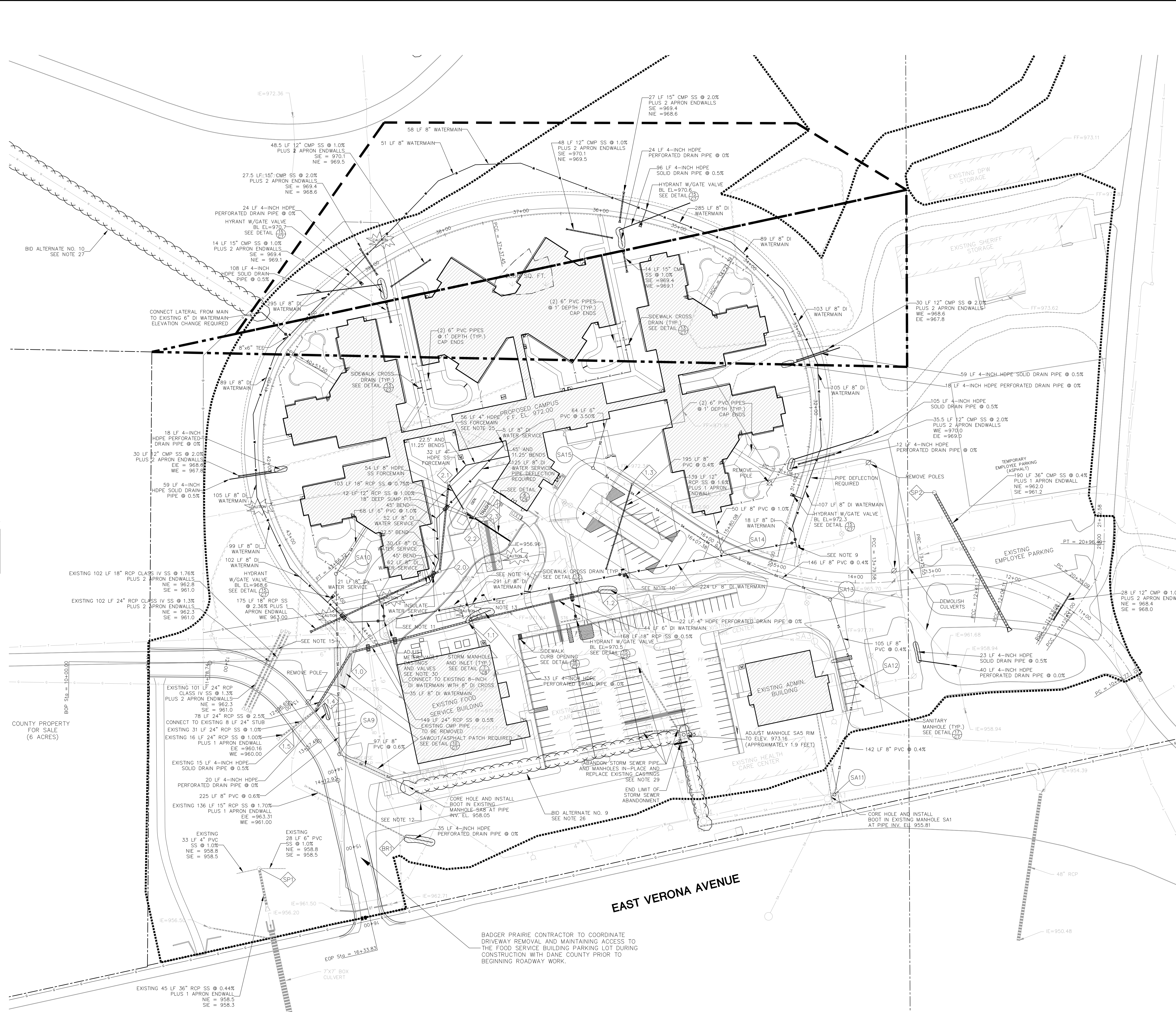


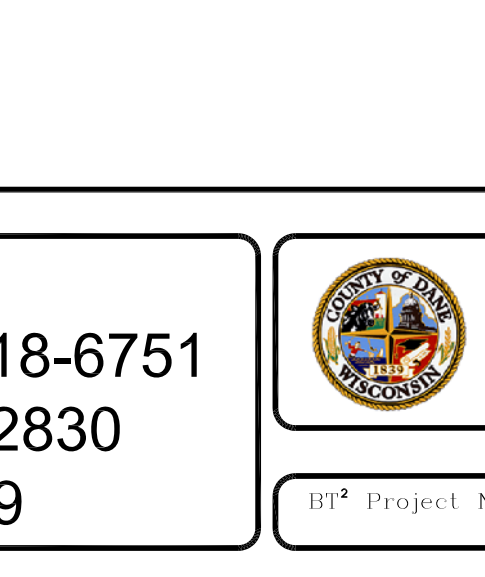
1.0 NEENAH R-1550 CASTING WITH TYPE B LID (NON-ROOKING) 48" DIA. PRECAST CONC. MANHOLE RIM = 966.70 EIE = 962.85 SIE = 962.75	SA9 NEENAH 1550 CASTING WITH TYPE B LID (NON-ROOKING) 48" DIA. PRECAST CONC. MANHOLE RIM = 965.40 EIE = 958.73 SIE = 958.63
1.1 AGRI-DRAIN 60" DIA. STANDARD GRATE 48" DIA. PRECAST CONC. MANHOLE RIM = 967.00 WE = 963.59 SIE = 963.69	SA10 NEENAH 1550 CASTING WITH TYPE B LID (NON-ROOKING) 48" DIA. PRECAST CONC. MANHOLE RIM = 972.00 EIE = 964.52 SIE = 960.08
1.2 AGRI-DRAIN 48" DIA. STANDARD GRATE 36" DIA. PRECAST CONC. MANHOLE RIM = 966.75 WE = 964.53	SA11 NEENAH 1550 CASTING WITH TYPE B LID (NON-ROOKING) 48" DIA. PRECAST CONC. MANHOLE RIM = 970.00 EIE = 959.01 SIE = 959.11
1.3 NEENAH R-3067 CASTING WITH TYPE L GRATE 2'X3' BOX INLET TOC = 969.96 SIE = 967.36	SA12 NEENAH 1550 CASTING WITH TYPE B LID (NON-ROOKING) 48" DIA. PRECAST CONC. MANHOLE RIM = 973.20 WE = 959.68 SIE = 959.58
2.0 NEENAH 1550 CASTING WITH TYPE B LID (NON-ROOKING) 48" DIA. PRECAST CONC. MANHOLE RIM = 971.33 WE = 967.13 SIE = 967.13	SA13 NEENAH 1550 CASTING WITH TYPE B LID (NON-ROOKING) 48" DIA. PRECAST CONC. MANHOLE RIM = 973.20 WE = 957.50 SIE = 957.10
2.1 NEENAH 3067 WITH TYPE A GRATE 2'X3' DIA. PRECAST CONC. MANHOLE RIM = 970.33 WE = 968.10 SIE = 968.00	SA14 NEENAH 1550 CASTING WITH TYPE B LID (NON-ROOKING) 48" DIA. PRECAST CONC. MANHOLE RIM = 972.28 WE = 962.03 SIE = 957.78
