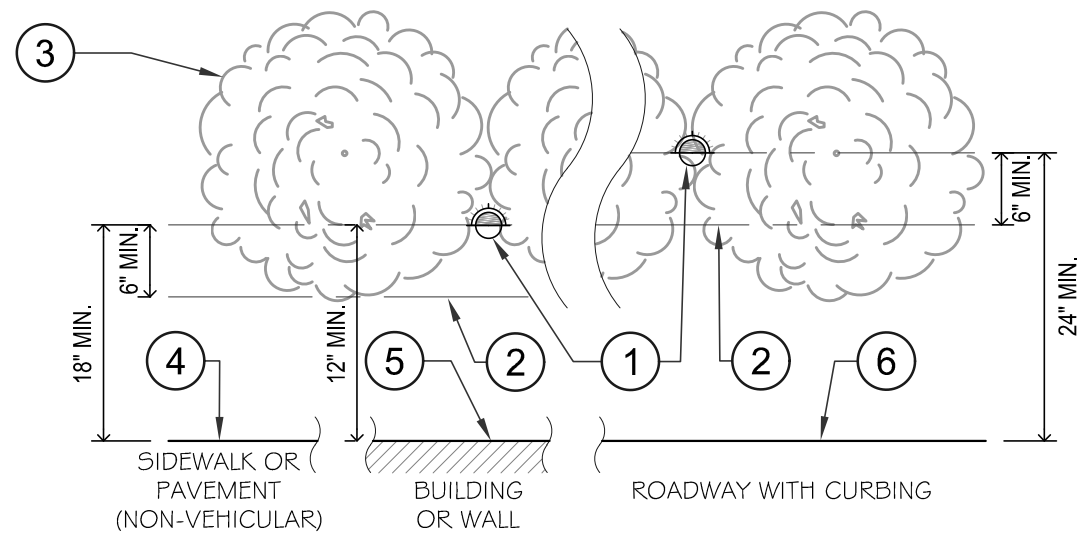
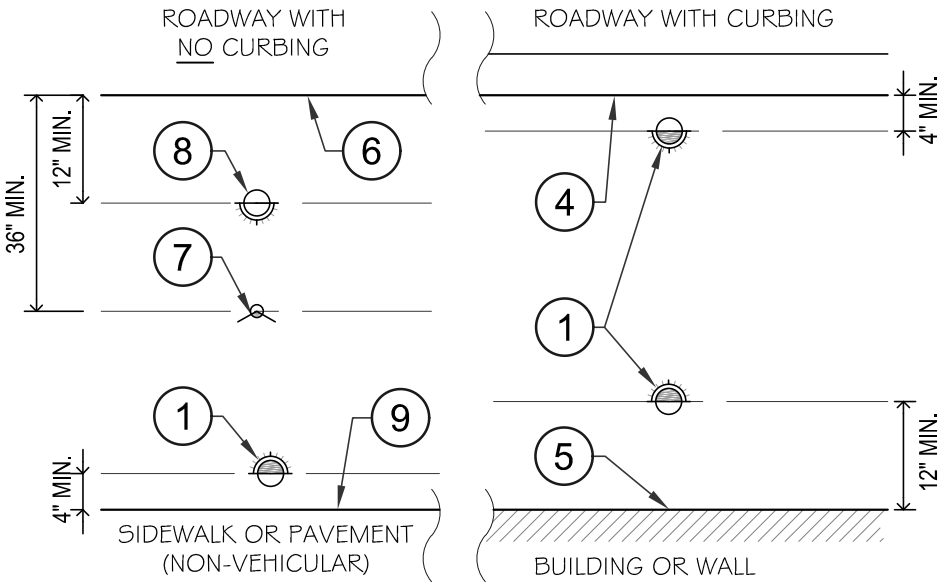


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LAYOUT FOR SHRUB SPRAY HEADS ON RISERS

