

NOTE:
THIS IRRIGATION SYSTEM IS DESIGNED FOR RECYCLED WATER USE. ALL COMPONENTS OF THE SYSTEM ARE TO BE NP (NON-POTABLE PURPLE) COMPLIANT AS SUPPLIED BY THE MANUFACTURER. THE COMPONENTS SHALL MEET ALL TCEQ (TEXAS DEPARTMENT OF ENVIRONMENTAL QUALITY) AND LOCAL GOVERNING AUTHORITY CODES FOR RECYCLED WATER USE IN LANDSCAPE IRRIGATION SYSTEMS. SIGNAGE AS REQUIRED BY LOCAL AUTHORITY/TCEQ SHALL BE PROVIDED.

NOTE:
ALL POTABLE WATER CROSSINGS SLEEVES SHALL EXTEND 9" HORIZONTALLY FROM THE CENTER LINE OF THE POTABLE PIPE ON BOTH SIDES OF THE CROSSING AND BE PROPERLY IDENTIFIED.

NOTE:
RECYCLED CROSSINGS TO BE BELOW POTABLE WATER LINES.

NOTE:
CONTRACTOR TO FOLLOW CHAPTER 290 SUBCHAPTER D TAC 30 FOR POTABLE WATER AND CHAPTER 210 RULES AND REGULATIONS FOR RECYCLED WATER. CONTRACTOR TO CHECK WITH AUTHORITY HAVING JURISDICTION FOR ALL PIPE LABELING AND SEPARATIONS.

NOTE:
PHOTOGRAPH AND GPS LOCATE ALL RECYCLED WATER LINES CROSSINGS UNDER DOMESTIC WATER LINES. COORDINATE DATA WITH CIVIL ENGINEER AND OWNER'S RECORDS. REFER TO POTABLE CROSSING DETAIL WHERE POSSIBLE ADJUST MAINLINE LOCATION TO AVOID POTABLE WATER CROSSINGS.

NOTE:
THE IRRIGATION MAINLINE SHALL BE INSTALLED NO CLOSER THAN 9 FEET IN ALL DIRECTIONS FROM WATER/WASTEWATER DRAIN COLLECTION FACILITIES. ALL SEPARATION DISTANCES ARE MEASURED FROM THE OUTSIDE SURFACE OF EACH OF THE RESPECTIVE PIECES. ADJUST IRRIGATION MAINLINE AS NEEDED TO MAINTAIN ACCEPTABLE OFFSET.

- 1) DRIP LINE SHALL BE BURIED 3" TO 5" BELOW FINISHED SOIL GRADE IN PLANTING BEDS AFTER PLANTING AND BEFORE MULCH AND 4" TO 6" BELOW FINISHED GRADE IN TURF AREAS.
- 2) STAGER EMITTER SPACING IN PARALLEL ROWS TO CREATE TRIANGULAR WETTING PATTERN.
- 3) ALL DRIP LINE SHALL BE SECURED USING SOIL STAPLES AS SUPPLIED BY THE MANUFACTURER SHOWN A MAX. OF 3" ON CENTER.
- 4) DRIP LATERALS SHOWN ON THE PLANS ARE USED TO INDICATE ZONING SIZES AND RELATIONSHIPS. INSTALLATION OF DRIP ZONES SHALL FOLLOW ONE OF THE TWO METHODS DESCRIBED IN DTL3, 3/4-LI 2.2, AND RAIN BIRD'S RECOMMENDED INSTALLATION SPECIFICATIONS.
- 5) RAIN BIRD XFS SERIES DRIP LINE SHALL BE USED AS FOLLOWS:
TURF AREAS: XFS-06-12, ROWS SPACED AT 12 INCHES
BED AREAS: XFS-09-18, ROWS SPACED AT 18 INCHES
BED AREAS WITH SLOPE 3:1 OR MORE: XFCV-06-12
- 6) WHEN CONFLICTS OCCUR BETWEEN THESE DRAWINGS AND THE MANUFACTURER'S SPECIFICATIONS DEFER TO THE MANUFACTURER'S RECOMMENDED SPECIFICATIONS.
- 7) EACH DRIP ZONE SHALL HAVE A DRIP SYSTEM OPERATION INDICATOR, RAIN BIRD MODEL OPERIND. INSTALL PER RAIN BIRD RECOMMENDATIONS.

