949 Lakeshore Blvd

Water Intake Line
NDEP 401 Water Quality Certification Application

949 Lakeshore Blvd, Incline Village, NV
Washoe County
APN 122-251-12

Exline & Company Inc., P O Box 16789, South Lake Tahoe, CA 96151 ○ Tel: 775 240 9361 ○ WWW.EXLINEANDCOMPANY.COM

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Submittal Letter

April 4th, 2025

Zachary Carter
Environmental Scientist III
Nevada Division of Environmental Protection
Bureau of Water Quality Planning
Department of Conservation and Natural Resources
901 S. Stewart Street, Suite 4001
Carson City, NV 89701

Subject: 401 Water Quality Certificate - Indigo Violet, LLC - Water Intake Line Installation, 949 Lakeshore Blvd, Incline Village, NV 89451
APN: 122-251-12

Dear Mr. Carter,

Please accept the attached 401 Water Quality Certificate Application for the proposed installation of a water intake line for the benefit of Indigo Violet, LLC, located at 949 Lakeshore Blvd, Incline VIllage NV 89451, with respective APN 122-251-12.

The project site is located within Scenic Shoreline Unit #23, in Non-Attainment status and is located in Tolerance District #7 and “Marginal” Fish Habitat.

Proposed Project
The proposed project is an installation of a water intake line to be used only for fire suppression purposes. The water intake line will be fastened to concrete anchors that will rest on the lake bed of Lake Tahoe at approximately 6216 ft above mean sea level (amsl). The concrete anchors will be 24” x 6” x 12” in size. The total lakebed disturbance from the concrete blocks is 3 cubic feet. The end of the water intake line will be equipped with an intake pump that is sized for the fire suppression system design. The intake pump will be fastened to a concrete anchor (as described above) and positioned in such a way that the water pump center line lies at approximately 6217.33 ft amsl. The remaining portion of the water intake line will be fastened to, and run up the length of an existing single use pier that is on the subject property; at which point it will run underground and into the home.

Fish Habitat

The lakebed disturbance as a result of the lowering of three concrete blocks is 3 cubic feet. The fish habitat within the project area is entirely mapped within "Marginal," therefore no additional mitigation is required or proposed.

Construction Methodology

The water intake line construction work will be performed from an amphibious vehicle and/or barge. The amphibious vehicle has low ground pressure tires which minimizes lakebed disturbance. The amphibian/barge will be parked adjacent to the shoreline or property location during non-construction periods. Crew will access the project location either by barge or through the upland property and park along Lakeshore Blvd.

At the discretion of the TRPA inspector, the use of caissons or turbidity curtains may be employed, if deemed appropriate.

The concrete anchor blocks will be placed by crane from a boat or barge resulting in minimal lake bottom disturbance.

The water intake line will be fastened to the concrete blocks via a stainless steel strap that is equipped with vibration dampening material. The anchor bolts used will be ½" bolts that will be embedded no less than 4" into the concrete anchor.

The amphibious barge operated during the project shall be checked and maintained daily to prevent leaks of petroleum materials. The barge's bilges will have oil absorbent pillows to separate any oil from the bilge water. Fueling will take place off-site a minimum of 100 feet from the lakeshore. Fueling shall be supervised by a minimum of two (2) crewmembers experienced in such operations.

The contractor will store and maintain a spill response kit on the barge at all times, which will include spill booms and oil absorbent pillows will be on site in a marked storage container, ready to deploy in case of spill. All lubricants, fuels, paint or other petroleum products will be stored on the deck of the barge, which will serve as a spill reservoir. No materials or supplies will be stored on the shoreline. No containers of fuel, paint or other hazardous materials will be stored on the pier when not in immediate use.

Please refer to the Spill Response Prevention Plan for additional response information.

Anticipated Implementation date(s)

Construction Schedule

The estimated construction is as follows. The exact construction dates are contingent upon gaining all agency authorizations; however, anticipated to be Winter 2025 / Spring 2026.

- Complete Construction Activities — Approx 120 Days

Start / Finish Dates Are Dependent On Permit Approval & Weather.

The project proponent hereby certifies that all information contained herein is true, accurate, and complete, to the best of my knowledge and belief and the project proponent hereby requests that the certifying authority review and take action on this 401 certification request within the applicable reasonable period of time.

Please contact us if you have any questions regarding this application request.

Sincerely,

Jaden Wuelzer

Jaden Wuelzer
Assistant Planner II

Enclosures:

1. NDEP 401 Water Quality Certification Application
2. Water Intake Line Site Plan
3. Spill Response Documentation

NDEP 401 Water Quality Certification Application

Clean Water Act Section 401 Water Quality Certification Application

Please refer to the "Clean Water Act Section 401 Water Quality Certification Application Guidance" document for assistance with completing this application.

A. Pre-Filing Meeting	
Please provide the date that a pre-filing meeting was requested from Nevada Division of Environmental Protection (NDEP) Bureau of Water Quality Planning (BWQP). *Note: If a pre-filing meeting has not been requested, please schedule a pre-filing meeting with NDEP BWQP.*	Pre-Filing meeting was requested on February 12th, 2025.

B. Contact Information			
Project Proponent Information			
Company Name: Indigo Violet LLC		Address: 300 E. 2nd St, Suite 1510-12	
Applicant Name: Allie Berkowitz		City: Reno	
Phone: 650-823-6549	Fax:	State: NV	
Email: allison@callapond.com		Zip Code: 89501	
Agent Information			
Company Name: Exline & Company, Inc.		Address: P.O. Box 16789	
Agent Name: Jaden Wuelzer		City: South Lake Tahoe	
Phone: 775-848-3314	Fax:	State: CA	
Email: general@exlineandcompany.com		Zip Code: 96151	

C. Project General Information			
Project Location			
Project/Site Name: 949 Lakeshore Blvd- Water Intake Line		Name of receiving waterbody: Lake Tahoe	
Address: 949 Lakeshore Blvd		Type of waterbody present at project location (*select all that apply*): ☐ Perennial River or Stream ☐ Intermittent River or Stream ☐ Ephemeral River or Stream ☑ Lake/Pond/Reservoir ☐ Wetland ☐ Other: _____	
City: Incline Village			
County: Washoe			
State: NV			
Zip Code: 89451			
Latitude (UTM or Dec/Deg): 39.1423		Longitude (UTM or Dec/Deg): 119.5700	
Township: 16N	Range: 18E	Section: 22	¼ Section: NW

Project Details		
Project purpose:	The purpose of the proposed project is to permit a water intake line that is to be associated with a littoral property within the Lake Tahoe Basin. The water intake line will only be used for fire suppression purposes in the event of an emergency.	
Describe current site conditions: Attachments can include, but are not limited to, relevant site data, photographs that represent current site conditions, or other relevant documentation.	There is an existing single use pier that extends approximately 140 feet from the Back shore Boundary at 6232'. The site is located in fish marginal habitat.	
Describe the proposed activity including methodology of each project element:	The proposed water intake line will be placed on the lake bed of Lake Tahoe, it will be fastened to concrete blocks and lowered from a barge via crane to it's final location. The remainder of the water intake line will run along the bottom of an existing pier up the shore of Lake Tahoe. At which point the line will be placed underground and ran into the home	
Estimate the nature, specific location, and number of discharge(s) expected to be authorized by the proposed activity:	One time discharge of 3 cubic feet is expected, it is associated with the lowering of the 3 concrete blocks to the lake bed	
Provide the date(s) on which the proposed activity is planned to begin and end and the approximate date(s) when any discharge(s) may commence:	Winter 2025/ Spring 2026. Contingent on remaining agency approvals	
Provide a list of the federal permit(s) or license(s) required to conduct the activity which may result in a discharge into regulated waters (see mandatory attachments):	USACE Nation Wide Permit 58 is required to conduct this activity in regulated waters	
Provide a list of all other federal, state, interstate, tribal, territorial, or local agency authorizations required for the proposed activity and the current status of each authorization:	TRPA Shorezone, USACE Nation Wide Permit 58, NDEP working in waters and NDSL applications all submitted concurrently with this application.	
Total area of impact to regulated waterbodies (acres):	The total impacted area is approximately 0.01 ac.	
Total distance of impact to regulated waterbodies (linear feet):	> 1 linear ft	
Amount excavation and/or fill discharged within regulated waters (acres, linear feet, and cubic yards):	Temporary: 0	Permanent: 3 cubic ft of expected permanent fill associated with the 3 concrete anchor blocks
Amount of dredge material discharged within regulated waters (acres, linear feet, and cubic yards):	Temporary: 0	Permanent: 0
Describe the reason(s) why avoidance of temporary fill in regulated waters is not practicable (if applicable):	The proposed project will result in a permanent installation of a water intake line for fire suppression use. The line will remain on the lake bed of Lake Tahoe when not in use, so as to be ready for fire suppression uses whenever the need may arise.	

Describe the Best Management Practices (BMPs) to be implemented to avoid and/or minimize impacts to regulated waters: Examples include sediment and erosion control measures, habitat preservation, flow diversions, dewatering, hazardous materials management, water quality monitoring, equipment or plans to treat, control, or manage discharges, etc.	Use of turbidity curtains and caissons may be implemented per TRPA instruction. The installation and construction/staging will be preformed aboard an amphibious vehicle or barge with low ground pressure tires which will ensure minimal lake bed disturbance. The concrete blocks will be lowered to the lake bed via a crane that is present on the barge, so as to impose the smallest disturbance within the lake due to construction activities.
Describe how the activity has been designed to avoid and/or minimize adverse effects, both temporary and permanent, to regulated waters:	Since the majority of the water intake line will run under the length of the pier no trenching in the lake bed is proposed. This will greatly decrease the amount of lake bed disturbance. The proposed water intake will only be used to fire suppression purposes so once installed there will be no actual use of this system unless required for emergency situation.
Describe any compensatory mitigation planned for this project (if applicable):	There is no compensatory mitigation planned for this project.

D. Signature		
Name and Title (Print): Jaden Wuelzer	Phone Number: 775-848-3314	Date: 3/12/2025
X Jaden Wuelzer Signature of Responsible Official		

Mandatory Attachments:

- **Federal Permit or License Application** - A copy of the federal permit or license application and any readily available water quality-related materials that informed the development of the federal license or permit application.
- **Site Map** - A map or diagram of the proposed project site including project boundaries in relation to regulated waters, local streets, roads, and highways.
- **Engineered Drawings** - Engineered drawings are preferred to be submitted at the 70% design level. If only conceptual designs are available at the time of application, plans for construction should be submitted prior to the start of the project. Specific locations of the proposed activities and details of specific work elements planned for the project should be identified (e.g., staging areas, concrete washouts, perimeter controls, water diversions, or other BMPs).

Submit the completed application materials to NDEP (ndep401@ndep.nv.gov) with the appropriate U.S. Army Corps of Engineers Regulatory Office copied on the communication (http://www.spk.usace.army.mil/Missions/Regulatory/Contacts/Contact-Your-Local-Office/).

