



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 | |
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| Please provide the date that a pre-filing meeting was requested from Nevada Division of Environmental Protection (NDEP) Bureau of Water Quality Planning (BWQP). | August 1, 2025 |
| <i>Note: If a pre-filing meeting has not been requested, please schedule a pre-filing meeting with NDEP BWQP.</i> | |

| B. Contact Information | | | |
|--|-------------------|-------------------------------------|--|
| Project Proponent Information | | | |
| Company Name: Tahoe Douglas Sewer District | | Address: 1303 HWY 50 | |
| Applicant Name: Janet Murphy, District Manager | | City: Glenbrook | |
| Phone: 775-588-5641 | Fax: 775-588-5642 | State: Nevada | |
| Email: tdsd@frontier.com | | Zip Code: 89413 | |
| Agent Information | | | |
| Company Name: Eastern Sierra Engineering | | Address: 308 Dorla Court, Suite 205 | |
| Agent Name: Jennifer Roman | | City: Zephyr Cove | |
| Phone: 775 902-8157 | Fax: 775 588-1726 | State: Nevada | |
| Email: jroman@esengr.com | | Zip Code: 89448 | |

| C. Project General Information | | | | | |
|---|------------|--|---------------|--|--|
| Project Location | | | | | |
| Project/Site Name: Marla Bay Beach Sewer Infrastructure Removal | | Name of receiving waterbody: Lake Tahoe | | | |
| Address: Near Lake Shore Blvd | | Type of waterbody present at project location (<i>select all that apply</i>): <input type="checkbox"/> Perennial River or Stream <input type="checkbox"/> Intermittent River or Stream <input type="checkbox"/> Ephemeral River or Stream <input checked="" type="checkbox"/> Lake/Pond/Reservoir <input type="checkbox"/> Wetland <input type="checkbox"/> Other: _____ | | | |
| City: Zephyr Cove | | | | | |
| County: Douglas | | | | | |
| State: Nevada | | | | | |
| Zip Code: 89448 | | | | | |
| Latitude (UTM or Dec/Deg): 38°59'54" N | | Longitude (UTM or Dec/Deg): 119°57'26" W | | | |
| Township: 13N | Range: 18E | Section: 9 | ¼ Section: SE | | |

| Project Details | |
|--|--|
| Project purpose: | The purpose of this project is to remove the existing gravity sewer main, portions of the connected laterals, manholes, and pump station, to prevent any future spills or leaks into Lake Tahoe. There have been no reported leaks or spills from the section of main being removed. |
| 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. | Site conditions include the beach of Marla Bay. Of the 931 LF of sewer main on the north side of the Marla Bay boat ramp, 861 linear feet will be removed, 70 LF will be abandoned in place, and 506 LF of main is within the high-water line. |
| Describe the proposed activity including methodology of each project element: | A barge-mounted excavator will be used to remove and abandon existing sewer facilities, including main, laterals, manholes and pump station. Prior to removal, all facilities will be cleaned, drained, dried and camera-ed to prevent any discharge from within the sewer main. Any remaining sewage will be removed with jetting water via a tractor truck, draining everything to the pump station. The pressure will be adequate to achieve cleaning but not excessive. The existing pipe will be removed and the trench backfilled with native material to match adjacent grade. The removed sewer infrastructure will be stored on either the barge or boat ramp before it is disposed of. The two sections being abandoned under the boat ramp and the stairs will be capped. The section of pipe and manhole being abandoned in the north side of the project will be slurried. The slurry work will be from land side via a pumper truck in R/W. There will also be a prefabricated washout container that sits in R/W and it will be disposed of at an approved disposal facility. |
| Estimate the nature, specific location, and number of discharge(s) expected to be authorized by the proposed activity: | There will be minimal discharge as the nature of discharge would be sloughing of fill material, or material lost during excavation operations. All excavated material will be stored on the barge during removal. All material from the sewer removal will be completely removed from the site and not discharged into the lake. |
| 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: | Sewer removal to begin on September 2, 2025 and final completion is required by November 7, 2025. Discharges may commence between September 2, 2025 and November 7, 2025. |
| 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): | RGP 4 |
| 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: | Douglas County is Pending, TRPA is Pending, NDEP is Pending |
| Total area of impact to regulated waterbodies (acres): | 0.26 acres |

| | | |
|--|--|--|
| Total distance of impact to regulated waterbodies (linear feet): | 506 LF | |
| Amount excavation and/or fill discharged within regulated waters (acres, linear feet, and cubic yards): | Temporary: N/A | Permanent: 0.26 acres, 506 LF, 192 CY |
| Amount of dredge material discharged within regulated waters (acres, linear feet, and cubic yards): | Temporary: 0 CY | Permanent: 0 CY |
| Describe the reason(s) why avoidance of temporary fill in regulated waters is not practicable (if applicable): | N/A | |
| 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. Describe how the activity has been designed to avoid and/or minimize adverse effects, both temporary and permanent, to regulated waters: | <p>The current BMP includes a turbidity screen and fiber rolls to prevent discharge into Lake Tahoe. This will minimize the amount of fill material being lost into the lake from construction activities and sloughing.</p> <p>The activity is designed to prevent any future leaks and spill that may occur from an exposed sewer main. Residences served by the sewer main being removed will be served by individual pump stations pumping to an existing sewer main on Lakeshore Drive.</p> | |
| Describe any compensatory mitigation planned for this project (if applicable): | N/A | |

| D. Signature | | |
|---|---------------------------------|------------------|
| Name and Title (Print): Janet Murphy | Phone Number: (775)-588-5641 | Date: 8-18-25 |
|  <div style="border-top: 1px solid black; width: 250px; margin-top: 5px;"></div> Signature of Responsible Official | | |

Mandatory Attachments:

- **Federal Permit or License Identification:**

- Project proponents seeking a federal general permit or license must include a copy of the draft federal license or permit and any readily available water quality-related materials that informed the development of the draft federal license or permit, or;
- Project proponents seeking a federal individual permit or license must include 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/>).

CONCRETE WASHOUT LOCATION

NOTES:

1. SEDIMENT AND POLLUTION CONTROL REQUIREMENTS WILL BE INCLUDED IN THE SWPPP

2. EXCAVATOR WILL WORK FROM A BARGE

STAGING AREA IN PARKING SPACES

APPROXIMATE TURBIDITY SCREEN LOCATION

APPROXIMATE SEWER LINE LOCATION

FOOT TRAFFIC
ACCESS TO BEACH
VIA BOAT RAMP

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| | |
|----|---------------------------------|
| G0 | TITLE SHEET |
| G1 | NOTES, LEGENDS, & ABBREVIATIONS |
| C1 | PLAN AND PROFILE STA 0+00-2+75 |
| C2 | PLAN AND PROFILE STA 2+75-5+25 |
| C3 | PLAN AND PROFILE STA 5+50-7+75 |
| C4 | PLAN AND PROFILE STA 7+75-9+14 |
| D1 | DETAILS - 1 |
| D2 | DETAILS - 2 |


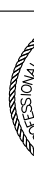
TAHOE DOUGLAS DISTRICT
1303 HWY 50
ZEPHYR COVE, NV 89448
(775) 588-5641

JANET MURPHY, DISTRICT MANAGER
TAHOE DOUGLAS DISTRICT

JENNIFER G. ROMAN, P.E.
EASTERN SIERRA ENGINEERING

JEREMY HUTCHINGS P.E.
DOUGLAS COUNTY ENGINEER



| | | | | | | | | |
|--|---------|--|---|--|-----------|---------|-------------------------|------|
| <div><div><div><div>EASTERN SIERRA ENGINEERING</div><div>CIVIL ENGINEERING & CONSTRUCTION SERVICES 308 DORLA CT, SUITE 201 ZEPHYR COVE, NV 89448 MAIN: (775) 588-7178 FAX: (775) 588-1726</div></div></div></div> | TITLE | | TAHOE DOUGLAS DISTRICT MARLA BAY BEACH SEWER INFRASTRUCTURE REMOVAL | | REVISIONS | | BY | APPD |
| | PROJECT | | | | No. | Date | | |
| | | | | | A | 4/23/25 | RELEASED FOR BIDS | |
| | | | | | Δ | 5/23/25 | ISSUED FOR CONSTRUCTION | |
| <div><div><div>JENNIFER G. ROMAN Exp. 12/31/25 CIVIL No. 13582 NVS-2025-000</div></div></div> | | | | | | | | |

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CONSTRUCTION NOTES

1. THE CONTRACTOR SHALL ACQUAINT HIMSELF WITH AND ABIDE BY THE REQUIREMENTS AS OUTLINED IN THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 2012, SPONSORED AND DISTRIBUTED BY REGIONAL TRANSPORTATION COMMISSION OF WASHOE COUNTY, WASHOE COUNTY, CITY OF SPARKS, CITY OF RENO, CARSON CITY, AND CITY OF YERINGTON (A.K.A. ORANGE BOOK).

