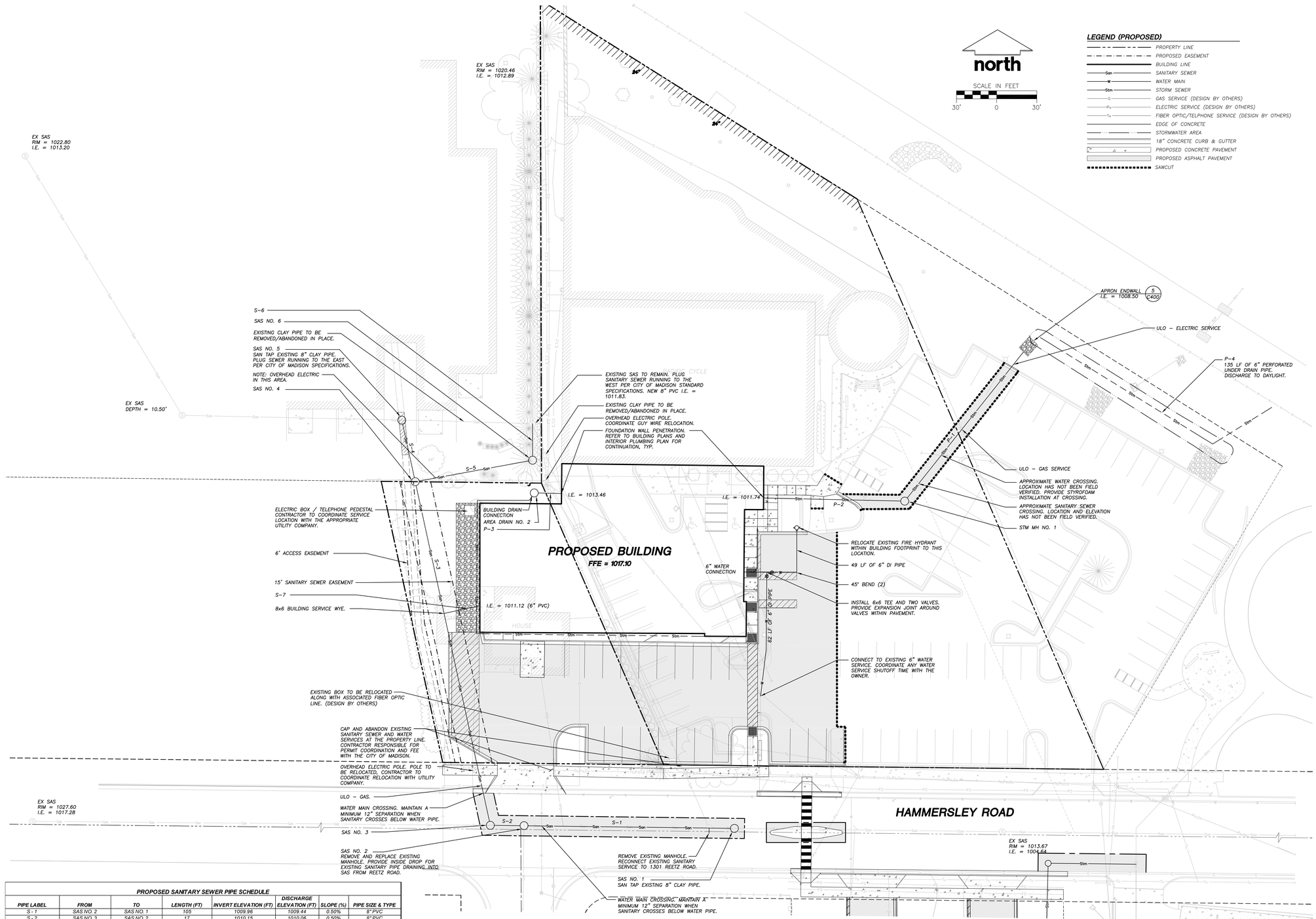
PLOT DATE: 02/27/2013



PROPOSED SANITARY SEWER PIPE SCHEDULE

PIPE LABEL	FROM	TO	LENGTH (FT)	INVERT ELEVATION (FT)	DISCHARGE ELEVATION (FT)	SLOPE (%)	PIPE SIZE & TYPE
S - 1	SAS NO. 2	SAS NO. 1	105	1009.96	1009.44	0.50%	8" PVC
S - 2	SAS NO. 3	SAS NO. 2	17	1010.15	1010.06	0.50%	8" PVC
S - 3	SAS NO. 4	SAS NO. 3	175	1011.06	1010.25	0.46%	8" PVC
S - 4	SAS NO. 5	SAS NO. 4	31	1012.50	1011.16	4.28%	8" PVC
S - 5	SAS NO. 6	SAS NO. 4	59	1011.45	1011.16	0.50%	8" PVC
S - 6	EX. SAS	SAS NO. 6	18	1011.73	1011.55	1.00%	8" PVC
S - 7	BUILDING	S - 4	18	1011.12	1010.75	2.08%	6" PVC

PROPOSED SANITARY SEWER STRUCTURES SCHEDULE

LABEL	INVERT ELEV. (FT)	RIM ELEV. (FT)	DEPTH (FT)	STRUCTURE DESCRIPTION	GRATE
SAS NO. 1	1009.34	1019.3	9.96	48" DIA MANHOLE	R-1550, MANHOLE FRAME, SOLID NON-ROCKING LID
SAS NO. 2	1009.96	1022.9	12.94	48" DIA MANHOLE	R-1550, MANHOLE FRAME, SOLID NON-ROCKING LID
SAS NO. 3	1010.15	1023.2	13.05	48" DIA MANHOLE	R-1550, MANHOLE FRAME, SOLID NON-ROCKING LID
SAS NO. 4	1011.06	1020.8	9.75	48" DIA MANHOLE	R-1550, MANHOLE FRAME, SOLID NON-ROCKING LID
SAS NO. 5	1012.50	1022.5	10.00	48" DIA MANHOLE	R-1550, MANHOLE FRAME, SOLID NON-ROCKING LID
SAS NO. 6	1011.45	1020.0	8.55	48" DIA MANHOLE	R-1550, MANHOLE FRAME, SOLID NON-ROCKING LID

PROPOSED STORM SEWER PIPE SCHEDULE

