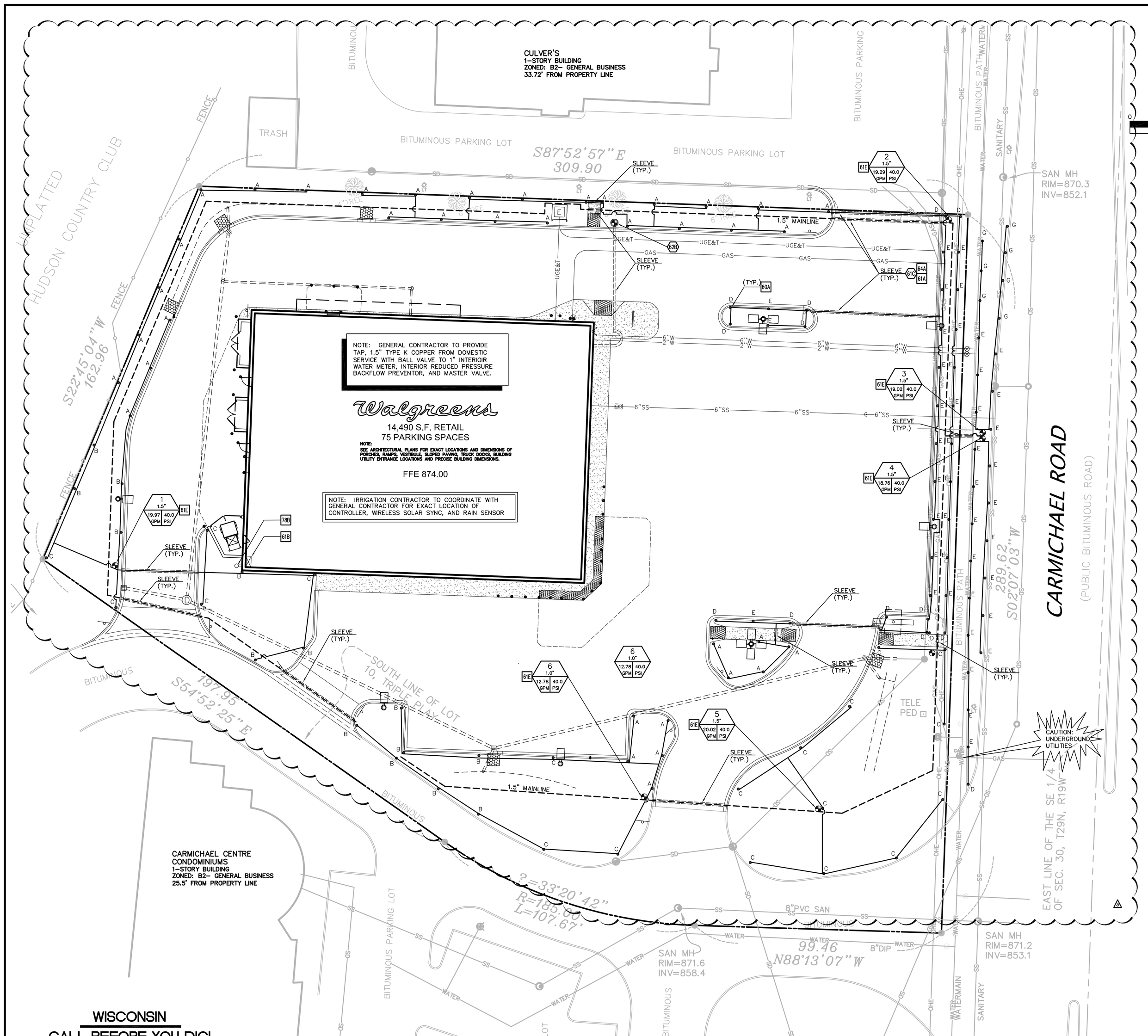

LEGEND

EXISTING

- DENOTES FOUND MONUMENT
- DENOTES SET MONUMENT
- WATER VALVES
- HYDRANT
- CATCH BASIN/STORM MH
- SANITARY MANHOLE
- CLEAN OUT
- SIGN
- UTILITY POLE
- LIGHT POLE
- TELE/ELEC BOX
- OVERHEAD ELECTRIC LINE
- UNDERGROUND ELECTRIC LINE
- TELEPHONE LINE
- WATER LINE
- STORM SEWER LINE
- SANITARY SEWER LINE
- CHAINLINK FENCE
- CURB
- CONCRETE
- TREE