2. THE CONTRACTOR ACKNOWLEDGES THAT HE HAS SATISFIED HIMSELF AS TO THE NATURE AND LOCATION OF THE WORK, THE GENERAL AND LOCAL CONDITIONS, PARTICULARLY THOSE BEARING UPON AVAILABILITY OF TRANSPORTATION, DISPOSAL, HANDLING AND STORAGE OF MATERIALS, AVAILABILITY OF LABOR, WATER, ELECTRIC POWER, ROADS, AND UNCERTAINTIES OF WEATHER, CREEK STAGES, OR SIMILAR PHYSICAL CONDITIONS AT THE SITE, THE CONFORMATION AND CONDITIONS OF THE GROUND, THE CHARACTER OF EQUIPMENT AND FACILITIES NEEDED PRIMARILY TO AND DURING THE PROSECUTION OF THE WORK OR THE COST THEREOF AS SHOWN ON THESE DRAWINGS.

3. THE CONTRACTOR FURTHER ACKNOWLEDGES THAT HE HAS SATISFIED HIMSELF AS TO THE CHARACTER, QUALITY AND QUANTITY OF SURFACE AND SUBSURFACE MATERIALS TO BE ENCOUNTERED FROM INSPECTING THE SITE AND FROM INFORMATION PRESENTED BY THE DRAWINGS. ANY FAILURE BY THE CONTRACTOR TO ACQUAINT HIMSELF WITH ALL THE AVAILABLE INFORMATION WILL NOT RELIEVE HIM FROM RESPONSIBILITY FOR PROPERLY ESTIMATING THE DIFFICULTY AND COST OF SUCCESSFULLY PERFORMING THE WORK.

4. AT NO TIME SHALL THE CONTRACTOR UNDERTAKE TO CLOSE OFF ANY UTILITY OR OPEN VALVES OR TAKE ANY OTHER ACTION WHICH WOULD AFFECT THE OPERATION OF THE EXISTING SYSTEM EXCEPT AS SPECIFICALLY REQUIRED BY THE PLANS, AND AFTER APPROVAL IS GRANTED BY THE RESPECTIVE UTILITY COMPANY. APPROPRIATE ADVANCE APPROVAL BY THE UTILITY IS REQUIRED PRIOR TO INTERRUPTION OF THE EXISTING SYSTEM.

5. EXISTING UTILITIES ARE INDICATED ON THE PLANS WHERE SUCH UTILITIES ARE KNOWN. THE LOCATION AND EXTENT OF SUCH UTILITIES ARE APPROXIMATE ONLY. NO GUARANTEE IS MADE AS TO THE ACCURACY OF SUCH INFORMATION, AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE, PROTECT, AND MAINTAIN ALL EXISTING UTILITIES WHETHER OR NOT SHOWN ON THE PLANS. CONTRACTOR SHALL CONTACT THE UTILITY COMPANIES ONE WEEK PRIOR TO THE BEGINNING OF CONSTRUCTION AND ARRANGE FOR THE LINE LOCATIONS AND APPROPRIATE SAFETY PROCEDURES. CONTRACTOR SHALL ALSO NOTIFY THE FOLLOWING UNDERGROUND UTILITY SERVICE: UNDERGROUND SERVICES ASSOCIATION 811.

6. AT ALL TIMES DURING CONSTRUCTION ADEQUATE TEMPORARY EROSION CONTROLS SHALL BE IN PLACE AS SHOWN ON THE PLANS. THE EROSION CONTROL SHALL BE IN ACCORDANCE WITH THE TRPA "HANDBOOK OF BEST MANAGEMENT PRACTICES." THE CONTRACTOR SHALL CONTACT TRPA AT LEAST 48 HOURS PRIOR TO THE COMMENCEMENT OF WORK FOR A PRE-GRADING INSPECTION OF THE INSTALLED TEMPORARY EROSION CONTROL.

7. ALL AREAS DISTURBED AS A RESULT OF THE WORK SHALL BE REVEGETATED IN ACCORDANCE WITH THE TRPA HANDBOOK OF BEST MANAGEMENT PRACTICES, AND LIVING WITH FIRE, SECOND EDITION, LAKE TAHOE BASIN.

8. THE CONTRACTOR SHALL UTILIZE CONSTRUCTION TECHNIQUES WHICH MINIMIZE GRADING, VEGETATION REMOVAL AND TEMPORARY AND PERMANENT DISTURBANCE.

9. ELEVATIONS NOTED ON PLANS FOR PIPE INVERTS, TOP OF GRATES OR RIMS, CUTS, ETC., ARE BASED UPON THE TOPOGRAPHIC INFORMATION SHOWN ON THE PLANS. THE CONTRACTOR SHALL VERIFY ALL NECESSARY SURFACE ELEVATIONS IN THE FIELD AND NOTIFY THE OWNER OR ENGINEER BEFORE BREAKING GROUND, AND PRIOR TO INSTALLATION OF ANY FACILITIES. THE ENGINEER SHALL BE CONTACTED IN THE EVENT THE ELEVATIONS ARE INCORRECT SO THAT PROPER ADJUSTMENTS CAN BE MADE PRIOR TO INSTALLATION OF THE FACILITIES.

10. ALL EXCAVATED MATERIAL SHALL BE STOCKPILED ON AN APPROVED SITE, AND APPROVED MATERIAL MAY BE RETURNED FOR USE AS BACKFILL.

11. CONTRACTOR SHALL DESIGNATE SPECIFIC SITES FOR STORAGE OF EQUIPMENT AND MATERIALS AND OBTAIN APPROVAL FOR USE OF THE SITE. CONTRACTOR SHALL BE RESPONSIBLE FOR THE SECURITY OF ALL EQUIPMENT AND MATERIALS.

12. THE CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL AS OUTLINED BY THE ORANGE BOOK AND OSHA THROUGHOUT THE PROJECT DURING ALL CONSTRUCTION PERIODS, AND AT NO TIME WILL OBSTRUCTIONS BE LEFT IN THE ROADWAY DURING THE NIGHT HOURS.

13. THE CONSTRUCTION STAGING AREAS SHALL BE RESTRICTED TO PREVIOUSLY DISTURBED AREAS AND SHALL BE FITTED WITH TEMPORARY BEST MANAGEMENT PRACTICES, INCLUDING CONSTRUCTION LIMIT FENCING, VEGETATION PROTECTION FENCING AND EROSION CONTROL FENCING WHERE APPROPRIATE.

14. CONTRACTOR SHALL POTHOLE OR USE OTHER INVESTIGATION METHODS TO VERIFY THAT IMPROVEMENTS CAN BE CONSTRUCTED AS SHOWN.

DOUGLAS COUNTY GENERAL NOTES

1. ALL WORK SHALL CONFORM TO THE CURRENT STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION("ORANGE BOOK"). ALL WORK AND MATERIALS NOT IN CONFORMANCE WITH THESE AMENDED SPECIFICATIONS AND DETAILS ARE SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.

2. ONE WEEK PRIOR TO THE COMMENCEMENT OF ANY WORK, CONSTRUCTION OR INSTALLATIONS ASSOCIATED WITH THIS PERMIT, THE PERMITEE SHALL NOTIFY THE DOUGLAS COUNTY INSPECTOR AT (775)782-6237OF INTENT TO BEGIN AND REQUEST/SCHEDULE PRECONSTRUCTION MEETING AT THE PROJECT SITE WITH DOUGLAS COUNTY CONSTRUCTION INSPECTOR. FAILURE TO PROVIDE PROPER INSPECTION NOTIFICATION AS PRESCRIBED ABOVE SHALL RESULT IN THIS PERMIT BECOMING INVALID AND WORK BEING STOPPED.

3. CONTRACTOR'S SHALL COMPLY WITH THE REQUIREMENTS TO OBTAIN THE NECESSARY SITE IMPROVEMENT PERMITS AND SHALL COMPLY WITH THE SITE IMPROVEMENT PERMIT CONDITIONS AS FOUND ON THE BACK OF THE PERMIT FORM.

4. THE APPROVED PLAN, PERMIT AND INSPECTION RECORD MUST BE ON THE JOB SITE AT ALL TIMES.

5. DOUGLAS COUNTY PARKS AND RECREATION, COMMUNICATIONS, AND SHERIFF'S OFFICE IS NOT REPRESENTED BY USA DIGS. WHEN THE CONTRACTOR EXCAVATES NEAR OR ADJACENT TO ANY OF THESE FACILITIES/PROPERTIES, THE CONTRACTOR SHALL CONTACT THE ADMINISTRATOR OF APPLICABLE DEPARTMENT AT PHONE NUMBER SHOWN ON COUNTY WEBSITE TO REQUEST ASSISTANCE IN LOCATING ALL THEIR UNDERGROUND FACILITIES. THIS REQUIREMENT MAY ALSO APPLY TO ANY OTHER COUNTY FACILITY/PROPERTY.

