

HARCO FITTING TO PIPE JOINT RESTRAINT SYSTEM

TEE RESTRAINT

ALIGNING AND FITTING. 2. INSERT THE BEVELED SPIGOT PIPE INTO THE FITTING. 3. ASSEMBLE GRIP RING ON PIPE AND TIGHTEN CLAMP BOLTS PER

MFG DIRECTIONS. 4. SLIDE I-BOLTS THROUGHT SLOTS IN GRIP RINGS AND AROUND FITTING LUGS, TIGHTEN TO MFG SPECS.

(1) TYPICAL DUCTILE IRON

GRIP RING AT PIPE.

2) TYPICAL DUCTILE IRON

HAVE DEEP BELL PUSH-ON JOINTS WITH

(3) TYPICAL IPS PVC PIPE,

DIRECTIONS.

(5) REDUCED PIPE AS

PREPARTION DIRECTIONS FOR

CUTTING THE PIPE, CLEANING,

MARKING, LUBRICATING, AND

REQUIRED.

GASKETS.

FITTING WITH RESTRAINT

PREPARED FOR FITTING AS

INSERTING INOT THE BELL

REDUCER TO MAIN FITTING.

PER NOTES AND MFG

(4) SPIGOT END OF REDUCER

OF JOINT. "LOCK"

1. REVIEW THE MANUFACTURER PIPE

LUGS. FITTINGS SHALL

1. HARCO FITTINGS JOINT RESTRAINTS, PH (434) 845-7094. REVIEW THE MANUFACTURER PIPÉ PREPARTION DIRECTIONS FOR CUTTING THE PIPE, CLEANING, MARKING, LUBRICATING, AND ALIGNING AND FITTING.

(1) TYPICAL DUCTILE IRON GRIP RING AT

(2) TYPICAL DUCTILE IRON FITTING WITH

DEEP BELL PUSH-ON JOINTS WITH

(3) TYPICAL IPS PVC PIPE, PREPARED FOR

FITTING AS PER NOTES AND MFG

PIPE, WITH RESTRAINING RINGS.

(6) TYPICAL RESTRAINT BOLT ATTACHED TO

PUSH-ON TYPE FOR USE WITH IPS PVC

(4) DUCTILE IRON ISOLATION VALVE,

EACH GRIP RING.

GASKETS.

RESTRAINT LUGS. FITTINGS SHALL HAVE

VALVE TO FITTING RESTRAING 3" - 8", PT# 82XX20 SERIES VALVE TO FITTING RESTRAINT

HARCO VALVE TO PIPE/FITTING RESTRAINT SYSTEM

VALVE TO PIPE RESTRAINT,

2", 2-1/2" PT# 82XX25 SERIES

VALVE TO FITTING TO PIPE RESTRAINT,

2", 2-1/2", PT# 82XX21 SERIES

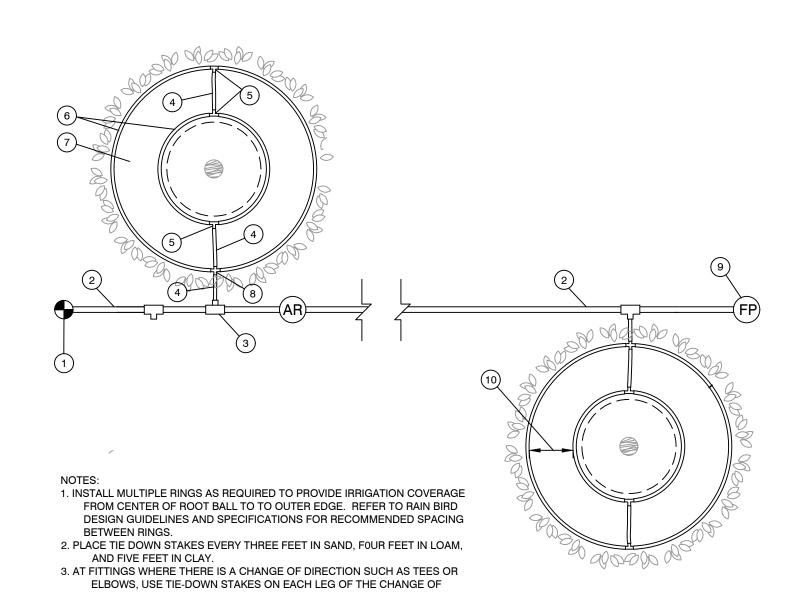
3" - 8", PT# 82XX22 SERIES

3" - 8", PT# 82XX26 SERIES

STYLE B

VALVE TO PIPE RESTRAINT

VALVE TO FITTING TO PIPE RESTRAINT



(1) RAIN BIRD CONTROL ZONE KIT (SIZED TO ACCOMIDATE LATERAL FLOW DEMAND)

