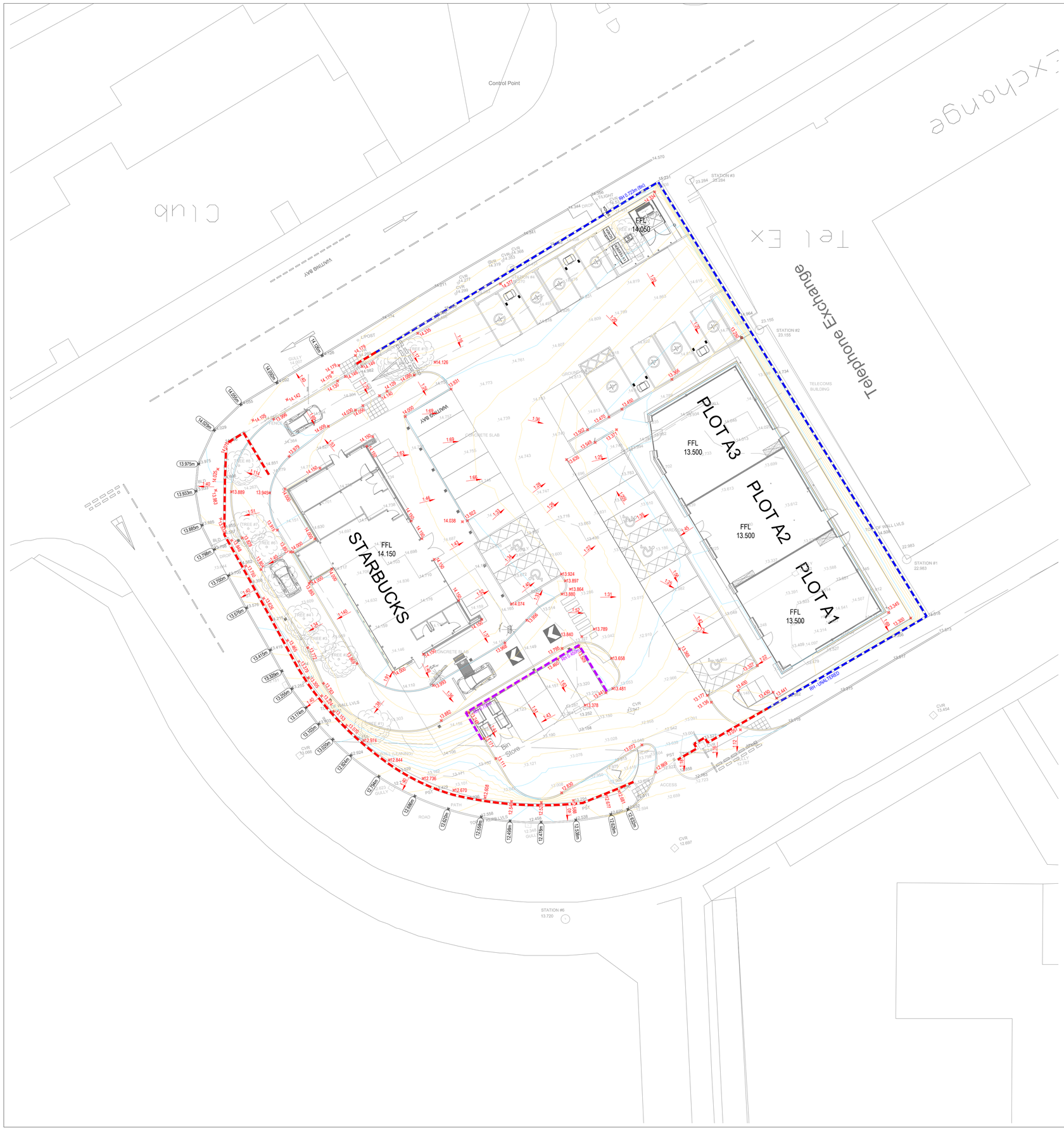


GENERAL SAFETY NOTES:

1. WHERE THE BASE (ROAD BASE) HAS BEEN USED AS A TEMPORARY RUNNING SURFACE DURING THE CONTRACT IT SHALL BE THOROUGHLY CLEANED AND POWER WASHED AS NECESSARY. AFTER DRYING AND IMMEDIATELY BEFORE THE BINDER COURSE IS LAID A TACK COAT OF BITUMEN EMULSION CLASS A1-40 OR K1-40 TO BS434 SHALL BE APPLIED AT A RATE OF 0.35-0.55 LITRES/SQ.METER.
2. ALL RADIUS KERBS WITH A RADIUS OF 12m OR LESS SHALL BE FORMED WITH PROPRIETARY RADIUS KERBS.

