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| | DATE | 05/27/2022 |
| COPCO COVE RECREATION FACILITY TEMPORARY & PERMANENT EROSION & SEDIMENT CONTROL PLAN | DWG (WPC | C7630 |



| DESIGNED | K. FITZGERALD |
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| DRAWN | K. FITZGERALD |
| REVIEWED | C. SCHLUMPBERGER |
| IN CHARGE | N. BISHOP |
| APPROVED | S. MOTTRAM |

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| Control to the commencement of construction activities, perimeter control bMPs, temporary construction entractor operations. In the water pollution control brawnings will be update to reflect existing conditions and anticipate contractor operations. Sometime center of the commencement of construction activities, perimeter control bMPs, temporary construction entrances/exits, measures exists of control brawning by the period of the period. Sometime center of the commencement of construction activities, perimeter control bMPs, temporary construction entrances/exits, measures in the control bar of the period. Sometime center of the commencement of construction activities, perimeter control bMPs, temporary construction entrances/exits, measures into the second of the control bar of the period. Sometime center of the control bar of the period of the period of the period. Sometime center of the control bar of the period of the period. Sometime center of the control bar of the control bar of the period. Sometime center of the control bar of the control bar of the period of the period. Sometime center of the control bar of the control bar of the control bar of the period. Sometime center of the control bar of the control bar of the period. Sometime center of the control bar of the control bar of the period. Sometime center of the period. Sometime center of the period of the period. Sometime center of the period of the period. Sometime center of the period of the period of the period of the period. Sometime center of the period of the perio | 2 592 400 N STABILIZED WECCONSTRUCTION ENTRANCE/EXIT | и Г (TC-1) |
| L THE VALUE VOLUCION CONTROL DRAWINGS WILL BE OF DATED TO REFLECT EXCISION CONTROL BMPS, TEMPORARY CONSTRUCTION FOR OPERATIONS. 2. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES, PERIMETER CONTROL BMPS, TEMPORARY CONSTRUCTION ENTRANCES/EXITS, MEASURES 5. SAMPLING LOCATIONS ARE TO BE FIELD VERIFIED BY THE QSP AT THE TIME OF THE PRST QUALIFYING RAIN 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 4. DIRECT STORMWATER DISCHARGES INTO THE KLAMATH RIVER ARE EXEMPT FROM SAMPLING AND ANALYSIS AS APPROVED IN THE TIME SCHEDULE ORDER DISCHARGES TO TRIBUTARIES WILL BE MONITORED FOR PH AND SEDIMENT. 5. STAMPORARY BMPS TO BE USED ON SITE THAT ARE NOT SHOWN OR MENTIONED IN THIS DRAWING INCLUDE: SCHEDULING (EC.1), PRESERVATION OF EXISTING VECTOR, WORKS GEVATION PRACTICES (NS-1), DEWATERING OPERATIONS (NS-3), LILICIT CONNECTION (NS-6), VEHICLE AND EQUIPMENT TO EXAMPLISH TO BE USED ON SITE THAT ARE NOT SHOWN OR MENTIONED IN THIS DRAWING INCLUDE: SCHEDULING (EC.1), PRESERVATION OF EXISTING VECTOR, WORKS GEVATION PRACTICES (NS-1), DEWATERING OPERATIONS (NS-3), LILICIT CONNECTION (NS-6), VEHICLE AND EQUIPMENT CELANING (NS-4), VEHICLE AND EQUIPMENT MAINTENSENCE (NS-1), DATEMATINE SCHEDULING (SC-4), DRESERVATION PRACTICES (NS-1), DEWATERING OPERATION (NS-6), VEHICLE AND EQUIPMENT SARTIPA NARGEMENT (WM-3), SOLD WASTE MANAGEMENT (WM-3), SOLD WASTE MANAGEMENT (WM-3), STORAGE (WM-1), MATERIAL USE (WM-2), STOCKPLE MANAGEMENT (WM-3), SOLD WASTE MANAGEMENT (WM-3), SARTIPA NARGEMENT (WM-3), CONTANTINATED SOLL MANAGEMENT (WM-3), CONCRETE WASTE MANAGEMENT (WM-3), SARTIPA NARGEMENT (WM-3), SOLD WASTE MANAGEMENT (WM-4), SOLD WASTE MANAGEMENT (WM-4), SOLD WASTE MANAGEMENT (WM-4), SARTIPA SARDING AND ANALYSISPE OR ANAGEMENT (WM-4), SOLD WASTE MANAGEMENT (WM-4), SARTIPA SARDEMANGEMENT (WM-4), SART | GENERAL WATER POLLUTION CONTROL | DRAWING NOTES: |
| 3. SAMPLING LOCATIONS ARE TO BE FIELD VERIFIED BY THE QSP AT THE TIME OF THE FIRST QUALIFYING RAIN EVENT. IF THERE IS A LOCATION WHERE STORMWATER IS DISCINARCING AND HE LOCATION NUMBER. 3. DIRECT STORMWATER DISCHARGES INTO THE 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 MONTORED FOR PH AND SEDIMENT. 5. TEMPORARY BMPS TO BE USED ON SITE THAT ARE NOT SHOWN OR MENTIONED IN THIS DRAWING INCLUDE: SCHEDULING (EC-1), PRESERVATION OF EXISTING VECE?), STOREDEDING (EC-2), HYDROSEEDING (| THE WATER POLLUTION CONTROL DRAWINGS WILL BE UPDATED TO REFLECT E PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES, PERIMETER CO TO PRESERVE EXISTING VEGETATION, AND GRAVEL BAG BERMS SHALL BE DEPLO . | EXISTING CONDITIONS AND ANTICIPATED CONTRACTOR OPERATIONS. |
| 14. DIRECT STORMWATER DISCHARGES INTO THE RELAMATE HOVER ARE EXEMPT FROM SAMPLING AND ANALYSIS AS APPROVED IN THE TIME SCHEDULE 15. TEMPORARY BMPS TO BE USED ON SITE THAT ARE NOT SHOWN OR MENTIONED IN THIS DRAWING INCLUDE: SCHEDULING (EC-1), PRESERVATION OF 15. TEMPORARY BMPS TO BE USED ON SITE THAT ARE NOT SHOWN OR MENTIONED IN THIS DRAWING INCLUDE: SCHEDULING (EC-1), PRESERVATION OF 16. EXISTING VEGETATION (EC-2), HYDROSEEDING (EC-4), GEOTEXTILES & MATS (EC-7), SLOPE DRAINS (EC-1), CHECK DAMS (SE-4), FIBER ROLLS (SE-5) WIND 16. EXISTING VEGETATION (EC-2), HYDROSEEDING (EC-4), GEOTEXTILES & MATS (EC-7), SLOPE DRAINS (EC-1), CHECK DAMS (SE-4), FIBER ROLLS (SE-5) WIND 16. EXISTING VEGETATION (EC-2), HYDROSEEDING (EC-4), GEOTEXTILES & MATS (EC-7), SLOPE DRAINS (EC-1), CHECK DAMS (SE-4), FIBER ROLLS (SE-5) WIND 16. EXISTING VEGETATION (EC-2), HYDROSEEDING (EC-4), GEOTEXTILES & MATS (EC-7), SLOPE DRAINS (EC-1), CHECK DAMS (SE-4), FIBER ROLLS (SE-5) WIND 16. EXISTING VEGETATION (EC-2), HYDROSEEDING (EC-4), GEOTEXTILES & MATS (EC-7), SLOPE DRAINS (EC-1), CHECK DAMS (SE-4), FIBER ROLLS (SE-5) WIND 17. EXISTING VEGETATION (EC-2), HYDROSEEDING (EC-4), GEOTEXTING (NS-9), VEHICLES AND FOURMENT (AMINTERENCE (FISHIL) DELIVERY AND 18. SUBED FOR CONSTRUCTION 2592 200 N 2592 200 N 2592 200 N 19. EXISTING VEGETAL CONSTRUCTION 19. EXISTING VEGETAL CONSTRUCTION 19. EXISTING VEGETAL CONSTRUCTION 19. EXISTING VEGETAL CONSTRUCTION 19. | 3. SAMPLING LOCATIONS ARE TO BE FIELD VERIFIED BY THE QSP AT THE TIME OF STORMWATER IS DISCHARGING AND THE LOCATION HAS NOT YET BEEN IDENTIFIE INTO THE SWPPP AND GIVEN A UNIQUE SAMPLING LOCATION NUMBER. | THE FIRST QUALIFYING RAIN EVENT. IF THERE IS A LOCATION WHERE ED AS A SAMPLING LOCATION, THE LOCATION WILL BE INCORPORATED |
| EROSION CONTROL (WE ¹), WATER CONSERVATION PRACTICES (NS-1), DEWATERING OPERATIONS (NS-2), LLICIT CONNECTION (NS-6), VEHICLE AND EQUIPMENT CLEANING (NS-8), VEHICLE AND EQUIPMENT FUELING (NS-9), VEHICLES AND EQUIPMENT MAINTENALCE (NS-10), MATERIAL DELIVERY AND STORAGE (WH-1), MATERIAL USE (WH-2), STOCKPILE MANAGEMENT (WM-3), SPILL PREVENTION AND CONTROL (WM-4), SOLD WASTE MANAGEMENT (WM-5), HAZARDOUS WASTE MANAGEMENT (WM-6), CONTAMINATED SOIL, MANGEMENT (WM-7), CONCRETE WASTE MANAGEMENT, (WM-8) SANITARY/SEPTIC WASTE MANAGEMENT, (WM-9), AND LIQUID WASTE MANAGEMENT (WM-10) 2592 200 N 2592 200 N UNANGEMENT (WM-6), CONTAMINATED SOIL, MANGEMENT (WM-7), CONCRETE WASTE MANAGEMENT, (WM-8) SANITARY/SEPTIC WASTE MANAGEMENT, (WM-9), AND LIQUID WASTE MANAGEMENT (WM-10) 2592 200 N UNANGEMENT, WM-9), AND LIQUID WASTE MANAGEMENT (WM-10) UNANGEMENT, WM-9), AND LIQUID WASTE MANAGEMENT, WM-10) UNANGEMENT, WM-9), AND LIQUID W | 4. DIRECT STORMWATER DISCHARGES INTO THE KLAMATH RIVER ARE EXEMPTIFY ORDER. DISCHARGES TO TRIBUTARIES WILL BE MONITORED FOR PH AND SEDIMEN . 5. TEMPORARY BMPS TO BE USED ON SITE THAT ARE NOT SHOWN OR MENTIONED EXISTING VEGETATION (EC-2), HYDROSEEDING (EC-4), GEOTEXTILES & MATS (EC- | IN THIS DRAWING INCLUDE: SCHEDULING (EC-1), PRESERVATION OF 7), SLOPE DRAINS (EC-11), CHECK DAMS (SE-4), FIBER ROLLS (SE-5) WIND |
| ANAGEMENT, (WM-9), AND LIQUID WASTE MANAGEMENT (WM-10) 2 592 200 N ISSUED FOR CONSTRUCTION WARNING 0 1/2 1 IF THIS BAR DOES NOT MEASURE 1" THEN BAR DOES NOT | EROSION CONTROL (WE-1), WATER CONSERVATION PRACTICES (NS-1), DEWATERIN EQUIPMENT CLEANING (NS-8), VEHICLE AND EQUIPMENT FUELING (NS-9), VEHICLE STORAGE (WM-1), MATERIAL USE (WM-2), STOCKPILE MANAGEMENT (WM-3), SPILL HAZARDOUS WASTE MANAGEMENT (WM-6), CONTAMINATED SOIL MANGEMENT (| NG OPERATIONS (NS-2), ILLICIT CONNECTION (NS-6), VEHICLE AND ES AND EQUIPMENT MAINTENENCE (NS-10), MATERIAL DELIVERY AND L PREVENTION AND CONTROL (WM-4), SOLID WASTE MANAGEMENT (WM-5), WM-7), CONCRETE WASTE MANAGEMENT, (WM-8) SANITARY/SEPTIC WASTE |
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WATER POLLUTION CONTROL DRAWINGS FOR LAKEVIEW/AGER BESWICK INTERSECTION IMPROVEMENT

