



10 LINES @ 130' = 1,300' 10 LINES @ 130' = 1,300' SYSTEM TOTAL 13,000 **ZONE 9 TOTAL 1,300' ZONE 8 TOTAL 1,300'** 10 LINES @ 130' = 1,300' **ZONE 7 TOTAL 1,300'** 10 LINES @ 130' = 1,300' **ZONE 6 TOTAL 1,300'** 10 LINES @ 130' = 1,300' **ZONE 5 TOTAL 1,300'** 10 LINES @ 130' = 1,300' **ZONE 4 TOTAL 1,300'** 10 LINES @ 130' = 1,300' 10 LINES @ 130' = 1,300 10 LINES @ 130' = 1,300' **ZONE 10 TOTAL 1,300' ZONE 3 TOTAL 1,300'** 10 LINES @ 130' = 1,300' **ZONE 1 TOTAL 1,300'** ZONE ZONE 2 TOTAL 1,300' 7 6 5 4 7. 5.4 **DRIP IRRIGATION CALCULATIONS ZONE 5: DRIP IRRIGATION CALCULATIONS ZONE 4:** <u>0</u> **DRIP IRRIGATION CALCULATIONS ZONE 3:** TIMER OFF BETWEEN DOSES 3 HRS AND 45 MINUTES TIMER OFF BETWEEN DOSES 3 HRS AND 45 MINUTES TIMER OFF BETWEEN DOSES 3 HRS AND 45 MINUTES TIMER OFF BETWEEN DOSES 3 HRS AND 45 MINUTES ZONE 5 CAN ACCEPT (1300 / 13000) X 5000 = 500 GPD NUMBER OF DOSES ZONE 5 PER DAY = 6 FLUSHING REQUIREMENT = 1.11 GPM RUN TIME ZONE 1 PER DOSE = 500/6/5.7 = 14.6 MINUTESLENGTH OF ZONE 5 = 1300 FEET NUMBER OF EMITTERS ZONE 4 = 650 RUN TIME ZONE 2 PER DOSE = 500 / 6 / 5.7 = 14.6 MINUTESFLOW RATE PER ZONE = 650*0.53 / 60 = 5.7 GPM FLOW RATE PER EMITTER = 0.53 GPH RUN TIME ZONE 5 PER DOSE = 500 / 6 / 5.7 = 14.6 MINUTES FLUSHING REQUIREMENT = 1.11 GPM FLOW RATE PER EMITTER = 0.53 GPH NUMBER OF EMITTERS ZONE 5 = 650 MINUTES PER DOSE USE 15 RUN TIME ZONE 4 PER DOSE = 500 / 6 / 5.7 = 14.6 MINUTES ZONE 4 CAN ACCEPT (1300 / 13000) X 5000 = 500 GPD FLOW RATE PER ZONE = 650*0.53 / 60 = 5.7 GPM FLOW RATE PER EMITTER = 0.53 GPH LENGTH OF ZONE 4 = 1300 FEET FLUSHING REQUIREMENT = 1.11 GPM NUMBER OF EMITTERS ZONE 3 = 650 MINUTES PER DOSE USE 15 FLUSHING REQUIREMENT = 1.11 GPM NUMBER OF EMITTERS ZONE 1 = 650 LENGTH OF ZONE 1 = 1300 FEET FLOW RATE PER ZONE = 650*0.53 / 60 = 5.7 GPM NUMBER OF DOSES ZONE 4 PER DAY = 6TOTAL FLOW = 6.85 GPM MINUTES PER DOSE USE 15 RUN TIME ZONE 3 PER DOSE = 500 / 6 / 5.7 = 14.6 MINUTES FLOW RATE PER ZONE = 650*0.53 / 60 = 5.7 GPM FLOW RATE PER EMITTER = 0.53 GPH LENGTH OF ZONE 3 = 1300 FEFLOW RATE PER ZONE = 650*0.53 / 60 = 5.7 GPM LENGTH OF ZONE 2 = 1300 FEET NUMBER OF DOSES ZONE 1 PER DAY = 6ZONE 1 CAN ACCEPT (1300 / 13000) X 5000 = 500 GPD TOTAL FLOW = 6.85 GPMNUMBER OF DOSES ZONE 3 PER DAY = 6 NUMBER OF DOSES ZONE 2 PER DAY = FLUSHING REQUIREMENT = 1.11 GPM -LOW RATE PER EMITTER = 0.53 GPH OTAL FLOW = 6.85 GPM NUMBER OF EMITTERS ZONE 2 = 650OTAL FLOW = 6.85 GPM ONE 2 CAN ACCEPT (1300 / 13000) X 5000 = 500 GPD OTAL FLOW = 6.85 GPM**INUTES PER DOSE USI IRRIGATION CALCULATIONS ZONE 2:** 7 6 5 4 7.6.5.4 **DRIP IRRIGATION CALCULATIONS ZONE 9: DRIP IRRIGATION CALCULATIONS ZONE 8:** 7 6 5 4 **DRIP IRRIGATION CALCULATIONS ZONE 1** 10. TIMER OFF BETWEEN DOSES 3 HRS AND 45 MINUTES ZONE 10 CAN ACCEPT (1300 / 13000) X 5000 = 500 GPD TIMER OFF BETWEEN DOSES 3 HRS AND 45 MINUTES ZONE 9 CAN ACCEPT (1300 / 12982) X 5000 = 501 GPD NUMBER OF DOSES ZONE 9 PER DAY = 6 TIMER OFF BETWEEN DOSES 3 HRS AND 45 MINUTES ZONE 8 CAN ACCEPT (1300 / 13000) X 5000 = 500 GPD TIMER OFF BETWEEN DOSES 3 HRS AND 45 MINUTES ZONE 7 CAN ACCEPT (1300 / 13000) X 5000 = 500 GPD ZONE 6 CAN ACCEPT (1300 / 13000) X 5000 = 500 GPD NUMBER OF DOSES ZONE 6 PER DAY = 6 RUN TIME ZONE 6 PER DOSE = 500 / 6 / 5.7 = 14.6 MINUTES RUN TIME ZONE 10 PER DOSE = 500 / 6 / 5.7 = 14.6 MINUTES FLOW RATE PER ZONE = 650*0.53 / 60 = 5.7 GPM MINUTES PER DOSE USE 15 RUN TIME ZONE 8 PER DOSE = 500 / 6 NUMBER OF EMITTERS ZONE 8 = 650 FLUSHING REQUIREMENT = 1.11 GPM FLOW RATE PER EMITTER = 0.53 GPH NUMBER OF DOSES ZONE 10 PER DAY = 6 TOTAL FLOW = 6.85 GPM FLUSHING REQUIREMENT = 1.11 GPM FLOW RATE PER ZONE = 650*0.53 / 60 = 5.7 GPM FLOW RATE PER EMITTER = 0.53 GPH NUMBER OF EMITTERS ZONE 10 = 650 LENGTH OF ZONE 10 = 1300 FEET RUN TIME ZONE 9 PER DOSE = 501 / 6 TOTAL FLOW = 6.85 GPM FLUSHING REQUIREMENT = 1.11 GPM FLOW RATE PER EMITTER = 0.53 GPH NUMBER OF EMITTERS ZONE 9 = 650 LENGTH OF ZONE 9 = 1300 FEET NUMBER OF DOSES ZONE 8 PER DAY : FLOW RATE PER ZONE = 650*0.53 / 60 = 5.7 GPM LENGTH OF ZONE 8 = 1300 FEET MINUTES PER DOSE USE 15 RUN TIME ZONE 7 PER DOSE = 500 / 6 NUMBER OF DOSES ZONE 7 PER DAY = 6 FLOW RATE PER ZONE = 650*0.53 / 60 = 5.7 GPM FLOW RATE PER EMITTER = 0.53 GPH NUMBER OF EMITTERS ZONE 7 = 650 LENGTH OF ZONE 7 = 1300 FEET FLUSHING REQUIREMENT = 1.11 GPM FLOW RATE PER ZONE = 650*0.53 / 60 = 5.7 GPM NUMBER OF EMITTERS ZONE 6 = 650 LENGTH OF ZONE 6 = 1300 FEET MINUTES PER DOSE USE 15 TOTAL FLOW = 6.85 GPM FLUSHING REQUIREMENT = 1.11 GPM FLOW RATE PER EMITTER = 0.53 GPH TOTAL FLOW = 6.85 GPM MINUTES PER DOSE USE 15 TOTAL FLOW = 6.85 GPM**IRRIGATION CALCULATIONS ZONE 7:**