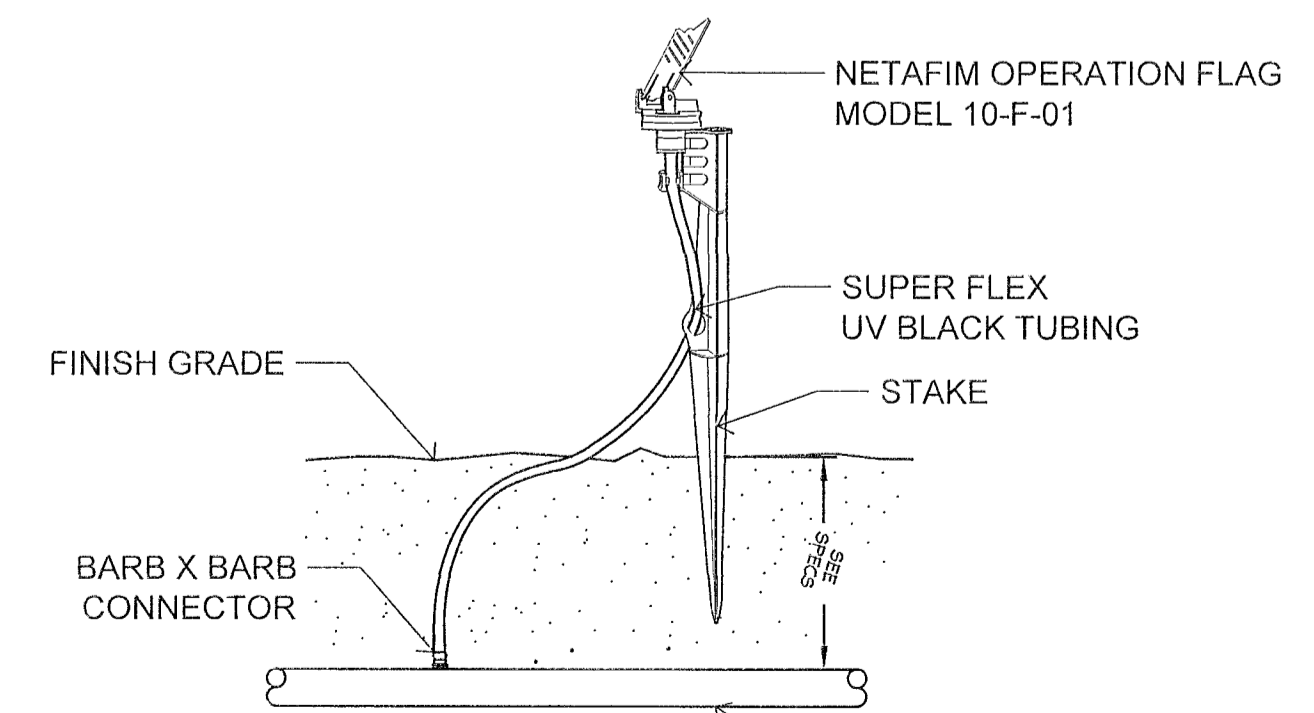
CONTRACTOR TO USE EASY FIT COMPRESSION OR 17MM INSERT FITTINGS WITH DRIPLINE BY RAIN BIRD. REFER TO MANUFACTURER'S SPECIFICATIONS FOR ALL PARTS TO INSURE COMPATIBILITY.

PROPER SIZING OF SUPPLY AND EXHAUST HEADERS (17MM XFS SERIES DRIPLINE)

TOTAL ZONE FLOW	PIPE SIZE
UP TO 5 GPM	1/2" SCH 40 PVC OR 1/2" CLASS 315 PVC
5.1 TO 8 GPM	3/4" CLASS 200 PVC
8.1 TO 13 GPM	1" CLASS 200 PVC
13.1 TO 22 GPM	1-1/4" CLASS 200 PVC
22.1 TO 31 GPM	1-1/2" CLASS 200 PVC

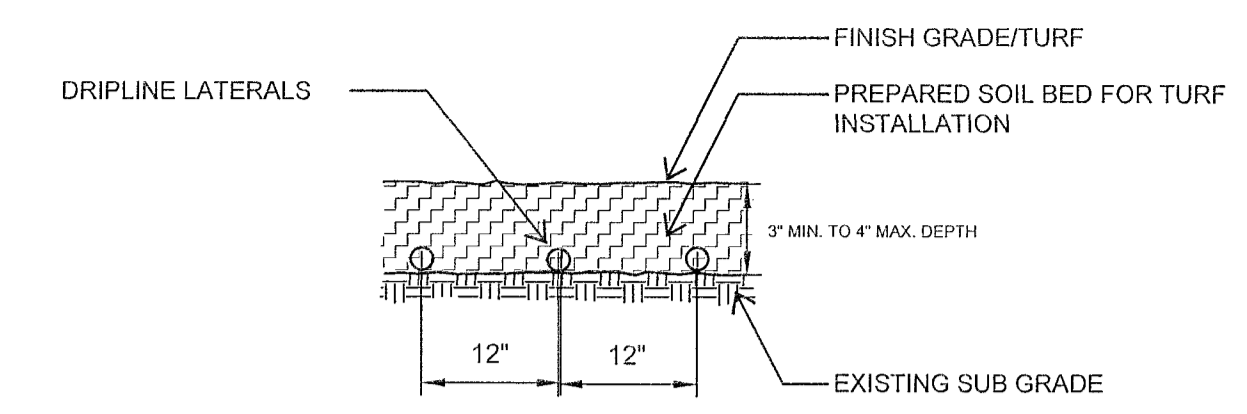
NOTE: A 45 PSI PRESSURE REGULATOR IS RECOMMENDED TO OBTAIN MAXIMUM RUN LENGTHS AND MAXIMIZE ZONE SIZE WHEN INSTALLING XFS SERIES DRIPLINE.

