### STORMWATER PLAN:

DESIGN CRITERIA: 10 YEAR 24 HOUR RAINFALL = 3.3" (SOURCE: MDOT MS4 REPORT) = (0.28') = 0.011' / hour

INFILTRATION RATE OF SOIL = 0.2"/hr: (SOURCE: USDA) = 0.016'/hour x24 hrs. \* 67% = 0.25' / storm event

DESIGN STORM VOLUME = 4,043 s.f. IMPERVIOUS x 0.28' = 1,132 cu. ft.

APSORPTION AREA OF 10' STRIP AROUND PERIMETER OF BUILDING + ADD'L, 20' REAR (SW) YARD = 5,273 s.f.

STORMWATER ABSORPTION = 5.273 s.f. x 0.25' = 1,318 cu. ft.

STORM VOLUME minus ABSORPTION = REQUIRED DETENTION: 1,132 cu. ft. -1,318 cu. ft. =0 cu. ft. TOBE 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 +7. (24 TOTAL, w/ 2 ELECTRIC CHARGING STATION)
- 2. TRASH TO BE HELD WITHIN THE BASEMENT AND TRASH HUTCH & SET CURBSIDE ON COLLECTION DAYS
- 3. LIGHTING NO AREA LIGHTING PROPOSED. COACH LIGHTING PROVIDED AT BUILDING ENTRANCES SHEILDED TO CONFINE LIGHT WITHIN THE SITE.
- 4. SEE STORMWATER NOTES THIS SHEET.

#### ZONING:

TAX I.D. #051-575-069-01

LOT 16A PC7 PART OF LOT 16 BLOCK 5 ASSESSORS PLAT NUMBER 4 TOWNSHIP 40 N, RANGE 3-2W. SECTION 36

DISTRICT: MD MARKET

LOT AREA: 12,632.4 sf = 0.29 gcres

ALLOWABLE HT: 30', 23 STORY ACTUAL HEIGHT: 30', 21 STORY

ALLOWABLE LOT COVERAGE 12,632.4 sfx35% = = 4,421 sf

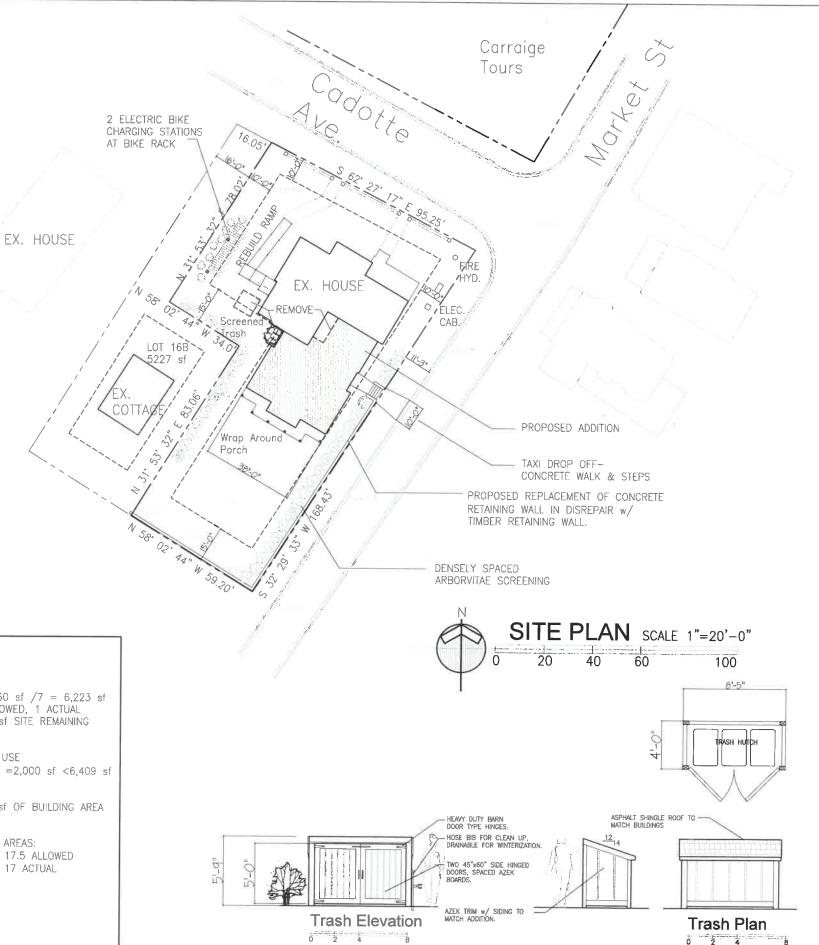
EX. HOUSE-PORCH-RAMP: +2049 sf EXIST WALKS-FENCE: +300 sfEXIST. RETAIN. WALL: +160 sfREMOVED ITEMS: - 156 sf PROPOSED ADDITION: +1490 sf PRO. DECKS & WALK: + 200 sf TOTAL IMP. 4043 sf = 32%

# DENSITY: HOTEL OPERATOR FAMILY RESIDENTIAL USE 7 UNITS PER ACRE 43,560 sf /7 = 6.223 sf 7x 0.29 ACRES = 2 ALLOWED, 1 ACTUAL 12,632 sf-6,223=6,409 sf SITE REMAINING EMPLOYEES: 4 NON FAMILY RESIDENTIAL USE

REQ'D. SITE AREA: 4x500 =2,000 sf <6,409 sf

GUESTROOM PER 450 sf OF BUILDING AREA DEVOTED TO HOTEL USE.

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



PROJECT DESCRIPTION: CONVERSION OF RESIDENCE TO

HOTEL USE w/ SOUTHEAST INFILL AND ADDITION.

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MAY COTTAGE ADDITION-RENOVATION

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# FOR APPROVAL NOT FOR CONSTRUCTION

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**PROPOSED** 

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