PROPOSED

- BOUNDARY LINE/RIGHT OF WAY LINE
- STORM DRAIN
- LATERAL LINE WITH SIZE DESIGNATION
- MAIN LINE WITH SIZE DESIGNATION
- SLEEVING
- ZONE DESIGNATION
- VALVE SIZE
- DESIGN PRESSURE – POUNDS PER SQUARE INCH
- DESIGN DEMAND – GALLONS PER MINUTE

GENERAL IRRIGATION NOTES

A. IRRIGATION CONTRACTOR SHALL TEST EXISTING STATIC PRESSURE ON SITE PRIOR TO CONSTRUCTION. SHOULD EXISTING SITE PRESSURE BE BELOW 72 # STATIC, CONTRACTOR SHALL CONTACT THE ENGINEER PRIOR TO COMMENCEMENT OF CONSTRUCTION.

B. IRRIGATION CONTRACTOR IS RESPONSIBLE FOR INSTALLING MANUAL DRAIN VALVES AT LOWEST POSSIBLE ELEVATION ON IRRIGATION MAIN SO AS TO PROVIDE POSITIVE DRAINAGE OF IRRIGATION MAIN DURING WINTER MONTHS, OR PROVIDE BLOWOUT ASSEMBLY, INSTALLATION SHALL BE PER DETAIL 62C.

C. ALL LATERAL LINES SHALL BE EQUIPPED WITH AUTOMATIC DRAIN VALVES AT LOW POINTS PER DETAIL 62D.

D. CONTRACTOR SHALL COORDINATE CONTROLLER LOCATION WITH GENERAL CONTRACTOR. 110 VOLT ELECTRICAL SERVICE FOR IRRIGATION CONTROLLER IS TO BE INSTALLED IN THE STORAGE ROOM BY GENERAL CONTRACTOR.

E. CONTRACTOR SHALL COORDINATE CONSTRUCTION OF IRRIGATION SYSTEM WITH GENERAL CONTRACTOR AND LANDSCAPE CONTRACTOR PRIOR TO COMMENCEMENT OF CONSTRUCTION.

F. LOCATION FOR THIS UTILITY AS SHOWN IS FOR DRAWING PURPOSES ONLY. CONTRACTOR SHALL VERIFY THE EXACT LOCATION IN FIELD PRIOR TO THE CONSTRUCTION OF THE PROPOSED UTILITY LINE TO BE CONNECTED. CONTRACTOR SHALL NOTIFY THE ENGINEER IF THE DESIGN AS SHOWN IS NOT ACHIEVABLE.

G. ALL R.C.V. CONTROLLER WIRES ARE TO BE IN CONDUIT WHILE UNDER PAVING. CONDUIT TO BE INSTALLED BY GENERAL CONTRACTOR. ROUTING OF R.C.V. WIRES TO CONTROL VALVES SHALL BE BY THE IRRIGATION CONTRACTOR.

H. ALL BELOW GRADE LOW VOLTAGE WIRING CONNECTIONS SHALL BE INSTALLED PER DETAIL 61A.

I. DO NOT INSTALL IRRIGATION AT PYLON SIGN LOCATION UNTIL SIGN HAS BEEN INSTALLED.

J. ALL LATERAL LINES NOT LABELED SHALL BE 1" DIAMETER.

K. IRRIGATION TO BE AS MANUFACTURED BY HUNTER, ZONED TYPE SYSTEM. INSTALL CONTROLS INSIDE UTILITY ROOM. PROVIDE 4" DIA. SWEEP PVC SLEEVE THROUGH CONCRETE FLOOR AREA FOR ACCESS FROM EXTERIOR TO INTERIOR OF UTILITY ROOM.

L. CONTRACTOR SHALL LOCATE ALL PROPERTY AND RIGHT OF WAY LINES BEFORE CONSTRUCTION BEGINS. THESE IRRIGATION PLANS ARE SCHEMATIC AND MAY BE EXAGGERATED. CONTRACTOR SHALL KEEP WITHIN ALL PROPERTY AND RIGHT OF WAY LINES DURING CONSTRUCTION. CONTRACTOR SHALL ADJUST ALL SPRAY HEADS SO AS NOT TO SPRAY ONTO IMPERVIOUS SURFACES.