VICINITY MAP 1" = 1 MILE

NOTES:

- 1. TURNING RADII SHOWN ARE APPROX. AND WERE CONSTRUCTED WITHIN GOOGLE EARTH TO REFLECT THE VERTICAL INCREASE IN ELEVATION THAT EXISTS WHILE TURNING ONTO CREST LN.
- 2. THE VERTICAL CURVE OF THE CREST LN IS UNKNOWN AND SHOULD BE VERIFIED TO ENSURE ADEQUATE INGRESS.
- 3. THE LOCATION OF UTILITIES IS APPROXIMATE AND THE HEIGHT OF THE OVERHEAD TELEPHONE WIRE SHOULD BE VERIFIED AS WELL AS THE DEPTH/LOCATION OF THE IRRIGATION CULVERT. AN EXTENSION MAY BE NEEDED AT THE OUTLET AND LIKELY IS LOCATED IN THE NEEDED FILL PRISM
- 4. FOR UTILITIES AND EXISTING INTERSECTION CONDITIONS, REFER TO SISKIYOU COUNTY DEPARTMENT OF PUBLIC WORKS: AGER-BESWICK ROAD, PLAN & PROFILE, SHEET 7 OF 24.
- 5. INTERSECTION IMPROVEMENT CONCEPT IS PROVIDED FOR SISKIYOU COUNTY REVIEW. TRAFFIC MANAGEMENT FEATURES WILL BE DEVELOPED PENDING CONCEPT APPROVAL.
- 6. TIE-IN SHALL MEET THE REQUIREMENTS OF SISKIYOU COUNTY ENCROACHMENT PERMIT.
- 7. SEE C5000 AND C5001 FOR GENERAL NOTES SPECIFIC TO ROADS, BRIDGES AND CULVERT COMPONENTS.
- 8. SEE C5002 AND G0005 FOR LEGEND AND SYMBOLS.
- 9. CONTRACTOR SHALL VERIFY GRADES, STRUCTURES, STATIONING AND ELEVATIONS TO COMPLY WITH GLOBAL PROJECT CONTROL POINTS, CORRECTIONS TO DISCREPANCIES SHOULD USE LOCAL CONTROLS AS SHOWN ON DRAWINGS.
- 10. TRAFFIC MANAGEMENT PLAN, IF REQUIRED, SHALL BE COORDINATED AS APPROVED PER SISKIYOU COUNTY MOU.

