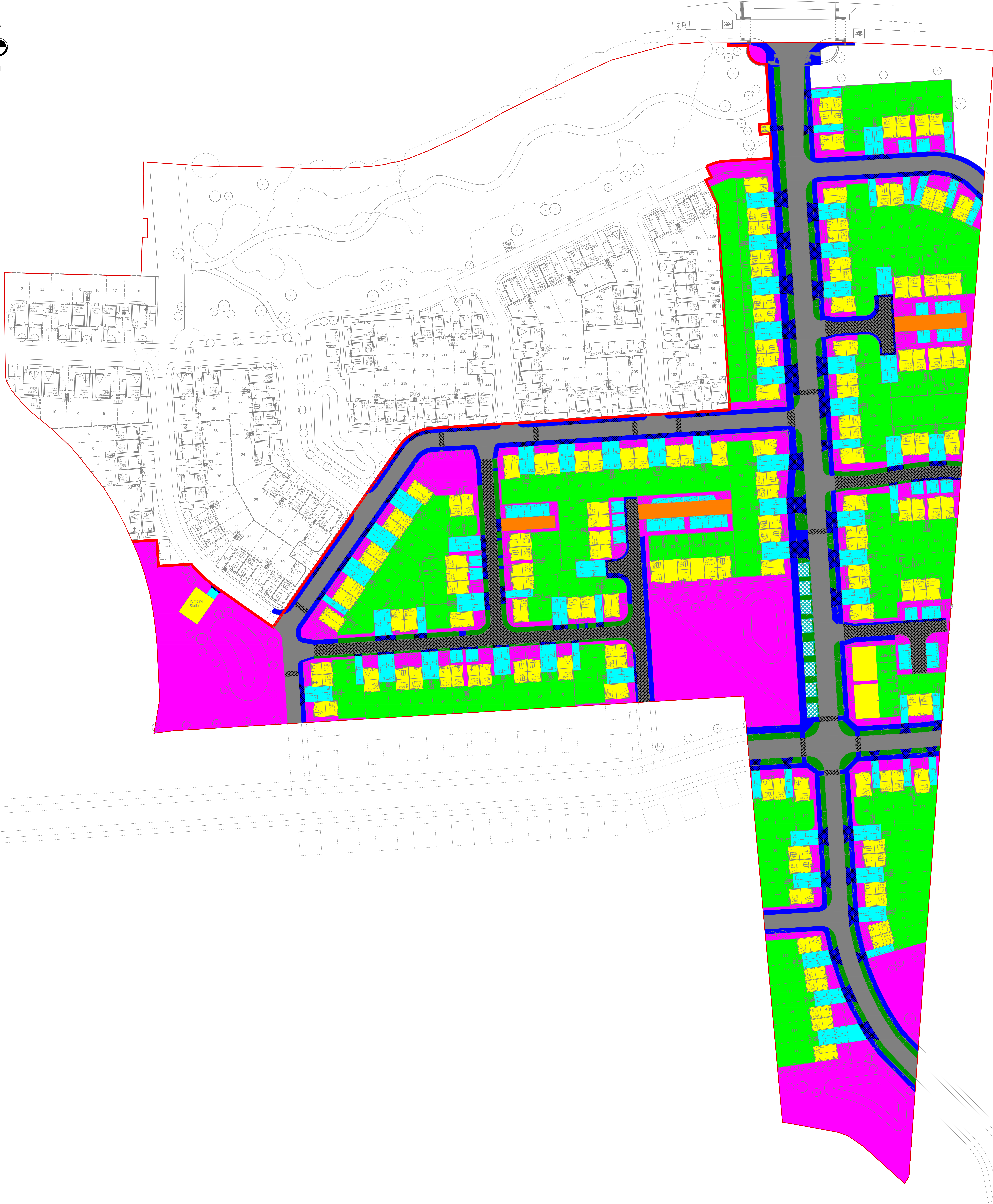




<u>KEY</u>	
	PHASE SPLIT
	PILOTS
	ADOPTABLE CARRIAGEWAY TARMAC
	ADOPTABLE CARRIAGEWAY BLOCK PAVING
	ADOPTABLE FOOTWAY
	ADOPTABLE VEHICLE CROSSING
	ADOPTABLE BIORETENTION AREA
	ADOPTABLE VERGE
	REAR GARDENS
	SOFT LANDSCAPING AND HARDSTANDING
	PRIVATE PARKING BAYS
	SHARED DRIVEWAYS AND CAR PARKS

FILL VOLUME REQUIRED FROM EXISTING SITE LEVELS TO PROPOSED = **11,844m³**

CUT ESTIMATIONS BASED ON TOTAL AREAS v THE DEPTH OF CONSTRUCTION

- 450mm FROM FFL TO REDUCED LEVEL = **3,392m³** (TOTAL AREA: 7,537m²)
- 750mm ADAPTABLE CARRIAGEWAY TARMAC = **4,241m³** (TOTAL AREA: 5,654m²)
- 750mm ADAPTABLE CARRIAGEWAY BLOCK PAVING = **1,678m³** (TOTAL AREA: 2,237m²)
- 280mm ADAPTABLE FOOTWAY = **876m³** (TOTAL AREA: 3,130m²)
- 280mm ADAPTABLE VEHICLE CROSSING = **475m³** (TOTAL AREA: 1,697m²)
- 1,150mm ADAPTABLE BIORETENTION AREA = **221m³** (TOTAL AREA: 192m²)
- 300mm ADAPTABLE VERGE = **870m³** (TOTAL AREA: 1,901m²)
- 600mm REAR GARDENS = **8,627m³** (TOTAL AREA: 14,379m²)
- 450mm SOFT LANDSCAPING & HARDSTANDING = **5,873m³** (TOTAL AREA: 13,052m²)
