Detail Drawings for Connecting to Public Sewer

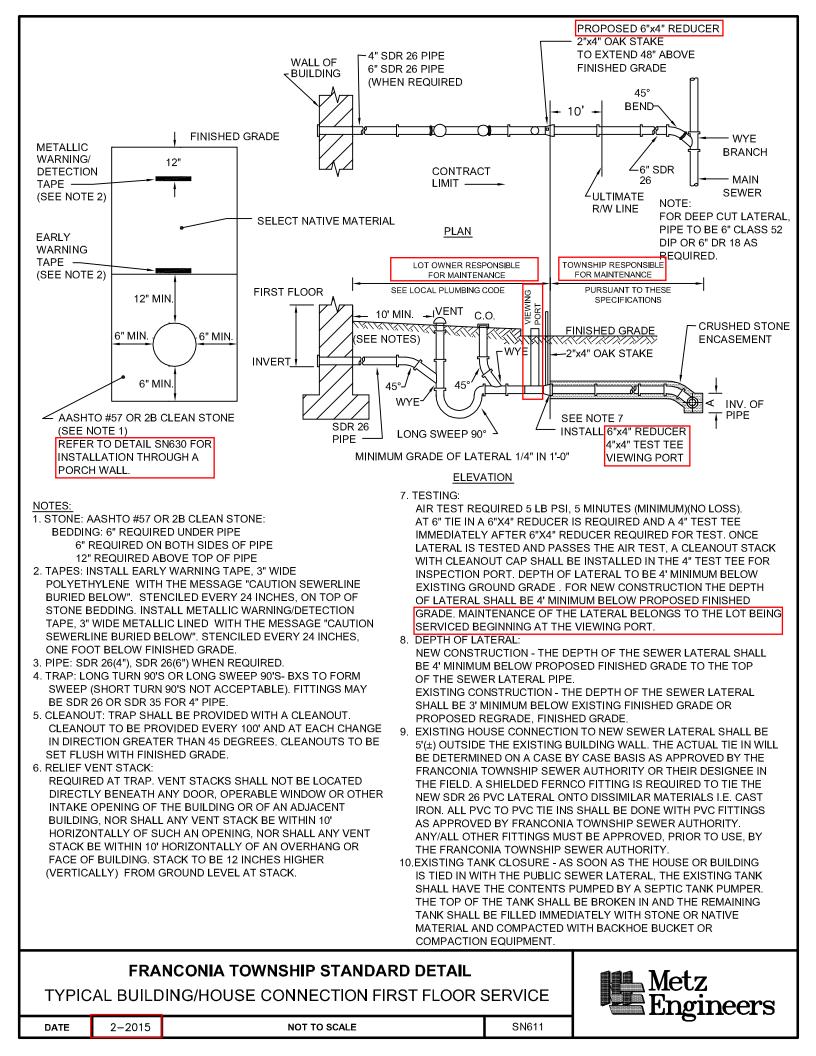
## Typically for Use by Property Owner or Their Contractors to Connect To Public Sewer

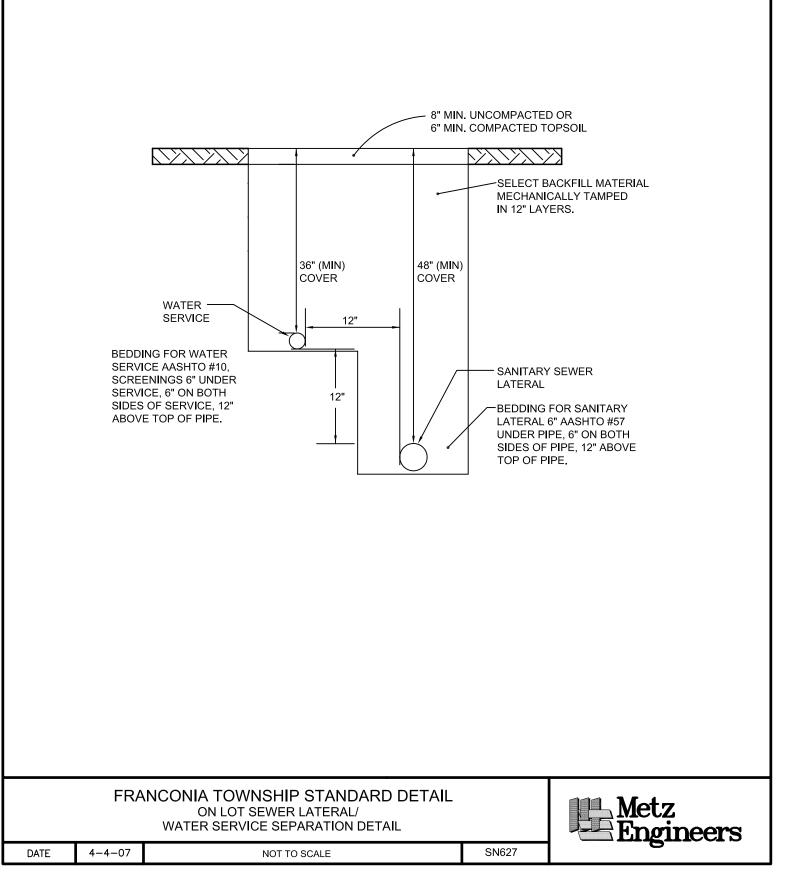
These drawings are generally used for connecting an individual property to an existing public sewer system. These drawing sets are further broken down into the following categories:

- 1) Connection of an existing property into an existing gravity sewer main
- 2) Connection of an existing property into an existing low-pressure sewer main current method
- 3) Connection of an existing property into an existing low-pressure sewer main previous method still acceptable
- 4) Connection of newly constructed building to existing gravity sewer main

# Detail Drawings for Connecting to Public Sewer Typically for Use by Property Owner or Their Contractors to Connect To Gravity Sewer

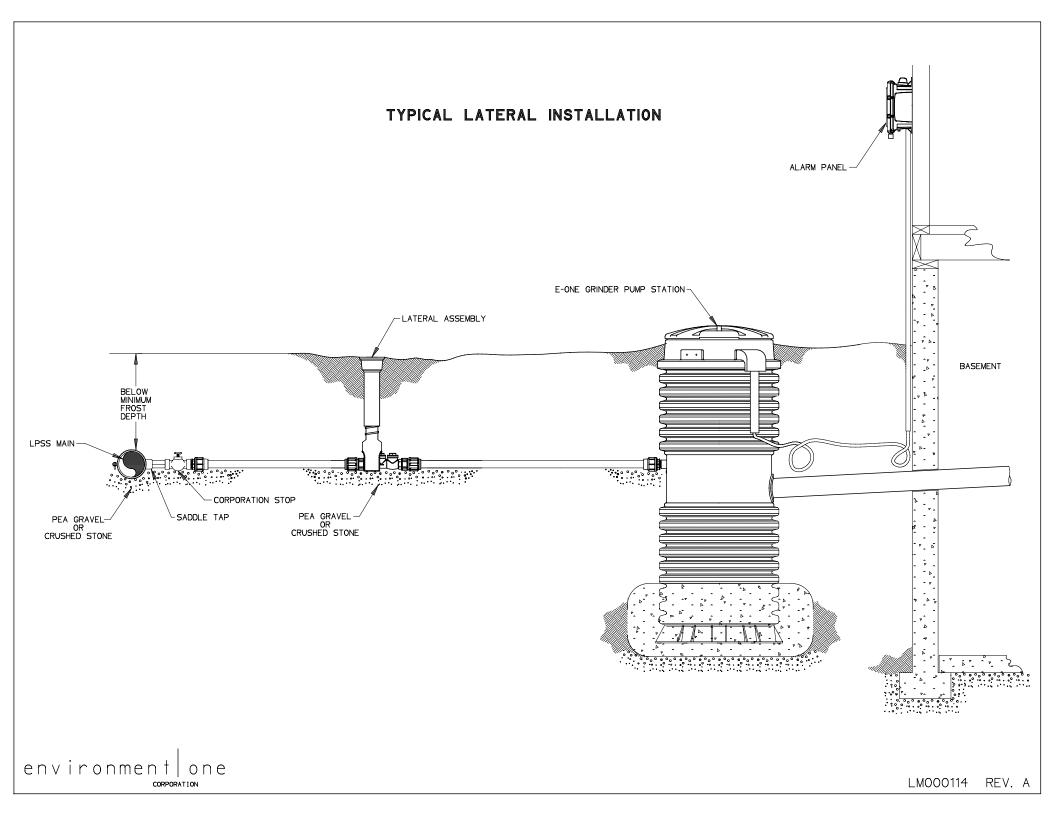
These drawings are generally used for connecting an individual property to an existing GRAVITY sewer system. Note that a trap system in the lateral line may not be required if the indoor plumbing is fully trapped inside the building. There should still be a cleanout in the lateral line even if no trap is required.

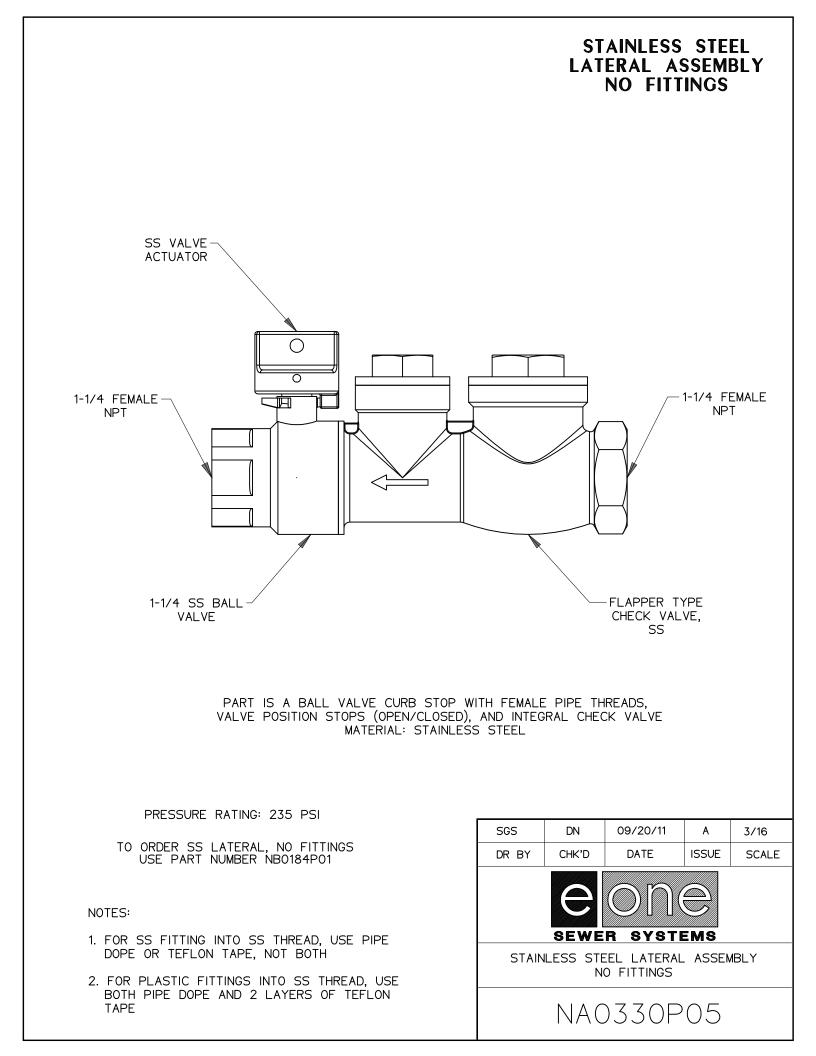


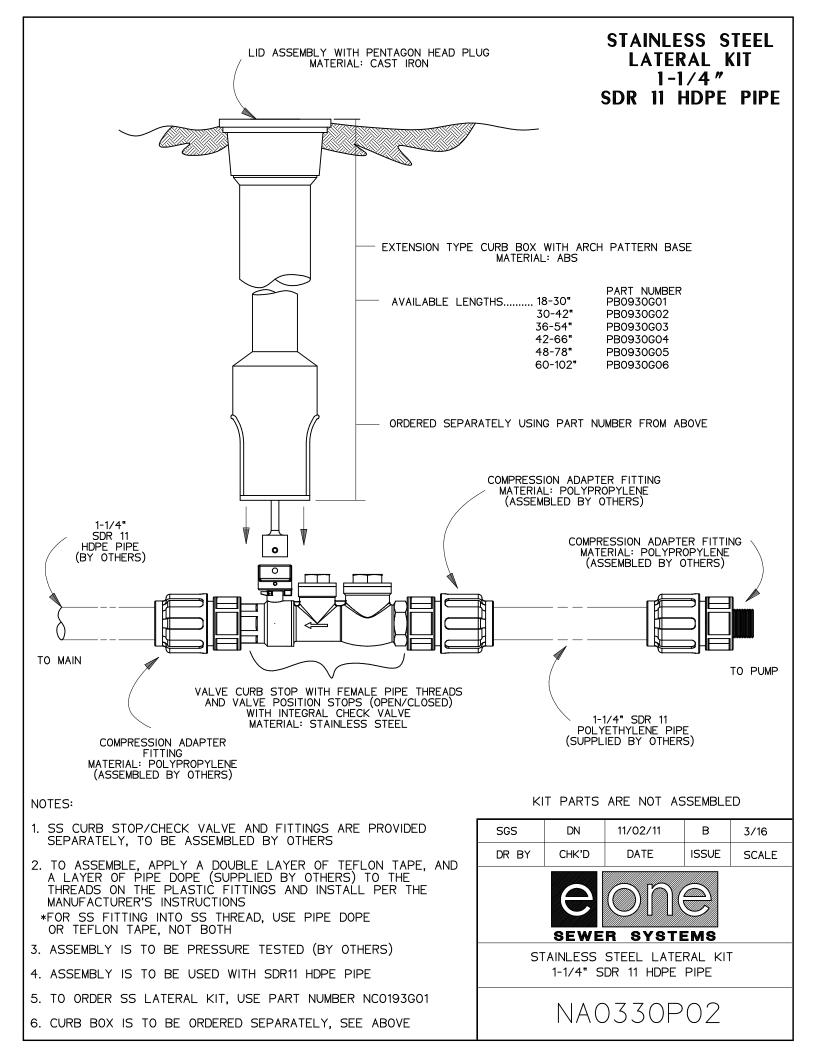


# Detail Drawings for Connecting to Public Sewer Current Method Typically for Use by Property Owner or Their Contractors to Connect To Pressure Sewer

These drawings are generally used for connecting an individual property to an existing Low Pressure sewer system. These drawings depict the current method for making these connections. Note that the previous method – shown in the next section – is still acceptable.