6. THE CONTRACTOR SHALL OBTAIN A STORMWATER GENERAL OR A SURFACE AREA DISTURBANCE PERMIT FROM THE NEVADA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS REQUIRED, AND SHALL COMPLY WITH ITS REQUIREMENTS FOR DUST CONTROL ON ALL APPLICABLE PROJECTS.

7. THE ENGINEER HEREBY CERTIFIES AS EVIDENCED BY A PROFESSIONAL SEAL & SIGNATURE, THAT ALL AFFECTED UTILITY COMPANIES BOTH PUBLIC AND PRIVATE HAVE BEEN CONTACTED. ALL EXISTING AND/OR PROPOSED UTILITY LINES AND OTHER RELATED INFORMATION HAVE BEEN TRANSFERRED ONTO THESE PLANS. TO THE BEST OF ENGINEER'S KNOWLEDGE AND BASED ON INFORMATION FROM THE UTILITY COMPANY. THE ENGINEER ALSO HEREBY CERTIFIES THAT ALL EXISTING AND/OR PROPOSED PUBLIC RIGHT-OF-WAY AND EASEMENTS HAVE BEEN CORRECTLY PLOTTED AND SHOWN.

8. THE ENGINEER, OR LAND SURVEYOR OF RECORD SHALL CERTIFY UPON COMPLETION OF CONSTRUCTION THAT ALL PUBLIC IMPROVEMENTS (WATER AND SEWER UTILITIES, STORM DRAINAGE, CONCRETE, PAVING, STREET LIGHTS, ETC.) HAVE BEEN INSTALLED AT THE LOCATIONS AND ELEVATIONS SHOWN ON THE APPROVED PLANS. ANY CHANGES SHALL BE REFLECTED ON 'AS-BUILT'/RECORD DRAWINGS PROVIDED BY THE ENGINEER TO THE COUNTY'S ENGINEERING DIVISION.

9. THE REGISTERED ENGINEER OR LAND SURVEYOR SHALL CERTIFY THAT THE MINIMUM HORIZONTAL AND VERTICAL SEPARATIONS BETWEEN UTILITIES WITHIN PUBLIC RIGHT-OF-WAY AND EASEMENTS HAVE BEEN MAINTAINED AS REQUIRED BY LAW OR POLICY.

10. THE DEVELOPER SHALL PROVIDE ALL CONSTRUCTION STAKING FOR THE PROJECT.

11. THE DEVELOPER OR THE ENGINEER IS RESPONSIBLE FOR ARRANGING THE RELOCATION OR REMOVAL OF ALL UTILITIES OR FACILITIES THAT ARE IN CONFLICT WITH THE PROPOSED PUBLIC IMPROVEMENTS. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE RELOCATION OF ALL UTILITIES, POWER POLES, IRRIGATION DRY-UPS, RESETS REMOVALS BY OTHERS, ETC.

12. THE CONTRACTORS SHALL LOCATE ALL UTILITIES PRIOR TO EXCAVATION AND AVOID DAMAGE TO SAME. CALL 811 FOR USA DIGS TWO WORKING DAYS PRIOR TO DIGGING. CONTRACTORS SHALL COMPLY WITH THE PROVISIONS FOR TRAFFIC CONTROL AND BARRICADING PER THE APPROVED TRAFFIC CONTROL PLANS.

13. IF A FIRE HYDRANT IS NEEDED TO OBTAIN CONSTRUCTION WATER, THE CONTRACTOR SHALL OBTAIN A FIRE HYDRANT METER FROM DOUGLAS COUNTY PUBLIC WORKS OR APPLICABLE WATER PURVEYOR AND PAY ALL APPLICABLE FEES AND CHARGES.

14. IF DURING THE CONSTRUCTION OF A PUBLIC FACILITY, THE CONTRACTOR FAILS TO OR IS UNABLE TO COMPLY WITH A REQUEST TO THE ENGINEERING INSPECTOR, AND IT IS NECESSARY FOR COUNTY FORCES TO DO WORK THAT IS NORMALLY THE CONTRACTOR'S RESPONSIBILITY, THE COUNTY SHALL BE JUSTIFIED IN BILLING THE CONTRACTOR. EACH INCIDENT REQUIRING WORK BY COUNTY FORCES SHALL BE COVERED BY A SEPARATE BILLING AT THE CURRENT APPLICABLE RATES.

15. THE CONTRACTOR IS ADVISED THAT DAMAGE TO PUBLIC SERVICES OR SYSTEMS AS A RESULT OF THIS PROJECT SHALL BE REPAIRED BY THE CONTRACTOR AND INSPECTED BY THE ENGINEERING INSPECTOR. UNLESS OTHERWISE APPROVED BY THE COUNTY, ALL REPAIRS SHALL BE DONE WITHIN 24 HOURS. THE CONTRACTOR IS ADVISED THAT ANY COSTS RELATED TO REPAIR OR REPLACEMENT OF DAMAGED PUBLIC SERVICES AND SYSTEMS AS A RESULT OF CONTRACTOR'S ACTIVITIES SHALL BE BORNE BY THE CONTRACTOR.

16. EROSION CONTROL:

A. IN CASE OF EMERGENCY CALL (775) 742-1124.

B. A STANDBY CREW FOR EMERGENCY WORK SHALL BE AVAILABLE AT ALL TIMES. NECESSARY MATERIALS SHALL BE AVAILABLE ON-SITE AND STOCKPILED AT APPROVED LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES OR TO REPAIR DAMAGED EROSION CONTROL MEASURES.

C. AFTER A RAINSTORM, ALL SILT AND DEBRIS SHALL BE REMOVED FROM CHECK BERMS AND DESILTING FACILITIES. GRADED SLOPE SURFACE PROTECTION MEASURES DAMAGED DURING THE RAINSTORM SHALL ALSO BE REPAIRED.

D. FILL SLOPES AT THE PROJECT PERIMETER MUST DRAIN AWAY FROM THE TOP OF THE SLOPE AT THE CONCLUSION OF EACH WORKING DAY.

E. A SIX-FOOT HIGH PERIMETER FENCE OR A 24-HOUR GUARD SHALL BE POSTED ON THE SITE WHENEVER THE DEPTH OF WATER IN A FACILITY EXCEEDS 18 INCHES.

F. STORMWATER SHALL BE CONTROLLED BY THE CONTRACTOR TO THE SATISFACTION OF THE COUNTY AND IN ACCORDANCE WITH THE NEVADA DIVISION OF ENVIRONMENTAL PROTECTION STORMWATER PERMIT.