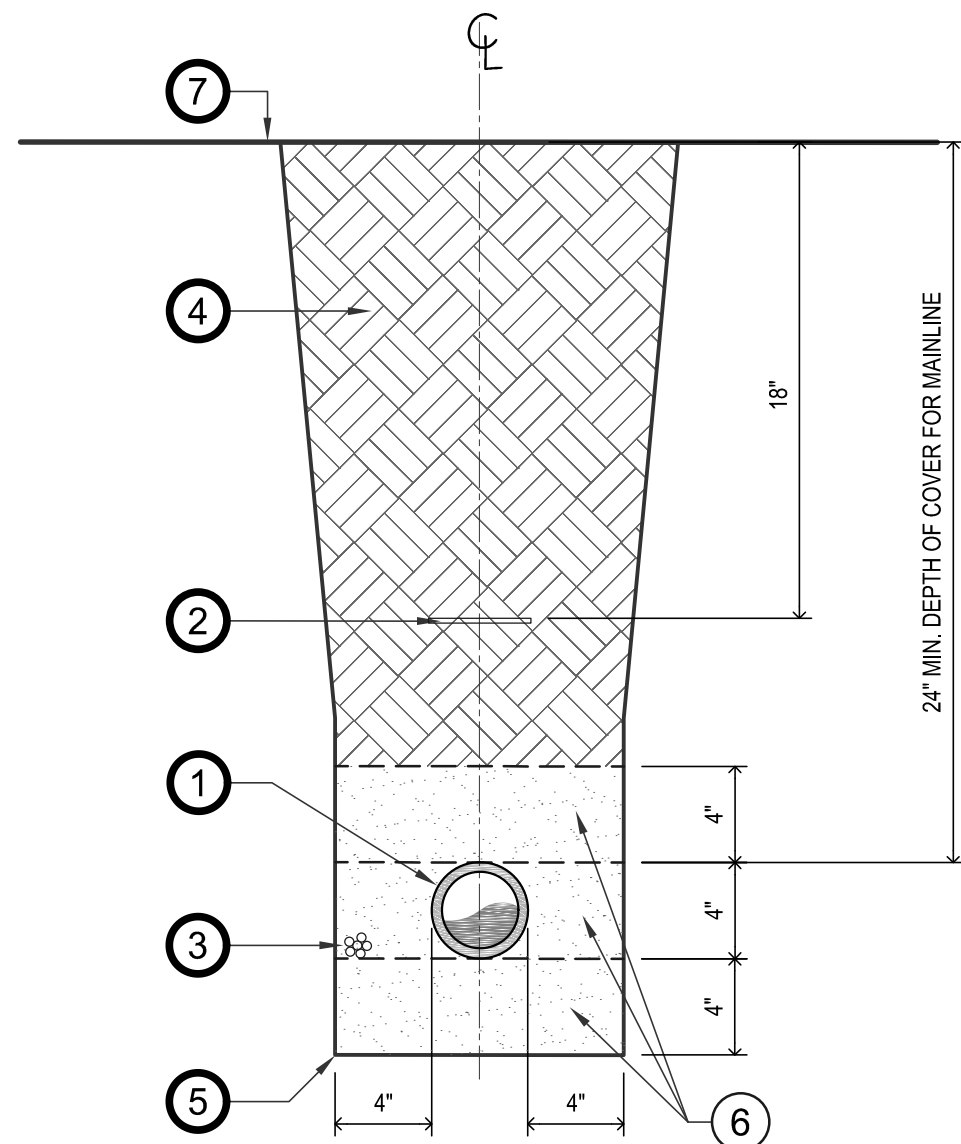


LAYOUT FOR LAWN SPRAYS

- 1 SPRAY HEAD: SHRUB SPRAY, POP-UP OR ROTOR ON RISER (SEE PLANS & SCHEDULE FOR TYPE)
- 2 SPRAY HEAD SHALL BE PLACED A MINIMUM OF 6" WITHIN SHRUB MASS
- 3 TYPICAL SHRUB
- 4 BACK OF CURB, SIDEWALK, OR EDGE OF PAVEMENT (NON-VEHICULAR)
- 5 OUTSIDE EDGE OF WALL
- 6 EDGE OF PAVEMENT (VEHICULAR USE)
- 7 ROTORS SHALL BE INSTALLED 36" FROM EDGE OF PAVEMENT WHEN ROADWAY HAS NO CURB.
- 8 TURF SPRAY SHALL BE INSTALLED 12" FROM EDGE OF PAVEMENT WHEN ROADWAY HAS NO CURB.
- 9 EDGE OF WALK OR NON-VEHICULAR USE PAVEMENT

1 IRRIGATION HEAD LAYOUT DETAIL

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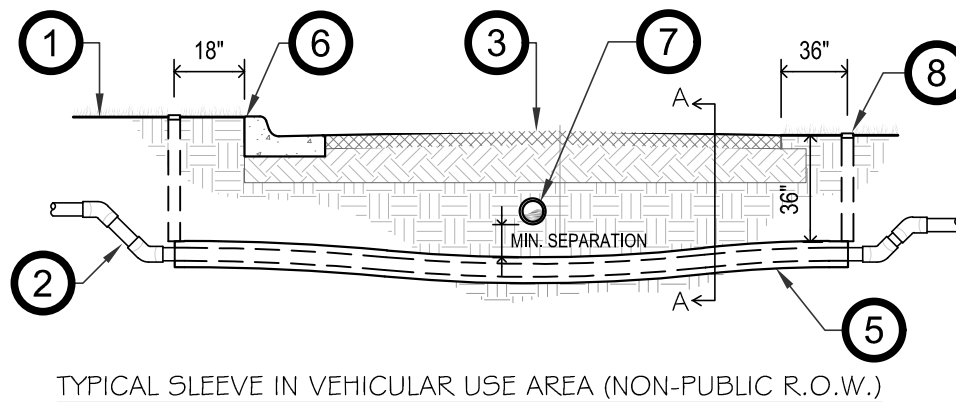
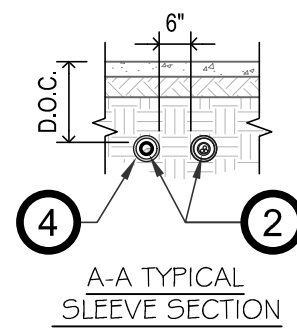