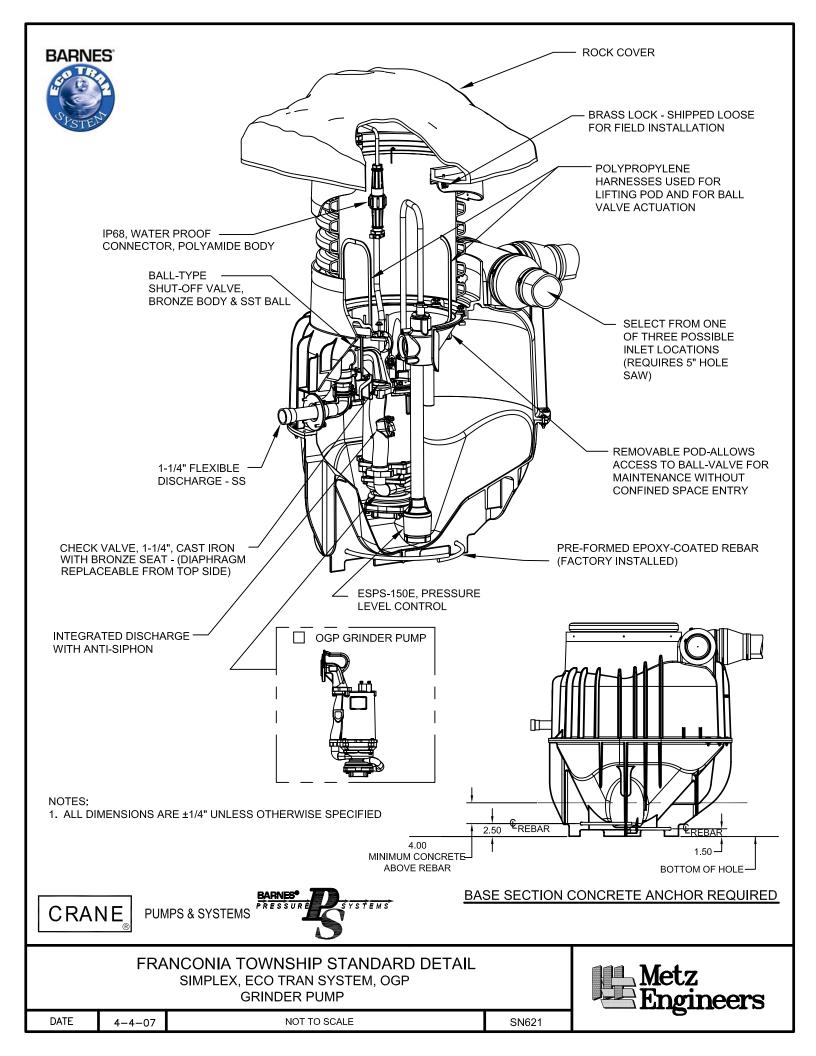


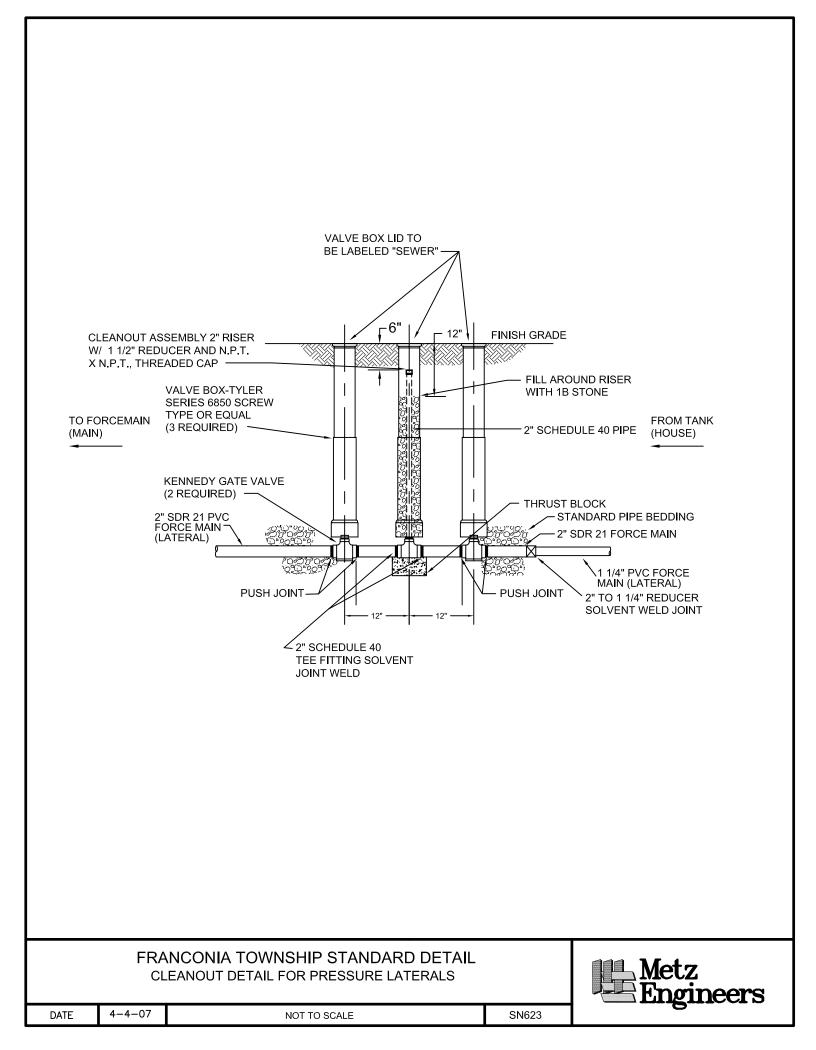


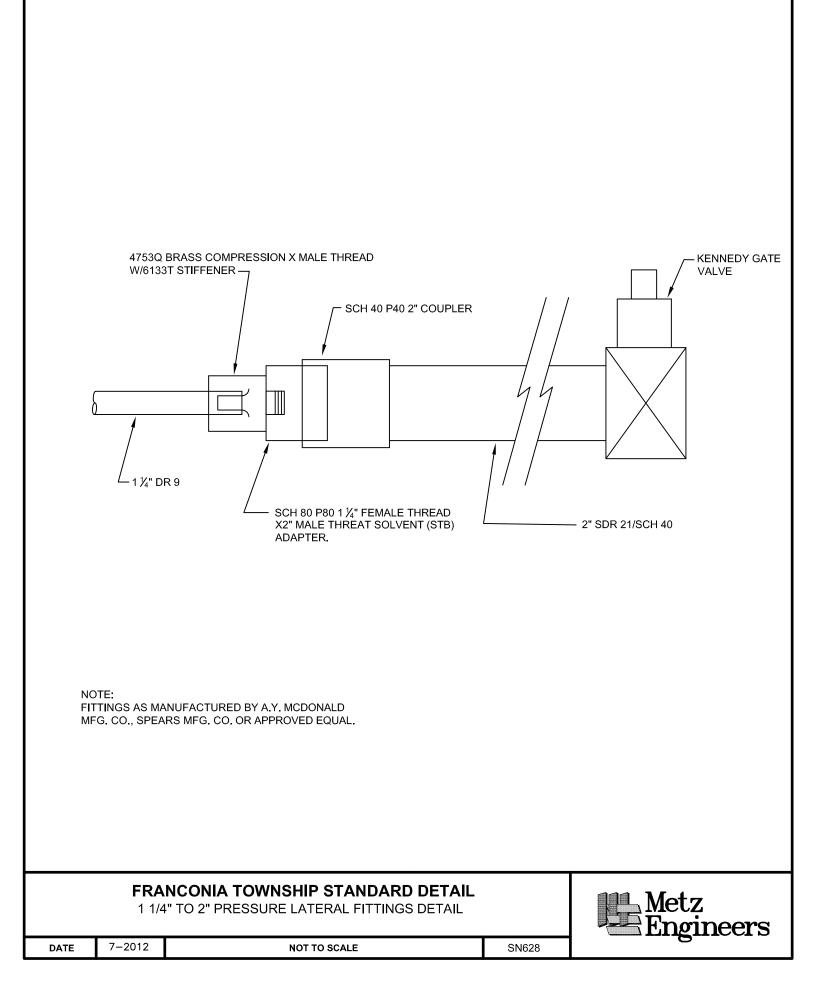


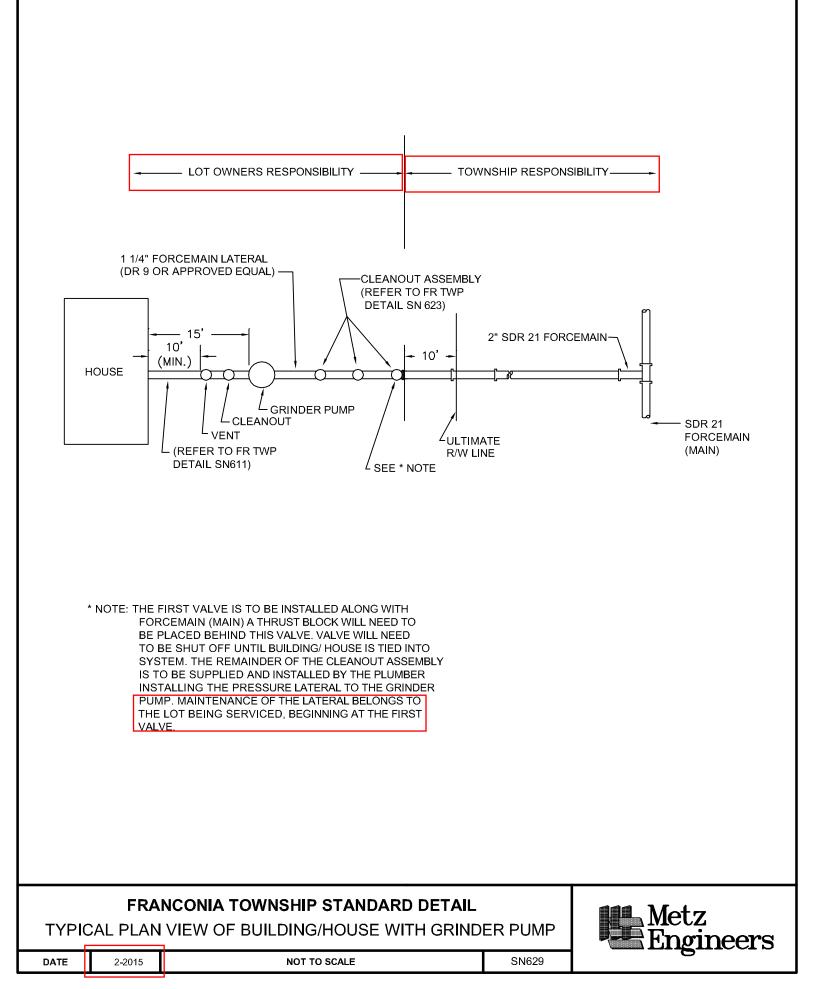
## Detail Drawings for Connecting to Public Sewer Previous Method Typically for Use by Property Owner or Their Contractors to Connect To Pressure Sewer

These drawings are generally used for connecting an individual property to an existing Low Pressure sewer system. These drawings depict the previous method for making these connections. Note that this previous method is still acceptable; however, the current methos is more consistent with the equipment now available.