17. IF TURBIDITY REACHES 0.5 NTU OR HIGHER AT THE ZWUD WATER TREATMENT PLANT, THE PROJECT MUST SHUT DOWN UNTIL ADDITIONAL TURBIDITY MITIGATION MEASURE CAN BE IMPLEMENTED.
- | | |
|--|--|
| | IMPROVEMENTS (BOLD LINETYPE, ALL SYSTEMS) |
| | EXISTING UTILITIES (SCREENED LINETYPE ALL SYSTEMS) |
| | DEMOLITION HATCHING |
| | ABANDONMENT HATCHING |
| | TURBIDITY SCREEN |
| | CENTER LINE |
| | PARCEL BOUNDARY |
| | COIR LOG |
| | CONSTRUCTION LIMITS, TREE PROTECTION FENCING |
| | WOOD FENCE |
| | EDGE OF BUILDING, ABOVE GRADE |
| | WOOD RETAINING WALL |
| | FLOW LINE |
| | CONTOUR LINE |
| | POWER POLE |
| | RIP RAP/BOULDER RETAINING WALL |
| | ROCK & MORTAR WALL |
| | EXISTING GRADE, PROFILE |
| | HAND RAILING |
| | 20" LODGE POLE |
| | BOLLARD |
| | BENCH MARK, PLAN |
| | BENCH MARK, SECTION |
| | SOIL BORING LOCATION |
| | DEPRESSION |
| | CONTROL POINT |
| | DRAIN ROCK OR AGGREGATE BASE |
| | REVEGETATION, GRASS |
| | MASONRY WALL |
| | EDGE OF EXISTING A.C. PAVEMENT |
| | SANITARY SEWER MANHOLE OR PUMP STATION |
| | PIPE ANCHOR |
- SYMBOLS & ABBREVIATIONS
- | | | | | | |
|--------|--|------|---|-------|---|
| A | | G | | R | |
| AB | AGGREGATE BASE | G | GAS | R | RADIUS |
| ABN | ABANDON | GA | GAGE | RC | RELATIVE COMPACTION |
| ABUT | ABUTMENT | GAL | GALLON | RCA | REINFORCED CONCRETE ARCH |
| AC | ASPHALT CONCRETE, ACRES | GALV | GALVANIZED | RCP | REINFORCED CONCRETE PIPE |
| ACP | ASBESTOS CEMENT PIPE | GB | GRADE BREAK | R & D | REMOVE AND DISPOSE |
| ACG | AGGREGATE | GR | GUARD RAILING, GRADE | RD | ROAD |
| AHD | AHEAD | GS | GROUND SHOT | REINF | REINFORCED OR REINFORCING |
| ADJ | ADJUST | GSP | GALVANIZED STEEL PIPE | REL | RELOCATE |
| APN | ASSESSOR'S PARCEL NUMBER | GV | GATE VALVE | RET | RETAINING |
| APPROX | APPROXIMATE, APPROXIMATELY | H | | R & R | REMOVE AND REPLACE |
| ASTM | AMERICAN SOCIETY FOR TESTING AND MATERIALS | HB | HEIGHT | R & S | REMOVE AND SALVAGE |
| AVE | AVENUE | HD | HOSE BIB | REQ'D | REQUIRED |
| B | | HD | HORIZONTAL DRAIN | REVEG | REVEGETATION |
| BB | BEGINNING OF BRIDGE | HP | HORIZONTAL | RJCA | RESTRAINED FLANGED COUPLING ADAPTOR |
| BC | BEGIN HORIZONTAL CURVE | HS | HORIZONTAL | RJ | RESTRAINED JOINT |
| BCR | BEGIN CURB RETURN | HP | HORIZONTAL | RWJ | RESTRAINED MECHANICAL JOINT |
| BEG | BEGIN | HS | HIGH PRESSURE | RSP | ROCK SLOPE PROTECTION |
| BKF | BACKFILL | HWY | HIGH STRENGTH | RT | RIGHT |
| BLDG | BUILDING | | HIGHWAY | RTE | ROUTE |
| BLVD | BOULEVARD | I | | RW | RETAINING WALL, REDWOOD |
| BM | BENCH MARK | ICV | IRRIGATION CONROL VALVE | R/W | RIGHT-OF-WAY |
| BOC | BACK OF CURB | ID | INSIDE DIAMETER | S | |
| BR | BRIDGE | IE | INVERT ELEVATION | S | SOUTH, SLOPE, SPRUCE |
| BVC | BEGIN VERTICAL CURVE | INV | INVERT | SBSB | STRAW BAIL SEDIMENT BARRIER |
| BW | BARBED WIRE, BOTTOM OF WALL | IPS | IRON PIPE SIZE | SD | STORM DRAIN |
| | | IRR | IRRIGATION | SDMH | STORM DRAIN MANHOLE |
| C | | J | | SEC | SECTION |
| C&G | CURB AND GUTTER | JT | JOINT | SF | SQUARE FOOT |
| CA | CALIFORNIA | L | | SG | SUBGRADE |
| CAP | CORRUGATED ALUMINUM PIPE | L | LENGTH | SHLD | SHOULDER |
| CAPA | CORRUGATED ALUMINUM PIPE ARCH | LF | LINEAR FOOT | SHT | SHEET |
| CF | CUBIC FOOT | LN | LANE | SPEC | SPECIFICATIONS |
| CIP | CAST IRON PIPE | LOC | LOCATION | SPPCO | SIERRA PACIFIC POWER COMPANY |
| CL | CENTERLINE | LP | LIGHT POLE, LODGE POLE PINE TREE | SQ | SQUARE |
| CLR | CHAIN LINK, CLASS | LS | LUMP SUM | SS | SLOPE STAKE OR SANITARY SEWER |
| CMP | CLEAR, CLEARANCE | L/S | LANDSCAPE | SSL | SANITARY SEWER LATERAL |
| CMPA | CORRUGATED METAL PIPE | LT | LEFT | SSMH | SANITARY SEWER MANHOLE |
| CO | COUNTY, CLEAN OUT | M | | ST | STREET |
| COL | COLUMN | MAX | MAXIMUM | STA | STATION |
| CONC | CONCRETE | MB | MAILBOX | STD | STANDARD |
| CONST | CONSTRUCTION | MH | MANHOLE | STL | STEEL |
| COORD | COORDINATE | MI | MILE(S) | STPUO | SOUTH TAHOE PUBLIC UTILITY DISTRICT |
| CORP | CORPORATION | MOD | MODIFIED OR MODIFY | SY | SQUARE YARD |
| CP | CONTROL POINT | MON | MONUMENT | T | |
| CR | CREEK, CABLE RISER | MTL | MATERIAL | T | |
| CSP | CORRUGATED STEEL PIPE | N | | T | SEMI-TANGENT, TELEPHONE |
| CSPA | CORRUGATED STEEL PIPE ARCH | N | NORTH | TAN | TANGENT |
| CTS | COPPER TUBING SIZE | NDOT | NEVADA DEPT. OF TRANSPORTATION | TB | THRUST BLOCK |
| CTV | CUBIC | NIC | NOT IN CONTRACT | TBR | TIMBER |
| CU | COTTONWOOD | NO | NUMBER | TC | TOP OF CURB |
| CW | COTTONWOOD | NTS | NOT TO SCALE | TCB | TRAFFIC CONTROL BOX |
| CY | CUBIC YARD | O | | TEMP | TEMPORARY |
| D | | OC | ON CENTER | TFP | TRANSFORMER PAD |
| D | | OD | OUTSIDE DIAMETER | TFP | TOP OF GRATE |
| DD | DEPTH | OG | ORIGINAL GROUND | TKPOA | TAHOE KEYS PROPERTY OWNERS ASSOCIATION |
| DEL | DELINEATOR | OH | OVERHEAD | TP | TELEPHONE POLE |
| DI | DRAINAGE INLET | OT | OTHER TREE | TR | TOP OF RIM, TELEPHONE RISER |
| DIA | DIAMETER | P | | TRPA | TAHOE REGIONAL PLANNING AGENCY |
| DIM | DIMENSION | PB | PULL BOX | TS | TOP OF SLOPE |
| DIP | DUCTILE IRON PIPE | PC | POINT OF COMPOUND CURVE OR POINT OF CURVATURE | TV | TELEPHONE VAULT |
| DIST | DISTANCE | PCC | PORTLAND CEMENT CONCRETE | TW | TRAVELED WAY, TOP OF WALL |
| DR | DRIVE | PCVC | POINT OF COMPOUND VERTICAL CURVE | TYP | TYPICAL |
| DW | DRIVEWAY | PE | PROFESSIONAL ENGINEER, PLAIN END, OR POLYETHYLENE | U | |
| E | EAST, ELECTRIC | PED | PEDESTRIAN | UG | UNDERGROUND |
| EA | EACH | PEP | POLYETHYLENE PIPE | UTIL | UTILITY |
| EB | END OF BRIDGE | PI | POINT OF INTERSECTION | V | |
| EC | END HORIZONTAL CURVE | PL | PROPERTY LINE | VC | VERTICAL CURVE |
| ECR | END CURB RETURN | PM | POST MILE | VERT | VERTICAL |
| EL | ELBOW, ELEVATION | POC | POINT ON HORIZONTAL CURVE | VPI | POINT OF INTERSECTION OF VERTICAL CURVE |
| EMB | EMBANKMENT | POT | POINT ON TANGENT | W | |
| EP | EDGE OF PAVEMENT | POVC | POINT ON VERTICAL CURVE | W | WIDTH, WEST, WATER |
| ES | EDGE OF SHOULDER | PP | POWER POLE | W/ | WITH |
| ETW | EDGE OF TRAVELED WAY | PRC | POINT OF REVERSE CURVE | WL | WATER SERVICE LATERAL |
| EY | ELECTRICAL VAULT | PRF | PAVEMENT REINFORCING FABRIC | WM | WATER METER |
| EVC | END VERTICAL CURVE | PRV | PRESSURE REDUCING VALVE | WV | WATER VALVE |
| EW | ENDWALL, EACH WAY | PRVC | POINT OF REVERSE VERTICAL CURVE | WWF | WATER VAULT |
| EXC | EXCAVATION | PVC | POLYVINYL CHLORIDE | | WELDED WIRE FABRIC |
| EXIST | EXISTING | PVMT | PAVEMENT | X | |
| EXP JT | EXPANSION JOINT | | | XING | CROSSING |
| F | FIR TREE | | | X SEC | CROSS SECTION |
| FCA | FLANGE COUPLING ADAPTOR | | | Y | |
| FDN | FOUNDATION | | | YD | YARD |
| FE | FLANGED END | | | | |
| FES | FLARED END SECTION | | | | |
| FF | FILTER FABRIC | | | | |
| F & G | FRAME AND GRATE | | | | |
| FG | FINISHED GRADE | | | | |
| FH | FIRE HYDRANT | | | | |
| FIP | FEMALE IRON PIPE | | | | |
| FL | FLOW LINE OR FLANGE | | | | |
| FLR | FLOOR | | | | |
| FM | FORCE MAIN | | | | |
| FMSS | FORCE MAIN SANITARY SEWER | | | | |
| FMW | FORCE MAIN WATER | | | | |
| FT | FOOT OR FEET | | | | |
| FTG | FOOTING | | | | |
| FWY | FREEWAY | | | | |
-
- FOR
CONSTRUCTION

DATE: 5-23-2025
- TITLE

TAHOE DOUGLAS DISTRICT
MARLA BAY BEACH SEWER
INFRASTRUCTURE REMOVAL

PROJECT

NOTES, LEGENDS, & ABBREVIATIONS

DESIGNED BY: RAW

DRAWN BY: JH

APPROVED BY: JGR

JOB NO: 19225-11

SCALE: AS SHOWN

DATE: 5/23/25

SHEET No.

