

CONSTRUCTION PLANS FOR WATER TREATMENT PLANT IMPROVEMENTS ROCKY FORD, COLORADO MAY 18, 2009

GENERAL NOTES

1. All references to any published standards shall refer to the latest revision of said standard, unless specifically stated otherwise.
2. The Contractor shall have one (1) signed copy of the approved plans, one (1) copy of the appropriate standards and specifications, and a copy of any permits and/or agreements needed for the job, onsite at all times.
3. The Contractor is specifically cautioned that the location and/or elevation of existing utilities, as shown on these plans, is based on records of the various utility companies and, where possible, measurements taken in the field. The information is not to be relied upon or being exact or complete. The Contractor must call the local utility location center at least forty-eight (48) hours before any excavation or request to exact field locations of the utilities. Prior to construction, the Contractor shall verify pertinent locations and elevations, especially at connection points and at potential utility conflicts. It shall be the responsibility of the Contractor to relocate all existing utilities that conflict with the proposed improvements shown on these plans.
4. The Contractor shall be responsible for obtaining all necessary permits for applicable agencies. Any earth disturbing activity or construction on any and all public improvements will not be permitted until after a preconstruction meeting. The Contractor, shall schedule a preconstruction meeting with the City at least forty-eight (48) hours prior to the start of construction.
7. The Contractor is responsible for the timely notification of and shall coordinate work in all work areas with the appropriate State, County, City, or local agencies.
8. The Contractor shall coordinate and cooperate with the City, and all utility companies involved, with regard to relocations or adjustments of existing utilities during construction, and to assure that the work is accomplished in a timely fashion and with a minimum disruption of service. The Contractor shall be responsible for contacting all parties affected by any disruption of utility service.
9. The Contractor shall be responsible for all aspects of safety including but not limited to, excavation, trenching, shoring, traffic control, and security.
10. The contractor is responsible for providing all labor and materials necessary for the completion of the intended improvements, shown on these drawings, or designated to be provided, installed, or constructed, unless specifically noted otherwise.
11. If, during the construction process, conditions are encountered which could indicate a situation that is not identified in the plans or specifications, the Contractor shall contact the City Representative immediately.
12. The Contractor shall be responsible for keeping roadways free and clear of all construction debris and dirt tracked from the site.
13. Dimensions for layout and construction are not to be scaled from any drawing. If pertinent dimensions are not shown, contact the Consultant Engineer for clarification, and annotate the dimension on the as-built record drawings.
14. The contractor shall sequence installation of utilities in such a manner as to minimize potential utility conflicts. In general, storm sewer and sanitary sewer should be constructed prior to installation of water lines, dry utilities, curb and gutter, and paving.
15. All existing structures, fences, signs, and improvements destroyed, damaged, or removed due to the construction of this project shall be replaced or restored in like and kind at the Contractor's expense, unless otherwise indicated on the drawings.
16. The Contractor shall be responsible for obtaining a disposal site for all unusable material removed from the project.
17. There shall be no site construction activities on Saturdays, unless specifically approved by the City, and no site construction activities on Sundays or Holidays, unless there is prior written approval by the Public Works Director.
18. The Contractor shall be responsible for recording as-built information on a set of record drawings kept on the construction site, and available to the City at all times.

ENGINEERS CERTIFICATION COMPLIANCE WITH 7 CFR PART 1792, §1792.104

EXECUTIVE ORDER 12699 OF JANUARY 5, 1990, SEISMIC SAFETY OF FEDERAL AND FEDERALLY ASSISTED OR REGULATED NEW BUILDING CONSTRUCTION (3 CFR, 1990 Comp., p. 269), REQUIRES THAT MEASURES TO ASSURE SEISMIC SAFETY BE IMPOSED ON FEDERALLY ASSISTED NEW BUILDING CONSTRUCTION.