- 330mm PRIVATE DRIVEWAYS = **1,725m³** (TOTAL AREA: 5,226m²)
- 420mm SHARED DRIVE WAYS AND CAR PARKING = **211m³** (TOTAL AREA: 502m²)

THEREFORE AN OVERALL NET CUT OF **16,045m³** IS REQUIRED FOR THE SITE

ESTIMATED VOLUMES ABOVE **DO NOT** ACCOUNT FOR THE FOLLOWING ITEMS:

- TOP SOIL STRIP TO SITE PRIOR TO REDUCED LEVEL DIG - APPROX. 15,240m³ ALLOWING FOR AN AVERAGE DEPTH OF 300mm ACROSS THE WHOLE SITE AREA TO BE REMOVED FROM SITE.
- ARISINGS FROM PLOT DRAINAGE - APPROX. 790m³ - ASSUMING AN AVERAGE OF 5.0m² PER PLOT
- ARISINGS FROM PLOT SERVICES - APPROX. 316m³ - ASSUMING AN AVERAGE OF 2.0m² PER PLOT
- ADOPTABLE SEWERS AND MANHOLES
- STRIP FOUNDATIONS TO PLOTS
- RETAINING WALL CONSTRUCTION AND FOUNDATIONS IF REQUIRED
- ADDITIONAL CAPPING STONE TO HIGHWAY CORRIDOR IF REQUIRED FOR HAUL ROAD OR WEAKER CBR VALUES
- PILING MAT TO PLOTS REQUIRING VIBRO STONE REINFORCED COLUMNS OR DRIVEN PILES.
- NO ALLOWANCE FOR BULKING

DRAWING STATUS:

CLIENT: YOUR HOUSING GROUP

ARCHITECT: BARTON WILLMORE

TITLE: CUT AND FILL
TOTAL AREAS PLAN
PHASE 1

AJP consulting engineers
est. 1978 0151 227 1462 info@ajpltd.co.uk 91 Dale Street, Liverpool, L2 2ET