G1 OF 8

REVISIONS

BY

DATE

NO.

1

4/25/25

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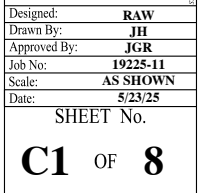
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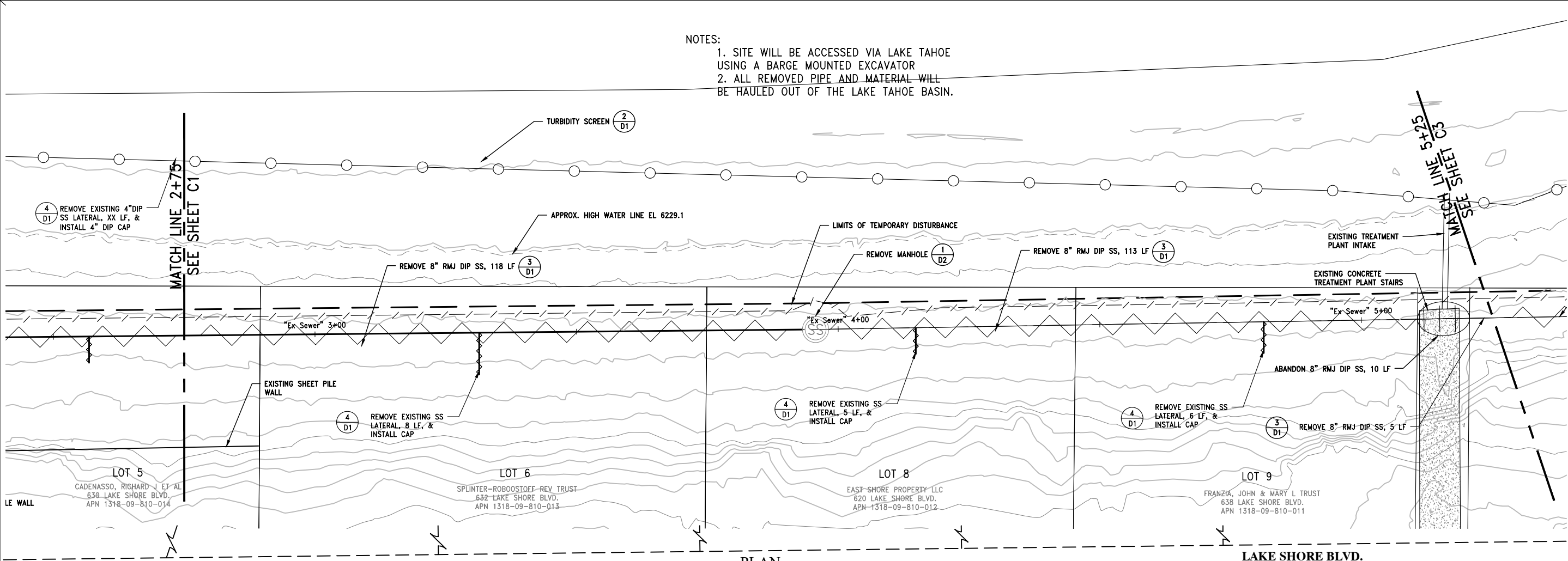
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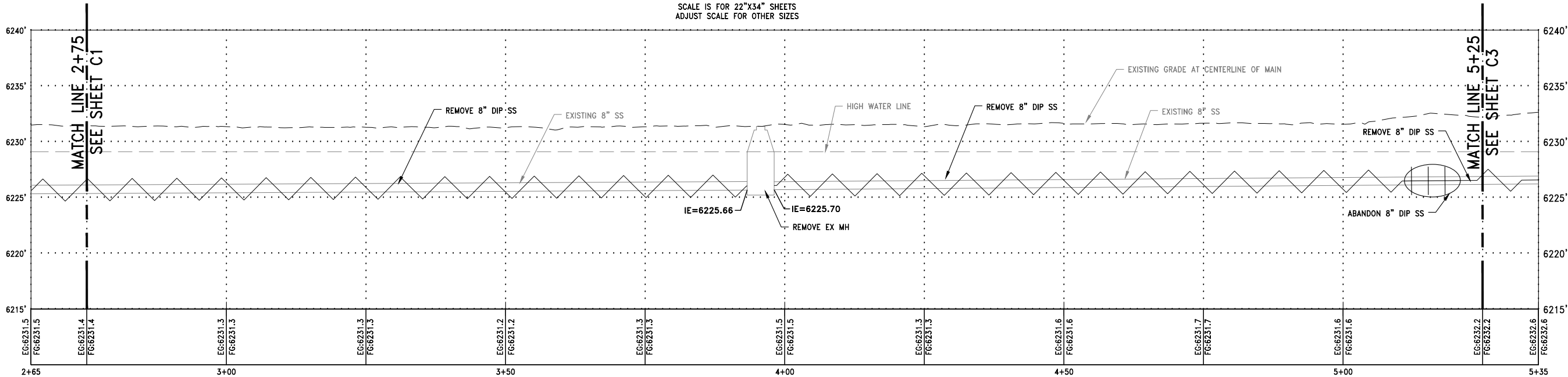
TAHOE DOUGLAS DISTRICT

LAKE SHORE BLVD.





PLAN
SCALE: 1"=10'
SCALE IS FOR 22"x34" SHEETS
ADJUST SCALE FOR OTHER SIZES



PROFILE
SCALE: HORIZ: 1"=10', VERT 1"=5'
SCALE IS FOR 22"x34" SHEETS
ADJUST SCALE FOR OTHER SIZES



FOR
CONSTRUCTION
DATE: 5-23-2025

| REVISIONS | | BY | | APPD | |
|-----------|---------|-------------------------|--|------|--|
| No. | Date | | | | |
| A | 4/23/25 | RELEASED FOR BIDS | | | |
| B | 5/23/25 | ISSUED FOR CONSTRUCTION | | | |

TITLE
TAHOE DOUGLAS DISTRICT
MARLA BAY BEACH SEWER
INFRASTRUCTURE REMOVAL

PROJECT
PLAN AND PROFILE STA 2+75-5+25
TAHOE DOUGLAS DISTRICT
NEVADA

EASTERN SIERRA ENGINEERING
CIVIL ENGINEERING & CONSTRUCTION SERVICES
308 DORLA CT, SUITE 201
ZEPHYR COVE, NV 89448
MAIN: (775) 588-7178
FAX: (775) 588-1726

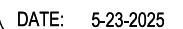
PROFESSIONAL ENGINEER
J. ROMAN
Exp. 12/31/25
CIVIL
No. 13552
5/23/25

Designed: RAW
Drawn By: JH
Approved By: JGR
Job No: 19225-11
Scale: AS SHOWN
Date: 5/23/25