Water Intake Line Site Plan

949 LAKESHORE BOULEVARD
WATER INTAKE PROJECT

LEGEND:

- FOUND AS NOTED
- NOTHING FOUND OR SET
- 104.2 — SPOT ELEVATION
- POWER POLE
- EXISTING TREE AS NOTED
- WV — WATER VALVE
- UTILITY AS NOTED
- 12"P — TREE, DIAMETER & TYPE
- 12"P — TREE TO BE REMOVED
- DRIPLINE TRENCH
- GRAVEL DRYWELL
- PAVEMENT
- CONCRETE
- DRAINAGE DIRECTION
- OHU — APPROX. ELECTRIC LINE
- APPROX. WATER LINE
- EASEMENT LINE
- VEGETATION PROTECTION FENCE
- EROSION CONTROL FENCE
- FIBER ROLL
- ROCK

COVERAGE TABLES:

Land District		% Coverage	Area (SF)	Base Allowable Area (SF)
Class 1b		1%	3,659	37
Class 4		20%	633	127
Class 6		30%	22,556	6,767
Total Base Allowable Coverage			**26,848**	**6,931**

Existing Land Coverage	Class 1b	Class 4	Class 6	SF
Residence incl. garage	0		4,973	4,973
Rock deck, stairs, walk	0	191	1,501	1,692
A/C paving	0		7	7
Concrete Drive	0		2,955	2,955
Pier	205		0	205
Total Verified (E) Coverage	**205**	**191**	**9,436**	**9,832**

Proposed Land Coverage	Class 1b	Class 4	Class 6	SF
Building	0		5,762	5,762
Terrace deck over concrete slab	0		256	256
Pervious drive, entry walk	0		3,219	3,219
Site Walls	0		166	166
Pool/Spa	0	179	51	230
Steps, Stone Entry Slabs and Amenity	0		274	274
Terrace Deck (Pedestal deck system with stone surface and BMP drain rock beneath)	0	121	785	906
Pier (existing)	205		0	205
Total Proposed Coverage	**205**	**300**	**10,513**	**11,018**
Pervious credit (.25 x 3,219= 805 SF)			-805	-805
Terrace Deck Exemption Credit (Sliding scale credit)		-121	-610	-731
Total Adjusted Proposed Coverage	**205**	**179**	**9,098**	**9,482**

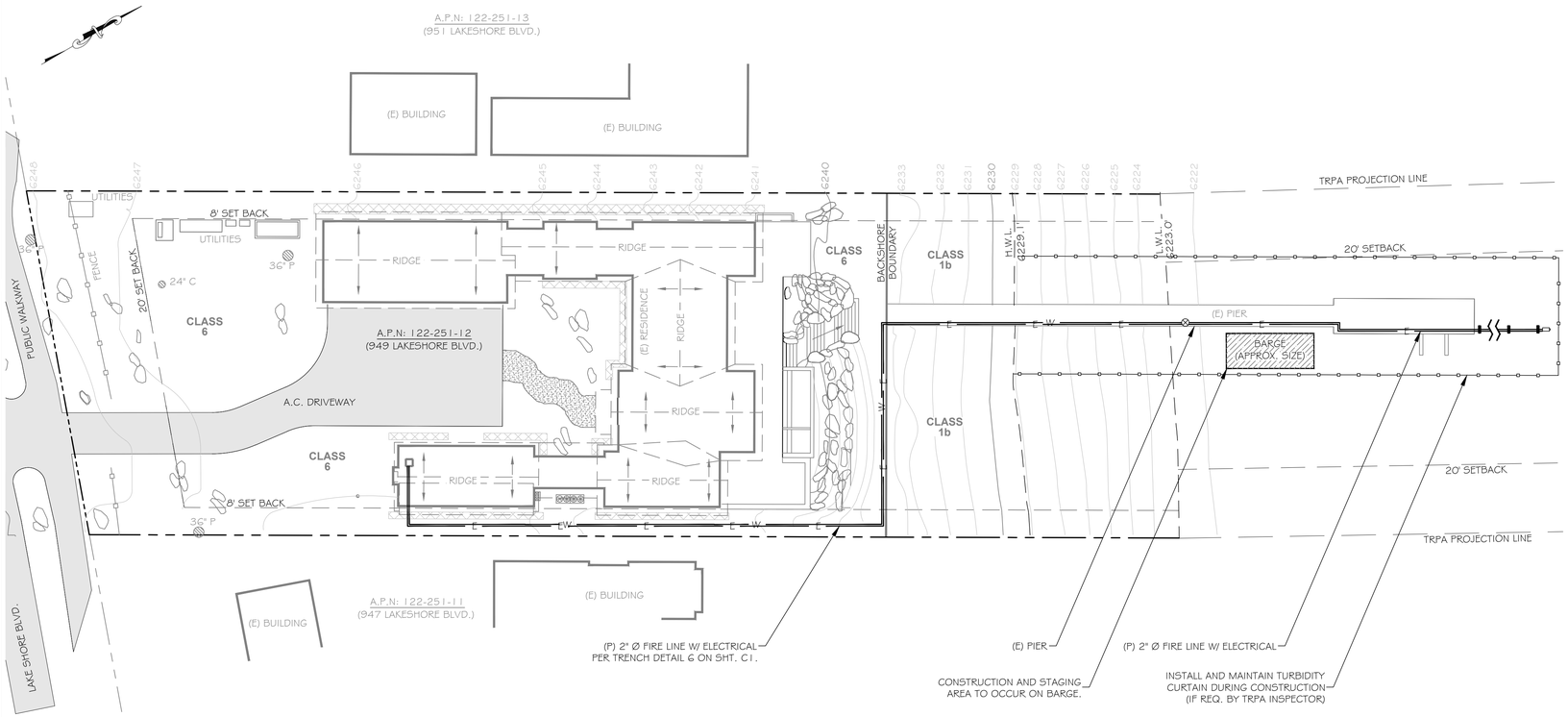
Off site coverage	
Existing	480 SF
Proposed	297 SF

Backshore coverage	
Existing backshore coverage to remain in place	205 SF
Area of Non-Sensitive Lands	23,189 SF
Maximum allowed credit exemptions for Class 4-7 lands	2,319 SF

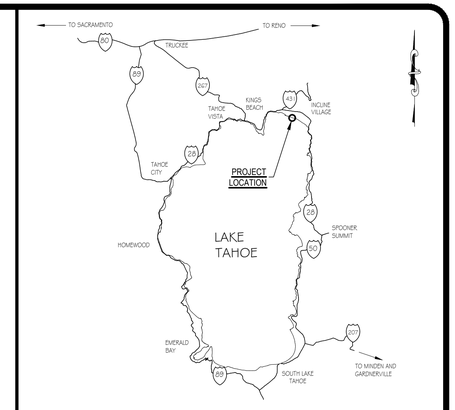
	Credits Allowed	Credits Taken
Maximum allowed pervious exemptions	1,569 SF	802 SF
Maximum allowed deck exemption credit	750 SF	731 SF

COVERAGE NOTE:

- NO CHANGE IN COVERAGE WILL OCCUR DUE TO WATER INTAKE LINE INSTALLATION.



SITE PLAN OVERVIEW
SCALE: 1"=20'-0"



AREA MAP
N.T.S.

SURVEY/GENERAL NOTES:

1. PIER DESIGN BASED ON SURVEY PROVIDED "RESOURCE CONCEPTS, INC." FERRELL CIVIL ENGINEERING WILL NOT BE RESPONSIBLE FOR THE ACCURACY OF THIS SURVEY.
2. THE PROPERTY LINE INFORMATION SHOWN HEREON IS FROM RECORD DATA AND DOES NOT REPRESENT A BOUNDARY SURVEY.
3. NO INVESTIGATION CONCERNING THE LOCATION OR EXISTENCE OF UNDER-GROUND UTILITY SERVICE LINES TO THIS PROPERTY WAS MADE AS A PART OF THIS SURVEY. CONTRACTOR TO BE RESPONSIBLE FOR CONTACTING UNDER-GROUND SERVICE ALERT PRIOR TO BEGINNING OF WORK. EVEN ON PRIVATE PROPERTY.
4. CONTRACTOR AND/OR OWNER TO VERIFY ALL EXISTING EASEMENTS, BUILDING SETBACKS AND ANY OTHER BUILDING RESTRICTIONS WHICH MAY AFFECT THIS PROPERTY/PROJECT PRIOR TO ANY CONSTRUCTION.
5. CONTRACTOR TO HAVE THE APPROVED TRPA PERMIT AND STAMPED PLANS ON SITE AT ALL TIMES DURING CONSTRUCTION.
6. CONTRACTOR SHALL COMPLY WITH ALL WASHOE COUNTY & TRPA SPECIAL AND STANDARD CONDITIONS OF APPROVAL SET FORTH IN THE PERMITS.

SHEET INDEX:

PROJECT INFORMATION:

OWNER: INDIGO VIOLET LLC
9650 GATEWAY DRIVE, SUITE #200
RENO, NV 89521

PLANNER: EXLINE & COMPANY, INC
ATTN: NICK EXLINE
P.O. BOX 16789
SOUTH LAKE TAHOE, CA 96151

ENGINEER: FERRELL CIVIL ENGINEERING
ATTN: TIM FERRELL
P.O. BOX 361
TAHOE VISTA, CA 96148
(530) 546-2752

PROJECT LOCATION: 949 LAKESHORE BLVD.
INCLINE VILLAGE, NV 89451

Call Two Working Days Before You Dig!

Dig Safely. Dig Safely.
CALL: 811

TIMOTHY FERRELL
No. 12927
Exp. 6-30-25
CIVIL
STATE OF NEVADA

2-27-25

DRAWN BY: ZRN DESIGN BY: ZRN
CHECKED BY: TKF DWG: P:\PIERS\LAKESHORE-949\FCE-P

REVISION	DATE	DESCRIPTION	APPROVED	DATE

Ferrell Civil Engineering
CA #C 55546 NV #12927
P.O. Box 361, Tahoe Vista, CA 96148
www.ferrellcivilengineering.com
ferrell@ftcivil.com
ph: 530.546.2752
fax: 530.546.4469

949 LAKESHORE BLVD. A.P.N.: 122-251-12

TITLE SHEET/SITE PLAN

INCLINE VILLAGE NEVADA

DATE: FEBRUARY 27, 2025
SCALE: 1"=20'-0"
W.O. NO. 949 LAKESHORE BLVD.

SHEET T1 OF 2


CLASS 6
BACKSHORE BOUNDARY
CLASS 1b
H.W.L. 6229.1'
L.W.L. 6223.0'
INSTALL (P) FIRE LINE PER TRENCH DETAIL 6 ON THIS SHT.
DRAIN VALVE TO BE INSTALLED ENSURE POSITIVE FLOW FROM BOTH SIDE
PIER F.F.E. = 6231.43 ±
(P) CONCRETE ANCHOR PER DETAIL 5 ON THIS SHT.
LOCATE PUMP/MOTOR AT LAKE BED ELEVATION 6216'.
EL: 6,221.1' ±
(P) 2" Ø POLYPROPYLENE FIRE LINE + ELECTRICAL ATTACHED TO (E) PIER JOISTS
(P) FIRE LINE PUMP PER DETAIL 4 ON THIS SHT.
FIRE LINE PUMP PLAN
SCALE: 1"=8'-0"
F.F.E. = 6231.4 ±
BAND ELECTRICAL LINE TO WATER LINE W/1" STAINLESS STEEL STRAPS AS REQUIRED
90° ELBOW OR 3' RADIUS BEND
CONCRETE ANCHOR FOR INTAKE PIPE 10' O.C. (TYP.) PER DETAIL 5 ON THIS SHT.
CONTRACTOR TO PROVIDE ANCHORS, WATERLINE, AND ELECTRICAL CONDUIT AS REQUIRE TO PLACE PUMP CENTERLINE AT LAKE BED ELEV. 6217.33'
PUMP SIZED BY FIRE SPRINKLER DESIGNER
INTAKE PUMP PER DETAIL 4 ON THIS SHT.
LAKE BED ELEV. = 6221.1' ±
LAKE BED ELEV. = 6216' ±
SECTION C-C N.T.S. 3
F.F.E. = 6231.4 ±
ATTACH 2" Ø HDPE FIRE LINE TO (E) PILE W/ UNISTRUT. PROVIDE 10 MILLIMETER POLYETHYLENE IN BETWEEN WATERLINE AND CLAMP
90° ELBOW OR 3' RADIUS BEND
SECTION B-B N.T.S. 2
F.F.E. = 6231.4 ±
ATTACH 2" Ø HDPE FIRE LINE TO (E) JOIST W/ UNISTRUT @ 48" O.C.
SECTION A-A N.T.S. 1
EXISTING GRADE
VARIES
28" MIN COVER
12"
6"
12"
INTERMEDIATE BACKFILL NATIVE 95% COMPACTION
INITIAL BACKFILL 90%COMPACTION CLASS A BEDDING STANDARD (SEE NOTE 1)
BEDDING AND HAUNCHING 90%COMPACTION CLASS A BEDDING STANDARD (SEE NOTE 1)
2" WATER LINE PER PLANS AND SPECIFICATIONS
3/4" POWER CONDUIT
6" 2" 6" 12"
DETAIL NOTES:
1. CLASS A BEDDING: USE CLEAN SAND PER SECTION 200.03.02 OF ORANGE BOOK
2. ALL DIMENSIONS SHOWN ARE MINIMUMS
WATER TRENCH DETAIL N.T.S. 6
STRAP ELECTRICAL CONDUIT TO PIPE
1" STAINLESS STEEL STRAP W/ POLYETHYLENE VIBRATION DAMPENER. ATTACH TO CONCRETE WITH 1/2" ANCHOR BOLTS. MIN EMBEDMENT = 4"
12"
24"
6"
CONCRETE ANCHORS N.T.S. 5
4" STAINLESS STEEL STRAP
6" Ø C900 PUMP HOUSING. L = PUMP/MOTOR + 6" ON EACH SIDE
MESH INLET COVER
4" Ø PUMP
BAND PUMP W/ POLYETHYLENE GASKETS AS REQUIRED TO POSITION PUMP IN CENTER OF 6" HOUSING PIPE
CONCRETE ANCHOR ATTACHED TO PUMP HOUSING. L = 24", D=6, H = 12"
WATER PUMP CENTER LINE ELEV. = 6217.33' ±
12" MIN
LAKE BED ELEV. = 6216' ±
*NOTE FILE EXPOSED TOP OF SHEET PILE TO REMOVE ANY IRREGULAR OR UNSAFE EDGES.
FIRE LINE PUMP HOUSING N.T.S. 4
REV. DATE DESCRIPTION APPROVED DATE
COMP.: FCE DESIGN: ZRN
DRAWN: ZRN PRJ.ENG.: TKF
WORK ORDER:
SCALE: AS NOTED HORIZONTAL: VERTICAL:
CAD: DATE: FEBRUARY 27, 2025
Ferrell Civil Engineering
CA #C 55546 NV #12927
P.O. Box 361, Tahoe Vista, CA 96148
ferrell@fcivil.com
ph: 530.546.2752
fax: 530.546.4469
2-27-25
TIMOTHY FERRELL No. 12927 Exp. 6-30-25 CIVIL STATE OF NEVADA
PROPOSED WATER LINE AND ELECTRICAL PLANS
949 LAKESHORE BLVD. - WATER INTAKE PROJECT
949 LAKESHORE BLVD. A.P.N.: 122-251-12 INCLINE VILLAGE, NV
C1

Spill Response Documentation

Spill Prevention Plan

Indigo Violet LLC

Water Intake Line

949 Lakeshore Blvd, Incline Village, NV 89451

Purpose

The objective of this plan is to prevent the interaction of hazardous material or equipment (i.e., fuel, epoxy glue, other volatile substances, welding and torch equipment, etc.), for construction activities occurring on the lake from a barge during the addition of a water intake line used for fire suppression. Concrete blocks will be lowered to the lakebed of Lake Tahoe during the construction. The details of the materials being used for construction are present on the water intake line site plan, which was submitted with the original application.