PIPE LABEL	FROM	TO	LENGTH (FT)	INVERT ELEVATION (FT)	DISCHARGE ELEVATION (FT)	SLOPE (%)	PIPE SIZE & TYPE
P - 1	STM MH NO. 1	APRON ENDWALL	95	1010.52	1008.62	2.00%	10"PVC
P - 2	BUILDING	STM MH NO. 1	70	1011.74	1010.62	1.60%	10"PVC PRESSURE
P - 3	AREA DRAIN NO. 2	BUILDING	13	1013.67	1013.46	1.60%	10"PVC PRESSURE
P - 4	BIORETENTION	OUTFALL	135	1002.00	1001.60	0.30%	6" PERFERATED

PROPOSED STORM SEWER STRUCTURES SCHEDULE

LABEL	INVERT ELEV. (FT)	RIM ELEV. (FT)	DEPTH (FT)	STRUCTURE DESCRIPTION	GRATE
STM MH NO. 1	1010.52	1013.80	3.28	48" DIA MANHOLE	R-2050, MANHOLE FRAME, TYPE D GRATE
AREA DRAIN NO. 2	1013.67	1018.33	4.66	36" DIA MANHOLE	R-4380-32 IN BELL FLAT BAR GRATE

GENERAL NOTES

1. SURVEY CONDITIONS SHOWN BASED ON FIELD WORK PERFORMED BY JSD PROFESSIONAL SERVICES ON SEPTEMBER 24 & 26 AND OCTOBER 3, 2012.
2. ALL WORK IN THE ROW SHALL BE IN ACCORDANCE WITH THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION. WORK IN ROW AND WITHIN PUBLIC EASEMENTS SHOWN ON THIS PLAN IS FOR GRAPHIC PURPOSES ONLY. REFER TO CITY OF MADISON PROJECT NUMBER 5382340 FOR INFORMATION.
3. JSD SHALL BE HELD HARMLESS AND DOES NOT WARRANT ANY DEVIATIONS BY THE OWNER/CONTRACTOR FROM THE APPROVED CONSTRUCTION PLANS THAT MAY RESULT IN DISCIPLINARY ACTIONS BY ANY OR ALL REGULATORY AGENCIES.
4. ALL NEW CURB AND GUTTER SHALL HAVE A 4" HEIGHT AND REPLACEMENT CURB AND GUTTER A 6" HEIGHT

