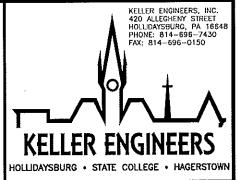
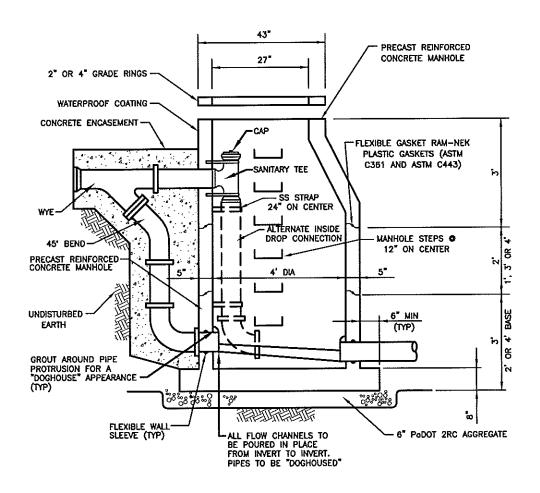


STANDARD DETAILS MANHOLE

BLAIR TOWNSHIP WATER AND SEWER AUTHORITY RULES, REGULATIONS AND POLICY

377 CEDARCREST DRIVE DUNCANSVILLE, PA 16635 OFFICE: (814) 695-6300 FAX: (814) 696-5757 TTY/TDD ONLY: 1-800-654-5984

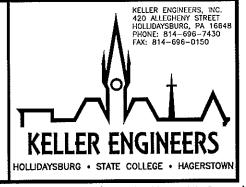


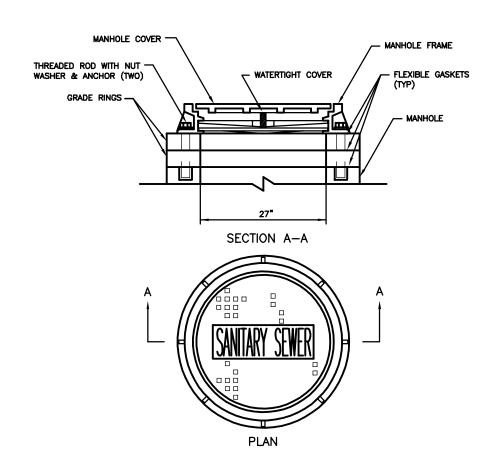


STANDARD DETAILS DROP MANHOLE

BLAIR TOWNSHIP WATER AND SEWER AUTHORITY RULES, REGULATIONS AND POLICY

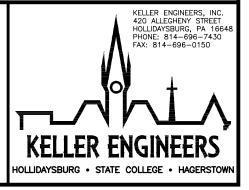
377 CEDARCREST DRIVE DUNCANSVILLE, PA 16635 OFFICE: (814) 695-6300 FAX: (814) 696-5757 TTY/TDD ONLY: 1-800-654-5984

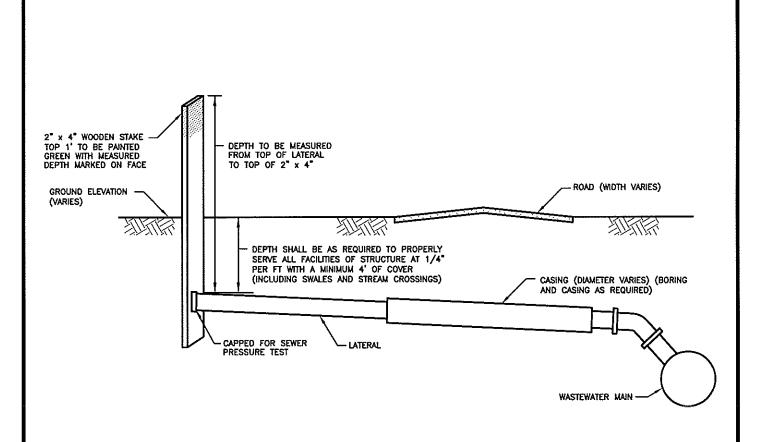




STANDARD DETAILS MANHOLE FRAME AND COVER BLAIR TOWNSHIP WATER AND SEWER AUTHORITY RULES, REGULATIONS AND POLICY

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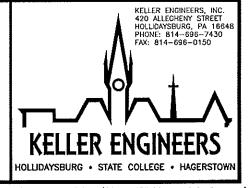


