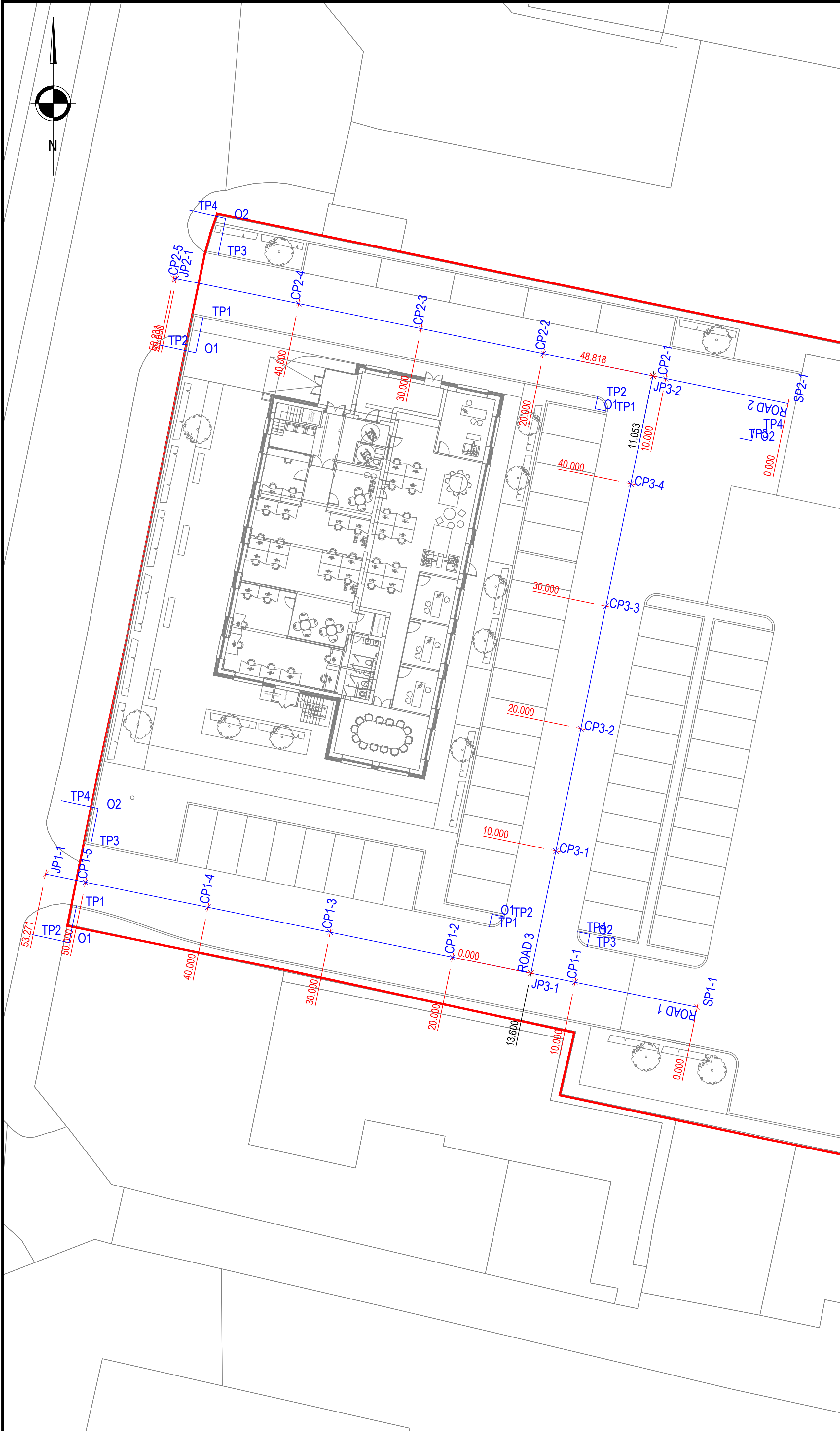




ALIGNMENT ROAD 1									
LOCATION	CHAINAGE	EASTING	NORTHING	LEVEL	RADIUS	BEARING	ANGLE	ARC LENGTH	TANL
SP1-1	0.000	342854.225	398562.019	41.018		281.54202			
CP1-1	10.000	342844.428	398564.020	40.893					
CP1-2	20.000	342834.630	398566.021	40.768					
CP1-3	30.000	342824.832	398568.021	40.641					
CP1-4	40.000	342815.034	398570.022	40.476					
CP1-5	50.000	342805.236	398572.023	40.264		281.54202			
JP1-1	53.271	342802.031	398572.678	40.190					