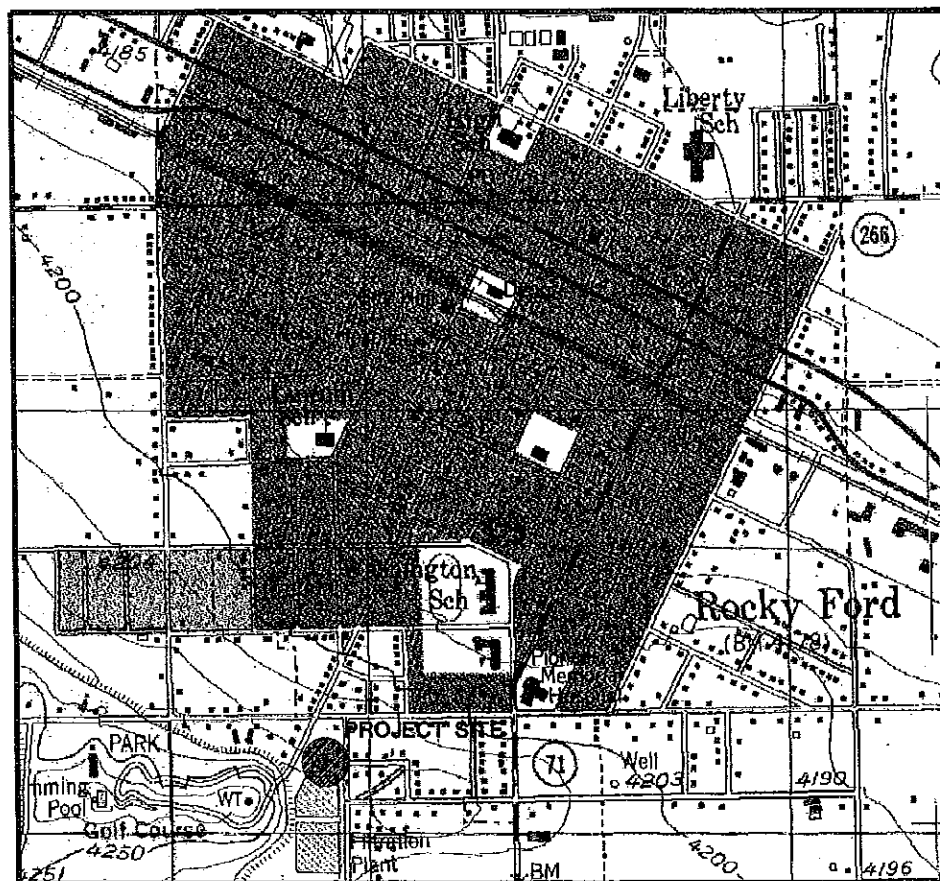
THE UNDERSIGNED HEREBY ACKNOWLEDGES THAT THE PROJECT STRUCTURES AND BUILDINGS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE FOLLOWING MODEL BUILDING CODE OR STANDARD AND COMPLIES WITH THE REQUIREMENTS OF 7 CFR PART 1792, §1792.103:

2003 INTERNATIONAL CODE COUNCIL (ICC) INTERNATIONAL BUILDING CODE

Glendon W. Barrett
 GLENDON W. BARRETT, P.E.
 STATE OF COLORADO REGISTERED
 PROFESSIONAL ENGINEER, #39284
 DATE: 5/18/09



To request marking of underground facilities
Dig/Safely.
 1.800.922.1987
 www.uncc.org
 Call before you dig
 Mark required time (3 business days)
 Respect and protect the marks
 Dig with care
 800.922.1987
 1001 W. 10th Street, Suite 100
 Fort Collins, CO 80521



LOCATION MAP
NOT TO SCALE



TST INC. OF DENVER
Consulting Engineers

OWNER
 City of Rocky Ford
 208 S. Main
 Rockyford, CO 81067
 (719) 254-7414
 City Manager: Daniel Hyatt

ENGINEER
 TST Inc. of Denver
 9222 Teddy Lane
 Lone Tree, CO 80124
 (303) 792-0557
 Project Manager: Bob Takeda P.E.
 Project Engineer: Glendon Barrett P.E.
 Project Engineer: Michelle Probasco

CONSULTANTS
 Electrical System Consultants
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 Fort Collins, CO 80521
 (970) 224-9100
 Project Manager: Jim Brockway, P.E.

Hauser Architects
 3780 E. 15th St., Suite 201
 Loveland, CO 80538
 (970) 669-8220
 Project Manager: AJ Hauser

Abrahamson Engineering Inc.
 3101 Kinley Court, Unit D
 La Porte, CO 80535
 (970) 221-2569
 Project Manager: Roger Abrahamson, P.E.

Thwartzmann Inc.
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 Fort Collins CO 80527-1101
 (970) 593-6223
 Project Manager: Thomas Hartmann, P.E.

