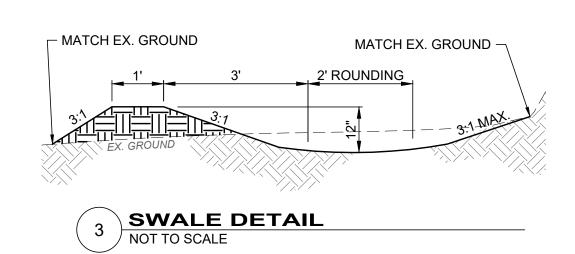
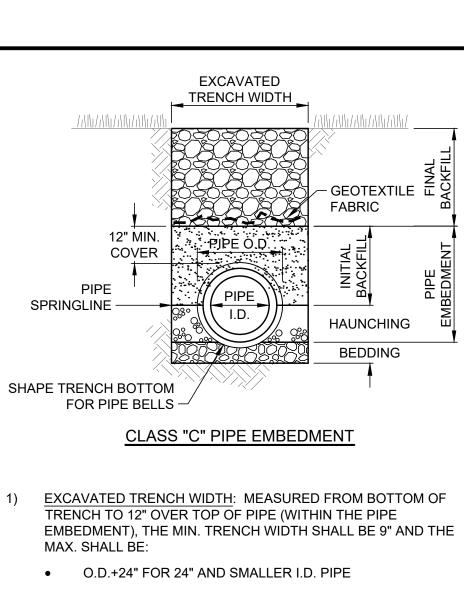


NOT TO SCALE

/ NOT TO SCALE





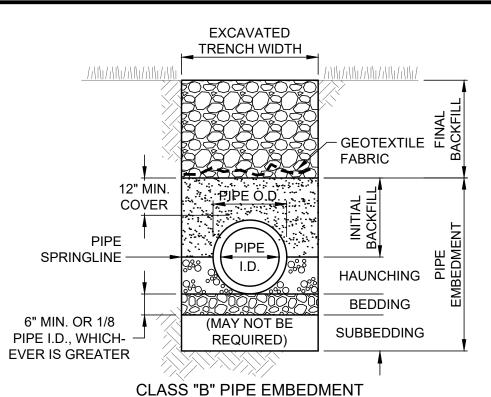
- O.D.+30" FOR 27" THRU 72" I.D. PIPE
- O.D.+48" FOR 84" AND LARGER I.D. PIPE
- FINAL BACKFILL: ALL AREAS UNDER PAVEMENT, STRUCTURES OR WITHIN THE ZONE OF INFLUENCE SHALL BE PREMIUM BACKFILL (ODOT ITEM 304 LIMESTONE). PAVEMENT INCLUDES ROADWAY, SHOULDER AND DRIVEWAY, BUT NOT SIDEWALK. NO SLAG OR SLACKER AGGREGATES ALLOWED. IN ALL OTHER AREAS, THE FINAL BACKFILL SHALL BE SUITABLE ON-SITE MATERIAL.
- PIPE EMBEDMENT:

CLASS "A": SHALL BE USED FOR ALL PIPES UNDER PAVEMENT OR STRUCTURES WITH LESS THAN 12" OF PIPE COVER TO THE SUBGRADE. THE CONCRETE CRADLE SHALL BE IN ACCORDANCE WITH ODOT ITEM 499, CLASS QC-1. THE INITIAL BACKFILL SHALL BE NO. 57 COURSE INTERLOCKING LIMESTONE AGGREGATE.

CLASS "B": SHALL BE USED FOR ALL PIPES UNLESS OTHERWISE NOTED ON THE PLANS. BEDDING AND HAUNCHING SHALL BE NO. 8 OR 57 COURSE INTERLOCKING LIMESTONE AGGREGATE. IN AREAS UNDER PAVEMENT, STRUCTURES OR WITHIN THE ZONE OF INFLUENCE, THE INITIAL BACKFILL SHALL BE NO. 8 OR 57 COURSE INTERLOCKING LIMESTONE AGGREGATE. IN ALL OTHER AREAS, THE INITIAL BACKFILL MAY BE SUITABLE ON-SITE MATERIAL FOR RIGID PIPE, AND SHALL BE NO. 8 OR 57 COURSE INTERLOCKING LIMESTONE AGGREGATE FOR FLEXIBLE PIPE.

