COMBINED ALLOWABLES:

ZONING: R-3
OVERALL SITE AREA = 51,786 s.f. = 1.18 ACRES
(ALL 5 LOTS)

MAXIMUM LOT COVERAGE = 40%
BUILDING AREA = 17,521 S.F.

TOTAL IMPERVIOUS LOT COVERAGE = $\frac{17521}{51786}$ = 33.8%

ALLOWABLE DENSITY = 20 DWELLING UNITS PER ACRE
ALLOWABLE DENSITY = 1 OCCUPANT PER 500 s.f. SITE

COMBINED LOT DENSITY:

LOT 1: @20 DWELLING UNITS PER ACRE = 4 ALLOWED, 3 ACTUAL.

LOTS 2,3,4, & 5 COMBINED = 38,778 S.F. DIVIDED BY 500 S.F. =
= 77 OCCUPANTS ALLOWED,
= 72 OCCUPANTS ACTUAL

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 = 15,161 s.f. IMPERVIOUS x 0.28' = 4,246 cu. ft.
APSORPTION AREAS ADJACENT TO BUILDING = 27,155 s.f.
STORMWATER ABSORPTION = 27,155 s.f. x 0.25' = 6,788 cu. ft.
STORM ABSORPTION VOLUME EXCEEDS REQUIRED DETENTION;
6,788 cu. ft. > 4,246 cu. ft.
STORMWATER WILL BE ABSORBED IN THE LAWN AREAS AROUND THE STRUCTURES WITH NO RETENTION REQUIRED.

BREAKDOWN OF EMPLOYEES:

BUILDING A:	2 SINGLE BEDROOM	= 2x2	= 4	16
	12 SLEEPING ROOMS	= 12x1	= 12	
BUILDING B:	4 SINGLE BEDROOM	= 4x2	= 8	16
	8 SLEEPING ROOMS	= 8x1	= 8	
BUILDING C:	2 SINGLE BEDROOM	= 2x2	= 4	16
	12 SLEEPING ROOMS	= 12x1	= 12	
BUILDING D:	2 SINGLE BEDROOM	= 2x2	= 4	24
	20 SLEEPING ROOMS	= 20x1	= 20	
	TOTAL OCCUPANTS:		= 72	

INDIVIDUAL LOT SIZES:

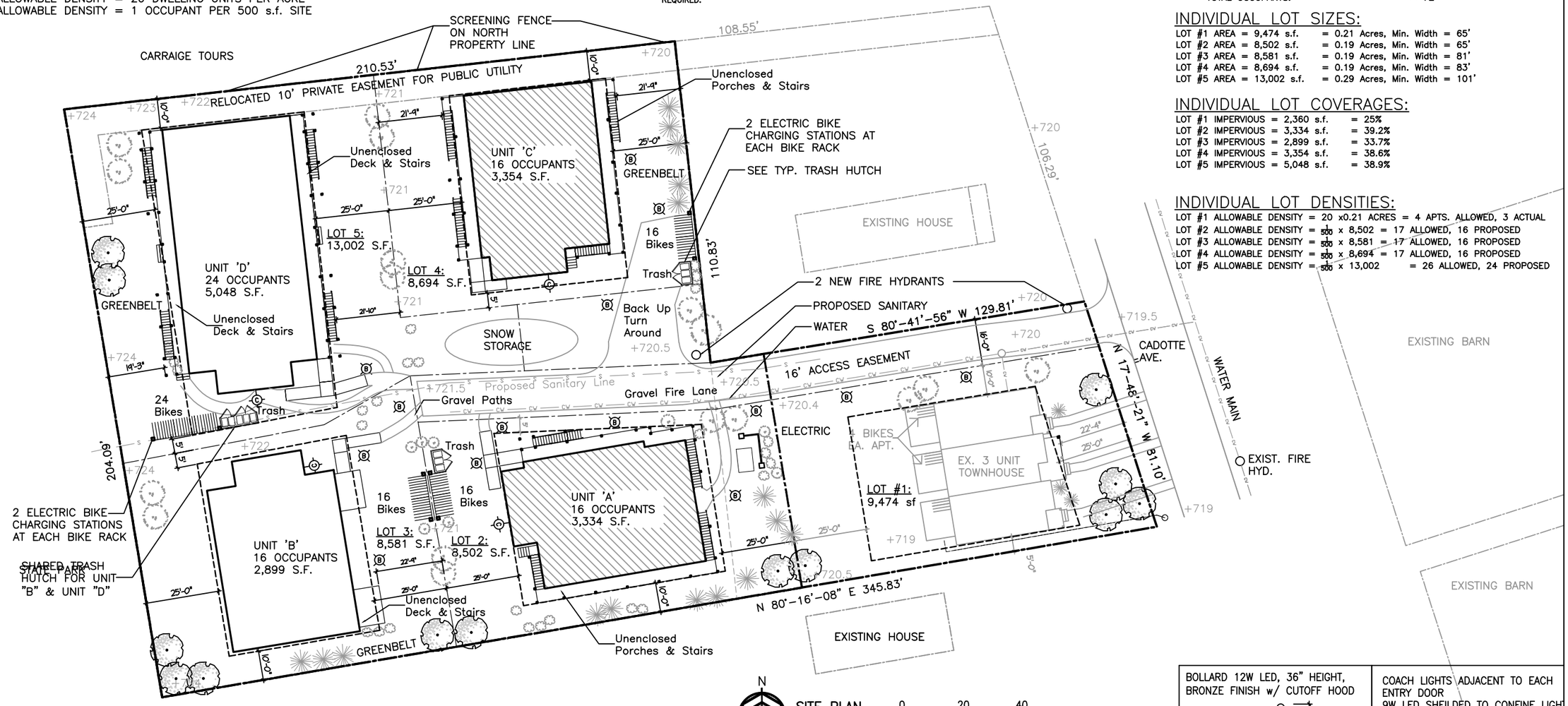
LOT #1 AREA = 9,474 s.f. = 0.21 Acres, Min. Width = 65'
LOT #2 AREA = 8,502 s.f. = 0.19 Acres, Min. Width = 65'
LOT #3 AREA = 8,581 s.f. = 0.19 Acres, Min. Width = 81'
LOT #4 AREA = 8,694 s.f. = 0.19 Acres, Min. Width = 83'
LOT #5 AREA = 13,002 s.f. = 0.29 Acres, Min. Width = 101'