2.2 SEE PLAN DETAIL P-2477 FOR STRUCTURE DETAILS 22" DIA. PRECAST CONC. MANHOLE RIM = 960.15 WE = 954.34 SIE = 954.34	SA15 NEENAH 1550 CASTING WITH TYPE B LID (NON-ROOKING) 48" DIA. PRECAST CONC. MANHOLE RIM = 971.40 WE = 968.71 SIE = 958.66
2.3 NEENAH 3067-C WITH TYPE A GRATE & CATCH ALL HRI OR EQ. 2'X3' BOX INLET RIM = 967.46 WE = 956.43 SIE = 954.46	
SP2 AGRI-DRAIN 48" BAR GUARD 60" DIA. PRECAST CONC. MANHOLE RIM = 967.00 WE = 962.00 (6" DIA. HOLE ONLY) SIE = 962.00 (12" DIA. HOLE ONLY) SIE = 962.00	
1.4 NEENAH R-3067 CASTING WITH TYPE B GRATE (SUMP) 2'X3' PRECAST CONC. INLET RIM = 964.90 WE = 960.87 SIE = 960.87	SP1 AGRI-DRAIN 48" BAR GUARD 60" DIA. PRECAST CONC. MANHOLE RIM = 961.75 WE = 958.66 (6" DIA. HOLE ONLY) SIE = 958.66 (12" DIA. HOLE ONLY) SIE = 958.50
1.5 NEENAH R-3067 CASTING WITH TYPE L GRATE (FLOW-BY) 2'X3' PRECAST CONC. INLET RIM = 960.26 WE = 960.19 SIE = 960.19	BR1 AGRI-DRAIN 48" DIA. STANDARD GRATE 36" DIA. PRECAST CONC. MANHOLE RIM = 966.00 WE = 963.31 SIE = 963.31



CONTROL POINT INFORMATION			
CP NO.	NORTHING	EASTING	ELEVATION DESCRIPTION
1	365356.675	2095877.944	984.874 NW CORNER OF SECTION 14, ALUM. MON. SET NEAR THE SOUTH R.O.W. LINE OF CROSS COUNTRY ROAD.
2	365351.827	2098541.804	1006.992 NW CORNER OF NE 1/4 SECTION 14, ALUM. MON. SET NEAR THE SOUTH R.O.W. LINE OF CROSS COUNTRY ROAD.
3	362348.280	2098689.950	953.310 BRASS CAP SET IN CONCRETE MARKED WITH ORANGE FIBERGLASS POSTS. LOC. SOUTH OF CH. HWY. NEAR ENTRANCE TO MILITARY RIDGE PARKING LOT.
