

STORMWATER PLAN

DESIGN CRITERIA:
 10 YEAR 24 HOUR RAINFALL = 3.3"
 (SOURCE: MDOH MS4 R1 P0P1)
 = (0.28") = 0.011" / hour

INFILTRATION RATE OF SOIL = 0.2"/hr.
 (SOURCE: USDA) = 0.016"/hour x 24 hrs. =
 0.38" = 0.25" / storm event

DESIGN STORM VOLUME = 4,043 cu. ft.
 IMPERVIOUS x 0.28" = 1,132 cu. ft.

ABSORPTION AREA OF 10' STRIP AROUND
 PERIMETER OF BUILDING + ADD'L 20' REAR
 (SW) YARD = 5,273 sq. ft.

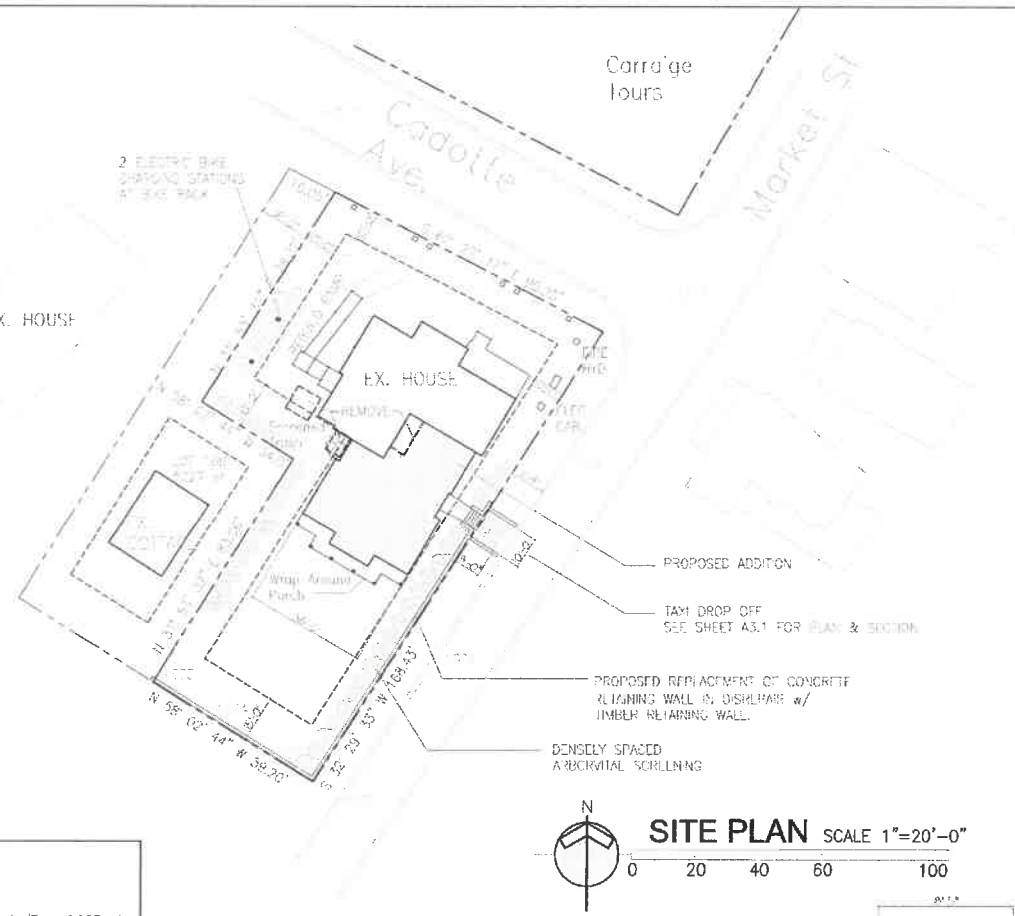
STORMWATER ABSORPTION = 5,273 sq. ft. x
 0.25" = 1,318 cu. ft.

