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**PROJECT INFORMATION**  
 Wisconsin Avenue  
 Student Apartments

8901 W. Wisconsin  
 Ave. Milwaukee, WI  
 53226



**ISSUANCE AND REVISIONS**  
 FOOTING AND  
 FOUNDATION  
 PERMIT SET

**REVISIONS**

#	DATE	DESCRIPTION

**KEY PLAN**



**LOCATION MAP**  
 Not To Scale



**AERIAL IMAGE (EXISTING SITE)**  
 Not To Scale

**CIVIL PLAN SET**

SHEET NO.	DESCRIPTION
T100	TITLE SHEET (CNCL)
C100	EXISTING SITE & DEMOLITION PLAN
C101	PROPOSED SITE PLAN
C102	PROPOSED GRADING PLAN
C103	PROPOSED UTILITY PLAN
C104	PROPOSED EROSION CONTROL PLAN

**SHEET INFORMATION**

<b>CONSTRUCTION DOCUMENTS &amp; PERMIT SET</b>	RS
<b>PROJECT MANAGER</b>	RS
<b>PROJECT NUMBER</b>	713034-01
<b>DATE</b>	09/09/13

**TITLE SHEET**  
 (CIVIL)

**T100**

**PROJECT NOTES**

**EXISTING CONDITIONS AND DEMOLITION NOTES:**  
 1. CONTRACTOR TO FIELD VERIFY EXISTING SITE PRIOR TO BEGIN. CONTRACTOR SHALL REMOVE, RELOCATE, REPLACE OR DEMOLISH ANY OTHER ITEMS AS DIRECTED BY THE CONSTRUCTION NUMBER.

**SITE NOTES:**  
 1. THE PROPOSED CIVIL PLANS ILLUSTRATE THE IMPROVEMENTS ASSOCIATED WITH THE NEW ADDITIONAL CONSTRUCTION DEMOLITION TO REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL CONSTRUCTION DEMOLITION.  
 2. CONTRACTOR TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FOR CONSTRUCTION.

**GRADING AND EROSION CONTROL NOTES:**  
 1. SEE PLANS FOR EROSION CONTROL DETAILS & CONSTRUCTION SEQUENCE.  
 2. THE PROPOSED GRADING PROJECT WILL BE CONSTRUCTED APPROXIMATELY 60 FEET OF LANE. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY NECESSARY CONSTRUCTION SITE AND/OR EROSION CONTROL PERMITS FROM THE CITY OF MILWAUKEE.

**UTILITY NOTES:**  
 1. OWNER AND CONTRACTOR TO COORDINATE WITH UTILITY COMPANY REGARDING OVERHEAD CONDUITS TO FIELD VERIFY EXISTING UTILITY LOCATIONS AND DEPTHS. CONTRACTOR TO VERIFY PIPE LOCATIONS, SIZES, AND DEPTHS AT POINT OF PROPOSED CONNECTIONS TO VERY PROPOSED UTILITY ROUTE IS CLEAR (TO CROSS) OF ALL EXISTING UTILITIES AND SHALL BE THE CARE FROM TO CONSTRUCTION. COSTS INCURRED FOR FAILURE TO DO SO SHALL BE THE CARE FROM TO CONSTRUCTION. (INCLUDING SEWER AND WATER) AT LEAST 72 HOURS PRIOR TO EXCAVATION.  
 2. ALL PROPOSED SWIMWAY SEWER SHALL BE 36" DIA. PVC. ALL PROPOSED WASTEWATER PIPE SHALL BE 18" DIA. PVC. ALL PROPOSED SANITARY SEWER SHALL BE 18" DIA. PVC. ALL UTILITIES SHALL BE INSTALLED WITH PLASTIC COATED PIPES WITH 10 TO 14 GAUGE PLASTIC WATER OR DRAIN PIPE. IF ATTACHED, THE THICKNESS SHALL BE SECURED EVERY FOOT AND DEPTHS SHALL BE AT ALL POINTS. THICKNESS SHALL HAVE ACCESS POINTS AT LEAST EVERY 300 FEET.  
 3. SEE PLANS FOR ADDITIONAL UTILITY SPECIFICATIONS AND DETAILS.  
 4. THE UTILITY CONTRACTOR SHALL RUN SWIMWAY SERVICE TO A POINT WHICH IS A MINIMUM 5 FEET FROM THE PROPOSED FOUNDATION. THE FOUNDATION SHALL BE SET BY THE PLUMBING CONTRACTOR TO A POINT FROM THE FOUNDATION. THE FOUNDATION SHALL BE SET BY THE PLUMBING CONTRACTOR TO CUT AND CAP WATER SERVICE 12" ABOVE FINISH FLOOR ELEVATION (OR AS OTHERWISE DIRECTED BY THE CONSTRUCTION NUMBER).  
 5. CONTRACTOR SHALL SET, FERTILIZE AND MULCH LAWN AREAS AND DISTURBED AREAS AFTER COMPLETION OF CONSTRUCTION.