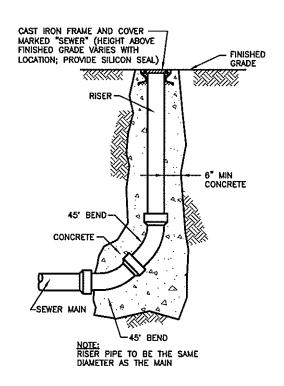


STANDARD DETAILS SEWER SERVICE LATERAL

BLAIR TOWNSHIP WATER AND SEWER AUTHORITY RULES, REGULATIONS AND POLICY

377 CEDARCREST DRIVE DUNCANSVILLE, PA 16635 OFFICE: (814) 695-6300 FAX: (814) 696-5757 TTY/TDD ONLY: 1-800-654-5984

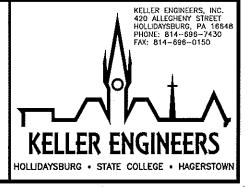


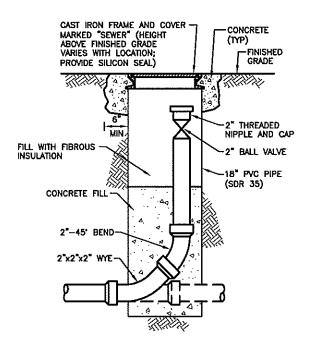


STANDARD DETAILS CLEANOUT

BLAIR TOWNSHIP WATER AND SEWER AUTHORITY RULES, REGULATIONS AND POLICY

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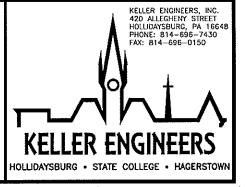


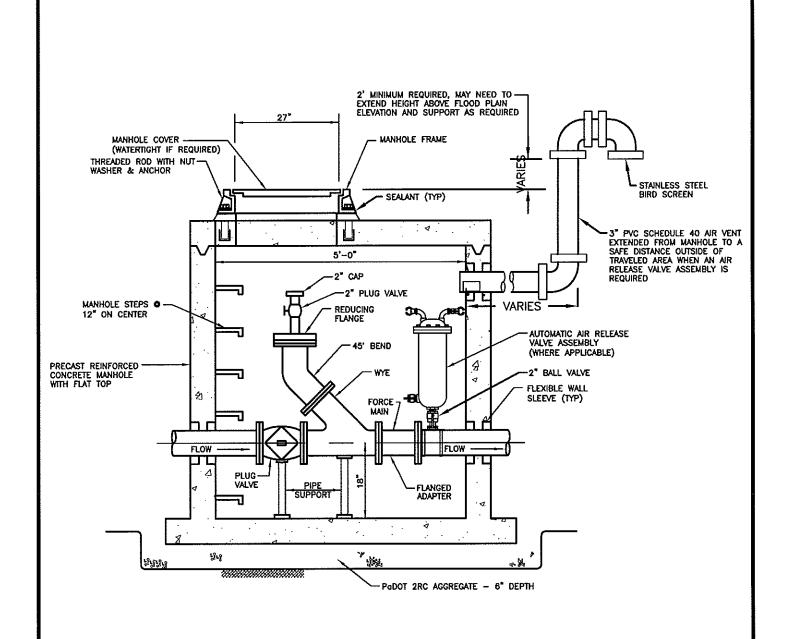


STANDARD DETAILS PRESSURE CLEANOUT

BLAIR TOWNSHIP WATER AND SEWER AUTHORITY RULES, REGULATIONS AND POLICY

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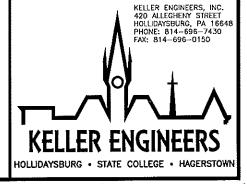


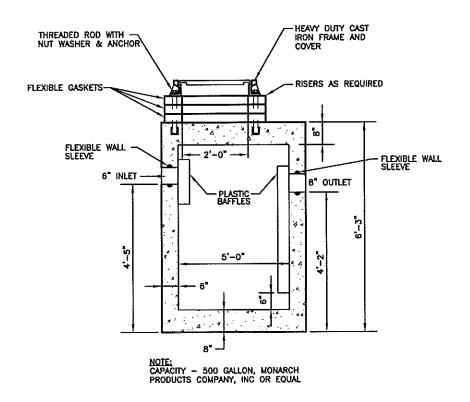


STANDARD DETAILS FORCE MAIN CLEANOUT

BLAIR TOWNSHIP WATER AND SEWER AUTHORITY RULES, REGULATIONS AND POLICY

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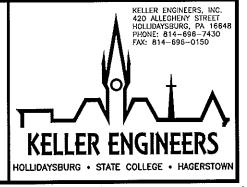


