**WATER POLLUTION CONTROL DRAWINGS FOR RECREATIONAL FACILITY REMOVAL**

**GENERAL WATER POLLUTION CONTROL DRAWING NOTES:**

- The drawings are intended to provide a clear and accurate representation of the water pollution control aspects pertinent to the facility removal project.
- All measurements and data provided are for planning and design purposes only.
- The drawings are subject to change based on site conditions and project requirements.
- The drawings are not intended for construction purposes and should not be used as a substitute for construction documents provided by the project team.

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**WARNING:**

- If the provided BAR or dimension does not measure 1" to the half inch, the drawing is not to scale.

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**ISSUED FOR CONSTRUCTION**

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**CLAMATH RIVER RENEWAL PROJECT**

- **ISSUED FOR CONSTRUCTION**
- **PLANNING AND CONSTRUCTION**
- **WATER POLLUTION CONTROL**
- **RECREATIONAL AREA REMOVAL**
- **FALL CREEK RECREATION FACILITY**

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**ISSUED FOR CONSTRUCTION**

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**PLAN**

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**NOTES:**

- 1. The drawings are intended to provide an overview of the water pollution control aspects pertinent to the facility removal project.
- 2. Measurements and dimensions are to be used as a reference for planning and design purposes only.
- 3. The drawings are subject to change based on site conditions and project requirements.
- 4. The drawings are not intended for construction purposes and should not be used as a substitute for construction documents provided by the project team.

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**LEGEND:**

- **EC** - Erosion Control
- **EF** - Erosion Fences
- **S** - Sediment Basins
- **W** - Water Diversion

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**ISSUED FOR CONSTRUCTION**

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**KLAMATH RIVER RENEWAL CORPORATION**

**FALL CREEK RECREATION FACILITY**

**TEMPORARY & PERMANENT EROSION & SEDIMENT CONTROL PLAN**

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**C7640**

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WATER POLLUTION CONTROL DRAWINGS FOR RECREATIONAL FACILITY REMOVAL

GENERAL WATER POLLUTION CONTROL DRAWING NOTES:
1. The water pollution control drawings will be updated to reflect existing conditions and authorized infrastructural changes.
2. Refer to the commencement of construction activities as per the construction permit issued for the temporary construction activities on-site. Site conditions may vary due to unforeseen issues, and project modifications shall be updated.
3. Marshy locations are to be avoided at all times. If the site is found to be marshy, the project shall be reevaluated.
4. The location will be incorporated into the MEPD and given a unique marsh location number.
5. The location of the project shall be updated with the marsh location number, and the site conditions may vary due to unforeseen issues.

NOTE:
1. The construction project may be proposed for environmental mitigation and treatment at the site.
2. Construction and operating plans shall be submitted in accordance with these plans.
3. See notes and details for general notes regarding roads, bridges, and utilities.
4. See notes and details for General Notes.
5. See notes for General Notes.
6. Construction and operating plans shall be submitted in accordance with the submitted construction plans.
7. Review all applicable regulatory requirements and ensure compliance with the submitted construction plans.
8. Ensure compliance with the submitted construction plans.
9. Ensure compliance with the submitted construction plans.
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11. Ensure compliance with the submitted construction plans.

REV.
DATE
DESCRIPTION
05/27/2022
ISSUED FOR CONSTRUCTION

KLAMATH RIVER RENEWAL PROJECT
WANAKA SPRINGS RECREATION FACILITY
TEMPORARY & PERMANENT EROSION & SEDIMENT CONTROL PLAN

REV.
DATE
DESCRIPTION
05/27/2022
ISSUED FOR CONSTRUCTION

KLAMATH RIVER RENEWAL CORPORATION

ISSUED FOR CONSTRUCTION

PLAN

ISSUED FOR CONSTRUCTION

05/27/2022

N. BISHOP
S. MOTTRAM
K. FITZGERALD
C. SCHLUMPBERGER

PRIVILEGED AND CONFIDENTIAL
GENERAL WATER POLLUTION CONTROL DRAWING NOTES

1. The requirements for temporary and permanent facilities and equipment for the control and disposal of pollutants are in accordance with the technical specifications.

2. The project is designed to comply with the technical specifications.

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GENERAL WATER POLLUTION CONTROL DRAWING NOTES:

1. This water pollution control drawing shall be treated as a permit application and shall not be used as a reference for permit approval.

2. This water pollution control drawing shall be used as part of an application for the required construction permit.

3. All work shall be performed in accordance with the applicable regulations of the Environmental Protection Agency.

4. All work shall be performed in accordance with the regulations of the State Water Resources Control Board.

5. All work shall be performed in accordance with the regulations of the California Coastal Commission.

6. All work shall be performed in accordance with the regulations of the California Department of Fish and Wildlife.

7. All work shall be performed in accordance with the regulations of the California Environmental Protection Agency.

8. All work shall be performed in accordance with the regulations of the California Department of Public Health.

9. All work shall be performed in accordance with the regulations of the California Department of Public Works.

10. All work shall be performed in accordance with the regulations of the California Department of Transportation.

11. All work shall be performed in accordance with the regulations of the California Coastal Commission.

12. All work shall be performed in accordance with the regulations of the California Department of Fish and Wildlife.

13. All work shall be performed in accordance with the regulations of the California Environmental Protection Agency.

14. All work shall be performed in accordance with the regulations of the California Department of Public Health.

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48. All work shall be performed in accordance with the regulations of the California Environmental Protection Agency.

49. All work shall be performed in accordance with the regulations of the California Department of Public Health.

50. All work shall be performed in accordance with the regulations of the California Department of Public Works.

51. All work shall be performed in accordance with the regulations of the California Coastal Commission.
WATER POLLUTION CONTROL DRAWINGS FOR LAKEVIEWAGER BESWICK INTERSECTION IMPROVEMENT

GENERAL WATER POLLUTION CONTROL DRAWING NOTES:

1. The water pollution control drawings will be used to identify existing conditions and authorize contractor operations.

2. Prior to the commencement of construction activities, monitoring control, BMPs, and temporary construction measures shall be installed.

3. BMP locations are to be field verified by the Lenn at the time of the first quarterly report. It is the Lenn's location where the BMP is to be installed. The Lenn will ensure the BMP is installed and the BMP locations are to be field verified.

4. Precautions: The Lenn will be informed of the BMP locations and expected preclude and use for BMPs, and the BMP locations are to be field verified by the Lenn at the time of the first quarterly report. It is the Lenn's location where the BMP is to be installed. The Lenn will ensure the BMP is installed and the BMP locations are to be field verified.

