



GENERAL NOTES

- RECHARGE CALCULATIONS PREPARED BY "MP DESIGN CONSULTANTS" TO CONCEPTUALLY LAYOUT THE STORMWATER FEATURES ONLY. ALL OTHER ITEMS DESIGNED BY OTHERS.
- THE PROPERTY LINES AND ZONING INFORMATION PROVIDED ON THIS PLAN ARE BASED UPON AN ACTUAL FIELD SURVEY CONDUCTED AND ZONING INFORMATION ANALYZED BY TODD CHAPIN, PLS STAMPED DATE 11/01/2023 LICENSE NUMBER 37558.

LEGEND

- EXISTING IMPERVIOUS 
- PROPOSED IMPERVIOUS 

* SOME PROPOSED IMPERVIOUS AREAS OVERLAY EXISTING IMPERVIOUS AREAS

IMPERVIOUS COVER

EXISTING CONDITIONS	PROPOSED CONDITIONS
DWELLING = 1,727 SF	DWELLING = 1,727 SF
SHED = 162 SF	SHED = 162 SF
DRIVEWAY = 1,938 SF	DRIVEWAY = 859 SF
PATIO = 490 SF	PATIO = 490 SF
WALKWAY = 151 SF	WALKWAY = 151 SF
-	ADDITION = 1,205 SF
-	PORCH = 182 SF
TOTAL = 4,468 SF -- 20%	TOTAL = 5,855 SF -- 27%
INCREASED BY = 308 SF -- 7%	

GROUNDWATER RECHARGE CALCULATIONS

15% OF LOT AREA = 21,860 SF x 15% = 3,279 SF
 PROPOSED TOTAL IMPERVIOUS = 5,855 SF
GROUNDWATER RECHARGE REQUIRED
 REQUIRED RECHARGE AREA = 5,855 SF - 3,279 SF = 2,576 SF
 REQUIRED RECHARGE VOLUME = 0.25" x IMPERVIOUS COVER (HSG C SOIL)
 = 0.25" x (1"/12") x 2,576 SF = 53.6 CF
 PROVIDED RECHARGE VOLUME = 62.2 CF > 53.6 CF



Handwritten signature of Carlos Ferreira

MP DESIGN
 CONSULTANTS
 DESIGNING AND MANAGING YOUR DREAM
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MARK	DATE	DESCRIPTION	BY
-	01/29/24	SUBMISSION	CMS

Sullivan Residence
 15 WING ROAD
 LYNNFIELD, MA 01940
**IMPERVIOUS AREA
 SKETCH PLAN**

PROJ:	24016
DESN:	CMS
DRWN:	CMS
CHKD:	CEF
FIGURE 1	