Emergency Phone Numbers

Agency	Phone Number
Nevada Division of Environmental	775-687-4670
Nevada Dept. of Fish & Wildlife	775-688-1506
U.S. Fish & Wildlife Service	1-800-344-WILD
U.S. Army Corps of Engineers	202-761-5909
North Lake Tahoe Fire Protection District	911
Washoe County Sheriff	911

Construction Methodology

All work will be done via a barge and there will be no interaction with the shoreline of Lake Tahoe. The project will require minimal construction and will unlikely require the use of hazardous materials. In the rare instance that a spill occurs from the barge, the below includes the following spill prevention details.

The installation of the water intake line will be performed primarily from the lake by the means of a Larc V amphibious vehicle and/or barge. The amphibious vehicle has low ground pressure rubber tires which will ensure minimal lakebed disturbance. The amphibious vehicle will be parked adjacent to the shoreline during non-construction periods. Crew access will be through the upland property and crew will park in private driveways or on the road.

At the discretion of the TRPA inspector, the use of caissons or turbidity curtains may be employed, if deemed appropriate. The contractor will constantly visually observe, while lowering the three concrete blocks to the lake bed. There is an anticipated one time discharge associated with the lowering of the concrete blocks, it will be approximately 18 cubic feet in size.

All components associated with water intake line installation will be pre-fabricated, pre-cut and pre-painted off-site at an on-shore warehouse and transported to the site by barge. Welding will be performed by electrically powered welders whenever possible to minimize air and noise pollution.

The amphibious barge operated during the project shall be checked and maintained daily to prevent leaks of petroleum materials. All lubricants, fuels, paint or other petroleum products will be stored on the deck of the barge, which will serve as a spill reservoir. No materials or supplies will be stored on the shoreline. No containers of fuel, paint or other hazardous materials will be stored on the pier or barge when not in immediate use. Fueling will take place off-site a minimum of 100 feet from the lakeshore. Fueling shall be supervised by a minimum of two crewmembers experienced in such operations. Depending on weather conditions, the installation of the boatlift will take approximately one to two weeks.

The permittee will ensure that all temporary Best Management Practices (BMPs) are installed and functioning throughout the duration of this project. If in the very unlikely event that hazardous material comes into contact with the waters of Lake Tahoe, the permittee will contact the appropriate agency established in the Contact List immediately.

Spill Prevention Measures

It is of utmost importance to have strong spill prevention measures in place, due to the sensitive environment of the Tahoe Basin. The following are prevention measures that will be in place at the project site:

1. Perform proper vehicle/equipment maintenance and inspections
    - All machinery found to be a potential source of a future spill shall be removed from the construction site and repaired.
    - Vehicles with chronic or continuous leaks must be removed from the construction site and repaired before returning to operations.
    - No leaking of any material from equipment or vehicles will be tolerated on the job site.

2. All maintenance materials, oils, grease, lubricants, antifreeze, etc. shall be stored off-site.
    - If they are required during field operations, they shall be placed in a designated area away from site activities and in an approved storage container.

3. No refueling, storage, servicing or maintenance of equipment shall take place within 100 feet of Lake Tahoe, drainage or sensitive environmental zones.
    - Any fluids drained from the machinery during servicing shall be collected in leak-proof containers and taken to an appropriate disposal or recycling facility.

4. During construction, all vehicles and equipment required on-site shall be parked or stored at least 100 feet away from rivers, streams, wetlands, known archaeological sites, and any other sensitive resource areas.

Spill Containment and Containment Kit Equipment

The general spill response procedure is: 1.) Stop the source of the spill, 2.) contain any spilled material, and 3.) clean up the spill timely to prevent accidental injury or other damage from occurring and 4.) further do whatever necessary (and safely) in the effort to protect the lake and surrounding environment.

Several measures can be taken to prepare for quick and effective containment of any potential spills prior to undertaking construction activities.

- ➔ Contractors shall keep adequate supplies of spill containment equipment at the construction site. These shall include specialized spill containment equipment (listed below).
- ➔ Drip pans and/or absorbent materials are to be used underneath equipment every time refueling, servicing or maintenance activities occur, to contain spill.

The barge will maintain a spill containment kit that will include:

- Sorbent socks/pillows
- Sheets/pads
- Disposal bags
- Safety glasses
- Rubber gloves
- Shovel(s)
- Broom

The kit will be onboard at all times during the duration of construction.

Emergency Response Procedures

Initial Notification and Activation

A formal notification process shall be initiated when a spill or potential spill is first observed. Immediate actions are necessary. The first individual who discovers a spill (Spill Observer) will be responsible for initiating notification and response procedures. All personnel responsible for responding to spills must have completed training in recognition and response to spills of hazardous materials. The contractor is responsible for providing spill recognition and response training for all contractor employees. The project personnel who must be notified and will assist in hazardous spill response include, but are not limited to:

- Spill Observer
- Contract Compliance Inspector
- Chief Contract Compliance Inspector
- Contractor's Job Superintendent
- Resident Project Engineer
- Spill Response Team

General responsibilities of the designated personnel are outlined as follows:

Spill Observer is the first person to witness a spill. They must immediately:

- Make an assessment of the incident as observed;
- If the incident can be safely controlled, take steps to do so (ex. Shut off the source of the spill).
- Notify the Contract Compliance Inspector. Provide as much information as possible;
- Begin to fill out the Spill Notification Checklist (Appendix A).
    - Determine if the spill response team is needed to accomplish cleanup;
    - Determine if additional spill response support is necessary;
    - Coordinate with the Resident Project Engineer to initiate spill response;
    - Initiate Spill Response Team;
    - Complete containment, cleanup and disposal of hazardous waste.

1. The first step at the discovery of any spill is to keep people away from the spilled material. Close off the area and do not leave the site unattended. Securing the source of the spill is an extremely important step in response activities. However, a source should be secured only if it can be performed safely without risk to human life or health. Steps to be taken to secure the source include turning off machinery, clamping or disabling hoses, etc.

2. The second step at the discovery of any spill is to fill out the Spill Notification Checklist (Appendix A).

Another key element in early response to all spills is determining the type of material spilled and the volume and extent of the spill. These facts should be determined as soon as possible in order to facilitate planning and initiate proper response operations. The volume will be needed to evaluate equipment and personnel needs, as well as requirements for storage and disposal of recovered waste. A rough estimate of the spill volume can be generated from visual observation and source identification. Minor spills are those that have the least probability of environmental damage, not necessarily the smallest volume.

Vehicle and Machinery Spills:

Incidents of loss of a petroleum product from equipment or vehicles shall be considered a spill. After the spill has been flagged to warn people to stay away, the volume and extent of the spill estimated, and initial notification procedures accomplished, the spill must be confined. Do not handle materials without wearing protective clothing (i.e. gloves, etc.). Use the Spill Response Flow Chart to determine the level of cleanup and response team necessary to handle the incident (Figure 1).

Generally, follow the steps listed below:

1. When the spill is discovered, begin making notifications on the Spill Notification Checklist.

2. Determine if the Spill Response Team is needed to complete cleanup.
    - If the answer is NO, submit incident reports to the Contractor and the Resident Project Engineer.
    - If the answer is YES, go to the next step.

3. Activate the local Spill Response Team. Generally, these are personnel designated on a construction crew, but the team may be supplemented by other contractor personnel.

4. Determine if additional cleanup contractors are necessary for a major incident.
    - If the answer is NO and the incident is determined to be a minor spill, conduct internal cleanup, review and evaluate cleanup, determine if the cleanup is beyond the local response team ability or equipment;
        - If the answer is NO, complete the cleanup, restore the damaged areas, properly dispose of all waste, and submit incident reports to the Contractor and the Resident Project Engineer.
        - If during the cleanup, the incident is determined to be beyond the abilities of the local response team, hire additional contractors to help with the cleanup.

- If the answer is YES, hire additional contractors to help with the cleanup.

5. The local Spill Response Team shall coordinate cleanup activities with the Contractor, the Resident Project Engineer, and agencies as appropriate.

6. Arrange for proper testing and disposal of all waste.

7. Closely monitor all cleanup activities.

8. Ensure proper disposal of absorbent materials, containers, and soils, as required.

Cleanup may range from very simple removal of minor spills, to installation of skimmers around large spills or between sensitive areas and spills for longer, prolonged cleanups. Cleanups can be on pavement or on soil surfaces. Contractor personnel shall be trained in the proper use of the cleanup materials.

All spills on pavement shall be thoroughly removed with absorbent socks, pillows, or pads and Lite-Dry (or equal) granules. After absorption, the granules shall also be removed. All materials used in cleanup shall then become hazardous waste. Place all materials in a 55 gallon lined drum, seal it, and label the contents. The drum must then be sent to a designated disposal site. A chain of custody form must accompany the drum (provided by disposal company). It is strongly recommended that all contractors determine a disposal site in advance of a spill incident.

All spills on soil require the same treatment as on pavement, with the exception that contaminated soil is also part of the generated hazardous waste and must be handled as such and removed from the site.

Absorbent materials shall remain in use until it has been determined by the Contractor and Contact Compliance Inspectors that a spill cleanup is complete and the incident is closed.

Unknown Hazardous Materials:

There is always a possibility that personnel may unexpectedly encounter a hazardous situation when working in the field. The most likely materials that may be encountered during excavation would be buried underground tanks, utility pipelines, drums, or asbestos pipe.

If there is *any* doubt regarding the degree of hazard of a particular circumstance and personnel are unsure as to what measures to take, the following steps shall be taken immediately to ensure the health and safety of the personnel involved.

1. STOP WORK IMMEDIATELY: Personnel shall remove themselves from the hazard or suspected area.

2. OBTAIN AS MANY DETAILS OF THE SITUATION AS POSSIBLE, WITHOUT ENDANGERING YOURSELF OR OTHERS. While obtaining information details:
    - Never enter confined spaces (i.e. excavation trench).
    - Do not handle any materials.
    - Extinguish all flames (i.e. welders, torches, cigarettes).
    - Do not remove objects from trenches or refill excavated area.

    Things to note:
    - ➢ Site location/address or closest cross street and station.
    - ➢ What was encountered (i.e. tank, drum, pipe, sewage, etc.)
    - ➢ Approximate size of object.
    - ➢ Odors or any discoloration of soils.
    - ➢ The type of material the object is made of (i.e. steel, fiberglass, plastic, etc.)
    - ➢ Was there, or is there, a potential for a spill, release, discharge, etc. of toxic or hazardous liquid, gas, vapor, dust, or mist?
    - ➢ Estimated amount of chemical released.

3. CONTACT SUPERVISORS IMMEDIATELY (CREW FOREMAN, CONTRACTOR'S LEAD CONTRACT COMPLIANCE INSPECTORS, AND CONTRACT COMPLIANCE INSPECTORS). IF YOU MUST LEAVE THE SITE TO NOTIFY SUPERVISORS:

    - Appoint personnel to police the site until you return.
    - Mark off the area of concern (i.e. flagging, cones, etc.).
    - Do not allow anyone to enter the site.

Following these actions, personnel shall be given proper direction from supervisors on how to proceed. By simply removing personnel from the hazard and maintaining good communications, many accidents can be avoided. Remember, if there is *any* doubt about the safety of on-site employees in a particular circumstance, initiate the proceeding course of action.

Use the Spill Response Flow Chart to determine the level of cleanup and response team necessary to handle the incident (Figure 1).