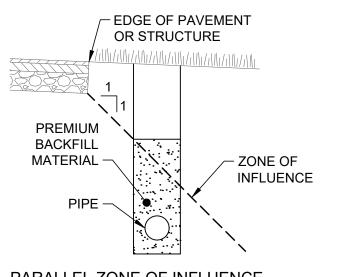
CLASS "C": SHALL BE USED ONLY FOR DUCTILE IRON WATER MAIN OR FORCE MAIN. THE PIPE EMBEDMENT SHALL BE NO. 8 OR 57 COURSE INTERLOCKING LIMESTONE AGGREGATE IN ALL AREAS UNDER PAVEMENT, STRUCTURES OR WITHIN THE ZONE OF INFLUENCE. IN ALL OTHER AREAS, THE PIPE EMBEDMENT SHALL BE SUITABLE ON-SITE MATERIAL. BEDDING IS NOT REQUIRED. WHERE ROCK OR SHALE IS ENCOUNTERED, BEDDING SHALL BE 6" MIN. OF NO. 8 OR 57 COURSE INTERLOCKING LIMESTONE AGGREGATE OR SAND.

- SUBBEDDING: WHERE AN UNSTABLE TRENCH BOTTOM CONDITION IS ENCOUNTERED, EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH MATERIAL AS DIRECTED BY THE ENGINEER.
- GEOTEXTILE FABRIC SHALL BE PER ODOT 712.09, TYPE A, AND INSTALLED AFTER ALL INITIAL BACKFILL.
- CLAY TRENCH DAMS SHALL BE REQUIRED AS SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER.

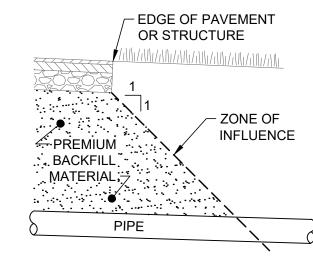


## EXCAVATED TRENCH WIDTH SUBBASE LESS THAN PIPE O.D. 12" COVER / PIPE CONCRETE CRADLE (IF REQUIRED) **SUBBEDDING** 6" MIN.-

## **CLASS "A" PIPE EMBEDMENT**

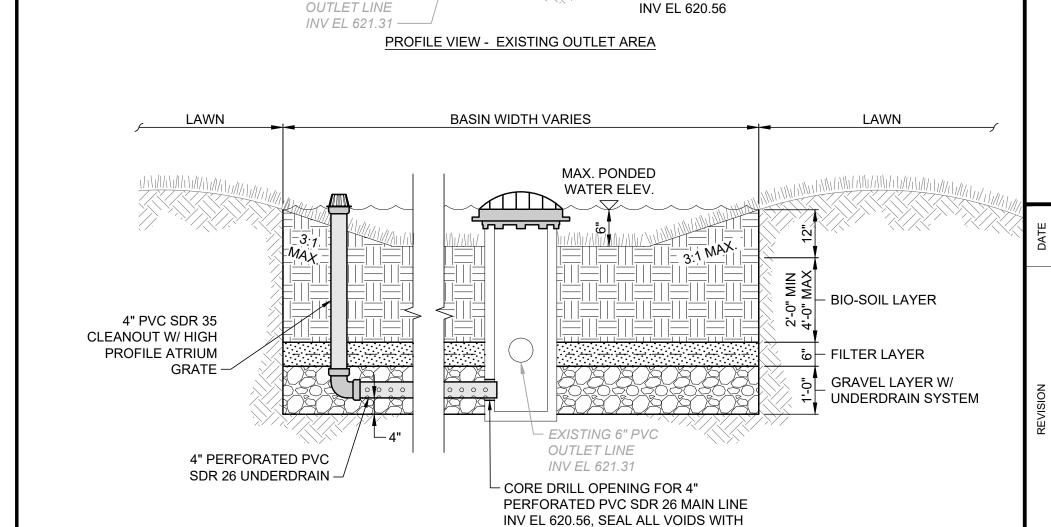


## PARALLEL ZONE OF INFLUENCE



TRANSVERSE ZONE OF INFLUENCE

TRENCHING, EMBEDMENT AND BACKFILL DETAIL NOT TO SCALE



**NON-SHRINK GROUT** 

BASIN LENGTH VARIES

MAX. PONDED

WATER ELEV.

