

STORMWATER PLAN

DESIGN CRITERIA
10 YEAR 24 HOUR RAINFALL = 3.3"
(SOURCE: MICHIGAN REPORT)
= {0.28"} = 0.011"/hour

INFILTRATION RATE OF SOIL = 0.2"/hr.
(SOURCE: USDA) = 0.016"/hour x 24 hrs. =
67% = 0.25' / storm event

DESIGN FLOW VOLUME = 1,513 cu. ft.
INTERPOLATED = 0.28" = 1,133 cu. ft.

ABSORPTION AREA OF 16' 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:
1,133 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 RACK IS PROVIDED AT
A RATE OF 1 PER GUESTROOM +/-,
(24 TOTAL, w/ 2 ELECTRIC CHARGING
STATIONS)
2. TRASH TO BE HELD WITHIN THE
HASTMAN AND BASH HUTCH & SHI
CORRIDOR ON COLLECTION DAYS
3. LIGHTING NO AREA LIGHTING
PROPOSED. COACH LIGHTING PROVIDED
AT BUILDING ENTRANCES. SHEDDLED TO
CONTAIN LIGHT WITHIN THE SITE.
4. SEE STORMWATER NO. 15 THIS SHEET.

ZONING:

MAX. LOT #051-5/5-060-01

LOT 16A PD/PAPE OF LOT 16 BLOCK 5
ASSOCIATION PLAN 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 HT: 30', 2¹/₂ STORY
ACTUAL (THIS) HT: 30', 2¹/₂ STORY

ALLOWABLE LOT COVERAGE 12,632.4 sq. ft. x 33%
= 4,421 sq. ft.

EX. HOUSE-PORCH-RAMP: +2049 sq. ft.
EX. ST. WALKS-FENCE: +300 sq. ft.
EX. ST. RETAIN. WALL: +160 sq. ft.
IMPROVEMENTS: -156 sq. ft.
PROPOSED ADDITION: +490 sq. ft.
PRO. DECKS & WALK: +200 sq. ft.
TOTAL IMP.: 4643 sq. ft. 32%

DENSITY:

HOTEL: DETACHMENT
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

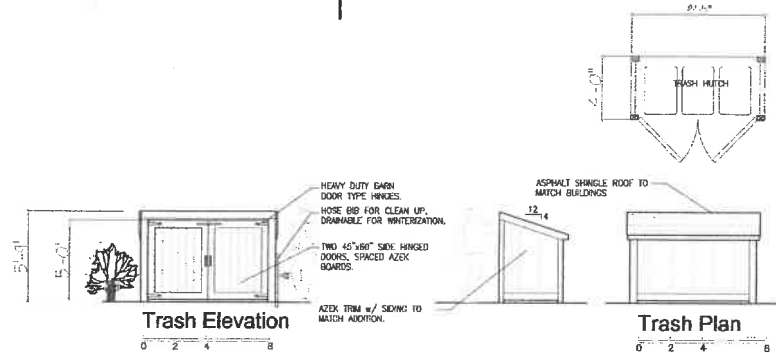
EMPLOYEES: 4
NON-FAMILY RESIDENTIAL USE
REQ'D. SITE AREA: 4x500 = 2,000 sq. ft. < 6,409 sq. ft.

HOTEL:
1 GUESTROOM PER 450 sq. ft. OF BUILDING AREA
REVENUED TO HOTEL USE.

HOTEL RELATED BUILDING AREAS:
7911 sq. ft. / 450 = 17.5 ALLOWED
17 ACTUAL



SITE PLAN SCALE 1"=20'-0"



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

Richard Clements Architect, PLLC
1920 Merry Lane
Oscoda, MI 49759

richardcl@2300hvac.com 989-370-3681

MAY COTTAGE
ADDITION-RENOVATION

1395 CADOTTE
MACKINAC ISLAND, MI 49757

FOR APPROVAL
NOT FOR CONSTRUCTION

REV: 8.15.25 REV: 9.2.25

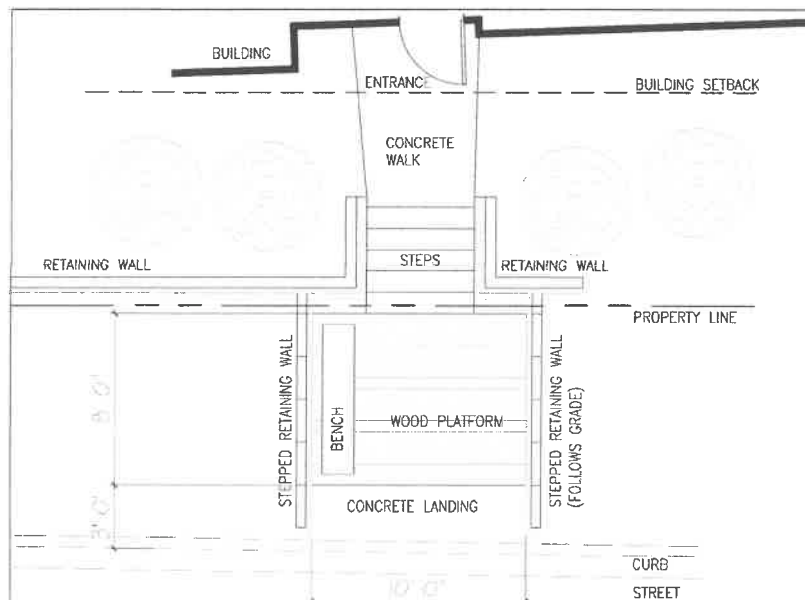
date: July 24, 2025 sheet:
project: 2433