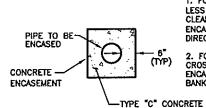


STANDARD DETAILS GREASE AND OIL INTERCEPTOR

BLAIR TOWNSHIP WATER AND SEWER AUTHORITY RULES, REGULATIONS AND POLICY

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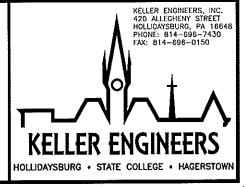
NOTES: 1. FOR UTILITY CROSSING WITH LESS THAN 18" OF VERTICAL CLEARING: EXTEND CONCRETE ENCASEMENT 4.5' IN BOTH DIRECTIONS FROM CROSSING

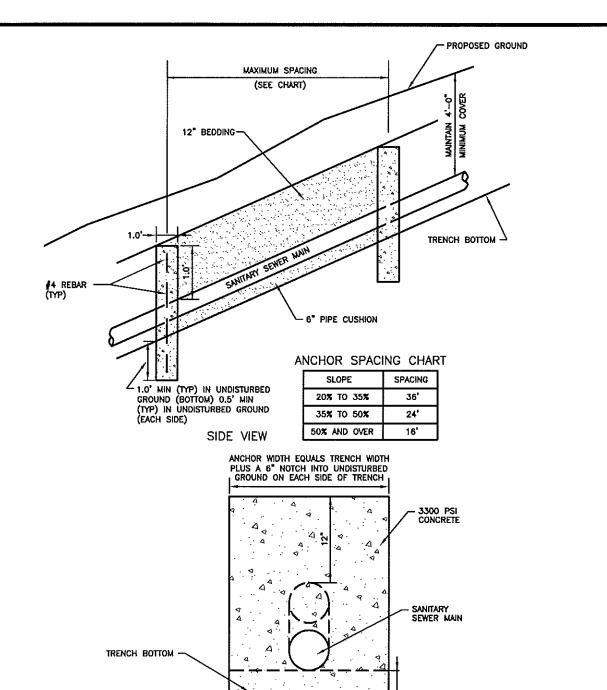
2. FOR MINOR STREAM CROSSINGS: EXTEND CONCRETE ENCASEMENT TO BOTH STREAM PANYS

STANDARD DETAILS CONCRETE ENCASEMENT

BLAIR TOWNSHIP WATER AND SEWER AUTHORITY RULES, REGULATIONS AND POLICY

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END VIEW

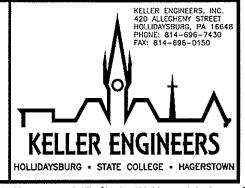
6" PIPE CUSHION

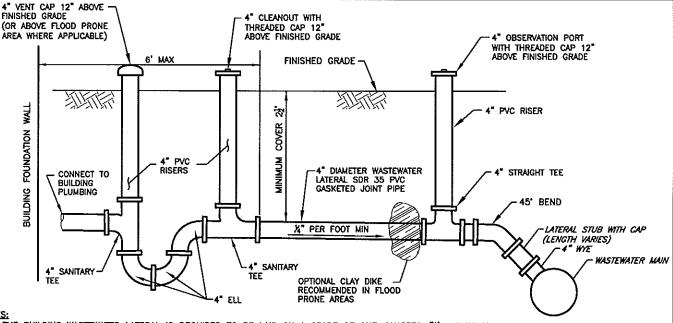
STANDARD DETAILS CONCRETE PIPE ANCHOR

12" IN ——— UNDISTURBED GROUND

BLAIR TOWNSHIP WATER AND SEWER AUTHORITY RULES, REGULATIONS AND POLICY

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NOTES:

- THE BUILDING WASTEWATER LATERAL IS REQUIRED TO BE LAID ON A GRADE OF ONE-QUARTER (%) OF AN INCH
 OR GREATER PER FOOT FROM BUILDING FOUNDATION WALL TO OBSERVATION PORT.
- 2. THE WASTEWATER LINE, AS COMPLETED, SHALL BE A MINIMUM OF 2½ FEET BELOW THE GROUND SURFACE, UNLESS A LESSER DEPTH IS APPROVED BY THE AUTHORITY.
- 3. WASTEWATER VENT PIPE WILL BE REQUIRED WITHIN FIVE (5) FEET OF THE BUILDING FOUNDATION AND EXTENDING NO LESS THAN (12) INCHES ABOVE THE GROUND OR HIGH ENOUGH ABOVE A FLOOD PRONE AREA WHERE APPLICABLE, IF NOT IN A WET AREA, HOMEOWNER MAY USE A STEEL CASTING OVER PLASTIC PIPE AND KEEP IT AT GROUND