4	365319.557	2101198.849	995.344 NE CORNER OF SECTION 14, ALUM. MON. SET NEAR THE SOUTH R.O.W. LINE OF CROSS COUNTRY ROAD.

NOTE:			
1.	A BENCHMARK IS LOCATED 600' +/- TO THE SOUTH OF THE INTERSECTION OF NESBITT ROAD AND VERONA ROAD NEAR THE ENTRANCE OF A PARK. IT IS AN ALUMINUM MONUMENT SET IN CONCRETE WITH A NORTHING 262348.28, EASTING 2098689.95 AND AN ELEVATION 953.31.		
2.	NATURAL GAS SERVICE TO BE RE-ROUTED AROUND THE PROPOSED DEVELOPMENT PRIOR TO THE START OF CONSTRUCTION BY OTHER CONTRACTOR.		
3.	ALL UTILITY SERVICE TO THE EXISTING FACILITY MUST REMAIN OPERATIONAL THROUGHOUT CONSTRUCTION. REPAIRS TO DAMAGED UTILITIES WILL BE AT CONTRACTOR'S EXPENSE.		
4.	ELECTRICAL SERVICE FROM POWER HOUSE TO C&S BUILDING TO BE RE-ROUTED OUTSIDE THE PROPOSED BUILDING FOOTPRINT PRIOR TO THE START OF CONSTRUCTION.		
5.	EXISTING UTILITIES WITHIN THREE FEET OF PROPOSED GRADES SHALL BE REMOVED AT CONTRACTOR'S EXPENSE. OTHER UTILITIES SHALL BE ABANDONED IN PLACE. REMOVE CASTINGS FROM MANHOLES AND CATCH BASINS AND FILL WITH CONCRETE TO AN ELEVATION 1 FOOT ABOVE TOP OF PIPE. FILL REMAINDER WITH COMPACTED GRANULAR FILL.		
6.	CAP THE ENDS OF ALL EXPOSED UTILITIES TO BE ABANDONED.		
7.	REMOVE CULVERTS AND DISPOSE OF AT CONTRACTOR'S EXPENSE.		
8.	REMOVE HYDRANTS AND GATE VALVES FROM ABANDONED WATERMAIN AND SALVAGE FOR OWNER.		
9.	DISCONNECT LATERAL TO ADMINISTRATION BUILDING FROM EXISTING MAIN AND CONNECT TO THE NEW WATERMAIN. ABANDON IN PLACE AND CAP OFF HYDRANT LATERAL TO THE EAST. CAP OFF MAIN RUNNING WEST AND CONSTRUCT THRUST BLOCK.		
