

GENERAL PROJECT NOTES:

- EXISTING TOPOGRAPHY, STRUCTURES, AND SITE FEATURES ARE SHOWN SCREENED AND/OR LIGHT-LINED. NEW FINISH GRADE, STRUCTURES, AND SITE FEATURES ARE SHOWN UNSCREENED AND HEAVY-LINED.
- MAINTAIN, RELOCATE, OR REPLACE EXISTING SURVEY MONUMENTS, CONTROL POINTS, AND STAKES WHICH ARE DISTURBED OR DESTROYED. PERFORM THE WORK TO PRODUCE THE SAME LEVEL OF ACCURACY AS THE ORIGINAL MONUMENT(S) IN A TIMELY MANNER, AND AT THE CONTRACTOR'S EXPENSE.
- VERTICAL DATUM BASED UPON NAVD 88 DATUM, GEOID 12B.
- HORIZONTAL DATUM BASED UPON THE CALIFORNIA COORDINATE SYSTEM OF 1983, ZONE 1 NORTH AMERICAN DATUM OF 1983 (NAD83) IN FEET.
- STAGING AREA SHALL BE FOR CONTRACTOR'S EMPLOYEE PARKING, CONTRACTOR'S TRAILERS AND ON-SITE STORAGE OF MATERIALS, SEE SHEET G006. COORDINATE SPECIFIC AREA LIMITS WITH OWNER.
- ELEVATIONS GIVEN ARE TO FINISH GRADE UNLESS OTHERWISE SHOWN.
- SLOPE UNIFORMLY BETWEEN CONTOURS AND SPOT ELEVATIONS SHOWN.
- A GEOTECHNICAL EVALUATION WAS PERFORMED FOR THIS PROJECT. A 2019 GEOTECHNICAL ENGINEERING EVALUATION REPORT WAS PREPARED BY AECOM TECHNICAL SERVICES AND CDM SMITH. A GEOTECHNICAL MEMO WAS PREPARED BY CDM SMITH BASED ON THE REVIEW OF THE LARGER REPORT FOR THIS PROJECT AND IS ATTACHED TO THE PROJECT SPECIFICATIONS.
- CONTRACTOR SHALL CONTACT KRRC A MINIMUM OF 48 HOURS PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES TO REQUEST VERIFICATION OF UNDERGROUND UTILITY LOCATIONS.
- PROVIDE MINIMUM 2.5-FT COVER OVER WATER MAIN PIPES UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
- CONTRACTOR SHALL KEEP CONSTRUCTION ACTIVITIES WITHIN THE SITE BOUNDARIES FOR THIS PROJECT AS SHOWN. THIS INCLUDES, BUT IS NOT LIMITED TO, VEHICLES AND EQUIPMENT. LIMITS OF TRENCH EXCAVATION, STOCKPILED EXCAVATED MATERIALS, BACKFILL MATERIAL, AND PIPE MATERIAL.

GENERAL CONSTRUCTION NOTES:

- CONTRACTOR SHALL ATTEND A PRE-CONSTRUCTION CONFERENCE (OR AN ON-SITE MEETING) WITH THE PROJECT REPRESENTATIVE PRIOR TO THE START OF WORK.
- CONTRACTOR SHALL NOTIFY THE PROJECT REPRESENTATIVE WHEN MATERIALS ARE ON SITE OR INSPECTION OF THE WORK IS REQUIRED. NO WORK MAY BEGIN ON ANY PROJECT WITHOUT TWENTY FOUR (24) HOUR PRIOR NOTICE.
- ALL MATERIAL FURNISHED ON, OR FOR THE PROJECT MUST MEET THE MINIMUM REQUIREMENTS OF THE APPROVING AGENCIES. AT THE REQUEST OF THE APPROVING AGENCY OR THE DESIGN ENGINEER, CONTRACTOR SHALL FURNISH PROOF THAT ALL MATERIALS INSTALLED ON THIS PROJECT MEET THE SPECIFICATION REQUIREMENTS SET FORTH IN THE PROJECT SPECIFICATIONS.
- WORK SUBJECT TO APPROVAL BY ENGINEER MUST BE APPROVED PRIOR TO (A) BACKFILL TRENCHES FOR PIPE; (B) PLACING OF AGGREGATE BASE; (C) PLACING OF CONCRETE; (D) PLACING OF ASPHALT PAVING; (E) OR AS OTHERWISE SPECIFIED.
- ANY DEVIATION FROM THE APPROVED PLANS AND SPECIFICATIONS MUST HAVE DESIGN ENGINEER AND OWNER APPROVAL IN WRITING PRIOR TO CONSTRUCTION.
- ALL DISTURBED SURFACES SHALL BE RETURNED TO ORIGINAL OR BETTER CONDITIONS.