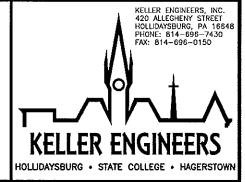
 LEVEL, THE STEEL CASTING WILL BE AT HOMEOWNER'S EXPENSE. IT MAY ONLY BE AT GROUND LEVEL IF A STEEL CASTING IS USED.
- 4. AFTER THE VENT PIPE, A TRAP CONSISTING OF TWO (2) NINETY (90) DEGREE BENDS MUST BE INSTALLED.
- 5. IMMEDIATELY FOLLOWING THE TRAP, A CLEANOUT IS TO BE INSTALLED AS ILLUSTRATED IN THE ABOVE DIAGRAM. THE OBSERVATION PORT MUST BE INSTALLED AS ILLUSTRATED IN THE ABOVE DIAGRAM.
- 6. IT IS REQUIRED THAT PADOT 2B STONE IS TO BE USED SIX (6) INCHES ABOVE, BELOW AND BESIDE THE LATERAL PIPE—THE ENTIRE LENGTH OF LATERAL FROM THE BUILDING FOUNDATION WALL TO THE WASTEWATER MAIN.
- 7. NO FOUNDATION, YARD, ROOF DRAIN OR ANY OTHER CONNECTIONS PERMITTING ANYTHING OTHER THAN SANITARY SEWAGE (AS DEFINED BY AUTHORITY REGULATIONS) SHALL BE DISCHARGED TO THE SANITARY SEWER.
- 8. IT IS REQUIRED THAT A CLEANOUT BE INSTALLED EVERY 100' ALONG LATERAL AND AT BENDS IN LINE.
- NO CONNECTIONS TO BE MADE TO CLAY PIPE; SDR 35, HDPE DR 11 OR DUCTILE/CAST IRON TO EXTEND THROUGH ENTIRE FOUNDATION WALL.
- HDPE DR 11 PIPE MAY BE USED IN LIEU OF SDR 35 FOR BORINGS; HOWEVER, ALL FITTINGS, VENTS, TRAPS, CLEANOUTS AND OBSERVATION PORTS ARE TO BE SDR 35; STONE BEDDING REQUIRED FOR ALL SDR 35 APPLICATIONS.
- 11. TRANSITIONS FROM HDPE TO SDR 35 SHALL BE POLYCAM SERIES 731, 316 STAINLESS STEEL OR EQUAL.
- 12. ENTIRE TRENCH TO REMAIN OPEN FOR INSPECTION. PIPE AND FITTINGS MAY BE CONNECTED AND STONE BEDDING (UNDERNEATH PIPE ONLY)
 SHALL BE LAID; HOWEVER, BACKFILLING OF TRENCH IS NOT PERMITTED UNTIL PROPER INSPECTION BY THE AUTHORITY'S DESIGNATED INSPECTOR.
- 13. NO CONNECTIONS TO HOUSE OR THE LATERAL STUB PROVIDED BY THE AUTHORITY ARE TO BE MADE PRIOR TO THE APPROVAL OF THE INSPECTOR.
- 14. THE AUTHORITY REQUIRES LINE TO BE AIR TESTED AT FIVE (5) POUNDS OF PRESSURE FOR A MINIMUM OF FIVE (5) MINUTES.
- 15. NEW TAP LOCATIONS ARE TO BE GPS LOCATED AS DEFINED BY THE AUTHORITY' REGULATIONS.
- 16. IF YOU ARE CURRENTLY USING A SEPTIC TANK, YOU WILL NEED TO PROVIDE A RECEIPT SHOWING THAT YOUR CURRENT SEPTIC TANK HAS BEEN PUMPED OUT; THEN THE TANK IS TO BE CRUSHED OR FILLED WITH STONE (IN ACCORDANCE WITH TOWNSHIP ORDINANCE)