Reporting of Major Spills:

Upon recognition of a major spill, notification is critical to immediate response. The first notification shall be given to the nearest construction crew supervisor and the Contractor Lead Contract Compliance Inspector so that appropriate spill response can begin immediately. After the initial spill response has begun, notification and reporting to agency personnel shall occur.

The following guidelines should be followed when reporting major spills:

- Never include information that has not been verified;
- Never speculate as to the cause of the incident or make any acknowledgement of liability;
- Do not delay reporting because of incomplete information;
- Notify persons/agencies and document notification and the content of the message;
- Complete the Spill Notification Checklist as information is confirmed (Appendix A).
- The agencies to be notified will vary depending on the spill location. Refer to the Emergency Phone Numbers, that contains a listing of the agencies requiring notification, along with the project contact names and numbers.

Closing of the Spill Incident

Disposal of Waste:

Following the cleanup of a spill, the waste, absorbent materials, protective clothing, and any soil that has been contaminated must be removed to a designated hazardous waste disposal area.

- ➢ All contaminate materials shall be sealed in 55 gallon drums and labeled with the contents.
  - If the contaminant is unknown, a sample of the material must be collected and analyzed before disposal.
  - A permit or approval in writing must be obtained prior to disposal of the drum. A copy of the permit and a chain-of-custody form (obtained from the disposal contractor or testing laboratory) must accompany the material and copies must be attached to the Spill Notification Checklist submitted to the Contractor and Resident Project Engineer.

It is advisable for contractors to establish a relationship with a disposal facility before an incident occurs. Local landfills may be able to receive some petroleum products. However, it is up to the contractor to perform sampling, testing, and coordination with landfills or a disposal company. Transporting hazardous waste is regulated by federal and state agencies under the Resource Conservation and Recovery Act (RCRA) and other statutes. The contractor is responsible for the proper disposal of all waste and understanding the responsibilities under federal and state statutes.

Final Reporting:

Spill incidents that require cleanup must be reported on the Spill Notification Checklist. Notification must begin as soon as the incident occurs. The checklist shall be submitted to the Contractor and Resident Project Engineer as soon as it is complete. Forms must be submitted no longer than five days after an incident is closed. A copy of the permit or disposal approval and the chain-of-custody for the disposal must be attached to the Spill Notification Checklist. The forms shall be reviewed and filed in the contractor's file. No exceptions will be tolerated.

If the situation arises involving an unknown hazardous material, the Spill Notification Checklist can be used to report the incident. This incident may require a very different approach to removing the hazard and the contractor may be required to remove the material. The incident must still be reported by the contractor.

Follow-up Investigation:

A critique following a spill response is beneficial to evaluate the actions taken or omitted. Recommendations and suggested modifications will be made to prepare for the possibility of future spills. Should a contractor have an abnormally high incident of spills, corrective actions may become necessary. Contractors should consider the following examples of questions that are likely to be appropriate at each stage of the critique:

- Was the spill detected promptly?
- How was it detected and by whom?
- Could it have been detected earlier? How?

Appendix A: Spill Notification Checklist

1. Date:
2. Time:
3. Name:
4. Contractor:
5. Location/Station #:
6. Description of Spill (color, length, width, type):
7. Type of Product:
8. Estimated Quantity:
9. Source of Spill (vehicle, machine, etc.):
10. Describe initial containment procedures:
11. Weather Conditions:
12. Note if spill reached any body of water:
13. Individuals notified of spill (include name, company, date, time, and response):

Figure 1

Spill Response Flow Chart				
Spill Response Task				
Hazardous Materials and Location	**Assess the Spill**	**Secure the Area**	**Contain and Eliminate the Spill Source**	**Clean Up Spilled Material, Decontaminate Equipment, Dispose of Spilled and Contaminated Material**
On Deck On Shoreline	Determine approximate amount of material spilled and where spilled material has gone and is going. Call on-site spill responder. If spill is too large, dangerous, or involved to be cleaned up by on-site personnel, call spill response subcontractor. If spill is an immediate threat to human health or property, call 911.	Shut down work in areas affected by spill, remove non-response personnel from spill area, and prevent access to spill area by non-response personnel.	If safe to do so, eliminate spill source by shutting off equipment, closing leaking valves, etc. If safe to do so, contain spill using spill pads, spill booms, and absorbent materials from spill kits.	If spill is not too large, dangerous, or involved, clean up spilled material. If spill is too large, dangerous, or involved, work with spill response subcontractor and emergency personnel to clean up spill. Decontaminate all non-disposable equipment used in or contaminated during spill response. Disposal of spilled and contaminated materials and all decontamination fluids in accordance with all regulations at a legally permitted facility.

949 Lakeshore Blvd

Water Intake Line
USACE PCN Application for Water Intake Line Installation

949 Lakeshore Blvd, Incline Village, NV
Washoe County
APN 122-251-12

Exline & Company Inc., P O Box 16789, South Lake Tahoe, CA 96151 ○ Tel: 775 240 9361 ○ WWW.EXLINEANDCOMPANY.COM

Table of Contents

Submittal Letter

April 4th, 2025

U.S Army Corps of Engineers Sacramento District
300 Booth Street, Room 3050
Reno, Nevada, 89509-1328

Subject: **Pre-Construction Notification - Indigo Violet, LLC - Water Intake Line, 949 Lakeshore Blvd, Incline Village, NV 89451**
APN: 122-251-12

Dear USACE Staff,

Please accept the attached USACE Pre-Construction Notification application under the Nationwide Permit # 58 for utility line activities. The application is being submitted by Exline & Company ("The Agent") on behalf of Indigo Violet, LLC ("The Applicant"), to apply for the proposed project which includes the installation of a fire suppression water intake line for the benefit of Indigo Violet, LLC. Located at 949 Lakeshore Blvd. Incline Village, NV 89451 and has respective APN: 122-251-12.

The project site is located within Scenic Shoreline Unit #23, in Non-Attainment status and is located in Tolerance District #7 and "Marginal" fish habitat.

Proposed Project
The proposed project is an installation of a water intake line to be used only for fire suppression purposes. The water intake line will be fastened to concrete anchors that will rest on the lake bed of Lake Tahoe at approximately 6216 ft above mean sea level (amsl). The concrete anchors will be 24" x 6" x 12" in size. The total lakebed disturbance from the concrete blocks is 3 cubic feet. The end of the water intake line will be equipped with an intake pump that is sized for the fire suppression system design. The intake pump will be fastened to a concrete anchor (as described above) and positioned in such a way that the water pump center line lies at approximately 6217.33 ft amsl. The remaining portion of the water intake line will be fastened to, and run up the length of an existing single use pier that is on the subject property; at which point it will run underground and into the home.

Fish Habitat
The total lakebed disturbance as a result of the placement of the concrete blocks is 3 cubic feet. The fish habitat within the project area is entirely mapped as "Marginal" and therefore mitigation is not necessary.

Historic Properties

Historic properties in the vicinity were evaluated by cross referencing the National Register of Historic Places Database. No properties within the vicinity of the proposed project were identified as historical.

Endangered Species List

Endangered species were identified and listed in the “Endangered Species List” attachment. There is no known presence of any identified endangered species within the project area.

Disturbance and Mitigation

The proposed project involves lowering concrete blocks to the lake bed of Lake Tahoe, there is a one time discharge associated with the lowering of said blocks. The one time discharge will be equal to 3 cubic feet of disturbance. The use of turbidity curtains or caissons will be employed should TRPA require upon inspection.

Construction Methodology

The water intake line construction work will be performed from an amphibious vehicle and/or barge. The amphibious vehicle has low ground pressure tires which minimizes lakebed disturbance. The amphibian/barge will be parked adjacent to the shoreline or property location during non-construction periods. Crew will access the construction area either by barge or through the upland property and park along Lakeshore Blvd.

At the discretion of the TRPA inspector, the use of caissons or turbidity curtains may be employed, if deemed appropriate.

The water intake line’s anchor blocks will be placed by crane from a boat or barge resulting in minimal lake bottom disturbance.

The water intake line will be fastened to the concrete blocks via a stainless steel strap that is equipped with vibration dampening material. The anchor bolts used will be ½” bolts that will be embedded no less than 4” into the concrete anchor.

The amphibious barge operated during the project shall be checked and maintained daily to prevent leaks of petroleum materials. The barge’s bilges will have oil absorbent pillows to separate any oil from the bilge water. Fueling will take place off-site a minimum of 100 feet from the lakeshore. Fueling shall be supervised by a minimum of two (2) crewmembers experienced in such operations.

The contractor will store and maintain a spill response kit on the barge at all times, which will include spill booms and oil absorbent pillows will be on site in a marked storage container, ready to deploy in case of spill. All lubricants, fuels, paint or other petroleum products will be stored on the deck of the barge, which will serve as a spill reservoir. No materials or supplies will be stored on the shoreline. No containers of fuel, paint or other hazardous materials will be stored on the pier or barge when not in immediate use.

Please refer to the Spill Response Prevention Plan for additional response information.

Anticipated Implementation date(s)

Construction Schedule

The estimated construction is as follows. The exact construction dates are contingent upon gaining all agency authorizations; however, they are anticipated to take place during Winter 2025 / Spring 2026.

- Complete construction activities Approx 120 Days

Start / Finish Dates Are Dependent On Permit Approval & Weather.

The project proponent hereby certifies that all information contained herein is true, accurate, and complete, to the best of my knowledge and belief and the project proponent hereby requests that the certifying authority review and take action on this NWP 58 application within the applicable reasonable period of time.

Please contact us if you have any questions regarding this application request.

Sincerely,

Jaden Wuelzer

Jaden Wuelzer
Assistant Planner II

Enclosures:

1. Water Intake Line Site Plan
2. USACE Eng Form 6082
3. Endangered Species List
4. Spill Response Documentation

Water Intake Line Site Plan

949 LAKESHORE BOULEVARD
WATER INTAKE PROJECT

LEGEND:

- FOUND AS NOTED
- NOTHING FOUND OR SET
- 104.2 — SPOT ELEVATION
- POWER POLE
- EXISTING TREE AS NOTED
- WV — WATER VALVE
- UTILITY AS NOTED
- 12"P — TREE, DIAMETER & TYPE
- 12"P — TREE TO BE REMOVED
- DRIPLINE TRENCH
- GRAVEL DRYWELL
- PAVEMENT
- CONCRETE
- DRAINAGE DIRECTION
- OHU — APPROX. ELECTRIC LINE
- APPROX. WATER LINE
- EASEMENT LINE
- VEGETATION PROTECTION FENCE
- EROSION CONTROL FENCE
- FIBER ROLL
- ROCK

COVERAGE TABLES:

Land District		% Coverage	Area (SF)	Base Allowable Area (SF)
Class 1b		1%	3,659	37
Class 4		20%	633	127
Class 6		30%	22,556	6,767
Total Base Allowable Coverage			**26,848**	**6,931**

Existing Land Coverage	Class 1b	Class 4	Class 6	SF
Residence incl. garage	0		4,973	4,973
Rock deck, stairs, walk	0	191	1,501	1,692
A/C paving	0		7	7
Concrete Drive	0		2,955	2,955
Pier	205		0	205
Total Verified (E) Coverage	**205**	**191**	**9,436**	**9,832**

Proposed Land Coverage	Class 1b	Class 4	Class 6	SF
Building	0		5,762	5,762
Terrace deck over concrete slab	0		256	256
Pervious drive, entry walk	0		3,219	3,219
Site Walls	0		166	166
Pool/Spa	0	179	51	230
Steps, Stone Entry Slabs and Amenity	0		274	274
Terrace Deck (Pedestal deck system with stone surface and BMP drain rock beneath)	0	121	785	906
Pier (existing)	205		0	205
Total Proposed Coverage	**205**	**300**	**10,513**	**11,018**
Pervious credit (.25 x 3,219= 805 SF)			-805	-805
Terrace Deck Exemption Credit (Sliding scale credit)		-121	-610	-731
Total Adjusted Proposed Coverage	**205**	**179**	**9,098**	**9,482**