ISSUED FOR CONSTRUCTION

| | PROJ # | VA103-640/1 |
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| REAMATH RIVER RENEWAL PROJECT | DATE | 05/27/2022 |
| ET TITLE | DWG | |
| AKEVIEW/AGER BESWICK INTERSECTION IMPROVEMENT CONCEPT LAYOUT | C6500 | |
| | WPC | CD-LBI-01 |

PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES, PERIMETER CONTROL BMPS, TEMPORARY CONSTRUCTION ENTRANCES/ XITS, MEASURES TO PRESERVE EXISTING VEGETATION, AND GRAVEL BAG BERMS SHALL BE DEPLOYED.

SAMPLING LOCATIONS ARE TO BE FIELD VERIFIED BY THE QSP AT THE TIME OF THE FIRST QUALIFYING RAIN EVENT. IF THERE IS A OCATION WHERE STORMWATER IS DISCHARGING AND THE LOCATION HAS NOT YET BEEN IDENTIFIED AS A SAMPLING LOCATION, THE CATION WILL BE INCORPORATED INTO THE SWPPP AND GIVEN A UNIQUE SAMPLING LOCATION NUMBER.

DIRECT STORMWATER DISCHARGES INTO THE KLAMATH RIVER ARE EXEMPT FROM SAMPLING AND ANALYSIS AS APPROVED IN THE TIM IEDULE ORDER. DISCHARGES TO TRIBUTARIES WILL BE MONITORED FOR PH AND SEDIMENT.

EMPORARY BMPS TO BE USED ON SITE THAT ARE NOT SHOWN OR MENTIONED IN THIS DRAWING INCLUDE: SCHEDULING (EC-1). SERVATION OF EXISTING VEGETATION (EC-2), HYDROSEEDING (EC-4), GEOTEXTILES & MATS (EC-7), SLOPE DRAINS (EC-11), CHECK DAM -4), FIBER ROLLS (SE-5) WIND EROSION CONTROL (WE-1), WATER CONSERVATION PRACTICES (NS-1), DEWATERING OPERATIONS (NS-2), ICIT CONNECTION (NS-6), VEHICLE AND EQUIPMENT CLEANING (NS-8), VEHICLE AND EQUIPMENT FUELING (NS-9), VEHICLES AND IPMENT MAINTENENCE (NS-10), MATERIAL DELIVERY AND STORAGE (WM-1), MATERIAL USE (WM-2), STOCKPILE MANAGEMENT (WM-ILL PREVENTION AND CONTROL (WM-4), SOLID WASTE MANAGEMENT (WM-5), HAZARDOUS WASTE MANAGEMENT (WM-6), NTAMINATED SOIL MANGEMENT (WM-7), CONCRETE WASTE MANAGEMENT, (WM-8) SANITARY/SEPTIC WASTE MANAGEMENT, (WM-9), ND LIQUID WASTE MANAGEMENT (WM-10)

EROSION AND SEDIMENT CONTROL PLAN

SCALE: 1"= 100'

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CONTRACTOR

STAGING

EROSION AND SEDIMENT CONTROL NOTES:

GENERAL NOTES:

- THE 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 IMPLEMENTATION AND MAINTENANCE OF EROSION AND SEDIMENT CONTROL MEASURES (MULCHING OF STRAW, 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 KLAMATH RIVER DURING ANY PHASE OF CONSTRUCTION OPERATIONS. SPECIAL ATTENTION SHALL BE GIVEN TO ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES NOTED BELOW.
- THE GENERAL EROSION AND SEDIMENT CONTROL PLAN ON THE EC B. DRAWINGS ARE PROVIDED TO AID THE CONTRACTOR IN DEVELOPING THE EROSION AND SEDIMENT CONTROL PLAN ACCORDING TO CONTRACTOR SCHEDULE AND PHASING OF THE PROJECT.
- C. EROSION CONTROL DETAILS ARE FOR INFORMATION ONLY TO AID THE CONTRACTOR. THE FINAL LOCATIONS AND DETAIL SHALL BE SHOWN ON THE CONTRACTOR'S PREPARED STORMWATER POLLUTION PREVENTION PLAN (SWPPP) DOCUMENT.
- D. CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL NECESSARY EROSION CONTROL MEASURES FOR THE DURATION OF THE PROJECT. MAINTENANCE OF BOTH TEMPORARY AND PERMANENT EROSION CONTROL MEASURES SHALL BE CONSIDERED INCIDENTAL.
- E. ALL BMP REQUIRED MATERIALS SHALL MEET OR EXCEED STATE OF CALIFORNIA STORMWATER QUALITY ASSOCIATION (CASQA) REQUIREMENTS.
- F. CONTRACTOR SHALL DEVELOP A SPILL PREVENTION, CONTAINMENT, AND RESPONSE PLAN THAT WILL BE ATTACHED TO THE SWPPP.
- G. THE CONTRACTOR'S ECP SHALL MEET OR EXCEED THE REQUIREMENTS OUTLINED IN SPECIFICAITON SECTION 31 25 00 EROSION SEDIMENTATION CONTROLS PREPARED BY KIGHT PIESOLD CONSULTING.

GRADING AND FINAL STABILIZATION:

- CLEARING, GRUBBING, AND GROUND DISTURBING ACTIVITIES SHALL BE 1. CONFINED TO WITHIN 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. PRESERVE EXIST VEGETATION BEYOND DISTURBED AREA -UTILIZE AS NATURAL BUFFER STRIPS.
- DURING CONSTRUCTION, PROVIDE POSITIVE DRAINAGE AWAY FROM 2. FACILITIES.
- 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.
- CONTRACTOR SHALL REGRADE DISTURBED SLOPED TO NEAR EXIST CONDITION AS APPROVED BY THE OWNER.
- ESTABLISH A TEMPORARY VEGETATIVE COVER ON 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 SHEET EC100.

