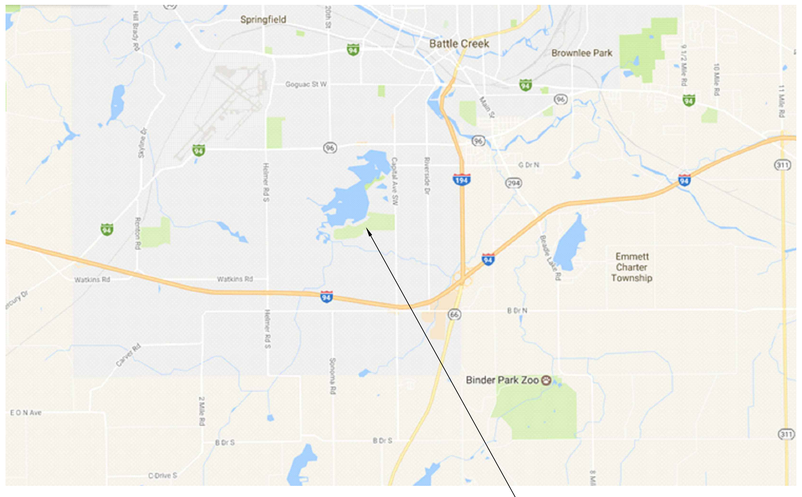
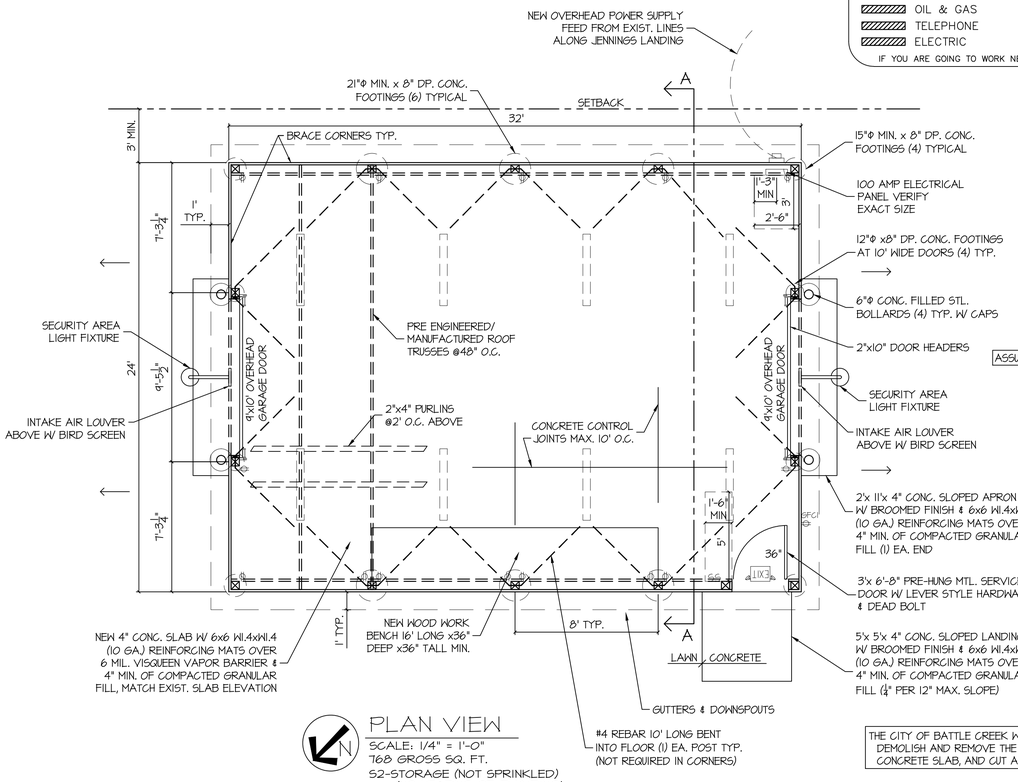
SITE LOCATION AERIAL
NOT TO SCALE



MAP
NOT TO SCALE



PLAN VIEW
SCALE: 1/4" = 1'-0"
768 GROSS SQ. FT.
S2-STORAGE (NOT SPRINKLED)
(NO HEATING OR PLUMBING)

OWNER: CITY OF BATTLE CREEK
CONTACT: KEVIN SMITH
PARKS & RECREATION
BATTLE CREEK, MI 49017
PH: 269-966-3431
ksmith@battlecreekmi.gov

ASSUMED SOIL BEARING 2,000#/S.F.

THE CITY OF BATTLE CREEK WILL:
DEMOLISH AND REMOVE THE EXISTING STRUCTURE, CONCRETE SLAB, AND CUT AND REMOVE SELECT TREES.