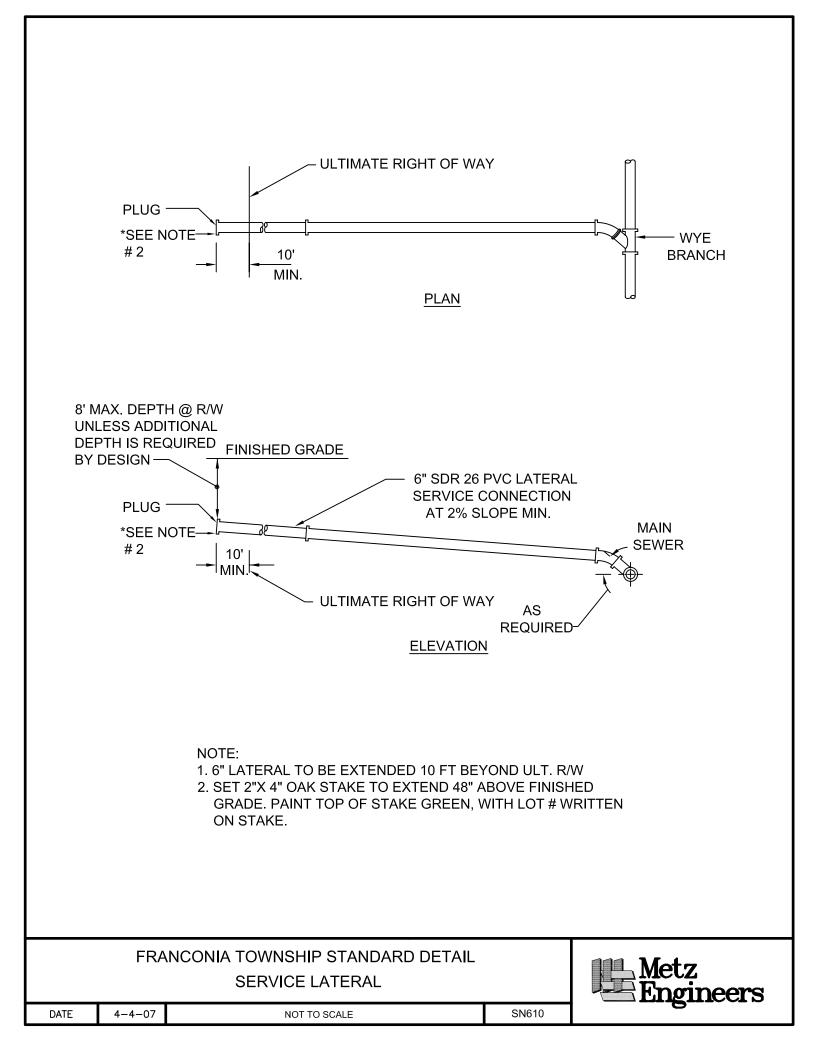


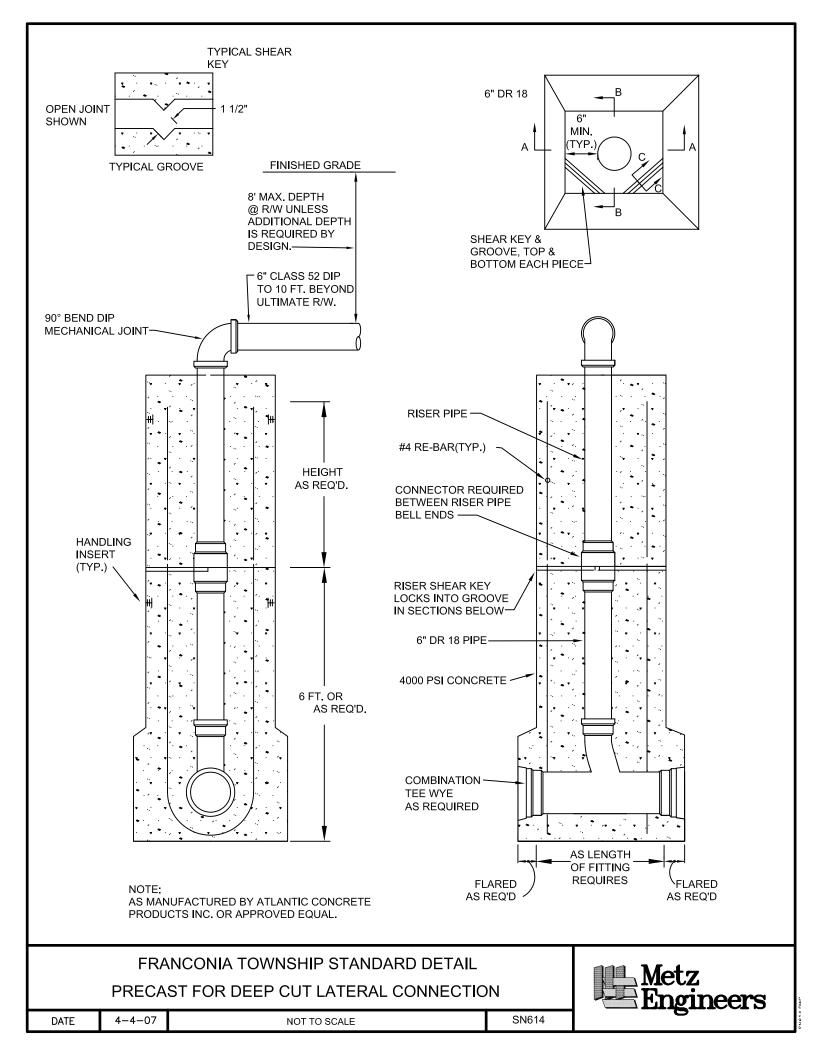


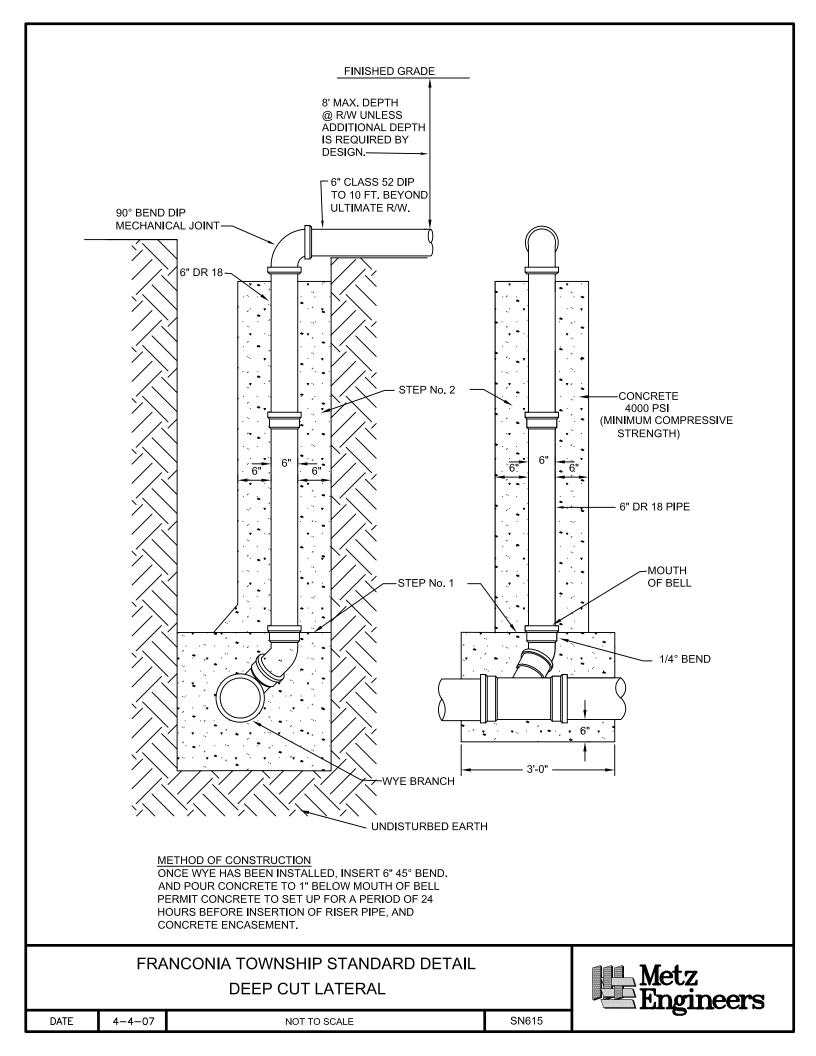
Detail Drawings for Connecting to Public Sewer

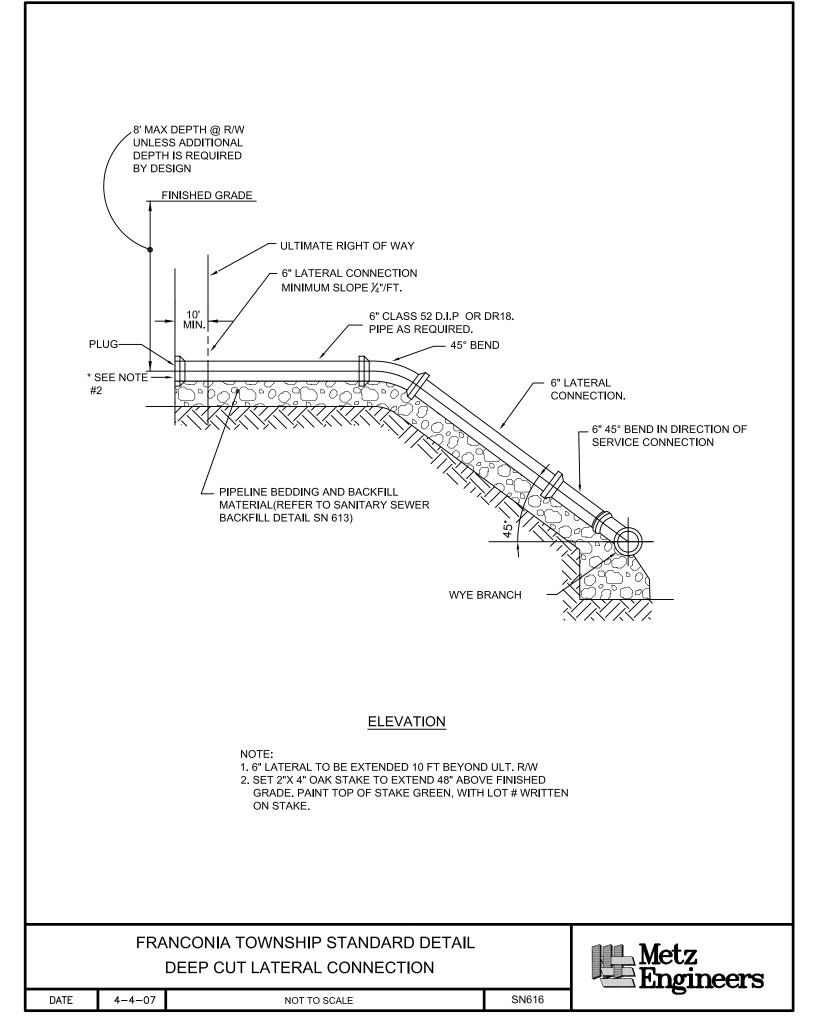
### Typically for Use by Property Owner or Their Contractors to Connect New Construction to Sewer

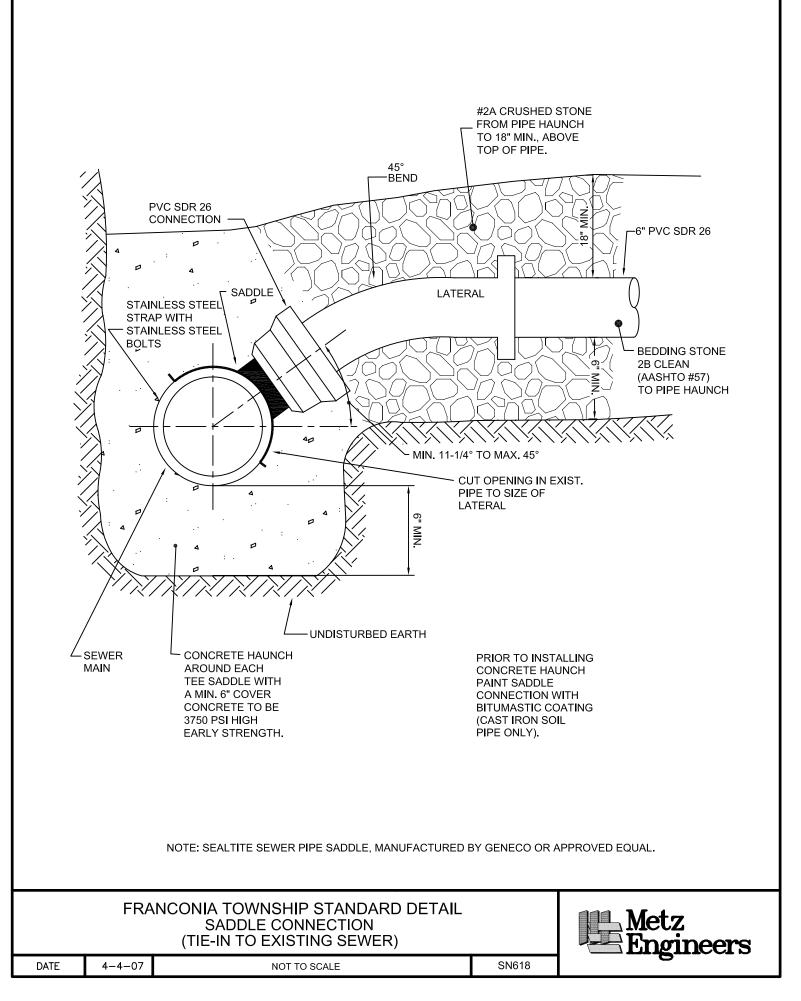
These drawings are generally used for connecting new construction to an existing sewer system. These drawings depict the methods to be used to tap into existing sewer mains where no stub currently exists. These drawings, along with those provided in the above sections (connecting existing properties to public sewer), provide the full extent of connecting new construction.

