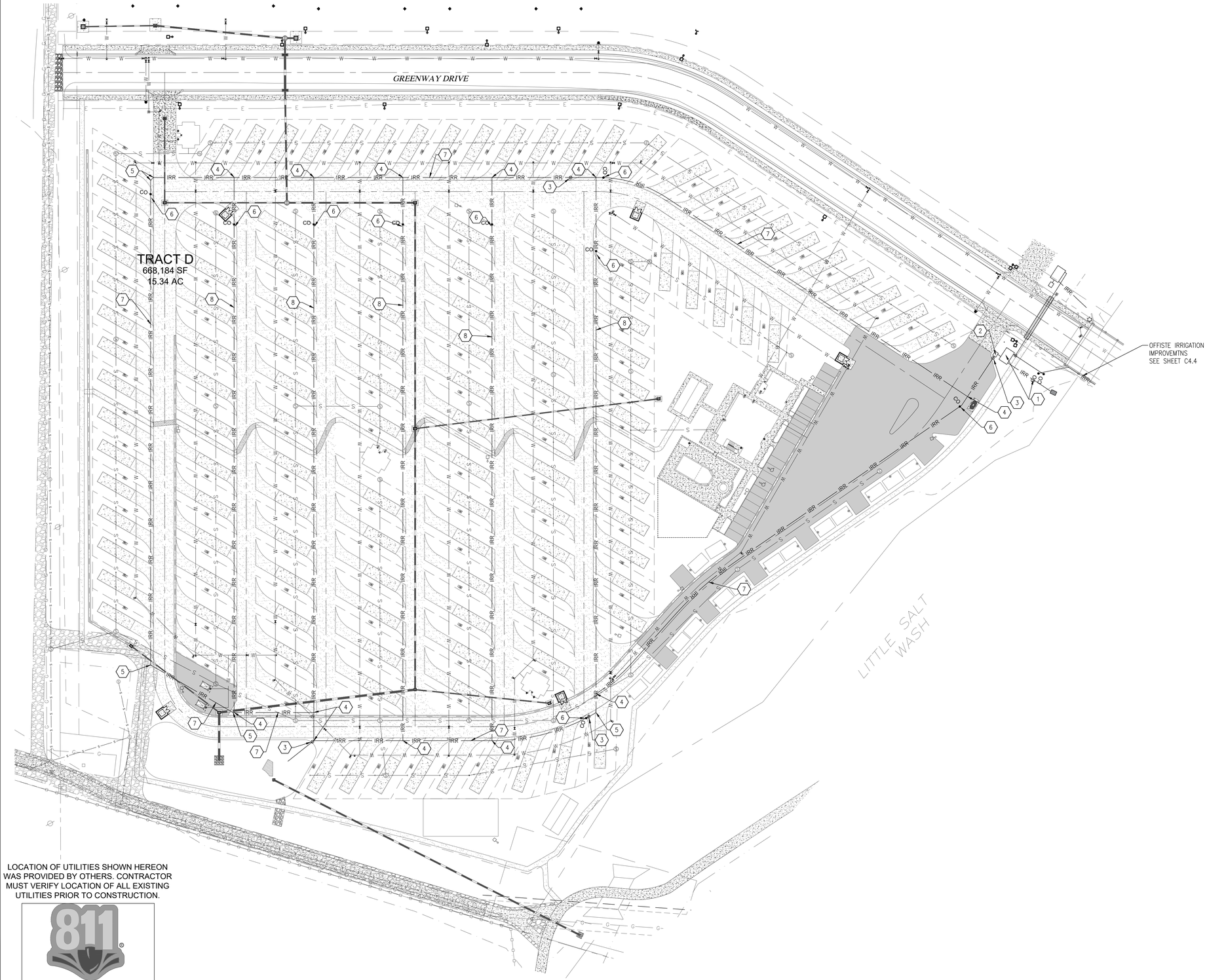

IRRIGATION SYSTEM NOTES:

IRRIGATION PIPING SHALL CONSIST OF THE FOLLOWING:

1. IRRIGATION SYSTEM SHALL BE MINIMUM CLASS 160 PVC.
2. MINIMUM OF 2 FEET OF COVER.
3. CLEANOUTS AS SHOWN ON THE DRAWINGS AND AT ALL CHANGES OF DIRECTION OF 90 DEGREES AND GREATER.
4. IRRIGATION LINES BENEATH ROADWAYS AND DRIVEWAYS SHALL BE PLACED IN A SLEEVE EXTENDING A MINIMUM OF 3 FEET BEYOND SIDEWALK.
5. A 90 DEGREE CHANGE IN DIRECTION SHALL BE CONSTRUCTED WITH 2 – 45 DEGREE BENDS.
6. BURIED VALVES SHALL BE STANDARD CAST BRASS GLOBE VALVES.
7. ALL IRRIGATION LINES, SHALL HAVE TRACER WIRE EXTENDED TO GRADE AT ALL CLEANOUTS, VALVES, & RISERS.
8. IRRIGATION SYSTEM SHALL BE PRESSURE TESTED AT 80 PSI, LEAKAGE (L) IN GALLONS PER HOUR SHALL NOT EXCEED THE FOLLOWING:

   L = (S X D X (P^0.5)) / 133,200

   S = LENGTH (FT), D = DIAMETER (IN.), P = TEST PRESSURE (PSI)
9. ALL EXPOSED PVC PIPE WILL BE PAINTED WITH A NEUTRAL COLOR OF LATEX PAINT TO PREVENT UV DAMAGE.

N

SCALE IN FEET

50 25 0 50 100

1" = 50'

CONSTRUCTION NOTES:

1. IRRIGATION VAULT SEE SHEET C4.5 FOR DETAILS
2. PUMP STRUCTURE SEE SHEET C4.5 FOR DETAILS
3. INSTALL 4" GATE VALVE
4. INSTALL 4"x4"x4" TEE W/ THRUST BLOCK
5. INSTALL 4"x45° BEND W/ THRUST BLOCK
6. INSTALL IRRIGATION CLEANOUT SEE SHEET C4.4 FOR DETAILS
7. INSTALL 4" CLASS 160 PVC
8. INSTALL 2" CLASS 160 PVC

LOCATION OF UTILITIES SHOWN HEREON WAS PROVIDED BY OTHERS. CONTRACTOR MUST VERIFY LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.

811

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ACCEPTED FOR CONSTRUCTION FOR ONE YEAR FROM THIS DATE

ACCEPTANCE OF THESE PLANS DOES NOT RELIEVE THE DEVELOPER, CONTRACTOR, OR THE ENGINEER FROM CONFORMANCE WITH THE CITY OF FRUITA DESIGN CRITERIA AND CONSTRUCTION SPECIFICATIONS MANUAL.

CITY OF FRUITA ENGINEERING DIVISION REPRESENTATIVE DATE

FOR REVIEW - NOT FOR CONSTRUCTION

VORTEX ENGINEERING, INC.
• CONSTRUCTION MANAGERS & SITE PLANNERS
• PROJECT MANAGERS
• CIVIL & CONSULTING ENGINEERS
2394 Patterson Road, Suite 201
Grand Junction, CO 81505
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James C. Atkinson
PROFESSIONAL ENGINEER
COLORADO LICENSE No. 18828

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REV.	DATE	COMMENT	BY
2	08/14/18	PER CITY COMMENTS (ROUND 4)	STM
1	02/23/18	PER CITY COMMENTS	ABL

Utility Plan
Irrigation Plan

Fruita RV Resort

1235 Greenway Drive
Fruita, Colorado

PROJECT NO: **F16-051**
DATE: 02/28/2018
SCALE: **1" = 50'**
CAD ID: fruitarv-util.dwg

~SHEET~

C4.3