5. Precautions: The Lenn will be informed of the BMP locations and expected preclude and use for BMPs, and the BMP locations are to be field verified by the Lenn at the time of the first quarterly report. It is the Lenn's location where the BMP is to be installed. The Lenn will ensure the BMP is installed and the BMP locations are to be field verified.

6. Precautions: The Lenn will be informed of the BMP locations and expected preclude and use for BMPs, and the BMP locations are to be field verified by the Lenn at the time of the first quarterly report. It is the Lenn's location where the BMP is to be installed. The Lenn will ensure the BMP is installed and the BMP locations are to be field verified.

7. Precautions: The Lenn will be informed of the BMP locations and expected preclude and use for BMPs, and the BMP locations are to be field verified by the Lenn at the time of the first quarterly report. It is the Lenn's location where the BMP is to be installed. The Lenn will ensure the BMP is installed and the BMP locations are to be field verified.

8. Precautions: The Lenn will be informed of the BMP locations and expected preclude and use for BMPs, and the BMP locations are to be field verified by the Lenn at the time of the first quarterly report. It is the Lenn's location where the BMP is to be installed. The Lenn will ensure the BMP is installed and the BMP locations are to be field verified.

9. Precautions: The Lenn will be informed of the BMP locations and expected preclude and use for BMPs, and the BMP locations are to be field verified by the Lenn at the time of the first quarterly report. It is the Lenn's location where the BMP is to be installed. The Lenn will ensure the BMP is installed and the BMP locations are to be field verified.

10. Precautions: The Lenn will be informed of the BMP locations and expected preclude and use for BMPs, and the BMP locations are to be field verified by the Lenn at the time of the first quarterly report. It is the Lenn's location where the BMP is to be installed. The Lenn will ensure the BMP is installed and the BMP locations are to be field verified.

NOTES:

1. The Lenn shall ensure the BMPs are installed and the conditions are met.

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ISSUED FOR CONSTRUCTION

KLAMATH RIVER RENEWAL PROJECT
LAKEVIEWAGER BESWICK INTERSECTION IMPROVEMENT
CONCEPT LAYOUT

J. O'REILLY
K. FITZGERALD
C. SCHLUMPBERGER
N. BISHOP
S. MOTTRAM
EROSION AND SEDIMENT CONTROL NOTES:

GENERAL NOTES:

1. THE CONTRACTOR SHALL SUBMIT AN EROSION AND SEDIMENT CONTROL PLAN FOR WORK OUTSIDE CONSTRUCTION PATIENTS THAT MEETS ALL FEDERAL, STATE, AND LOCAL REQUIREMENTS.

2. THE CONTRACTOR SHALL Cooperate WITH THE CONTRACTOR'S ECP TO DEVELOP A SPILL PREVENTION, CONTAINMENT, AND RESPONSE PLAN THAT WILL BE ATTACHED TO THE SWPPP.


4. CONTRACTOR SHALL DEVELOP A SPILL PREVENTION, CONTAINMENT, AND RESPONSE PLAN THAT WILL BE ATTACHED TO THE SWPPP.

5. CONTRACTOR SHALL INSTALL BMP MEASURES AS INDICATED AND IN ANY REQUIREMENTS OF SPECIFICATION 31 25 00. NO GRADING OR CLEARING, GRUBBING, AND GROUND DISTURBING ACTIVITIES SHALL OCCUR OUTSIDE OF THE PROPOSED CLEARING LIMITS AND SHALL MEET THE REQUIREMENTS OF SPECIFICATION 31 25 00. NO GRADING OR CLEARING ACTIVITIES SHALL BE CONSIDERED INCIDENTAL.

6. ANY CONSTRUCTION ACTIVITIES SHALL OCCUR OUTSIDE OF THE PROPOSED CLEARING LIMITS AND SHALL MEET THE REQUIREMENTS OF SPECIFICATION 31 25 00.

7. CONTRACTOR SHALL INSTALL BMP MEASURES AS INDICATED AND IN ANY REQUIREMENTS OF SPECIFICATION 31 25 00.

8. THE SILT FENCE AND/OR STRAW WATTLES SHALL BE INSTALLED PRIOR TO ANY CONSTRUCTION ACTIVITIES.

9. CONTRACTOR SHALL TAKE APPROPRIATE MEASURES TO PREVENT INTRODUCTION OF DIRT, MUD, OR DEBRIS TO EXIST PUBLIC OR PRIVATE ROADWAY, ONTO ADJACENT PROPERTIES, INTO FALL CREEK, OR INTO KLAMATH RIVER DURING ANY PHASE OF CONSTRUCTION OPERATIONS. SPECIAL ATTENTION SHALL BE GIVEN TO ADDITIONAL REQUIREMENTS OF SPECIFICATION 31 25 00.

ALL BMP REQUIRED MATERIALS SHALL MEET OR EXCEED STATE OF CALIFORNIA STORMWATER QUALITY ASSOCIATION (CASQA) REQUIREMENTS.

10. CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL FACILITIES, FENCING, AND STAGING AREA MATERIALS WHEN CONSTRUCTION IS COMPLETE AND STAGE THE CONSTRUCTION SITE, AT CONTRACTOR'S EXPENSE.

11. CONTRACTOR SHALL RESEED ALL DISTURBED AREAS WITH NATIVE VEGETATION, AS REQUIRED (BY OTHERS).

12. CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES NOTED BELOW.

13. CONTRACTOR SHALL FOLLOW EROSION CONTROL PLAN AS GRANTED.

14. CONTRACTOR SHALL TAKE APPROPRIATE MEASURES TO PREVENT EROSION AND SEDIMENT TRANSPORT AND DEPOSITION IN ANY ADDITIONAL LOCATIONS WHERE MATERIAL COULD LEAVE THE CONSTRUCTION SITE, AT CONTRACTOR'S EXPENSE.

15. THE SILT FENCE AND/OR STRAW WATTLES SHALL BE INSTALLED PRIOR TO ANY CONSTRUCTION ACTIVITIES.

16. CONTRACTOR SHALL HAVE AVAILABLE AT ALL TIMES ADEQUATE WATER TRUCK EQUIPMENT TO FACILITATE DUST ABATEMENT AND CONTROL.

