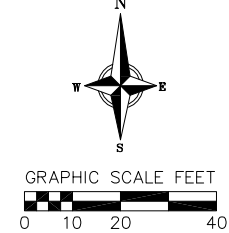


CALL DIGGER'S HOTLINE  
1-800-242-8511  
TOLL FREE

TELEFAX: 1-800-338-3860  
TDC (FOR HEARING IMPAIRED):  
1-800-542-2289  
WIS. STATUTE 18.01(9) (1979)  
REQUIRES MINIMUM OF 3 WORKING DAYS  
NOTICE BEFORE YOU EXCAVATE.



- PROPOSED UTILITY LEGEND**
- PROPERTY BOUNDARY
  - CURB AND GUTTER
  - "DRIVEWAY" CURB AND GUTTER
  - PROPOSED ADA DETECTABLE WARNING FIELD
  - PROPOSED SIGN
  - PROPOSED HANDICAP PARKING
  - PROPOSED CONCRETE SIDEWALK
  - PROPOSED HEAVY DUTY CONCRETE
  - PROPOSED ASPHALT PAVEMENT
  - STORM SEWER PIPE
  - STORM SEWER MANHOLE
  - STORM SEWER CURB INLET
  - STORM SEWER FIELD INLET
  - SANITARY SEWER PIPE (GRAVITY)
  - SANITARY SEWER MANHOLE
  - SANITARY SEWER CLEANOUT
  - WATER MAIN
  - WATER VALVE
  - GAS MAIN
  - ELECTRIC SERVICE

- ① UTILITY CROSSING  
PROP 10" ST IE=853.20  
PROP 10" ST B/P=853.14  
PROP. 8" SAN T/P=849.93  
PROP. 8" SAN IE=849.24

**STORM PIPE TABLE**

PIPE NAME	PIPE TYPE	SIZE (IN.)	FROM	TO	LENGTH (FT)	START INV	END INV	SLOPE
P-1	HDPE	10	S-1	S-2	26	852.42	852.94	2.00%
P-2	HDPE	10	S-1	S-2	17	852.94	853.11	0.98%
P-3	HDPE	10	S-2	S-3	255	853.11	855.66	1.00%
P-4	HDPE	10	S-3	S-9	79	855.66	856.45	1.00%
P-5	HDPE	10	S-9	S-4	24	856.45	856.69	1.00%
P-6	HDPE	10	S-4	S-4	46	856.69	857.15	1.00%
P-7	HDPE	10	S-9	S-5	6	856.45	856.52	1.08%
P-8	PVC	8	S-6	S-6	9	848.32	848.50	1.94%

**STORM STRUCTURE TABLE**

STRUCTURE NAME	STRUCTURE TYPE	FRAME	COVER	RIM/TC	INVERT	REMARKS
S-1	48" CONC STMH	R1550	TYPE B LID	856.63	852.94	
S-2	48" CONC STMH	R1550	TYPE B LID	855.95	853.11	
S-3	48" CONC STMH	R1550	TYPE B LID	861.40	855.66	
S-4	84" CONC CB	R2578	TYPE C GRATE	860.55	853.69	SUMP
S-5	84" CONC CB	R2578	TYPE C GRATE	860.70	853.52	SUMP
S-6	84" CONC CB	R2578	TYPE C GRATE	852.25	845.50	SUMP

