Water Efficient Landscape Permit

Design Templates for Right-of-Ways

March 07, 2024

Prepared for:

City of Bend

Prepared by:



Narrow Planting Strip Templates

Right-of-Way Planting Strips 8' or Less in Width

CURB GRASS PROPERTY LINE **SHRUB TREE** (SHOWN FOR REFERENCE, WIDTH VARIES) \otimes . \otimes \circ . 🛇 **PERENNIAL** PROPERTY LINE **DRIVEWAY PER BDC STANDARD DETAILS** 10'-0" CLEAR LOION LINE TO \otimes GROUNDCOVER \otimes TOP DRESSING PROPERTY LINE

NOTES:

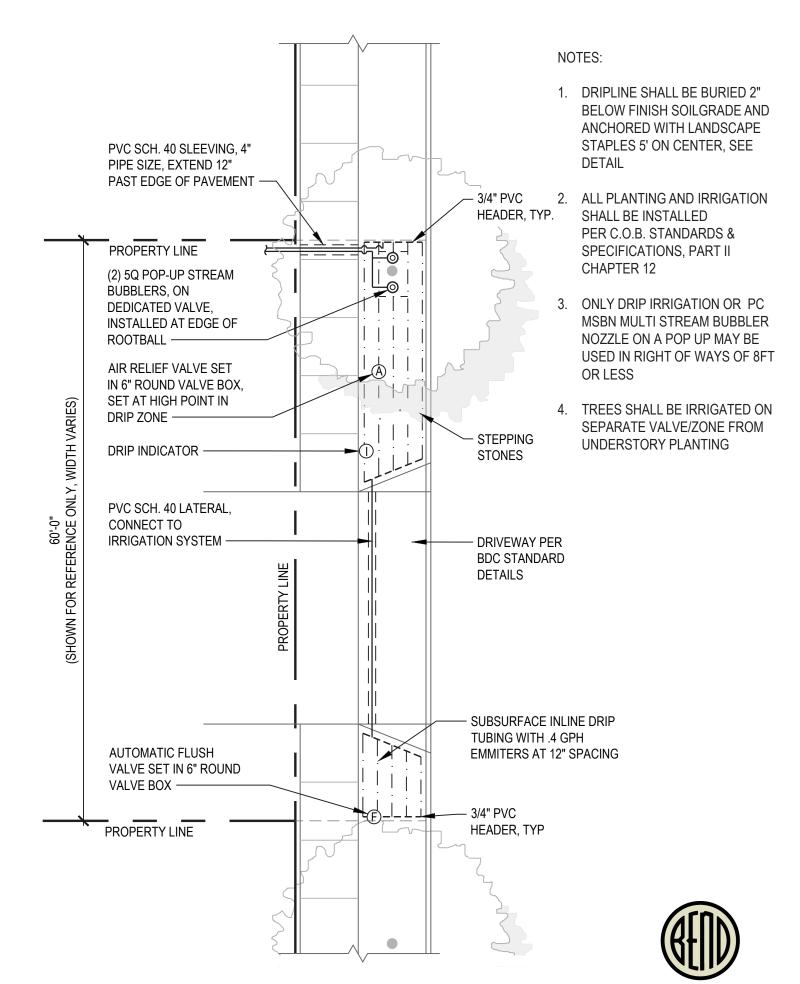
- ALL PLANT MATERIAL IN CLEAR VISION AREA MUST STAY UNDER 24" HEIGHT
- 2. SOIL SHALL BE AMENDED PER C.O.B. STANDARD SPECIFICATIONS PART II, CHAPTER 12.2.4.2
- 3. TREE SPACING VARIES, REFER TO STANDARDS AND SPECIFICATIONS CHAPTER 12.2.3.5
- ALL PLANTING & IRRIGATION SHALL BE INSTALLED PER C.O.B. STANDARDS & SPECIFICATIONS PART II, CHAPTER 12
- PLANT QUANTITY DEPENDENT
 ON PARKWAY WIDTH AND DESIGN
 VARIATIONS. MINIMUM 50% COVERAGE
 AT MATURITY. APPROX. 10 PLANTS/ 100
 SQFT.
- ANY PLANT SUBSTITUTIONS SHALL BE SUBMITTED TO THE CITY OF BEND FOR APPROVAL. APPROVED PLANTS ARE AVAILABLE ON THE CITY OF BEND APPROVED PLANT LIST.
- 7. PLANT SPECIES MAY NOT EXCEED MORE THAN 25% ORNAMENTAL / BUNCH GRASS.
- 8. LAWN IS PROHIBITED WITHIN THE PUBLIC RIGHT-OF-WAY
- PLANTING AREA SHALL BE TOP-DRESSED WITH MINIMUM 2" THICK LAYER OF SHREDDED BARK OR ROCK MULCH