STANDARD DETAILS SEWER BUILDING CONNECTION

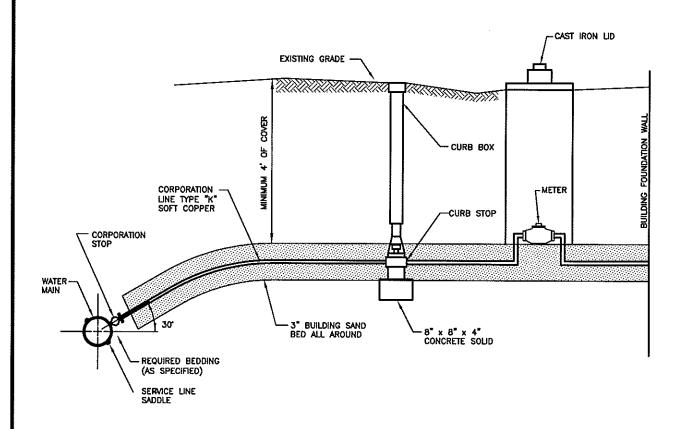
BLAIR TOWNSHIP WATER AND SEWER AUTHORITY RULES, REGULATIONS AND POLICY

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BLAIR TOWNSHIP, BLAIR COUNTY PENNSYLVANIA



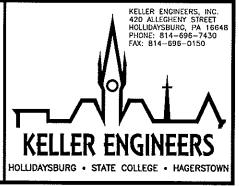
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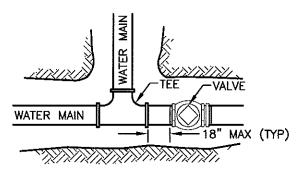


STANDARD DETAILS WATER CONNECTION

BLAIR TOWNSHIP WATER AND SEWER AUTHORITY RULES, REGULATIONS AND POLICY

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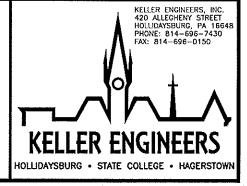


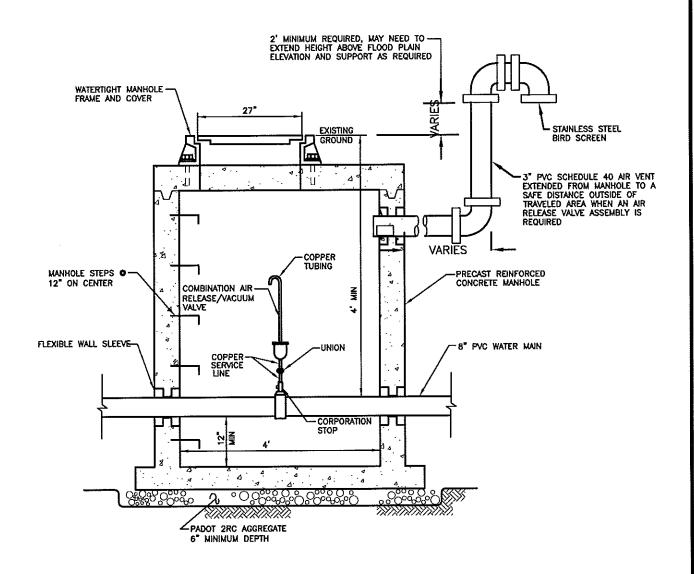
NOTE: TEES AND VALVES PLACED IN SUCCESSION SHALL BE SEPARATED BY NO MORE THAN 18"

STANDARD DETAILS VALVE PLACEMENT

BLAIR TOWNSHIP WATER AND SEWER AUTHORITY RULES, REGULATIONS AND POLICY

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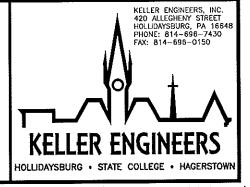


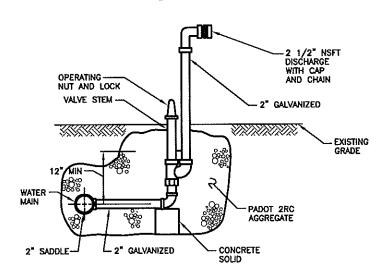


STANDARD DETAILS AIR VALVE ASSEMBLY

BLAIR TOWNSHIP WATER AND SEWER AUTHORITY RULES, REGULATIONS AND POLICY

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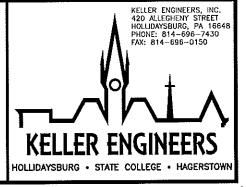


