



UTILITY LEGEND

W	EX. WATER LINE
⊕	EX. HYDRANT
W	EX. WATER VALVE
—	EX. SANITARY SEWER LINE
⊙	EX. SANITARY SEWER MANHOLE
⊙	EX. SANITARY SEWER CLEANOUT
—	EX. STORM DRAIN LINE
⊙	EX. STORM MANHOLE
—	EX. STORM STRUCTURE/INLET
—	EX. GAS LINE
—	EX. GAS METER
—	EX. UNDERGROUND ELECTRIC LINE
—	EX. UNDERGROUND TELEPHONE LINE
⊙	EX. LIGHT POLE
—	PROPOSED UNDERGROUND ELECTRIC LINE
—	GAS LINE (BY GAS COMPANY)
—	PROPOSED PHONE LINE
—	PROPOSED STORM SEWER LINE
⊙	PROPOSED OPEN LID STORM STRUCTURE (PAVEMENT USE NENAH R-2540) (GRASS USE NENAH R-4340-B BEEHIVE)
⊙	PROPOSED CLOSED LID STORM STRUCTURE (PAVEMENT USE NENAH R-1772) (GRASS USE NENAH R-1786)
⊙	PROPOSED OPEN LID CURB STRUCTURE (B6.12 C&G USE NENAH R-3281-A)
—	PROPOSED SANITARY SEWER LINE
⊙	PROPOSED SANITARY MANHOLE
—	PROPOSED STORM/SANITARY CLEANOUT
—	PROPOSED WATER LINE
⊙	PROPOSED VALVE VAULT
⊙	PROPOSED VALVE BOX
⊙	PROPOSED FIRE HYDRANT
⊙	PROPOSED LIGHT POLE
⊙	PROPOSED TRANSFORMER PAD (BY OTHERS)

UTILITY NOTES

- GENERAL UTILITY NOTES**
- ALL WATER LINES SHALL BE DUCTILE IRON PIPE, CLASS 52 WITH 72" MINIMUM COVER PER STATE AND LOCAL SPECS.
 - ALL SANITARY SEWER LINES SHALL BE PVC MEETING, ASTM D-3034 SDR 26 EXCEPT FOR SANITARY SEWER THAT CROSSES ABOVE WATER MAIN, THIS PIPE SHALL BE AWWA C900 (UNLESS WATER MAIN CASING IS UTILIZED). PROVIDE 60" MINIMUM COVER.
 - CONTRACTOR SHALL COORDINATE ANY DISRUPTIONS TO EXISTING UTILITY SERVICES WITH ADJACENT PROPERTY OWNERS.
 - ALL ELECTRIC AND TELEPHONE EXTENSIONS INCLUDING SERVICE LINES SHALL BE CONSTRUCTED TO THE APPROPRIATE UTILITY COMPANY SPECIFICATIONS. ALL UTILITY DISCONNECTIONS SHALL BE COORDINATED WITH THE DESIGNATED UTILITY COMPANIES.
 - CONSTRUCTION SHALL NOT START ON ANY PUBLIC UTILITY SYSTEM UNTIL WRITTEN APPROVAL HAS BEEN RECEIVED BY THE ENGINEER FROM THE APPROPRIATE GOVERNING AUTHORITY AND CONTRACTOR HAS BEEN NOTIFIED BY THE ENGINEER.
 - CONTRACTOR TO CALL "DIGGERS HOTLINE" (1-800-242-8511) TO COORDINATE FIELD LOCATIONS OF EXISTING UNDERGROUND UTILITIES BEFORE ORDERING MATERIALS OR COMMENCING CONSTRUCTION. NOTIFY ENGINEER OF ANY DISCREPANCIES IMMEDIATELY.
 - PRIOR TO THE CONSTRUCTION OF OR CONNECTION TO ANY STORM DRAIN, SANITARY SEWER, WATER MAIN OR ANY OTHER UTILITIES, THE CONTRACTOR SHALL EXCAVATE, VERIFY AND CALCULATE ALL POINTS OF CONNECTION AND ALL UTILITY CROSSINGS AND INFORM THE ENGINEER AND THE OWNER/DEVELOPER OF ANY CONFLICT OR REQUIRED DEVIATIONS FROM THE PLAN. NOTIFICATION SHALL BE MADE A MINIMUM OF 72 HOURS PRIOR TO CONSTRUCTION. THE ENGINEER AND ITS CLIENTS SHALL BE HELD HARMLESS IN THE EVENT THAT THE CONTRACTOR FAILS TO MAKE SUCH NOTIFICATION. THE CITY OF MADISON SHALL BE NOTIFIED OF ANY AND ALL CHANGES TO THE DESIGN PLANS.
 - CONTRACTOR SHALL COMPLY COMPLETELY WITH THE LATEST STANDARDS OF OSHA DIRECTIVES OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURES. THE CONTRACTOR SHALL USE SUPPORT SYSTEMS, SLOPING, BENCHING AND OTHER MEANS OF PROTECTION. THIS IS TO INCLUDE BUT NOT LIMITED TO ACCESS AND EGRESS FROM ALL EXCAVATION AND TRENCHING. CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH PERFORMANCE CRITERIA AS REQUIRED BY OSHA.
 - CONTRACTOR TO AVOID DISRUPTION OF ANY ADJACENT TENANT'S TRAFFIC OPERATIONS DURING INSTALLATION OF UTILITIES.
 - ALL DIMENSIONS ARE TO CENTERLINE OF PIPE OR CENTER OF MANHOLE UNLESS NOTED OTHERWISE.
 - SEE ARCHITECTURAL AND MEP PLANS FOR EXACT UTILITY CONNECTION LOCATIONS AT BUILDING.
 - LIGHT POLES SHOWN FOR COORDINATION PURPOSES ONLY AND DO NOT REPRESENT ACTUAL SIZE. SEE SITE LIGHTING PLANS BY OTHERS FOR MORE INFORMATION.
 - SEE DETAILS FOR LOCATING STORM STRUCTURES WITHIN THE CURB LINE.
 - STORMWATER FACILITIES MUST BE FUNCTIONAL BEFORE BUILDING CONSTRUCTION BEGINS.
 - UTILITY CONTRACTOR SHALL OBTAIN A CONNECTION AND EXCAVATION PERMIT, PRIOR TO COMMENCING ANY UTILITY CONSTRUCTION.
 - ANY DEWATERING REQUIRES A DEWATERING PERMIT.

<p>Kimley-Horn © 2014 KIMLEY-HORN AND ASSOCIATES, INC. 200 SOUTH EXECUTIVE DRIVE, SUITE 101 BROOKFIELD, WI 53005 WWW.KIMLEY-HORN.COM</p>	<p>SCALE: AS NOTED DESIGNED BY: SEM DRAWN BY: LS CHECKED BY: SEM</p>
<p>NOT FOR CONSTRUCTION</p>	
<p>CA VENTURES Student Living Residential Office Hospitality Senior Living</p>	
<p>UTILITY PLAN</p>	
<p>MADISON STUDENT HOUSING</p>	
<p>ORIGINAL ISSUE: 11/18/2014 KHA PROJECT NO. 168299000 SHEET NUMBER C8.0</p>	
	<p>FINAL CD'S (1ST SUBMITTAL) 04/02/15 SEM 2nd UDC SUBMITTAL 03/04/15 SEM REVISIONS DATE BY</p>