WATER CONSERVATION

TYPICAL PLANT LAYOUT FOR NARROW STRIPS

SCALE: 1" = 10'-0"



CITY OF BEND

WATER CONSERVATION

Wide Planting Strip Templates

Right-of-Way Planting Strips Greater than 8' in Width

SHRUB PROPERTY LINE TREE \otimes \otimes (SHOWN FOR REFERENCE ONLY, WIDTH VARIES) \otimes \otimes Ò \otimes $\dot{}$ DRIVEWAY PER 8. **BDC STANDARD DETAILS** 10'-0" **CURB** 10-0 **GROUNDCOVER PERENNIAL** PROPERTY LINE TOP DRESSING TYPICAL PLANT LAYOUT FOR WIDE STRIPS

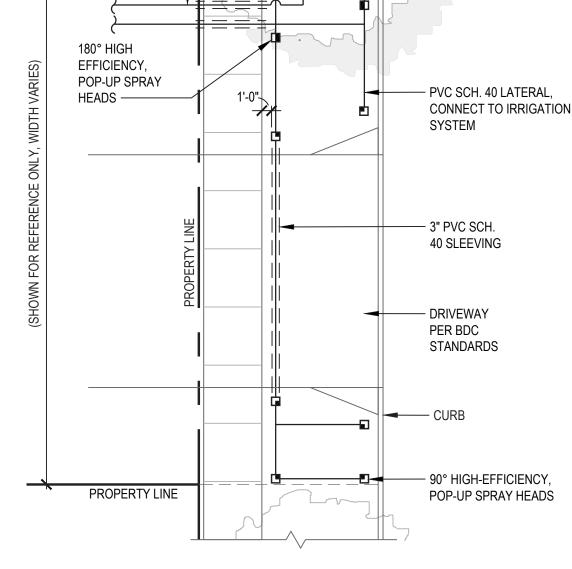
SCALE: 1" = 10'-0"

- ALL PLANT MATERIAL IN CLEAR VISION AREA MUST STAY UNDER 24" HEIGHT
- 2. SOIL SHALL BE AMENDED PER C.O.B. STANDARD SPECIFICATIONS PART II **CHAPTER 12.2.4.2**
- 3. TREE SPACING VARIES, REFER TO STANDARDS AND SPECIFICATIONS **CHAPTER 12.2.3.5**
- 4. ALL PLANTING & IRRIGATION SHALL BE INSTALLED PER C.O.B. STANDARDS & SPECIFICATIONS PART II CHAPTER 12
- 5. PLANT QUANTITY DEPENDENT ON PARKWAY WIDTH AND DESIGN VARIATIONS, MINIMUM 50% PLANT COVERAGE AT MATURITY. APPROX. 10 PLANTS/100 SQ. FT
- 6. ANY PLAN SUBSTITUTIONS SHALL BE SUBMITTED TO THE CITY OF BEND FOR APPROVAL. APPROVED PLANTS ARE AVAILABLE ON THE CITY OF BEND APPROVED PLANT LIST.
- 7. PLANT SPECIES MAY NOT EXCEED MORE THAN 25% ORNAMENTAL / BUNCH GRASS.
 - LAWN IS PROHIBITED WITHIN THE PUBLIC **RIGHT-OF-WAY**
- 9. PLANTING AREA SHALL BE TOP-DRESSED WITH MINIMUM 2" THICK LAYER OF SHREDDED BARK OR ROCK MULCH