UTILITY NOTES

1. ALL WORK IN THE RIGHT OF WAY SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE CITY OF MADISON STANDARD CONSTRUCTION SPECIFICATIONS (STANDARD SPECIFICATIONS). CONTACT THE CITY OF MADISON A MINIMUM OF 48 HOURS IN ADVANCE OF ANY WORK WITHIN THE ROW TO SCHEDULE A PRECONSTRUCTION MEETING.
2. DIMENSIONS TAKE PRECEDENCE OVER SCALE. CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD.
3. IF ANY ERRORS, DISCREPANCIES, OR OMISSIONS WITHIN THE PLAN BECOME APPARENT, IT SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO CONSTRUCTION SO THAT CLARIFICATION OR REDESIGN MAY OCCUR.
4. LENGTHS OF ALL UTILITIES ARE TO CENTER OF STRUCTURES OR FITTINGS AND MAY VARY SLIGHTLY FROM PLAN. LENGTHS SHALL BE VERIFIED IN THE FIELD DURING CONSTRUCTION.
5. ALL CONSTRUCTION SIGNING TO BE IN ACCORDANCE WITH THE CITY OF MADISON AND WISCONSIN DEPARTMENT OF TRANSPORTATION REQUIREMENTS.
6. PROVIDE DE-WATERING ACTIVITIES AND PERMITS AS NECESSARY PER WDNR REQUIREMENTS AND WDNR TECHNICAL STANDARD 1061.
7. ALL PRIVATE WATER MAIN AND WATER SERVICES SHALL BE INSTALLED WITH A 6' MINIMUM BURY.
8. THE CONTRACTOR SHALL INSTALL A PEDESTRIAN FENCE AROUND ALL EXCAVATIONS TO BE LEFT OPEN OVER NIGHT AS REQUIRED.
9. THE PROPOSED IMPROVEMENTS MUST BE CONSTRUCTED IN ACCORDANCE WITH ENGINEERING PLANS DESIGNED TO MEET ORDINANCES AND REQUIREMENTS OF THE MUNICIPALITY AND WISDOT, AND WDNR.
10. PRIOR TO CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR:
    * EXAMINING ALL SITE CONDITIONS RELATIVE TO THE CONDITIONS INDICATED ON THE ENGINEERING DRAWINGS. ANY DISCREPANCIES ARE TO BE REPORTED TO THE ENGINEER AND RESOLVED PRIOR TO THE START OF CONSTRUCTION.
    * OBTAINING ALL PERMITS INCLUDING PERMIT COSTS, TAP FEES, METER DEPOSITS, BONDS, AND ALL OTHER FEES REQUIRED FOR PROPOSED WORK TO OBTAIN OCCUPANCY.
    * VERIFYING UTILITY ELEVATIONS AND NOTIFYING ENGINEER OF ANY DISCREPANCY. NO WORK SHALL BE PERFORMED UNTIL THE DISCREPANCY IS RESOLVED.
    * NOTIFYING ALL UTILITIES PRIOR TO THE INSTALLATION OF ANY UNDERGROUND IMPROVEMENTS.
    * NOTIFYING THE DESIGN ENGINEER AND MUNICIPALITY 48 HOURS PRIOR TO THE START OF CONSTRUCTION TO ARRANGE FOR APPROPRIATE CONSTRUCTION OBSERVATION.