**LEGEND**

—	EXISTING CONDUIT
—	EXISTING SWIMWAY SEWER
—	EXISTING SWIMWAY MANHOLE
—	EXISTING WATER MAIN
—	EXISTING HYDRANT
—	EXISTING STORM SEWER
—	EXISTING STORM MANHOLE
—	EXISTING STORM INLET
—	EXISTING TRANSVERSE
—	EXISTING ELECTRIC FEEDLINE
—	EXISTING ELECTRIC FEEDLINE
—	EXISTING GAS FEEDLINE
—	EXISTING GAS FEEDLINE
—	EXISTING A/C UNIT
—	EXISTING POWER POLE
—	PROPOSED SWIMWAY SEWER
—	PROPOSED SWIMWAY MANHOLE
—	PROPOSED WATER MAIN
—	PROPOSED HYDRANT
—	PROPOSED WATER VALVE
—	PROPOSED STORM SEWER
—	PROPOSED STORM MANHOLE
—	PROPOSED STORM INLET

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 Milwaukee, WI 53202  
 414.224.5500  
 www.epsteinwhen.com

**PROJECT INFORMATION**  
 Wisconsin Avenue  
 Student Apartments  
 8901 W. Wisconsin  
 Ave. Milwaukee, WI  
 53226  
**CATALYST**

