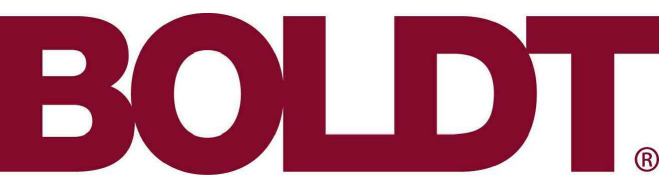
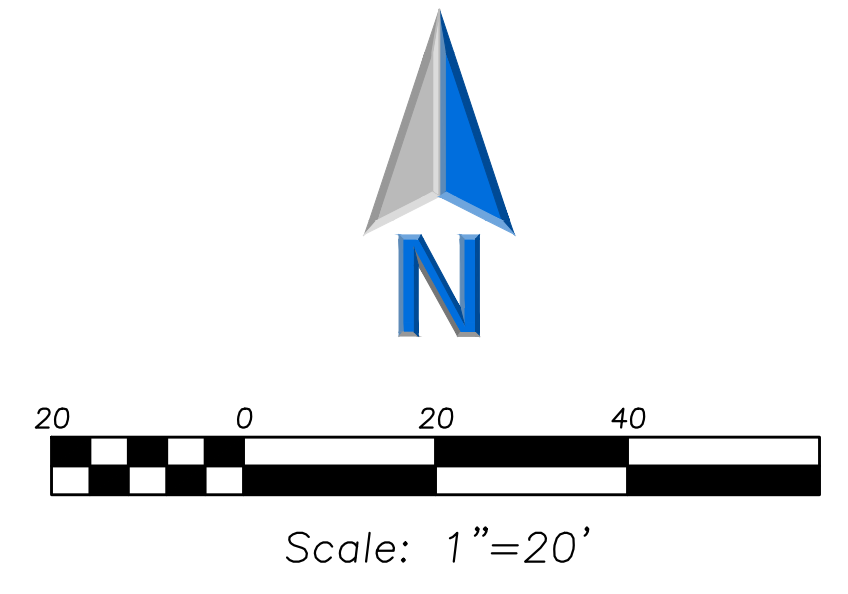
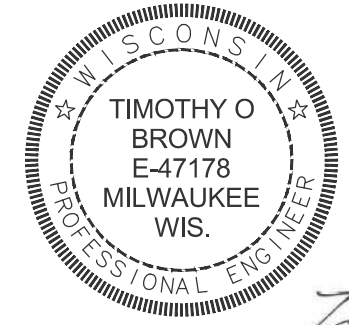


HDR Architecture  
30 WEST MONROE STREET  
SUITE 700  
CHICAGO, IL 60603



ADVOCATE AURORA HEALTH  
SW WAUKESHA CLINIC  
1005 Spring City Dr.  
Waukesha, WI 53186



**UTILITY NOTES**

- Utility Service Lines as Shown Hereon are Approximate. Coordinate the Exact Locations With The Plumbing Drawings. Coordinate the Locations With The Plumbing Contractor and/or the Owner's Construction Representative Prior to Installation of Any New Utilities.
- Refer to Plumbing Drawings for Continuation of All Utilities Within 5 Feet of Building Foot.
- Field Verify Invert & Locations of Existing Utility Mains. All Elevations and Inverts Referencing Solid Utility Shall Be Field Verified Prior to Installation of Any New Structures Or Utilities, and Adjustments Shall Be Made as Necessary. Contact Engineer Prior to Installation if Discrepancy Exists With These Drawings.
- Coordinate the Relocation of Any Utilities Encountered And Replacement of Any Utilities Damaged Within Influence Zone of New Construction. Contact Engineer if The Existing Utilities Vary Appreciably From The Plans.
- Protection of water supplies shall be as described in Chapter NR811 of the Wisconsin Administrative Code
- Clean Out All Existing and Proposed Storm Inlets and Catch Basins at the Completion of Construction.
- The "Standard Specifications for Sewer and Water Construction in Wisconsin", Current Edition Shall Govern Work Where Applicable.