- 1 IRRIGATION MAIN LINE, SIZE PER PLAN
- 2 IDENTIFICATION TAPE: APPROVED MAGNETIC TAPE SHALL BE INSTALLED DIRECTLY ABOVE IRRIGATION WATER MAIN. TAPE SHALL NOT BE DEEPER THAN 18" BELOW FINISHED GRADE WITH A MINIMUM OF 6" ABOVE WATER MAIN. CONTRACTOR SHALL CONTACT OWNER/OWNER'S REPRESENTATIVE FOR APPROVAL.
- 3 LOW VOLTAGE DIRECT BURIAL IRRIGATION CONTROLLER WIRE (UF RATED) PER SPECIFICATIONS, TAPE & BUNDLE CONTROLLER WIRE @ 10' INTERVALS MAX.
- 4 SALVAGED EXCAVATED FILL COMPACTED TO ORIGINAL DENSITY, WITH ALL SHARP OBJECTS, ROCKS, STONES OF 3/4" DIAMETER OR GREATER REMOVED PRIOR TO BACK FILLING (TYP.). COMPACTED PER NOTES/SPECIFICATIONS
- 5 BOTTOM OF TRENCH
- 6 INITIAL BACKFILL & BEDDING TO BE CLEAN, COARSE SAND PLACED IN 4" LIFTS AND MECHANICALLY COMPACTED TO 95% PROCTOR
- 7 FINISHED GRADE

2 MAINLINE TRENCH DETAIL

N.T.S.

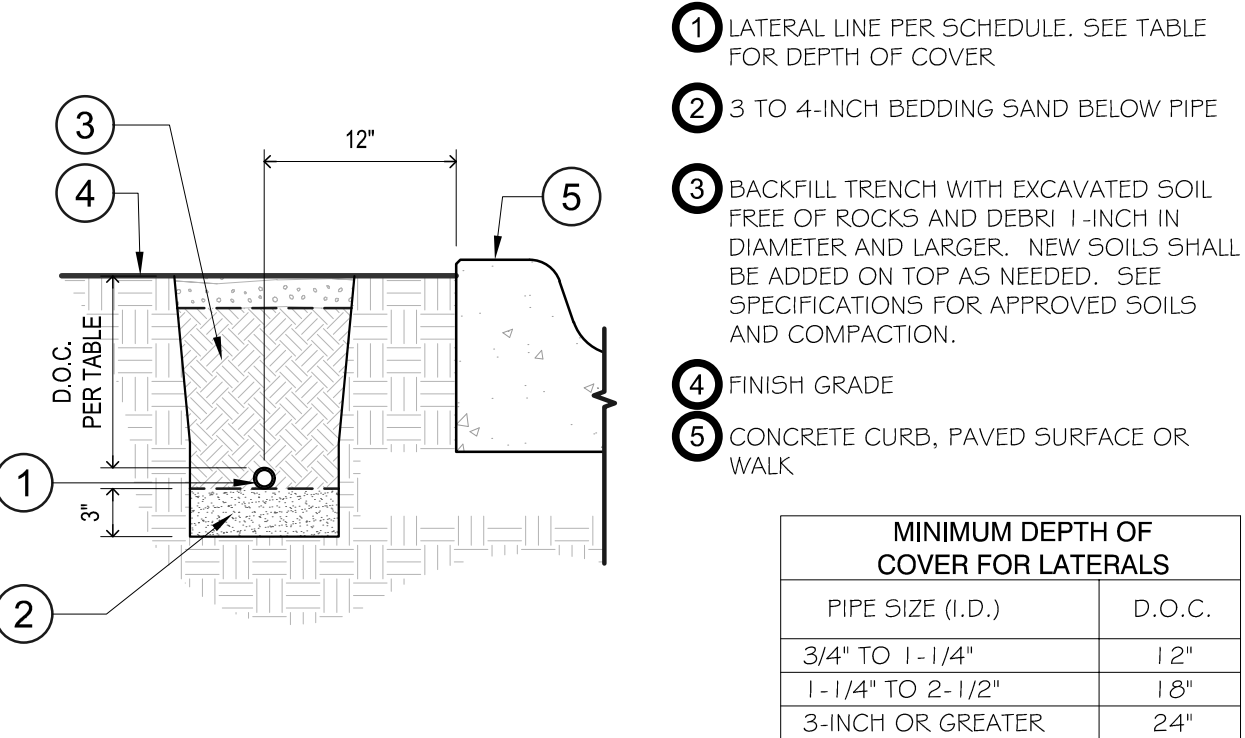
- NOTE:
- 1 SLEEVES WITHIN EXISTING ROADWAYS OR PAVEMENT (THAT ARE NOT RESURFACED AS PART OF THIS PROJECT) SHALL BE INSTALLED BY DIRECTIONAL BORE WITH NO DAMAGE TO EXISTING PAVEMENT.
 - 2 SLEEVES SHALL BE A MINIMUM OF 2" I.D. AND AT LEAST 2 SIZES LARGER THAN THE "CASED PIPE" CARRIED IN THE SLEEVE. SIZES NOTED ON PLAN ARE MINIMUM.
 - 3 SLEEVES:
2" TO 4" SHALL BE PVC SCHEDULE 40
6" AND GREATER SHALL BE PVC CLASS 200