SHEET INDEX

TOTAL SHEETS - 56 INCLUDING THIS COVER SHEET

CIVIL PLANS (19 SHEETS)

- C1 SITE PLAN - YARD PIPING PLAN
- C2 SEDIMENT REMOVAL CLARIFIER - FLOW MONITORING IMPROVEMENTS
- C3-C4 PLATE SETTLER & SLUDGE COLLECTION IMPROVEMENTS
- C5 AIR PIPING PLAN
- C6 AIR PIPING SECTIONS
- C7 FILTER LAYOUT AND SECTIONS
- C8 CLEARWELL BAFFLING PLAN, SECTIONS AND DETAILS
- C9 PIPE GALLERY IMPROVEMENTS - RAW WATER & FILTER INFLUENT PIPING
- C10 PIPE GALLERY IMPROVEMENTS - BACKWASH PIPING
- C11 PIPE GALLERY IMPROVEMENTS - EFFLUENT PIPING
- C12 UV BUILDING ADDITION - WEDECO SYSTEM - UV PIPING PLAN
- C12a UV BUILDING ADDITION - TROJAN SYSTEM - UV PIPING PLAN
- C12b UV BUILDING ADDITION - SIEMENS SYSTEM - UV PIPING PLAN
- C13 UV BUILDING ADDITION - FUTURE UV PIPING
- C14 SMALL PIPING PLAN - FIRST FLOOR PLAN
- C15 SMALL PIPING PLAN - LOWER FLOOR PLAN
- C16 MISC. DETAILS
- C17 SMALL PIPING PLAN - DRAIN PIPING PLAN

ARCHITECTURAL PLANS (3 SHEETS)

- A1 MAIN FLOOR ADDITION PLAN
- A2 EXTERIOR BUILDING ELEVATIONS
- A3 DETAILS AND SECTIONS

STRUCTURAL PLANS (11 SHEETS)

- S1.00 GENERAL NOTES, ABBREVIATIONS AND DRAWING LIST
- S1.01 GENERAL NOTES CONT., RFI SHEET, SPECIAL INSPECTION SCHEDULE, AND LOAD KEY
- S1.15 PIPE SUPPORTS
- S1.33 CONCRETE DETAILS AND NOTES
- S1.42 MASONRY DETAILS AND NOTES
- S1.50 CONNECTION DETAILS AND NOTES
- S1.51 STEEL FRAMING DETAILS AND NOTES
- S1.55 METAL STAIRS/METAL FABRICATION
- S2.00 FOUNDATION AND FIRST FLOOR PLAN AND ROOF FRAMING PLAN
- S3.00 BEARING BUILDING SECTIONS
- S3.10 NON-BEARING BUILDING SECTIONS

PROCESS PLANS (8 SHEETS)

- P1 OVERALL PROCESS SCHEMATIC
- P2 RAW WATER INFLUENT CONTROL
- P3 FILTER PROCESS DIAGRAM
- P4 FILTER PROCESS LOOP DESCRIPTIONS
- P5 FINISHED WATER PROCESS DIAGRAM AND LOOP DESCRIPTIONS
- P6 SLUDGE REMOVAL PROCESS DIAGRAM AND LOOP DESCRIPTIONS
- P7-P8 CHEMICAL FEED PROCESS DIAGRAM AND LOOP DESCRIPTIONS

ELECTRICAL PLANS (13 SHEETS)

- E1 ELECTRICAL SITE PLAN AND LEGEND
- E2 PARTIAL ELECTRICAL ONE LINE DIAGRAM
- E3 SEDIMENT REMOVAL CLARIFIER - FLOW MONITORING IMPROVEMENTS
- E4 FILTER BASINS AND BLOWER ROOM
- E5 PIPE GALLERY IMPROVEMENTS - RAW WATER & FILTER INFLUENT PIPING
- E6 PIPE GALLERY IMPROVEMENTS - BACKWASH PIPING
- E7 PIPE GALLERY IMPROVEMENTS - EFFLUENT PIPING
- E8 SMALL PIPING PLAN - FIRST FLOOR PLAN
- E9 UV BUILDING POWER PLAN
- E10 UV BUILDING LIGHTING PLAN
- E11 PANEL SCHEDULES
- E12 CONTROL SYSTEM ARCHITECTURE
- E13 ZONE II PUMP STATION CONTROL PLAN

MECHANICAL PLANS (1 SHEET)

- M1 UV BUILDING MECHANICAL PLAN