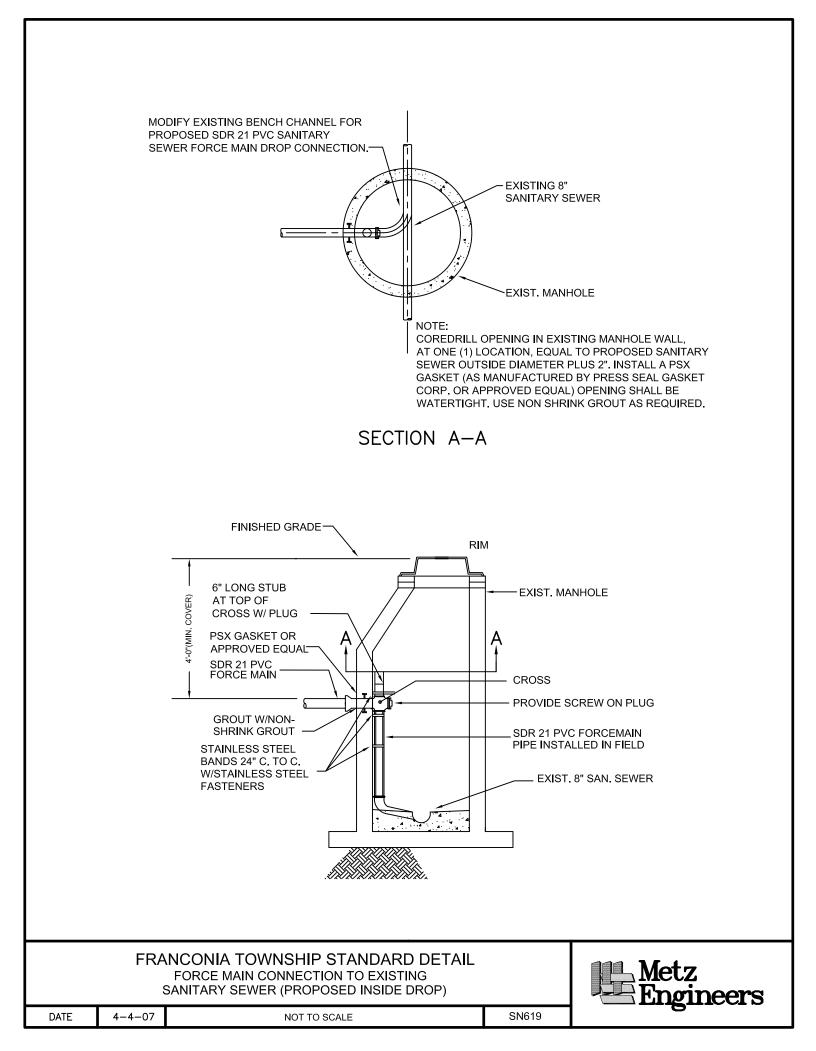


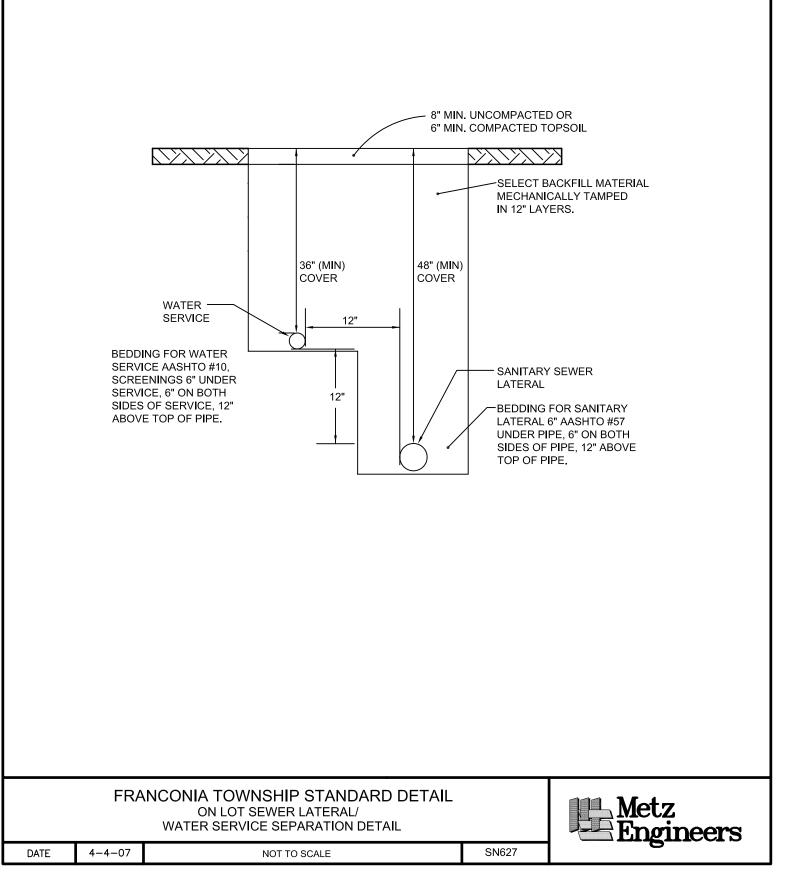


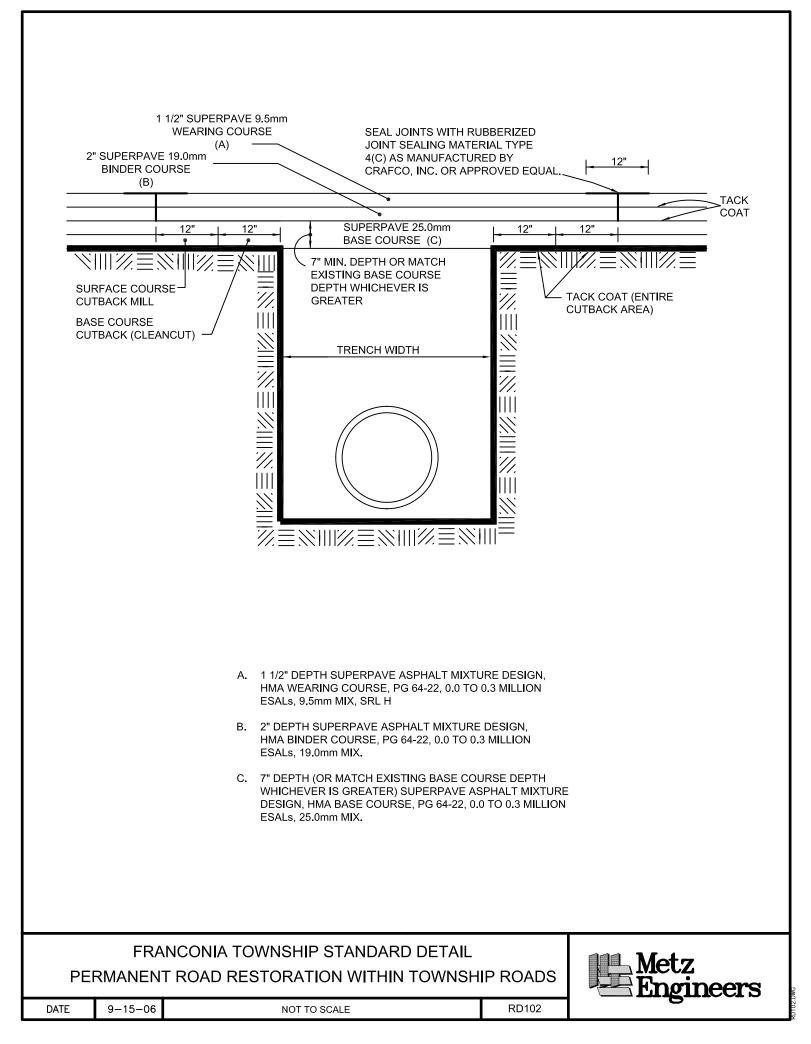


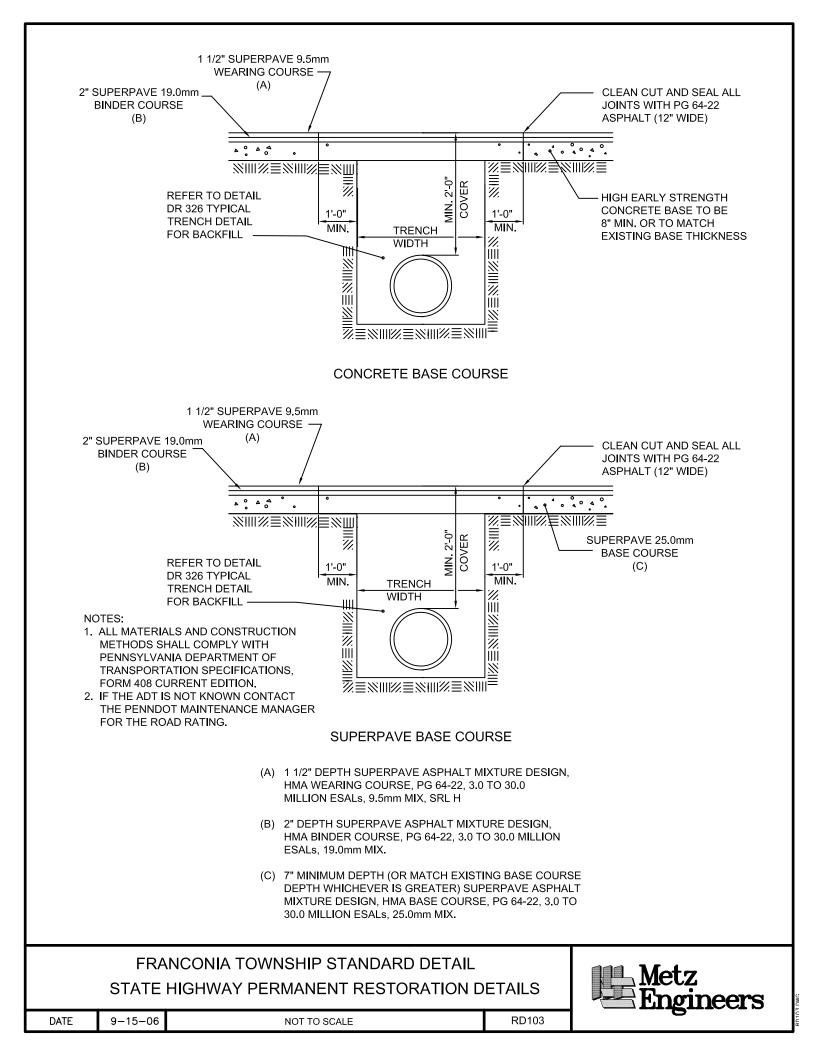






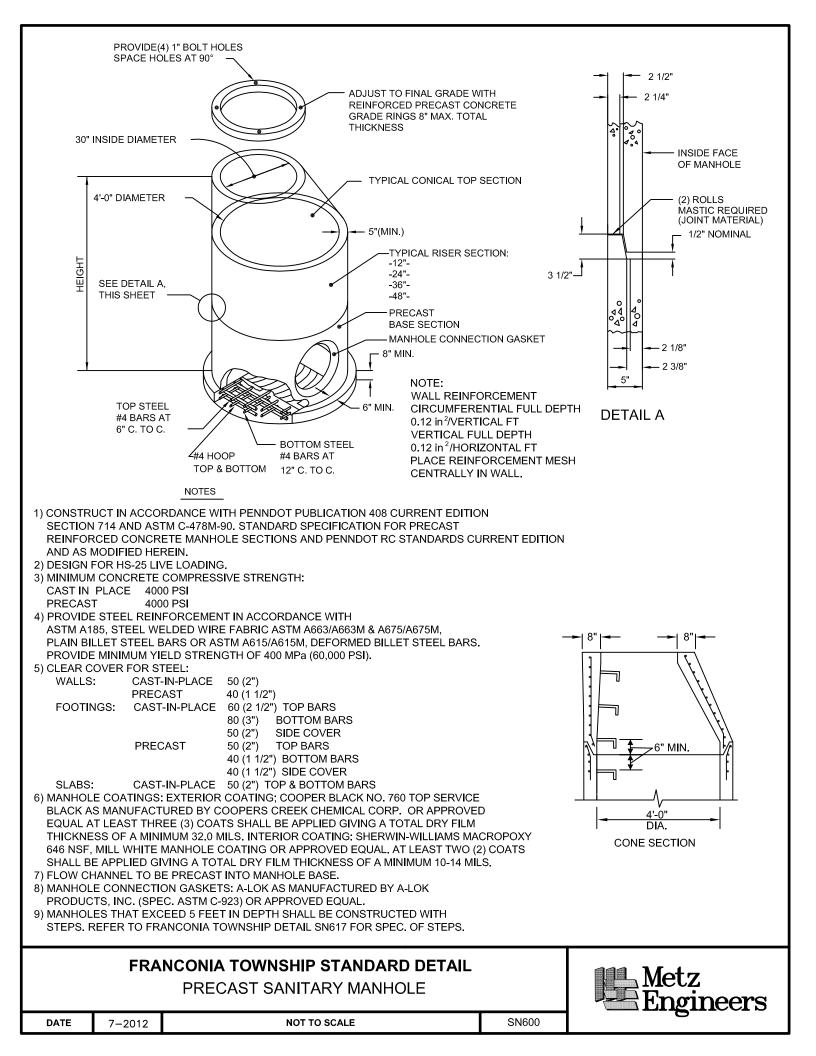


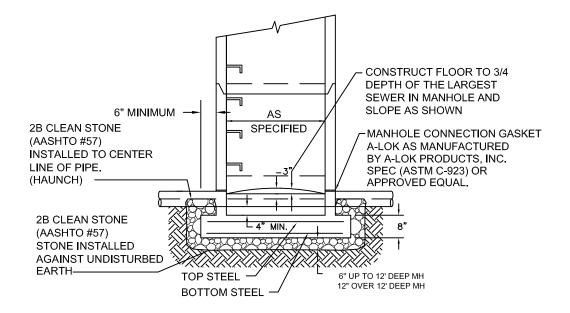




# Detail Drawings for Sewer Main Construction Typically for Use by Developers or Sewer Main Extension Contractors

These drawings are generally not used for connecting an individual property to an existing public sewer system.





PRECAST MANHOLE HEIGHT	TOP STEEL REQUIREMENTS	BOTTOM STEEL REQUIREMENTS
0'-0" TO 30'-0"	NO. 4 BARS AT 6" C TO C OR 0.33 in² /FT WWF 6" MAXIMUM SPACING	NO. 4 BARS AT 12" C TO C OR 0.16 in² /FT WWF 6" MAXIMUM SPACING
>30'-0" TO 60'-0"	NO. 5 BARS AT 6" C TO C OR 0.56 in² /FT WWF 6" MAXIMUM SPACING	NO. 4 BARS AT 6" C TO C OR 0.27 in <sup>2</sup> /FT WWF 6" MAXIMUM SPACING

#### NOTES:

- 1) CONSTRUCT IN ACCORDANCE WITH PENNDOT PUBLICATION 408 CURRENT EDITION SECTION 714, ASTM C-478M-90 STANDARD SPECIFICATION FOR PRECAST REINFORCED CONCRETE MANHOLE SECTIONS AND PENNDOT RC STANDARDS CURRENT EDITION.
- 2) MINIMUM STRENGTH OF CONCRETE CAST-IN-PLACE 4000 PSI(MIN.) PRECAST 4000 PSI(MIN.)
- 3) PROVIDE STEEL REINFORCEMENT MEETING THE REQUIREMENTS OF PENNDOT PUBLICATION 408 CURRENT EDITION SEC. 709. REINFORCE PER PENNDOT 408 CURRENT EDITION AND RC STANDARD RC-39M SHEETS 1 THROUGH 5.

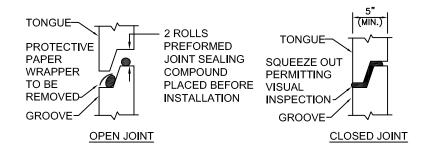
#### FRANCONIA TOWNSHIP STANDARD DETAIL

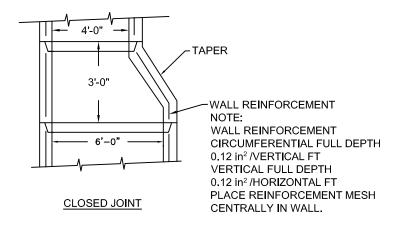
PRECAST MANHOLE BASE



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NOTE:

1) RISER AND CONE SECTIONS TO BE ADEQUATELY REINFORCED IN ACCORDANCE WITH ASTM SPECIFICATION C-478M-90, STANDARD SPECIFICATION FOR PRECAST REINFORCED CONCRETE MANHOLE SECTIONS