9 DRIP DESIGN NOTES



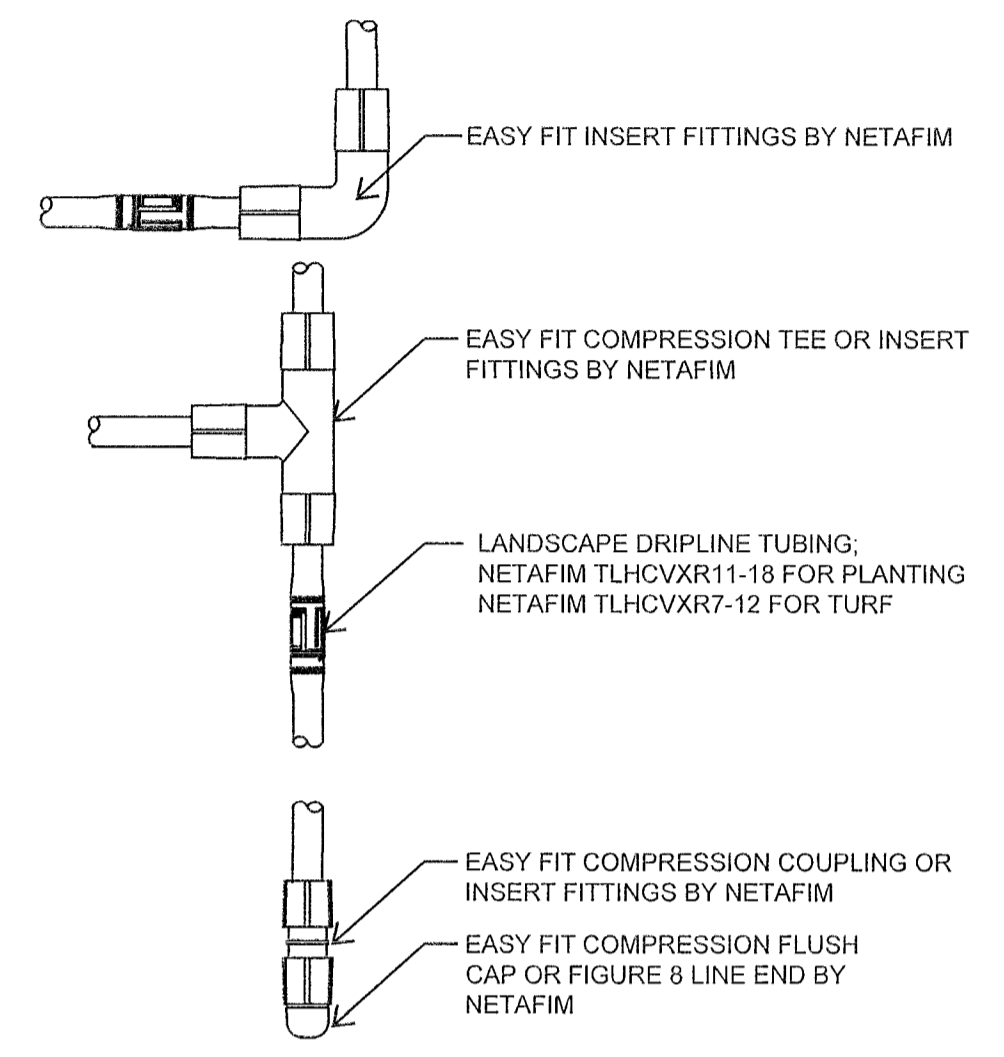
NOTE TO DESIGNER:
1. LOCATE INDICATOR STAKE AT THE FARTHEST AND/OR HIGHEST POINT ON THE ZONE.