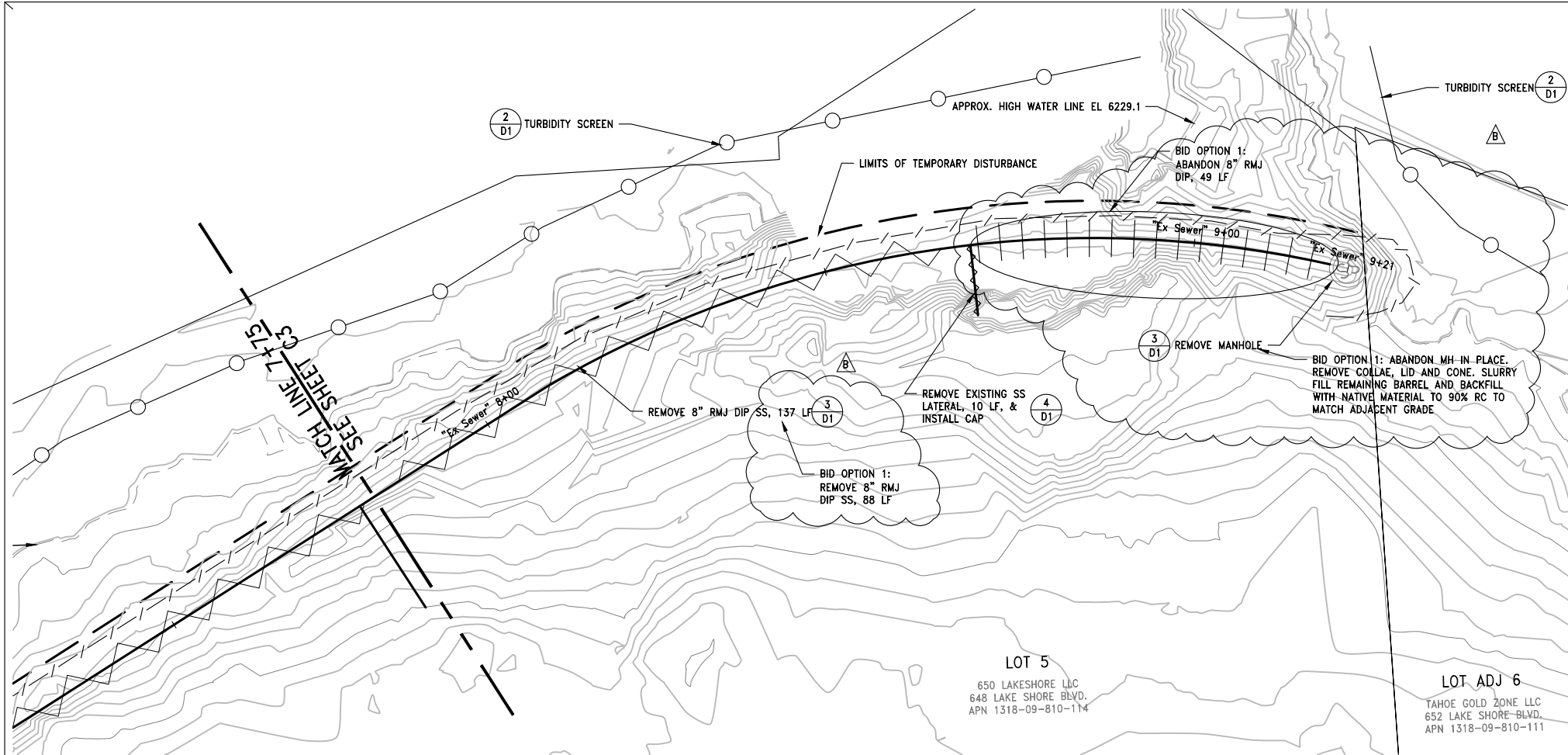
SHEET No.
C2 OF **8**

ATCH LINE 7+75
SEE SHEET C4

650 LAKESHORE LLC
648 LAKE SHORE BLVD.
APN 1318-09-810-114

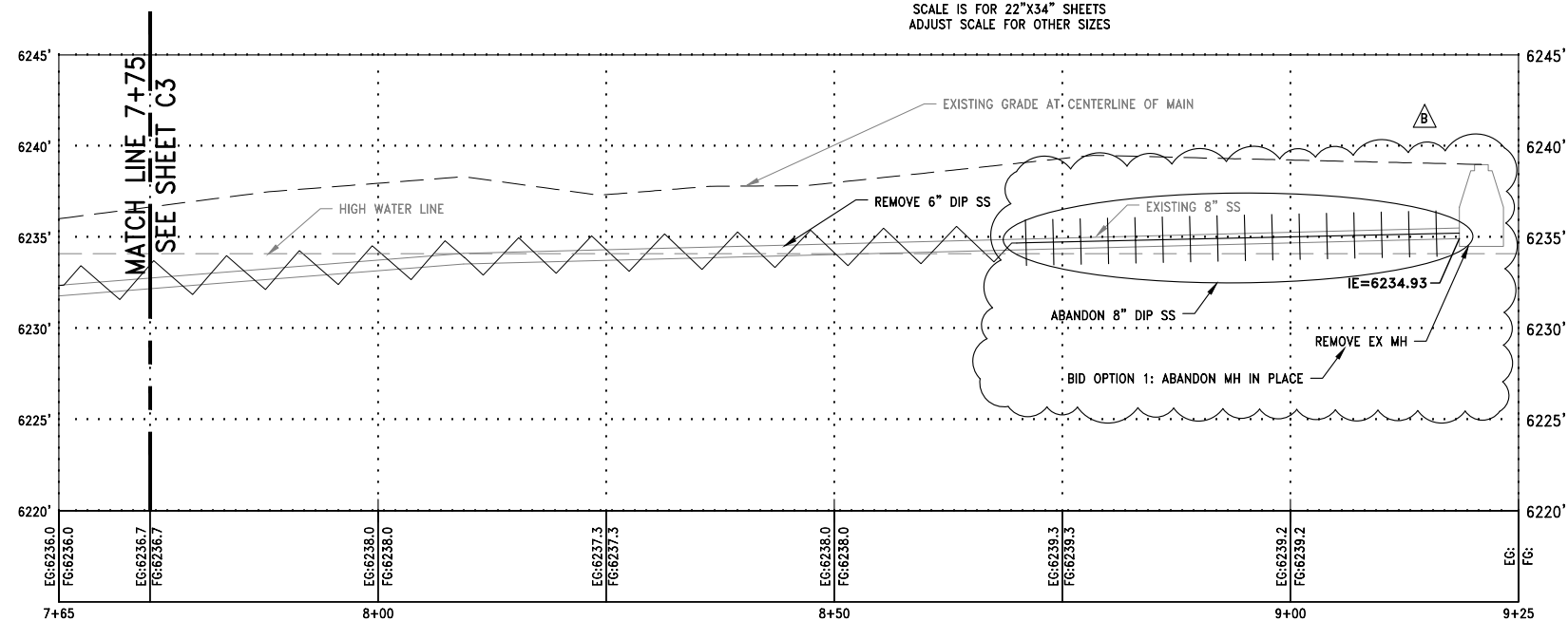


SHEET No.
C3 OF 8



NOTES:

1. SITE WILL BE ACCESSED VIA LAKE TAHOE USING A BARGE MOUNTED EXCAVATOR
2. ALL REMOVED PIPE AND MATERIAL WILL BE HAULED OUT OF THE LAKE TAHOE BASIN.





PROFILE

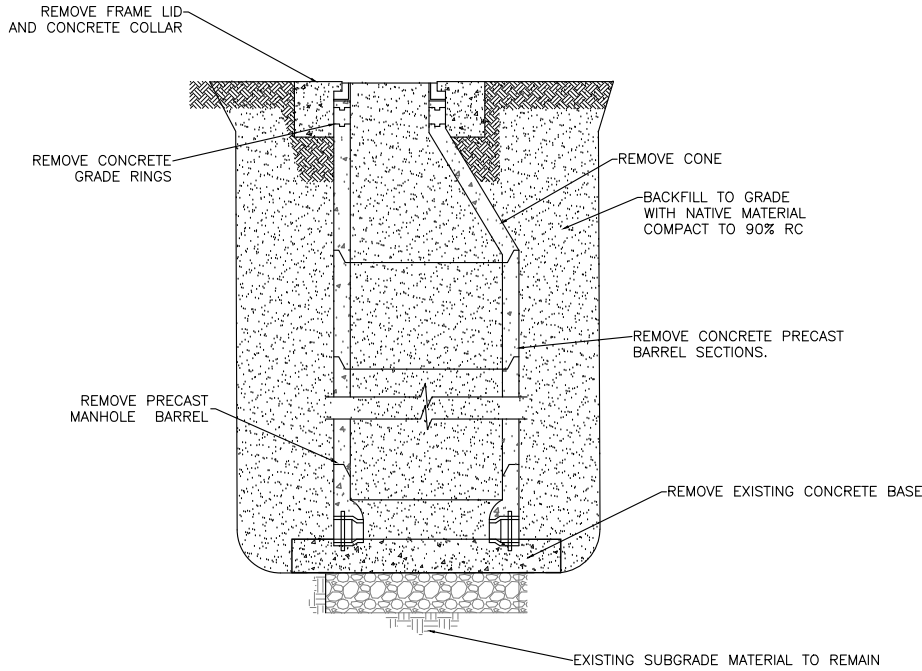
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ADJUST SCALE FOR OTHER SIZES



FOR
CONSTRUCTION

DATE: 5-23-2025

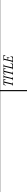


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| <div><div><div>EASTERN SIERRA ENGINEERING</div><div>CIVIL ENGINEERING & CONSTRUCTION SERVICES 509 DORLA CT., SUITE 201 MAINTENANCE BLDG. 588-7178 ZEPHYR DRIVE, NV 89448 FAX: (775) 588-1726</div></div></div> | <div><div>JENNIFER G. ROMAN Exp. 12/31/2025 CIVIL No. 13682 5/23/25</div></div> | TITLE | | | | TAHOE DOUGLAS DISTRICT MARLA BAY BEACH SEWER INFRASTRUCTURE REMOVAL | | | | No. | | Date | REVISIONS | | BY | | APPD |
| | | PROJECT | | | | PLAN AND PROFILE STA 7+75-9+14 | | | | A | | 4/29/25 | RELEASED FOR RUS | | | | |
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1
D2 MANHOLE REMOVAL DETAIL
SCALE: NTS