BMP MEASURES:

- 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 UNTREATED (LADEN W/ SUSPENDED SEDIMENT). IF THIS OCCURS. THE CONTRACTOR WILL BE HELD SOLELY RESPONSIBLE FOR ANY PERMIT VIOLATIONS AND FINES.
- CONTRACTOR SHALL TAKE APPROPRIATE MEASURES TO PREVENT 2.
- ACCUMULATION OF CONSTRUCTION WASTE AND LITTER ON-SITE. CONTRACTOR SHALL INSTALL SILT FENCE AND/OR STRAW WATTLES AS INDICATED AND IN ANY ADDITIONAL LOCATIONS WHERE MATERIAL COULD LEAVE THE CONSTRUCTION SITE, AT CONTRACTOR'S EXPENSE.
- THE SILT FENCE AND/OR STRAW WATTLES SHALL BE INSTALLED PRIOR TO ANY CONSTRUCTION ACTIVITIES.
- CONTRACTOR SHALL HAVE AVAILABLE AT ALL TIMES ADEQUATE SPRINKLER EQUIPMENT TO FACILITATE DUST ABATEMENT AND CONTROL. CONTRACTOR SHALL PROVIDE ALL WATER NECESSARY FOR SPRINKLER OPERATIONS.
- STOCKPILED EXCAVATION MATERIALS SHALL BE PROTECTED FROM WATER AND WIND EROSION BY COVERING AS APPROPRIATE. WHEN EXPOSED FOR MORE THAN 14 DAYS, COVER STOCKPILES WITH IMPERMEABLE TARPS TO PROTECT DISTURBED SOILS AND SLOPES.
- ALL TOP SOIL SHALL BE STRIPPED AND PLACED IN SEPARATE STOCKPILE. AFTER BANK RESTORATION TO EXIST GRADE, TOP SOIL SHALL BE PLACED AND RESEEDED.
- CONTRACTOR SHALL HAVE ON-SITE AT ALL TIMES SPILL PREVENTION AND CONTROL MEASURES.
- ENSURE ALL EQUIPMENT IS CLEAN AND FREE OF OIL/FUEL LEAKS, DIRT, PLANTS, AND ANIMALS OR FRAGMENTS OF PLANTS, AQUATIC INVASIVE SPECIES, AND OTHER VEGETATIVE MATTER.

| NEWAL CORPORATION | | DRAWING |
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| KA WATER LINE | DESIGNED J. BURNS | |
| | DRAWN R. WOOD | |
| | CHECKED J. LOWY | EC100 |
| MENT CONTROL PLAN | PROJECT DATE 5/25/22 | |
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| G] | ENERAL | WATER I | POLLUTIO | N CONTRO | L DRAWI | NG NOT | ES: | | 5/16.2 |
| I. T. OPE | HE WATER POLL ERATIONS. | UTION CONTROL | DRAWINGS WILL BE | E UPDATED TO REFLE | CT EXISTING CON | DITIONS AND A | NTICIPATED CO | DNTRACTOR | |
| 2. Pl | RIOR TO THE COM | MMENCEMENT OF | CONSTRUCTION AC | CTIVITIES, PERIMETE | R CONTROL BMPS, | , TEMPORARY C | ONSTRUCTION | ENTRANCES/ | |
| EXI | TS, MEASURES TO | O PRESERVE EXIS | TING VEGETATION, | AND GRAVEL BAG B | ERMS SHALL BE D | EPLOYED. | | | |
| 3. Sz LOC | AMPLING LOCAT CATION WHERE S | TIONS ARE TO BE F STORMWATER IS I | FIELD VERIFIED BY T DISCHARGING AND T | THE QSP AT THE TIME THE LOCATION HAS N | E OF THE FIRST QU NOT YET BEEN IDE | JALIFYING RAIN NTIFIED AS A S | EVENT. IF THE | ERE IS A ATION, THE | |
| LOC | CATION WILL BE | INCORPORATED I | NTO THE SWPPP AN | D GIVEN A UNIQUE S. | AMPLING LOCATIO | ON NUMBER. | | | |
| 4. D SCH | IRECT STORMWA | ATER DISCHARGES DISCHARGES TO T | S INTO THE KLAMAT RIBUTARIES WILL F | TH RIVER ARE EXEMP BE MONITORED FOR P | PT FROM SAMPLIN PH AND SEDIMENT | G AND ANALYS | IS AS APPROVI | ED IN THE TIME | |
| 5. TI | EMPORARY BMP | S TO BE USED ON | SITE THAT ARE NOT | SHOWN OR MENTIO | NED IN THIS DRAV | VING INCLUDE | SCHEDULING (| EC-1). | |
| PRE (SF | ESERVATION OF E | EXISTING VEGETA | TION (EC-2), HYDRC | DSEEDING (EC-4), GEC 1), WATER CONSERV | OTEXTILES & MAT | S (EC-7), SLOPE | DRAINS (EC-11 ERING OPERAT | , CHECK DAMS | |
| ILLI | ICIT CONNECTIO | N (NS-6), VEHICLE ENENCE (NS-10) | E AND EQUIPMENT C | CLEANING (NS-8), VEH | HICLE AND EQUIPM | MENT FUELING E (WM-2) STOC | (NS-9), VEHICLI | ES AND MENT (WM-3) | |
| | JIPMENT MAINTE | AND CONTROL (W | 'M-4), SOLID WASTE | MANAGEMENT (WM | -5), HAZARDOUS W | ASTE MANAGE | MENT (WM-6), | NT (WM 0) | |
| SPII | JIPMENT MAINTE LL PREVENTION A | II. MANGEMENT | WIN-7, CONCRETE V | TO LIVIANAUENIEN. | r, (mm-o) SAMTAN | CHISEI HC WAS | | ····, (·······), | |
| SPII CON ANI | DIPMENT MAINTE LL PREVENTION A VTAMINATED SO D LIQUID WASTE | IL MANGEMENT (MANAGEMENT () | WM-10) | | | | | | |
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| SPII CON ANI | JIPMENT MAINTE LL PREVENTION A VTAMINATED SO D LIQUID WASTE | IL MANGEMENT (| WM-10) | | E so | CALE: 1"= 50 | AND SE | DIMEN | T CONTROL |
| ANI | JIPMENT MAINTE LL PREVENTION A VTAMINATED SO D LIQUID WASTE | IL MANGEMENT (| WM-10) | | <u>E</u> s(| CALE: 1"= 50 | AND SE | DIMEN | T CONTROL |
| | DIPMENT MAINTE | IL MANGEMENT (| WM-10) | | <u>E</u> so | CALE: 1"= 50' | AND SE | DIMEN | T CONTROL |
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| | LL PREVENTION A VTAMINATED SO D LIQUID WASTE | | P.CONSTRUCTION | | | CALE: 1"= 50 | AND SE | DIMEN | T CONTROL |

EROSION AND SEDIMENT CONTROL NOTES:

GENERAL NOTES:

1. THE 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 IMPLEMENTATION AND MAINTENANCE OF EROSION AND SEDIMENT CONTROL MEASURES 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 KLAMATH RIVER DURING ANY PHASE OF CONSTRUCTION OPERATIONS. SPECIAL ATTENTION SHALL BE GIVEN TO ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES NOTED BELOW.
- 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 ACCORDING TO CONTRACTOR SCHEDULE AND PHASING OF THE PROJECT.
- C. EROSION CONTROL DETAILS ARE FOR INFORMATION ONLY TO AID THE CONTRACTOR. THE FINAL LOCATIONS AND DETAIL SHALL BE SHOWN ON THE CONTRACTOR'S PREPARED STORMWATER POLLUTION PREVENTION PLAN (SWPPP) DOCUMENT.
- D. CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL NECESSARY EROSION CONTROL MEASURES FOR THE DURATION OF THE PROJECT. MAINTENANCE OF BOTH TEMPORARY AND PERMANENT EROSION CONTROL MEASURES SHALL BE CONSIDERED INCIDENTAL.
- E. ALL BMP REQUIRED MATERIALS SHALL MEET OR EXCEED STATE OF CALIFORNIA STORMWATER QUALITY ASSOCIATION (CASQA) REQUIREMENTS.
- F. CONTRACTOR SHALL DEVELOP A SPILL PREVENTION, CONTAINMENT, AND RESPONSE PLAN THAT WILL BE ATTACHED TO THE SWPPP.
- G. THE CONTRACTOR'S ECP SHALL MEET OR EXCEED THE REQUIREMENTS OUTLINED IN SPECIFICATION SECTION 31 25 00 EROSION SEDIMENTATION CONTROLS PREPARED BY KIGHT PIESOLD
- CONSULTING.

GRADING AND FINAL STABILIZATION:

- CLEARING, GRUBBING, AND GROUND DISTURBING ACTIVITIES SHALL BE CONFINED TO WITHIN CLEARING LIMITS AND SHALL MEET THE REQUIREMENTS OF SPECIFICATION 31 25 00. NO GRADING OR CONSTRUCTION ACTIVITIES SHALL OCCUR OUTSIDE OF THE PROPOSED IMPROVEMENTS SHOWN ON THE CONSTRUCTION PLANS FOR THIS PROJECT. PRESERVE EXIST VEGETATION BEYOND DISTURBED AREA - UTILIZE AS NATURAL BUFFER STRIPS.
- 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.
- CONTRACTOR SHALL REGRADE DISTURBED SLOPED TO NEAR EXIST CONDITION AS APPROVED BY THE OWNER.
- CONTRACTOR SHALL RESEED ALL DISTURBED AREAS WITH NATIVE VEGETATION, AS REQUIRED (BY OTHERS).

BMP MEASURES:

- CONTRACTOR SHALL FOLLOW EROSION CONTROL PLAN AS DRAFTED.
- CONTRACTOR SHALL TAKE APPROPRIATE MEASURES TO PREVENT
- ACCUMULATION OF CONSTRUCTION WASTE AND LITTER ON-SITE. CONTRACTOR SHALL INSTALL BMP MEASURES AS INDICATED AND IN ANY ADDITIONAL LOCATIONS WHERE MATERIAL COULD LEAVE THE CONSTRUCTION SITE, AT CONTRACTOR'S EXPENSE.
- THE SILT FENCE AND/OR STRAW WATTLES SHALL BE INSTALLED PRIOR TO ANY CONSTRUCTION ACTIVITIES.
- CONTRACTOR SHALL HAVE AVAILABLE AT ALL TIMES ADEQUATE WATER TRUCK EQUIPMENT TO FACILITATE DUST ABATEMENT AND CONTROL.
- STOCKPILED EXCAVATION MATERIALS SHALL BE PROTECTED FROM WATER AND WIND EROSION BY COVERING AS APPROPRIATE. NON-ACTIVE STOCKPILES WHEN EXPOSED FOR MORE THAN 14 DAYS, COVER STOCKPILES
- WITH IMPERMEABLE TARPS TO PROTECT DISTURBED SOILS AND SLOPES. ALL TOP SOIL SHALL BE STRIPPED AND PLACED IN SEPARATE STOCKPILE. AFTER BANK RESTORATION TO EXIST GRADE, TOP SOIL SHALL BE PLACED AND RESEEDED, AS REQUIRED (BY OTHERS).
- CONTRACTOR SHALL HAVE ON-SITE AT ALL TIMES SPILL PREVENTION AND CONTROL MEASURES.
- ENSURE ALL EQUIPMENT IS CLEAN AND FREE OF OIL/FUEL LEAKS, DIRT, PLANTS, AND ANIMALS OR FRAGMENTS OF PLANTS, AQUATIC INVASIVE SPECIES, AND OTHER VEGETATIVE MATTER.

| | | | Pa |
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| ENEWAL CORPORATION | | DRAWING | |
| ETT BRIDGE | DESIGNED J. BURNS | | |
| | DRAWN J. CHASE | | 0000 |
| | CHECKED J. LOWY | ECIOO | 00:00 |
| | PROJECT DATE6/10/22 | | JOB N |
| | | WPCD-DB-01 | |

WATER POLLUTION CONTROL DRAWINGS

I-5), HAZARDOUS WASTE MANAGEMENT (WM-6), CONTAMINATED SOIL MANGEMENT (WM-7), CONCRETE WASTE MANAGEMENT, (WM-8) SANITARY/

KLAMATH RIVER RENEWAL CORPORATION FIRE ACCESS BOAT RAMPS AND DRY HYDRANTS

EROSION AND SEDIMENT CONTROL KEY PLAN

DESIGNED K. JENSEN DRAWN R. WOOD

CHECKED M. MCMILLEN

PROJECT DATE 06/03/22

DRAWING

WPCD-FABR-01

A 06/03/22 KRJ 100% DESIGN SUBMITTAL

DESCRIPTION

REV DATE BY

THE WATER POLLUTION CONTROL DRAWINGS WILL BE UPDATED TO REFLECT EXISTING CONDITIONS AND ANTICIPATED CONTRACTOR OPERATIONS.

PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES, PERIMETER CONTROL BMPS, TEMPORARY CONSTRUCTION ENTRANCES/EXITS, EASURES TO PRESERVE EXISTING VEGETATION, AND GRAVEL BAG BERMS SHALL BE DEPLOYED.

SAMPLING LOCATIONS ARE TO BE FIELD VERIFIED BY THE QSP AT THE TIME OF THE FIRST QUALIFYING RAIN EVENT. IF THERE IS A LOCATION WHERE ORMWATER IS DISCHARGING AND THE LOCATION HAS NOT YET BEEN IDENTIFIED AS A SAMPLING LOCATION, THE LOCATION WILL BE INCORPORATE TO THE SWPPP AND GIVEN A UNIQUE SAMPLING LOCATION NUMBER.