**ISSUANCE AND REVISIONS**  
**FOOTING AND FOUNDATION PERMIT SET**

**REVISIONS**

#	DATE	DESCRIPTION

**KEY PLAN**

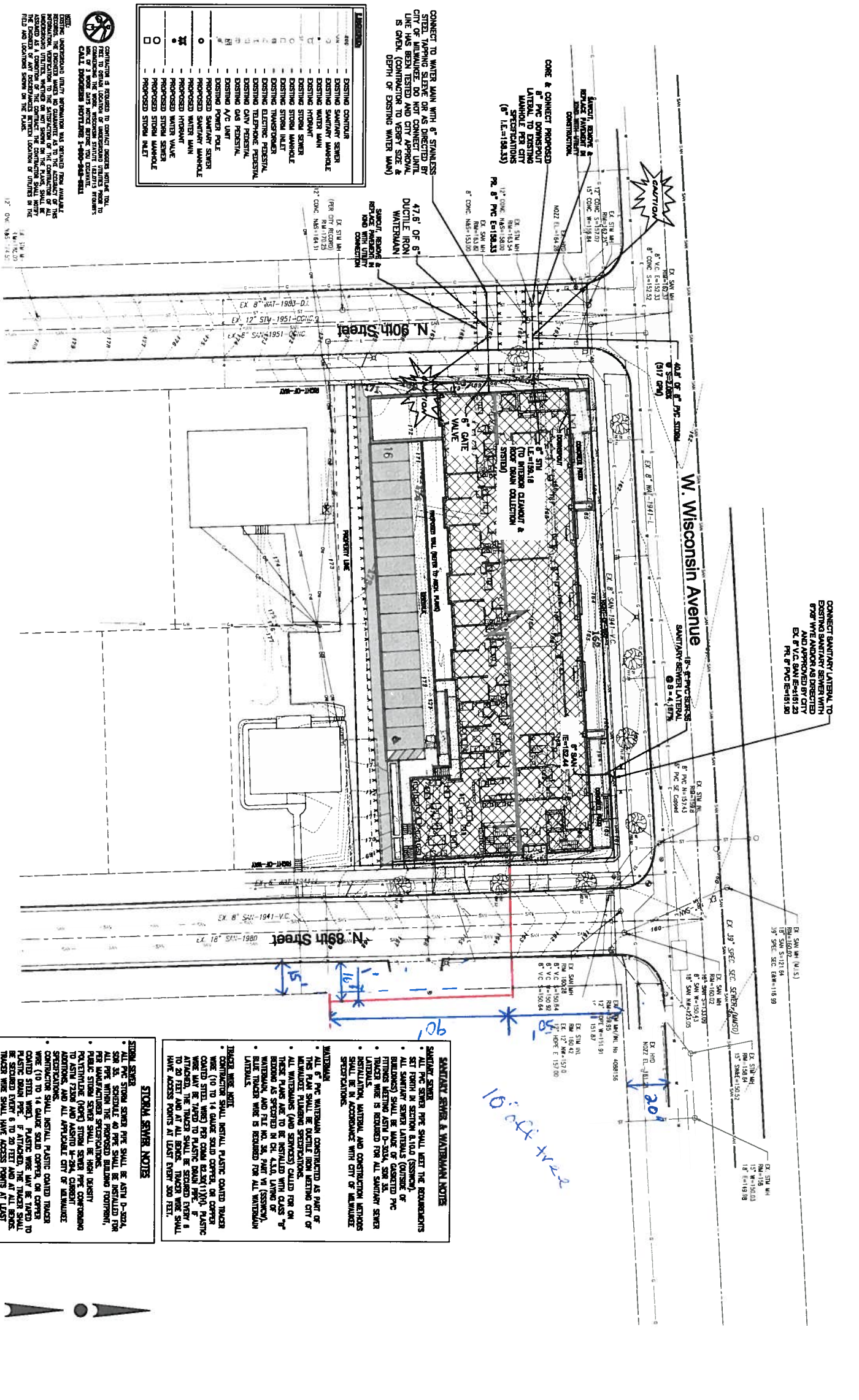
3' DOWN

**SHEET INFORMATION**

<b>CONSTRUCTION DOCUMENTS &amp; PERMIT SET</b>	
PROJECT MANAGER	RS
PROJECT NUMBER	7130301
DATE	09/09/13

**PROPOSED UTILITY PLAN**

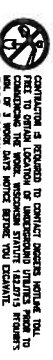
# C103



**LEGEND**

○	EXISTING CONTOUR
○	EXISTING SANITARY SEWER
○	EXISTING WATER MAIN
○	EXISTING HYDRO-PNEUMATIC TANK
○	EXISTING STORM MANHOLE
○	EXISTING THUNDERBOLT
○	EXISTING ELECTRIC FEEDER
○	EXISTING CANV FEEDER
○	EXISTING GAS FEEDER
○	EXISTING A/C UNIT
○	EXISTING POWER POLE
○	PROPOSED SANITARY SEWER
○	PROPOSED WATER MAIN
○	PROPOSED HYDRO-PNEUMATIC TANK
○	PROPOSED STORM MANHOLE
○	PROPOSED THUNDERBOLT
○	PROPOSED ELECTRIC FEEDER
○	PROPOSED CANV FEEDER
○	PROPOSED GAS FEEDER
○	PROPOSED A/C UNIT
○	PROPOSED POWER POLE