FOR
CONSTRUCTION
DATE: 5-23-2025

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|  EASTERN SIERRA ENGINEERING | | TAHOE DOUGLAS DISTRICT MARLA BAY BEACH SEWER INFRASTRUCTURE REMOVAL | | TITLE | | REVISIONS | | BY | | APPD | | | |
| | | | | PROJECT | | A | | 4/25/25 | | | | | |
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|  JENNIFER G. ROMAN Exp. 12/31/25 CIVIL No. 13582 5/23/25 | | DETAILS - 2 | | PROJECT | | ISSUED FOR CONSTRUCTION | | | | | | | |
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|  CIVIL ENGINEERING & CONSTRUCTION SERVICES 308 DORLA CT, SUITE 201 ZEPHYR COVE, NV 89448 MAIN: (775) 588-7178 FAX: (775) 588-1726 | | TAHOE DOUGLAS DISTRICT | | PROJECT | | | | | | NEVADA | | | |
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| | | | | | | | | | | | | | |
| Designed: RAW | | Drawn By: JH | | Job No: 19225-11 | | Scale: AS SHOWN | | Date: 5/23/25 | | | | | |
| SHEET No. | | D2 | | OF | | 8 | | | | | | | |
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SPILL RESPONSE & PREVENTION PLAN

**Marla Bay Sewer Infrastructure Removal Project
Zephyr Cove, NV**

August 2025

Prepared for:

Tahoe Douglas District

1303 Hwy 50

Zephyr Cove, NV 89448

ESE Project No. 19225-11

Prepared by:



308 Dorla Ct. Suite 205
Zephyr Cove, NV 89448
(775)-588-7178

1. PROJECT CONTACTS

| AGENCY OR ORGANIZATION | CONTACT PERSON | TELEPHONE | EMAIL |
|----------------------------|-----------------------|----------------|----------------------------|
| Eastern Sierra Engineering | Jennifer G. Roman, PE | (775) 291-6337 | jroman@esengr.com |
| Tahoe Douglas District | Janet Murphy | (775) 588-5641 | tdsd@frontier.com |
| Timberline Enterprises LLC | Suni Miller | (775) 720-1622 | smiller@timberline-ent.com |

2. INTRODUCTION

a. Purpose

The purpose of this Spill Response & Prevention Plan is to outline measures and guidelines to prevent spills and minimize their environmental impact during construction activities related to the Marla Bay Sewer Infrastructure Removal Project. This plan has been developed to meet NDEP requirements to obtain 401 certification.

Overall, the plan provides guidance on proper practices to prevent and respond to spills appropriately and includes information on field personnel. Pollutants that could come in contact with surface waters or the storm drain system during project activities include hydrocarbons from equipment fuel or hydraulic fluid leaks, sediment, concrete washouts, and exposure of various materials when no longer protected by cover or when piled into temporary stockpiles exposed to wind and rain.

This document is intended to be an overview of protocols to prevent and respond to potential spills on the project site. It is not intended to supersede any or all sub-contractor obligations to comply with all applicable laws, all reasonable directions and orders given by the regulatory agencies. This document's requirements supplement the guidance described in the SWPPP.

b. Project Description

The scope of this project involves the full removal of 861 feet of sewer line, three manholes, and one pump station. Additionally, 70 feet of sewer line will be abandoned in place along with one manhole. This section is above the high water line and is being abandoned due to difficult equipment access in this area of the project. There have been no reported leaks or spills from the section of main being removed or abandoned as part of this project. This work will occur from the pump station south of the boat ramp to the manhole where the sewer line ends in the north. The laterals connected to the section being removed will be cut back to the landward side of the sewer easement or the edge of the beach area. To prevent any future flow, the ends of the remaining lateral pipes will be capped or plugged. Residences served by the sewer main being removed will be served by individual pump stations pumping to an existing gravity sewer main on Lakeshore Drive. Facilities will have any residual sewage pumped out then cleaned and cameraed. This sewage will be transported off-site for disposal per Nevada Division of Environmental Protection (NDEP) regulations. See the project plans for information about the sewer removal and abandonment limits and details.

Four total manholes are a part of the sewer line. Three of these will be removed and one will be abandoned in place. The manhole to be abandoned is above the high water line on the north side of the project. This is due to difficult equipment access in this area of the project. The section of pipe and manhole being abandoned in the north side of the project will be slurried. The slurry work will be from

land side via a pumper truck in right of way. There will also be a prefabricated washout container that sits in R/W and it will be disposed of at an approved disposal facility. The trench will be backfilled with compacted native material and restored to adjacent grade. During removal, the excavated material will be stored on the barge. The removed sewer infrastructure will be stored on the barge or the boat ramp before it is disposed of. Sediment control measures, including turbidity screens and fiber rolls, will be used to protect the lake from sediment discharge during the excavation process. Douglas County requires that work cease if the measured turbidity levels at the water treatment plant exceed 0.5 NTU. The work will not restart until additional turbidity mitigation measures can be implemented. See the project plans for information about the sewer removal and abandonment limits and details.

3. SPILL PREVENTION

This portion of the plan is intended to explain the steps that should be taken in order to prevent spills and minimize their environmental impacts on the project site during active construction.

a. Training

When the construction contract is awarded, the SWPPP will be updated to include the training records for the contractor's personnel. Prior to construction, ESE will train the Contractor and crew on all relevant spill control measures and what to do in the event of a spill to keep pollutants from entering surface waters or storm drain inlets.

b. Spill Response Equipment and Material

The construction contractor will supply spill kits and materials that can be stored and readily deployed from staging areas. In addition, the contractor will be required to have a number of mobile spill kits for use in any fueling operations. Each construction crew will have sufficient supplies of absorbent and barrier materials on hand to allow the rapid containment and recovery of any spills.

Equipment and materials will include but not be limited to:

- 55-gallon drums or similar approved disposal container with proper signage;
- Absorbent pads;
- Plastic sheeting;
- Nitrile gloves;
- Safety goggles;
- Shovels and pertinent soil removal equipment will be staged next to spill kits along with fire extinguishing equipment.
- 20-gallon portable preventative spill kit for each refueling truck, kits will include:
 - White, oil-only Sonic Bonded Pads
 - White, oil-only socks (3"X48")
 - White, oil-only pillows
 - Nitrile gloves
 - Disposal bags, and
 - 20-gallon overpack

c. Spill Prevention Measures

- Equipment refueling is to be conducted at least 50 feet away from any drain inlets. Crew vehicles will be fueled offsite.
- Any five-gallon fuel container or similar will be kept in secondary containment, even when placed in the back of a truck.

- Regularly inspect and maintain all construction equipment to prevent leaks and malfunctions. If any leaks are detected remove the equipment from service and place a drip pan underneath until repairs can be made.
- Store and handle hazardous materials according to best practices and regulations.
- Limit fuel storage

d. Sediment and Erosion Control

- Implement erosion control measures as shown on the plans, and as described in the SWPPP.
- Monitor weather forecasts and schedule construction activities to avoid working during heavy rain events or periods of high winds.

e. Waste Management

- Establish designated areas for waste storage, recycling, and disposal, away from drain inlets.
- Properly manage construction debris and waste materials to prevent accidental spills.
- Keep construction debris piles to the minimum necessary so they can be easily off-hauled for proper disposal or fully covered with adequate perimeter control prior to any qualifying storm events.

f. Spill Response Plan Implementation and Preparation

- Contractor to provide a detailed spill response plan prior to construction that includes procedures for containing, cleaning, and reporting spills.
- Contractor to ensure all personnel are aware of the spill response plan and their roles during a incident.
- Contractor to keep adequate spill response equipment readily available on-site, such as absorbent materials, spill kits, and spill socks.

g. Monitoring and Reporting

- Contractor to visually monitor the site and equipment on a regular basis to detect any signs of equipment leaks or other potential pollutant discharges and if observed immediately address those issues.
- Immediately report any large spills or environmental incidents to NDEP, and appropriate authorities as required by local regulations.

h. Compliance and Inspection

- Conduct regular inspections to verify compliance with the spill prevention plan.
- Address any non-compliance issues promptly and implement corrective actions.

i. Record Keeping

Maintain detailed records of spill prevention training, inspections, spill response actions, and any other relevant documentation for future reference and accountability.

4. SPILL RESPONSE PROCEDURES

The following summarizes actions that are to be taken in the event of a discharge of oil product. Actions are dependent upon the location and size of the discharge. Uncontrolled discharges of oil to groundwater, surface water, or soil is prohibited by State and Federal laws. Immediate action must be taken to control, contain, and recover any discharged oil product.