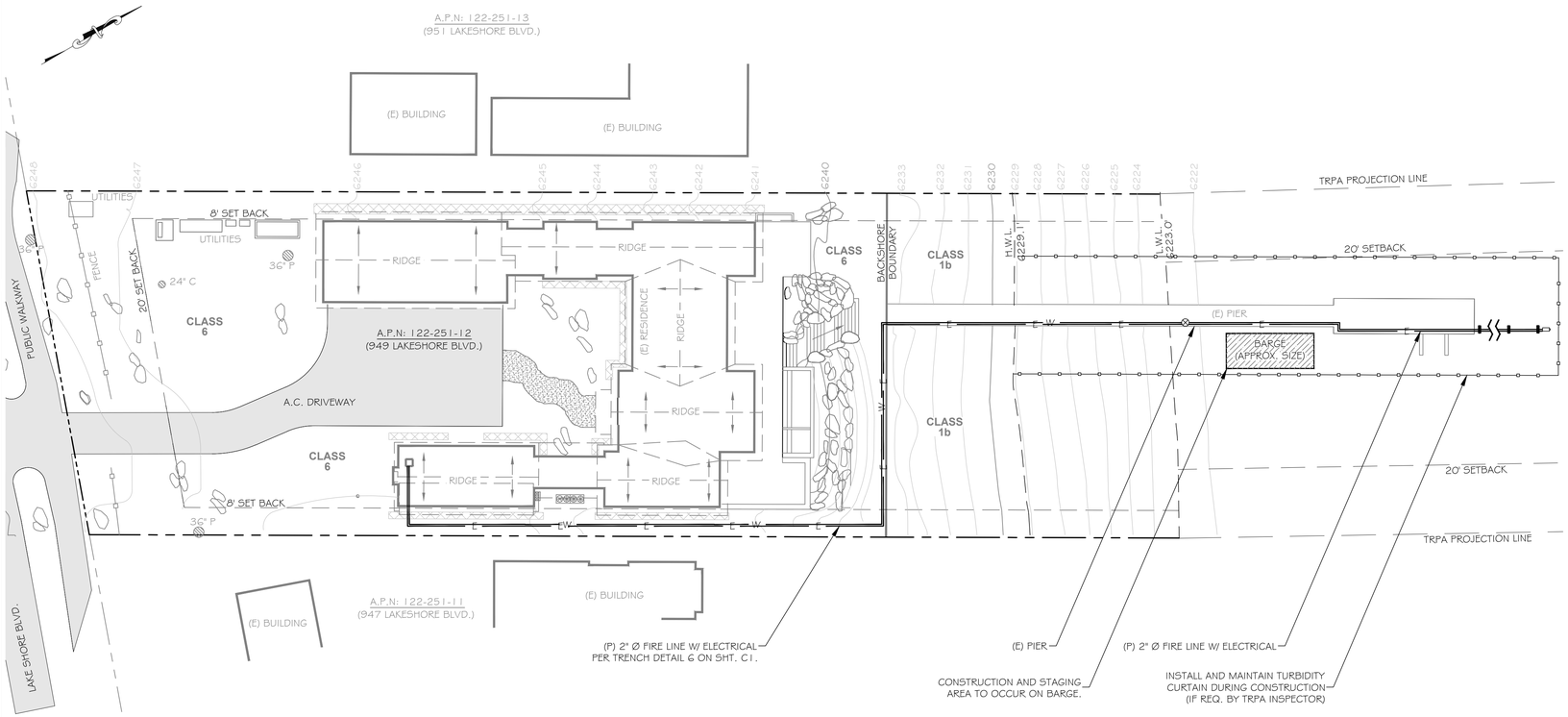
Off site coverage	
Existing	480 SF
Proposed	297 SF

Backshore coverage	
Existing backshore coverage to remain in place	205 SF
Area of Non-Sensitive Lands	23,189 SF
Maximum allowed credit exemptions for Class 4-7 lands	2,319 SF

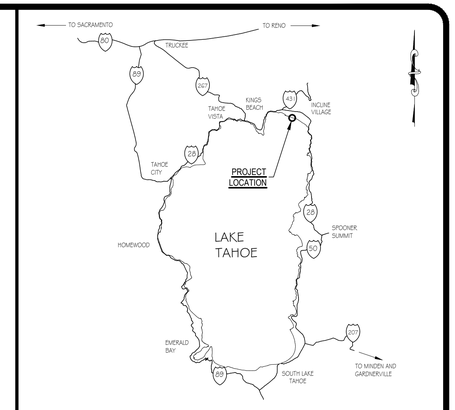
	Credits Allowed	Credits Taken
Maximum allowed pervious exemptions	1,569 SF	802 SF
Maximum allowed deck exemption credit	750 SF	731 SF

COVERAGE NOTE:

- NO CHANGE IN COVERAGE WILL OCCUR DUE TO WATER INTAKE LINE INSTALLATION.



SITE PLAN OVERVIEW
SCALE: 1"=20'-0"



AREA MAP
N.T.S.

SURVEY/GENERAL NOTES:

1. PIER DESIGN BASED ON SURVEY PROVIDED "RESOURCE CONCEPTS, INC." FERRELL CIVIL ENGINEERING WILL NOT BE RESPONSIBLE FOR THE ACCURACY OF THIS SURVEY.
2. THE PROPERTY LINE INFORMATION SHOWN HEREON IS FROM RECORD DATA AND DOES NOT REPRESENT A BOUNDARY SURVEY.
3. NO INVESTIGATION CONCERNING THE LOCATION OR EXISTENCE OF UNDER-GROUND UTILITY SERVICE LINES TO THIS PROPERTY WAS MADE AS A PART OF THIS SURVEY. CONTRACTOR TO BE RESPONSIBLE FOR CONTACTING UNDER-GROUND SERVICE ALERT PRIOR TO BEGINNING OF WORK. EVEN ON PRIVATE PROPERTY.
4. CONTRACTOR AND/OR OWNER TO VERIFY ALL EXISTING EASEMENTS, BUILDING SETBACKS AND ANY OTHER BUILDING RESTRICTIONS WHICH MAY AFFECT THIS PROPERTY/PROJECT PRIOR TO ANY CONSTRUCTION.
5. CONTRACTOR TO HAVE THE APPROVED TRPA PERMIT AND STAMPED PLANS ON SITE AT ALL TIMES DURING CONSTRUCTION.
6. CONTRACTOR SHALL COMPLY WITH ALL WASHOE COUNTY & TRPA SPECIAL AND STANDARD CONDITIONS OF APPROVAL SET FORTH IN THE PERMITS.

SHEET INDEX:

PROJECT INFORMATION:

OWNER: INDIGO VIOLET LLC
9650 GATEWAY DRIVE, SUITE #200
RENO, NV 89521

PLANNER: EXLINE & COMPANY, INC
ATTN: NICK EXLINE
P.O. BOX 16789
SOUTH LAKE TAHOE, CA 96151

ENGINEER: FERRELL CIVIL ENGINEERING
ATTN: TIM FERRELL
P.O. BOX 361
TAHOE VISTA, CA 96148
(530) 546-2752

PROJECT LOCATION: 949 LAKESHORE BLVD.
INCLINE VILLAGE, NV 89451

Call Two Working Days Before You Dig!

Dig Safely. Dig Safely.
CALL: 811

TIMOTHY FERRELL
No. 12927
Exp. 6-30-25
CIVIL
STATE OF NEVADA

2-27-25

DRAWN BY: ZRN DESIGN BY: ZRN
CHECKED BY: TKF DWG: P:\PIERS\LAKESHORE-949\FCE-P

REVISION	DATE	DESCRIPTION	APPROVED	DATE

Ferrell Civil Engineering
CA #C 55546 NV #12927
P.O. Box 361, Tahoe Vista, CA 96148
www.ferrellcivilengineering.com
ferrell@ftcivil.com
ph: 530.546.2752
fax: 530.546.4469

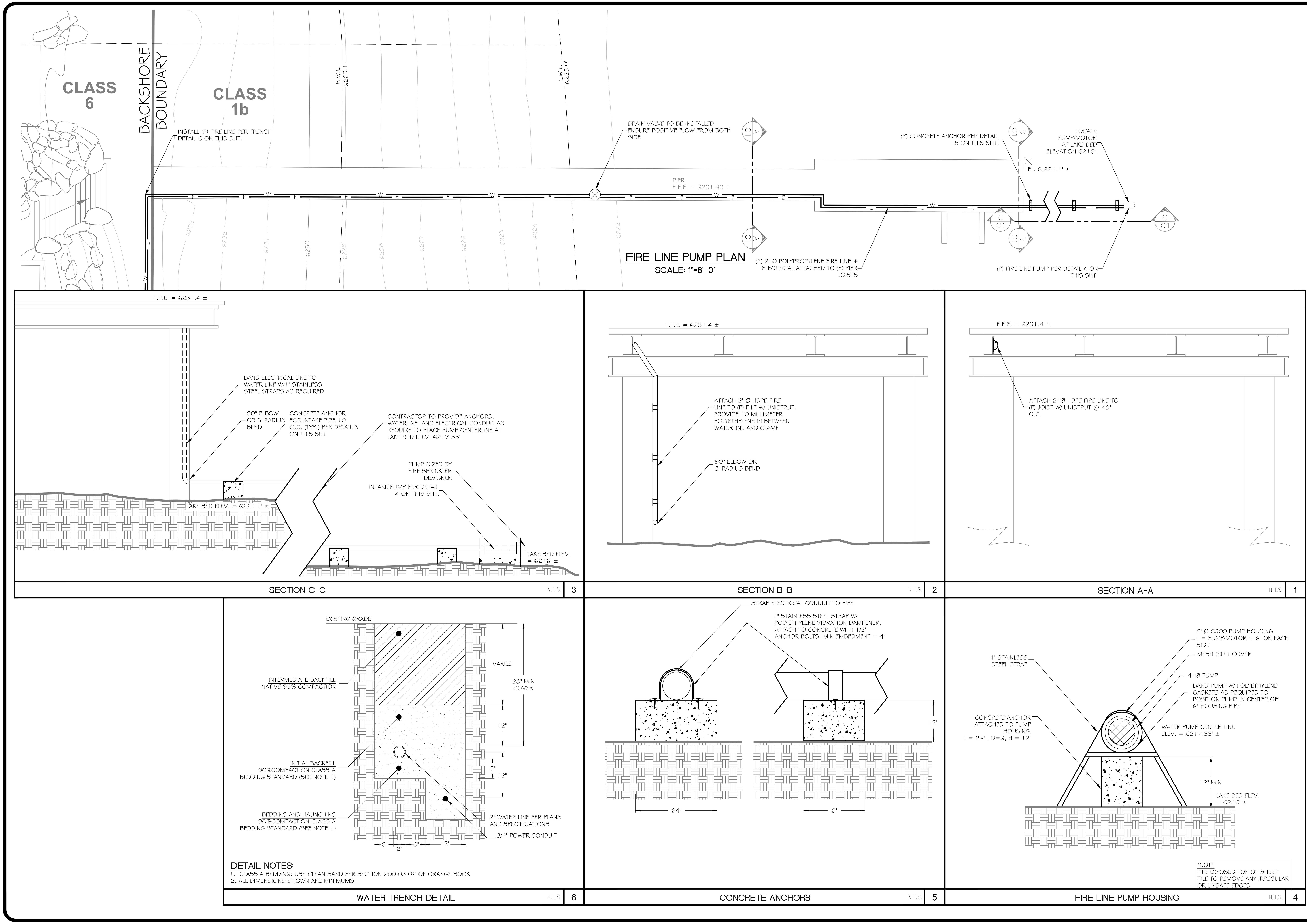
949 LAKESHORE BLVD. A.P.N.: 122-251-12

TITLE SHEET/SITE PLAN

INCLINE VILLAGE NEVADA

DATE: FEBRUARY 27, 2025
SCALE: 1"=20'-0"
W.O. NO. 949 LAKESHORE BLVD.

SHEET T1 OF 2



REV.	DATE	DESCRIPTION	APPROVED	DATE

COMP.: FCE DESIGN: ZRN
DRWN: ZRN PRJ.ENG.: TKF
WORK ORDER:
SCALE: AS NOTED
HORIZONTAL:
VERTICAL:
CAD: DATE: FEBRUARY 27, 2025

Ferrell Civil Engineering
CA #C 55546 NV #12927
P.O. Box 361, Tahoe Vista, CA 96148
ferrell@fcivil.com
ph: 530.546.2752
fax: 530.546.4469

2-27-25

Tim Ferrell
REGISTERED PROFESSIONAL ENGINEER
TIMOTHY FERRELL
No. 12927
Exp. 6-30-25
CIVIL
STATE OF NEVADA

PROPOSED WATER LINE AND ELECTRICAL PLANS

949 LAKESHORE BLVD. – WATER INTAKE PROJECT

949 LAKESHORE BLVD. A.P.N.: 122-251-12 INCLINE VILLAGE, NV

C1

USACE Eng Form 6082

U.S. Army Corps of Engineers (USACE)

NATIONWIDE PERMIT PRE-CONSTRUCTION NOTIFICATION (PCN)

For use of this form, see 33 CFR 330; the proponent agency is CECW-COR.