CONNECT TO WATER MAIN WITH 6" STAINLESS STEEL APPROX SLABE PER US DISTRICT CITY OF MILWAUKEE. DO NOT CONNECT UNTIL LINE HAS BEEN TESTED AND CITY APPROVAL IS OVEN. (CONTRACTOR TO VERIFY SIZE & DEPTH OF EXISTING WATER MAIN)



**NOTES:**  
 CONTRACTOR IS REQUIRED TO CONTACT DESIGN OFFICE FOR FIELD TO DETERMINE LOCATION OF UNDERGROUND UTILITIES PRIOR TO ANY CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL UTILITIES AND RECORDING THE LOCATION OF UTILITIES IN THE FIELD AND LOCATIONS SHOWN ON THE PLAN.

**STORM SEWER NOTES:**  
 ALL PVC STORM SEWER PIPE SHALL BE ASTM D-3024, 18" DIA. WITH 1/2" THICK WALL AND SHALL BE INSTALLED PER PER MANUFACTURER SPECIFICATIONS.  
 PLASTIC STORM SEWER SHALL BE HIGH DENSITY POLYETHYLENE (HDPE) STORM SEWER PIPE CONFORMING TO ASTM F2918 AND ASTM F-2918, CLASS B, SDR35, SPECIFICATIONS, AND ALL APPLICABLE CITY OF MILWAUKEE SPECIFICATIONS.  
 CONTRACTOR SHALL INSTALL PLASTIC COATED THUNDER WIRE (10 TO 14 GAUGE SOLID COPPER, OR COPPER COATED STEEL WIRE) PLASTIC WIRE MAY BE TAPPED TO PLASTIC DRAIN PIPE. IF ATTACHED, THE THUNDER WIRE SHALL BE SECURED EVERY 6 TO 20 FEET AND AT ALL BENDS, ANGLES AND TEES. THUNDER WIRE SHALL HAVE ACCESS POINTS AT LEAST EVERY 500 FEET.

**SANITARY SEWER & WATERMAIN NOTES:**  
 ALL PVC SEWER PIPE SHALL MEET THE REQUIREMENTS SET FORTH IN SECTION 8104 (SEWER) OF BUILDING CODE. FITTINGS SHALL BE MADE OF COPPER OR BRASS. ALL FITTINGS SHALL BE TAPPED TO SANITARY SEWER THUNDER WIRE IS REQUIRED FOR ALL SANITARY SEWER LATERALS. MATERIAL AND CONSTRUCTION METHODS SHALL MEET THE REQUIREMENTS OF THE CITY OF MILWAUKEE SPECIFICATIONS.  
**WATERMAIN:**  
 ALL 6" PVC WATERMAIN CONSTRUCTED AS PART OF THIS PLAN SHALL BE DUCTILE IRON BELLING CITY OF MILWAUKEE SPECIFICATIONS.  
 ALL WATERMAIN (AND SERVICE) LINED ON THESE PLANS ARE TO BE INSTALLED WITH CLASS "B" BEDDING AS SPECIFIED IN DR 433A LIVING OR WATERMAIN, AND FILE NO. 26, PART VI (SEWER) OF BLUE THUNDER WIRE IS REQUIRED FOR ALL WATERMAIN LATERALS.

**THUNDER WIRE NOTE:**  
 CONTRACTOR SHALL INSTALL PLASTIC COATED THUNDER WIRE (10 TO 14 GAUGE SOLID COPPER, OR COPPER COATED STEEL WIRE) PER CODE 82.30(1)(1)(b). PLASTIC WIRE MAY BE TAPPED TO PLASTIC DRAIN PIPE. IF ATTACHED, THE THUNDER WIRE SHALL BE SECURED EVERY 6 TO 20 FEET AND AT ALL BENDS, ANGLES AND TEES. THUNDER WIRE SHALL HAVE ACCESS POINTS AT LEAST EVERY 500 FEET.

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End of bore

Start of bore

End of hand dig

End of bore, start of hand dig