8 DRIP OPERATION INDICATOR

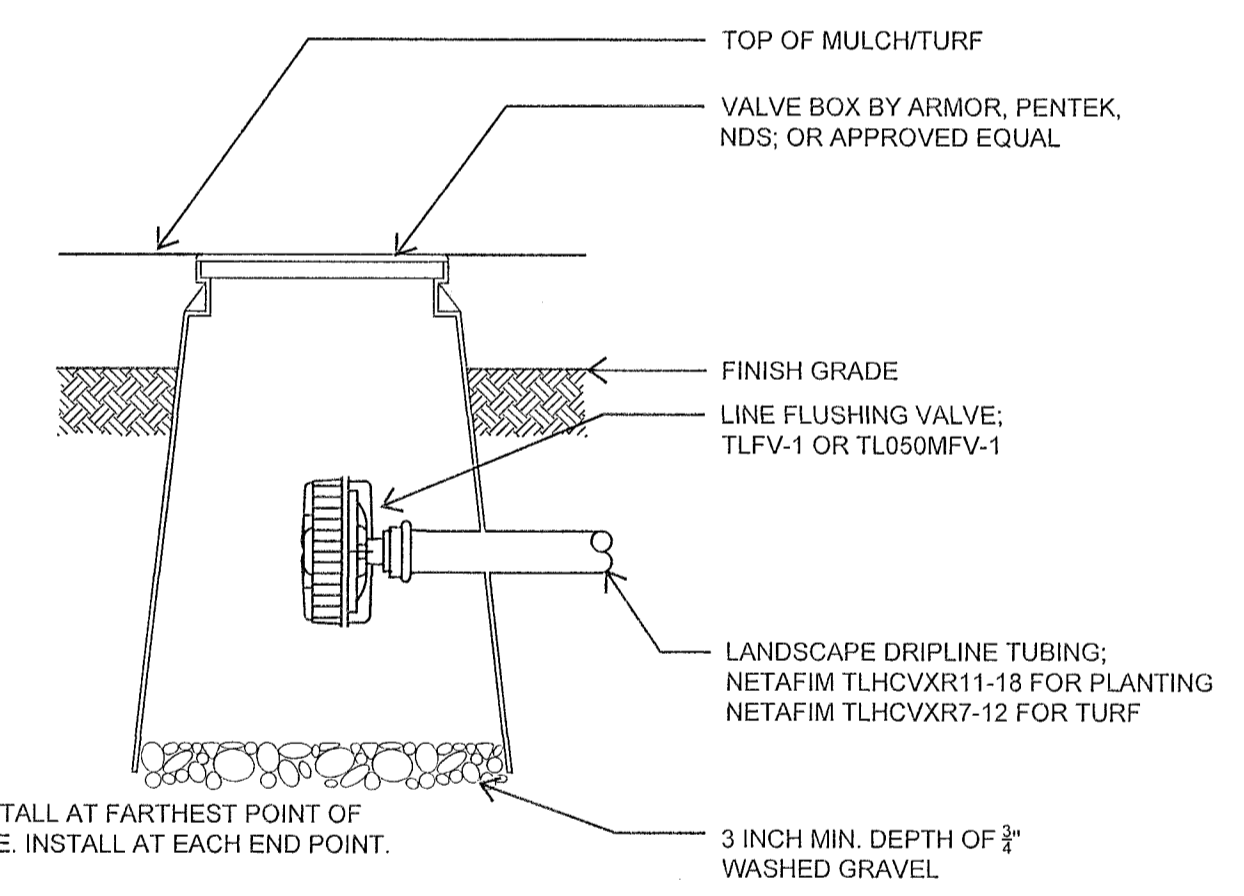


NOTE: PER NETAFIM MANUFACTURER'S SPECIFICATIONS, CONTRACTOR SHALL NOT EXCEED 12" SPACING BY MORE THAN 15%. SPACING WILL VARY DEPENDING ON WIDTH OF AREA BEING IRRIGATED.