10.	DURING PHASE 2, INSTALL A 6-INCH O.D. TEE TO CONNECT NEW WATERMAIN TO EXISTING WATERMAIN TO MAINTAIN A REDUNDANT LOOP FOR THE PROPOSED FACILITY. DISCONNECT CAP, AND ABANDON IN PLACE THE EXISTING WATERMAIN RUNNING NORTH. INSTALL A VALVE AND TEMPORARY CAP ON THE WATERMAIN.		
11.	DURING OCCUPANCY OF THE NEW FACILITY, CONNECT NEW WATERMAIN BETWEEN THE EXISTING VALVE AND THE EXISTING METER VALVE AND THE LOCATION OF THE TEMPORARY CAP PLACED DURING PHASE 2. DISCONNECT, CAP, AND ABANDON IN PLACE EXISTING WATERMAIN RUNNING SOUTH OF THE TEMPORARY CAP.		
12.	DURING OCCUPANCY OF THE NEW FACILITY, DISCONNECT CAP, AND ABANDON IN PLACE EXISTING WATERMAIN SOUTH OF THE SERVICE LATERAL TO C&S. INSTALL CAP AND THRUST BLOCK.		
13.	DURING OCCUPANCY OF THE NEW FACILITY, DISCONNECT CAP, AND ABANDON IN PLACE EXISTING WATERMAIN NORTH OF THE EXISTING LATERAL TO THE POWER HOUSE. INSTALL CAP ON TEE AND THRUST BLOCK.		
14.	DURING OCCUPANCY OF NEW FACILITY, DEMOLISH PROPANE STORAGE TANK SYSTEM.		
15.	IF NECESSARY, ADJUST EXISTING WATERMAIN TO MAINTAIN A MINIMUM SEPARATION OF 1.5 FEET IF EXISTING WATERMAIN IS ABOVE THE PROPOSED SEWER OR 1.5 FEET IF EXISTING WATERMAIN IS BELOW THE PROPOSED SEWER.		
16.	ALL TOPS OF MANHOLES AND GATE VALVES IN PAVED AREAS SHALL BE 4-INCH BELOW FINISHED GRADE. CEMENTED TO MEET PAVEMENT CROSS SLOPES AND PROFILES PROVIDED ON THE PLANS. RIM ELEVATIONS ON PLAN SET FINISHED TO 12" BELOW FINISHED GRADE.		
17.	WATERMAIN - WATERMAIN SHALL BE DUCTILE IRON, CLASS 52 WITH A MINIMUM WORKING PRESSURE OF 350 PSI, AND 6.5 FOOT (MIN.) BURY DEPTH. ALL WATERMAIN BENDS ARE TO BE BREAKAWAY FLANGE, PAINTED RED AND BE AMERICAN FLOW CONTROL. MANHOLES SHALL BE 48" DIA. NON-RISING STEM AND O-RING PACKED BOX GATE VALVES WITH A 230 PSI WORKING PRESSURE. MANHOLES AND REPRESENTATIVE VALVES SHALL BE PRESENT WHEN THE CONTRACTOR FOR THE PROPOSED WATERMAIN WITH THE INITIAL WATER AND FOR ALL TESTING.		
18.	SANITARY SEWER SHALL BE POLYVINYL CHLORIDE (PVC) WITH A STANDARD DIMENSIONAL RATIO (SDR) OF 26. TEMPORARY PIPES TO BE INSTALLED IN CONNECTING MANHOLES UNTIL CONSTRUCTION IS COMPLETED AND ACCEPTED. SANITARY SEWER SHALL BE TESTED (INCLUDING TELEVISION) IN ACCORDANCE WITH DANE COUNTY STANDARD SPECIFICATIONS AND SHALL BE INCIDENTAL TO THE LINEAR FOOT PRICE FOR SANITARY SEWER. SANITARY SEWER CLEANOUTS SHALL BE LOCATED 5'-FEET FROM THE BUILDING EXTERIOR OR AS SHOWN ON PLANS. ANY RISING, MARKING, OR IDENTIFIERS NEEDED FOR INSTALLATION OF THE SANITARY SEWER, SERVICE LATERALS, ETC. SHALL BE INCIDENTAL TO THE LINEAR FOOTAGE UNIT PRICE PROVIDED.		