17. CONTRACTOR SHALL INSTALL BMP MEASURES AS INDICATED AND IN ANY REQUIREMENTS OF SPECIFICATION 31 25 00.

18. THE CONTRACTOR'S ECP SHALL MEET OR EXCEED THE REQUIREMENTS OF SPECIFICATION 31 25 00.

19. GENERAL EROSION AND SEDIMENT CONTROL PLAN ON THE EC SHEET NOTES:

1. THE EXPOSED AND DISTURBED AREAS SHALL BE SEEN WITH NATIVE VEGETATION IN AN APPROPRIATE MANNER.

2. THE EXPOSED AND DISTURBED AREAS SHALL BE SEEN WITH NATIVE VEGETATION IN AN APPROPRIATE MANNER.

3. CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL FACILITIES, FENCING, AND STAGING AREA MATERIALS WHEN CONSTRUCTION IS COMPLETE AND STAGE THE CONSTRUCTION SITE, AT CONTRACTOR'S EXPENSE.

4. CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL FACILITIES, FENCING, AND STAGING AREA MATERIALS WHEN CONSTRUCTION IS COMPLETE AND STAGE THE CONSTRUCTION SITE, AT CONTRACTOR'S EXPENSE.

5. CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL FACILITIES, FENCING, AND STAGING AREA MATERIALS WHEN CONSTRUCTION IS COMPLETE AND STAGE THE CONSTRUCTION SITE, AT CONTRACTOR'S EXPENSE.

6. CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL FACILITIES, FENCING, AND STAGING AREA MATERIALS WHEN CONSTRUCTION IS COMPLETE AND STAGE THE CONSTRUCTION SITE, AT CONTRACTOR'S EXPENSE.

7. CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL FACILITIES, FENCING, AND STAGING AREA MATERIALS WHEN CONSTRUCTION IS COMPLETE AND STAGE THE CONSTRUCTION SITE, AT CONTRACTOR'S EXPENSE.

8. CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL FACILITIES, FENCING, AND STAGING AREA MATERIALS WHEN CONSTRUCTION IS COMPLETE AND STAGE THE CONSTRUCTION SITE, AT CONTRACTOR'S EXPENSE.

9. CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL FACILITIES, FENCING, AND STAGING AREA MATERIALS WHEN CONSTRUCTION IS COMPLETE AND STAGE THE CONSTRUCTION SITE, AT CONTRACTOR'S EXPENSE.

10. CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL FACILITIES, FENCING, AND STAGING AREA MATERIALS WHEN CONSTRUCTION IS COMPLETE AND STAGE THE CONSTRUCTION SITE, AT CONTRACTOR'S EXPENSE.

11. CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL FACILITIES, FENCING, AND STAGING AREA MATERIALS WHEN CONSTRUCTION IS COMPLETE AND STAGE THE CONSTRUCTION SITE, AT CONTRACTOR'S EXPENSE.

12. CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL FACILITIES, FENCING, AND STAGING AREA MATERIALS WHEN CONSTRUCTION IS COMPLETE AND STAGE THE CONSTRUCTION SITE, AT CONTRACTOR'S EXPENSE.
WATER POLLUTION CONTROL DRAWINGS
FIRE ACCESS BOAT RAMPS AND DRY HYDRANTS

GENERAL WATER POLLUTION CONTROL DRAWING NOTES:
1. The water pollution control drawings will be updated to reflect existing conditions and anticipated contractor operations.
2. Prior to the commencement of construction activities, perimeter control ramps, temporary construction drain lines, and measures to preserve existing vegetation, and gravel, bag berms shall be deployed.
3. Sampling locations are to be filled verified by the GSI, at the time of the first quality control event. If there is a location where the equipment is intersections and the location has not yet been identified as a sampling location, the location will be incorporated into the survey and given a unique sampling location number. Direct injection water exchanges into the Klamath River are exempt from sampling and analysis as approved in the time schedule.
4. Discharges to tributaries will be minimized for PM and sediment.
5. Temporary BMPs to be used on site that are not shown or mentioned in this drawing include: scheduling (WC 1), preservation of existing vegetation (WC 3), protection (WC 5), catch basins (WC 7), erosion control (WC 11), water conservation practices (WC 15), non-trucking (WC 16), illicit connection (WC 17), vehicle and equipment cleaning (WC 19), vehicle and equipment fueling (WC 20), vehicle and equipment maintenance (WC 21), material delivery and storage (WC 22), flowmeters (WC 24),僭出流 (WC 25), zero waste management (WC 26), contaminated soil management (WC 27), concrete waste management (WC 28), and general waste management (WC 29).

WARNING
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If THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

OVERALL SITE KEY PLAN
SCALE: 1"=5000'

KLAMATH RIVER RENEWAL CORPORATION
FIRE ACCESS BOAT RAMPS AND DRY HYDRANTS

EROSION AND SEDIMENT CONTROL
KEY PLAN

DIVIDED HIGHWAY
BEAVER CREEK
IRON GATE
JENNY CREEK
FALL CREEK
JOHN C. BOYLE RESERVOIR
PIONEER PARK WEST
BOAT RAMP AND DRY HYDRANT
IRON GATE RESERVOIR
DEER CREEK
COPCO RESERVOIR
KLAMATH RIVER
Oregon
California
TALL CREEK
HATCHERY
DRY HYDRANT
TALL CREEK CONFLUENCE
BOAT RAMP AND DRY HYDRANT
EC100
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EC400
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EC10000
GENERAL WATER POLLUTION CONTROL DRAWING NOTES:
1. The water pollution control drawings will be updated to reflect existing conditions and anticipated contractor operations.
2. Prior to the commencement of construction activities, perimeter control BMPs, temporary construction drainages, measures to prevent erosion and sedimentation, and temporary access roads shall be deployed.
3. Sampling locations are to be field verified by the GDD at the time of the first qualifying rain event if a location where stormwater is discharging into the stream, or if a location has not been designated as a sampling location, the location will be incorporated into the plan and given a unique sampling location number.
4. Direct stormwater discharges into the Klamath River are exempt from sampling and analysis as approved in the DWR Schedule D-9.
5. Temporary BMPs to be used on sites that are not shown or mentioned in the drawings include: scheduling (S-1); preconstruction (S-2); erosion control (S-3); dewatering (S-4); contractor's boat ramp (S-5); concrete (S-6); construction material handling (S-8); stormwater and equipment cleaning (S-9); vehicle and equipment flushing (S-10); vehicle and equipment maintenance (S-11); material delivery and storage (S-12); material use (S-13); stockpile management (S-14); spill prevention and control (S-15); solid waste management (S-16); hazardous waste management (S-17); contaminated soil management (S-18); concrete waste management (S-19); concrete waste (S-20); metal debris (S-21); and liquid waste management (S-22).