**STORM SEWER NOTES**

- Storm Sewer:
  - Reinforced Concrete Pipe Shall Conform To ASTM C76, Class R
  - Joints Shall Be Either Rubber Ring Or Bituminous Mastic Type
  - Bedding & Cover Materials Shall Be Crushed Stone, Crushed Stone Screenings, Or Sand.
  - Filling Lifting Holes With Fire Formed Plugs And Seal With Travelable Butyl Rubber Or Mortar.
- Storm Manhole:
  - 48-inch Minimum ID Precast With Eccentric Cone Or Flat-Top
  - Frames And Covers Shall Be Neenah R-1550 With Non-rocking, Self-sealing Type B Lid With 2 Concealed Lift Holes With The Word "STORM" Concrete Or WisDOT Approved Adjusting Rings
  - Manhole Steps Shall Be Spaced 16-inches Center To Center
  - Manhole Joints Shall Be Sealed With Circular O-ring Conforming To ASTM C443 Or Bituminous Jointing Material Equal To EZ-Stick, Kent Seal, Ram-Nek, Or Mess-Stik Butyl Rubber Gaskets Or Butyl Rubber Rope Manholes Shall Be Adjusted So That Existing And Lid Is 1/4-inch Below Grade of Asphalt Binder. A Cast Iron Adjusting Ring Shall Be Installed At The Time Of Asphalt Surface Placement.
  - Adjusting Rings And Frame Shall Be Placed With Mortar And Not Exceed 8-inches.
  - Brick And Mortar To Seal Pipe Connections.
- Inlet:
  - 2-R X 3-ft Precast Concrete
  - Frames And Covers Shall Be Neenah R-3067-R Concrete Or WisDOT Approved Adjusting Rings
  - Adjusting Rings And Frame Shall Be Placed With Mortar
  - Brick And Mortar To Seal Pipe Connections.
- Catch Basin:
  - All Catch Basins to be Installed in Paved Areas Shall Have Neenah R2578 Frame & Grate or Approved Equal.
  - All Catch Basins to be Installed in Landscaped Areas Shall Have Neenah R4340-B Frame & Grate or Approved Equal. For Concrete Sections Install a Minimum of 4" Grade Rings For Topsoil Respread. For Flat Slab Tops Install the Following Minimum Height of Grade Rings:
    - Diameter Structure - 4"
    - 5" Diameter Structure - 6"
    - 6" Diameter Structure - 8"
  - All Catch Basins to be Installed Along Curb and Gutter Shall Have Neenah R-3067-R Frame & Grate or Approved Equal.
  - All Catch Basins to be Installed Along Depressed Curb and Gutter Shall Include Slotted Curb Plate

**WATER MAIN NOTES**

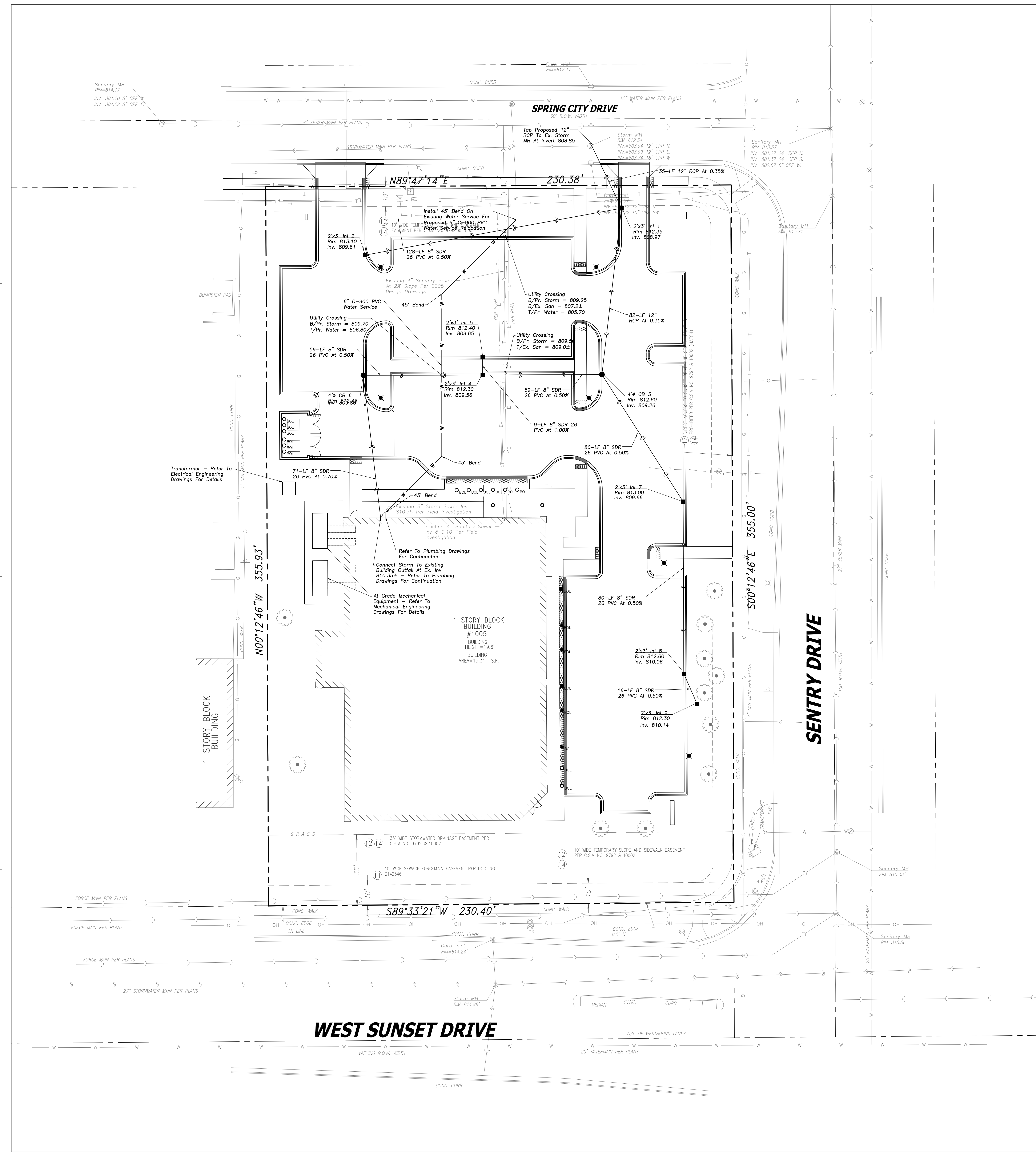
- Water Main:
  - Ductile Iron Pipe Shall Conform To AWWA C-151, Minimum Class 52 With Conductivity Straps
  - PVC Pipe Shall Conform To AWWA C-900, Class 250, SDR 18
  - Bedding & Cover Materials Shall Be Sand, Crushed Stone, Or Crushed Stone Screening. Crushed Stone Shall Be Used In Areas Of High Ground Water
  - Minimum 6-feet Of Cover
  - Backfilling Shall Include 12" Of Gravel Under Roadways, Consolidation By Mechanical Means To 95% Standard Proctor Density For Imported Granular Material And 100% For Excavated Materials Of Existing Material In The Adjacent Trench Wall
  - AWWA C-110 Or C-153 Mechanical Joint Class 350 Fittings With Mega-lug Joint Restraint
  - Mega-lug And Buttress All Fittings