Form Approved - OMB No. 0710-0003 Expires: 2027-10-31

DATA REQUIRED BY THE PRIVACY ACT OF 1974

Authority	Rivers and Harbors Act, Section 10, 33 USC 403; Clean Water Act, Section 404, 33 USC 1344; Regulatory Program of the Corps of Engineers (Corps); Final Rule 33 CFR 320-332.
Principal Purpose	Information provided on this form will be used in evaluating the nationwide permit pre-construction notification.
Routine Uses	This information may be shared with the Department of Justice and other federal, state, and local government agencies, and the public and may be made available as part of the agency coordination process.
Disclosure	Submission of requested information is voluntary, however, if information is not provided the permit application cannot be evaluated nor can a permit be issued.

The public reporting burden for this collection of information, 0710-0003, is estimated to average 11 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or burden reduction suggestions to the Department of Defense, Washington Headquarters Services, at whs.mc-alex.esd.mbx.dd-dod-information-collections@mail.mil. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.

PLEASE DO NOT RETURN YOUR RESPONSE TO THE ABOVE EMAIL.

One set of original drawings or good reproducible copies which show the location and character of the proposed activity must be attached to this application (*see sample drawings and/or instructions*) and be submitted to the district engineer having jurisdiction over the location of the proposed activity. An application that is not completed in full will be returned.

(ITEMS 1 THRU 4 TO BE FILLED BY THE CORPS)

1. APPLICATION NO.	2. FIELD OFFICE CODE	3. DATE RECEIVED	4. DATE APPLICATION COMPLETE

(ITEMS BELOW TO BE FILLED BY APPLICANT)

5. APPLICANT'S NAME	8. AUTHORIZED AGENT'S NAME AND TITLE (*agent is not required*)
First - Allison Middle - Last - Berkowitz	First - Jaden Middle - Last - Wuelzer
Company - Indigo Violet LLC	Company - Exline & Company, Inc.
Company Title -	E-mail Address - jaden@exlineandcompany.com
E-mail Address - allison@callapond.com	
6. APPLICANT'S ADDRESS	**9. AGENT'S ADDRESS**
Address- 300 E. 2nd St, Suite 1510-12	Address- P.O. Box 16789
City - Reno State - NV ZIP - 89501 Country - US	City - S. Lake Tahoe State - CA ZIP - 96151 Country - US
7. APPLICANT'S PHONE NOs. with AREA CODE	**10. AGENT'S PHONE NOs. with AREA CODE**
a. Residence b. Business c. Fax d. Mobile Contact Agent	a. Residence b. Business c. Fax d. Mobile 775 848 3314

STATEMENT OF AUTHORIZATION

11. I hereby authorize, Jaden Wuelzer to act in my behalf as my agent in the processing of this nationwide permit pre-construction notification and to furnish, upon request, supplemental information in support of this nationwide permit pre-construction notification.

SIGNATURE OF APPLICANT 3/31/25 DATE

NAME, LOCATION, AND DESCRIPTION OF PROJECT OR ACTIVITY

12. PROJECT NAME or TITLE (*see instructions*)
949 Lakeshore - Water Intake Line

NAME, LOCATION, AND DESCRIPTION OF PROJECT OR ACTIVITY

13. NAME OF WATERBODY, IF KNOWN (*if applicable*)
Lake Tahoe

14. PROPOSED ACTIVITY STREET ADDRESS (*if applicable*)
949 Lakeshore Blvd.

15. LOCATION OF PROPOSED ACTIVITY (*see instructions*)

Latitude	°N	Longitude	°W
39.1423		119.5700	

City: Incline Village
State: NV
ZIP: 89451

16. OTHER LOCATION DESCRIPTIONS, IF KNOWN (*see instructions*)

State Tax Parcel ID
122-251-12

Municipality
Washoe County

Section	Township	Range
22 NW	16N	18E

17. DIRECTIONS TO THE SITE
Starting from Sacramento drive East on I-80 until you reach exit 188B in Truckee CA. Upon exit you will be on CA-267 S. Drive down CA-267 S until you reach Lakeshore Blvd. at which point you will turn right. Drive down Lakeshore Blvd until you reach address 949, the residence will be on your right.

18. IDENTIFY THE SPECIFIC NATIONWIDE PERMIT(S) YOU PROPOSE TO USE
NWP 58

19. DESCRIPTION OF PROPOSED NATIONWIDE PERMIT ACTIVITY (*see instructions*)
The proposed use of NWP 58 is for the installation of a water intake line from Lake Tahoe that will only be used for fire suppression, should the need arise. The request of NWP 58 is associated with the installation construction activities. There will be a one time discharge associated with the placement of three prefabricated concrete blocks that are 24" x 6" x 12". The associated one time discharged will be 3 cubic feet.

20. DESCRIPTION OF PROPOSED MITIGATION MEASURES (*see instructions*)
Should the Tahoe Regional Planning Agency require, the use of turbidity curtains or cassions will be employed during installation activities.

21. PURPOSE OF NATIONWIDE PERMIT ACTIVITY (*Describe the reason or purpose of the project, see instructions*)
The purpose of the proposed project is to provide sufficient fire suppression to the residence should the need arise.

22. QUANTITY OF WETLANDS, STREAMS, OR OTHER TYPES OF WATERS DIRECTLY AFFECTED BY PROPOSED NATIONWIDE PERMIT ACTIVITY (*see instructions*)

Acres	Linear Feet	Cubic Yards Dredged or Discharged
		3 cubic ft

Each PCN must include a delineation of wetlands, other special aquatic sites, and other waters, such as lakes and ponds, and perennial, intermittent, and ephemeral streams, on the project site.

23. List any other NWP(s), regional general permit(s), or individual permit(s) used or intended to be used to authorize any part of the proposed project or any related activity. (*see instructions*)
TRPA shorezone permit
NDEP 401 Water Quality Certificate
NDSL Permit
NDEP working in waters

24. If the proposed activity will result in the loss of greater than 1/10-acre of wetlands and/or the loss of greater than 3/100-acre of stream bed and requires pre-construction notification, explain how the compensatory mitigation requirement in paragraph (c) and/or paragraph (d) of general condition 23 will be satisfied, or explain why the adverse environmental effects are no more than minimal and why compensatory mitigation should not be required for the proposed activity.
N/A

25. Is any portion of the nationwide permit activity already complete? ☐ Yes ☒ No If Yes, describe the completed work:

26. List the name(s) of any species listed as endangered or threatened under the Endangered Species Act that might be affected by the proposed NWP activity or utilize the designated critical habitat that might be affected by the proposed NWP activity. (*see instructions*)

Please see the endangered species attachment for a comprehensive list of all endangered species within the state of Nevada. There are no known endangered species within the proposed project area.

27. List any historic properties that have the potential to be affected by the proposed NWP activity or include a vicinity map indicating the location of the historic property or properties. (*see instructions*)

There are no historical properties within the vicinity of the proposed project.

28. For a proposed NWP activity that will occur in a component of the National Wild and Scenic River System, or in a river officially designated by Congress as a "study river" for possible inclusion in the system while the river is in an official study status, identify the Wild and Scenic River or the "study river":

N/A

29. If the proposed NWP activity also requires permission from the Corps pursuant to 33 U.S.C. 408 because it will alter or temporarily or permanently occupy or use a U.S. Army Corps of Engineers federally authorized civil works project, have you submitted a written request for section 408 permission from the Corps district having jurisdiction over that project? ☐ Yes ☒ No

If "yes", please provide the date your request was submitted to the Corps district:

30. If the terms of the NWP(s) you want to use require additional information to be included in the PCN, please include that information in this space or provide it on an additional sheet of paper marked Block 30. (*see instructions*)

Please include that the water intake line will only be used for fire suppression purposes.

31. Pre-construction notification is hereby made for one or more nationwide permit(s) to authorize the work described in this notification. I certify that the information in this pre-construction notification is complete and accurate. I further certify that I possess the authority to undertake the work described herein or am acting as the duly authorized agent of the applicant.

SIGNATURE OF APPLICANT	DATE	SIGNATURE OF AGENT	DATE
[signature]	3/31/25	Jaden Wuelzer	4/4/2025

The pre-construction notification must be signed by the person who desires to undertake the proposed activity (applicant) and, if the statement in Block 11 has been filled out and signed, the authorized agent.

18 U.S.C. Section 1001 provides that: Whoever, in any manner within the jurisdiction of any department or agency of the United States knowingly and willfully falsifies, conceals, or covers up any trick, scheme, or disguises a material fact or makes any false, fictitious or fraudulent statements or representations or makes or uses any false writing or document knowing same to contain any false, fictitious or fraudulent statements or entry, shall be fined not more than $10,000 or imprisoned not more than five years or both.

Instructions for Preparing a

Department of the Army

Nationwide Permit (NWP) Pre-Construction Notification (PCN)

Blocks 1 through 4. To be completed by the Corps of Engineers.

Block 5. Applicant's Name. Enter the name and the e-mail address of the responsible party or parties. If the responsible party is an agency, company, corporation, or other organization, indicate the name of the organization and responsible officer and title. If more than one party is associated with the preconstruction notification, please attach a sheet of paper with the necessary information marked Block 5.

Block 6. Address of Applicant. Please provide the full address of the party or parties responsible for the PCN. If more space is needed, attach an extra sheet of paper marked Block 6.

Block 7. Applicant's Telephone Number(s). Please provide the telephone number where you can usually be reached during normal business hours.

Blocks 8 through 11. To be completed, if you choose to have an agent.

Block 8. Authorized Agent's Name and Title. Indicate name of individual or agency, designated by you, to represent you in this process. An agent can be an attorney, builder, contractor, engineer, consultant, or any other person or organization. Note: An agent is not required.

Blocks 9 and 10. Agent's Address and Telephone Number. Please provide the complete mailing address of the agent, along with the telephone number where he / she can be reached during normal business hours.

Block 11. Statement of Authorization. To be completed by the applicant, if an agent is to be employed.

Block 12. Proposed Nationwide Permit Activity Name or Title. Please provide a name identifying the proposed NWP activity, e.g., Windward Marina, Rolling Hills Subdivision, or Smith Commercial Center.

Block 13. Name of Waterbody. Please provide the name (if it has a name) of any stream, lake, marsh, or other waterway to be directly impacted by the NWP activity. If it is a minor (no name) stream, identify the waterbody the minor stream enters.

Block 14. Proposed Activity Street Address. If the proposed NWP activity is located at a site having a street address (not a box number), please enter it in Block 14.

Block 15. Location of Proposed Activity. Enter the latitude and longitude of where the proposed NWP activity is located. Indicate whether the project location provided is the center of the project or whether the project location is provided as the latitude and longitude for each of the "corners" of the project area requiring evaluation. If there are multiple sites, please list the latitude and longitude of each site (center or corners) on a separate sheet of paper and mark as Block 15.

Block 16. Other Location Descriptions. If available, provide the Tax Parcel Identification number of the site, Section, Township, and Range of the site (if known), and / or local Municipality where the site is located.

Block 17. Directions to the Site. Provide directions to the site from a known location or landmark. Include highway and street numbers as well as names. Also provide distances from known locations and any other information that would assist in locating the site. You may also provide a description of the location of the proposed NWP activity, such as lot numbers, tract numbers, or you may choose to locate the proposed NWP activity site from a known point (such as the right descending bank of Smith Creek, one mile downstream from the Highway 14 bridge). If a large river or stream, include the river mile of the proposed NWP activity site if known. If there are multiple locations, please indicate directions to each location on a separate sheet of paper and mark as Block 17.

Block 18. Identify the Specific Nationwide Permit(s) You Propose to Use. List the number(s) of the Nationwide Permit(s) you want to use to authorize the proposed activity (e.g., NWP 29).

Block 19. Description of the Proposed Nationwide Permit Activity. Describe the proposed NWP activity, including the direct and indirect adverse environmental effects the activity would cause. The description of the proposed activity should be sufficiently detailed to allow the district engineer to determine that the adverse environmental effects of the activity will be no more than minimal. Identify the materials to be used in construction, as well as the methods by which the work is to be done.

Provide sketches when necessary to show that the proposed NWP activity complies with the terms of the applicable NWP(s). Sketches usually clarify the activity and result in a quicker decision. Sketches should contain sufficient detail to provide an illustrative description of the proposed NWP activity (e.g.,a conceptual plan), but do not need to be detailed engineering plans.

The written descriptions and illustrations are an important part of the application. Please describe, in detail, what you wish to do. If more space is needed, attach an extra sheet of paper marked Block 19.

Block 20. Description of Proposed Mitigation Measures. Describe any proposed mitigation measures intended to reduce the adverse environmental effects caused by the proposed NWP activity. The description of any proposed mitigation measures should be sufficiently detailed to allow the district engineer to determine that the adverse environmental effects of the activity will be no more than minimal and to determine the need for compensatory mitigation or additional mitigation measures.

Block 21. Purpose of Nationwide Permit Activity. Describe the purpose and need for the proposed NWP activity. What will it be used for and why? Also include a brief description of any related activities associated with the proposed project. Provide the approximate dates you plan to begin and complete all work.