- 1 FINISH GRADE
- 2 IRRIGATION PIPE (MAINLINE, LATERAL, OR WIRE CONDUIT), MAINTAIN A MINIMUM OF 6" (HORIZONTAL) SEPARATION BETWEEN SLEEVES.
- 3 PAVED VEHICULAR USE AREA (IE. ROADS, PARKING, DRIVEWAYS)
- 4 SECTION VIEW OF SLEEVES, MAINTAIN A MINIMUM OF 6" (HORIZONTAL) SEPARATION BETWEEN ALL SLEEVES.
- 5 SLEEVES BELOW VEHICULAR USE AREAS SHALL HAVE A MINIMUM DEPTH OF COVER OF 36".
- 6 BACK OF CURB
- 7 UTILITY PIPE CONFLICT, IRRIGATION SLEEVES SHALL BE INSTALLED WITH THE MINIMUM PIPE SEPARATIONS AS PER THE FLORIDA BUILDING CODE, AND ALL LOCAL APPLICABLE CODES/ORDINANCES. CONTRACTOR SHALL VERIFY ALL UTILITIES WITH THE GOVERNING AGENCIES PRIOR TO COMMENCING WORK.
- 8 SLEEVE MARKER, 1" ABOVE FINISH GRADE (2" VERT. PVC PIPE, W/ YELLOW CAP), SHALL BE USED WHEN COVERING EMPTY OR SPARE SLEEVES.

3 IRRIGATION ROAD & DRIVEWAY SLEEVES

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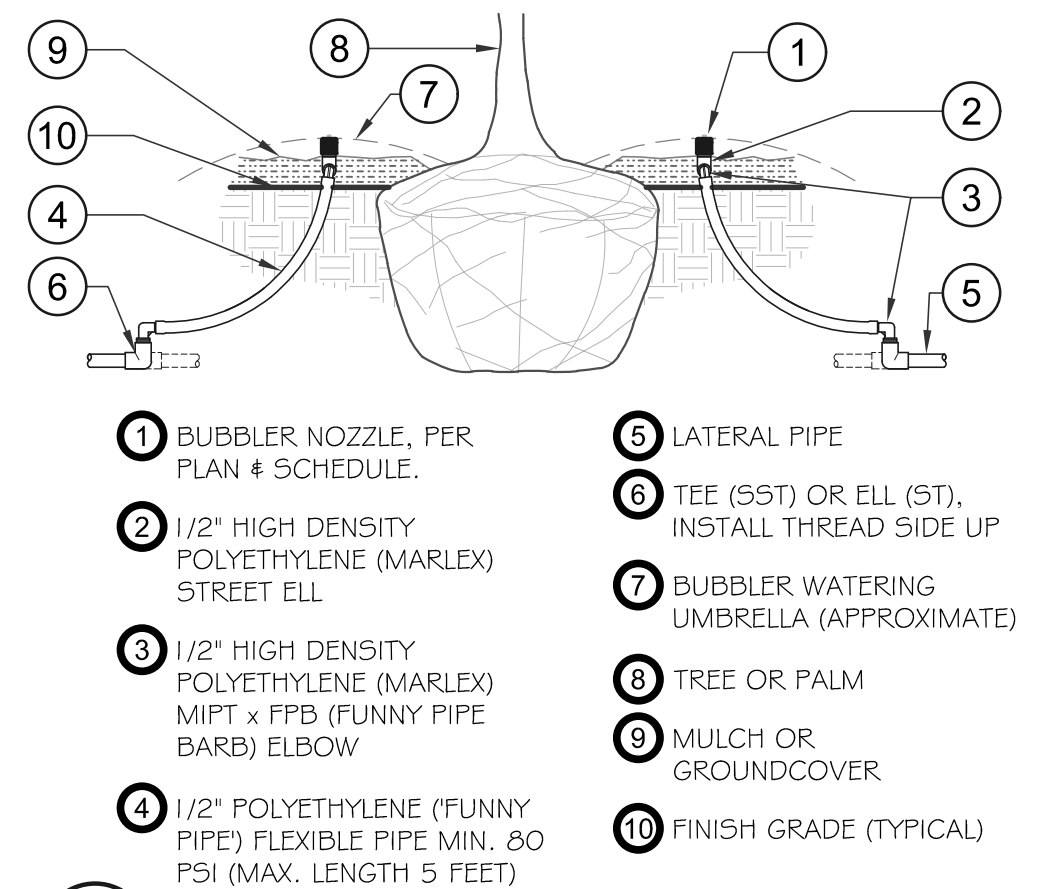


| MINIMUM DEPTH OF COVER FOR LATERALS | |
|-------------------------------------|--------|
| PIPE SIZE (I.D.) | D.O.C. |
| 3/4" TO 1-1/4" | 12" |
| 1-1/4" TO 2-1/2" | 18" |
| 3-INCH OR GREATER | 24" |