RISK CATEGORY = I
ROOF LIVE LOAD 21#/ S.F.
ROOF SNOW LOAD/ GROUND SNOW LOAD 30#/S.F.
SNOW EXPOSURE FACTOR Ce= 1.1 TERRAIN C SHELTERED
SNOW LOAD IMPORTANCE FACTOR I = .8
THERMAL FACTOR Ct = 1.2 UNHEATED
ROOF SLOPE FACTOR Gs = .95

WIND DESIGN
BASIC WIND SPEED 90 M.P.H. (115 M.P.H. 3 SEC. GUST)
WIND IMPORTANCE FACTOR I = 1.00 CATEGORY II
WIND EXPOSURE CATEGORY- C
INTERNAL PRESSURE COEFFICIENT GCpi = ± .18
COMPONENTS AND CLADDING EQUIV. 115 M.P.H.

32'x24' = 768 SQ. FT. OF FLOOR AREA
MBC CHAPTER #4 REQUIRED NATURAL VENTILATION 402.2
OPENABLE AREA TO OUTDOORS/ 4% OF FLOOR AREA = 31 SQ. FT.
ONE ENTRY DOOR (3'x 6'-8") = 20 SQ. FT.
ONE OVERHEAD DOOR (10'x9') = 90 SQ. FT.
TOTAL NATURAL VENTILATED AREA = 110 SQ. FT. > 31 SQ. FT.

LIGHTING TO BE UL APPROVED COOL ENERGY EFFICIENT & PROVIDE 300 LUX (30 FOOT CANDLES)

EXIT — UNIVERSAL MOUNT COMBINATION "LED" EXIT SIGN/ EMERGENCY LIGHT W/ (2) ADJUSTABLE 5.4 WATT, 6 VOLT HEADS, RED STENCILED LETTERS, 120/277 VOLT INPUT, HIGH OUTPUT BATTERY PACK TO OPERATE REMOTE LITHONIA #LHQM-S-W-3-R-120/277-HO OR EQUAL

Φ — (14) RECEPTACLES @42" ABOVE FINISH FLOOR ATTACHED TO SIDE OF 6"x6" WOOD COLUMNS TYP.

S — (2) LIGHT SWITCHES (1) EA. TO BE BE WIRED TO (4) LED LIGHTS TYP.

(2) DIE CAST 3,800 LUMEN 40 WATT LED DUSK TILL DAWN SECURITY AREA LIGHTS W/ TWIST LOCK 120V PHOTO CELLS BY PATRIOT LIGHTING OR EQUAL (1 EA. END)

(8) 48" WHITE 120V LED ALUMINUM SHOP LIGHT W/ PLASTIC DIFFUSERS

GFCI — (1) GROUND FAULT CIRCUIT INTERRUPTED RECEPTACLE @42" ABOVE FINISH FLOOR, FIELD VERIFY EXACT LOCATION

ZONING - RIC - SINGLE FAMILY RESIDENTIAL
OCCUPANCY GROUP - S STORAGE
CONSTRUCTION TYPE: 5B (NOT SPRINKLED)
CITY OF BATTLE CREEK, BUILDING INSPECTOR, DON WILKINSON
ALL WORK TO COMPLY WITH THE 2015 MICHIGAN BUILDING CODE

FASTENING SCHEDULE TO COMPLY W/ THE 2015 MICHIGAN RESIDENTIAL BUILDING CODE

CONTRACTORS TO COORDINATE OVERHEAD DOOR HEADROOM/ ROUGH OPENING & FRAMING REQUIREMENTS WITH DOOR MANUFACTURER PRIOR TO CONSTRUCTION

IT IS THE RESPONSIBILITY OF ALL CONTRACTORS TO CALL THE CITY OF BATTLE CREEK INSPECTIONS DIVISION (966-3382) TO ARRANGE ALL REQUIRED INSPECTIONS PER THAT PARTICULAR TRADE

EXCAVATIONS AND FORMING FOR FOOTINGS/ FOUNDATIONS TO BE EXPOSED & INSPECTED PRIOR TO PLACEMENT OF CONCRETE OR BACKFILL

ALL SLAB ON GRADE AREAS SHALL BE PROOF ROLLED. ALL SOFT SPOTS ENCOUNTERED SHALL BE REMOVED & REPLACED TO FINISH GRADE W/ APPROVED FILL MATERIAL. FILL MATERIAL FOR ALL SLAB AREAS SHALL BE PLACED IN LAYERS NOT EXCEEDING 9" & COMPACTED TO A MINIMUM DENSITY OF 95% OBTAINED IN ACCORDANCE W/ ASTM D-1557-78 (COHESIVE SOILS)

ALL COMPACTED FILL SHALL BE PLACED IN LAYERS NOT EXCEEDING 9" & COMPACTED TO A MINIMUM DENSITY OF 95% UNDER FOOTINGS, SLABS & PAVING, OBTAINED IN ACCORDANCE W/ ASTM D-1557-78 (COHESIVE SOILS)