WATER POLLUTION CONTROL DRAWINGS
FIRE ACCESS BOAT RAMPS AND DRY HYDRANTS

SHEET NOTES:
1. Contractor shall submit a proposed dewatering plan for owner approval prior to implementation. Contractor shall submit drawings of proposed stormwater and sediment control, and description of temporary access roads to be constructed.
2. Dewatering is required for installation of boat ramp subbase and rail system, but not for precast plank installation.
3. Contractor to install temporary floating turbidity curtain surrounding the perimeter of in-water work activities. Contractor shall submit floating turbidity curtain shop drawings and installation plan for owner approval prior to implementation.

WARNING
1. If this bar does not measure 1" then drawing is not to scale.

IRON GATE BOAT RAMP AND DRY HYDRANT PLAN

SCALE: 1" = 20'
SHEET NOTES:

1. INSTALLATION OF HYDRANT PIPE AND UNDERWATER STRAINER SUPPORT SHALL INCLUDE, AT A MINIMUM, TEMPORARY USE OF A FLOATING TURBIDITY CURTAIN TO MITIGATE SEDIMENT SUSPENSION IN SURFACE WATER.

2. NO DEWATERING IS AUTHORIZED FOR INSTALLATION OF HYDRANT PIPE AND UNDERWATER SUPPORT. SHOULD PERMIT REQUIREMENTS NECESSITATE LOCALIZED DEWATERING FOR INSTALLATION OF HYDRANT PIPE AND STRAINER SUPPORT, CONTRACTOR SHALL SUBMIT A PROPOSED D Tweet Plan FOR OWNER APPROVAL PRIOR TO IMPLEMENTATION. DEWATERING PLAN SHALL INCLUDE DRAWINGS OF PROPOSED DEWATERING CONFIGURATION, AND DESCRIPTION OF INSTALLATION AND REMOVAL SEQUENCING.

WARNING

1/2

1. IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

SECTION A

PROPOSED DRY HYDRANT PLAN

JENNY CREEK DRY HYDRANT PLAN

SHEET SIZE: 11" x 17"

SCALE: 1" = 40'

NOTE 1

INSTALLATION OF HYDRANT PIPE AND UNDERWATER STRAINER SUPPORT SHALL INCLUDE, AT A MINIMUM, TEMPORARY USE OF A FLOATING TURBIDITY CURTAIN TO MITIGATE SEDIMENT SUSPENSION IN SURFACE WATER.

NOTE 2

NO DEWATERING IS AUTHORIZED FOR INSTALLATION OF HYDRANT PIPE AND UNDERWATER STRAINER SUPPORT. SHOULD PERMIT REQUIREMENTS NECESSITATE LOCALIZED DEWATERING FOR INSTALLATION OF HYDRANT PIPE AND STRAINER SUPPORT, CONTRACTOR SHALL SUBMIT A PROPOSED DEWATERING PLAN FOR OWNER APPROVAL PRIOR TO IMPLEMENTATION. DEWATERING PLAN SHALL INCLUDE DRAWINGS OF PROPOSED DEWATERING CONFIGURATION, AND DESCRIPTION OF INSTALLATION AND REMOVAL SEQUENCING.

WARNING

1/2

1. IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

SECTION A

PROPOSED DRY HYDRANT PLAN

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SHEET SIZE: 11" x 17"

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NOTE 1

INSTALLATION OF HYDRANT PIPE AND UNDERWATER STRAINER SUPPORT SHALL INCLUDE, AT A MINIMUM, TEMPORARY USE OF A FLOATING TURBIDITY CURTAIN TO MITIGATE SEDIMENT SUSPENSION IN SURFACE WATER.

NOTE 2

NO DEWATERING IS AUTHORIZED FOR INSTALLATION OF HYDRANT PIPE AND UNDERWATER STRAINER SUPPORT. SHOULD PERMIT REQUIREMENTS NECESSITATE LOCALIZED DEWATERING FOR INSTALLATION OF HYDRANT PIPE AND STRAINER SUPPORT, CONTRACTOR SHALL SUBMIT A PROPOSED DEWATERING PLAN FOR OWNER APPROVAL PRIOR TO IMPLEMENTATION. DEWATERING PLAN SHALL INCLUDE DRAWINGS OF PROPOSED DEWATERING CONFIGURATION, AND DESCRIPTION OF INSTALLATION AND REMOVAL SEQUENCING.

WARNING

1/2

1. IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.
**SHEET NOTES:**

1. **INSTALLATION OF HYDRANT PIPE AND UNDERWATER STRAINER SUPPORT:** Shall include, at a minimum, temporary use of a floating turbidity curtain to mitigate sediment suspension in surface waters.

2. **NO DEWATERING IS ANTICIPATED FOR PLACEMENT OF HYDRANT PIPE AND UNDERWATER STRAINER SUPPORT.** Should permit requirements necessitate localized dewatering for installation of hydrant pipe and strainer support, contractor shall submit a proposed dewatering plan for owner approval prior to implementation. Dewatering plans shall include drawings of proposed dewatering configuration, and description of installation and removal sequencing.

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**FALL CREEK HATCHERY DRY HYDRANT PLAN**

**SCALE: 1"=20'**

**GPW PCD-FAKE-04**

**KLAMATH RIVER RENEWAL CORPORATION**

**FIRE ACCESS BOAT RAMPS AND DRY HYDRANTS**

**Erosion and Sediment Control**

**FALL CREEK HATCHERY**

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**GENERAL WATER POLLUTION CONTROL DRAWING NOTES:**

1. Non-waste disposal activity drawings will be updated to reflect existing conditions and anticipated contractor operations.

2. Prior to the commencement of construction activities, perimeter control, BMPs, temporary construction site barriers, measures to preserve existing vegetation, and gravel bags shall be removed.

3. Sample locations are to be field verified by the JRF at the time of the first field sample event. If there is a location where stormwater is discharging and the location has not yet been identified as a sampling location, the location will be incorporated into the SWPPP and offer a unique sampling location number.

4. Direct stormwater discharges into the Klamath River are exempt from sampling and analysis as approved by the U.S. Army Corps of Engineers to reduce costs. Stormwater to be monitored for E15 and sediment.

5. Temporary items to be used on site that are not shown or mentioned in this drawing include: scheduling (S1), vegetation management (V1), apprising (A2), sequestering (S2), settling (S3), check dams (S4), debris rolls (S5), wind erosion control (S6), water conservation (S7), backwashing (S8), bypassing (S9), contact (S10), vehicle and equipment fueling (S11), vehicle and equipment maintenance (S12), materials delivery and storage (S13), materials use (S14), equipment management (S15), field inventory and control, and S6 (if required).