DIRECT STORMWATER DISCHARGES INTO THE KLAMATH RIVER ARE EXEMPT FROM SAMPLING AND ANALYSIS AS APPROVED IN THE TIME SCHEDULE RDER. DISCHARGES TO TRIBUTARIES WILL BE MONITORED FOR PH AND SEDIMENT.

XISTING VEGETATION (EC-2), HYDROSEEDING (EC-4), GEOTEXTILES & MATS (EC-7), SLOPE DRAINS (EC-11), CHECK DAMS (SE-4), FIBER ROLLS (SE-5) WIN NOTING VIEW TROW (IC-2), WATER CONSERVATION PRACTICES (NS-1), DEWATERING OPERATIONS (IS-2), ILLICIT CONNECTION (NS-6), VEHICLE AND QUIPMENT CLEANING (NS-8), VEHICLE AND EQUIPMENT FUELING (NS-9), VEHICLES AND EQUIPMENT MAINTENENCE (NS-10), MATERIAL DELIVERY AND FORAGE (WM-1), MATERIAL USE (WM-2), STOCKPILE MANAGEMENT (WM-3), SPILL PREVENTION AND CONTROL (WM-4), SOLID WASTE MANAGEMENT M-5), HAZARDOUS WASTE MANAGEMENT (WM-6), CONTAMINATED SOIL MANGEMENT (WM-7), CONCRETE WASTE MANAGEMENT, (WM-8) SANITARY,

WATER POLLUTION CONTROL DRAWINGS FIRE ACCESS BOAT RAMPS AND DRY HYDRANTS

CORPORATION

SHEET NOTES:

- 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. DEWATERING IS REQUIRED FOR INSTALLATION OF BOAT RAMP 2. SUBBASE AND RAIL SYSTEM, BUT NOT FOR PRECAST PLANK INSTALLATION.
- CONTRACTOR TO INSTALL TEMPORARY FLOATING TURBIDITY CURTAIN SURROUNDING THE PERIMETER OF IN-WATER WORK 3. ACTIVITIES. CONTRACTOR SHALL SUBMIT FLOATING TURBIDITY CURTAIN SHOP DRAWINGS AND INSTALLATION PLAN FOR OWNER APPROVAL PRIOR TO IMPLEMENTATION.

WPCD-FABR-02

IRON GATE BOAT

DESIGNED K. JENSEN DRAWN R. WOOD

CHECKED M. MCMILLEN

PROJECT DATE 06/03/22

DRAWING

GENERAL WATER POLLUTION CONTROL DRAWING NOTES:

. THE WATER POLLUTION CONTROL DRAWINGS WILL BE UPDATED TO REFLECT EXISTING CONDITIONS AND ANTICIPATED CONTRACTOR OPERATIONS.

PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES, PERIMETER CONTROL BMPS, TEMPORARY CONSTRUCTION ENTRANCES/EXITS, EASURES TO PRESERVE EXISTING VEGETATION, AND GRAVEL BAG BERMS SHALL BE DEPLOYED.

3. SAMPLING LOCATIONS ARE TO BE FIELD VERIFIED BY THE QSP AT THE TIME OF THE FIRST QUALIFYING RAIN 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 INCORPORATE TO THE SWPPP 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 ORDER. DISCHARGES TO TRIBUTARIES WILL BE MONITORED FOR PH AND SEDIMENT.

. TEMPORARY BMPS TO BE USED ON SITE THAT ARE NOT SHOWN OR MENTIONED IN THIS DRAWING INCLUDE: SCHEDULING (EC-1), PRESERVATION OF XISTING VEGETATION (EC-2), HYDROSEEDING (EC-4), GEOTEXTILES & MATS (EC-7), SLOPE DRAINS (EC-11), CHECK DAMS (SE-4), FIBER ROLLS (SE-5) WIND ROSION CONTROL (WE-1), WATER CONSERVATION PRACTICES (NS-1), DEWATERING OPERATIONS (NS-2), ILLICIT CONNECTION (NS-6), VEHICLE AND EQUIPMENT CLEANING (NS-8), VEHICLE AND EQUIPMENT FUELING (NS-9), VEHICLES AND EQUIPMENT MAINTENENCE (NS-10), MATERIAL DELIVERY AND STORAGE (WM-1), MATERIAL USE (WM-2), STOCKPILE MANAGEMENT (WM-3), SPILL PREVENTION AND CONTROL (WM-4), SOLID WASTE MANAGEMENT (WM-5), HAZARDOUS WASTE MANAGEMENT (WM-6), CONTAMINATED SOIL MANGEMENT (WM-7), CONCRETE WASTE MANAGEMENT, (WM-8) SANITARY/

WATER POLLUTION CONTROL DRAWINGS FIRE ACCESS BOAT RAMPS AND DRY HYDRANTS

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.
- NO DEWATERING IS ANTICIPATED FOR PLACEMENT OF HYDRANT PIPE AND UNDERWATER STRAINER SUPPORT, SHOULD PERMIT 2. 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.

WPCD-FABR-03

KLAMATH RIVER RENEWAL CORPORATION

EROSION AND SEDIMENT CONTROL JENNY CREEK

DESIGNED K. JENSEN

DRAWN R. WOOD

CHECKED M. MCMILLEN

PROJECT DATE 06/03/22

DRAWING

WATER POLLUTION CONTROL DRAWINGS

| | | | | | | | 5 | KLAMATH RIVER RE |
|-----|----------|-----|-----------------------|---------------------|--------------------------|------------|---------------|---------------------|
| | | | | | WARNING 0 1/2 1 | | | FIRE ACCESS BOAT RA |
| | | | | | | | KLAMATH | |
| | | | | Notrok construction | MEASURE 1" THEN | JACODS | RIVER RENEWAL | EROSION AND SE |
| Α | 06/03/22 | KRJ | 100% DESIGN SUBMITTAL | | DRAWING IS NOT TO SCALE. | ASSOCIATES | CORPORATION | FALL CREE |
| DEV | DATE | DV | DESCRIPTION | | | | | |

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.
- NO DEWATERING IS ANTICIPATED FOR PLACEMENT OF HYDRANT PIPE AND UNDERWATER STRAINER SUPPORT, SHOULD PERMIT 2. 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.

WPCD-FABR-04

ENEWAL CORPORATION MPS AND DRY HYDRANTS

EDIMENT CONTROL EK HATCHERY

DRAWN R. WOOD

DESIGNED K. JENSEN

CHECKED M. MCMILLEN

PROJECT DATE 06/03/22

DRAWING

WATER POLLUTION CONTROL DRAWINGS

GENERAL WATER POLLUTION CONTROL DRAWING NOTES:

THE WATER POLLUTION CONTROL DRAWINGS WILL BE UPDATED TO REFLECT EXISTING CONDITIONS AND ANTICIPATED CONTRACTOR PERATIONS.

NTRANCES/EXITS, MEASURES TO PRESERVE EXISTING VEGETATION, AND GRAVEL BAG BERMS SHALL BE DEPLOYED.

