



# Village of CALEDONIA

Office of the Utility Director  
Anthony A. Bunkelman P.E.  
5043 Chester Lane  
Racine, WI 53402  
[www.caledonia-wi.gov](http://www.caledonia-wi.gov)

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Wednesday, May 12, 2021

Racine Wastewater Utility  
c/o Michael Gitter, Interim General Manager  
City Hall Annex Room 227  
800 Center Street  
Racine, WI 53403

RE: Approval of Caledonia Utility District Sanitary Sewer Extension–Deepwood Drive  
CSM – Village of Wind Point

Dear Mr. Gitter:

The Caledonia Utility District has received, reviewed, and will approve Sanitary Sewer plans for the Deepwood Drive CSM in the Village of Wind Point. As you may be aware, the Caledonia Utility District provides Sanitary Sewer Service for the Village of Wind Point. The Deepwood Drive CSM is located in the Southeast ¼ of Section 28, Range 23 East, Town 4 North in the Village of Wind Point.

The Deepwood Drive CSM is more specifically located on the South side of Deepwood Drive between Lakewood Drive and North Main Street. The CSM proposes the creation of 4 residential lots and 1 outlot.

Lot 1 of the CSM will be served by the existing sanitary sewer within North Main Street and the remaining 3 lots will be served by the proposed Sanitary Sewer Extension. The proposed extension includes 175.1' of 8" PVC along Deepwood Drive.

The Caledonia Utility District is hereby requesting approval from the Racine Wastewater Utility for the construction of a 175.1' Sanitary Sewer Extension for the Deepwood Drive CSM.

If there are any questions about this request, please contact me directly at 262-835-6416 or [abunkelman@caledonia-wi.gov](mailto:abunkelman@caledonia-wi.gov)

Sincerely,

A handwritten signature in blue ink that reads "Anthony Bunkelman".

Anthony A. Bunkelman P.E.  
Utility Director

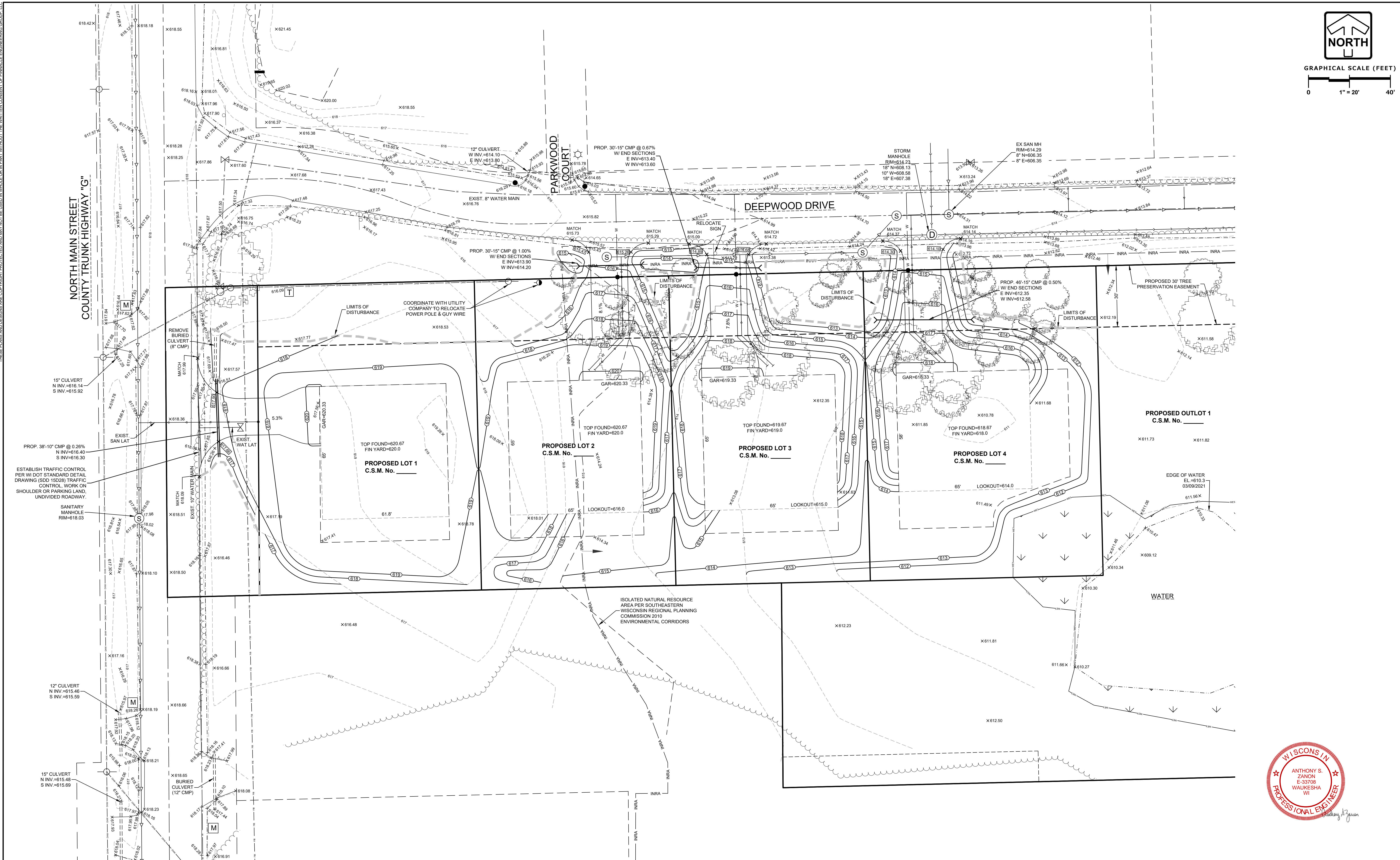
Village of Caledonia  
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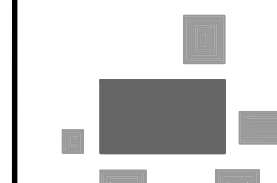
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GRAPHICAL SCALE (FEET)