6. Analyze waste management (A1), hazardous waste management (A2), contaminated soil management (S7), composite waste management (S8), sanitary waste management (S9), and liquid waste management.

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**SHEET NOTES:**

1. **INSTALLATION OF HYDRANT PIPE AND UNDERWATER STRAINER SUPPORT:** Shall include, at a minimum, temporary use of a floating turbidity curtain to mitigate sediment suspension in surface waters.

2. **NO DEWATERING IS ANTICIPATED FOR PLACEMENT OF HYDRANT PIPE AND UNDERWATER STRAINER SUPPORT.** Should permit requirements necessitate localized dewatering for installation of hydrant pipe and strainer support, contractor shall submit a proposed dewatering plan for owner approval prior to implementation. Dewatering plans shall include drawings of proposed dewatering configuration, and description of installation and removal sequencing.

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**GENERAL WATER POLLUTION CONTROL DRAWING NOTES:**

1. Non-waste disposal activity drawings will be updated to reflect existing conditions and anticipated contractor operations.

2. Prior to the commencement of construction activities, perimeter control, BMPs, temporary construction site barriers, measures to preserve existing vegetation, and gravel bags shall be removed.

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4. Direct stormwater discharges into the Klamath River are exempt from sampling and analysis as approved by the U.S. Army Corps of Engineers to reduce costs. Stormwater to be monitored for E15 and sediment.

5. Temporary items to be used on site that are not shown or mentioned in this drawing include: scheduling (S1), vegetation management (V1), apprising (A2), sequestering (S2), settling (S3), check dams (S4), debris rolls (S5), wind erosion control (S6), water conservation (S7), backwashing (S8), bypassing (S9), contact (S10), vehicle and equipment fueling (S11), vehicle and equipment maintenance (S12), materials delivery and storage (S13), materials use (S14), equipment management (S15), field inventory and control, and S6 (if required).

6. Analyze waste management (A1), hazardous waste management (A2), contaminated soil management (S7), composite waste management (S8), sanitary waste management (S9), and liquid waste management.

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**SHEET NOTES:**

1. **INSTALLATION OF HYDRANT PIPE AND UNDERWATER STRAINER SUPPORT:** Shall include, at a minimum, temporary use of a floating turbidity curtain to mitigate sediment suspension in surface waters.

2. **NO DEWATERING IS ANTICIPATED FOR PLACEMENT OF HYDRANT PIPE AND UNDERWATER STRAINER SUPPORT.** Should permit requirements necessitate localized dewatering for installation of hydrant pipe and strainer support, contractor shall submit a proposed dewatering plan for owner approval prior to implementation. Dewatering plans shall include drawings of proposed dewatering configuration, and description of installation and removal sequencing.

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**GENERAL WATER POLLUTION CONTROL DRAWING NOTES:**

1. Non-waste disposal activity drawings will be updated to reflect existing conditions and anticipated contractor operations.

2. Prior to the commencement of construction activities, perimeter control, BMPs, temporary construction site barriers, measures to preserve existing vegetation, and gravel bags shall be removed.

3. Sample locations are to be field verified by the JRF at the time of the first field sample event. If there is a location where stormwater is discharging and the location has not yet been identified as a sampling location, the location will be incorporated into the SWPPP and offer a unique sampling location number.

4. Direct stormwater discharges into the Klamath River are exempt from sampling and analysis as approved by the U.S. Army Corps of Engineers to reduce costs. Stormwater to be monitored for E15 and sediment.

5. Temporary items to be used on site that are not shown or mentioned in this drawing include: scheduling (S1), vegetation management (V1), apprising (A2), sequestering (S2), settling (S3), check dams (S4), debris rolls (S5), wind erosion control (S6), water conservation (S7), backwashing (S8), bypassing (S9), contact (S10), vehicle and equipment fueling (S11), vehicle and equipment maintenance (S12), materials delivery and storage (S13), materials use (S14), equipment management (S15), field inventory and control, and S6 (if required).

6. Analyze waste management (A1), hazardous waste management (A2), contaminated soil management (S7), composite waste management (S8), sanitary waste management (S9), and liquid waste management.

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**SHEET NOTES:**

1. **INSTALLATION OF HYDRANT PIPE AND UNDERWATER STRAINER SUPPORT:** Shall include, at a minimum, temporary use of a floating turbidity curtain to mitigate sediment suspension in surface waters.

2. **NO DEWATERING IS ANTICIPATED FOR PLACEMENT OF HYDRANT PIPE AND UNDERWATER STRAINER SUPPORT.** Should permit requirements necessitate localized dewatering for installation of hydrant pipe and strainer support, contractor shall submit a proposed dewatering plan for owner approval prior to implementation. Dewatering plans shall include drawings of proposed dewatering configuration, and description of installation and removal sequencing.
GENERAL WATER POLLUTION CONTROL DRAWING NOTES:

1. The water pollution control drawings will be updated to reflect existing conditions and anticipated contractor operations.

2. Prior to the commencement of construction activities, permissible control BMPs, temporary construction site and materials measures to preserve existing vegetation, and gravel bag BMPs shall be deployed.

3. Sampling locations are to be field verified by the gap at the time of the first sampling event. If there is a location where stormwater is discharging and the location has not yet been identified as a sampling location, the location will be redefined into the storm and given a unique sampling location number.

4. Direct stormwater discharges into the Klamath River are exempt from sampling and analysis as approved in the time schedule. Discharges to tributaries will be monitored for PM and sediment.

5. Temporary BMPs to be used on site that are not shown or mentioned in the drawing include: screening (9), silt fence (10), erosion control (11), check dams (12), fire breaks (13), erosion control (14), water diversion (15), water control (16), debris拦截 (17), debris diversion (18), vehicle and equipment cleaning (19), vehicle and equipment fueling (20), vehicle and equipment maintenance (21), material supply and storage (22), material supply (23), temporary construction BMP (24), soil protection and control (25), solid waste management (26), hazardous waste management (27), contaminated soil management (28), contaminated soil BMP (29), rock and debris waste management (30), and liquid waste management (31).

WARNING

1. CONTRACTOR SHALL SUBMIT A PROPOSED Dewatering PLAN FOR OWNER APPROVAL PRIOR TO IMPLEMENTATION. Dewatering PLAN SHALL INCLUDE DRAWINGS OF PROPOSED Dewatering CONFIGURATION, AND DESCRIPTION OF INSTALLATION AND REMOVAL SEQUENCING.