- NOTES:
1. SNAKE PIPE HORIZONTALLY IN TRENCH TO ALLOW ONE (1) FOOT OF EXPANSION AND CONTRACTION PER 100 FEET OF STRAIGHT RUN.
 2. CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL EXCAVATED ROCK AND DEBRIS UNSUITABLE FOR BACKFILL.
 3. SOD AREAS SHALL RECEIVE 2" OF 80/20 (SAND/SOIL) MIX ON TOP OF TRENCH. INSTALL NEW ST AUGUSTINE FLORATAM SOD OR BERMUDA SOD AS DIRECTED BY OWNER'S REPRESENTATIVE.
 4. PLANTING AREAS SHALL BE RESTORED TO THEIR PREVIOUS STATE, BACKFILL TOP 8-INCHES OF TRENCH WITH 80/20 PLANTING SOIL AND REPLACE ANY SHRUBS OR GROUND COVER DAMAGED DURING CONSTRUCTION.
 5. MAINTAIN 8" HORIZONTAL SEPARATION BETWEEN LATERALS AND MAINLINES, 4" HORIZONTAL SEPARATION BETWEEN PARALLEL LATERAL PIPES, AND 8" HORIZONTAL SEPARATION BETWEEN PIPES OF OTHER TRADES.

4 LATERAL PIPE TRENCH DETAIL

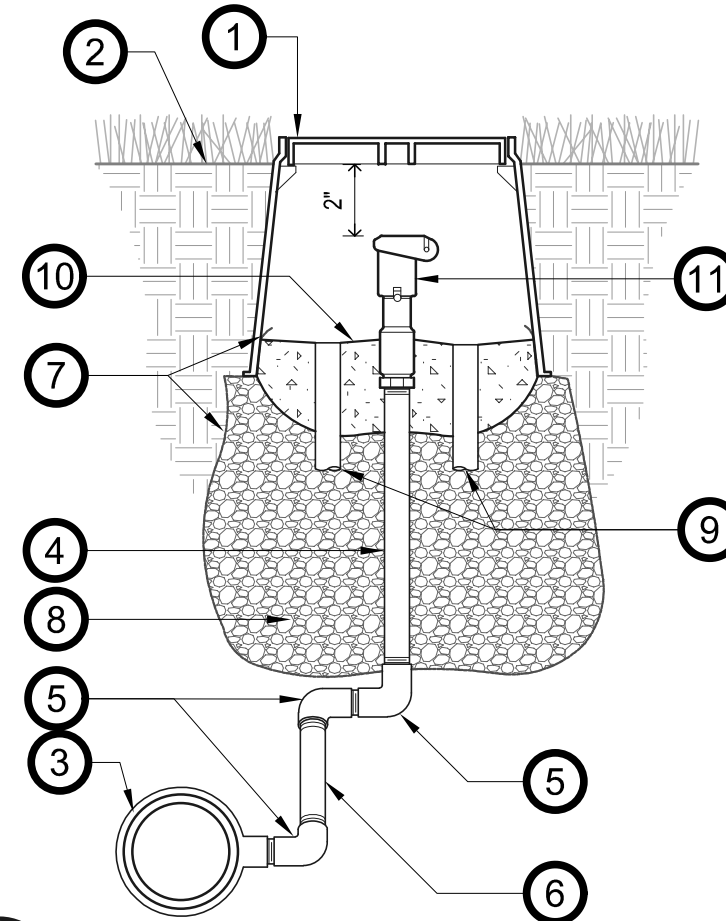
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- 1 BUBBLER NOZZLE, PER PLAN & SCHEDULE.
- 2 1/2" HIGH DENSITY POLYETHYLENE (MARLEX) STREET ELL
- 3 1/2" HIGH DENSITY POLYETHYLENE (MARLEX) MIPT x FFB (FUNNY PIPE BARB) ELBOW
- 4 1/2" POLYETHYLENE (FUNNY PIPE) FLEXIBLE PIPE MIN. 80 PSI (MAX. LENGTH 5 FEET)
- 5 LATERAL PIPE
- 6 TEE (SST) OR ELL (ST), INSTALL THREAD SIDE UP
- 7 BUBBLER WATERING UMBRELLA (APPROXIMATE)
- 8 TREE OR PALM
- 9 MULCH OR GROUND COVER
- 10 FINISH GRADE (TYPICAL)