0 1" = 20' 40'





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# 4403 NORTH MAIN STREET

PART OF THE NE 1/4 OF THE SE 1/4 OF SEC. 28, T4N, R23E,  
VILLAGE OF WIND POINT, RACINE COUNTY, WISCONSIN

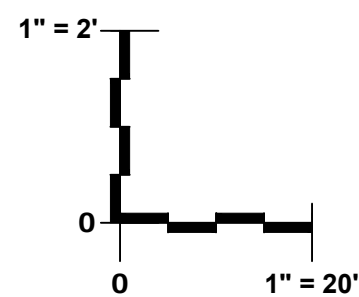
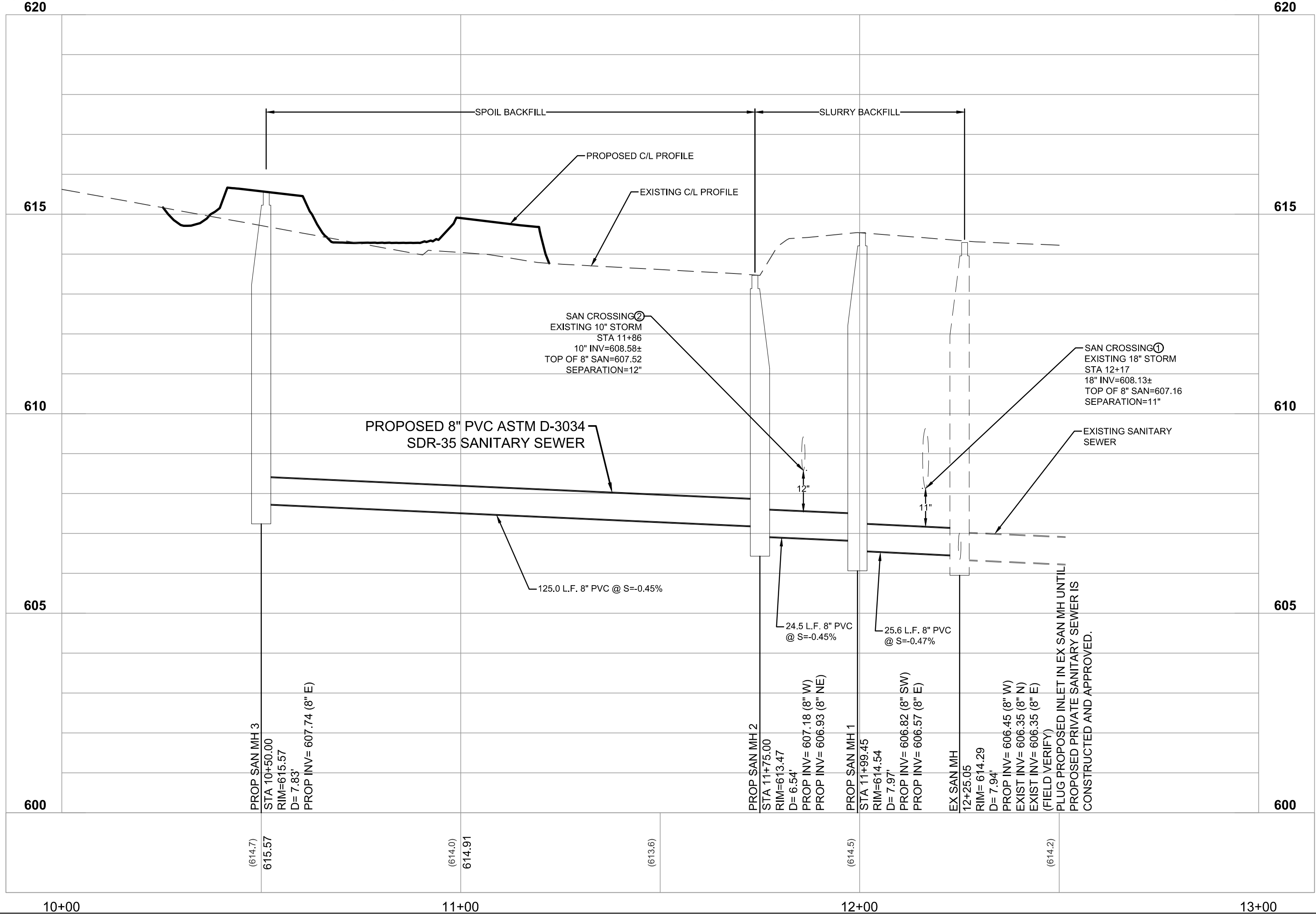
## MASTER GRADING PLAN

REVISIONS		
1	LOT 1 DRIVEWAY LOCATION	04/05/2021
2	CALEDONIA UTILITY COMMENTS	05/07/2021
3	CALEDONIA UTILITY COMMENTS	05/11/2021

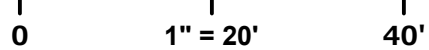
REG JOB No.	2108.00	ASZ
DATE	03/24/2021	SCALE 1"=20'
SHEET	2	OF 4



1. PRIOR TO INSTALLING THE SANITARY SEWER, THE EXISTING SANITARY LATERAL TO BE USED FOR PROPOSED LOT 1 WILL NEED TO BE TELEVIEWED. THIS LATERAL SHALL BE TELEVIEWED FROM THE RIGHT-OF-WAY LINE TO THE SANITARY SEWER MAIN TO ENSURE THAT THE LATERAL IS IN GOOD CONDITION. THE LATERAL SHALL BE TELEVIEWED BY A 3RD PARTY