Block 22. Quantity of Wetlands, Streams, or Other Types of Waters Directly Affected by the Proposed Nationwide Permit Activity. For discharges of dredged or fill material into waters of the United States, provide the amount of wetlands, streams, or other types of waters filled, flooded, excavated, or drained by the proposed NWP activity. For structures or work in navigable waters of the United States subject to Section 10 of the Rivers and Harbors Act of 1899, provide the amount of navigable waters filled, dredged, or occupied by one or more structures (e.g., aids to navigation, mooring buoys) by the proposed NWP activity.

For multiple NWPs, or for separate and distant crossings of waters of the United States authorized by NWPs 12 or 14, attach an extra sheet of paper marked Block 21 to provide the quantities of wetlands, streams, or other types of waters filled, flooded, excavated, or drained (or dredged or occupied by structures, if in waters subject to Section 10 of the Rivers and Harbors Act of 1899) for each NWP. For NWPs 12 and 14, include the amount of wetlands, streams, or other types of waters filled, flooded, excavated, or drained for each separate and distant crossing of waters or wetlands. If more space is needed, attach an extra sheet of paper marked Block 22.

Block 23. Identify Any Other Nationwide Permit(s), Regional General Permit(s), or Individual Permit(s) Used to Authorize Any Part of Proposed Activity or Any Related Activity. List any other NWP(s), regional general permit(s), or individual permit(s) used or intended to be used to authorize any part of the proposed project or any related activity. For linear projects, list other separate and distant crossings of waters and wetlands authorized by NWPs 12 or 14 that do not require PCNs. If more space is needed, attach an extra sheet of paper marked Block 23.

Block 24. Compensatory Mitigation Statement for Losses of Greater Than 1/10-Acre of Wetlands and/or of Greater Than 3/100-Acre of Stream Bed When Pre-Construction Notification is Required. Paragraphs (c) and (d) of NWP general condition 23 require compensatory mitigation at a minimum one-for-one replacement ratio for all wetland losses that exceed 1/10-acre and/or for all losses of stream bed that exceed 3/100-acre, unless the district engineer determines in writing that either some other form of mitigation is more environmentally appropriate or the adverse environmental effects of the proposed NWP activity are no more than minimal without compensatory mitigation, and provides an activity-specific waiver of this requirement. Describe the proposed compensatory mitigation for wetland losses greater than 1/10 acre and/or for losses of stream bed that exceed 3/100-acre, or provide an explanation of why the district engineer should not require wetland and/or stream compensatory mitigation for the proposed NWP activity. If more space is needed, attach an extra sheet of paper marked Block 24.

Block 25. Is Any Portion of the Nationwide Permit Activity Already Complete? Describe any work that has already been completed for the NWP activity.

Block 26. List the Name(s) of Any Species Listed As Endangered or Threatened under the Endangered Species Act that Might be Affected by the Nationwide Permit Activity. If you are not a federal agency, and if any listed species or designated critical habitat might be affected or is in the vicinity of the proposed NWP activity, or if the proposed NWP activity is located in designated critical habitat, list the name(s) of those endangered or threatened species that might be affected by the proposed NWP activity or utilize the designated critical habitat that might be affected by the proposed NWP activity. If you are a Federal agency, and the proposed NWP activity requires a PCN, you must provide documentation demonstrating compliance with Section 7 of the Endangered Species Act.

Block 27. List Any Historic Properties that Have the Potential to be Affected by the Nationwide Permit Activity. If you are not a Federal agency, and if any historic properties have the potential to be affected by the proposed NWP activity, list the name(s) of those historic properties that have the potential to be affected by the proposed NWP activity. If you are a Federal agency, and the proposed NWP activity requires a PCN, you must provide documentation demonstrating compliance with Section 106 of the National Historic Preservation Act.

Block 28. List the Wild and Scenic River or Congressionally Designated Study River if the Nationwide Permit Activity Would Occur in such a River. If the proposed NWP activity will occur in a river in the National Wild and Scenic River System or in a river officially designated by Congress as a "study river" under the Wild and Scenic Rivers Act, provide the name of the river. For a list of Wild and Scenic Rivers and study rivers, please visit http://www.rivers.gov/.

Block 29. Nationwide Permit Activities that also Require Permission from the Corps Under 33 U.S.C. 408. If the proposed NWP activity also requires permission from the Corps under 33 U.S.C. 408 because it will temporarily or permanently alter, occupy, or use a Corps federal authorized civil works project, indicate whether you have submitted a written request for section 408 permission from the Corps district having jurisdiction over that project.

Block 30. Other Information Required For Nationwide Permit Pre-Construction Notifications. The terms of some of the Nationwide Permits include additional information requirements for preconstruction notifications:

* NWP 3, Maintenance –information regarding the original design capacities and configurations of the outfalls, intakes, small impoundments, and canals.
* NWP 31, Maintenance of Existing Flood Control Facilities –a description of the maintenance baseline and the dredged material disposal site.
* NWP 33, Temporary Construction, Access, and Dewatering –a restoration plan showing how all temporary fills and structures will be removed and the area restored to pre-project conditions.
* NWP 44, Mining Activities –if reclamation is required by other statutes, then a copy of the final reclamation plan must be submitted with the pre-construction notification.
* NWP 45, Repair of Uplands Damaged by Discrete Events –documentation, such as a recent topographic survey or photographs, to justify the extent of the proposed restoration.
* NWP 48, Commercial Shellfish Aquaculture Activities –(1) a map showing the boundaries of the project area, with latitude and longitude coordinates for each corner of the project area; (2) the name(s) of the species that will be cultivated during the period this NWP is in effect; (3) whether canopy predator nets will be used; (4) whether suspended cultivation techniques will be used; and (5) general water depths in the project area (a detailed survey is not required).
* NWP 49, Coal Remining Activities –a document describing how the overall mining plan will result in a net increase in aquatic resource functions must be submitted to the district engineer and receive written authorization prior to commencing the activity.
* NWP 50, Underground Coal Mining Activities –if reclamation is required by other statutes, then a copy of the reclamation plan must be submitted with the pre-construction notification.

If more space is needed, attach an extra sheet of paper marked Block 30.

Block 31. Signature of Applicant or Agent. The PCN must be signed by the person proposing to undertake the NWP activity, and if applicable, the authorized party (agent) that prepared the PCN. The signature of the person proposing to undertake the NWP activity shall be an affirmation that the party submitting the PCN possesses the requisite property rights to undertake the NWP activity (including compliance with special conditions, mitigation, etc.).

DELINEATION OF WETLANDS, OTHER SPECIAL AQUATIC SITES, AND OTHER WATERS

Each PCN must include a delineation of wetlands, other special aquatic sites, and other waters, such as lakes and ponds, and perennial, intermittent, and ephemeral streams, on the project site. Wetland delineations must be prepared in accordance with the current wetland delineation manual and regional supplement published by the Corps. The permittee may ask the Corps to delineate the special aquatic sites and other waters on the project site, but there may be a delay if the Corps does the delineation, especially if the project site is large or contains many wetlands, other special aquatic sites, and other waters. The 45 day PCN review period will not start until the delineation is submitted or has been completed by the Corps.

DRAWINGS AND ILLUSTRATIONS

General Information.

Three types of illustrations are needed to properly depict the work to be undertaken. These illustrations or drawings are identified as a Vicinity Map, a Plan View or a Typical Cross-Section Map. Identify each illustration with a figure or attachment number. For linear projects (e.g. roads, subsurface utility lines, etc.) gradient drawings should also be included. Please submit one original, or good quality copy, of all drawings on 8½x11 inch plain white paper (electronic media may be substituted). Use the fewest number of sheets necessary for your drawings or illustrations. Each illustration should identify the project, the applicant, and the type of illustration (vicinity map, plan view, or cross-section). While illustrations need not be professional (many small, private project illustrations are prepared by hand), they should be clear, accurate, and contain all necessary information.

ADDITIONAL INFORMATION AND REQUIREMENTS

For proposed NWP activities that involve discharges into waters of the United States, water quality certification from the State, Tribe, or EPA must be obtained or waived (see NWP general condition 25). Some States, Tribes, or EPA have issued water quality certification for one or more NWPs. Please check the appropriate Corps district web site to see if water quality certification has already been issued for the NWP(s) you wish to use. For proposed NWP activities in coastal states, state Coastal Zone Management Act consistency concurrence must be obtained, or a presumption of concurrence must occur (see NWP general condition 26). Some States have issued Coastal Zone Management Act consistency concurrences for one or more NWPs. Please check the appropriate Corps district web site to see if Coastal Zone Management Act consistency concurrence has already been issued for the NWP(s) you wish to use.

Endangered Species List

Endangered Species List

Amphibian		
	Mountain Yellow-Legged Frog (Sierra Nevada Distinct Population Segment)	Rana muscosa
Bird		
	Greater Sage-Grouse	Centrocercus urophasianus
Fish		
	Lahontan Cutthroat Trout	Oncorhynchus clarkii henshawi
Invertebrate		
	Carson Wandering Skipper	Pseudocopaeodes eunus obscurus
Plants		
	Tahoe Yellow Cress	Rorippa subumbellata
	Webber's Ivesia	Ivesia webberi

Spill Response Documentation

Spill Prevention Plan

Indigo Violet LLC

Water Intake Line

949 Lakeshore Blvd, Incline Village, NV 89451

Purpose

The objective of this plan is to prevent the interaction of hazardous material or equipment (i.e., fuel, epoxy glue, other volatile substances, welding and torch equipment, etc.), for construction activities occurring on the lake from a barge during the addition of a water intake line used for fire suppression. Concrete blocks will be lowered to the lakebed of Lake Tahoe during the construction. The details of the materials being used for construction are present on the water intake line site plan, which was submitted with the original application.

Emergency Phone Numbers

Agency	Phone Number
Nevada Division of Environmental	775-687-4670
Nevada Dept. of Fish & Wildlife	775-688-1506
U.S. Fish & Wildlife Service	1-800-344-WILD
U.S. Army Corps of Engineers	202-761-5909
North Lake Tahoe Fire Protection District	911
Washoe County Sheriff	911

Construction Methodology

All work will be done via a barge and there will be no interaction with the shoreline of Lake Tahoe. The project will require minimal construction and will unlikely require the use of hazardous materials. In the rare instance that a spill occurs from the barge, the below includes the following spill prevention details.

The installation of the water intake line will be performed primarily from the lake by the means of a Larc V amphibious vehicle and/or barge. The amphibious vehicle has low ground pressure rubber tires which will ensure minimal lakebed disturbance. The amphibious vehicle will be parked adjacent to the shoreline during non-construction periods. Crew access will be through the upland property and crew will park in private driveways or on the road.

At the discretion of the TRPA inspector, the use of caissons or turbidity curtains may be employed, if deemed appropriate. The contractor will constantly visually observe, while lowering the three concrete blocks to the lake bed. There is an anticipated one time discharge associated with the lowering of the concrete blocks, it will be approximately 18 cubic feet in size.

All components associated with water intake line installation will be pre-fabricated, pre-cut and pre-painted off-site at an on-shore warehouse and transported to the site by barge. Welding will be performed by electrically powered welders whenever possible to minimize air and noise pollution.

The amphibious barge operated during the project shall be checked and maintained daily to prevent leaks of petroleum materials. All lubricants, fuels, paint or other petroleum products will be stored on the deck of the barge, which will serve as a spill reservoir. No materials or supplies will be stored on the shoreline. No containers of fuel, paint or other hazardous materials will be stored on the pier or barge when not in immediate use. Fueling will take place off-site a minimum of 100 feet from the lakeshore. Fueling shall be supervised by a minimum of two crewmembers experienced in such operations. Depending on weather conditions, the installation of the boatlift will take approximately one to two weeks.

The permittee will ensure that all temporary Best Management Practices (BMPs) are installed and functioning throughout the duration of this project. If in the very unlikely event that hazardous material comes into contact with the waters of Lake Tahoe, the permittee will contact the appropriate agency established in the Contact List immediately.

Spill Prevention Measures

It is of utmost importance to have strong spill prevention measures in place, due to the sensitive environment of the Tahoe Basin. The following are prevention measures that will be in place at the project site:

1. Perform proper vehicle/equipment maintenance and inspections
    - All machinery found to be a potential source of a future spill shall be removed from the construction site and repaired.
    - Vehicles with chronic or continuous leaks must be removed from the construction site and repaired before returning to operations.
    - No leaking of any material from equipment or vehicles will be tolerated on the job site.

2. All maintenance materials, oils, grease, lubricants, antifreeze, etc. shall be stored off-site.
    - If they are required during field operations, they shall be placed in a designated area away from site activities and in an approved storage container.

3. No refueling, storage, servicing or maintenance of equipment shall take place within 100 feet of Lake Tahoe, drainage or sensitive environmental zones.
    - Any fluids drained from the machinery during servicing shall be collected in leak-proof containers and taken to an appropriate disposal or recycling facility.