McDADE HIGH SCHOOL **156 MARLIN STREET** McDADE, TEXAS 78650 **BASTROP COUNTY**

/5.7 = 14.6 MINUTES

/5.7 = 14.6 MINUTES

ON SITE SEPTIC



DRIP IRRIGATION CALCULATIONS

ZONE 1:

DRIP IRRIGATION CALCULATIONS ZONE

12,

W-C1.2

DRAWN: DWS

DESIGN: SCALE: NTS SCALE:

JGI

TIMER OFF BETWEEN DOSES 3 HRS AND 45 MINUTES

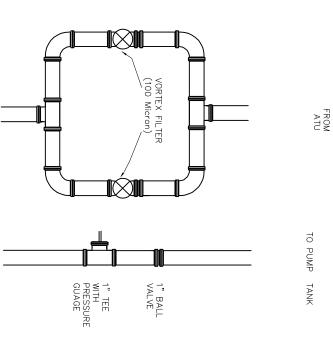
TIMER OFF BETWEEN DOSES 3 HRS AND 45 MINUTES

MINUTES PER DOSE USE 15

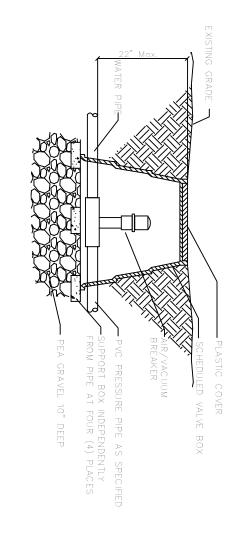
9

/5.7 = 14.6 MINUTES

MINUTES PER DOSE USE 15







FROM RETURN HEADWORKS

FIELD FLUSHING IS CRITICAL FOR THE DRIP FIELD OPERATION. THE RETURN FLOW FROM AN INTERMITTENT FLUSHING EVEN IS TO BE RETURNED TO THE PRETREMENT TANKS.

LEVEL ENTIRE DRIP AREA WITH 4" SANDY LOAM TOPSOIL

AIR/VACUUM BREAKER NTS

USE GEOFLOW WASTEFLOW MODEL WFPC16-2-24 WITH PRESSURE REDUCING EMITTERS SPACED EVERY 2 FEET OR EQUAL

FILTER SHALL BE GEOFLOW DRIPFILTER ECO

DRIP LINES TO BE BURIED 6"

BACK FLUSHING WILL BE PERFORMED MONTHLY WHEN SYSTEM IS SERVICED.

McDADE HIGH SCHOOL 156 MARLIN STREET McDADE, TEXAS 78650 BASTROP COUNTY

ON SITE SEPTIC

CONSULTING ENGINEERS

TEXAS REGISTERED ENGINEERING FIRM F-9756
2500 Tanglewilde, Suite 120
Houston, Texas 77083
713.789.1900

W-C1.3

DESIGN:

SCALE:

NTS

DRAWN: DWS