PROPOSED

A1.0

COPYRIGHT © 2025

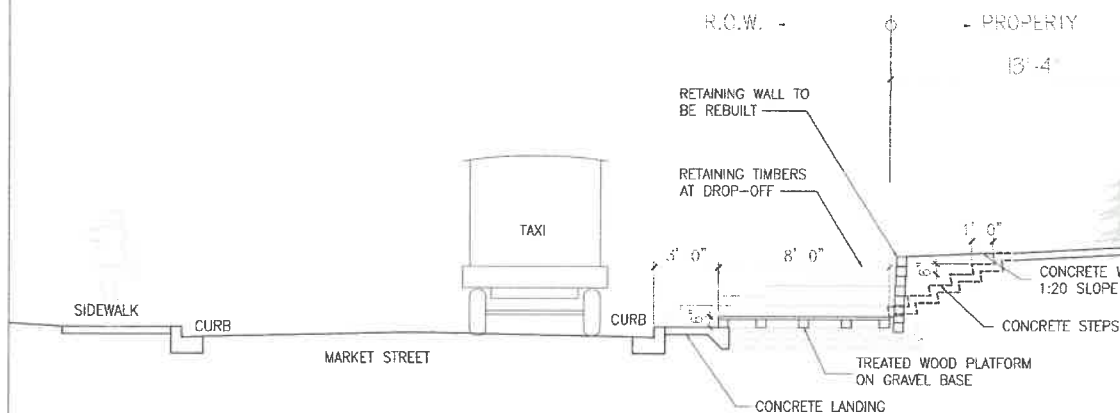
RECEIVED
 SEP 02 2025
 By: D. Leach



TAXI DROP OFF PLAN

0 4 8 16

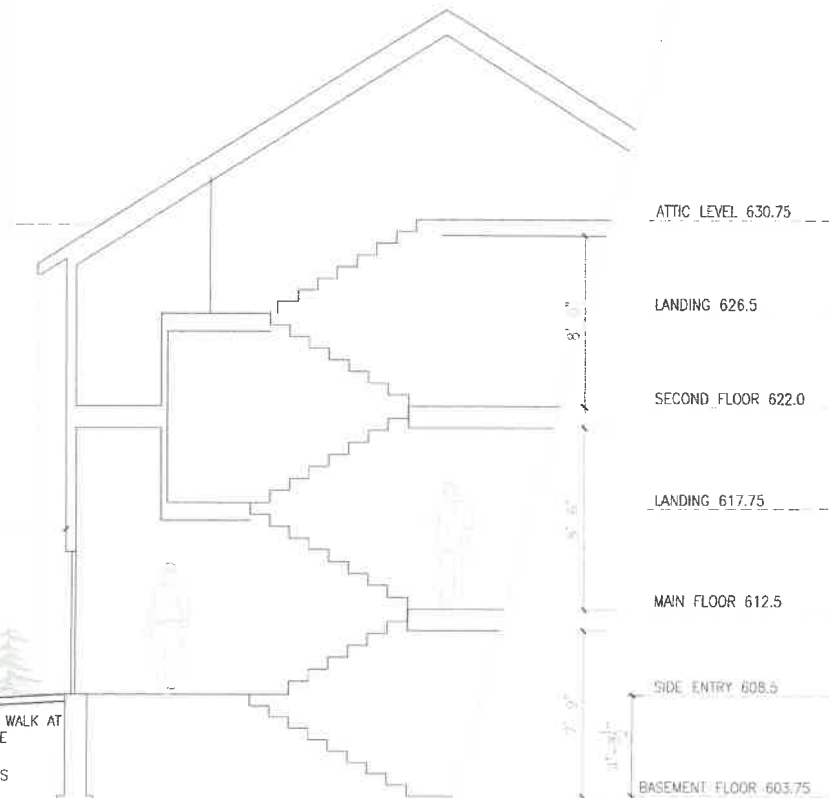
SCALE 1/4" = 1'-0"



TAXI DROP OFF SECTION

0 4 8 16

SCALE 1/4" = 1'-0"



Richard Clemons Architect, PLLC
 1900 Mary Lane
 Coopersville, MI 49404
 richard@rcarchitect.com 909.370.3005

MAY COTTAGE
 RESIDENCE REMODEL
 1395 CABOTTE AVE.
 MACKINAC ISLAND, MI 49757

FOR APPROVAL
 NOT FOR CONSTRUCTION

date: Sept. 2, 2025
 project: 2433
 PROPOSED

sheet:
 A3.1
 COPYRIGHT © 2025