NOTES:

- HIGH EFFICIENCY NOZZLES USED IN AREAS GREATER THAN 8FT IN SMALLEST DIMENSION
- 2. SPRAY HEADS SHALL BE OFFSET 12" FROM EDGE OF PAVEMENT
- 3. ALL PLANTING AND IRRIGATION SHALL BE INSTALLED PER C.O.B. STANDARDS & SPECIFICATIONS PART II CHAPTER 12
- 4. IRRIGATION MAY NOT RESULT IN ANY OVERSPRAY OUTSIDE OF PLANTER AREA
- 5. SPRAY HEADS SHALL BE LOCATED NO CLOSER THAN 1'-0" FROM ADJACENT HARDSCAPE OR CURB
- TREES SHALL BE IRRIGATED ON SEPARATE VALVE/ZONE FROM UNDERSTORY PLANTING





TYPICAL SPRAY IRRIGATION LAYOUT FOR WIDE STRIPS

(2) 5Q POP-UP STREAM

INSTALLED AT EDGE OF

PROPERTY LINE

BUBBLERS, ON DEDICATED VALVE.

ROOTBALL -

PVC SCH. 40

SYSTEM -

LATERAL, CONNECT TO IRRIGATION

Plant Palettes

PRE-APPROVED VERY LOW WATER-USE PALETTE

WOODY SHRUBS



ARCTOSTAPHYLOS C. 'PANCHITO' (PANCHITO MANZANITA)
HT: 1'-2' / W: 5'-6'



CHAMAEBATIARIA MILLEFOLIUM (FERNBUSH) HT: 3'-6' / W: 3'-6'



RIBES CEREUM (WAX CURRENT) HT: 4'-6' / W: 4'-6'



SALVIA DORII (PURPLE SAGE) HT: 2'-3' / W: 2'-3'

ORNAMENTAL GRASSES



ACHNATHERUM HYMENOIDES (INDIAN RICEGRASS) HT: 1'-2' / W: 1'-2'



PSEUDOROEGNERIA SPICATA (BLUEBUNCH WHEATGRASS) HT: 1'-2'/ W: 1'-2'



FESTUCA IDAHOENSIS (IDAHO FESCUE) HT: 2'-3' / W: 2'



KOELERIA MACRANTHA (PRAIRIE JUNEGRASS) HT: 1'-3' / W: 1'-3'

PERENNIALS



ACHILLEA MILLEFOLIUM (YARROW) HT: 2'-3' / W: 1'-2'



LINUM LEWISII (BLUE FLAX) HT: 1'-3'/W: 2'-3'



ARTEMESIA A. 'POWIS CASTLE' (POWIS CASTLE SILVER SAGE) HT: 2' / W: 1'-2'



PENSTEMON PINIFOLIUS (PINELEAF PENSTEMON) HT: 1'/W: 2'

GROUNDCOVERS



ANTENNARIA ROSEA (ROSY PUSSYTOES) HT: 1'/W: 1'



ERIOGONUM UMBELLATUM (SULPHUR BUCKWHEAT) HT: 1'/W: 1'



ERIOPHYLLUM LANATUM (OREGON SUNSHINE) HT: 1'-2' / W: 1'-2'



PENSTEMON DAVIDSONII (DAVIDSON'S PENSTEMON) HT: 1'/W: 1'-2'

- DEVIATION FROM APPROVED PLANT LIST REQUIRES APPROVAL FROM THE CITY OF BEND CONSERVATION DEPARTMENT
- TREES SHALL BE SELECTED FROM THE CITY OF BEND PRE-APPROVED STREET TREE LIST PER BEND DESIGN STANDARDS AND SPECIFICATIONS PART II, CHAPTER 12



VERY LOW WATER-USE RENDERINGS





- 1. TOP IMAGE DEPICTS A 7' WIDE PLANTING STRIP, BOTTOM IMAGES DEPICTS A 12' WIDE PLANTING STRIP.
- 2. RENDERINGS ARE SHOWN FOR REFERENCE ONLY TO CONVEY DESIGN AESTHETIC FOR DIFFERENT PLANT PALETTES.