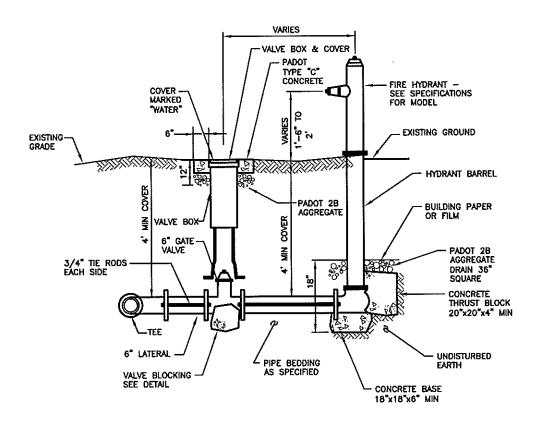


STANDARD DETAILS BLOWOFF HYDRANT

BLAIR TOWNSHIP WATER AND SEWER AUTHORITY RULES, REGULATIONS AND POLICY

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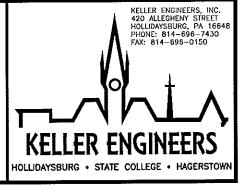


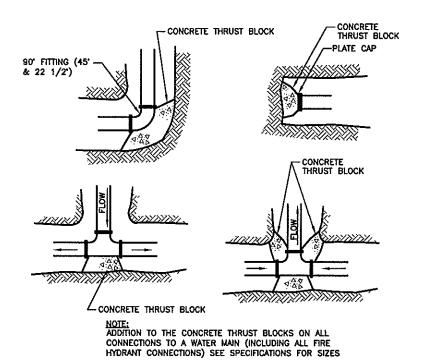


STANDARD DETAILS FIRE HYDRANT ASSEMBLY

BLAIR TOWNSHIP WATER AND SEWER AUTHORITY RULES, REGULATIONS AND POLICY

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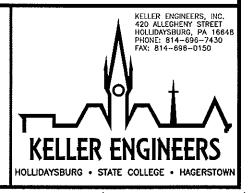


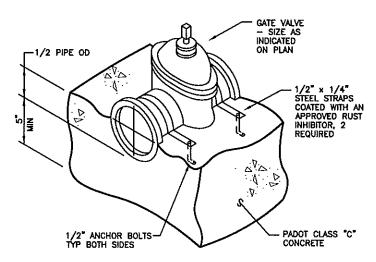


STANDARD DETAILS THRUST BLOCK

BLAIR TOWNSHIP WATER AND SEWER AUTHORITY RULES, REGULATIONS AND POLICY

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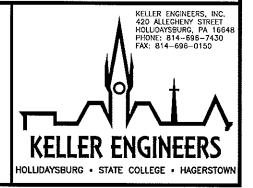


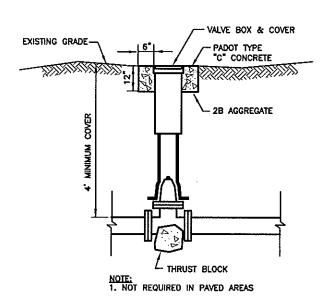
NOTE: CONCRETE NOT TO COVER BOLTS ON TOP OF STRAPS

STANDARD DETAILS VALVE BLOCKING

BLAIR TOWNSHIP WATER AND SEWER AUTHORITY RULES, REGULATIONS AND POLICY

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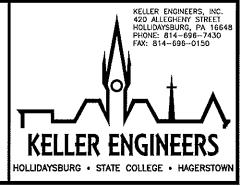


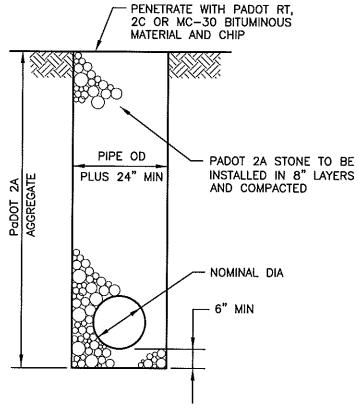


STANDARD DETAILS CONCRETE PAD FOR VALVE BOX

BLAIR TOWNSHIP WATER AND SEWER AUTHORITY RULES, REGULATIONS AND POLICY

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NOTE:

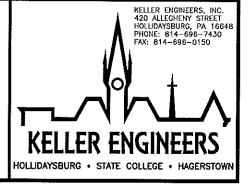
- 1. TRENCH WALLS TO BE VERTICAL TO A DEPTH OF AT LEAST 12" ABOVE TOP OF PIPE.
- 2. PIPE OD PLUS 30" MIN ON PIPE LARGER THAN 48"