AND COPIES OF THE TELEVIEWING REPORT, TELEVIEWING VIDEO AND RECOMMENDATION SHALL BE SUBMITTED TO THE CALEDONIA UTILITY DISTRICT. IF THE SANITARY SEWER LATERAL IS DETERMINED TO NOT BE IN GOOD CONDITION, THEN THE EXISTING LATERAL SHALL BE PROPERLY ABANDONED AND THE PROPOSED SANITARY SEWER MAIN SHALL BE EXTENDED TO SERVE LOT 1 IN ADDITION TO THE OTHER LOTS.
2. IF THE LATERAL FOR LOT 1 IS DEEMED ACCEPTABLE FOR REUSE AND THE LATERAL IS FOUND TO NOT EXTEND TO THE RIGHT-OF-WAY LINE DURING TELEVIEWING, THE LATERAL SHALL BE EXTENDED AND A SANITARY SEWER CLEANOUT SHALL BE INSTALLED AT THE RIGHT-OF-WAY LINE. IF THE LATERAL FOR LOT 1 IS DEEMED ACCEPTABLE FOR REUSE AND THE LATERAL IS FOUND TO EXTEND TO THE RIGHT-OF-WAY LINE DURING TELEVIEWING, A SANITARY SEWER CLEANOUT SHALL BE INSTALLED AT THE RIGHT-OF-WAY LINE.
3. SEE ADDITIONAL NOTES AND DETAILS ON SHEET 4.