PRE-APPROVED LOW WATER-USE PALETTE

WOODY SHRUBS



CARYOPTERIS X CLANODENSIS (BLUEBEARD) HT: 2'-3' / W: 2'-3'



PEROVSKIA ATRIPLICIFOLIA (RUSSIAN SAGE) HT: 2'-3' / W: 2'-3'



POTENTILLA FRUTICOSA (CINQUEFOIL) HT: 2'-4' / W: 3'-5'



RHUS AROMATICA 'GRO-LOW' (GRO-LOW SUMAC) HT: 2'-3' / W: 6'-8'

ORNAMENTAL GRASSES



CALAMAGROSTIS A. 'K. FOERSTER' (K.F. FEATHER REED GRASS) HT: 2'-3' / W: 3'-5'



PANICUM VIRGATUM (SWITCHGRASS) HT: 3'-6' / W: 3'-6'



FESTUCA OVINA GLAUCA (BLUE FESCUE) HT: 1'-2' / W: 1'-2'



SCHIZACHYRIUM SCOPARIUM (LITTLE BLUESTEM) HT: 1'-3' / W: 1'-2'

PERENNIALS



HEMEROCALIS SPP. (DAYLILY) HT: 1'-2' / W: 1'-2'



LAVANDULA ANGUSTIFOLIA (ENGLISH LAVANDER) HT: 2'-3' / W: 2'-4'



NEPETA RACEMOSA (CATMINT) HT: 1'-2' / W: 1'-3'



PENSTEMON STRICTUS (ROCKY MOUNTAIN PENSTEMON) HT: 1'-2'/W: 1'-2'

GROUNDCOVERS



ARCTOSTAPHYLOS UVA-URSI (KINNIKINNICK) HT: 1' W: 2'-4'



ARMERIA MARITIMA (SEA THRIFT) HT: 1'/W: 1'



PHLOX STOLINIFERA (CREEPING PHLOX) HT: 1'/W: 1'-2'



THYMUS SERPYLLUM (CREEPING THYME) HT: 6"/W: 1'

- 1. DEVIATION FROM APPROVED PLANT LIST REQUIRES APPROVAL FROM THE CITY OF BEND CONSERVATION DEPARTMENT.
- 2. TREES SHALL BE SELECTED FROM THE CITY OF BEND PRE-APPROVED STREET TREE LIST PER BEND DESIGN STANDARDS AND SPECIFICATIONS PART II, CHAPTER 12



LOW WATER-USE RENDERINGS





- 1. TOP IMAGE DEPICTS A 7' WIDE PLANTING STRIP, BOTTOM IMAGES DEPICTS A 12' WIDE PLANTING STRIP.
- 2. RENDERINGS ARE SHOWN FOR REFERENCE ONLY TO CONVEY DESIGN AESTHETIC FOR DIFFERENT PLANT PALETTES.



PRE-APPROVED MODERATE WATER-USE PALETTE

WOODY SHRUBS



BUDDLEJA x 'BLUE CHIP (BLUE CHIP BUTTERFLY BUSH) HT: 2'-3'/W: 3'-4'



EUONYMOUS ALATUS 'COMPACTUS' (COMPACT BURNING BUSH) HT: 5'-6' / W: 5'-6'



SPIREA JAPONICA VARIETIES (SPIREA) HT: 4'-6' / W: 4'-6'



VIBURNUM T. 'COMPACTUM' (COMPACT CRANBERRY BUSH) HT: 3'-6'/ W: 3'-6'

ORNAMENTAL GRASSES



DESCHAMPSIA CESPITOSA (TUFTED HAIR GRASS) HT: 2'-3' / W: 2'-3'



PENSTEMON ALOPECUR. 'HAMELN' (HAMELN FOUNTAIN GRASS) HT: 2'-3'/W: 2'-3'



