

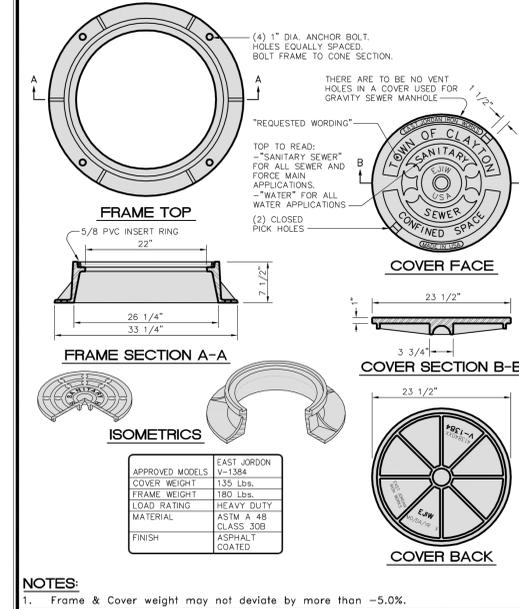
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08/05/2010 - 5:09:49 PM Details Provided by APRIAN Consulting Engineers - www.apriangengineers.com

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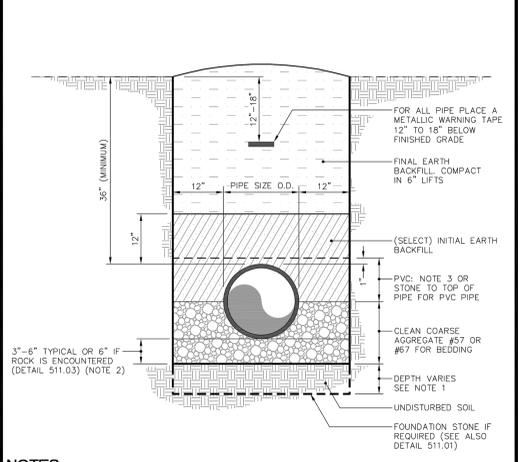


NOTES:
1. Frame & Cover weight may not deviate by more than -5.0%.

TOWN of CLAYTON
USE WITH THE TOWN OF CLAYTON STANDARD SPECIFICATIONS ONLY

STANDARD MANHOLE FRAME and COVER

SCALE: Not To Scale
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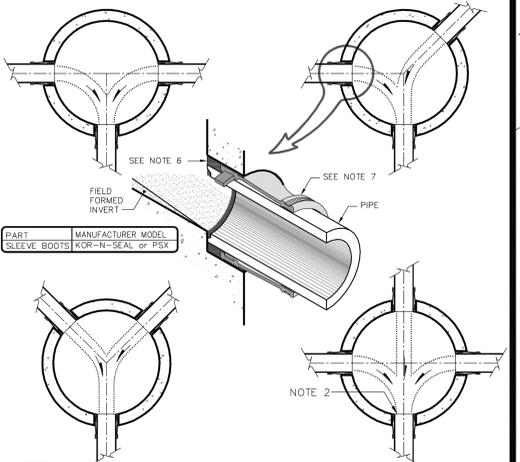


NOTES:
1. Foundation stone shall be required when soil conditions are unsuitable. See detail C01.02.
2. An additional 1 inch depth of bedding material will be required for each additional 2 feet of trench depth in excess of 16 feet up to a maximum of 12 inches.
3. Haunching depth for flexible wall pipe (C900 PVC and SDR35) shall be outside pipe diameter + 1 inch. Haunching shall be thoroughly compacted #57 or #67 stone.
4. Where rock is encountered, refer to detail 511.03 for subgrade preparation.
5. For all force mains, embedment to be Type 1 or 2 as shown on detail 511.02.

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SANITARY SEWER PIPE LAYING CONDITIONS

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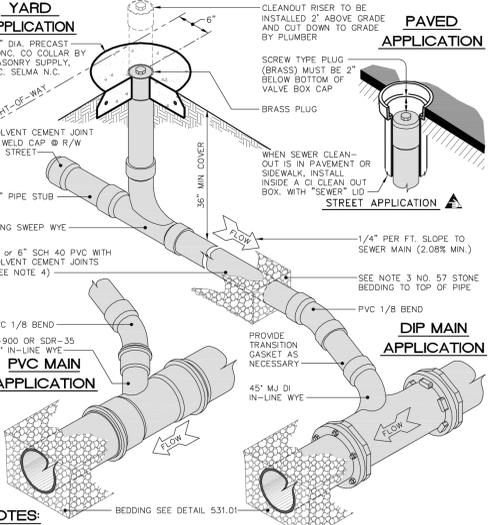


NOTES:
1. Concrete shelf should be no lower than the pipe spring line elevation at manhole wall.
2. Service line entries to have cast in place troughs.
3. Radius of invert must have enough room to be able to insert air plugs and TV equipment.
4. Concrete strength to be 3,000 PSI minimum.
5. Concrete formed invert shall be precast wherever possible. Moorbase not permitted.
6. Pipes will be grouted inside.
7. Flexible sleeve boots cast in place or installed with stainless steel expander rings as manufactured by Kor-N-Seal or PSX shall be used for pipe connections. Boots shall be secured to pipe using (2) stainless steel bands.