ALIGNMENT ROAD 2									
LOCATION	CHAINAGE	EASTING	NORTHING	LEVEL	RADIUS	BEARING	ANGLE	ARC LENGTH	TANL
SP2-1	0.000	342861.498	398610.359	40.820		281.54202			
CP2-1	10.000	342851.700	398612.360	40.429					
CP2-2	20.000	342841.902	398614.361	40.192					
CP2-3	30.000	342832.105	398616.362	40.052					
CP2-4	40.000	342822.307	398618.363	39.742					
CP2-5	50.000	342812.509	398620.364	39.674		281.54202			
JP2-1	50.231	342812.282	398620.410	39.677					

ALIGNMENT ROAD 3									
LOCATION	CHAINAGE	EASTING	NORTHING	LEVEL	RADIUS	BEARING	ANGLE	ARC LENGTH	TANL
JP3-1	0.000	342840.900	398564.740			11.54203			
CP3-1	10.000	342842.901	398574.538	40.686					
CP3-2	20.000	342844.902	398584.336	40.561					
CP3-3	30.000	342846.903	398594.133	40.437					
CP3-4	40.000	342848.904	398603.931	40.405					
JP3-2	48.818	342850.668	398612.571			11.54203			

JUNCTION DETAILS : ROAD 1 - LEE LH Side					
Curve 1	E	N	Level	Radius	
Centre O1 :	342803.912	398567.191	3.000		
Start TP1:	342804.512	398570.130	40.289		
End TP2:	342800.980	398567.827	40.228		

JUNCTION DETAILS : ROAD 1 - LEE RH Side					
Curve 2	E	N	Level	Radius	
Centre O2 :	342806.239	398577.942	3.000		
Start TP3:	342805.638	398575.003	40.210		
End TP4:	342803.304	398578.565	40.141		

JUNCTION DETAILS : ROAD 2 - LEE LH Side					
Curve 1	E	N	Level	Radius	
Centre O1 :	342814.065	398614.432	3.000		
Start TP1:	342814.665	398617.372	39.700		
End TP2:	342811.132	398615.060	39.749		

JUNCTION DETAILS : ROAD 2 - LEE RH Side					
Curve 2	E	N	Level	Radius	
Centre O2 :	342816.455	398625.171	3.000		
Start TP3:	342815.855	398622.232	39.603		
End TP4:	342813.531	398625.843	39.631		

JUNCTION DETAILS : ROAD 3 - ROAD 1 LH Side					
Curve 1	E	N	Level	Radius	
Centre O1 :	342837.782	398569.460	1.000		
Start TP1:	342837.581	398568.480	40.723		
End TP2:	342838.761	398569.260	40.716		

JUNCTION DETAILS : ROAD 3 - ROAD 1 RH Side					
Curve 2	E	N	Level	Radius	
Centre O2 :	342845.620	398567.859	1.000		
Start TP3:	342845.420	398566.879	40.823		
End TP4:	342844.640	398568.059	40.806		

JUNCTION DETAILS : ROAD 3 - ROAD 2 LH Side					
Curve 1	E	N	Level	Radius	
Centre O1 :	342846.049	398609.942	1.000		
Start TP1:	342847.029	398609.742	40.379		
End TP2:	342846.249	398610.922	40.347		

JUNCTION DETAILS : ROAD 3 - ROAD 2 RH Side					
Curve 2	E	N	Level	Radius	
Centre O2 :	342853.887	398608.341	1.000		
Start TP3:	342852.907	398608.541	40.541		
End TP4:	342854.087	398609.321	40.600		