STORM VOLUME minus ABSORPTION =
 REQUIRED DETENTION:
 1,132 cu. ft. - 1,318 cu. ft. = 0 cu. ft. TO
 BE DETAINED.

ABSORPTION AREA EXCEEDS STORM VOLUME.
 NO STORM DETENTION REQUIRED.

SITE NOTES:

1. BICYCLE PARKING PARK IS PROVIDED AT
 A RATE OF 1 PER GUESTROOM +/-
 (24 TOTAL, w/ 2 ELECTRIC CHARGING
 STATION)
2. THERE IS NO FIELD WITHIN THE
 PASHMENT AND BATH HOUSE & SHI
 CURIOUS ON COLLECTION DAYS
3. LIGHTING - NO AREA LIGHTING
 PROVIDED. COACH LIGHTING PROVIDED
 AT BUILDING ENTRANCES SHIELDED TO
 CONFINE LIGHT WITHIN THE SITE.
4. SEE STORMWATER NOTES THIS SHEET.



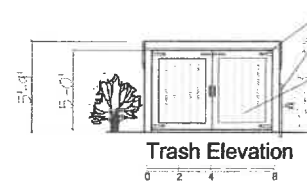
SITE PLAN SCALE 1"=20'-0"

ZONING:

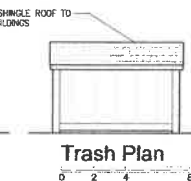
TAX ID: #051-5/5-068-01
 CDD 06A PLOT MAP OF LOT 16 BLOCK 5
 ASSASSONS PLAT NUMBER 4
 TOWNSHIP 40 N, RANGE 3 2W, SECTION 36
 DISTRICT: MD MARKET
 LOT 16A
 LOT AREA: 12,632.4 sq. ft. = 0.29 acres
 ALLOWABLE 1.5 STORY
 ACTUAL 1.5 STORY
 ALLOWABLE LOT COVERAGE 12,632.4 sq. ft. x 33% =
 = 4,421 sq. ft.
 EX. HOUSE-PORCH-RAMP: +2049 sq. ft.
 EXIST. WALKS-FENCE: +300 sq. ft.
 EXIST. RETAIN. WALL: +160 sq. ft.
 REMOVED ITEMS: -156 sq. ft.
 PROPOSED ADDITION: +1490 sq. ft.
 PRO. DECKS & WALK: ± 200 sq. ft.
 TOTAL IMP.: 4643 sq. ft. 32%

DENSITY:

HOME OPERATOR
 FAMILY RESIDENTIAL USE
 7 UNITS PER ACRE 43,560 sq. ft. / 7 = 6,223 sq. ft.
 7x 0.29 ACRES = 2 ALLOWED. 1 ACTUAL
 12,632 sq. ft. - 6,223 = 6,409 sq. ft. SITE REMAINING
 EMPLOYEES: 1
 NON-FAMILY RESIDENTIAL USE
 REQUIRED SITE AREA: 44,500 - 2,660 sq. ft. 41,840 sq. ft.
 HOTEL:
 1 GUESTROOM PER 450 sq. ft. OF BUILDING AREA
 DEVOTED TO HOTEL USE.
 HOTEL REPAIRED BUILDING AREAS:
 7911 sq. ft. / 450 = 17.5 ALLOWED
 17 ACTUAL