5 ADJUSTABLE FLOOD BUBBLER

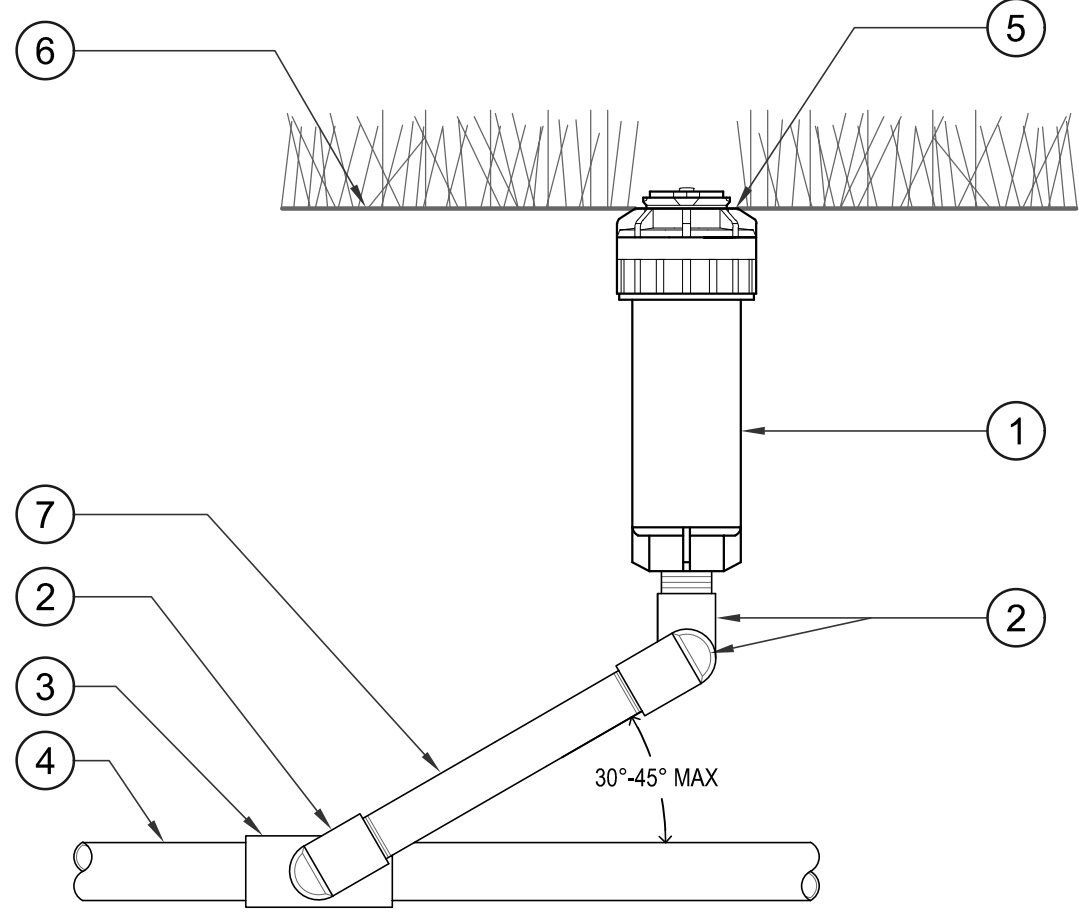
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- 1 VALVE BOX & COVER (CARSON 0910-10)
- 2 FINISH GRADE
- 3 MAIN LINE (TYP.) W/ PVC SCH 40 TEE OR ELL
- 4 PVC SCH 80 NIPPLE (LENGTH AS REQUIRED) - DO NOT INSTALL MALE ADAPTERS.
- 5 PVC SCH 40 STREET ELL
- 6 PVC SCH 80 NIPPLE (LENGTH AS REQUIRED) INSTALL ANGLED 30° TO 45° FROM MAIN LINE
- 7 FILTER FABRIC EXTEND ABOVE CONC.
- 8 3/4" GRAVEL WRAPPED IN FILTER FABRIC, MIN. 12" DEEP
- 9 PVC SCH 40 - 1" DRAIN PIPES, FLUSH WITH TOP OF CONCRETE
- 10 POURED CONCRETE MIN. 4" DEPTH. SLOPE CONCRETE SURFACE AWAY FROM VALVE AND TOWARDS DRAIN PIPES.
- 11 QUICK-COUPLING VALVE (PER SCHEDULE). ON 2 PIECE MODEL INSTALL UPPER PIECE OVER CONCRETE TO ALLOW FOR SERVICING UPON CONCRETE CURING.

1 1/2" = 1'-0"