EXISTING 6" PVC

NEW HIGH PROFILE BEEHIVE GRATE

T/EL 625.21

- EXISTING CATCH BASIN

SDR 26 MAIN LINE

≚ 4" PERFORATED PVC ∟3"

**BIO-SOIL LAYER** 

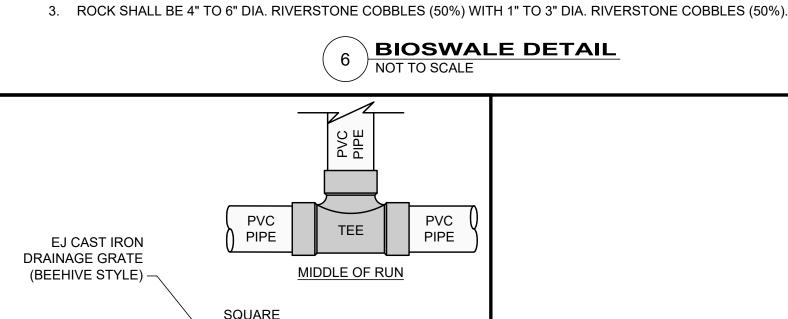
FILTER LAYER

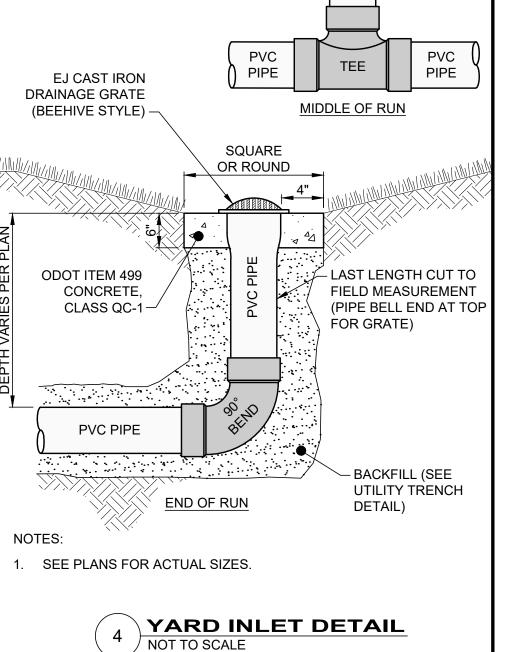
**GRAVEL LAYER** 

- W/UNDERDRAIN

## **SECTION VIEW**

- THIS DETAIL IS FOR REFERENCE AND DIMENSION CONTROL ONLY; NOT ALL ITEMS SHOWN MAY APPLY. SEE VARIOUS PLAN SHEETS FOR ACTUAL CONFIGURATION, CONTOURS, INLET BASIN AND PIPE SIZES, QUANTITIES, ELEVATIONS, PIPE SLOPES AND LANDSCAPING PLACEMENT.
- 2. PAINT ALL PVC APPURTENANCES EXTRUDING FROM THE GROUND SURFACE BLACK (E.G. NYLOPLAST INLET BASIN, RISER PIPE, CLEANOUT CAP, ETC.).





LAWN VARIES

(3'-0" MIN.)

EXISTING 6" PVC

OUTLET LINE -

OUTLET PIPE INVERT

MUST BE AT OR BELOW

TOP OF GRAVEL LAYER

PROJECT NO. 19023301 DISCIPLINE **GENERAL** SHEET NAME

10G-01

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