THREE MEADOWS RESTORATION PROJECT
UPPER ONION, HIGH ONION, AND TYLER MEADOWS
60% DESIGN SUBMITTAL FOR PERMITTING

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SECTION AND DETAIL CONVENTION

- SHEET NUMBER (OR LETTER) ON REFERENCE SHEET FROM WHICH SECTION OR DETAIL IS SHOWN.
- CALL BEFORE YOU DIG *
- PROPERTY LINES ARE NOT SHOWN HEREIN.

ABBREVIATIONS

- DIA. DIAMETER
- (E) EXISTING
- FS FOREST SERVICE
- PIP PROTECT IN PLACE
- TYP TYPICAL
- N.T.S. NOT TO SCALE
- TREE SPECIES
- F FIR
- P LODGEPOLE PINE

PROJECT DESCRIPTION

THESE DRAWINGS PROVIDE 60% DESIGN LEVEL DETAILS FOR THE RESTORATION OF UPPER ONION, HIGH ONION, AND TYLER MEADOWS LOCATED IN AMADOR COUNTY, CALIFORNIA.

WORK IN UPPER ONION MEADOW CONSISTS OF CONSTRUCTING CHANNEL STABILIZATION STRUCTURES (CONSTRUCTED RIFFLES, LOG WEIRS, AND A ROUGHENED CHANNEL) AND BANK STABILIZATION AT A CREEK CROSSING. WORK IN HIGH ONION MEADOW CONSISTS OF CHANNEL STABILIZATION USING LOG WEIRS AND CONSTRUCTION OF LIVESTOCK EXCLUSION FENCING. WORK IN TYLER MEADOW CONSISTS OF CONSTRUCTING LOG WEIRS FOR CHANNEL STABILIZATION AND PLACEMENT OF BOULDERS TO EXCLUDE OFF HIGHWAY VEHICLES FROM THE MEADOW. PROJECT WORK ALSO INCLUDES LOG HARVEST FOR IN-CHANNEL STRUCTURES, TEMPORARY ACCESS ROUTE ROAD PIONEERING, AND ACCESS ROUTE DECOMMISSIONING AT THE COMPLETION OF THE PROJECT.

GENERAL NOTES

1. TOPOGRAPHIC MAPPING WAS PERFORMED BY: WATERWAYS CONSULTING, INC.
   509A SWIFT STREET
   SANTA CRUZ, CA 95060
   SURVEY DATE: NOVEMBER 7-9, 2018.

2. ELEVATION DATUM: GPS TIES TO NAVDBB USING THE LEICA GEOSYSTEMS SMARTNET GLOBAL NAVIGATION SATELLITE SYSTEM (GNSS) NETWORK.

3. BASIS OF BEARINGS: GPS TIES TO NAD83 CALIFORNIA STATE PLANE, ZONE 2 USING THE LEICA GEOSYSTEMS SMARTNET GLOBAL NAVIGATION SATELLITE SYSTEM (GNSS) NETWORK.

4. AERIAL PHOTO SOURCE: GOOGLE

5. CONTOUR INTERVAL IS ONE FOOT. ELEVATIONS AND DISTANCES SHOWN ARE IN DECIMAL FEET.

6. THIS IS NOT A BOUNDARY SURVEY. PROPERTY LINES ARE NOT SHOWN HEREIN.

7. ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE 2018 EDITION OF THE STATE OF CALIFORNIA STANDARD SPECIFICATIONS, ISSUED BY THE DEPARTMENT OF TRANSPORTATION (HEREAFTER REFERRED TO AS "STANDARD SPECIFICATIONS").

8. THESE DESIGNS ARE INCOMPLETE WITHOUT THE FINAL STAMPED TECHNICAL SPECIFICATIONS PREPARED BY WATERWAYS CONSULTING, INC. REFER TO TECHNICAL SPECIFICATIONS FOR DETAILS NOT SHOWN HEREIN.
NOTES:
1. USE ONLY THE APPROVED ACCESS ROUTES. ACCESS ROUTES SHOWN ARE DIAGRAMMATIC. CONTRACTOR SHALL STAKE OR FLAG PROPOSED ROUTES AND CONFIRM ALIGNMENT WITH THE ENGINEER OR USFS REPRESENTATIVE.

2. SUBMIT A SITE ACCESS PLAN FOR APPROVAL BY THE ENGINEER, PRIOR TO MOBILIZATION. SEE SPECIFICATIONS.

3. THE ACCESS PLAN SHOWN ON THE DRAWINGS IS SCHEMATIC. ACCESS ROUTES THROUGH THE FOREST REQUIRE TREE FELLING, STUMP REMOVAL, AND ASSOCIATED LIGHT GRADING. ACCESS WITHIN THE MEADOW SHALL MINIMIZE IMPACTS TO MEADOW VEGETATION; CONTRACTOR SHALL UTILIZE RUBBER TRACKED/TIRED LOW GROUND PRESSURE EQUIPMENT.

4. SALVAGE TREES FELLED DUE TO CONSTRUCTION AND ACCESS, AS APPROPRIATE. ADDITIONAL TREES WILL BE SALVAGED AT THE DIRECTION OF THE ENGINEER OR FOREST SERVICE REPRESENTATIVE.

5. ACCESS ROUTES REQUIRE CHANNEL CROSSINGS. CONTRACTOR SHALL MINIMIZE CHANNEL IMPACTS BY USE OF TEMPORARY BRIDGE SUCH AS CORDUROY ROAD, STEEL PLATES, OR MARSH MAT.

6. STAGE MATERIALS WITHIN THE EXISTING PRIMITIVE CAMPGROUND. CONTAIN THE DOWNSLOPE PERIMETER OF STAGING OR STOCKPILE AREAS WITH SILT FENCE.

7. STORE, MAINTAIN AND REFUEL ALL EQUIPMENT AND MATERIALS IN A DESIGNATED PORTION OF THE STAGING AREA.

8. RESTORE ACCESS ROUTES PRIOR TO FINAL DEMOBILIZATION. FOREST ACCESS ROUTES REQUIRE RIPPING, SEEDING, AND COARSE WOODY COVER (I.E., LOGS AND SLAGS). MEADOW ACCESS ROUTES SHALL BE RESTORED TO PRE-PROJECT CONDITIONS. SEE SPECIFICATIONS.

Cor pillows must be of natural biodegradable fiber and loosely woven. No synthetic mesh netting shall be used. Natural fiber erosion control blankets may be used instead of cor pillows.
Note that Exclusion Fencing at High Onion will not be constructed and was not included in the Three Meadows Restoration Project Decision Memo. Therefore, the design for fencing has been deleted from this sheet.
1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTINUOUS
   PERIODIC CLEANING OF ALL PAVING AND/OR SCHOOL
   DUST CONTROL PLANS AND SIGNS AND ROADWAY
   CONSTRUCTION ACTIVITIES.

2. PRIOR TO COMMENCING WORK, INSTALL ALL PROTECTIVE DEVICES
   AS SHOWN ON THE DRAWINGS.

3. PRIOR TO COMMENCING WORK, INSTALL ALL PROTECTIVE DEVICES
   AS SHOWN ON THE DRAWINGS.

4. EROSION CONTROL DEVICES TO BE INSTALLED AT THE DISCRETION OF THE
   ENGINEER.

5. MAINTAIN ALL EROSION CONTROL DEVICES AND MODIFY THEM AS SITE PROGRESS
   DICTATES.

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