INDIVIDUAL LOT COVERAGES:

LOT #1 IMPERVIOUS = 2,360 s.f. = 25%
LOT #2 IMPERVIOUS = 3,334 s.f. = 39.2%
LOT #3 IMPERVIOUS = 2,899 s.f. = 33.7%
LOT #4 IMPERVIOUS = 3,354 s.f. = 38.6%
LOT #5 IMPERVIOUS = 5,048 s.f. = 38.9%

INDIVIDUAL LOT DENSITIES:

LOT #1 ALLOWABLE DENSITY = 20 x0.21 ACRES = 4 APTS. ALLOWED, 3 ACTUAL
LOT #2 ALLOWABLE DENSITY = $\frac{1}{500}$ x 8,502 = 17 ALLOWED, 16 PROPOSED
LOT #3 ALLOWABLE DENSITY = $\frac{1}{500}$ x 8,581 = 17 ALLOWED, 16 PROPOSED
LOT #4 ALLOWABLE DENSITY = $\frac{1}{500}$ x 8,694 = 17 ALLOWED, 16 PROPOSED
LOT #5 ALLOWABLE DENSITY = $\frac{1}{500}$ x 13,002 = 26 ALLOWED, 24 PROPOSED



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SITE PLAN 0 20 40

BOLLARD 12W LED, 36" HEIGHT, BRONZE FINISH w/ CUTOFF HOOD

COACH LIGHTS ADJACENT TO EACH ENTRY DOOR
9W LED SHEILDED TO CONFINE LIGHT WITHIN THE SITE.

LANDSCAPE NOTES

A. LANDSCAPE BUFFERS SHALL HAVE A MINIMUM WIDTH OF TEN FEET AND SHALL BE PLANTED WITH GRASS, GROUND COVER, SHRUBBERY, OR OTHER SUITABLE PLANT MATERIAL. THE LOCATION, PLACEMENT, SPACING AND TYPES OF PLANT MATERIALS WILL BE SUCH THAT AN EFFICIENT HORIZONTAL AND VERTICAL OBSCURING OR SCREENING EFFECT BETWEEN LAND USES WILL BE ACHIEVED.
B. ALL PLANTS COMPRISING THE BUFFER WILL BE CONTINUOUSLY MAINTAINED IN A SOUND, HEALTHY, VIGOROUS GROWING CONDITION, FREE OF DISEASES, INSECT PESTS, REFUSE AND DEBRIS.
C. MINIMUM SIZES OF TREES AND SHRUBS PLANTED AS A PART OF A LANDSCAPE BUFFER ARE AS FOLLOWS:
1.DECIDUOUS SHRUBS. MINIMUM TWO FEET IN HEIGHT.
2.DECIDUOUS TREES. MINIMUM TWO INCHES IN CALIPER (DIAMETER).
3.EVERGREEN SHRUBS. MINIMUM TWO FEET IN HEIGHT.
4.EVERGREEN TREES. MINIMUM FIVE FEET IN HEIGHT.

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HOBAN HILL HOUSING
CADOTTE AVENUE
MACKINAC ISLAND, MI

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