CFR § 800.5(b) is applicable.

Based on the above discussion and the enclosed documentation, Reclamation finds no adverse effect to historic properties for the proposed undertaking. We invite your comments on our delineation of the APE and our efforts to identify historic properties. Reclamation requests your concurrence that the V-Line Canal is not eligible individually for inclusion in the National Register, and that it is eligible under Criterion A, as a contributing element of the Newlands Project. We also request your concurrence on our finding of no adverse effect for this undertaking. If you have any questions or concerns regarding this information, please contact Ms. BranDee Bruce, Architectural Historian, at 916-978-5039 or bbruce@usbr.gov, or Mr. Scott Williams, Archaeologist, at 916-978-5042 or sawilliams@usbr.gov.

Sincerely,



Anastasia T. Leigh
Regional Environmental Officer

Enclosure

cc: Josh Duerr
Lahontan Basin Area Office
705 North Plaza Street, Room 320
Carson City, NV 89701
(w/o encl)

CULTURAL RESOURCES COMPLIANCE
Division of Environmental Affairs
Cultural Resources Branch (MP-153)

MP-153 Tracking Number: 13-LBAO-012

Project Name: Southwest Gas PVC Pipe Replacement Project, Phase 4a, Fee in Title

NEPA Contact: Joshua Duerr and Roberta Tassey, Natural Resource Specialist(s)

MP 153 Cultural Resources Reviewer: Scott Williams, Archaeologist 

Date: March 6, 2015

Reclamation proposes the issuance of a land use authorization to Southwest Gas (SWG) to replace a portion of their existing gas line with a new pipeline on lands held in fee title by Reclamation. The project is situated immediately adjacent to the V-Line Canal, a component of the Newlands Project irrigation system near Fallon, Nevada. This action constitutes an undertaking with the potential to cause effects to historic properties, assuming such properties are present, requiring compliance with Section 106 of the National Historic Preservation Act (NHPA) as amended.

Based on historic properties identification efforts conducted by Far Western Anthropological Research, Reclamation consulted with (March 27, 2015), and received concurrence from (May 1, 2015), the State Historic Preservation Officer (SHPO) on a finding of no adverse effect to historic properties pursuant to 36 CFR §800.5(b). Consultation correspondence between Reclamation and the SHPO has been provided with this cultural resources compliance document for inclusion in the administrative record for this action.

This document serves as notification that Section 106 compliance has been completed for this undertaking. Please note that if project activities subsequently change, additional NHPA Section 106 review, including further consultation with the SHPO, may be required.

Attachments:

Letter: Reclamation to SHPO dated March 27, 2015

Letter: SHPO to Reclamation dated May 1, 2015