UTILITY NOTES (CONTINUED)

11. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE ENGINEER WITH AS-BUILT CONDITIONS OF THE DESIGNATED IMPROVEMENTS IN ORDER THAT THE APPROPRIATE DRAWINGS CAN BE PREPARED, IF REQUIRED. ANY CHANGES TO THE DRAWINGS OR ADDITIONAL ITEMS MUST BE REPORTED TO THE ENGINEER AS WORK PROGRESSES.
12. THE PRIME CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL CONSTRUCTION WITH OTHER CONTRACTORS INVOLVED WITH CONSTRUCTION OF THE PROPOSED DEVELOPMENT AND FOR REPORTING ANY ERRORS OR DISCREPANCIES BETWEEN THESE PLANS AND PLANS PREPARED BY OTHERS.
13. ANY SANITARY SEWER, SANITARY SEWER SERVICES, WATER MAIN, WATER SERVICES, STORM SEWER, OR OTHER UTILITIES, WHICH ARE DAMAGED BY THE CONTRACTORS, SHALL BE REPAIRED TO THE OWNER'S SATISFACTION AT THE CONTRACTOR'S EXPENSE.
14. CONTRACTOR IS RESPONSIBLE FOR SITE SAFETY DURING THE CONSTRUCTION OF IMPROVEMENTS.
15. CONTRACTOR SHALL NOTIFY THE CITY OF MADISON PUBLIC WORKS DEPARTMENT A MINIMUM OF 48 HOURS BEFORE CONNECTING TO PUBLIC UTILITIES.
16. ALL PRIVATE SANITARY BUILDING PIPE AND TUBING SHALL CONFORM TO SPS 384.30-2.
17. ALL PRIVATE STORM BUILDING PIPE AND TUBING SHALL CONFORM TO SPS 384.30-3.
18. ALL PRIVATE PIPE AND TUBING FOR WATER SERVICE SHALL CONFORM TO SPS 384.30-4.
19. ALL PRIVATE PIPE SHALL BE INSTALLED PER SPS 382.40-8 INCLUDING AT LEAST 8' OF HORIZONTAL DISTANCE BETWEEN WATER PIPING AND SANITARY SEWER FROM CENTER OF PIPE TO CENTER OF PIPE AND 6" OF SEPARATION BETWEEN STORM SEWER AND WATER PIPING.
20. THE CONTRACTOR SHALL ALLOW 10 WORKING DAYS FOR THE CONSTRUCTION OF UTILITIES WHEN SCHEDULING THE WORK AND SHALL NOT RESTRICT ACCESS TO THE UTILITY CONTRACTORS.
21. INLET CASTINGS SHALL BE SET TO GRADE PRIOR TO AND SEPARATE FROM THE POURING OF THE CONCRETE CURB AND GUTTER. IT IS REQUIRED THAT THREE FEET OF CONCRETE CURB AND GUTTER ON EACH SIDE OF THE INLET SHALL BE POURED BY HAND, NOT THROUGH THE USE OF A CURB MACHINE. THE INLET CASTING SHALL BE SET TO GRADE ON A BED OF MORTAR WHICH SHALL BE A MINIMUM OF TWO INCHES THICK. THE INLET SHALL BE PLACED ON THE MORTAR BED AND SHALL BE ADJUSTED TO GRADE BY APPLYING DIRECT PRESSURE TO THE CASTING. ONCE THE CASTING ADJUSTMENT IS COMPLETE, THREE FEET OF CURB AND GUTTER ON EACH SIDE OF THE CASING SHALL BE POURED BY HAND.
22. THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING DUST AND EROSION DURING CONSTRUCTION AT HIS EXPENSE. STREETS SHALL BE WATERED TO CONTROL DUST WHEN ORDERED BY THE ENGINEER.
23. THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS SO AS TO BE IN CONFORMANCE WITH THE CITY EROSION CONTROL AND STORMWATER ORDINANCE, AND DNR ADMINISTRATIVE RULE NR 216 AT ALL TIMES.
24. ALL CASTINGS SHALL BE NEENAH FOUNDRY CASTINGS AS SHOWN OR EQUAL.

1 / C300 **UTILITY PLAN**
SCALE: 1" = 30'

JSD Professional Services, Inc.
* Engineers * Surveyors * Planners
"BUILDING RELATIONSHIPS WITH A COMMITMENT TO CLIENT SATISFACTION THROUGH TRUST, QUALITY AND EXPERIENCE"
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ISSUE DATES:
BP #2: 01-22-2013
REVISED PLANS: 02-27-2013

RFI/SI DATE:

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PROJECT #: 20120410

SHEET NUMBER
C300

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