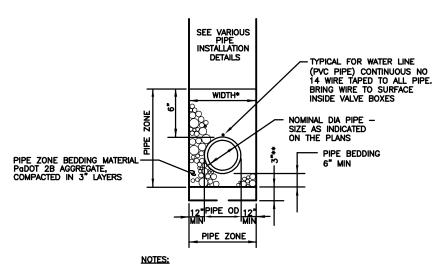
STANDARD DETAILS PIPE INSTALLATION IN STATE ROADWAY SHOULDER

BLAIR TOWNSHIP WATER AND SEWER AUTHORITY

RULES, REGULATIONS AND POLICY 377 CEDARCREST DRIVE DUNCANSVILLE, PA 16635 OFFICE: (814) 695-6300 FAX: (814) 696-5757

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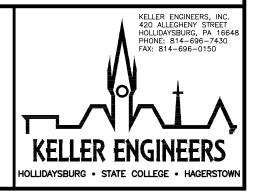


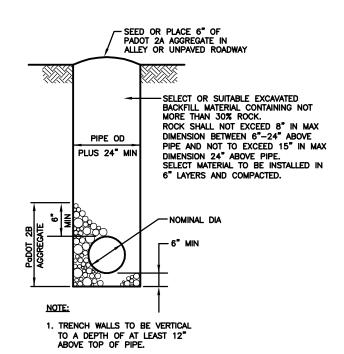
- TRENCH WALLS TO BE VERTICAL TO A DEPTH OF AT LEAST 12" ABOVE TOP OF PIPE.
- 2. * WIDTH DETERMINED BY PIPE INSTALLATION APPLICATION.
- 3. ** OVER-EXCAVATE TRENCH ADDITIONAL 3" IF ROCK, HARD SHALE, OR UN-YIELDING MATERIAL ENCOUNTERED BACKFILL WITH SPECIFIED BEDDING MATERIAL.

STANDARD DETAILS PIPE BEDDING

BLAIR TOWNSHIP WATER AND SEWER AUTHORITY RULES, REGULATIONS AND POLICY

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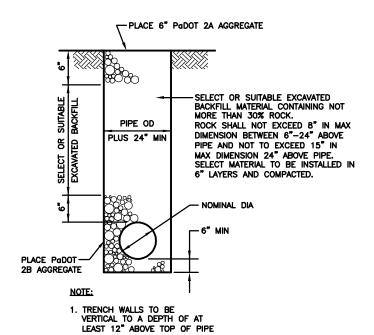


STANDARD DETAILS PIPE INSTALLATION IN UNPAVED SURFACE BLAIR TOWNSHIP WATER AND SEWER AUTHORITY RULES, REGULATIONS AND POLICY

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PENNSYLVANIA

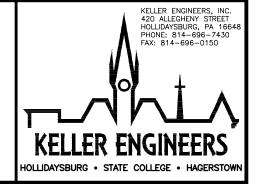
KELLER ENGINEERS, INC.
420 ALLECHENY STREET
HOLLIDAYSBURG, PA 16648
PHONE: 814-696-7430
FAX: 814-696-0150

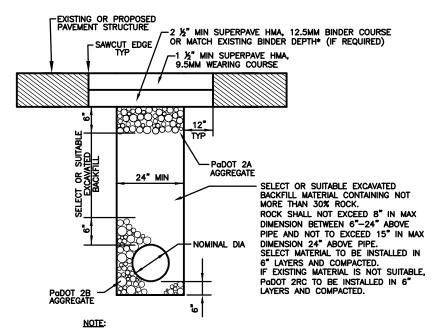
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STANDARD DETAILS PIPE INSTALLATION IN MUNICIPAL ROAD SHOULDER BLAIR TOWNSHIP WATER AND SEWER AUTHORITY RULES, REGULATIONS AND POLICY

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BLAIR TOWNSHIP, BLAIR COUNTY
PENNSYLVANIA





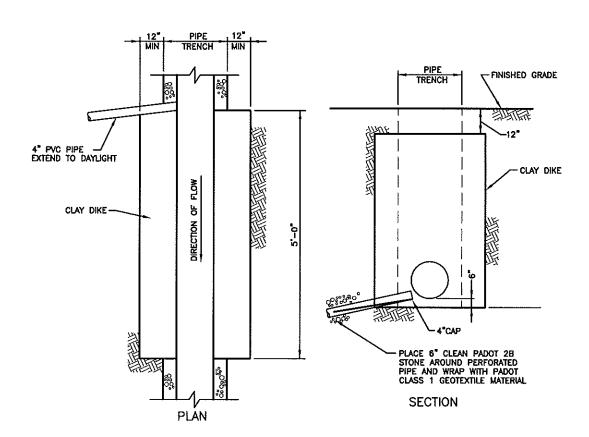
- 1. TRENCH WALLS TO BE VERTICAL TO A DEPTH OF AT LEAST 12" ABOVE TOP OF PIPE.
- 2. SUPERPAVE ESAL RATING AND SRL TO BE MINIMUM REQUIRED FOR EACH MUNICIPAL ROAD AS PER PENNDOT STANDARDS.