M. CONTRACTOR SHALL LOCATE AND VERIFY ALL EXISTING UTILITIES DEPTHS AND COORDINATE IRRIGATION CONSTRUCTION WITH ALL EXISTING AND PROPOSED UTILITIES.

N. CONTRACTOR SHALL INSTALL IRRIGATION METER AND IRRIGATION BACKFLOW PREVENTOR INSIDE BUILDING PER ARCHITECTURAL DRAWINGS.

IRRIGATION DETAILS (SEE SHEET C1.8)

- 60A POP-UP IRRIGATION HEAD (SEE NOZZLE LIST THIS SHEET)
- 61A WIRE CONNECTION
- 61B CONTROLLER AND VALVES (PC-600i) WITH WIRELESS SOLAR SYNC (WSS-SEN)
- 61E ELECTRIC VALVE AND BOX TYP (ICV-151G-FS-AS-40)
- 64A IRRIGATION PIPE AND WIRE TRENCHING
- 78B RAIN SENSOR (RAIN-CLIK AND FREEZE CLIK PLACE ALL EXPOSED WIRE IN CONDUIT)

IRRIGATION NOTES

- 61C CONDUIT FOR R.C.V. WIRES BY GENERAL CONTRACTOR, ROUTING TO CONTROL VALVES BY IRRIGATION CONTRACTOR
- 62B MASTER CONTROL VALVE (ICV-151G-FS-AS-40)

IRRIGATION PIPE SCHEDULE

IRRIGATION PIPE SCHEDULE	
PIPE SIZE	G.P.M.
1/2"	0-5
¾"	6-10
1"	11-16
1-¼"	17-26
1-½"	27-35
2"	36-55
2-½"	56-80
3"	81-120

NOTE:
IN SOME CASES, IRRIGATION PIPE SIZES SHOWN ON IRRIGATION PLANS ARE LARGER THAN THE SIZE SHOWN ON PIPE SCHEDULE DUE TO HYDRAULIC LOSSES. USE PIPE SIZES AS SHOWN ON IRRIGATION PLANS WHERE APPLICABLE.

SPRINKLER NOZZLE LIST

KEY	QTY.	DESCRIPTION
A	38	PROS-06-PRS40-CV-MP-1000
B	14	PROS-06-PRS40-CV-MP-2000
C	19	PROS-06-PRS40-CV-MP-3000
D	14	PROS-06-PRS40-CV-MPLCS515 OR MPRC515
E	41	PROS-06-PRS40-CV-MPS530

* CONTRACTOR TO VERIFY ALL QUANTITIES PRIOR TO BIDDING

WISCONSIN
CALL BEFORE YOU DIG!
DIGGERS HOTLINE
TOLL FREE: 1-800-242-8511

NOTE: QUANTITIES, IF SHOWN, ARE FOR REFERENCE ONLY. IF SHOWN, QUANTITIES ARE PROVIDED FOR ESTIMATING PURPOSES ONLY AND ARE NOT TO BE CONSIDERED ACCURATE FOR BIDDING.

THE IRRIGATION PLANS ARE SCHEMATIC AND MAY BE EXAGGERATED. CONTRACTOR SHALL INSTALL PER MANUFACTURES (RAINBIRD) SPECIFICATIONS AND PER CITY AND STATE CODE.

Engineering Associates, Inc.
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NO.	DATE	BY	DESCRIPTION
1	6/15/11	SD	ISSUE FOR CLIENT REVIEW
2	7/22/11	AC	ISSUE FOR PLANNING BOARD ADJUST
3	7/26/11	SD	OWNER COMMENT REVISIONS
4	7/28/11	SD	ISSUE FOR CONSTRUCTION
5	8/23/11	SD	W&G CHECKSET REVISIONS

IRRIGATION PLAN

STORE NUMBER #15121

WALGREENS
141 CARMICHAEL ROAD
HUDSON, WISCONSIN

CADD PLOT:
FILENAME
DRAWN BY:
R. SCHULZ
DATE: 05/17/2011
REVIEWED:
A. CATCHPOOL

L2