7 TURF DRIP

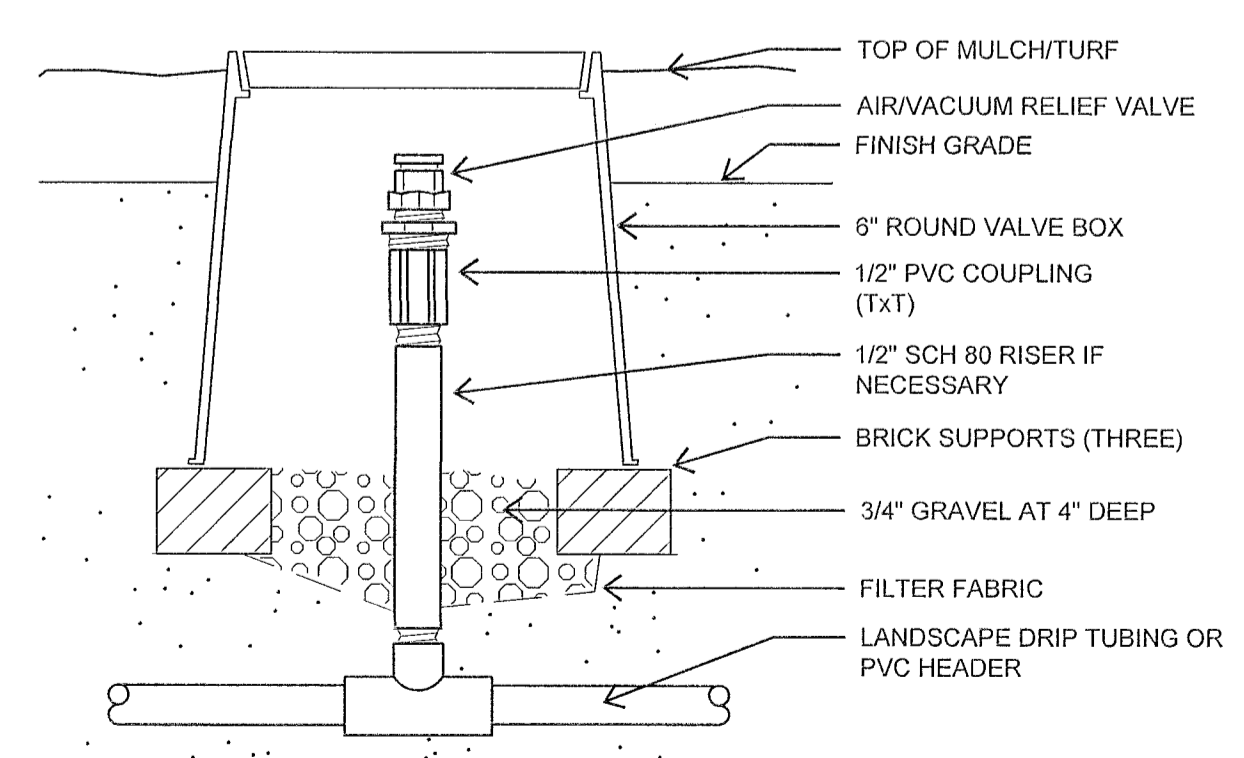


6 DRIPLINE FITTINGS



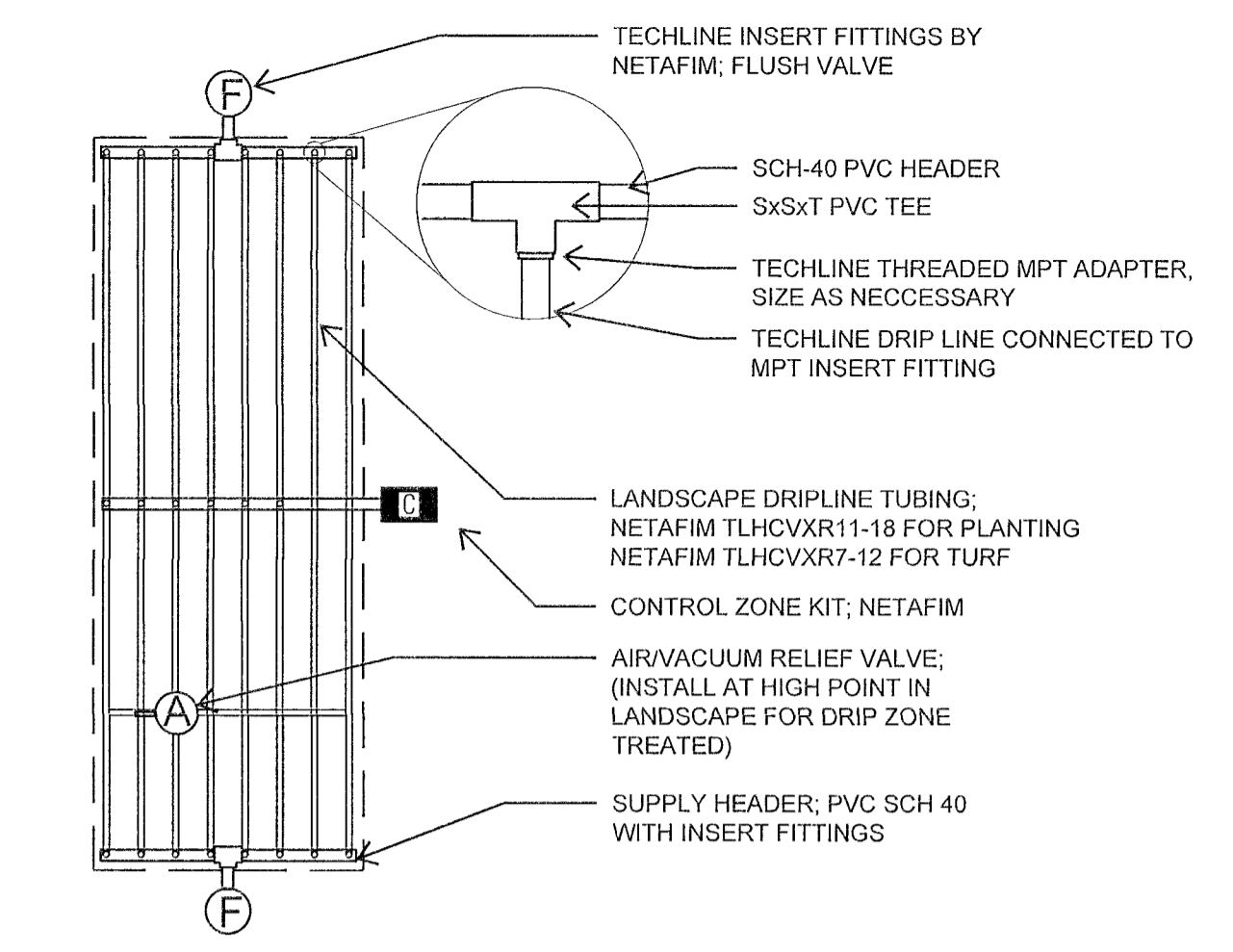
NOTE: INSTALL AT FARTHEST POINT OF DRIP ZONE. INSTALL AT EACH END POINT.

