



- ZONE 1: 321.9 ACRES
- ZONE 2: 335.4 ACRES
- ZONE 3: 359.2 ACRES

****NOTE:**
EACH ZONE CONSISTS OF 3 SETS
EACH ZONE IS TO IRRIGATE 1 SET AT
THE SAME TIME AS THE OTHER ZONES

**SYSTEM DESIGN
BLOCKS (13 & 14)**

CROP: PECAN (33R x 33T)
SPACING: 30' x 30' (1225 TREES)
EMITTER: TITON X 2.0PH @ 60" SPACING
TUBING ID: .690" (DUAL-LINE)
APPLICATION RATE: .048"/HR
NUMBER OF SETS: 1
SET DURATION: 6.25 HRS TO APPLY .30"
FILTRATION: SAND MEDIA (20 MESH)
FLEX RISERS: 1" IPS (2 PER ROW)
PRESSURE REGULATION: 4" AUTO RR VALVES
IN & OUT OF RR VALVES: 6" CL 125 PVC PIPE
DOWNSTREAM PRESSURE OF RR VALVES: 35 PSI
SYSTEM WATER REQUIRED: 1,907 ACPH
SYSTEM PRESSURE REQUIRED: 56 PSI
DISTRIBUTION UNIFORMITY: 88%

**SYSTEM DESIGN
BLOCKS (7 & 7.1)**

CROP: PECAN (33R x 33T)
ACRES: 55.4 (2,004 TREES)
EMITTER: TITON X 2.0PH @ 60" SPACING
TUBING ID: .690" (DUAL-LINE)
APPLICATION RATE: .048"/HR
NUMBER OF SETS: 1
SET DURATION: 6.25 HRS TO APPLY .30"
FILTRATION: SAND MEDIA (20 MESH)
FLEX RISERS: 1" IPS (2 PER ROW)
PRESSURE REGULATION: 32.5" AUTO RR VALVES
IN & OUT OF RR VALVES: 3" SCH 40 & 6" CL 125 PVC PIPE
DOWNSTREAM PRESSURE OF RR VALVES: 35 PSI
SYSTEM WATER REQUIRED: 63 PSI
DISTRIBUTION UNIFORMITY: 88%

SCALE: 1" = 500'
DATE: 4/24/2017
DESIGN: #3705
DRAWN BY: AR
TEL: (559) 866-0200
2405 CHANDLER ST.
P.O. Box 190
SELMA, CA 93662

PREPARED FOR:

PECAN GROVE FARMS - BROWNWOOD RANCH
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