**LEGEND**

EXISTING	PROPOSED

**GENERAL NOTES**

- The Location of Existing Underground Utilities, Such As Watermains, Sewers, Gas Lines, Etc., As Shown On The Plans, Has Been Determined From The Best Available Information and is Given For the Convenience of The Contractor. However, The Owner and The Engineer Do Not Assume Responsibility In The Event That During Construction, Utilities Other Than Those Shown May Be Encountered, and That the Actual Location of Those Which Are Shown May Be Different From the Location As Shown On The Drawings. Contact Engineer Immediately if Surface and/or Subsurface Features Are Different Than Shown On The Drawings.
- Notify The Engineer Without Delay of Any Discrepancies Between the Drawings and Existing Field Conditions
- Notify The Owner, Engineer and The City of Waukesha A Minimum of 48 Hours In Advance of Performing Any Work.
- All Areas, On or Off Site, Disturbed During Construction Operations and Not Part of the Work As Shown Hereon Shall Be Restored to Original Condition to the Satisfaction of the Owner at No Additional Cost to the Owner. It is incumbent Upon Contractor to Show that Damaged Areas Were Not Disturbed by Construction Operations.
- These Drawings Assume That the Contractor Will Utilize An Electronic Drawing File (DWG) and Stake All Site Improvements Accordingly.
- No Person May Utilize The Information Contained Within These Drawings Without Written Approval From Eriksson Engineering Associates, Ltd.
- The Engineer is Furnishing These Drawings For Construction Purposes As A Convenience to The Owner, Architect, Surveyor or Contractor. Prior to the Use Of These Drawings For Construction Purposes, The User Of These Drawings Shall Verify All Dimensions and Locations of Buildings With The Foundation Drawings and Architectural Site Plan, and Coordinate All Dimensions and Locations of All Site Items. If Conflicts Exist The User Of This Information Shall Contact The Engineer Immediately.
- Provide An As-built Survey Prepared By A Licensed Professional Land Surveyor in Accordance With The Authorities Having Jurisdiction Which Shall Include As a Minimum All Detention Basins and Best Management Practices, include All Storm and Sanitary Sewers, Structure Locations, Sizes, Rim and Invert Elevations, Final Detention Volume Calculations For The Basin(s), Watermain and Valve and Appurtenance Locations.
- The Wisconsin Department of Transportation (WisDOT) Standard Specifications For Highway And Structure Construction Latest Edition, And All Addenda Thereto, Shall Govern The Earthwork And Paving Work Under This Contract Unless Noted Otherwise.
- All Traffic Control Requirements Shall Be Governed By WisDOT Traffic Engineering, Operations and Safety Manual (TEOpS)



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MARK	DATE	DESCRIPTION

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Sheet Name  
SITE UTILITY PLAN

Sheet Number  
C-300

Project Status



















