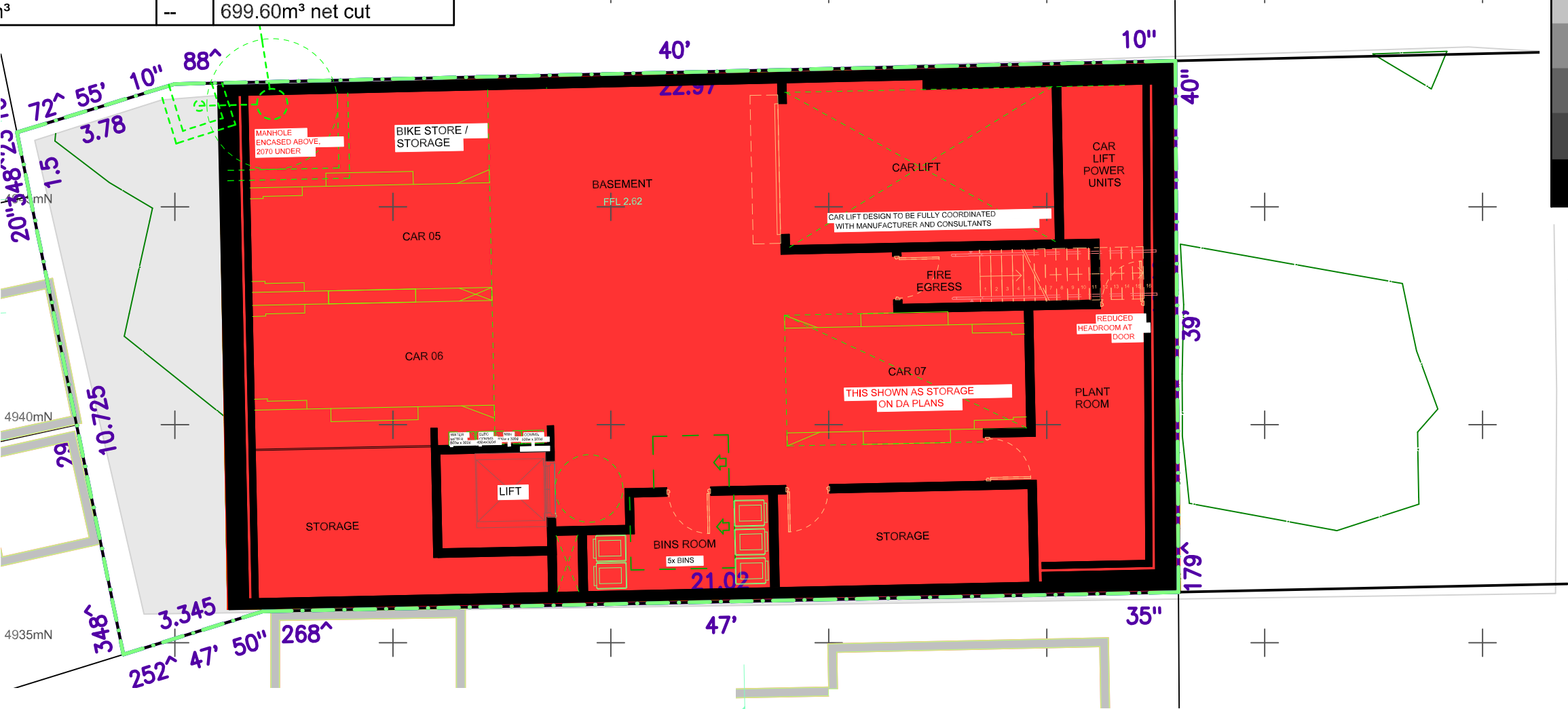


ALL EARTHWORKS

	Cut	Fill	Cut & Fill
Range	2.64m Av, 3.05m max	--	3.05m max cut
Levels	2.62m to 5.67m	--	2.62m to 5.67m
2D Area	264.82m²	--	264.82m²
3D Area	429.83m²	--	429.83m²
Volume	699.60m³	--	699.60m³ net cut



- NOTES
1. THIS CONCEPT CUT & FILL SKETCH AND VOLUMES ARE PROVIDED FOR HIGH LEVEL INFORMATION AND CONTINGENCY SHOULD BE APPLIED.
 2. CONCEPT CUT & FILL ONLY BASED ON SURVEY PROVIDED. THE SURVEY PROVIDED HAD MISSING DTM DATA ACROSS SUBJECT SITE, THEREFORE CUT & FILL DEPTHS ARE INDICATIVE ONLY. TO BE CONFIRMED DURING DETAILED DESIGN STAGE.
 3. CUT & FILL WORKS TO REFERENCED FINISHED FLOOR LEVELS PROVIDED IN THE ARCHITECTURAL DRAWINGS.
 4. CALCULATIONS DO NOT CONSIDER CUT FROM SUBSOIL TRENCHING.
 5. TENDERERS/CONTRACTORS MUST UNDERTAKE THEIR OWN INDEPENDENT EARTHWORKS VOLUMES CALCULATIONS TO CONFIRM FOR COSTINGS - JN DOCUMENTED EARTHWORKS VOLUMES ARE EXPRESSED AS INDICATIVE BANKED VOLUMES ONLY AND ARE NOT TO BE TAKEN AS ACCURATE. UNLESS NOTED OTHERWISE THE VOLUMES ARE SUBJECT TO INHERENT PREVAILING CONDITIONS AND MODELLING LIMITATIONS INCLUDING BUT NOT LIMITED TO:

- a. NO ALLOWANCE FOR BULKING AND COMPACTION ACTORS.
 - b. NO ALLOWANCE FOR STORMWATER OR OTHER UTILITY SERVICES TRENCHING AND/OR BACKFILLING.
 - c. NO ALLOWANCE FOR PITS, TANKS, INGROUND ITEMS, ETC.
 - d. NO ALLOWANCE FOR SOIL REMEDIATION/AMELIORATION AND ASSOCIATED VOLUME ADJUSTMENTS.
 - e. NO ALLOWANCE FOR CATEGORISATION AND/OR SELECTIVE FILLING WITH IMPORTED OR SITE-WON EXCAVATED SOILS.
 - f. NO ALLOWANCE FOR STRUCTURAL FOUNDATIONS.
6. QUANTITIES ARE CALCULATED AGAINST THE APPLIED SITE SURVEY DATA VS THE PROPOSED FINISHED FLOOR LEVELS AS BEST DETERMINED FROM THE AVAILABLE INFORMATION
 7. NO PAVEMENT BOXOUTS HAVE BEEN ALLOWED
 8. ALL ASSUMPTIONS TO BE VERIFIED BY GEOTECHNICAL ENGINEER INCLUDING CLASSIFICATION AND SUITABILITY OF ALL IMPORTED AND SITE REUSE MATERIALS PRIOR TO INCLUSION IN THE WORKS
 9. ALL EARTHWORKS TO BE CARRIED OUT IN ACCORDANCE WITH AS3798-2007.

ISSUED FOR DA



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CIVIL SKETCH

CUT & FILL

**Proposed Residential
Development**
92 North Steyne
Manly NSW 2095
Lighthouse Project Group

**N0241353
CSK500 2**