Preliminary Not for Construction
TRANSMISSION POLES REMOVAL:
1. POLES TO BE ACCESSED VIA ALL-TERRAIN VEHICLES AND CREW MEMBERS. NO BLADING OR GRADING TO BE PERFORMED.
2. POLES WILL BE CUT APPROXIMATELY 6 INCHES BELOW SURFACE AND REMOVED. SURFACE WILL BE BACKFILLED AND COMPACTED WITH NATIVE SOIL.
3. POLES WILL BE CARRIED OR DRAGGED DOWN THE HILLSIDE TO AN EXISTING ACCESS POINT OR ROAD.
TRANSMISSION POLES REMOVAL:

1. POLES TO BE ACCESSED VIA ALL-TERRAIN VEHICLES AND CREW MEMBERS. NO BLADING OR GRADING TO BE PERFORMED.

2. POLES WILL BE CUT APPROXIMATELY 6 INCHES BELOW SURFACE AND REMOVED. SURFACE WILL BE BACKFILLED AND COMPACTED WITH NATIVE SOIL.

3. POLES WILL BE CARRIED OR DRAGGED DOWN THE HILLSIDE TO AN EXISTING ACCESS POINT OR ROAD.
1. See Figure 2 for notes.
Erosion and Sediment Control Notes

1. BMPs based on 60 Percent Design Drawings.
2. Construction and earth-disturbing activities, including material or waste storage, are prohibited outside of the limits of disturbance.
3. The QSP shall document all activities and time frames (beginning/ending dates) on the progress map.
4. All construction contractor and subcontractor personnel are to be made aware of the required best management practices (BMPs) and good housekeeping measures for the project site.
5. Install and maintain linear sediment controls (SE-1, SE-5, SE-12) prior to earth disturbance.
6. Install construction entrances prior to earth disturbance (TC-1).
7. Stockpiles and loose soil shall be covered, and fiber rolls shall be installed along the downgradient edge of the stockpile to prevent sediment runoff.
8. Disturbed portions of the site that will remain inactive for longer than 14 days are required to be temporarily stabilized (EC-3, EC-7).
9. Trash and construction-related solid wastes must be deposited into a covered receptacle at the end of each day and during rain events (WM-5).
10. Water to control dust (WE-1) shall be applied to prevent or alleviate dust generated by construction activities. Care will be taken to prevent over-watering, which may result in runoff or erosion.
11. Water to control dust (WE-1) shall be applied to prevent or alleviate dust generated by construction activities. Care will be taken to prevent over-watering, which may result in runoff or erosion.
12. Additional BMPs shall be implemented by the contractor as dictated by site conditions to prevent erosion and pollutant transport and to always remain compliant with Federal, State, and Local requirements. The QSP shall consult the QSD if design changes are necessary and prior to any substitution or removal of BMPs.
13. Additional perimeter controls may be required along existing drainage pathways adjacent to work areas, as directed by the QSP.
14. Non-visible pollutant samples shall be collected downgradient of the area that triggered the sampling event.
15. The following BMPs will be implemented through the duration of the project:
   - Scheduling (EC-1)
   - Preservation of Existing Vegetation (EC-2)
   - Hydraulic Mulch (EC-3)
   - Geotextiles and Mats (EC-7)
   - Fiber Rolls (SE-5)
   - Street Sweeping and Vacuuming (SE-7)
   - Manufactured Linear Sediment Controls (SE-12)
   - Wind Erosion Control (WE-1)
   - Water Conservation Practices (NS-1)
   - Illicit Connection/Discharge (NS-6)
   - Stabilized Construction Entrance/Exit (TC-1)
   - Stabilized Construction Roadway (TC-2)
   - Stabilized Construction Entrance/Exit (TC-3)
   - Potable Water/Irrigation (NS-7)
   - Vehicle and Equipment Fueling (NS-9)
   - Vehicle and Equipment Maintenance (NS-10)
   - Material Delivery and Storage (WM-1)
   - Stockpile Management (WM-3)
   - Spill Prevention and Control (WM-4)
   - Solid Waste Management (WM-5)
   - Concrete Waste Management (WM-8)
   - Sanitary Waste Management (WM-9)
   - Liquid Waste Management (WM-10)

BMP Sequences by Phase

1. Grading and Land Development Phase (Pre-Drawdown and Post-Drawdown)
   - Scope of Work: Mobilize construction equipment and materials to the project site. Construct access roads.
   - BMPs - Refer to Figure 3, Figure 4, and Figure 5 for BMPs.
   - Concrete Waste Management (as needed)
     - Install and maintain concrete washout facilities within project footprint. Take care to prevent overtopping and spillage from the washout facilities. Remove concrete and cement from ground surface if spillage occurs.
   - Stockpile Management
     - Cover and/or berm all stockpiles prior to rain events and if the stockpile will be unused for a period of 14 days or longer.

2. Final Stabilization Phase (Post-Drawdown)
   - When feasible, begin implementation of Final Stabilization BMPs as identified in the construction plans when the area is no longer required for construction; otherwise implement temporary stabilization practices.
   - Remove temporary BMPs (except perimeter controls), construction material, and wastes prior to implementation of Final Stabilization BMPs.
   - Final stabilization measures to be implemented per the Stormwater Pollution Prevention Plan (SWPPP).
NOTES:
1) SEE FIGURE 2 FOR BMP NOTES.
2) BMPS ADDED TO RES 60% DESIGN DRAWINGS BY GEOSYNTEC.
3) MATERIAL AND WASTE MANAGEMENT BMPS SHALL BE UTILIZED THROUGHOUT STAGING AREAS.
4) IF STORM DRAIN INLETS ARE IDENTIFIED ON PROJECT SITE, ALL STORM DRAIN INLETS WITHIN AND DOWNSTREAM OF THE PROJECT FOOTPRINT WILL HAVE BMPS INSTALLED AT THEM TO RETAIN SEDIMENT THAT MAY FLOW INTO THE CURB AND GUTTER SYSTEM IN THE RIGHT-OF-WAY.
5) FINAL STABILIZATION MEASURES TO BE IMPLEMENTED PER THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP).
6) BMP REQUIRED MATERIALS SHALL MEET OR EXCEED STATE OF CALIFORNIA STORMWATER QUALITY ASSOCIATION (CASQA) REQUIREMENTS.