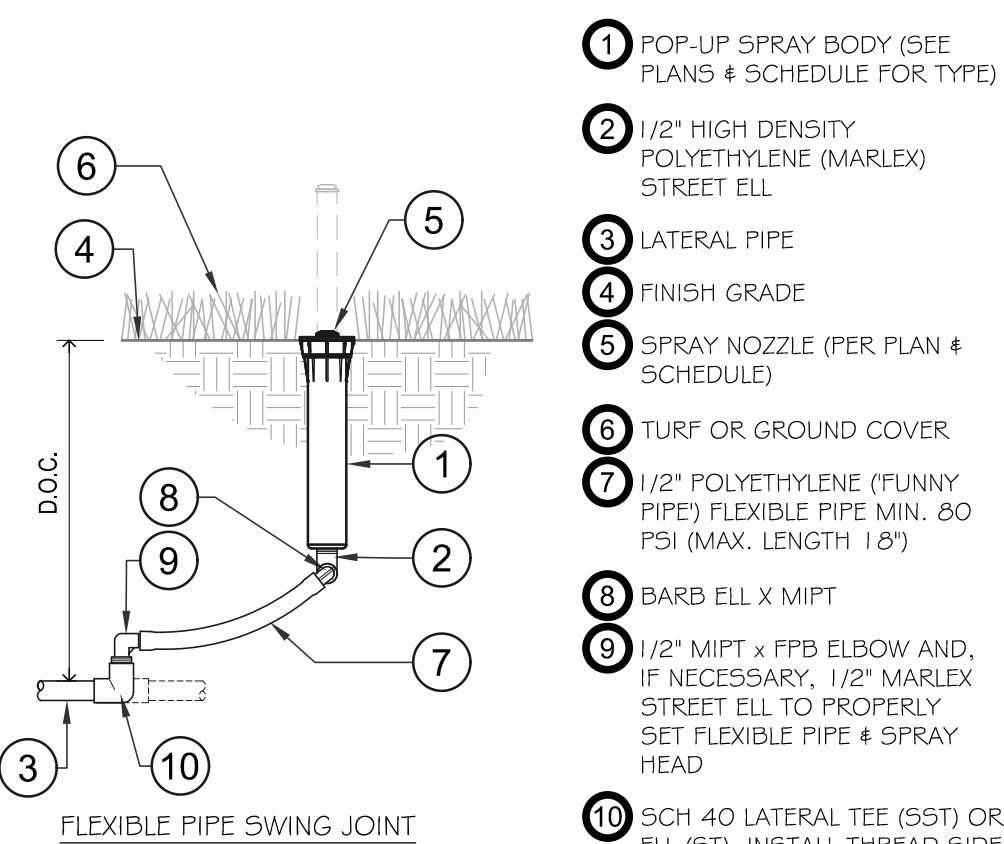
6 QUICK COUPLING DETAIL



7 3/4" TURF ROTOR DETAIL

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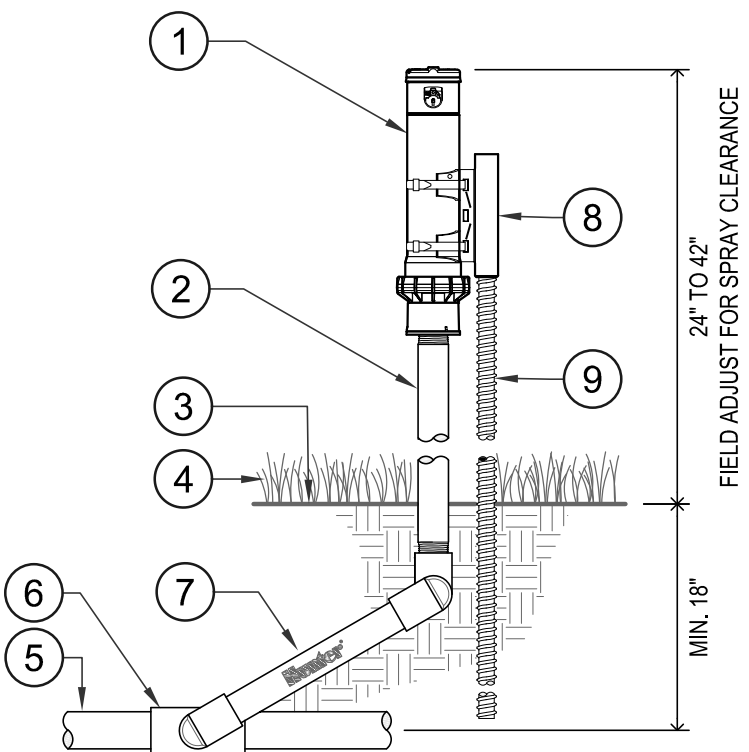
- 1 NEW OR RELOCATED ROTOR (ROTOR TYPE TO MATCH EXISTING ROTORS, NOZZLES BASED ON ANGLES)
- 2 3/4" HIGH DENSITY POLYETHYLENE (MARLEX) STREET ELL
- 3 SCH 40 LATERAL TEE (SST) OR ELL (ST), INSTALL THREAD OUTLET SIDEWAYS
- 4 LATERAL PIPE, PER PLAN
- 5 INSTALL FLUSH WITH FINISH GRADE
- 6 FINISH GRADE
- 7 3/4" SCH 80 NIPPLE (LENGTH AS REQUIRED)