ALL FOUNDATION EXCAVATIONS SHALL BE INSPECTED BY A SOILS TESTING LABORATORY PRIOR TO PLACEMENT OF CONCRETE

ALL FOOTINGS SHALL BEAR ON UNDISTURBED SOIL OR COMPACTED GRANULAR FILL HAVING A MIN. ALLOWABLE BEARING CAPACITY OF 3,000 P.S.F. AT AN APPROXIMATE DEPTH OF FOUR FET BELOW GRADE

THE ISSUANCE OF A PERMIT BASED ON CONSTRUCTION DOCUMENTS AND OTHER DATA SHALL NOT PREVENT THE CODE OFFICIAL FROM THEREAFTER REQUIRING THE CORRECTION OF ERRORS IN SAID CONSTRUCTION DOCUMENTS AND OTHER DATA OR FROM PREVENTING BUILDING OPERATIONS BEING CARRIED ON THERE UNDER WHEN IN VIOLATION OF THIS CODE OR OF OTHER ORDINANCES OF THIS JURISDICTION.

IT IS THE RESPONSIBILITY OF ALL CONTRACTORS TO APPLY FOR & OBTAIN THE PROPER PERMITS AND CALL THE CITY OF BATTLE CREEK INSPECTIONS DIVISION (966-3382) TO ARRANGE ALL REQUIRED INSPECTIONS PER THAT PARTICULAR TRADE

CONTRACTORS TO FIELD VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.
ALL LOCAL, STATE, & FEDERAL CODES ARE TO BE FOLLOWED ACCORDINGLY

MISS DIG
3 WORKING DAYS
BEFORE YOU DIG
CALL MISS DIG
1-800-482-7171
(TOLL FREE)

FOR LOCATIONS OF:
OIL & GAS
TELEPHONE
ELECTRIC
WATER
SEWER/STORM DRAIN
CABLE TV
IF YOU ARE GOING TO WORK NEAR OVERHEAD WIRES . . . CALL MISS DIG

Construction Phase: The CONSULTANT shall not have control over, charge of, or responsibility for the constructions means, methods, techniques, sequences or procedures, or for safety precautions and programs in connection with the construction work on any project, nor shall the CONSULTANT be responsible for the Contractor's failure to perform the construction work in accordance with the requirements of the plans and specifications prepared by CONSULTANT. The CONSULTANT shall not have over or charge of, and shall not be responsible for, acts or omissions of the Contractor or of any persons or entities performing portions of the construction work.

THIS PRINT CONTAINS CONFIDENTIAL INFORMATION WHICH IS THE SOLE PROPERTY OF WHARRY ENGINEERING BY ACCEPTING THIS INFORMATION THE BORROWER AGREES THAT IT WILL NOT BE USED FOR ANY OTHER REASON OTHER THAN THAT FOR WHICH IT IS LOANED

CONTRACTORS TO FIELD VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION. ALL LOCAL STATE & FEDERAL CODES ARE TO BE FOLLOWED ACCORDINGLY

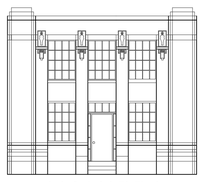
WHARRY ENGINEERING IS NOT RESPONSIBLE (AND HELD BLAMELESS) FOR OWNER/OWNER'S CONTRACTOR FAILURE TO FOLLOW "FOR CONSTRUCTION" DOCUMENTS

NOT PUBLISHED ALL RIGHTS RESERVED. CONTRACTOR RESPONSIBLE FOR VERIFYING ALL DIMENSIONS, & REPORTING VARIANCES CONTRACTOR TO CALL LOCAL UTILITY SERVICE BEFORE DIGGING OR WORKING NEAR OVERHEAD ELECTRIC WIRES

- ☐ PRELIMINARY/ FOR APPROVAL ONLY
- ☐ FOR BIDDING/ PERMITS
- ☒ FOR CONSTRUCTION
- ☐ FINAL RECORD

SEAL:

DR. BY:	DALE SMITH
SCALE:	AS SHOWN
DSGN. BY:	RALPH A. WHARRY P.E.
CHK'D BY:	RALPH A. WHARRY P.E.
JOB No:	#4567-17
DATE:	REVIEW APRIL 17, 2017
	MAY 1, 2017



WHARRY ENGINEERING
427 CAPITAL AVE. SW
BATTLE CREEK, MI. 49015
PHONE: (269) 962-9423

PROJECT:
NEW PROPOSED ACCESSORY STORAGE BUILDING AT WILLARD BEACH FOR THE CITY OF BATTLE CREEK

DRAWING TITLE:
PLAN VIEW & NOTES

SHEET NO:
A101
1 OF 2