Klamath River Renewal Project
Restoration Staging Areas (Iron Gate Reservoir)
Jenny Creek Staging Area
Erosion and Sediment Control Plan

Geosyntec consultants
San Diego, CA May 2022

Figure 3
NOTES:
1) SEE FIGURE 2 FOR BMP NOTES.
2) BMPS ADDED TO RES 60% DRAWINGS BY GEOSYNTEC.
3) MATERIAL AND WASTE MANAGEMENT BMPS SHALL BE UTILIZED THROUGHOUT STAGING AREAS.
4) IF STORM DRAIN INLETS ARE IDENTIFIED ON PROJECT SITE, ALL STORM DRAIN INLETS WITHIN AND DOWNSTREAM OF THE PROJECT FOOTPRINT WILL HAVE BMPS INSTALLED AT THEM TO RETAIN SEDIMENT THAT MAY FLOW INTO THE CURB AND GUTTER SYSTEM IN THE RIGHT-OF-WAY.
5) FINAL STABILIZATION MEASURES TO BE IMPLEMENTED PER THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP).
6) BMP REQUIRED MATERIALS SHALL MEET OR EXCEED STATE OF CALIFORNIA STORMWATER QUALITY ASSOCIATION (CASQA) REQUIREMENTS.
NOTES:
1) SEE FIGURE 2 FOR BMP NOTES.
2) BMPS ADDED TO RES 60% DRAWINGS BY GEOSYNTEC.
3) MATERIAL AND WASTE MANAGEMENT BMPS SHALL BE UTILIZED THROUGHOUT STAGING AREAS.
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5) FINAL STABILIZATION MEASURES TO BE IMPLEMENTED PER THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP).
6) BMP REQUIRED MATERIALS SHALL MEET OR EXCEED STATE OF CALIFORNIA STORMWATER QUALITY ASSOCIATION (CASQA) REQUIREMENTS.
CONSTRUCTION LIMITS FENCE DETAIL

SCALE: 1" = 10'  

NOTE:
1. POST SHALL HAVE SUFFICIENT STRENGTH AND DURABILITY TO SUPPORT THE FENCE THROUGH THE LIFE OF THE PROJECT.

6'-0" MAX

VERTICAL POST

SELF-LOCKING TIE ~ NYLON 6/6 (MIN GRADE) 50# MIN TENSILE STRENGTH, UV STABILIZED

STEEL T-BAR POST FENCING MATERIAL

2x2 WOOD POST

2x2 WOOD OR STEEL T-BAR POST

ENVIRONMENTALLY SENSITIVE AREA BOUNDARY

HIGH DENSITY POLYETHYLENE OR POLYPROPYLENE MESH, RESISTANT, ORANGE COLOR

STAPLE OR TOP TIE

WARNING

1/2" IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.
EROSION AND SEDIMENT CONTROL NOTES - GRADING AND FINAL STABILIZATION:

1. Clearing, grubbing, and ground disturbing activities shall be confined to within the clearing limits and shall meet the requirements of specification 31 11 00. No grading or construction activities shall occur outside of the proposed improvements shown on the construction plans for this project.

2. During construction, provide positive drainage away from facilities.

3. No wetlands were identified within the project boundaries during the environmental survey.

4. Contractor shall remove all temporary erosion and sediment control, facilities, fencing, and staging area materials when construction is complete. No construction debris, demolition materials, or excess equipment shall be left on site.

5. Contractor shall regrade disturbed slopes to near existing condition as approved by the owner.

6. Existing vegetation shall remain in place for all disturbed areas as soon as practical after the last ground disturbing activities in the area. Contractor shall reseed all disturbed areas with native vegetation, per specification 31 25 00, and in accordance with sheets C220 and C221.

EROSION AND SEDIMENT CONTROL NOTES - BMP MEASURES:

1. All runoff from site construction activities and from rainfall events shall be detained on site and filtered prior to discharge. Stormwater runoff shall not be allowed to leave the site uncontrolled (suspended sediment). If this occurs, the contractor will be held solely responsible for any permit violations and fines.

2. Contractor shall take appropriate measures to prevent accumulation of construction waste and litter on site.

3. Contractor shall establish temporary silt fences or other erosion control devices in any additional locations where material could leave the construction site at the contractor's expense.

4. The silt fences and/or straw wattles shall be installed prior to any construction activities.

5. Contractor shall have available at all times adequate sprinkler equipment to facilitate dust abatement and control.

6. Stockpiled excavation materials shall be protected from water and wind erosion by covering as appropriate. When exposed for more than 14 days, stockpiles with impermeable tarps to protectdisturbed soil and slopes.

7. All grassed stockpiles shall be trimmed and placed in separate stockpiles. After back restoration to existing grade, top side shall be placed and seeded.

8. Contractor shall take appropriate measures to prevent accumulation of construction waste and litter on site.

9. Erosion and sediment control equipment for work inside of the ordinary high water mark shall utilize food-grade hydraulic fluids.

INVASIVE SPECIES, AND OTHER VEGETATIVE MATTER. Equipment for work inside of the ordinary high water mark shall utilize food-grade hydraulic fluids.

10. Contractor shall have on-site at all times spill prevention and control measures.

11. Contractor shall provide all water necessary for sprinkler operations.

12. Contractor shall have available at all times adequate sprinkler equipment to facilitate dust abatement and control.

13. Contractor shall submit an erosion and sediment control plan for work during construction that meets all federal, state, and local requirements.

A. The contractor is responsible for implementing and maintaining of erosion and sediment control measures (debris fencing, sand diversion ditches, etc.) dictated by field conditions to prevent erosion or the introduction of dirt, mud, or debris to exist public or private roadway, onto adjacent properties, into Fall Creek, or into the powerhouse channels. Any phase of construction operations, special attention shall be given to additional erosion and sediment control measures noted below.

B. The general erosion and sediment control plan on the EC drawings are provided to aid the contractor in developing the erosion and sediment control plan. The contractor shall submit a final plan to be reviewed by the owner.

C. Erosion control details are for information only to aid the contractor. The final locations and details shall be shown on the contractor's prepared Stormwater Pollution Prevention Plan (SWPPP) documents.

D. Contractor is responsible to provide all necessary erosion control measures for the duration of the project.

E. All BMP required materials shall meet or exceed State of California Stormwater Quality Association (CQSA) requirements.

F. Contractor shall develop a soil prevention, containment, and response plan that will be attached to the SWPPP.

EROSION AND SEDIMENT CONTROL NOTES - GENERAL:

1. The contractor shall develop an Erosion and Sediment Control Plan for work during construction that meets all federal, state, and local requirements.

A. The contractor is responsible for implementing and maintaining of erosion and sediment control measures (debris fencing, sand diversion ditches, etc.) dictated by field conditions to prevent erosion or the introduction of dirt, mud, or debris to exist public or private roadway, onto adjacent properties, into Fall Creek, or into the powerhouse channels. Any phase of construction operations, special attention shall be given to additional erosion and sediment control measures noted below.