9 4" & 6" POP-UP DETAIL

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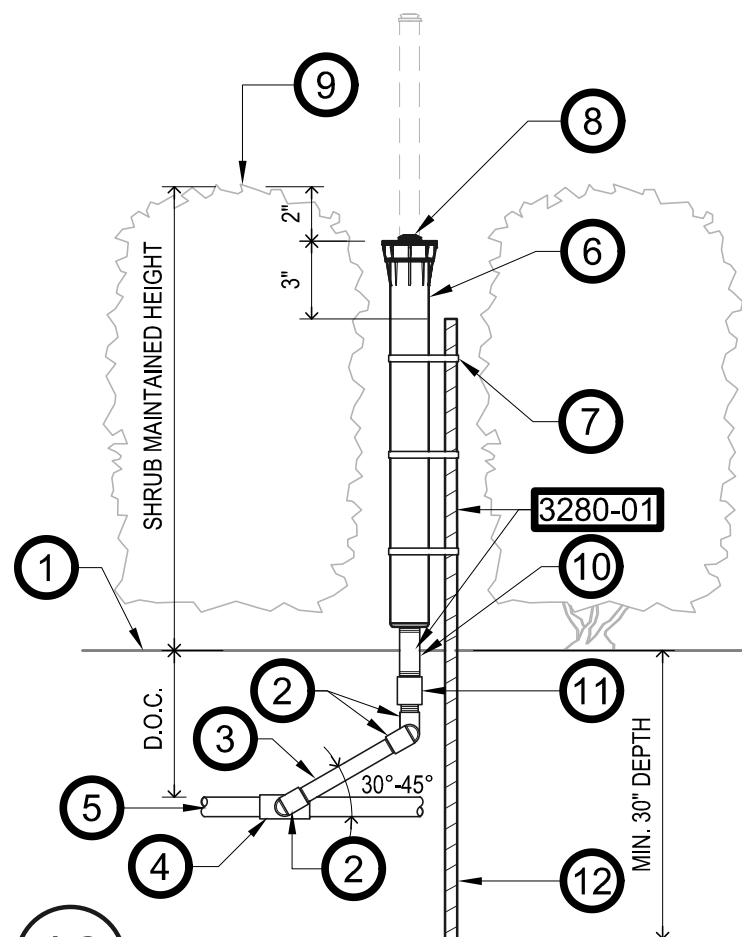
- 1 POP-UP SPRAY BODY (SEE PLANS & SCHEDULE FOR TYPE)
- 2 1/2" HIGH DENSITY POLYETHYLENE (MARLEX) STREET ELL
- 3 LATERAL PIPE
- 4 FINISH GRADE
- 5 SPRAY NOZZLE (PER PLAN & SCHEDULE)
- 6 TURF OR GROUND COVER
- 7 1/2" POLYETHYLENE (FUNNY PIPE) FLEXIBLE PIPE MIN. 80 PSI (MAX. LENGTH 18')
- 8 BARB ELL X MIPT
- 9 1/2" MIPT x FFB ELBOW AND, IF NECESSARY, 1/2" MARLEX STREET ELL TO PROPERLY SET FLEXIBLE PIPE & SPRAY HEAD
- 10 SCH 40 LATERAL TEE (SST) OR ELL (ST), INSTALL THREAD SIDE UP



8 SHRUB ROTOR ON RISER WITH SUB-GRADE LATERAL

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- 1 SHRUB ROTOR & NOZZLE PER PLAN
- 2 PVC SCH. 80 THREADED RISER
- 3 FINISHED GRADE TYP.
- 4 ADJACENT LANDSCAPE
- 5 LATERAL PER PLAN
- 6 LATERAL FITTING PER PLAN & SCHEDULE
- 7 PREMANUFACTURED SWING ARM (HUNTER HSJ OR APPROVED EQUAL)
- 8 HUNTER STAKING KIT
- 9 1/2" REBAR, LENGTH AS REQUIRED



10 SHRUB SPRAY ON FIXED RISER 12" POP-UP

- 1 FINISH GRADE
- 2 1/2" HIGH DENSITY POLYETHYLENE (MARLEX) STREET ELL
- 3 SCH 80 NIPPLE (LENGTH AS REQUIRED)
- 4 SCH 40 LATERAL TEE (SST) OR ELL (ST), INSTALL THREAD OUTLET SIDEWAYS
- 5 LATERAL PIPE
- 6 POP-UP SPRAY BODY (SEE PLANS & SCHEDULE FOR TYPE)
- 7 BLACK NYLON TIE STRAPS (TOTAL OF 3 PER RISER)
- 8 SPRAY NOZZLE (PER PLAN & SCHEDULE)
- 9 SHRUBS (REFER TO PLANTING PLAN & SCHEDULE FOR SHRUB MAINTAINED HEIGHT)
- 10 PVC UVR ("BROWNLINER") SCH 80 NIPPLE (LENGTH AS REQUIRED)
- 11 SCH 40 THREADED COUPLER
- 12 #3 REBAR (LENGTH AS REQUIRED)

NOTE: CONTRACTOR SHALL PROVIDE MANUFACTURER'S CUT SHEETS IF USING PRE-MANUFACTURED SWING JOINTS, FOR APPROVAL PRIOR TO ORDERING.

1 1/2" = 1'-0"

Michael D Conner

Digitally signed by Michael D Conner
Date: 2024.07.17 12:05:52 -04'00'

MINOR SITE PLAN SUBMITTAL
ELEVATIONS SHOWN ARE 10' A.D. 88



DRC

PZ24-12000017
09/04/2024

Calvin, Giordano & Associates, Inc.
A SAFEbuilt COMPANY
580 Village Blvd., Suite 325, West Palm Beach, FL 33409
Phone: 561.684.6061 • Fax: 561.684.6360

BLOSSMAN GAS COMPANY
261 S. ANDREWS AVENUE
POMPAÑO BEACH, FL 33069

IRRIGATION DETAILS

MICHAEL CONNER, R.L.A.
STATE OF FLORIDA REGISTERED LANDSCAPE ARCHITECT
LICENSE No.1181

DATE: 07/02/2024

PROJECT No. PZ24-12000017
DATE: 07/02/2024