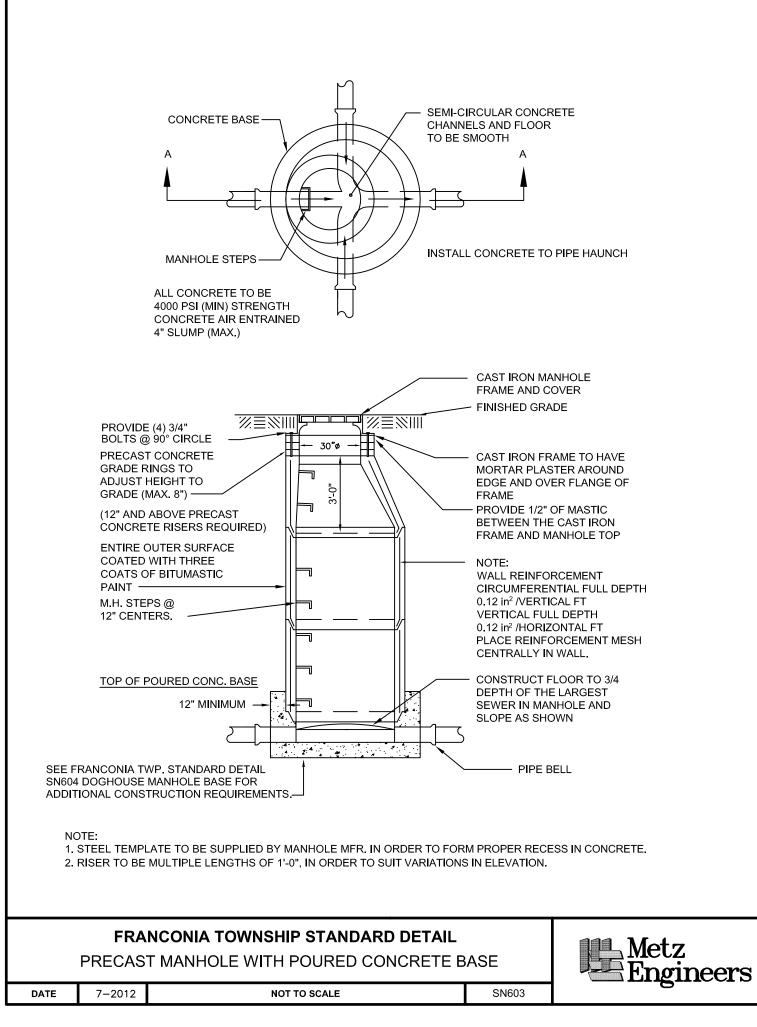
### FRANCONIA TOWNSHIP STANDARD DETAIL

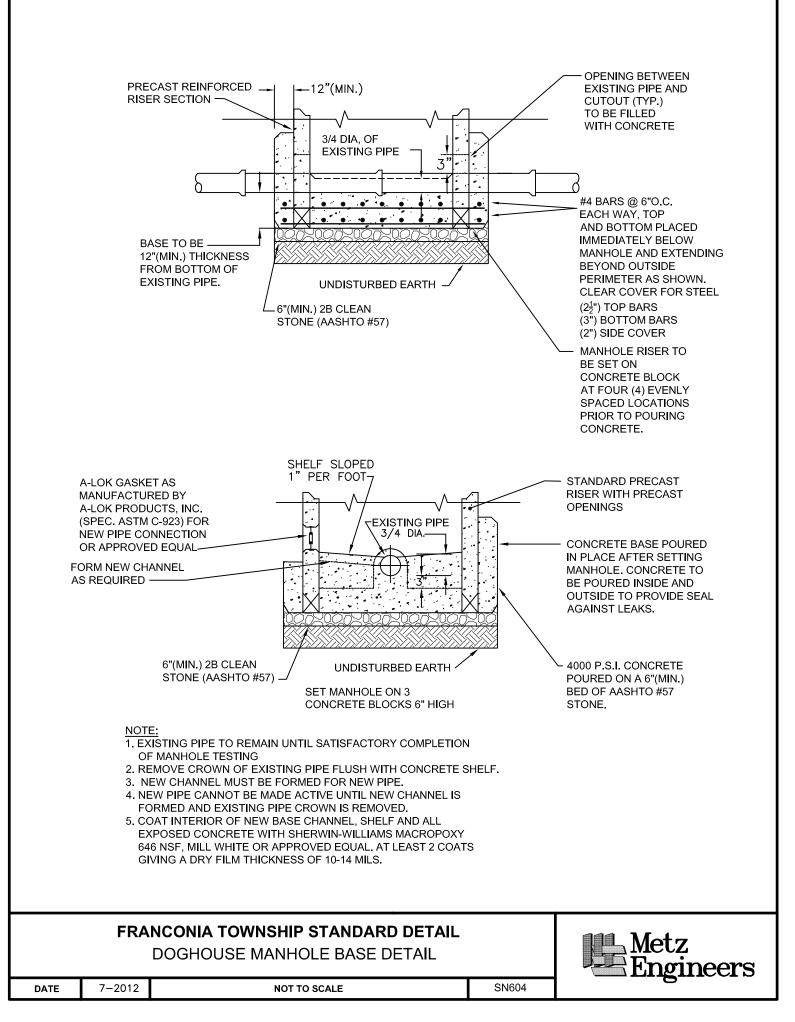
PRE-CAST MANHOLE JOINTS AND TRANSITION DETAILS

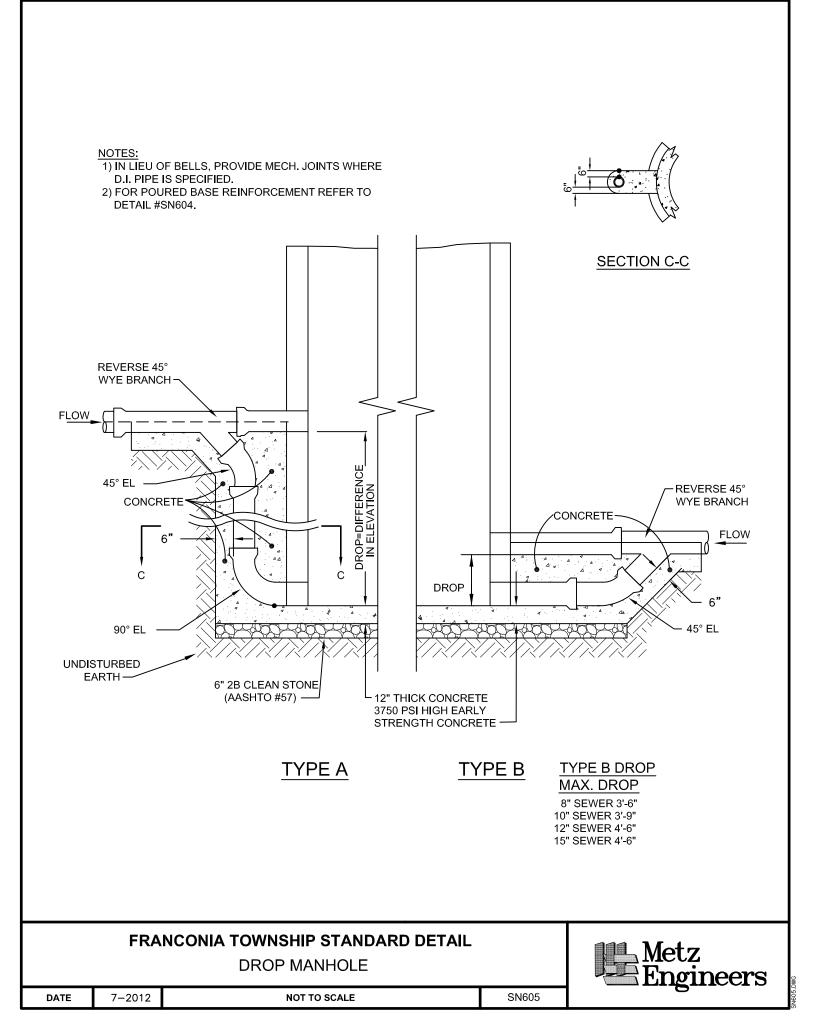


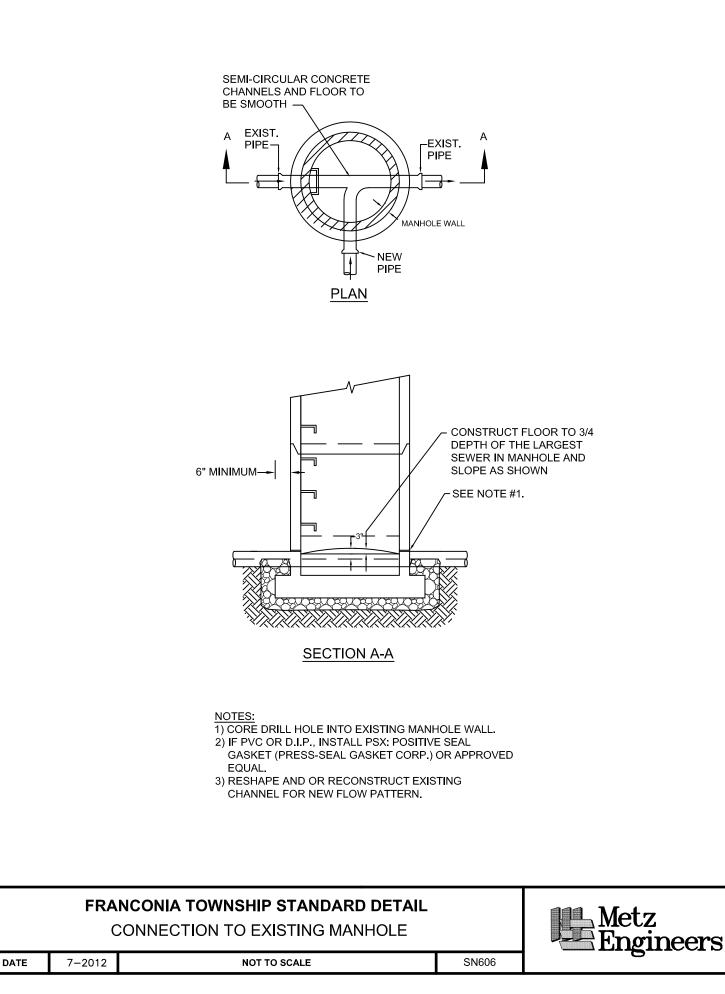
DATE

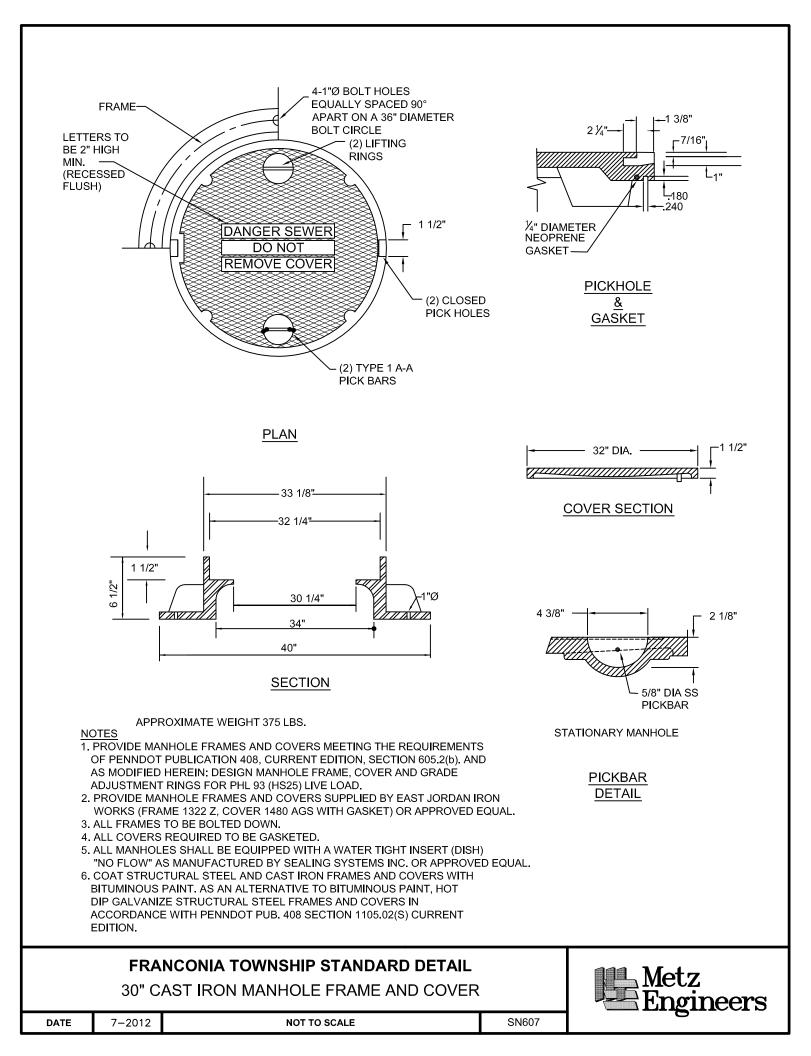
7-2012