In general, the following steps are to be taken:

- First, personnel will assess the situation to determine potential safety concerns and hazards posed to personnel and the environment. The size (minor or major) of the discharge shall be taken into consideration, then the procedure for minor or major discharge steps should be taken.
- If possible and safe to do so, shut off and/or extinguish all ignition sources, including motors, electrical circuits, cigarettes, and open flames.
- Determine the source of the spill/discharge, and if safe to do so, immediately shut off the source of the spill/discharge, i.e., closing valves, emergency shut-off switch, power disconnect, applying leak stopping compound for pinhole leaks, deactivating pumps, and diverting flow to a pathway that is more contained.
- Material spilled and quantities will be identified to the degree possible.
- If safe to do so, use onsite spill response kits to prevent the spilled material from spreading. This can be done through personnel soaking up spilled fluids with absorbent pads or granules.
- Contaminated vegetation and soil can be excavated from the site, and along with soiled clean-up material, temporarily stored on plastic sheets or in appropriate drums with proper labeling until it can be removed for proper disposal. All contaminated materials will be removed and placed in a container designed to hold and transport the material. Label bin appropriately.
- Contact the Owner/Superintendent.
- Contact appropriate regulatory authorities (see Table 1, Notification List of Appropriate Agencies).
- Collect and dispose of recovered products according to State and Federal regulations.

a. Minor Discharge

Minor discharges which can usually be cleaned up by construction crew are described here:

- The quantity of product discharged is small (less than or equal to 10 gallons of oil product);
- Discharged material is easily stopped and controlled at the time of the discharge;
- Discharge is localized near the source;
- Discharged material is not likely to reach water;
- There is little risk to human health or safety; and
- There is little risk of fire or explosion.

The following steps are to be taken:

- Immediately notify the Owner/Superintendent.
- Under the direction of the Owner/Superintendent contain the discharge by placing absorbent material or other barriers in the path of the discharge.
- Place captured oil product/discharge debris in properly labeled and secure waste containers.
- **If the discharge involves more than 10 gallons of oil or reaches surface water, the Owner/Superintendent will call Douglas County Emergency Management at (775) 783-6037.**

b. Major Discharge

For **major** discharges defined as one that cannot be safely controlled or cleaned up by facility personnel, such as when:

- The discharge is large enough to spread beyond the immediate discharge area;
- The discharged material enters water;
- The discharge requires special equipment or training to clean up;
- The discharged material poses a hazard to human health, safety, or the environment; or
- There is a danger of fire or explosion.

The following steps are to be taken:

- All facility personnel/onsite workers must immediately evacuate the discharge site, call emergency response (911) and move to designated staging areas at a safe distance from the discharge. Emergency response staging areas will be determined by emergency response personnel.
- Facility personnel/onsite workers must immediately contact the Owner/Superintendent, who will obtain assistance from authorized contractors, listed in Table 1 and direct the response and cleanup activities.
- The Owner/Superintendent must call for medical assistance if facility personnel/onsite workers are injured.
- The Owner/Superintendent must immediately contact the appropriate agencies.

c. Disposal of Recovered Material

The following describes the methods to be followed when disposing of any recovered materials under a large spill event.

Once the spill is contained, the cleanup contractors or authorized facility personnel will collect the spilled material and any materials used to contain or absorb the discharge and place the materials into secure and appropriately labeled containers. The area or surface that came in contact with the spilled material shall be decontaminated and cleaned up by an appropriate method that is permissible under local, State, and Federal laws. The specific methods used will depend upon the substance, applicable regulatory standards for the specific type of spilled materials, and other factors. All spilled material and debris will be managed in a manner that fully complies with applicable local, State, and Federal laws regarding recycling and disposal of hazardous wastes.

Qualified and licensed environmental response contractors, including but not limited to, Safety Kleen and Ramos Environmental, listed in Table 1 will handle the disposal of any recovered product, contaminated soil, contaminated materials and equipment, decontamination solutions, and absorbent materials collected during a response to a discharge incident, according to regulatory requirements. All such materials shall be handled and disposed of under standard Nevada chain of custody regulations and procedures.

d. Reporting a Discharge

If there is a discharge, refer to the following section on the protocol and who to contact.

i. NRC Notification Procedure

Any size discharge (i.e., one that produces an oily sheen, emulsion, or sludge) that affects or threatens to affect navigable waters or adjoining shorelines **must be reported immediately to the National Response Center (NRC) at 1 (800) 424-8802**. The NRC is staffed 24 hours a day. The following information must be provided:

- The exact address and phone number of the facility
- The date and time of discharge
- The type of material discharged
- An estimate of the total quantity discharged
- An estimate of the quantity discharged to navigable waters
- The source of the discharge
- A description of all affected media
- The cause of the discharge
- Any damages or injuries caused by the discharge
- Actions being taken to stop, remove, and mitigate the effects of the discharge
- Whether an evacuation is needed as a result of the discharge
- Names of individuals and/or organizations who have also been contacted

ii. Agency Notification

Immediate reporting to the Douglas County Emergency Management is also required when there are releases or threatened releases posing a significant present or potential hazard to human health and safety, property, or the environment. For these regulations, the releases must be immediately reported to the Douglas County Emergency Management, and if necessary 911.

Immediate reporting to the Nevada Division of Environmental Protection (NDEP) is required for any release of petroleum products, hazardous substances, or other contaminants that exceeds applicable reportable quantities, has the potential to impact surface water or groundwater, or poses a threat to human health or the environment. Releases that are a quantity greater or equal to that as defined in 40 CFR Part 302, involve any hazardous substance released into water, or threaten a vulnerable resource defined by NAC 445A.3459 must be reported as soon as practicable, but no more than one working day, by calling the NDEP Spill Hotline at (in-state) or (out-of-state), and to the National Response Center (NRC). In addition, notification must be provided to the Nevada State Emergency Response Commission (SERC), the Tahoe Douglas Fire Protection District and the Douglas County Emergency Management Division if not already contacted. All agency phone numbers can be found in Table 1. Any petroleum spill of 25 gallons or more, contamination of three cubic yards of soil, any presence in groundwater, or confirmed release from an underground storage tank will mean reporting the spill via the NDEP "Report a Spill" form online (<https://nevadaenvironmentalactivities.ndep.nv.gov/Spill/ReportForm.aspx>). Any spill that affects a water way within Nevada, no matter the quantity, must be reported. All reports should include the location, date, time, type and quantity of material released, cause of the release, actions taken, and contacts made.

iii. Spill Reporting Requirements (Within 60 Days)

In addition to the immediate reporting above, 40 CFR 112.4 requires that information be provided to the US EPA Regional Administrator (RA), the Douglas County Emergency Management and the Nevada Division of Environmental Protection and any other agency in charge of oil pollution control activities within 60 days of the following discharge events:

- 1) A single discharge of more than 1,000 US gallons of oil to navigable waters or adjoining shorelines; or
- 2) Two discharges to navigable waters or adjoining shorelines each more than 42 US gallons of oil occurring within any twelve-month period.

The following information must be submitted to the RA:

- 1) Name of facility;
- 2) Name of person reporting;
- 3) Facility location;
- 4) Maximum storage or handling capacity of the facility and normal daily throughput;
- 5) Corrective action and countermeasures you have taken, including a description of equipment repairs and replacements;
- 6) An adequate description of the facility, including maps, flow diagrams, and topographical maps, as necessary;
- 7) The cause of the reportable discharge, including a failure analysis of the system or subsystem in which the failure occurred;
- 8) Additional preventative measures you have taken or contemplated to minimize the possibility of recurrence; and
- 9) Such other information as the Regional Administrator may reasonably require pertinent to the Plan or discharge.

5. EMERGENCY CONTACT LIST

If the spill cannot be safely and effectively controlled by facility personnel, then the owner/superintendent will notify outside contractors and agencies listed in the table below. The following table provides the contacts of the responsible personnel as well as their training records.

Table 1. Emergency Contacts

| CONTACT ORGANIZATION/PERSON | CONTACT INFORMATION |
|--|---|
| Emergency and/or Spill Response | |
| Emergency Response (Fire, Ambulance, Police) | 911 |
| Tahoe Douglas Fire Protection District | (775) 588-3591 |
| Douglas County Sheriff's Office | (775) 782-5126 |
| Barton Hospital | (530) 541-3420 |
| National Response Center (NRC) | (800) 424-8802 (202) 267-2180 (202) 267-1322 Fax http://www.nrc.uscg.mil c/o United States Coast Guard (G-RPF) - Room 2611-B 2100 2nd Street, SW Washington, D.C 20593-0001 |
| Douglas County Emergency Management Division | (775) 783-6037 |
| Cleanup Contractors | Ramos Environmental 1515 S River Rd West Sacramento, CA 95691-9312 Phone: (916) 317-5747 Safety Kleen 1200 Marietta Way, Sparks NV 89431 (775) 331-4477 |
| Petroleum Waste Disposal Contractor | Reno Drain Oil Service 11970 Interstate 80 East Sparks, NV 89434 (775) 342-0351 |
| Nevada State Emergency Response Commission | (775) 684-7511 |
| Regulatory/Oversight Agencies | |
| Tahoe Douglas District | (775) 588-5641 1303 Hwy 50 Zephyr Cove, NV 89448 |
| Nevada Division of Environmental Protection | (775) 687-4670 (888) 331-6337 (in state spill hotline) (775) 687-9485 (out of state spill hotline) 901 S Stewart St # 4001 Carson City, NV 89701 |
| US E.P.A. Region 9 | US E.P.A. Region 9 Main Number: (800) 231-3075 75 Hawthorne Street (SFD9-2) San Francisco, CA 94105 |

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