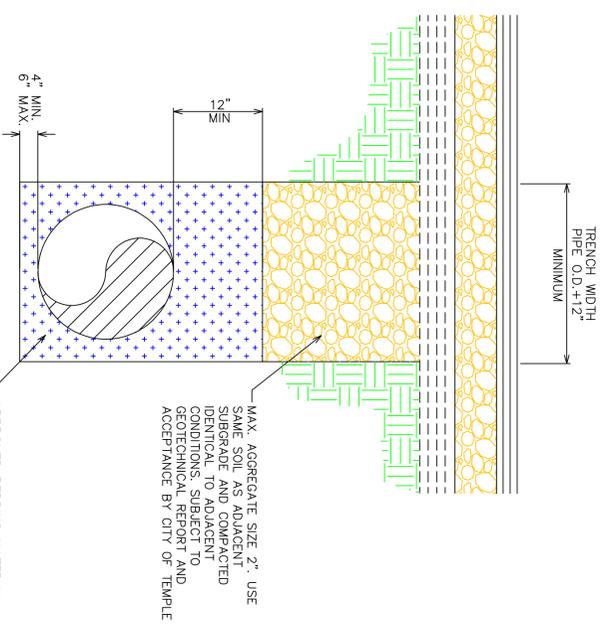
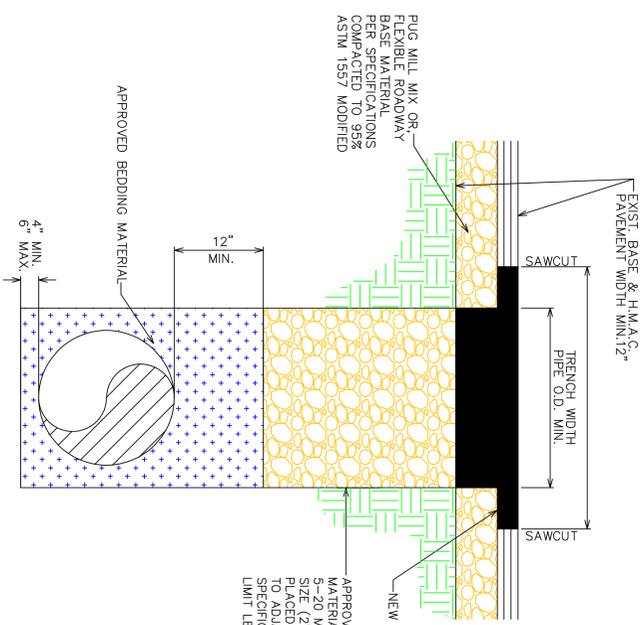
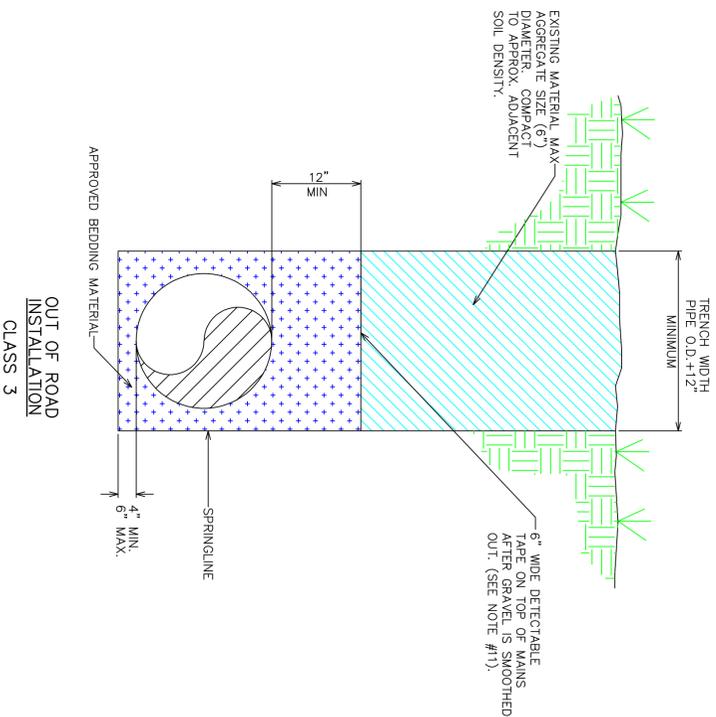


ROADWAY = ROAD B/C TO B/C +4"
IN EACH DIRECTION



CONSTRUCTION IN EXISTING ROADWAY CLASS 1

CONSTRUCTION IN PROPOSED FUTURE ROADWAY CLASS 2



OUT OF ROAD INSTALLATION CLASS 3

BEDDING MATERIAL SPECIFICATIONS:

- ALL AGGREGATES SHALL BE CLEAN AND DURABLE PARTICLES OF NATURAL OR MANUFACTURED MATERIAL.
- CLEAN, WASHED SAND SHALL CONFORM TO THE FOLLOWING GRADATION:

SEIVE	% PASS
3/8"	100
No. 4	95-100
No. 16	50-85
No. 200	0-5
- WASHED OR SCREENED GRAVEL SHALL CONFORM TO THE FOLLOWING GRADATION:

SEIVE	% PASS
1/2"	100
3/8"	80-100
No. 4	15-70
No. 10	0-10
- WHERE GROUNDWATER IS ENCOUNTERED, GRAVEL SHALL BE USED FOR BEDDING MATERIAL.
- BEDDING MATERIAL SHALL BE PLACED AND CONSOLIDATED TO ELIMINATE VOIDS.
- MANUFACTURERS RECOMMENDATIONS FOR BEDDING MATERIALS SHALL BE CONSIDERED WHERE STRUCTURAL INTEGRITY IS REQUIRED.
- WASTEWATER LINES REQUIRE GRAVEL TO BE USED AS BEDDING MATERIAL.

- NOTES:**
- SAW CUT TO REPAIR ASPHALT OR CONCRETE PAVEMENT AND PRIOR TO OPENING THE DITCH.
 - THE EMBEDMENT CONSISTS OF WASHED GRAVEL.
 - TRENCH WIDTHS SHOWN ARE MINIMUM FOR PROPER PLACEMENT AND COMPACTION OF EMBEDMENT.
 - THE MINIMUM CLEAR WIDTH OF TRENCH (SHEETED OR UNSHEETED) MEASURED AT SPRINGLINE OF PIPE SHALL BE 12" GREATER THAN THE OUTSIDE DIAMETER OF THE PIPE.
 - WHERE PIPE INSTALLATION IS IN ROCK (OR OTHER INCOMPRESSIBLE FOUNDATION), THE CONTRACTOR SHALL EXCAVATE SO AS TO PROVIDE A MINIMUM OF 8" GRANULAR FOUNDATION BENEATH THE PIPE.
 - IF EXCAVATED MATERIAL IS NOT ACCEPTABLE TO THE ENGINEER FOR BACKFILL, CONTRACTOR WILL INSURE SUPPORT THROUGHOUT THEIR LENGTH. BELLED JOINTS SHALL HAVE A MINIMUM OF 2" OF FILL BENEATH THEM.
 - CONTRACTOR SHALL SHAPE EMBEDMENT MATERIAL TO ACCOMMODATE THE BELLED JOINTS OF PIPES TO INSURE SUPPORT THROUGHOUT THEIR LENGTH. BELLED JOINTS SHALL HAVE A MINIMUM OF 2" OF FILL BENEATH THEM.
 - IF EXCAVATED MATERIAL IS NOT ACCEPTABLE TO THE ENGINEER FOR BACKFILL, CONTRACTOR WILL PROVIDE SELECT MATERIAL AS REQUIRED.
 - FOR TRENCHING, BEDDING, AND BACKFILL, SEE TOC CHAPTER 317.2 "BEDDING".
 - FOR ROCK AND OTHER CONDITIONS NOT SPECIFIED HERE, REFER TO ENGINEER FOR BACKFILL DESIGN.
 - GREEN TAPE TO BE USED FOR WASTEWATER MAINS, BLUE TAPE TO BE USED FOR WATER MAINS.
 - ACCEPTANCE BY CITY OF TEMPLE



CITY OF TEMPLE ENGINEERING DEPARTMENT

SERVICE CENTER 3210 E. AVE. H, BLD. A TEMPLE, TX 76501
 FILE APPROVED BY DRAWN BY DSAB APPROVAL DATE SCALE
 MASTERS&WASTEWATER/PVC EMBEDMENT&BACKFILL.dwg MICHAEL C. NEWMAN, P.E. CHRIS PEAL 24 SEPT 2008 N.T.S.

WATER & WASTEWATER PVC PIPE EMBEDMENT AND BACKFILL DETAILS

MODIFICATIONS TO THE CITY OF TEMPLE STANDARD DETAIL SHEETS ARE NOT ALLOWED. ANY EXCEPTIONS TO STANDARD DETAILS SHALL BE MADE ON SEPARATE SHEETS AND SUBMITTED FOR REVIEW WITH THE PLANS. ALL EXCEPTIONS SHALL CLEARLY NOTE THE SECTIONS AND DETAILS THEY WILL REPLACE. FAILURE TO NOTE EXCEPTIONS WILL VOID SUCH CHANGES AND THE CITY OF TEMPLE STANDARD DETAILS SHALL GOVERN.
 AN ENGINEER USING STANDARD DETAILS PUBLISHED BY THE CITY OF TEMPLE IS RESPONSIBLE FOR SEALING THE DOCUMENTS IN ACCORDANCE WITH THE RULES OF THE STATE OF TEXAS PROFESSIONAL ENGINEERS REGISTRATION BOARD.