2 PVC DRIP MANIFOLD PIPE

3 PVC SCH 40 TEE OR EL (TYPICAL)

(4) ½" POLYETHYLENE TUBING: RAIN BIRD XF SERIES BLANK TUBING (TYPICAL)

(5) BARB X BARB INSERT TEE: RAIN BIRD XFD-TEE (TYPICAL)

6 ON-SURFACE DRIPLINE: RAIN BIRD XF SERIES DRIPLINE

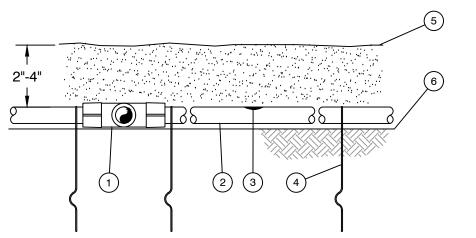
7 ROOT BALL (TYPICAL)

(8) BARB X BARB INSERT CROSS: RAIN BIRD XFD-CROSS (TYPICAL)

(9) DRIPLINE FLUSH POINT (SEE RAIN BIRD DETAIL: "XFD DRIPLINE FLUSH POINT WITH BALL

(10) DISTANCE VARIES. PLACE AT EDGE OF ROOT

TIE DOWN STAKE: RAIN BIRD TDS-050 WITH BEND (QUANTITY AS REQUIRED, SEE NOTES 2-3 BELOW)



1) 17MM INSERT FITTINGS

(2) ON-SURFACE DRIPLINE: RAIN BIRD XFCV SERIES DRIPLINE BELOW GRAVEL MULCH.

(3) INLINE DRIP EMITTER OUTLET

4 TIE DOWN STAKE: RAIN BIRD TDS-050 WITH BEND (TYPICAL)

5 GRAVEL MULCH 6 FINISH GRADE

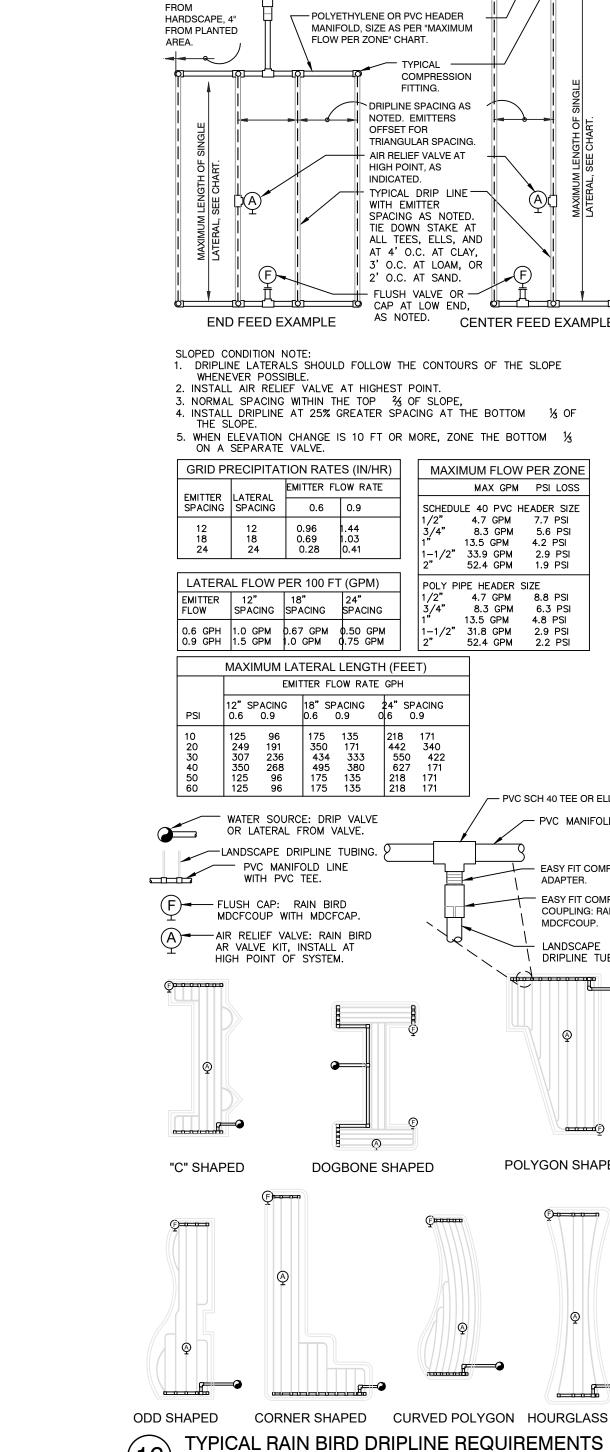
1. PLACE TIE DOWN STAKES EVERY THREE FEET IN SAND, FOUR FEET IN LOAM, AND FIVE FEET IN CLAY. 2. AT FITTINGS WHERE THERE IS A CHANGE OF DIRECTION SUCH AS TEES OR ELBOWS,