**GRAPHICAL SCALE (FEET)**



**CALL DIGGERS HOTLINE**  
1-800-242-8511

TOLL FREE

WIS STATUTE 182.017

REQUIRES MIN. 8 WORK  
NOTICE BEFORE YOU EX

MILV. AREA 259

**NOTE:** The location and size of the underground structures and utilities shown herein have been located to a reasonable degree of accuracy, but the Engineer and/or Surveyor does not guarantee their exact location or the location of others not shown.  
Contact Diggers Hotline, Inc., Etc.

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VILLAGE OF WIND POINT, RACINE COUNTY, WISCONSIN

## UTILITY PLAN & PROFILE

## REVISIONS

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EG PM ASZ

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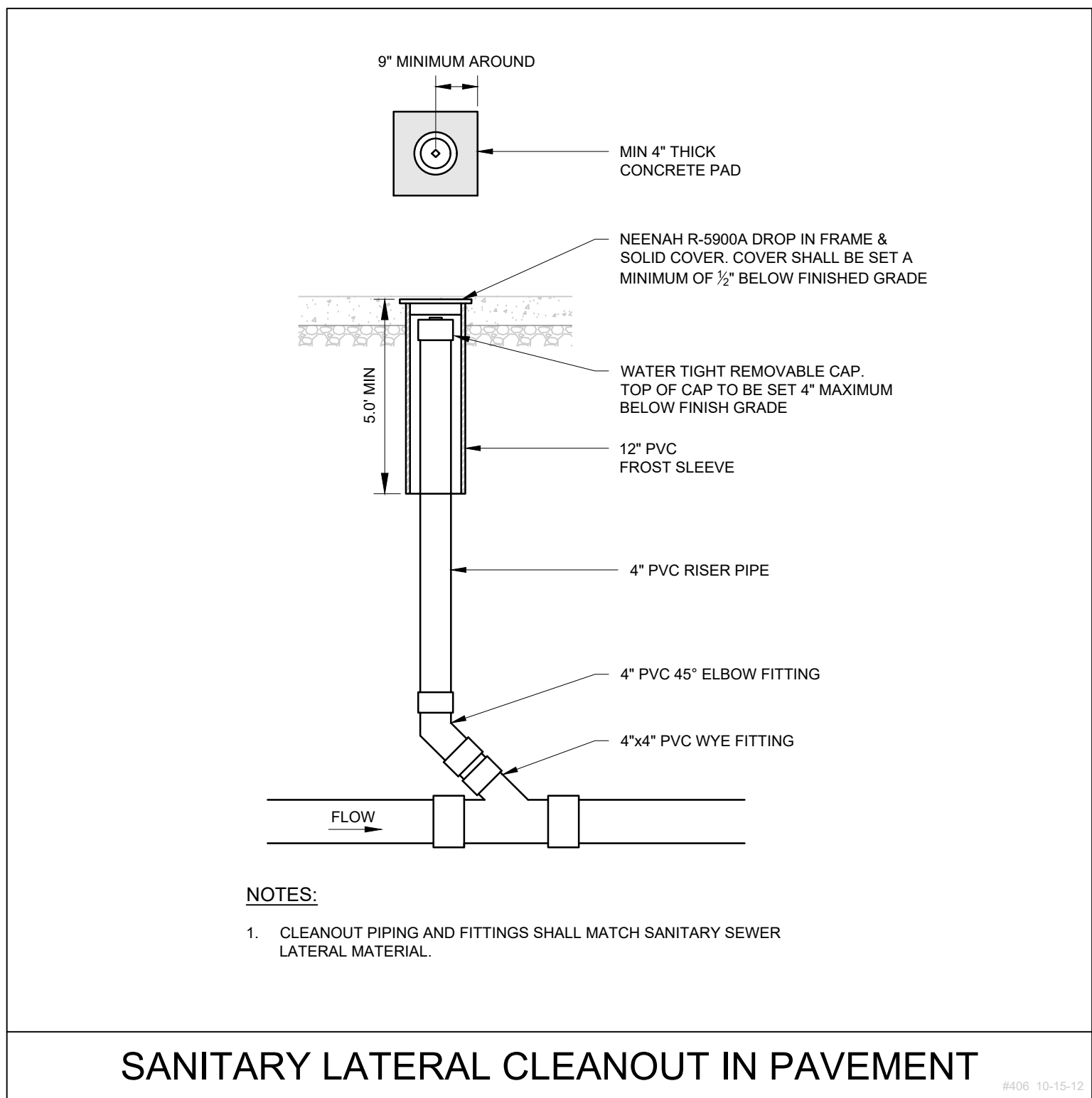
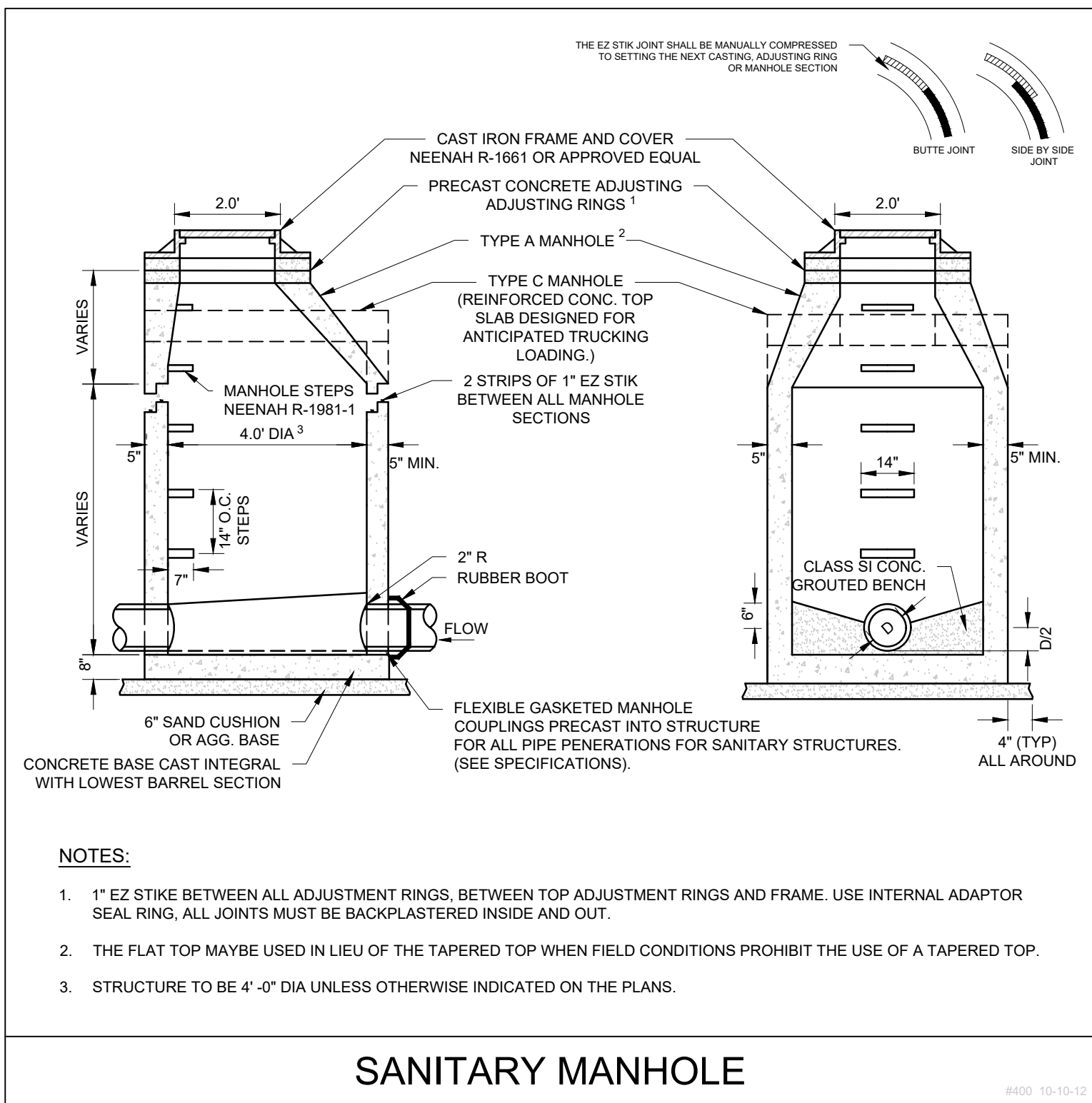
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## UTILITY PLAN & PROFILE