STANDARD DETAILS PIPE INSTALLATION IN MUNICIPAL ROADWAY BLAIR TOWNSHIP WATER AND SEWER AUTHORITY RULES, REGULATIONS AND POLICY

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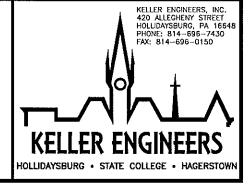
KELLER ENGINEERS, INC.

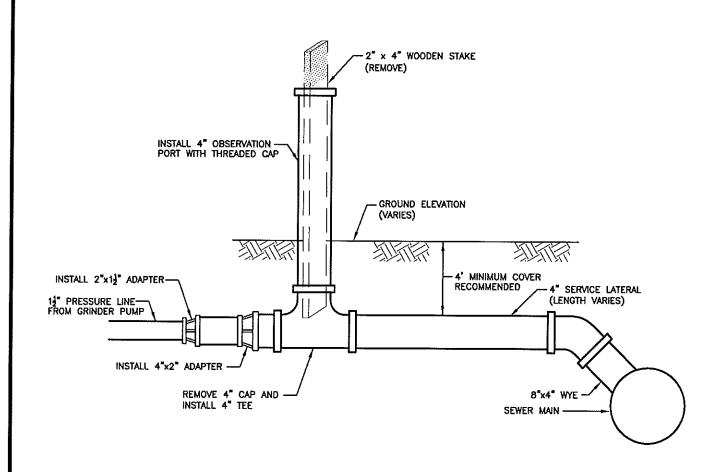


STANDARD DETAILS CLAY DIKE

BLAIR TOWNSHIP WATER AND SEWER AUTHORITY RULES, REGULATIONS AND POLICY 377 CEDARCREST DRIVE DUNCANSVILLE, PA 16635

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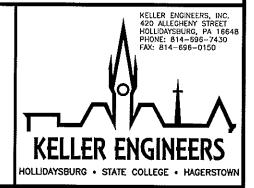


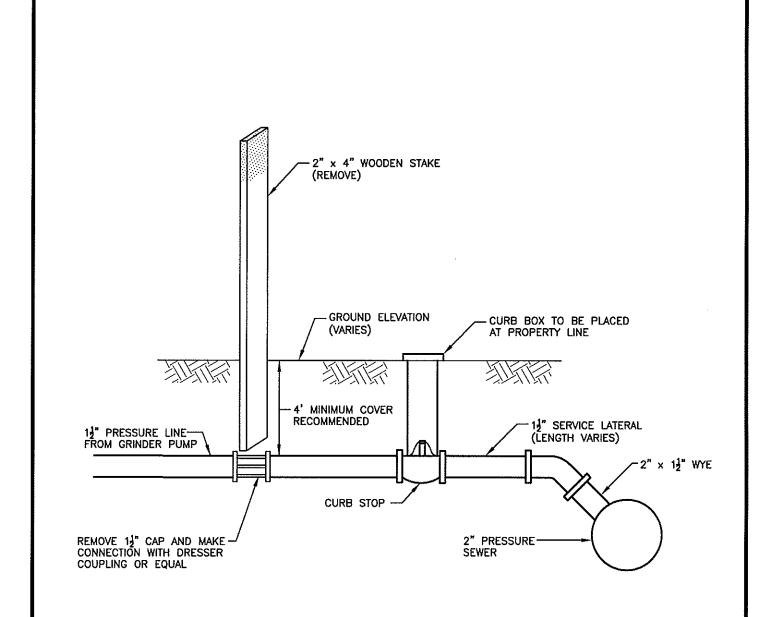
STANDARD DETAILS PRESSURE CONNECTION TO GRAVITY LINE

BLAIR TOWNSHIP WATER AND SEWER AUTHORITY RULES, REGULATIONS AND POLICY

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STANDARD DETAILS PRESSURE CONNECTION TO PRESSURE LINE

BLAIR TOWNSHIP WATER AND SEWER AUTHORITY
RULES, REGULATIONS AND POLICY
377 CEDARCREST DRIVE DUNCANSVILLE, PA 16635

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