GENERAL YARD PIPING AND UTILITIES NOTES:

- EXISTING UNDERGROUND UTILITIES OBTAINED FROM AS-BUILTS AND FROM TOPOGRAPHIC FIELD SURVEY PROVIDED BY KRRC. CONTRACTOR SHALL FIELD VERIFY DEPTH AND LOCATION PRIOR TO EXCAVATION. CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES DURING CONSTRUCTION. IF EXISTING UTILITIES (GAS, ELECTRIC, POTABLE WATER, ETC.) ARE IN CONFLICT WITH THE PIPELINE REALIGNMENT OR TRENCH ALIGNMENT, CONTRACTOR SHALL CONTACT ENGINEER.
- EXISTING PIPING AND EQUIPMENT ARE SHOWN SCREENED AND/OR LIGHT-LINED. NEW PIPING AND EQUIPMENT ARE SHOWN UNSCREENED AND HEAVY-LINED.
- ALL PIPES SHALL HAVE CONSTANT UNIFORM SLOPE.
- THE HORIZONTAL SEPARATION OF POTABLE WATER MAINS AND NON-POTABLE WATER MAINS (SANITARY SEWER, STORM DRAIN, AND IRRIGATION) SHALL BE A MINIMUM OF TEN (10) FEET OUTSIDE OF PIPE TO OUTSIDE OF PIPE. WHERE IT IS NECESSARY FOR A POTABLE WATER MAIN AND NON-POTABLE WATER MAIN TO CROSS WITH LESS THAN EIGHTEEN (18) INCHES OF VERTICAL SEPARATION. THE CROSSING SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 64572, TITLE 22, CALIFORNIA ADMINISTRATION CODE.
- CONTRACTOR SHALL REPAIR ALL EXISTING SURFACES, UTILITIES, BUILDINGS AND FOUNDATIONS IMPACTED BY CONSTRUCTION.
- ALL VALVES SET FLUSH WITH GRADE SHALL HAVE BOXES AND COLLARS.

DESIGN CRITERIA			
CRITERIA	UNITS	VALUE	COMMENTS
MAXIMUM DESIGN FLOW	CFS	15	MAXIMUM DESIGN FLOW WITH THREE PUMPS RUNNING
AVERAGE SUMMER PEAK FLOW RATE	CFS	11	PEAK FLOW RATE DURING SUMMER MONTHS WITH TWO PUMPS RUNNING
AVERAGE WINTER PEAK FLOW RATE	CFS	6	PEAK FLOW RATE DURING WINTER MONTHS WITH ONE PUMP RUNNING
DESIGN HYDROSTATIC PRESSURE	PSIG	294	PROVIDED BY ORIGINAL AS-BUILT DRAWINGS
DESIGN MAXIMUM OPERATING PRESSURE	PSIG	310	CALCULATED FOR 15 CFS FLOW RATE
DESIGN MAXIMUM SURGE PRESSURE	PSIG	360	PROVIDED BY ORIGINAL AS-BUILT DRAWINGS
PIPE NOMINAL OUTER DIAMETER	IN	24-25	STEEL PIPE. FOR PIPING OPTIONS SEE G008.

REV	DATE	BY	DESCRIPTION
1	6/10/22	JAL	REVISED - ISSUED FOR CONSTRUCTION
0	5/25/22	JAL	ISSUED FOR CONSTRUCTION

WARNING

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



KLAMATH RIVER RENEWAL CORPORATION
CITY OF YREKA WATER LINE

GENERAL CIVIL NOTES

DESIGNED	J. BURNS
DRAWN	R. WOOD
CHECKED	J. LOWY
PROJECT DATE	5/25/22

DRAWING

GC001