- UTILITY NOTES**
- SANITARY & STORM SEWER LENGTHS ARE SHOWN FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE. STORM SEWER END SECTIONS ARE INCLUDED IN THE LENGTH AND SLOPE OF THE PIPE.
  - CONTRACTOR SHALL INVESTIGATE ALL UTILITY CROSSINGS PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY CONFLICTS.
  - CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING ALL UTILITY STRUCTURES (MANHOLE RIMS, WATER VALVES, AND CURB STOPS).
  - FOR ALL SEWER AND WATER MAIN CROSSINGS: PROVIDE MINIMUM 18" SEPARATION WHEN WATER MAIN CROSSES BELOW SEWER AND MINIMUM 6" SEPARATION WHEN WATER MAIN CROSSES ABOVE SEWER.
  - STORM BUILDING SEWER PIPE SHALL CONFORM TO ONE OF THE STANDARDS LISTED IN TABLE 384.30-6 OF SPS 384.30(3)(c).
  - PRIVATE WATER SERVICES AND PRIVATE WATER MAINS SHALL CONFORM TO ONE OF THE STANDARDS LISTED IN TABLE 384.30-7 OF SPS 384.30(4)(d).
  - PRIVATE SANITARY SEWER LATERALS SHALL BE POLYVINYL CHLORIDE (PVC) ASTM D3034 - SDR 35 OR APPROVED EQUAL MATERIAL THAT CONFORMS TO ONE OF THE STANDARDS LISTED IN TABLE 384.30-3 OF SPS 384.30(2)(c).
  - A MEANS TO LOCATE BURIED UNDERGROUND EXTERIOR NON METALLIC SEWERS/MAINS AND WATER SERVICES/MAINS MUST BE PROVIDED WITH TRACER WIRE OR OTHER METHODS IN ORDER TO BE LOCATED PER SPS 382.10(11)(h) AND SPS 382.40(8)(k).
  - EXTERIOR WATER SUPPLY PIPING SETBACKS AND CROSSINGS SHALL BE IN ACCORDANCE WITH SPS 382.40(8)(b).
  - NO PERSON MAY ENGAGE IN WORK AT PLUMBING IN THE STATE UNLESS LICENSED TO DO SO BY THE DEPARTMENT OF SAFETY AND PROFESSIONAL SERVICES PER S.145.06.
  - SITE CONTRACTOR SHALL LEAVE SANITARY AND WATER LATERALS FIVE (5) FEET SHORT (HORIZONTALLY) FROM THE BUILDING. BUILDING PLUMBER SHALL VERIFY SIZE AND EXACT LOCATION OF PROPOSED SANITARY AND WATER LATERALS.
  - CONTRACTOR SHALL FIELD VERIFY THE SIZE, TYPE, LOCATION, AND ELEVATION OF EXISTING UTILITIES PRIOR TO INSTALLING ANY ON-SITE UTILITIES OR STRUCTURES. CONTACT ENGINEER PRIOR TO INSTALLATION IF DISCREPANCY EXISTS WITHIN THESE PLANS.
  - PROPOSED UTILITY SERVICE LINES AS SHOWN ARE APPROXIMATE. COORDINATE THE EXACT LOCATIONS WITH THE PLUMBING DRAWINGS. COORDINATE THE LOCATIONS WITH THE PLUMBING CONTRACTOR AND/OR OWNER'S CONSTRUCTION REPRESENTATIVE PRIOR TO INSTALLATION OF ANY NEW UTILITIES.
  - CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING 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.
  - ALL WATER SERVICES SHALL BE INSTALLED AT A MINIMUM DEPTH OF 6.5' FROM TOP OF FINISHED GROUND ELEVATION TO TOP OF MAIN.
  - CLEAN OUT ALL EXISTING AND PROPOSED STORM INLETS AND CATCH BASINS AT THE COMPLETION OF CONSTRUCTION.
  - EXISTING WATER AND SANITARY LATERALS MUST BE PROPERLY ABANDONED PER CITY REQUIREMENTS.
  - CONTRACTOR SHALL OBTAIN ANY NECESSARY WORK IN RIGHT-OF WAY, EXCAVATION, UTILITY CONNECTION, PLUGGING, ABANDONMENT, AND DRIVEWAY CONNECTION PERMITS PRIOR TO CONSTRUCTION.
  - THE DEVELOPER SHALL INSTALL THE 3M™ ELECTRONIC MARKER SYSTEM (EMS) 4" EXTENDED RANGE 5' BALL MARKERS-WASTEWATER (MODEL #1404-XR) FOR EACH SANITARY AND STORM SEWER LATERALS. THE CITY SHALL SUPPLY ALL THE REQUIRED MARKERS TO THE DEVELOPER OR ITS CONTRACTOR (GENERALLY REQUIRES 2 PER LATERAL) AND THE CONTRACTOR SHALL INSTALL THEM PER THE MANUFACTURER'S REQUIREMENTS OR AS DIRECTED BY THE CITY ENGINEER.

**vierbicher** planners | engineers | advisors  
REEDSBURG - MADISON - FRAIRIE DU CHIEN  
997 Folsom St. Phone: (608) 824-5332 Fax: (608) 824-5330

**UTILITY PLAN**  
WINGRA POINT APARTMENTS  
1033 HIGH STREET  
CITY OF MADISON, DANE COUNTY, WISCONSIN

NO.	DATE	REVISIONS	REMARKS
1	3/17/13		WATER SERVICE LOCATION

SCALE AS SHOWN

DATE 3-1-13

DRAFTER TCOY

CHECKED JDOY

PROJECT NO. 130012

SHEET 2 OF 4

DWG. NO.