OCATION WILL BE INCORPORATED INTO THE SWPPP AND GIVEN A UNIQUE SAMPLING LOCATION NUMBER.

DIRECT STORMWATER DISCHARGES INTO THE KLAMATH RIVER ARE EXEMPT FROM SAMPLING AND ANALYSIS AS APPROVED IN THE ME SCHEDULE ORDER. DISCHARGES TO TRIBUTARIES WILL BE MONITORED FOR PH AND SEDIMENT.

AMS (SE-4), FIBER ROLLS (SE-5) WIND EROSION CONTROL (WE-1), WATER CONSERVATION PRACTICES (NS-1), DEWATERING OPERATION NS-2), ILLICIT CONNECTION (NS-6), VEHICLE AND EQUIPMENT CLEANING (NS-8), VEHICLE AND EQUIPMENT FUELING (NS-9), VEHICLES IND EQUIPMENT MAINTENENCE (NS-10), MATERIAL DELIVERY AND STORAGE (WM-1), MATERIAL USE (WM-2), STOCKPILE MANAGEMENT WM-3), SPILL PREVENTION AND CONTROL (WM-4), SOLID WASTE MANAGEMENT (WM-5), HAZARDOUS WASTE MANAGEMENT (WM-6), ONTAMINATED SOIL MANGEMENT (WM-7), CONCRETE WASTE MANAGEMENT, (WM-8) SANITARY/SEPTIC WASTE MANAGEMENT, (WM-ND LIOUID WASTE MANAGEMENT (WM-10)

FC10 ENTRANCE

SHEET NOTES:

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

EROSION AND SEDIMENT CONTROL

DESIGNED K. JENSEN DRAWN R. WOOD

CHECKED M. MCMILLEN

PROJECT DATE 06/03/22

DRAWING

EC400

WPCD-FABR-05

1.See Figure 2 for notes.

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

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. Sweeping shall be conducted as frequently as necessary to keep adjacent roads clean and free of sediment, visible mud or dirt track-out on adjacent public roads.
- 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.
 - The following BMPs will be implemented through the duration of the project:

15.

- 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)
- Entrance-Outlet Tire Wash (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)
- Material Use (WM-2)
- 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 sit 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 foot Take care to prevent overtopping and spillage from the washout facilities. Remove concrete and cement from ground surface if spil occurs.
- Stockpile Management
 - Cover and/or berm all stockpiles prior to rain events and if the stor will be unused for a period of 14 days or longer.
- Tracking controls
 - Street sweeping shall be conducted as frequently as necessary to k adjacent roads clean and free of sediment, visible mud or dirt track on adjacent public roads.
 - Use of Tire Wash (TC-3) may be needed (based on QSP/QSD recommendation) if tracking cannot be controlled by TC-1 and SE-
- Stabilized Construction Entrance/Exit
 - Install and maintain stabilized construction entrance/exit at all ing and egress points.

BMP Sequences by Phase

2. Final Stabilization Phase (Post- Drawdown)

- When feasible, begin implementation of Final Stabilization BMPs as identified in construction plans when the area is no longer required for construction; otherwi 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).

| | CONSTRUCTION BMP LEG | SEND | |
|---------------|------------------------|------------------------|-------------------------|
| 0 | EARTH DIKES AND DRAIN | AGE SWALES (EC-9) | EC-9 |
| | VEHICLE AND EQUIPMEN | T FUELING (NS-9) | NS-9 |
| | VEHICLE AND EQUIPMEN | T MAINTENANCE (NS-10) | NS-10 |
| print. | MATERIAL DELIVERY AND | STORAGE (WM-1) | WM-1 |
| lage | MATERIAL USE (WM-2) | | WM-2 |
| | STOCKPILE MANAGEMEN | T (WM-3) | WM-3 |
| ckpile | SPILL PREVENTION AND C | ONTROL (WM-4) | WM-4 |
| | SOLID WASTE MANAGEM | ENT (WM-5) | WM-5 |
| keep k-out | CONCRETE WASTE MANA | GEMENT (WM-8) | WM-8 |
| | SANITARY WASTE MANAG | GEMENT (WM-9) | WM-9 |
| 7. | LIQUID WASTE MANAGEN | /IENT (WM-10) | WM-10 |
| ress | WIND EROSION CONTROL | - (WE-1) | WE-1 |
| | STREET SWEEPING (SE-7) | | SE-7 |
| | STABLIZED CONSTRUCTIO | N ENTRANCE/EXIT (TC-1) | TC-1 |
| the se | STABILIZED CONSTRUCTIO | DN ROADWAY (TC-2) | TC-2 |
| d | ENTRANCE-OUTLET TIRE | WASH (TC-3) | TC-3 |
| - | PERIMETER CONTROLS (S | E-1, SE-5, SE-12) | |
| | FLOW DIRECTION | | |
| | WORK AREAS (PROPOSED | | |
| | WATER QUALITY SAMPLIN | | |
| | Klamath Ri | ect | |
| | Restoration Stagin | Notes | servoir) |
| | Caracter | | F ¹ - |
| | consultants | pres | Figure |
| | San Diego, CA | May 2022 | <u> </u> |

| FENCE SPACING FOR GENERAL APPLICATION | | |
|---------------------------------------|-----------------|--|
| INSTALL PARALLEL ALONG | | |
| CONTOURS AS FOLLOWS | | |
| 00405 | MAXIMUM SPACING | |
| GRADE | ON GRADE | |
| $GRADE \leq 10\%$ | 300' | |
| $10\% \leq \text{GRADE} < 15\%$ | 150' | |
| 15% ≤ GRADE < 20% | 100' | |
| 20% ≤ GRADE < 30% | 50' | |
| $30\% \leq GRADE$ | 25' | |

| | TABLE 2 | | |
|----|--|--|--|
| | POST SPACING | | |
| 4' | SUPPORTED SEDIMENT FENCE | | |
| 6' | UNSUPPORTED SEDIMENT FENCE WITH GEOTEXTILE ELONGATION * LESS THAN 50% | | |
| 4' | UNSUPPORTED SEDIMENT FENCE WITH GEOTEXTILE ELONGATION * MORE THAN 50% | | |

KLAMATH RIVER REM

FALL CREEK FISH HATCHERY

| NEWAL CORPORATION | |
|-------------------|--|
| | |

EROSION AND SEDIMENT CONTROL STANDARD DETAILS 2

DESIGNED J. BURNS

DRAWN J. LAHMON

CHECKED V. AUTIER

PROJECT DATE 10/28/20

DRAWING

| ENEWAL CORPORATION | DESIGNED A. LEMAN | DRAWING |
|----------------------------|--|---------|
| K FISH HATCHERY | DRAWN J. LAHMON | |
| SEDIMENT CONTROL Y PLAN | CHECKED <u>V. AUTIER</u> PROJECT DATE <u>10/28/20</u> | EC100 |
| | | |

SHEET NOTES:

- 1. SEE DRAWING EC100 FOR STANDARD EROSION AND SEDIMENT
- CONTROL NOTES. 2. UTILIZE SURFACE ROUGHENING AND/OR SILT FENCE AS REQUIRED
- TO STABILIZE SOILS DURING CONSTRUCTION OF INTAKE STRUCTURE.
 BULK STORAGE OF HAZARDOUS MATERIALS, INCLUDING PLANTS, CHEMICALS, FERTILIZERS, PESTICIDES, FUEL, OIL, GREASE, ETC. ARE NOT ALLOWED IN THE INTAKE STRUCTURE AREA. ONLY MINIMUM QUANTITIES NECESSARY FOR CURRENT WORK EFFORTS SHALL BE STORED AT THE INTAKE STRUCTURE SITE.
- 4. 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.
- 5. CONTRACTOR'S COFFERDAM STAGING SHALL NOT INTERFERE WITH THE CITY OF YREKA INTAKE ACCESS TO WATER AT ANY TIME.
- 6. PROPOSED COFFERDAM STAGING IS PROVIDED TO AID THE CONTRACTOR 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 6:

- A CONSTRUCT COFFERDAM TO ISOLATE INTAKE STRUCTURE CONSTRUCTION AREA, AND DAM A OVERFLOWS. MAINTAIN FLOW TO THE CITY OF YREKA INTAKE FOR THE DURATION OF CONSTRUCTION.
- B CONCURRENT WITH UPSTREAM COFFERDAM CONSTRUCTION, INSTALL FLOW BYPASS PIPE TO PASS POWERHOUSE FLOWS DOWNSTREAM OF CANAL DEMOLITION. UTILIZE ANY PUMPS OR SIPHONS AS REQD BY FLOW BYPASS ROUTING. AT OUTLET OF BYPASS PIPE PLACE TEMPORARY RIPRAP TO PROTECT THE CREEK FROM EROSION. PRIOR TO ANY SUPPORTING EARTHWORKS, THE CITY OF YREKA WATER LINE MUST BE FIELD LOCATED AND PROTECTED FOR THE DURATION OF CONSTRUCTION.
- C CONSTRUCT COFFERDAM DOWNSTREAM OF EXIST CANAL DEMOLITION TO PRECLUDE BACKWATER FROM THE CONFLUENCE OF THE POWERHOUSE CHANNEL AND FALL CREEK INUNDATING THE CONSTRUCTION AREA.
- PERFORM FISH SALVAGE OPERATIONS PER SPECIFICATION
 02 15 00, THEN DEWATER CONSTRUCTION AREA FOR
 INTAKE STRUCTURE, DAM A VELOCITY BARRIER, AND EXIST
 CANAL DEMOLITION. CONTRACTOR SHALL BE RESPONSIBLE
 FOR TREATING WATER BY AN APPROVED METHOD IN
 ACCORDANCE WITH THE CONTRACTOR'S CGP PRIOR TO
 DISCHARGE.
- AFTER CONSTRUCTION IS COMPLETE AND THE CONSTRUCTION AREA IS READY TO RECEIVE POWERHOUSE FLOWS AGAIN, SAFELY REMOVE DOWNSTREAM COFFERDAM (WHILE KEEPING THE BYPASS PIPE IN COMMISSION), THEN SAFELY BREACH UPSTREAM COFFERDAM AND ALLOW CONSTRUCTION AREA TO REWATER. LASTLY, REMOVE FLOW BYPASS PIPE.
- FOR FISH RELEASE POOL, CONSTRUCT COFFERDAM AS REQD BY TIME OF YEAR AND FALL CREEK FLOWS. THE MAJORITY OF CONSTRUCTION WILL BE PERFORMED IN THE OVERBANK AREA, AND MAY BE PERFORMED IN THE DRY. WHEN THE COFFERDAM IS REQD, ALLOW SUFFICIENT SPACE IN THE CREEK FOR FLOWS TO BYPASS THE CONSTRUCTION AREA. FOLLOWING CONSTRUCTION OF THE FISH RELEASE POOL AND APPURTENANT PIPING, SUPPORTS, ETC. SAFELY BREACH THE COFFERDAM AND REMOVE.

LEGEND:

FALLCREEK

| RENEWAL CORPORATION | DESIGNED A. LEMAN | DRAWING |
|---------------------|------------------------------|---------|
| EK FISH HATCHERY | DRAWN J. LAHMON | |
| O SEDIMENT CONTROL | CHECKED V. AUTIER | EC101 |
| ORTH PLAN | PROJECT DATE <u>10/28/20</u> | |

KLAMATH RIVER R

FALL CREEK

EROSION AND SOL

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. 3. PROPOSED COFFERDAM STAGING IS PROVIDED TO AID THE CONTRACTOR 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 PER SPECIFICATION 02 15 00, THEN 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.
- AFTER CONSTRUCTION IS COMPLETE AND THE CONSTRUCTION AREA IS READY TO RECEIVE CREEK FLOWS AGAIN, SAFELY REMOVE DOWNSTREAM COFFERDAM (WHILE KEEPING THE BYPASS PIPE IN COMMISSION), THEN SAFELY BREACH AND REMOVE UPSTREAM COFFERDAM AND ALLOW CONSTRUCTION AREA TO REWATER. LASTLY, REMOVE FLOW BYPASS PIPE.

LEGEND:

| | SF | | |
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| | | | |
| | CF | | |

SILT FENCE COFFERDAM

CONSTRUCTION FENCE

| ENEWAL CORPORATION | DESIGNED A. LEMAN | DRAWING |
|--------------------|-----------------------|---------|
| K FISH HATCHERY | DRAWN J. LAHMON | |
| SEDIMENT CONTROL | CHECKED V. AUTIER | EC10 |
| JTH PLAN | PROJECT DATE 10/28/20 | |

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.
- 3. CONTRACTOR'S COFFERDAM STAGING SHALL NOT INTERFERE WITH THE CITY OF YREKA INTAKE ACCESS TO WATER AT ANY TIME.
- 4. PROPOSED COFFERDAM STAGING IS PROVIDED TO AID THE CONTRACTOR 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.

\rightarrow 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.
- CONCURRENT WITH UPSTREAM COFFERDAM CONSTRUCTION, В INSTALL FLOW BYPASS PIPE TO PASS CREEK FLOWS DOWNSTREAM OF THE CONSTRUCTION AREA. UTILIZE PUMPS OR SIPHONS AS REQD 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. CONTRACTOR SHALL BE RESPONSIBLE FOR 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. LASTLY, REMOVE FLOW BYPASS PIPE.

LEGEND:

COFFERDAM

| RENEWAL CORPORATION | DESIGNED A. LEMAN | DRAWING |
|---------------------|------------------------------|---------|
| K FISH HATCHERY | DRAWN J. LAHMON | |
| SEDIMENT CONTROL | CHECKED V. AUTIER | EC210 |
| M B PLAN | PROJECT DATE <u>10/28/20</u> | |