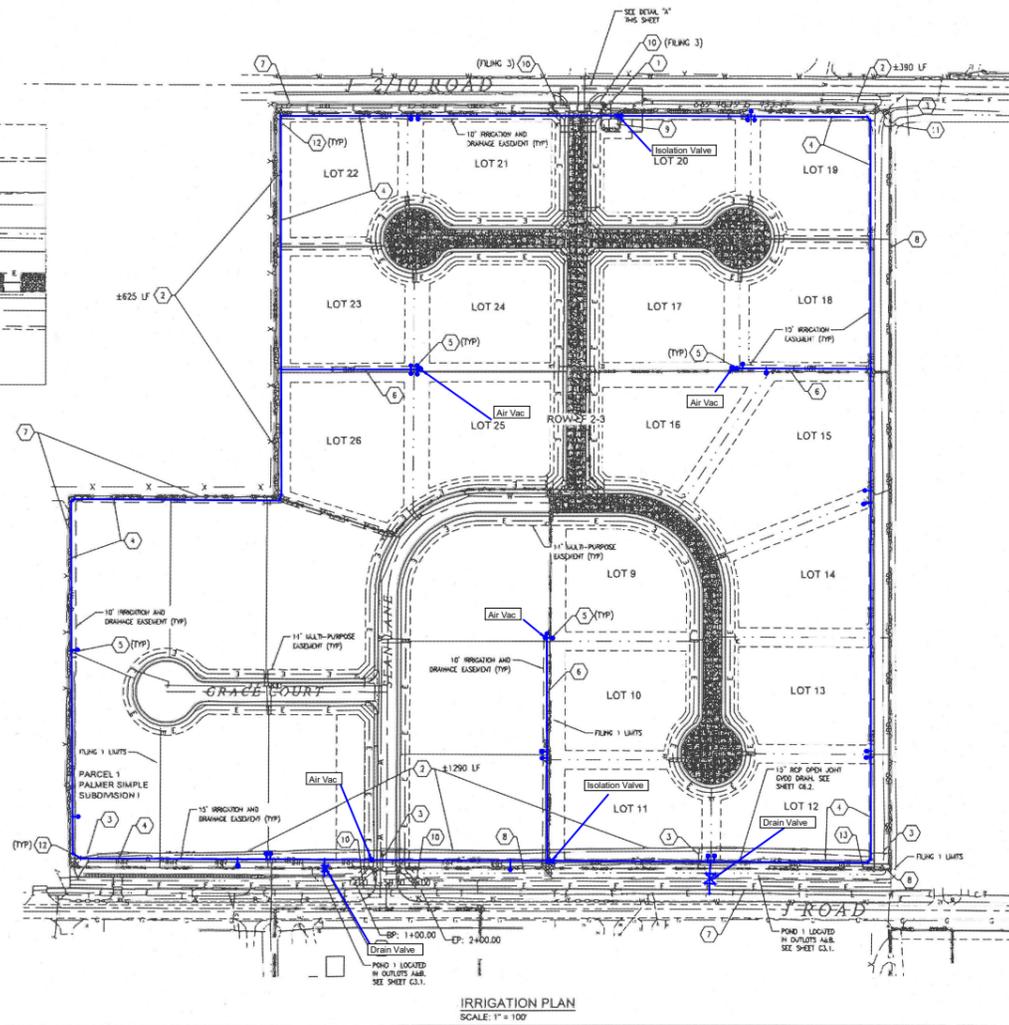
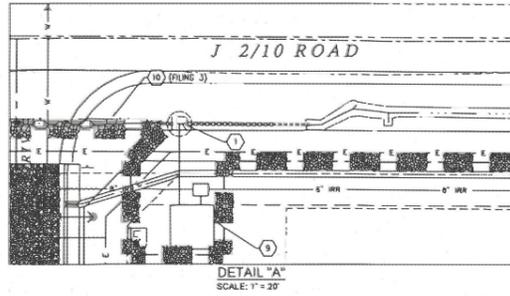
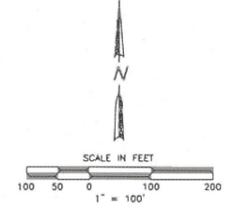


IRRIGATION SYSTEM NOTES:

- IRRIGATION PIPING SHALL CONSIST OF THE FOLLOWING:
 - IRRIGATION SYSTEM SHALL BE MINIMAL CLASS 180 PVC.
 - MINIMUM OF 3 FEET OF COVER.
 - IRRIGATION LINES BENEATH ROADWAYS AND DRIVEWAYS SHALL BE PLACED IN A SLEEVE EXTENDING A MINIMUM OF 3 FEET BEYOND PAVING.
 - A 90 DEGREE CHANGE IN DIRECTION SHALL BE CONSTRUCTED WITH 2 - 45 DEGREE BENDS.
 - BURIED VALVES SHALL BE STANDARD EPOXY COATED CAST-IRON GLOBE VALVES WITH VALVE BOX.
 - IRRIGATION SYSTEM SHALL BE PRESSURE TESTED AT 80 PSI. LEAKAGE (L) IN GALLONS PER HOUR SHALL NOT EXCEED THE FOLLOWING:
 $L = (S \times D \times P^{0.5}) / 133,200$
 S = LENGTH IN FEET, D = DIAMETER IN INCHES, P TEST PRESSURE IN PSI
 - ALL IRRIGATION LINES SHALL HAVE TRACER WIRE EXTENDED TO GRADE AT ALL CLEANOUTS, VALVES, & RISERS.
 - INSTALL THRUST BLOCKS ON TEES, BENDS, FITTINGS, AND DEAD-ENDS ON ALL DISTRIBUTION PIPING. (PRESSURIZED AND GRAVITY FEED LINES)
 - INSTALL AIR VAC AT IRRIGATION LINE HIGH POINTS.
- ALL IRRIGATION PIPE TO HAVE CAUTION TAPE AND TRACER WIRE. CAUTION TAPE TO BE 12" ± 4" ABOVE BURIED PIPE.
- INSTALL THRUST BLOCKS AT AREAS WHERE WATER CHANGES DIRECTION ON ALL FEED LINES.
- EACH LOT SERVICE CONNECTION TO HAVE INSTALLED A 15 G.P.M. FLOW CONTROL VALVE.
- PAINT EXPOSED PVC WITH BLUE LATEX PAINT.