5 DRIPLINE FLUSH VALVE

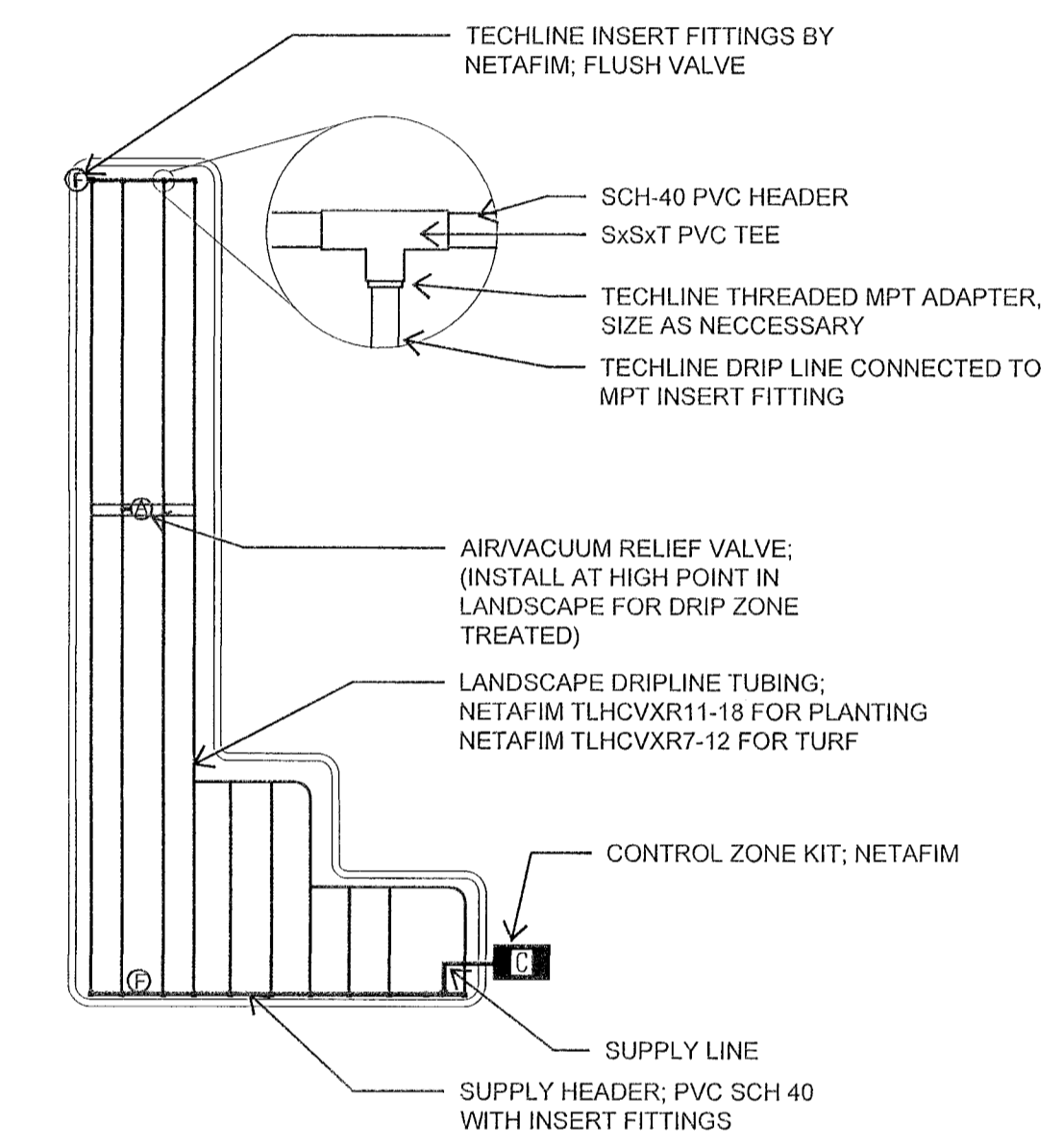


NOTE: INSTALL AT HIGH POINT OF DRIP ZONE. IF MORE THAN TWO HIGH POINTS IN A ZONE, INSTALL AT EACH HIGH POINT.