B. The general erosion and sediment control plan on the EC drawings are provided to aid the contractor in developing the erosion and sediment control plan. The contractor shall submit a final plan to be reviewed by the owner.

C. Erosion control details are for information only to aid the contractor. The final locations and details shall be shown on the contractor's prepared Stormwater Pollution Prevention Plan (SWPPP) documents.

D. Contractor is responsible to provide all necessary erosion control measures for the duration of the project.

E. All BMP required materials shall meet or exceed State of California Stormwater Quality Association (CQSA) requirements.

F. Contractor shall develop a soil prevention, containment, and response plan that will be attached to the SWPPP.
1. **FISH BARRIER BERM**
2. **FISH LADDER**
3. **TRAPPING/SORTING POND**
4. **SETTLING POND**
5. **SPAWNING BUILDING**
6. **FISH EXCLUSION BARRIER**
7. **CHINOOK ADULT HOLDING POND**
8. **COHO ADULT HOLDING POND**

**PROJECT WORK BOUNDARIES AND CLEARING AND GRUBBING LIMITS**

**EXIST COPCO ROAD**

**COFFERDAM, SEE NOTE 2**

**EROSION AND SEDIMENT CONTROL SOUTH PLAN**

**SCALE: 1"=20'**

**WARNING**

1. IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

**SHEET NOTES:**

1. SEE DRAWING EC100 FOR STANDARD EROSION AND SEDIMENT CONTROL NOTES.
2. CONTRACTOR SHALL REVIEW SPECIFICATIONS TO UNDERSTAND THE HYDROLOGY AND HYDRAULICS OF FALL CREEK WHEN DESIGNING THE COFFERDAM. CONTRACTOR SHALL SUBMIT THE COFFERDAM PLAN FOR APPROVAL AS PER SPECIFICATION 02 15 00. CONTRACTOR SHALL SUBMIT THE PROJECT IN DEVELOPMENT OF A PLAN FOR IN-WATER WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR STAGING OF WORK, COORDINATION WITH SITE HYDROLOGY, COFFERDAM DESIGN, CONSTRUCTION, AND MAINTENANCE. FLOW BYPASSING, ETC AS INCIDENTAL TO THE CONSTRUCTION PROCESS.

**PROPOSED COFFERDAM STAGING, SEE NOTE 3:**

A. CONSTRUCT UPSTREAM COFFERDAM TO ISOLATE FISH LADDER AND FISH BARRIER CONSTRUCTION AREA.
B. CONCURRENT WITH UPSTREAM COFFERDAM CONSTRUCTION, INSTALL FLOW BYPASS PIPE TO PASS CREEK FLOWS DOWNSTREAM OF THE CONSTRUCTION AREA. AT OUTLET OF BYPASS PIPE PLACE TEMPORARY RIPRAP TO PROTECT THE CREEK FROM EROSION.
C. CONSTRUCT COFFERDAM DOWNSTREAM OF CONSTRUCTION AREA TO PRECLUDE BACKWATER FROM FALL CREEK INUNDATING THE CONSTRUCTION AREA.
D. PERFORM FISH SALVAGE OPERATIONS AS PER SPECIFICATION 02 15 00. DEWATER CONSTRUCTION AREA FOR THE FISH LADDER AND FISH BARRIER. CONTRACTOR SHALL BE RESPONSIBLE FOR TREATING WATER BY AN APPROVED METHOD IN ACCORDANCE WITH THE CONTRACTOR’S CGP PRIOR TO DISCHARGE.
E. AFTER CONSTRUCTION IS COMPLETE AND THE CONSTRUCTION AREA IS READY TO RECEIVED CREEK FLOWS AGAIN, SAFELY REMOVE DOWNSTREAM COFFERDAM (WHILE KEEPING THE BYPASS PIPE IN COMMISSION). THEN SAFELY REMOVE THE FISH LADDER AND FISH BARRIER. CONTRACTOR SHALL BE RESPONSIBLE FOR TREATING WATER BY AN APPROVED METHOD IN ACCORDANCE WITH THE CONTRACTOR’S CGP PRIOR TO DISCHARGE.

**LEGEND:**

- **SF** SILT FENCE
- **CD** COFFERDAM
- **CF** CONSTRUCTION FENCE

**DESIGNED:** A. LEMAN

**DRAWN:** J. LAHMON

**CHECKED:** J. LAHMON

**AUDIT:** LEMAN

**PROJECT DATE:** 10/28/20

**JOB NO:** 000000

**ASSOCIATES:** JACOBS

**KLAMATH RIVER RENEWAL CORPORATION**

**EROSION AND SEDIMENT CONTROL SOUTH PLAN**
EXIST DAM B
CONCRETE SLAB LIMITS

SILT FENCE

COFFERDAM

FLOW BYPASS

PROPOSED COFFERDAM STAGING, SEE NOTE 4:

A. CONSTRUCT UPSTREAM COFFERDAM TO ISOLATE DAM B MODIFICATIONS CONSTRUCTION AREA. MAINTAIN FLOW TO THE CITY OF YREKA INTAKE FOR THE DURATION OF CONSTRUCTION.

B. CONCURRENTLY WITH UPSTREAM COFFERDAM CONSTRUCTION, INSTALL FLOW BYPASS PIPE TO PASS CREEK FLOWS DOWNSTREAM OF THE CONSTRUCTION AREA. UTILIZE PUMPS OR SIPHONS AS REQUIRED BY THE FLOW BYPASS ROUTING. AT OUTLET OF BYPASS PIPE PLACE TEMPORARY QUARRY SPALLS OR RIPRAP TO PROTECT THE CREEK FROM EROSION.

C. PERFORM FISH SALVAGE OPERATIONS PER SPECIFICATION 02 15 00 THEN DEWATER CONSTRUCTION AREA FOR THE DAM B BARRIER MODIFICATIONS CONSTRUCTION AREA TO REWATER VESTIBULE. TREATING WATER BY AN APPROVED METHOD IN ACCORDANCE WITH THE CONTRACTOR'S CGP PRIOR TO DISCHARGE.

D. AFTER CONSTRUCTION IS COMPLETE AND THE CONSTRUCTION AREA IS READY TO RECEIVE CREEK FLOWS AGAIN, SAFELY BREACH AND REMOVE UPSTREAM COFFERDAM AND ALLOW CONSTRUCTION AREA TO REWATER. VISITILY REMOVE FLOW BYPASS PIPE.