HELICTOTRITON SEMPERVIRENS (BLUE OAT GRASS) HT: 2'-3' / W: 2'-3'



SESLERIA AUTUMNALIS (AUTUMN MOORE GRASS) HT: 1'-2' / W: 1'-2'

PERENNIALS



AGASTACHE 'BLUE FORTUNE' (BLUE FORTUNE HYSSOP)
HT: 2'-3' / W: 2'-3'



IRIS SPP. (BEARDED IRIS) HT: 18" / W: 18"



LEUCANTHEMUM (SHASTA DAISY) HT: 1'-3' / W: 1'-2'



ECHINACEA SPP. (CONEFLOWER) HT: 2'-3'/W: 1'-2'

GROUNDCOVERS



GALIUM ODORATUM (SWEET WOODRUFF) HT: 1' / W: 1'-2'



GERANIUM 'TINY MONSTER' (HARDY GERANIUM) HT: 1'/W: 1'-2'



IBIRIS SEMPERVIRENS (EVERGREEN CANDYTUFT) HT: 6"-1'/W: 1'-2'



SYMPHYOTRICHUM 'WOOD'S BLUE' (WOODS BLUE ASTER) HT: 1'/W: 1'-2'

- 1. DEVIATION FROM APPROVED PLANT LIST REQUIRES APPROVAL FROM THE CITY OF BEND CONSERVATION DEPARTMENT.
- 2. TREES SHALL BE SELECTED FROM THE CITY OF BEND PRE-APPROVED STREET TREE LIST PER BEND DESIGN STANDARDS AND SPECIFICATIONS PART II, CHAPTER 12