19.	STORM SEWER PIPE - STORM SEWER PIPE SHALL BE REINFORCED CONCRETE CULVERT PIPE (RCP) CLASS IV UNLESS OTHERWISE NOTED. ALL STORM SEWER APRON ENDS OVER 12 INCHES IN DIAMETER SHALL INCLUDE A FACTORY INSTALLED PIPE GRATE. THE END SECTIONS OF THE STORM SEWER SHALL BE AT THE SAME SLOPE AS THE MAIN LINE. THE END SECTIONS FOR THE LAST 2 JOINTS OF RCP STORM SEWER APRON ENDS FOR PIPE 36 INCHES IN DIAMETER OR GREATER, NORMAL CURB AND GUTTER CONDITIONS SHALL BE NEENAH R-3067. NOTE: ALL STORM SEWER STRUCTURES SHALL HAVE CORED, SMOOTH-FORMED OPENINGS.		
20.	ALL UTILITY CROSSINGS SHALL BE IN PLACE PRIOR TO PLACEMENT OF CURB AND GUTTER.		
21.	THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.		
22.	RADIUS POINTS SHOWN TO THE BACK OF CURB OR EDGE OF PAVEMENT.		
23.	ANY ARTIFACTS OR REMnants OF FINDINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.		
24.	REFER TO SHEET C5 FOR WATER MAIN LENGTHS AND FITTING AND HYDRANT LOCATIONS ON THE ACCESS ROAD.		
25.	MAINTAIN 5-FOOT BURY DEPTH UP TO DISCHARGE POINT ON ALL STORM SEWER FOREMANS.		
26.	BID ALTERNATE NO. 9 - REPLACE MANHOLES SA5 AND SA8 WITH NEW MANHOLES - REMOVE 6-INCH SANITARY SEWER FROM SA4 TO SA5 (108 LF) AND SA5 TO SA8 (344 LF). REPLACE WITH 8-INCH PVC SANITARY SEWER MATCH EXISTING INVERT AND RIM ELEVATIONS.		
27.	BID ALTERNATE NO. 10 - REPLACE EXISTING 18-INCH DI WATER SERVICE (270 FT) TO PARK SHELTER WITH NEW 8-INCH DI PIPE. EXISTING PIPE TO BE ABANDONED IN PLACE.		
28.	REFER TO SHEET C5 FOR WATERMAIN FITTINGS AND STATIONS.		
29.	FAVE OVER RIM OF NEW CASTINGS (NEENAH R-1550 WITH TYPE B LID) AFTER ABANDONING STORM SEWER PIPE AND MANHOLES WITH CONCRETE SLURRY TO AN ELEVATION OF 0.5' ABOVE THE HIGHEST TOP OF PIPE ELEVATION. ABANDONMENT TO HAPPEN AFTER THE EXISTING HEALTH CARE FACILITY IS REMOVED.		
30.	EXISTING CONCRETE METER VALVE COVER TO BE RECONSTRUCTED TO MEET HS-20 LOADING DESIGN STANDARDS OR EQUIVALENT. EXISTING BILCO COMPANY MODEL U-20 HATCH COVER SHALL BE REPLACED WITH A BILCO COMPANY TYPE M-20 OR EQUIVALENT. CONTRACTOR TO VERIFY SIZE SPECIFICATIONS PRIOR TO PLACEMENT.		

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Badger Prairie Health Care Center
 Dane County
 Verona, Wisconsin

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 Revision Date
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 Checked By WKIGB

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UTILITY PLAN

DANE COUNTY BID NUMBER 108018
 Scale 1"=50'
 Issue Date 04/19/10
 HEA Project Number D61010

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