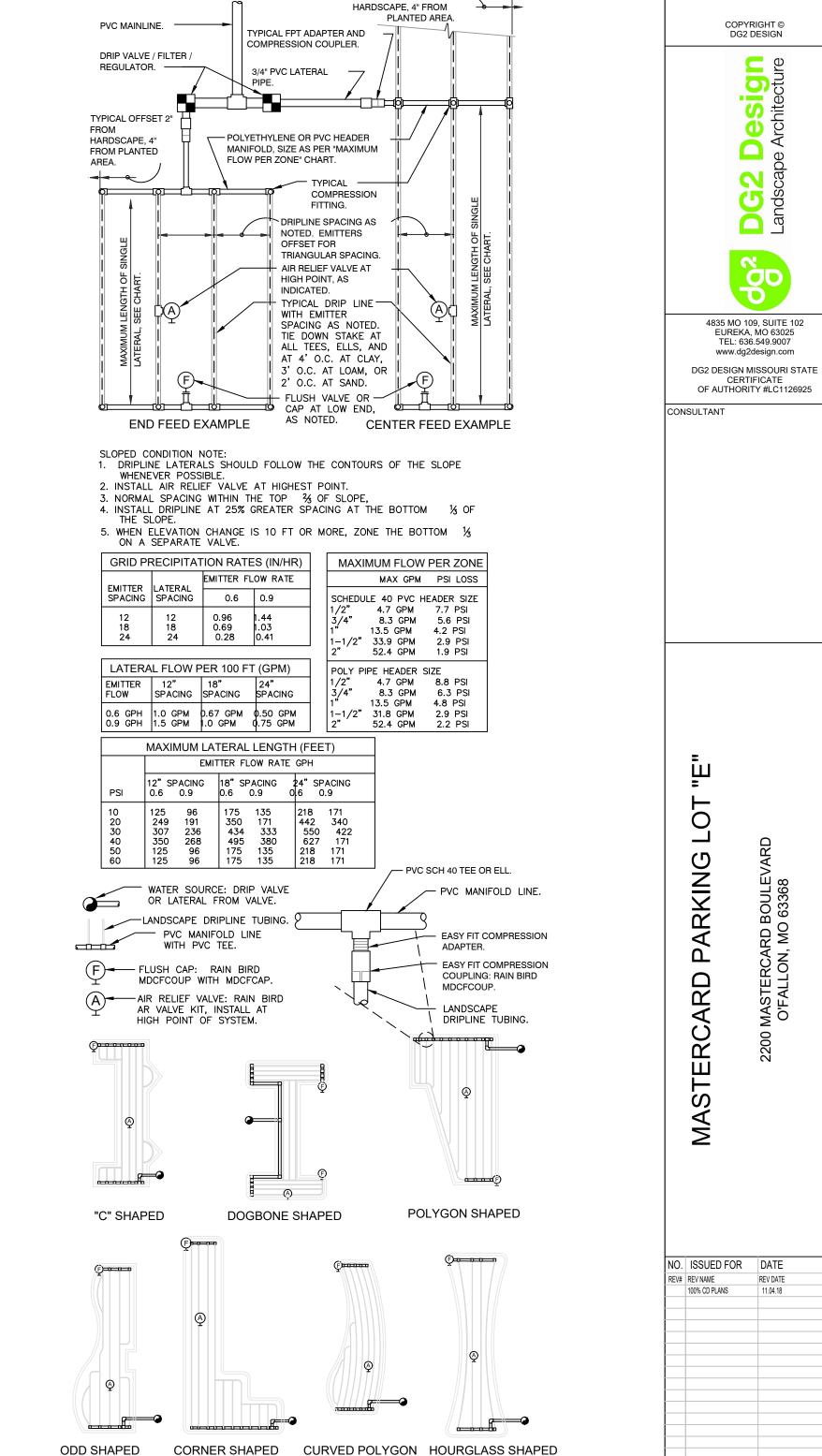
USE TIE-DOWN STAKES ON EACH LEG OF THE CHANGE OF DIRECTION.

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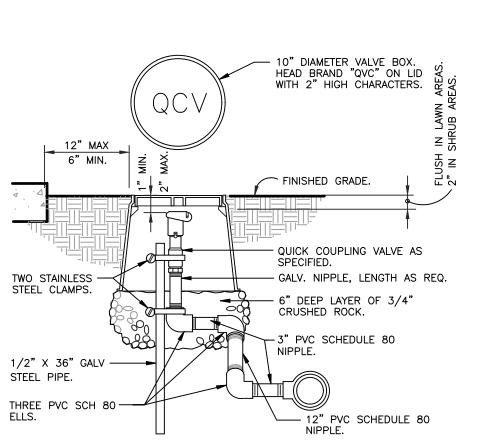


DRIPLINE ON GRADE





TYPICAL OFFSET 2" FROM —



QUICK COUPLING VALVE IN BOX

DIRECTION.

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