HEALTH & SAFETY:

1. CONTRACTOR SHOULD BE AWARE OF GENERAL CONSTRUCTION RISKS TO PREVENT SLIPS, TRIPS AND FALLS AND TAKE NECESSARY PRECAUTIONS WITHOUT SPECIAL INSTRUCTION.

ROADS & DRAINAGE

2. CONTRACTOR TO PROVIDE TRENCH SUPPORTS AS APPROPRIATE AND ENSURE THAT PLANT REMAINS A SAFE DISTANCE FROM TRENCHES PRIOR TO INSTALLING DRAINAGE
3. THE TIME THAT EXCAVATIONS ARE OPEN ON SITE SHOULD BE KEPT TO A MINIMUM AND ALL TRENCHES SHOULD BE SURROUNDED BY A BARRIER.
4. CONNECTIONS TO EXISTING SEWERS TO BE MADE BY APPROVED CONTRACTOR ONLY.
5. CONTRACTOR TO MAKE OPERATIVES AWARE OF ASSOCIATED DANGERS TO HEALTH SUCH AS LEPTOSPIROSIS (WEILS DISEASE) AND RECOMMENDED PRECAUTIONS. ADEQUATE WELFARE FACILITIES AND PROTECTIVE CLOTHING TO BE PROVIDED AS REQUIRED.
6. UNFINISHED MANHOLES MUST BE COVERED WITH LOAD BEARING MATERIALS AND SURROUNDED WITH BARRIER.

PIPES & CABLES

7. CONTRACTOR TO OBTAIN ALL SERVICE RECORDS PRIOR TO WORKS COMMENCING.
8. SERVICE RECORDS TO BE REFERRED TO PRIOR TO WORK COMMENCING. CONTRACTOR TO PROCEED WITH CAUTION AND SERVICES TO BE LOCATED BY HAND DIG AND PROTECTED ACCORDINGLY.

EXCAVATION/FILL

9. CONTRACTOR TO ENSURE RELEVANT MEASURES ARE TAKEN TO KEEP PLANT AND PEOPLE A SAFE DISTANCE FROM STEEP SLOPES DURING THE WORKS.
10. CONTRACTOR TO ENSURE THAT PROCEDURES ARE IN PLACE TO KEEP PEOPLE A SAFE DISTANCE FROM WORKING PLANT WHERE NECESSARY.
11. CONTRACTOR TO REFER TO GROUND INVESTIGATION REPORT FOR CONTAMINATION TESTS AND TO PROVIDE ADEQUATE WELFARE FACILITIES AND PROTECTIVE CLOTHING AS REQUIRED.

DESIGN NOTES:

1. ALL WORKS TO COMPLY WITH CURRENT VERSION OF THE FOLLOWING DOCUMENTS:
   - DESIGN MANUAL FOR ROADS AND BRIDGES (DMRB)
   - SPECIFICATION FOR HIGHWAY WORKS (SHW)
   - LOCAL AUTHORITY DESIGN GUIDE AND SPECIFICATION
2. PRIOR TO COMMENCING WORKS THE CONTRACTOR SHOULD INVESTIGATE AND LOCATE AS NECESSARY ANY STATUTORY UNDERTAKERS EQUIPMENT WITHIN THE NEW ACCESS AND DISCUSS REQUIREMENTS FOR LOWERING/DIVERSION AND PROTECTION WITH THE RELEVANT UNDERTAKER.
3. ALL WORKS WITHIN THE PUBLIC HIGHWAY TO MEET LOCAL AUTHORITY REQUIREMENTS. CONTRACTOR TO APPLY FOR ROAD OPENING NOTICES ETC AS REQUIRED.
4. CBR VALUE NOT AVAILABLE. ROAD CONSTRUCTION DETAIL SUBJECT TO CONFIRMATION OF CBR VALUES. CONTRACTOR TO ALLOW FOR LAB TESTS TO BE UNDERTAKEN IN AGREEMENT WITH LOCAL AUTHORITY HIGHWAY ENGINEER PRIOR TO WORKS COMMENCING.
5. PROPOSED LEVELS HAVE BEEN BASED ON THE EXISTING TOPOGRAPHICAL SURVEY BY **IAN RUTHERFORD SURVEYING - REF JR255 - 01A DATED 30.01.2022.**
6. PROPOSED DRAWING BASED ON ARCHITECTURAL LAYOUT BY **IMA ARCHITECTS RECEIVED VIA EMAIL ON 15.07.2023.**
7. SLOPES GREATER THAN 1 IN 6 MAY REQUIRE STABILISATION. GEOTECHNICAL ENGINEER TO BE CONTACTED TO CONFIRM REQUIREMENTS.

CUT & FILL TRIANGULATION SURFACE NOTES

1. THE NET CUT AND FILL DEPTHS & VOLUMES ABOVE HAVE BEEN TAKEN FROM A DIRECT COMPARISON BETWEEN THE PROPOSED FINISHED LEVELS & LATEST TOPOGRAPHICAL SURVEY DATA RECEIVED.

2. NO ALLOWANCE HAS BEEN MADE IN THE NET VOLUME FOR THE FOLLOWING:

- IMPORTED/EXPORTED TOP SOIL.
- ARISINGS FROM DRAINAGE & FOUNDATION EXCAVATIONS
- VOIDS UNDER SUSPENDED SLABS.
- SOIL BULKING FACTOR
- SITE CLEAN MATERIAL

3. THE PROPOSED FINISHED LEVELS ARE INDICATIVE ONLY AND ARE SUBJECT TO DETAILED DESIGN.

SURFACE LEVEL DATA

NUMBER	MINIMUM LEVEL	MAXIMUM LEVEL	COLOUR	AREA m2	VOLUME m3
1	-1.43	-1.25		86.03	5.97
2	-1.25	-1.00		157.00	39.87
3	-1.00	-0.75		309.58	96.35
4	-0.75	-0.50		461.58	185.37
5	-0.50	-0.25		403.75	302.67
6	-0.25	0.00		584.12	417.83
7	0.00	0.25		448.95	136.03
8	0.25	0.50		233.12	51.39
9	0.50	0.78		95.54	8.23

CUT VOLUME = 1,048.062m³
FILL VOLUME = 195.659m³

NET VOLUME = 852.403m³ (CUT/SURPLUS)

KEY

- EXISTING RETAINING WALL TO BE REMOVED
- RH 0.0m — PROPOSED RETAINED HEIGHT - EXISTING RETAINING WALL TO REMAIN.
- RH 0.0m — RETAINED HEIGHT - NEW RETAINING WALL
- MAJOR CONTOUR
- MINOR CONTOUR
- 1:21 — PROPOSED GRADIENT
- 45.950 — PROPOSED LEVELS
- (45.950) — EXISTING LEVELS

Date	Revisions	Drawn	Checked	Rev
08.04.2025	DRIVE-THRU LEVELS AMENDED TO SUIT LATEST SITE LAYOUT	JS	RWO	3
31.01.2024	LEVELS AMENDED TO SUIT BOUNDARY CONDITIONS.	AM	RWO	2
22.08.2023	FIRST ISSUE	RPB	RB	1

Dwg Status: PLANNING

NORTH EAST
0191 2585632

YORKSHIRE
0113 5323500

RWO
CONSULTING ENGINEERS

WWW.RWO.GROUP
INFO@RWO.GROUP

Client: MODO BLOCK LTD.

Project: CROSSGATE
CLAYPATH LANE, SHOUTH SHIELDS

Title: PRELIMINARY CUT/FILL COMPARISON PLAN

DO NOT SCALE	Scale @ A1: 1:200	Drawn RPB	Checked RB	Date 22.08.2023
Job No 22123		Dwg No D600		Rev 3