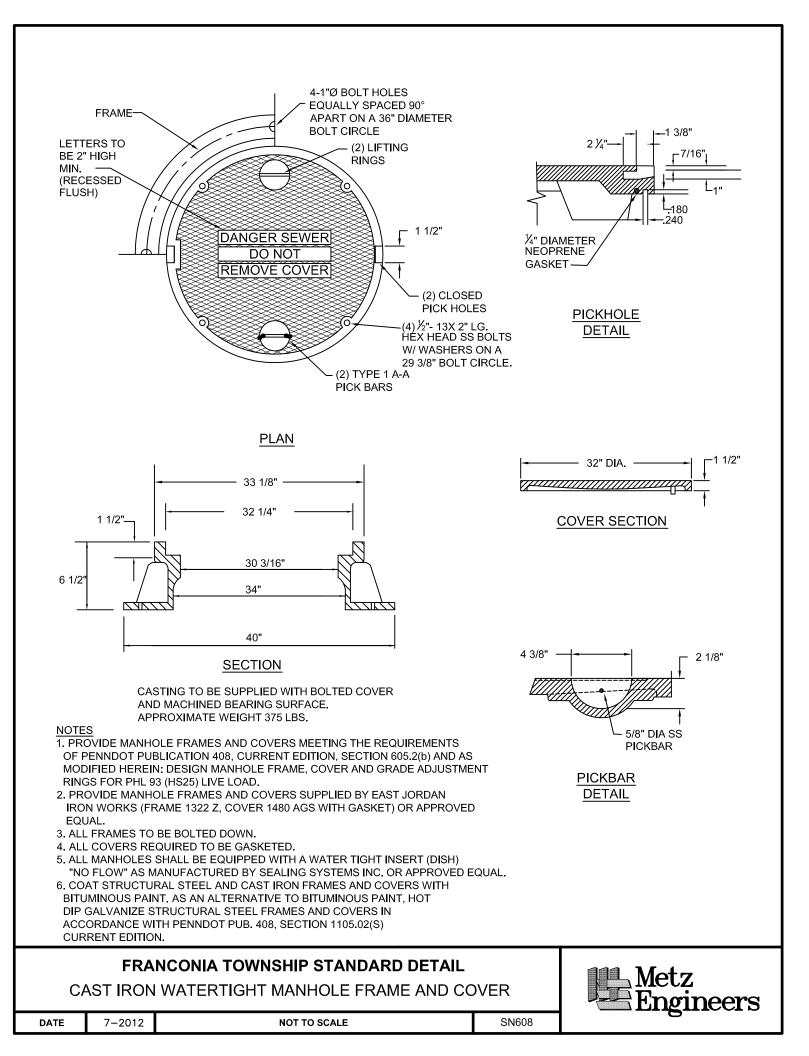


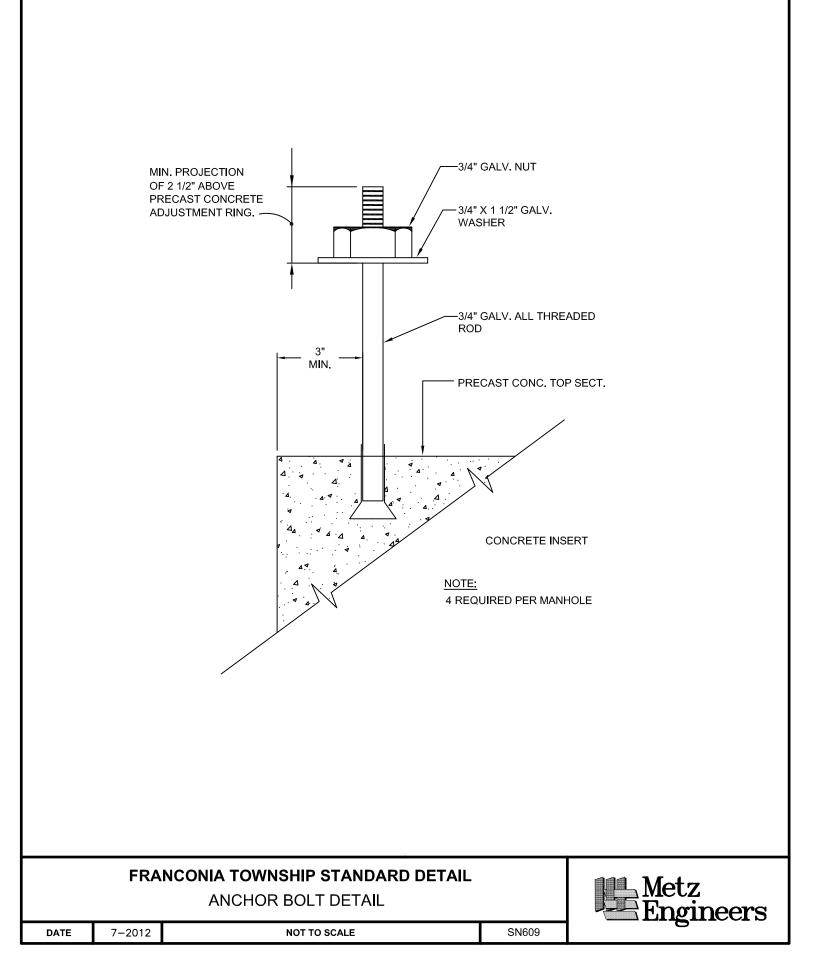


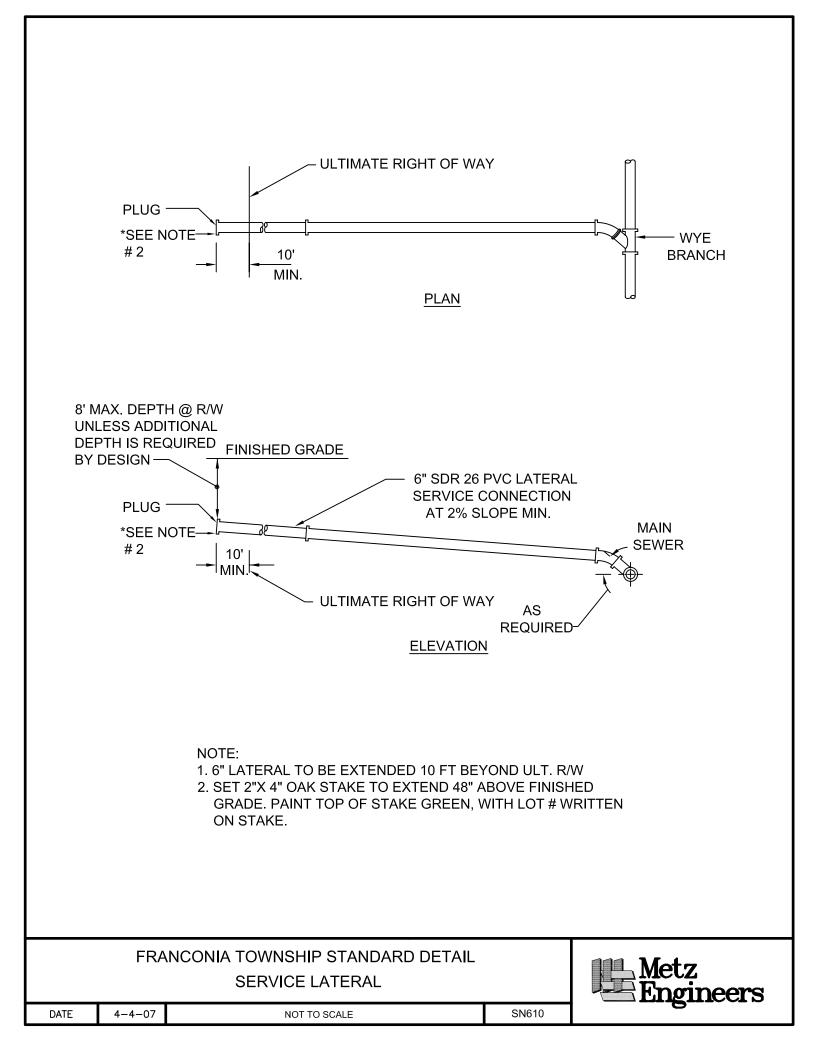


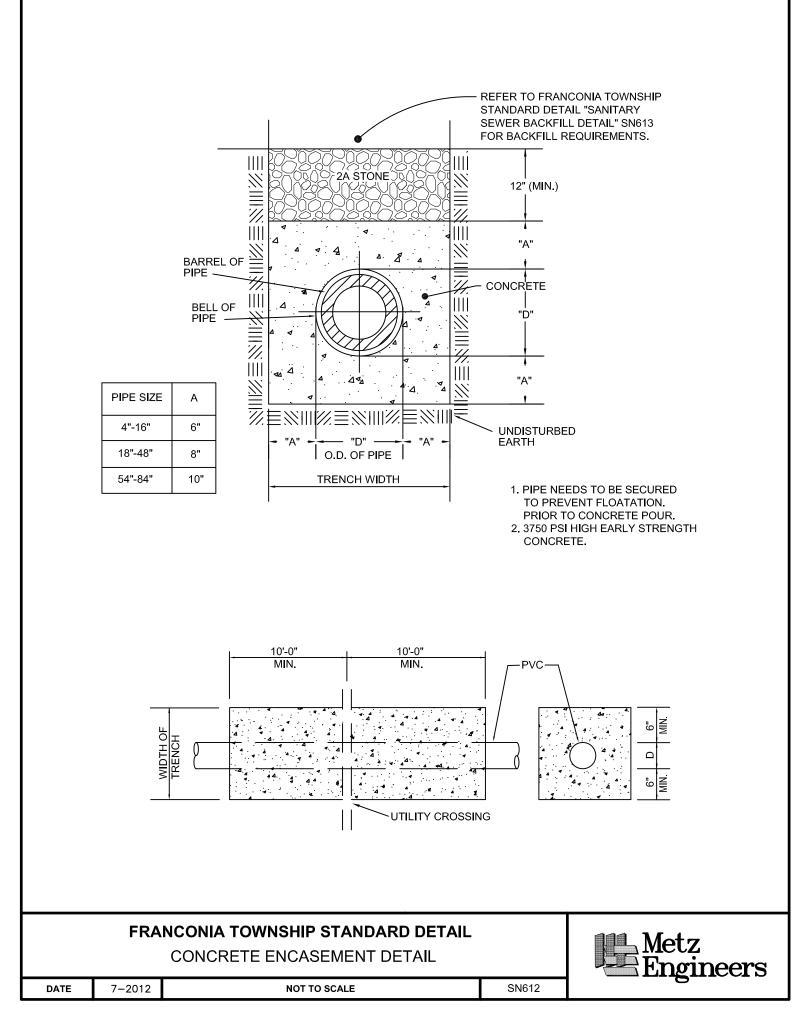


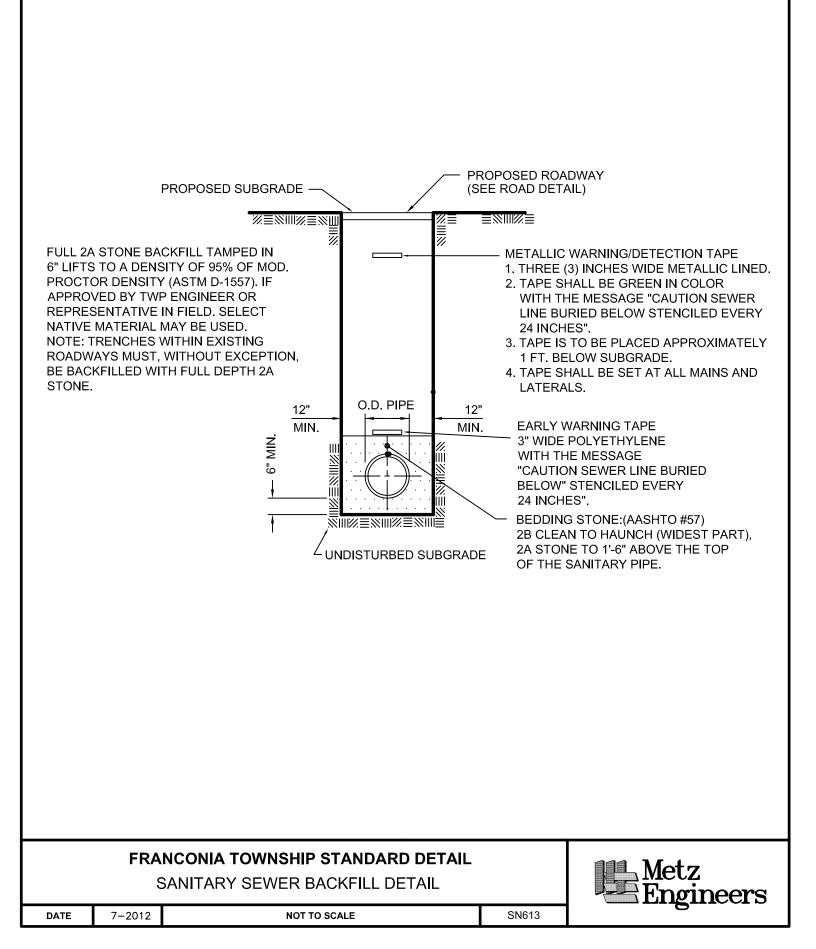


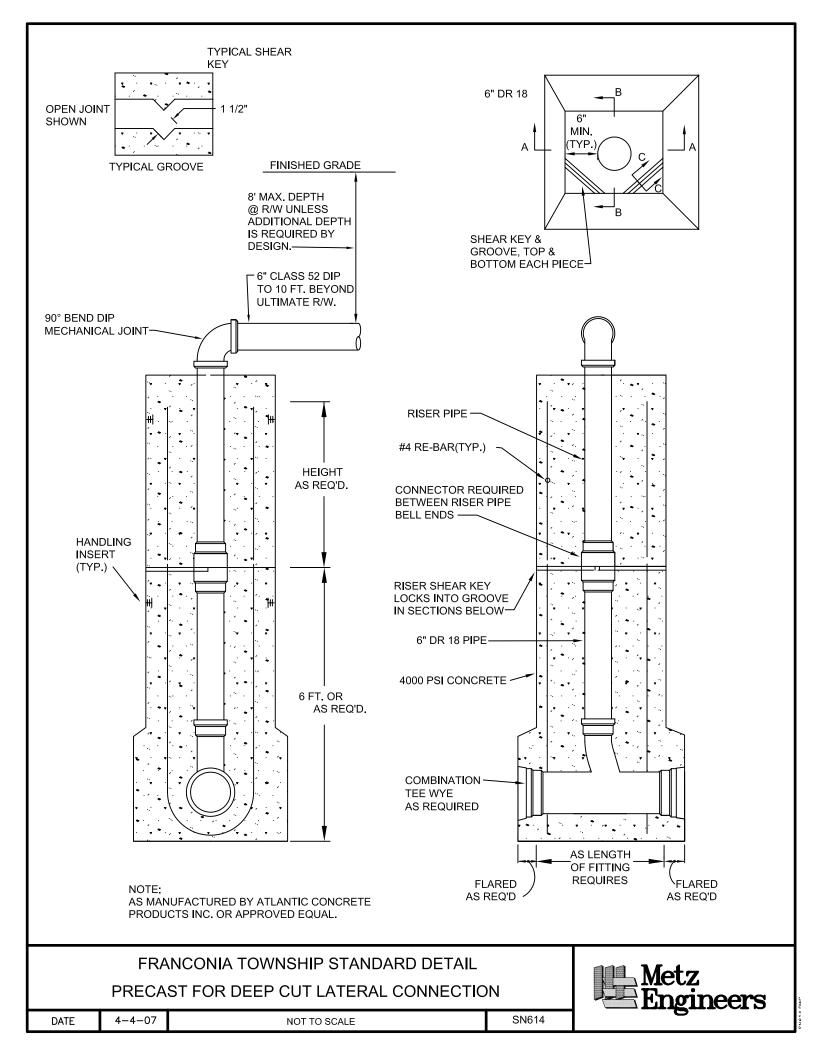


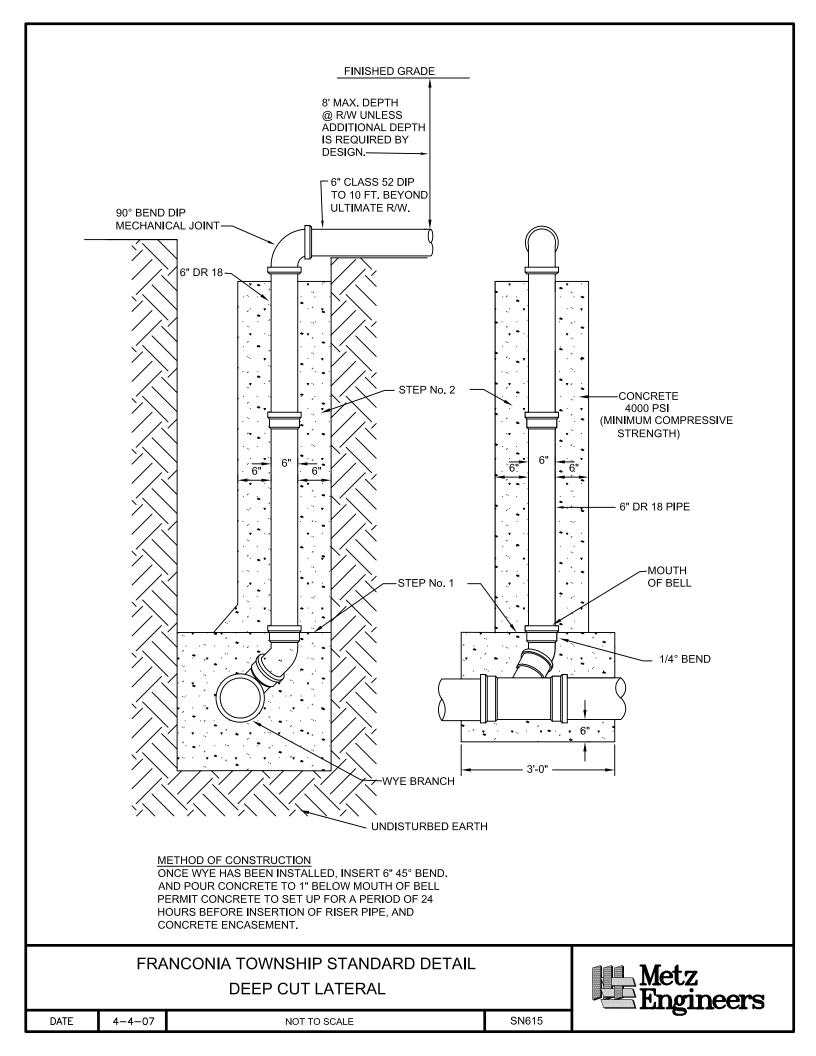


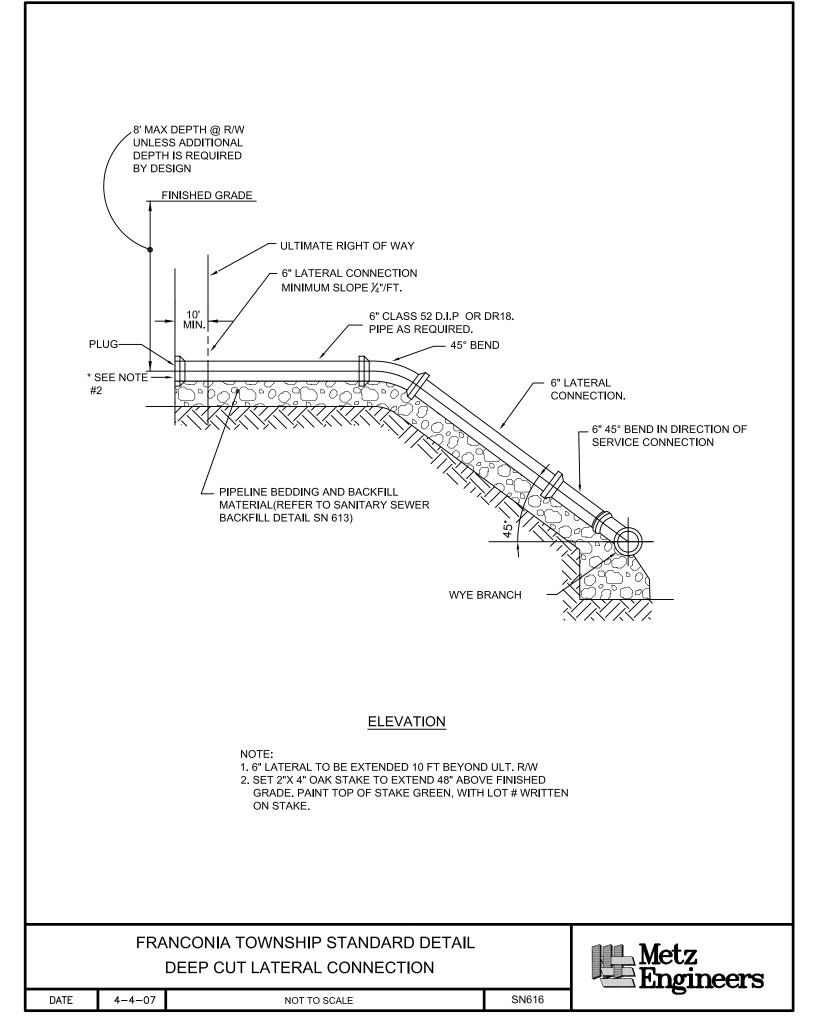