MODERATE WATER-USE RENDERINGS

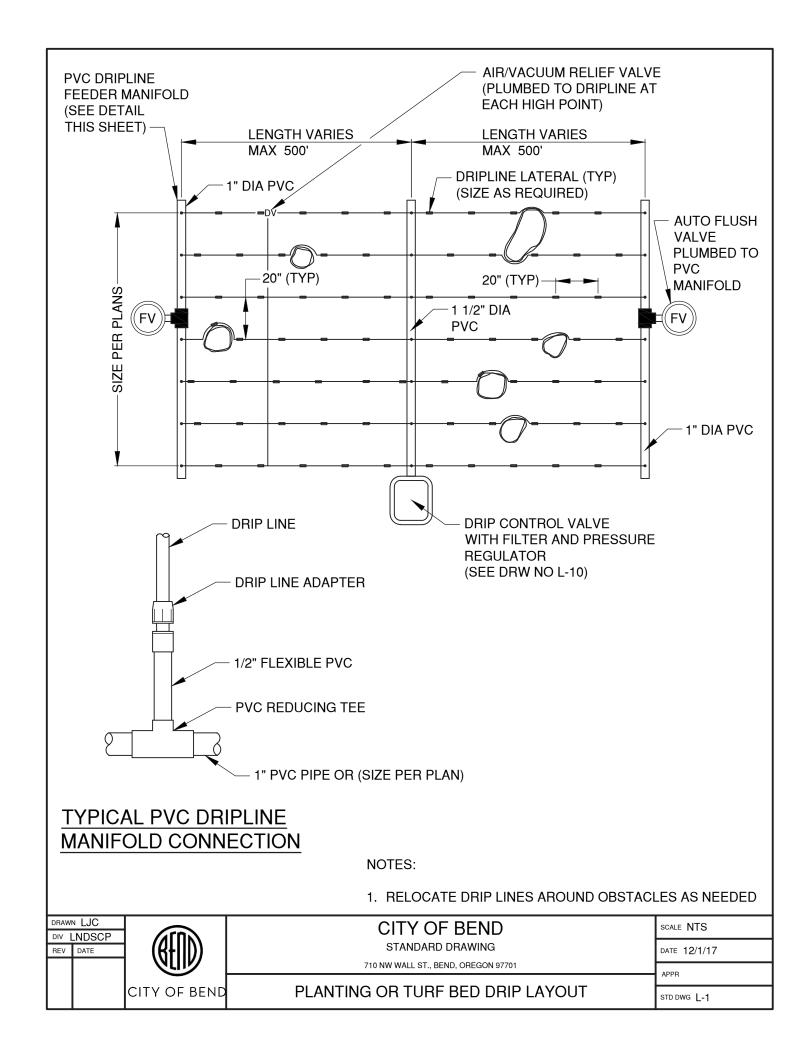


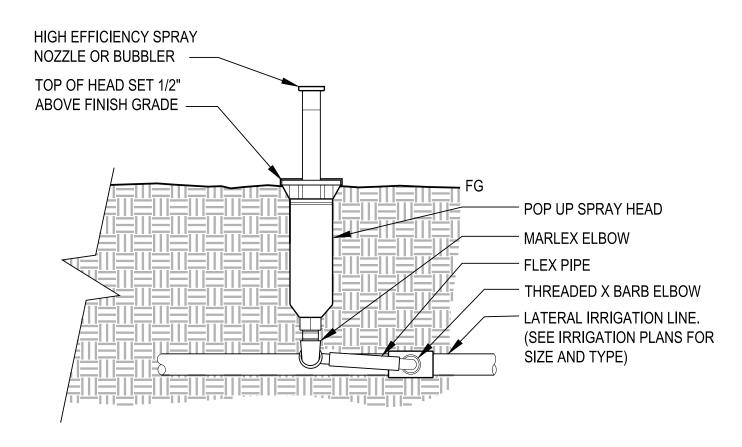


- 1. TOP IMAGE DEPICTS A 7' WIDE PLANTING STRIP, BOTTOM IMAGES DEPICTS A 12' WIDE PLANTING STRIP.
- 2. RENDERINGS ARE SHOWN FOR REFERENCE ONLY TO CONVEY DESIGN AESTHETIC FOR DIFFERENT PLANT PALETTES.