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TYPICAL SEWER INVERT PLANS FOR MANHOLES

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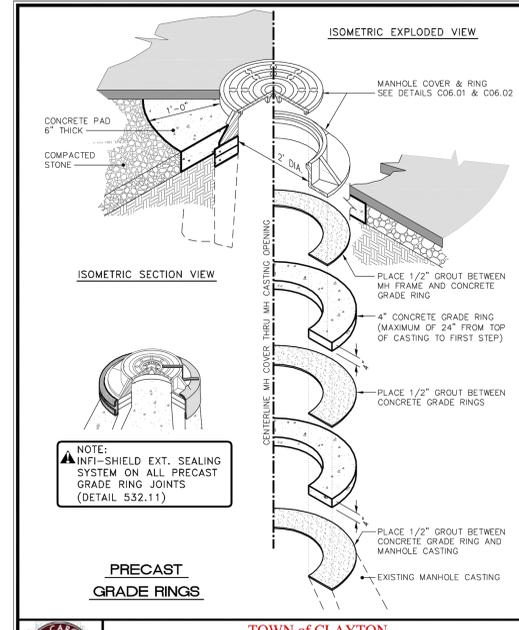


NOTES:
1. The full length of the service trench shall be compacted in 6" layers with mechanical tamp.
2. Solvent cement for pvc pipe and fittings to be ASTM D-2564
3. PVC wye, bend, lateral, & clean-out assembly must be bedded in #57 stone.
4. Flexible sleeve boots cast in place or installed with stainless steel expander rings as manufactured by Kor-N-Seal or PSX shall be used for pipe connections. Boots shall be secured to pipe using (2) stainless steel bands.

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TYPICAL PVC SEWER LATERAL CLEANOUT WITH IN-LINE WYE

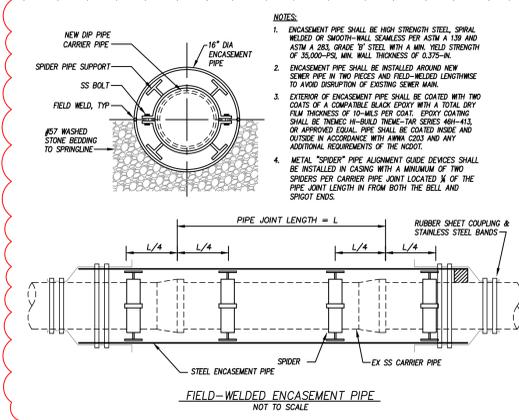
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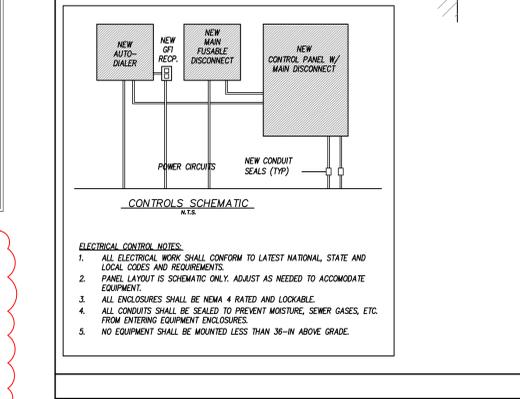
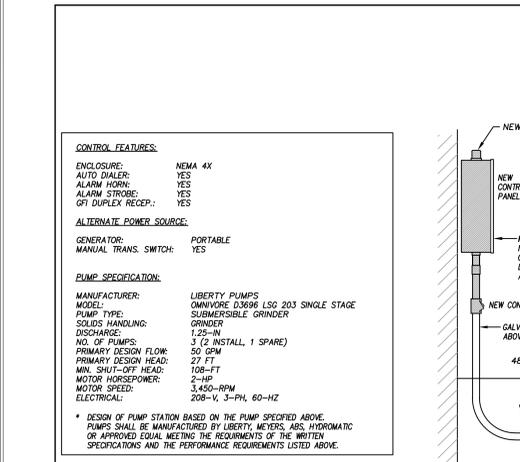
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MANHOLE RING AND COVER GRADE ADJUSTMENT