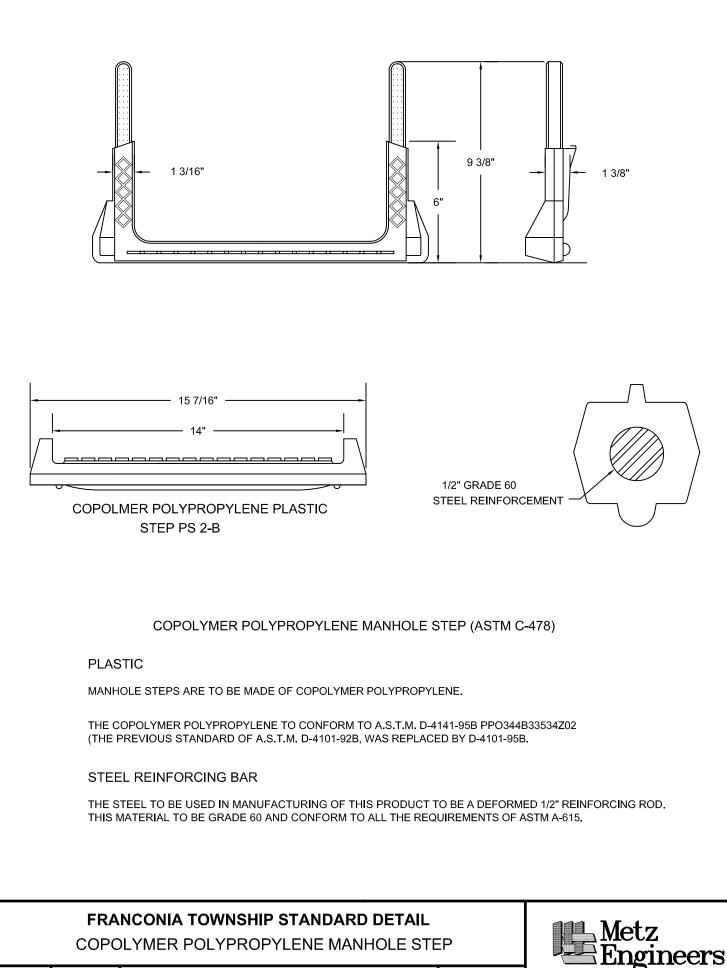










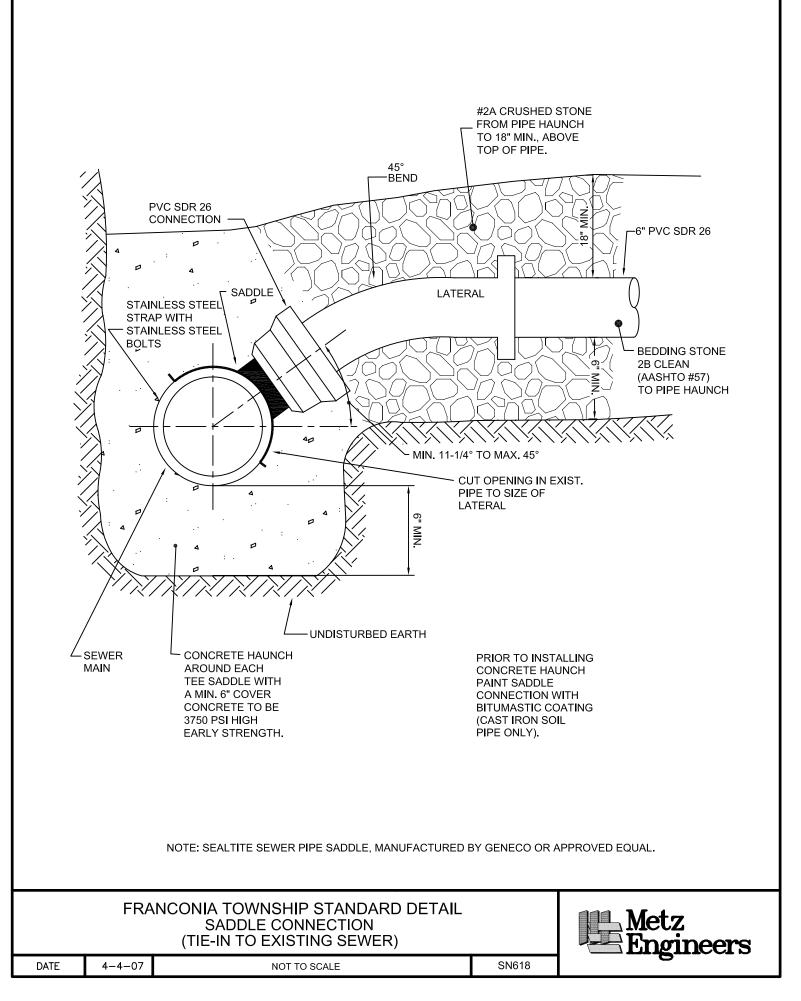


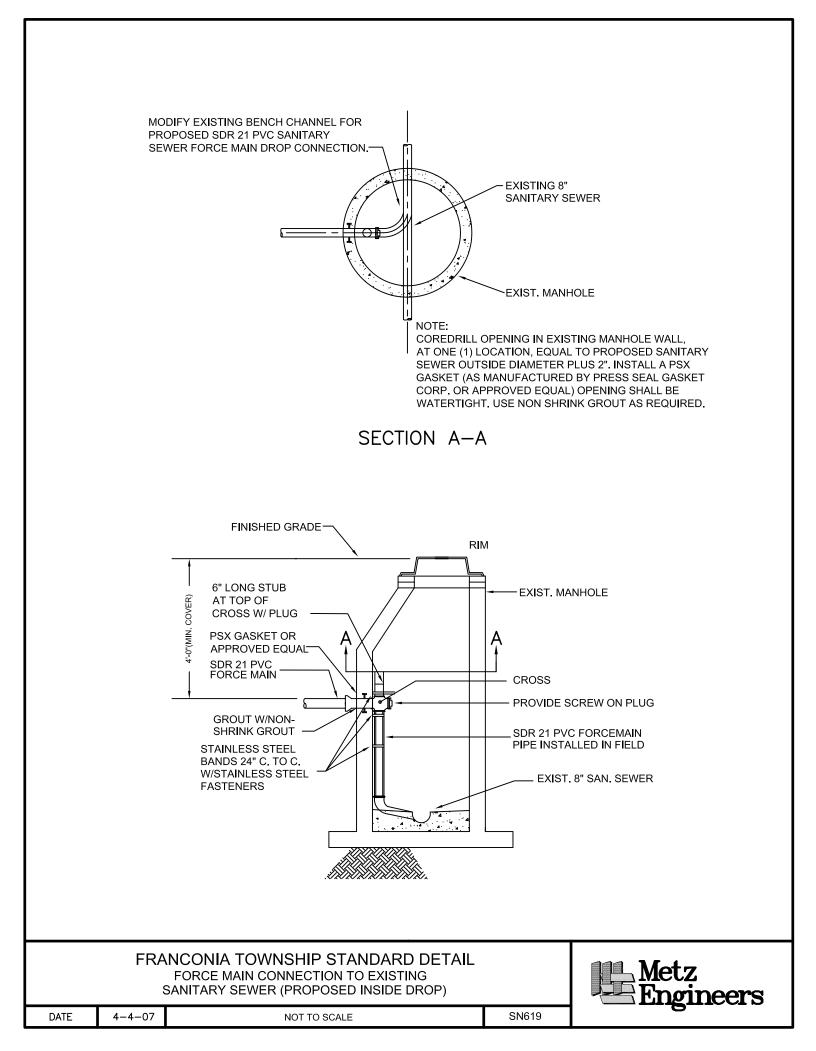
NOT TO SCALE

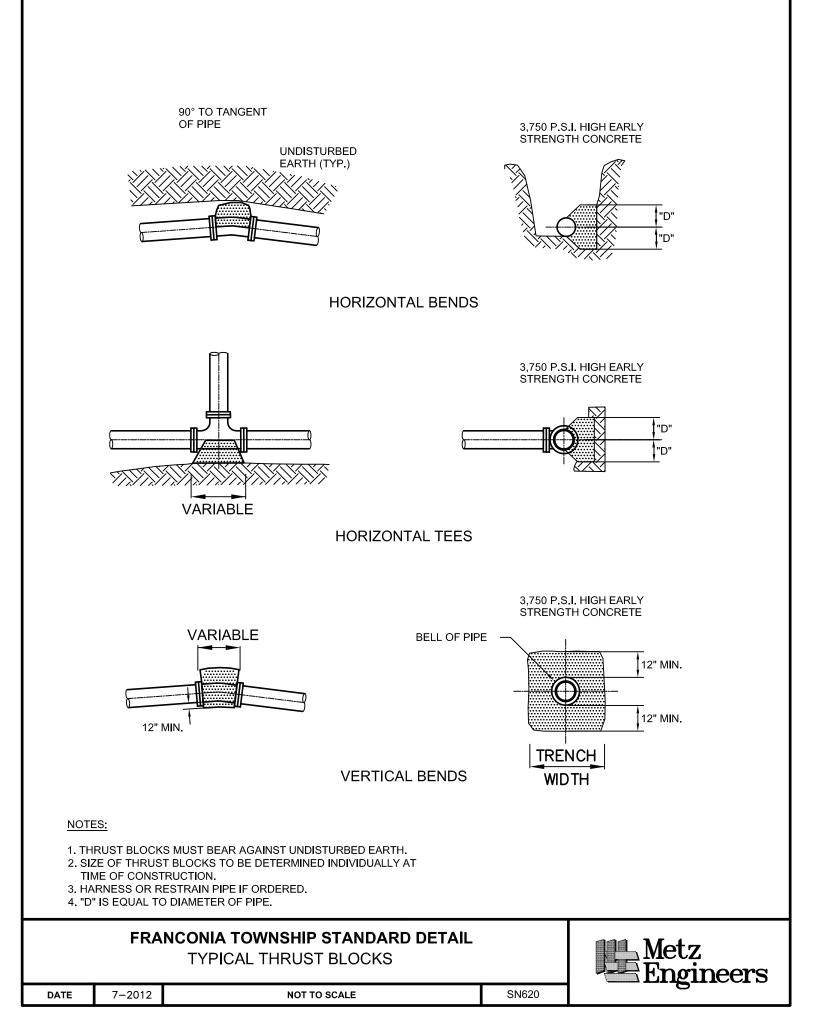
DATE

7-2012

SN617







	W/ X N. 2" k 2" s	ANOUT ASSEMBLY 2" RISER 1 1/2" REDUCER AND N.P.T. P.T., THREADED CAP VALVE BOX-TYLER SERIES 6850 SCREW TYPE OR EQUAL (2 REQUIRED) CENNEDY GATE VALVE DR 21 PVC RCE MAIN VOLVE BOX-TYLER SERIES 6850 SCREW TYPE OR EQUAL (2 REQUIRED) VALVE BOX-TYLER SERIES 6850 SCREW TYPE OR EQUAL (2 REQUIRED) VOLVE PUSH JOIN		RISER E RADE IEDULE 40 PIPE THRUST BLOCK
DATE		NCONIA TOWNSHIP STAN RMINAL PRESSURE SEWE NOT TO SCALE	SN622	Metz Engineers