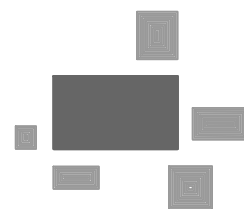


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## UTILITY NOTES

- UTILITY NOTES:
- GENERAL
    - ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE VILLAGE OF CALEDONIA UTILITY DISTRICT, THE VILLAGE OF WIND POINT, THE STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN, CURRENT EDITION, AND SPS 382 AND 384
    - THE CONTRACTOR SHALL CONTACT DIGGERS HOTLINE A MINIMUM OF 3 WORKING DAYS PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES FOR ANY REMOVAL OR RELOCATIONS OF EXISTING SERVICES.
    - UTILITY CONTRACTOR IS RESPONSIBLE FOR LEVELING THE EXCESS SPOIL MATERIAL FROM THE TRENCH.
    - ALL BEDDING MATERIAL SHALL BE CRUSHED STONE CHIPS PER STANDARD SPEC SECTION 8.43.2(A). USE SPOIL BACKFILL MEETING STANDARD SPEC SECTION 8.43.5. LARGE STONES OR HARD OR FROZEN LUMPS OF MATERIAL WILL NOT BE ALLOWED IN THE BACKFILL. BACKFILL SHALL BE DEPOSITED AND CONSOLIDATED IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 2.6.14. IN DEEPWOOD DRIVE, USE SLURRY BACKFILL MEETING STANDARD SPEC SECTION 8.43.8.
    - CONTRACTOR TO PROVIDE FLAGMAN AND SIGNAGE FOR WORK IN THE DEEPWOOD DRIVE RIGHT-OF-WAY. SIGNAGE SHALL MEET THE CURRENT MUTCD. THE ROAD SHALL BE OPEN TO TRAFFIC AT ALL TIMES.
  - SANITARY SEWER
    - ALL SANITARY SEWER MAINS AND LATERALS SHALL BE INSTALLED PER CALEDONIA UTILITY DISTRICT SPECIFICATIONS.
    - THE SANITARY SEWER PIPE AND SANITARY LATERALS SHALL BE PVC ASTM D3034 SDR 35. ELASTOMERIC JOINTS SHALL BE A BELL AND SPIGOT JOINT CONFORMING TO ASTM D3212 SEALED BY A RUBBER GASKET CONFORMING TO ASTM F477.
    - ALL MANHOLES SHALL BE PRECAST REINFORCED CONCRETE AND HAVE A MINIMUM INSIDE DIAMETER OF 48 INCHES. MINIMUM WALL THICKNESS SHALL BE PER TABLE NO. 1 IN FILE NO. 12 OF THE STANDARD SPECIFICATIONS. PRECAST CONCRETE MANHOLE BASE, BARREL RISERS, CONE SECTION AND ADJUSTING RINGS SHALL MEET THE REQUIREMENTS OF ASTM C-478. MANHOLES SHALL BE CONSTRUCTED PER DRAWING FILE NO. 12 OF THE STANDARD SPECIFICATIONS AND VACUUM TESTED IN ACCORDANCE WITH SECTION 3.7.6 OF THE STANDARD SPECIFICATIONS.