CONSTRUCTION NOTES:

- CONNECT 8" LINE TO EXISTING IRRIGATION STRUCTURE
- REMOVE EXISTING DITCH
- REMOVE EXISTING CULVERT
- INSTALL 6" PVC IRRIGATION LINE
- INSTALL IRRIGATION SERVICE
- INSTALL 4" PVC IRRIGATION LINE
- RETAIN AND PROTECT EXISTING DITCH
- EXISTING DITCH TO BE PIPED
- IRRIGATION WATER STORAGE AND PUMP HOUSE TRACT SEE SHEET C7.1
- INSTALL SIPHON UNDER PROPOSED ROAD SEE SHEET C7.1
- IRRIGATION STRUCTURE - TRANSITION FROM DITCH TO PIPE
- INSTALL IRRIGATION CLEANOUT
- INSTALL IRRIGATION DRAIN VALVE



FILING 1 IRRIGATION PLAN

- IRRIGATION FOR FILING 1 WILL INCLUDE THE FOLLOWING:
- INSTALL IRRIGATION VAULT AND PUMP IN OUTLOT C.
 - INSTALL DISTRIBUTION LINE TO SERVICE FILING 1 AS FOLLOWS:
 - FROM OUTLOT C TO THE WEST ALONG THE NORTH SIDE OF LOTS 21&22
 - TO THE SOUTH ALONG THE WEST SIDE OF LOTS 22,23&26, INCLUDING THE 4" LINE TO THE COMMON CORNER OF LOTS 23,24,25&26
 - TO THE WEST ALONG THE NORTH SIDE OF LOTS 4-6
 - TO THE SOUTH ALONG THE WEST SIDE OF LOT 6 AND PARCEL 1, PALMER SIMPLE SUBDIVISION 1
 - TO THE EAST ALONG THE SOUTH SIDE OF PARCEL 1, PALMER SIMPLE SUBDIVISION 1, LOTS 7-8, ACROSS SEAN LANE, AND LOT 1
 - THE 4" LINE TO THE NORTH ALONG THE EAST SIDE OF LOTS 1-3
 - IRRIGATION SERVICES FOR ALL THE LOTS IN FILING 1 (1-8), PARCEL 1, PALMER SIMPLE SUBDIVISION 1, LOTS 23-26, LOTS 9-11.
 - INSTALL A 24" SIPHON UNDER SEAN LANE FOR THE EXISTING DITCH ON THE NORTH SIDE OF J ROAD.
 - IRRIGATION DETAILS ARE SHOWN ON SHEET C7.1

861 Road Avenue
Grand Junction, CO 81501
Phone: (970) 215-9061

STEPHEN E. SWINDELL
PROFESSIONAL ENGINEER
00000000-0000-0000-0000-000000000000

CONSTRUCTION COMPLETION ACCEPTANCE

RESERVED. THE DESIGNER'S LIABILITY IS LIMITED TO THE DESIGN AND CONSTRUCTION OF THE PROJECT. ANY OTHER LIABILITY IS THE RESPONSIBILITY OF THE CLIENT. THE DESIGNER'S LIABILITY IS LIMITED TO THE DESIGN AND CONSTRUCTION OF THE PROJECT. ANY OTHER LIABILITY IS THE RESPONSIBILITY OF THE CLIENT.

NO.	DATE	DESCRIPTION
1	10/20/21	ISSUED FOR PERMIT REVIEW
2	10/20/21	REVISED PER CITY COMMENTS ROAD 1
3	10/20/21	REVISED PER CITY COMMENTS ROAD 2
4	10/20/21	REVISED PER CITY COMMENTS ROAD 3
5	10/20/21	REVISED PER CITY COMMENTS ROAD 4
6	10/20/21	REVISED PER CITY COMMENTS ROAD 5
7	10/20/21	REVISED PER CITY COMMENTS ROAD 6
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99	10/20/21	REVISED PER CITY COMMENTS ROAD 98
100	10/20/21	REVISED PER CITY COMMENTS ROAD 99

PROJECT NO: F17-034
DATE: 2/26/21
SCALE: CHANGE PER SHEET
ISSUED PER CITY COMMENTS ROAD 1-10

CONSTRUCTION COMPLETION ACCEPTANCE

CONSTRUCTION COMPLETION ACCEPTANCE DOES NOT RELIEVE THE PROFESSIONAL ENGINEER OF RECORD FROM ENGINEERING CONFORMANCE AND AS-BUILT DESIGN CONFORMANCE WITH THE COLORADO REBUILT STATUTES FOR ENGINEERS AND SURVEYORS. CONSTRUCTION COMPLETION ACCEPTANCE OF THESE PLANS DOES NOT RELIEVE THE ENGINEER OF RECORD FROM CONSTRUCTION CONFORMANCE AND AS-BUILT DESIGN CONFORMANCE WITH ALL HIGH COUNTY PRESCRIPTIONS, ORDINANCES OR RULES.

Stephen E. Swindell 10 FEB 2021
DATE

—SHEET—
C7.0

Irrigation - North Plan
Palmer Subdivision Filing 2&3
Final - Phases 2 & 3
1924 J Road
Fruita, Colorado, 81521