Trash Elevation



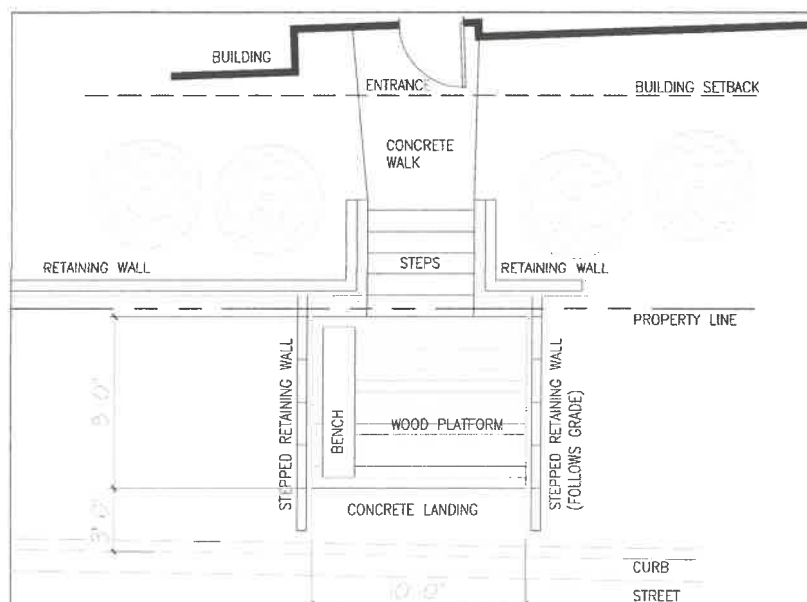
Trash Plan

PROJECT DESCRIPTION:
 CONVERSION OF RESIDENCE TO
 HOTEL USE w/ SOUTHEAST WING
 AND ADDITION.

Richard Clements Architect, PLLC
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MAY COTTAGE
ADDITION-RENOVATION
 1395 CADOTTE
 MACKINAC ISLAND, MI 49757

FOR APPROVAL
NOT FOR CONSTRUCTION
 rev: 8.15.25 rev: 9.2.25
 date: July 24, 2025 sheet:
 project: 2433
PROPOSED
 A1.0
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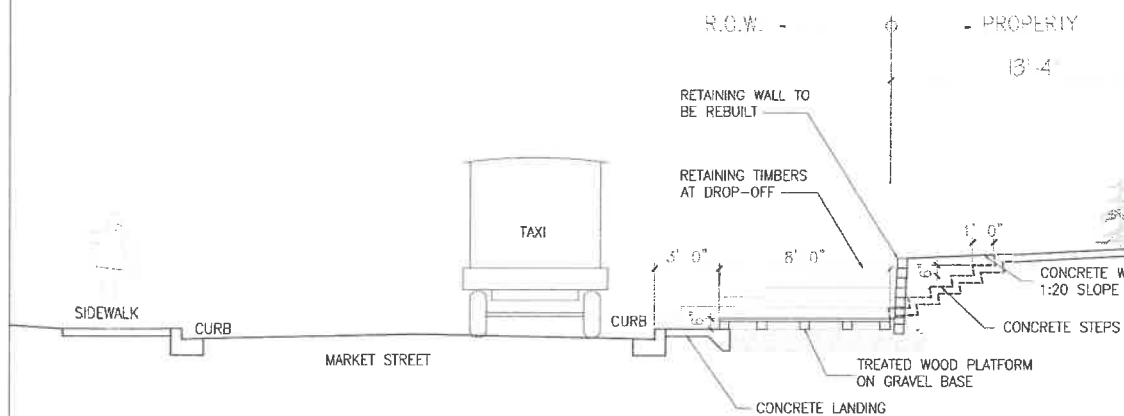
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 SEP 02 2025
 By: D. Leach



TAXI DROP OFF PLAN

0 4 8 16

SCALE 1/4"=1'-0"



TAXI DROP OFF SECTION

0 4 8 16

SCALE 1/4"=1'-0"



Richard Clements Architect, PLLC 1305 Mary Lane Cassopolis, MI 49729 richard@rca-architect.com 909.370.3681	MAY COTTAGE RESIDENCE REMODEL 1385 CADOGUE AVE. MACKINAC ISLAND, MI 49757	FOR APPROVAL NOT FOR CONSTRUCTION PROPOSED	date: Sept. 2, 2025 project: 2433	sheet: A3.1 10/20/24
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