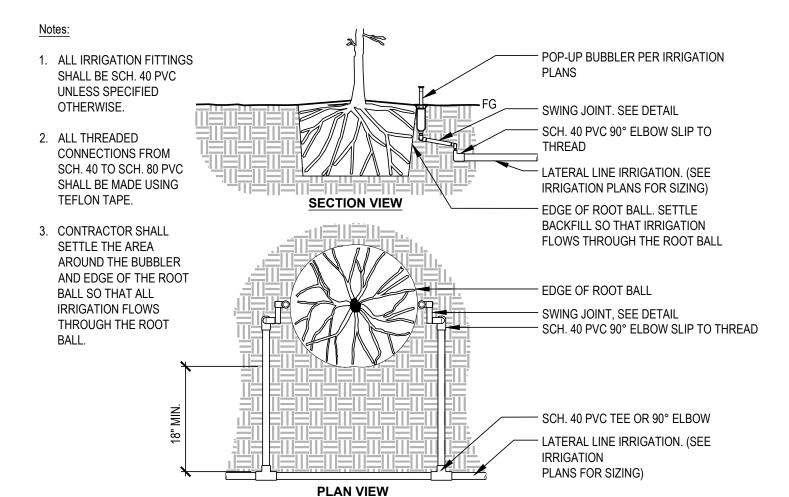


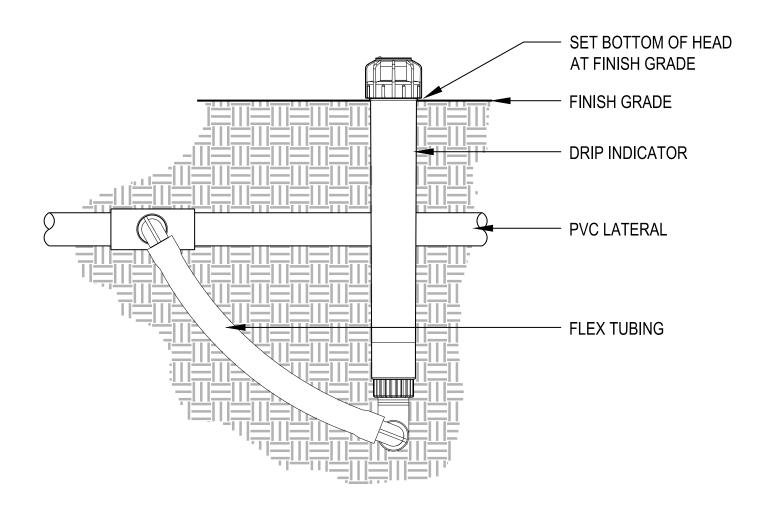
STANDARD DETAILS

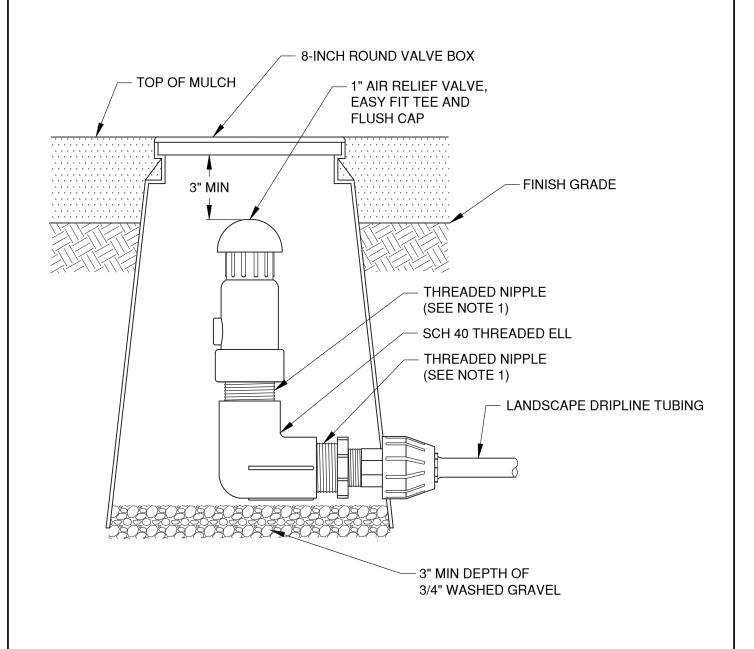




- CONTRACTOR SHALL SETTLE SOIL AROUND SPRAY HEAD AFTER INSTALLATION.
- 2. ALL SPRAY HEADS SHALL HAVE CHECK VALVES.
- 3. ALL SCH. 40 TO SCH. 80 PVC CONNECTIONS SAHLL BE MADE USING TEFLON TAPE.



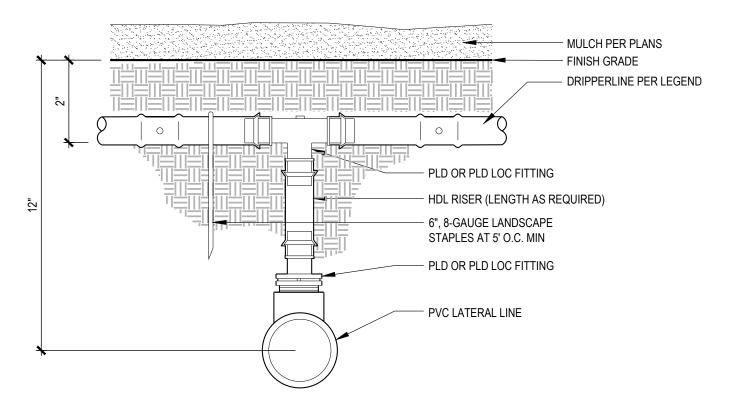




NOTES:

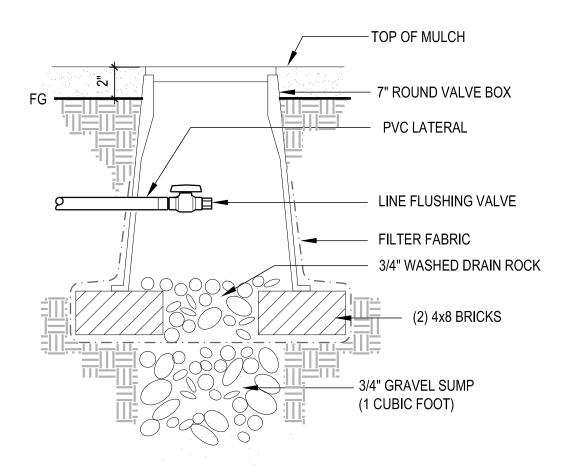
1. PROVIDE ALL THREADED CONNECTIONS WITH A NON-HARDENING, JOINT COMPOUND, COMPATIBLE WITH MANUFACTURERS RECOMMENDATIONS

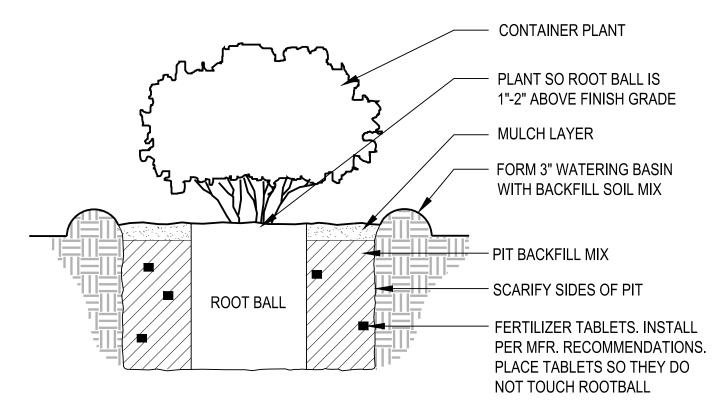
		CITY OF BEND	AIR RELIEF VALVE IN KIT - AR VALVE KIT	STD DWG L-13
			710 NW WALL ST., BEND, OREGON 97701	APPR
REV	DATE	(GHIID) I	STANDARD DRAWING	DATE 12/1/17
_	N LJC LNDSCP	ALUV	CITY OF BEND	scale NTS



DRIP LINE INSTALLATION

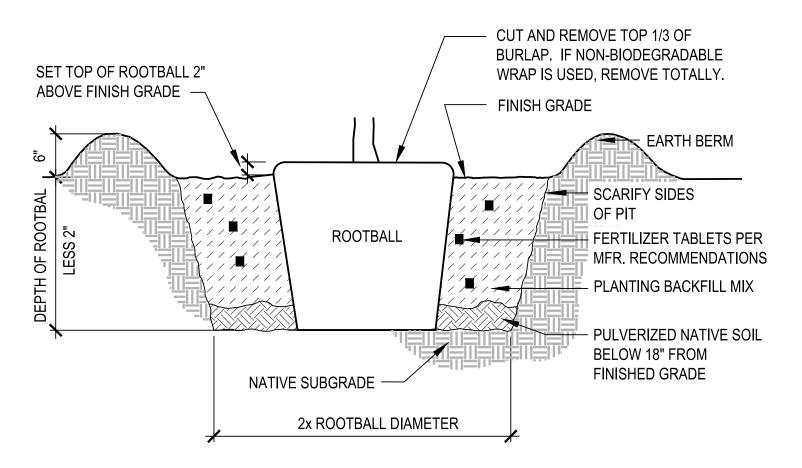
NOT TO SCALE

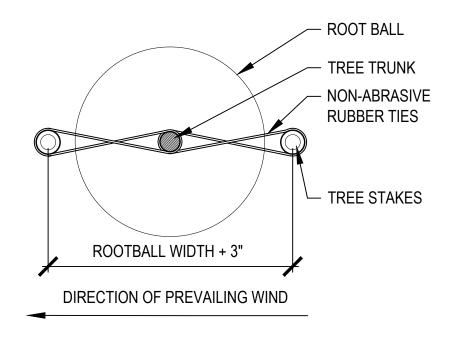




TYPICAL SHRUB PLANTING

NOT TO SCALE





PLAN