    - MANHOLE FRAMES AND COVERS SUPPLIED BY THE CONTRACTOR SHALL BE NEENAH R-1661-B SELF SEALING, CONCEALED PICK HOLE, NO VENTS.
    - LATERALS SHALL BE 4" IN DIAMETER AND INSTALLED AS SHOWN ON THE UTILITY PLAN. A MAPLEHEART SHALL BE INSTALLED AT THE END OF ALL LATERALS, AND THE TOP 12" SHALL BE PAINTED GREEN UPON COMPLETION OF THE LATERAL INSTALLATION.
    - BEFORE STARTING, BULKHEAD AND/OR PLUG THE CONNECTION TO THE EXISTING SEWER. LEAVE IN PLACE UNTIL NEW SEWER HAS BEEN CLEANED AND ACCEPTED.
    - CONTRACTOR TO INSTALL GREEN PLASTIC COATED TRACER WIRE (10 GAUGE SOLID COPPER) PER SPS 382.30(11)(H). PLASTIC WIRE MAY BE TAPED TO PLASTIC DRAIN PIPE. IF ATTACHED, THE TRACER SHALL BE SECURED EVERY 6 TO 20 FEET AND AT ALL BENDS. SPLICES SHALL BE CONNECTED BY USING A SNAKEBITE LOCKING CONNECTOR OR APPROVED EQUAL. INSTALL DETECTOR WIRE AT EVERY MAIN, LATERAL, AND MANHOLE. SANITARY WIRES MAY BE PLACED INTO THE MANHOLE BELOW THE FRAME. AN ANODE ROD SHALL BE INSTALLED AT ALL DEAD ENDS, INCLUDING LATERALS.
    - CONTRACTOR SHALL CLEAN AND TELEWISE THE ENTIRE SANITARY SEWER SYSTEM PRIOR TO ACCEPTANCE.
  - WATER LATERALS
    - WATER LATERALS SHALL BE 1-1/4" HDPE CONFORMING TO AWWA C901 AND PE 3608. IT SHALL HAVE A RATED WORKING PRESSURE OF 200 PSI. STAINLESS STEEL INSERTS SHALL BE PROVIDED AT COMPRESSION JOINTS.
    - CONTRACTOR SHALL INSTALL BLUE PLASTIC COATED TRACER WIRE (10 GAUGE SOLID COPPER). PLASTIC WIRE MAY BE TAPED TO PLASTIC PIPE. IF ATTACHED, THE TRACER SHALL BE SECURED EVERY 6 TO 20 FEET AND AT ALL BENDS. SPLICES SHALL BE CONNECTED USING A SNAKEBITE LOCKING CONNECTOR OR APPROVED EQUAL. INSTALL DETECTOR WIRE AT EVERY LATERAL, CURB STOP AND VALVE BOX. TRACER WIRES SHALL BE WRAPPED AROUND THE CURB STOP AND HYDRANT AT GROUND LEVEL. AN ANODE ROD SHALL BE INSTALLED AT ALL DEAD ENDS.
    - MARK THE END OF THE LATERALS WITH A WOODEN 2"x4" BOARD EXTENDING FROM THE INVERT OF THE LATERAL TO TWO FEET ABOVE GROUND LEVEL. THE TOP 12" SHALL BE PAINTED BLUE UPON COMPLETION OF LATERAL INSTALLATION.



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**CONSTRUCTION  
DETAILS**

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