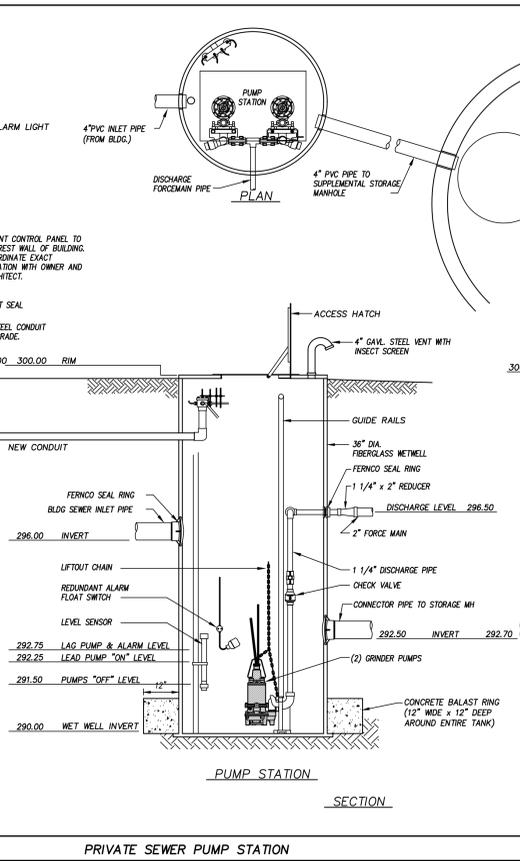
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NOTES:
1. ENCASUREMENT PIPE SHALL BE HIGH STRENGTH STEEL, SPIRAL WELDED OR SMOOTH-WALL SEAMLESS PER ASTM A 139 AND ASTM A 286 GRADE 304 STAINLESS STEEL WITH A MIN. YIELD STRENGTH OF 35,000-PSI, MIN. WALL THICKNESS OF 0.375-IN.
2. ENCASUREMENT PIPE SHALL BE INSTALLED AROUND NEW SEWER PIPE IN TWO PASSES AND FIELD-WELDED LONGITUDINALLY TO AVOID DISRUPTION OF EXISTING SEWER MAIN.
3. EXTENSION OF ENCASUREMENT PIPE SHALL BE COATED WITH TWO COATS OF A COMPATIBLE BLACK EPOXY WITH A TOTAL DRY FILM THICKNESS OF 19-MILS PER COAT. DRYING CLADDING SHALL BE THINER IN-BUILD THEM-TAR SERIES 484-413 ON APPROVED EQUAL PIPE SHALL BE COATED INSIDE AND OUTSIDE IN ACCORDANCE WITH ANMA C203 AND ANY ADDITIONAL REQUIREMENTS OF THE NOTOT.
4. METAL "SPIDER" PIPE ALIGNMENT DEVICES SHALL BE INSTALLED IN CASING WITH A MINIMUM OF TWO SPIDERS PER CARRIER PIPE JOINT LOCATED 1/4 OF THE PIPE JOINT LENGTH IN FROM BOTH THE BELL AND SPIGOT ENDS.



ELECTRICAL CONTROL NOTES:
1. ALL ELECTRICAL WORK SHALL CONFORM TO LATEST NATIONAL, STATE AND LOCAL CODES AND REQUIREMENTS.
2. PANEL LAYOUT IS SCHEMATIC ONLY. ADJUST AS NEEDED TO ACCOMMODATE EQUIPMENT.
3. ALL ENCLOSURES SHALL BE NEMA 4 RATED AND LOCKABLE.
4. ALL CONDUITS SHALL BE SEALED TO PREVENT MOISTURE, SEWER GASES, ETC. FROM ENTERING EQUIPMENT ENCLOSURES.
5. NO EQUIPMENT SHALL BE MOUNTED LESS THAN 36-IN ABOVE GRADE.



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NO.	DATE	DESCRIPTION
1	2/20/24	ADDENDUM #1

COOPER ACADEMY A & R

PROJECT TITLE
"CLIENT'S PROJECT" # - XXX



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Town of Clayton Planning Department
Planning Director:
Official Document

This document has been reviewed by the Town of Clayton and to the best of our knowledge and belief, conforms to all laws, ordinances, policies and specifications that are applicable. Approval by the Town of Clayton does not relieve the Applicant and/or Design Professional from the responsibility for preparing or design or for errors or omissions in the plans and specifications and meeting all applicable standards and regulations.

BID DOCUMENTS
PROJECT PHASE
2307
BOOMERANG DESIGN PROJECT NUMBER
02.07.24
DRAWING RELEASE DATE

DETAILS