4. During construction, all vehicles and equipment required on-site shall be parked or stored at least 100 feet away from rivers, streams, wetlands, known archaeological sites, and any other sensitive resource areas.

Spill Containment and Containment Kit Equipment

The general spill response procedure is: 1.) Stop the source of the spill, 2.) contain any spilled material, and 3.) clean up the spill timely to prevent accidental injury or other damage from occurring and 4.) further do whatever necessary (and safely) in the effort to protect the lake and surrounding environment.

Several measures can be taken to prepare for quick and effective containment of any potential spills prior to undertaking construction activities.

- ➔ Contractors shall keep adequate supplies of spill containment equipment at the construction site. These shall include specialized spill containment equipment (listed below).
- ➔ Drip pans and/or absorbent materials are to be used underneath equipment every time refueling, servicing or maintenance activities occur, to contain spill.

The barge will maintain a spill containment kit that will include:

- Sorbent socks/pillows
- Sheets/pads
- Disposal bags
- Safety glasses
- Rubber gloves
- Shovel(s)
- Broom

The kit will be onboard at all times during the duration of construction.

Emergency Response Procedures

Initial Notification and Activation

A formal notification process shall be initiated when a spill or potential spill is first observed. Immediate actions are necessary. The first individual who discovers a spill (Spill Observer) will be responsible for initiating notification and response procedures. All personnel responsible for responding to spills must have completed training in recognition and response to spills of hazardous materials. The contractor is responsible for providing spill recognition and response training for all contractor employees. The project personnel who must be notified and will assist in hazardous spill response include, but are not limited to:

- Spill Observer
- Contract Compliance Inspector
- Chief Contract Compliance Inspector
- Contractor's Job Superintendent
- Resident Project Engineer
- Spill Response Team

General responsibilities of the designated personnel are outlined as follows:

Spill Observer is the first person to witness a spill. They must immediately:

- Make an assessment of the incident as observed;
- If the incident can be safely controlled, take steps to do so (ex. Shut off the source of the spill).
- Notify the Contract Compliance Inspector. Provide as much information as possible;
- Begin to fill out the Spill Notification Checklist (Appendix A).
    - Determine if the spill response team is needed to accomplish cleanup;
    - Determine if additional spill response support is necessary;
    - Coordinate with the Resident Project Engineer to initiate spill response;
    - Initiate Spill Response Team;
    - Complete containment, cleanup and disposal of hazardous waste.

1. The first step at the discovery of any spill is to keep people away from the spilled material. Close off the area and do not leave the site unattended. Securing the source of the spill is an extremely important step in response activities. However, a source should be secured only if it can be performed safely without risk to human life or health. Steps to be taken to secure the source include turning off machinery, clamping or disabling hoses, etc.

2. The second step at the discovery of any spill is to fill out the Spill Notification Checklist (Appendix A).

Another key element in early response to all spills is determining the type of material spilled and the volume and extent of the spill. These facts should be determined as soon as possible in order to facilitate planning and initiate proper response operations. The volume will be needed to evaluate equipment and personnel needs, as well as requirements for storage and disposal of recovered waste. A rough estimate of the spill volume can be generated from visual observation and source identification. Minor spills are those that have the least probability of environmental damage, not necessarily the smallest volume.

Vehicle and Machinery Spills:

Incidents of loss of a petroleum product from equipment or vehicles shall be considered a spill. After the spill has been flagged to warn people to stay away, the volume and extent of the spill estimated, and initial notification procedures accomplished, the spill must be confined. Do not handle materials without wearing protective clothing (i.e. gloves, etc.). Use the Spill Response Flow Chart to determine the level of cleanup and response team necessary to handle the incident (Figure 1).

Generally, follow the steps listed below:

1. When the spill is discovered, begin making notifications on the Spill Notification Checklist.

2. Determine if the Spill Response Team is needed to complete cleanup.
    - If the answer is NO, submit incident reports to the Contractor and the Resident Project Engineer.
    - If the answer is YES, go to the next step.

3. Activate the local Spill Response Team. Generally, these are personnel designated on a construction crew, but the team may be supplemented by other contractor personnel.

4. Determine if additional cleanup contractors are necessary for a major incident.
    - If the answer is NO and the incident is determined to be a minor spill, conduct internal cleanup, review and evaluate cleanup, determine if the cleanup is beyond the local response team ability or equipment;
        - If the answer is NO, complete the cleanup, restore the damaged areas, properly dispose of all waste, and submit incident reports to the Contractor and the Resident Project Engineer.
        - If during the cleanup, the incident is determined to be beyond the abilities of the local response team, hire additional contractors to help with the cleanup.

- If the answer is YES, hire additional contractors to help with the cleanup.

5. The local Spill Response Team shall coordinate cleanup activities with the Contractor, the Resident Project Engineer, and agencies as appropriate.

6. Arrange for proper testing and disposal of all waste.

7. Closely monitor all cleanup activities.

8. Ensure proper disposal of absorbent materials, containers, and soils, as required.

Cleanup may range from very simple removal of minor spills, to installation of skimmers around large spills or between sensitive areas and spills for longer, prolonged cleanups. Cleanups can be on pavement or on soil surfaces. Contractor personnel shall be trained in the proper use of the cleanup materials.

All spills on pavement shall be thoroughly removed with absorbent socks, pillows, or pads and Lite-Dry (or equal) granules. After absorption, the granules shall also be removed. All materials used in cleanup shall then become hazardous waste. Place all materials in a 55 gallon lined drum, seal it, and label the contents. The drum must then be sent to a designated disposal site. A chain of custody form must accompany the drum (provided by disposal company). It is strongly recommended that all contractors determine a disposal site in advance of a spill incident.

All spills on soil require the same treatment as on pavement, with the exception that contaminated soil is also part of the generated hazardous waste and must be handled as such and removed from the site.

Absorbent materials shall remain in use until it has been determined by the Contractor and Contact Compliance Inspectors that a spill cleanup is complete and the incident is closed.

Unknown Hazardous Materials:

There is always a possibility that personnel may unexpectedly encounter a hazardous situation when working in the field. The most likely materials that may be encountered during excavation would be buried underground tanks, utility pipelines, drums, or asbestos pipe.

If there is *any* doubt regarding the degree of hazard of a particular circumstance and personnel are unsure as to what measures to take, the following steps shall be taken immediately to ensure the health and safety of the personnel involved.

1. STOP WORK IMMEDIATELY: Personnel shall remove themselves from the hazard or suspected area.

2. OBTAIN AS MANY DETAILS OF THE SITUATION AS POSSIBLE, WITHOUT ENDANGERING YOURSELF OR OTHERS. While obtaining information details:
    - Never enter confined spaces (i.e. excavation trench).
    - Do not handle any materials.
    - Extinguish all flames (i.e. welders, torches, cigarettes).
    - Do not remove objects from trenches or refill excavated area.

    Things to note:
    - ➢ Site location/address or closest cross street and station.
    - ➢ What was encountered (i.e. tank, drum, pipe, sewage, etc.)
    - ➢ Approximate size of object.
    - ➢ Odors or any discoloration of soils.
    - ➢ The type of material the object is made of (i.e. steel, fiberglass, plastic, etc.)
    - ➢ Was there, or is there, a potential for a spill, release, discharge, etc. of toxic or hazardous liquid, gas, vapor, dust, or mist?
    - ➢ Estimated amount of chemical released.

3. CONTACT SUPERVISORS IMMEDIATELY (CREW FOREMAN, CONTRACTOR'S LEAD CONTRACT COMPLIANCE INSPECTORS, AND CONTRACT COMPLIANCE INSPECTORS). IF YOU MUST LEAVE THE SITE TO NOTIFY SUPERVISORS:

    - Appoint personnel to police the site until you return.
    - Mark off the area of concern (i.e. flagging, cones, etc.).
    - Do not allow anyone to enter the site.

Following these actions, personnel shall be given proper direction from supervisors on how to proceed. By simply removing personnel from the hazard and maintaining good communications, many accidents can be avoided. Remember, if there is *any* doubt about the safety of on-site employees in a particular circumstance, initiate the proceeding course of action.

Use the Spill Response Flow Chart to determine the level of cleanup and response team necessary to handle the incident (Figure 1).

Reporting of Major Spills:

Upon recognition of a major spill, notification is critical to immediate response. The first notification shall be given to the nearest construction crew supervisor and the Contractor Lead Contract Compliance Inspector so that appropriate spill response can begin immediately. After the initial spill response has begun, notification and reporting to agency personnel shall occur.

The following guidelines should be followed when reporting major spills:

- Never include information that has not been verified;
- Never speculate as to the cause of the incident or make any acknowledgement of liability;
- Do not delay reporting because of incomplete information;
- Notify persons/agencies and document notification and the content of the message;
- Complete the Spill Notification Checklist as information is confirmed (Appendix A).
- The agencies to be notified will vary depending on the spill location. Refer to the Emergency Phone Numbers, that contains a listing of the agencies requiring notification, along with the project contact names and numbers.

Closing of the Spill Incident

Disposal of Waste:

Following the cleanup of a spill, the waste, absorbent materials, protective clothing, and any soil that has been contaminated must be removed to a designated hazardous waste disposal area.

- ➢ All contaminate materials shall be sealed in 55 gallon drums and labeled with the contents.
  - If the contaminant is unknown, a sample of the material must be collected and analyzed before disposal.
  - A permit or approval in writing must be obtained prior to disposal of the drum. A copy of the permit and a chain-of-custody form (obtained from the disposal contractor or testing laboratory) must accompany the material and copies must be attached to the Spill Notification Checklist submitted to the Contractor and Resident Project Engineer.

It is advisable for contractors to establish a relationship with a disposal facility before an incident occurs. Local landfills may be able to receive some petroleum products. However, it is up to the contractor to perform sampling, testing, and coordination with landfills or a disposal company. Transporting hazardous waste is regulated by federal and state agencies under the Resource Conservation and Recovery Act (RCRA) and other statutes. The contractor is responsible for the proper disposal of all waste and understanding the responsibilities under federal and state statutes.

Final Reporting:

Spill incidents that require cleanup must be reported on the Spill Notification Checklist. Notification must begin as soon as the incident occurs. The checklist shall be submitted to the Contractor and Resident Project Engineer as soon as it is complete. Forms must be submitted no longer than five days after an incident is closed. A copy of the permit or disposal approval and the chain-of-custody for the disposal must be attached to the Spill Notification Checklist. The forms shall be reviewed and filed in the contractor's file. No exceptions will be tolerated.

If the situation arises involving an unknown hazardous material, the Spill Notification Checklist can be used to report the incident. This incident may require a very different approach to removing the hazard and the contractor may be required to remove the material. The incident must still be reported by the contractor.

Follow-up Investigation:

A critique following a spill response is beneficial to evaluate the actions taken or omitted. Recommendations and suggested modifications will be made to prepare for the possibility of future spills. Should a contractor have an abnormally high incident of spills, corrective actions may become necessary. Contractors should consider the following examples of questions that are likely to be appropriate at each stage of the critique:

- Was the spill detected promptly?
- How was it detected and by whom?
- Could it have been detected earlier? How?

Appendix A: Spill Notification Checklist

1. Date:
2. Time:
3. Name:
4. Contractor:
5. Location/Station #:
6. Description of Spill (color, length, width, type):
7. Type of Product:
8. Estimated Quantity:
9. Source of Spill (vehicle, machine, etc.):
10. Describe initial containment procedures:
11. Weather Conditions:
12. Note if spill reached any body of water:
13. Individuals notified of spill (include name, company, date, time, and response):

Figure 1

Spill Response Flow Chart				
Spill Response Task				
Hazardous Materials and Location	**Assess the Spill**	**Secure the Area**	**Contain and Eliminate the Spill Source**	**Clean Up Spilled Material, Decontaminate Equipment, Dispose of Spilled and Contaminated Material**
On Deck On Shoreline	Determine approximate amount of material spilled and where spilled material has gone and is going. Call on-site spill responder. If spill is too large, dangerous, or involved to be cleaned up by on-site personnel, call spill response subcontractor. If spill is an immediate threat to human health or property, call 911.	Shut down work in areas affected by spill, remove non-response personnel from spill area, and prevent access to spill area by non-response personnel.	If safe to do so, eliminate spill source by shutting off equipment, closing leaking valves, etc. If safe to do so, contain spill using spill pads, spill booms, and absorbent materials from spill kits.	If spill is not too large, dangerous, or involved, clean up spilled material. If spill is too large, dangerous, or involved, work with spill response subcontractor and emergency personnel to clean up spill. Decontaminate all non-disposable equipment used in or contaminated during spill response. Disposal of spilled and contaminated materials and all decontamination fluids in accordance with all regulations at a legally permitted facility.