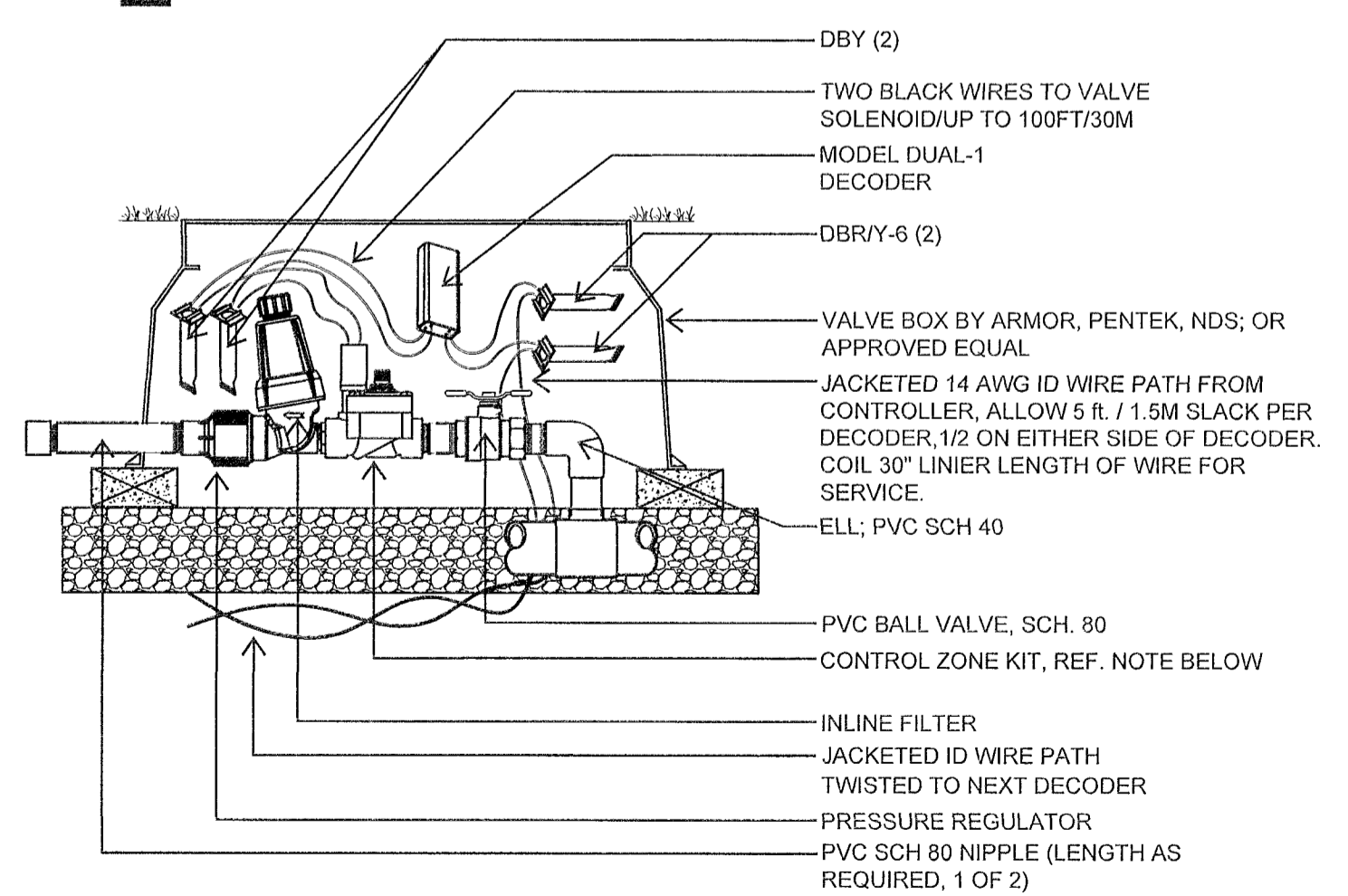
4 AIR RELIEF VALVE



3 DRIPLINE INSTALLATION (CENTER FEED)

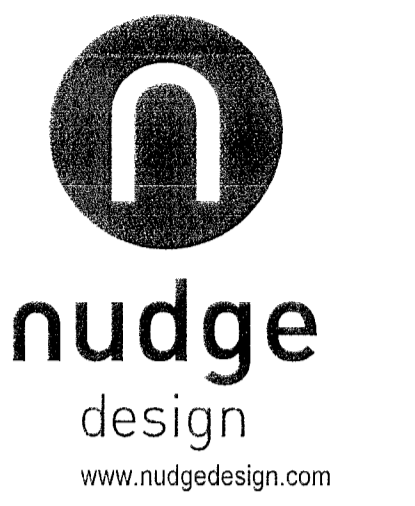
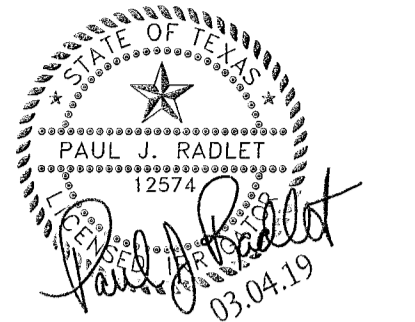


2 DRIPLINE INSTALLATION (END FEED)



CONTROL ZONE KIT:
 • LF ZONES: INSTALL NETAFIM LVC2S8010075-LF IN ZONES 25 to 4.4 GPM
 • MF ZONES: INSTALL NETAFIM LVC210075-HFHP IN ZONES 4.5 to 17.8 GPM
 • HF ZONES: INSTALL NETAFIM LVC2150HP IN ZONES 11.0 to 35.0 GPM

1 CONTROL ZONE KIT



EXISTING LEGEND

- FIRE HYDRANT W/ GATE VALVE
- WATERLINE W/ GATE VALVE
- WATERLINE W/ DOUBLE SERVICE
- WATERLINE W/ SINGLE SERVICE
- STM - STORM SEWER W/ MANHOLE
- STM - STORM SEWER W/ CURB INLET
- GROUND CONTOUR

PROPOSED LEGEND

- FIRE HYDRANT W/ GATE VALVE
- WATERLINE W/ GATE VALVE
- WATERLINE W/ DOUBLE SERVICE
- WATERLINE W/ SINGLE SERVICE
- WASTEWATER W/ CLEANOUT
- WASTEWATER W/ SINGLE SERVICE
- STM - STORM SEWER W/ MANHOLE
- STM - STORM SEWER W/ CURB INLET
- GROUND CONTOUR
- OVERHEAD UTILITY
- GAS LINE

NO.	DATE	REVISIONS	APPROVAL
2C	6/25/19	UPDATE IRRIGATION DETAILS	

THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCURRED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

BOULDIN CREEK COMMONS
2043 S LAMAR BLVD, AUSTIN, TX 78704

IRRIGATION DETAILS



SCALE: _____

JOB NO: A340

DGN BY: JMS

OWN BY: MAA

R/W BY: JMS

SITE PLAN APPROVAL SHEET _____ OF 31
 FILE NUMBER: SP-2016-0481C APPLICATION DATE: OCTOBER 14, 2016
 APPROVED BY COMMISSION ON _____ UNDER SECTION 112 ON
 CHAPTER 258 OF THE CITY OF AUSTIN CODE
 EXPIRATION DATE (25-5-H, LDC) _____ CASE MANAGER _____
 PROJECT EXPIRATION DATE (ORD #970905-A) _____ DWP# _____ DOZ _____

Director, DEVELOPMENT SERVICES DEPARTMENT: CS, CS-MU-CO
 RELEASED FOR GENERAL COMPLIANCE: _____
 Rev. 1: _____ Correction 1: _____
 Rev. 2: _____ Correction 2: _____
 Rev. 3: _____ Correction 3: _____

Final plat must be recorded by the Project Expiration Date, if applicable. Subsequent Site Plans which do not comply with the Code current at the time of filing, and all required Building Permits and/or a notice of construction of a Building permit is not required, must also be approved prior to the Project Expiration Date.

SHEET NO. 30 OF 31