- IMPORTANT NOTES
- SETTING OUT SHALL BE UNDERTAKEN USING ONLY THE INFORMATION GIVEN. DISTANCES SHOULD NOT BE SCALED FROM THIS DRAWING.
 - ALL SEWERS SHALL BE CONSTRUCTED IN ACCORDANCE WITH SEWERS FOR ADOPTION 7TH EDITION AND UNITED UTILITIES DETAILS & GUIDELINES.
 - THE MINIMUM GRAVITY PIPE DIAMETER UNDER ADOPTABLE HIGHWAYS SHALL BE 150mm
 - IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL INFORMATION GIVEN WITH REGARDS TO EXISTING SERVICES AND DRAINAGE CONNECTIONS ETC PRIOR TO COMMENCING THE WORKS. THE NOTES SHALL INCLUDE FOR HAND DIG AROUND SERVICES WHERE NECESSARY. THE CONTRACTOR SHALL ADHERE TO THE CON REGULATIONS AT ALL TIMES
 - THE OUTSIDES OF ALL SEWERS SHALL BE A MINIMUM OF 1.0m FROM KERB LINES AND THE OUTSIDE OF MANHOLES SHALL BE A MINIMUM OF 0.5m FROM KERB LINES
 - EXISTING FLOWS IN WATERCOURSES, SEWERS AND LAND DRAINS SHALL BE MAINTAINED AT ALL TIMES
 - ONLY TRAINED PERSONNEL SHALL BE PERMITTED TO ENTER CONFINED SPACES
 - ALL MATERIALS TO BEAR THE RELEVANT B.S. KITEMARK AND COMPLY FULLY WITH THE SPECIFICATIONS. ALL CONCRETE & CONCRETE PRODUCTS MUST USE SULPHATE RESISTANT CEMENT (UNLESS THE SITE INVESTIGATION REPORT PROVES THAT SULPHATE ATTACK FROM SOILS AND GROUNDWATER WILL NOT OCCUR TO WITHSTAND A CLASS
 - ALL OPENING NOTICES ETC. AS REQUIRED UNDER HIGHWAYS ACTS ETC. ARE TO BE OBTAINED PRIOR TO COMMENCEMENT OF WORKS. ALL WORKS ARE TO BE INSPECTED BY L.A. NHBC OR THE NETWORK OPERATOR AS APPLICABLE.
 - WHERE 'ULTRA RIB' UPVC PIPES (OR SIMILAR APPROVED) ARE USED IN ADOPTABLE DRAINAGE THEY SHALL STILL BE HANDLED AND LAID IN ACCORDANCE WITH THE SPECIFICATION AND GUIDANCE ISSUED BY THE HIGH PERFORMANCE PIPE ASSOCIATION.
 - A CLASS 5 BED AND SURROUND MUST BE USED FOR SUCH PIPES. TRENCH BACKFILL IN HIGHWAYS TO WITHIN 1M OF HIGHWAY SHALL AS DIRECTED BY THE HIGHWAY AUTHORITY BE A SUITABLE GRANULAR MATERIAL ALL IN ACCORDANCE WITH SEWERS FOR ADOPTION CL. 4.3.4.
 - SUB LEVELS SHALL NOT BE VARIED WITHOUT REFERENCE TO THE ENGINEER FOR GUIDANCE
 - ALL GULLY CONNECTIONS TO BE 150mm VITRIFIED CLAY UNLESS NOTED OTHERWISE
 - ALL MANHOLE COVERS TO BE RECESSED TO ACCEPT FINISH AS DETAILED BY LANDSCAPE ARCHITECT
 - SLOW REEST BENDS TO BE USED IN ALL LOCATIONS MADE UP FROM 2%+45 DEG BENDS (600mm TO INVERT FROM FFL)
 - MANHOLE POSITIONS AND ACCESS COVERS TO BE ACCURATELY SET OUT BY LANDSCAPE ARCHITECT TO SUIT EXTERNAL FINISHES
 - ALL DRAINS CAST THROUGH FOUNDATIONS TO HAVE ROCKER PIPES ON BOTH SIDES OF FOUNDATION
 - ALL POP UP POSITIONS TO BE CONFIRMED SET OUT DIMENSIONS TO BE AGREED & PROVIDED BY OTHERS
 - ALL DISCHARGE RATES TO BE CONFIRMED BY M&E DESIGNER
 - ALL SURFACE WATER COLLECTION FEATURES TO BE CONFIRMED BY THE LANDSCAPE ARCHITECT
 - STORAGE HAS BEEN PROVIDED IN A CELLULAR STORAGE TANK AND UP-SIZED MANHOLES AND PIPES.
 - EXISTING SEWER DEPTHS HAVE BEEN APPROXIMATED FROM LIMITED INFORMATION. NEW CONNECTIONS TO BE CONFIRMED PRIOR TO CONSTRUCTION OF ANY DRAINAGE WORKS.
 - LANDSCAPE ARCHITECT TO CONFIRM GULLY AND DRAINAGE CHANNEL LOCATIONS TO LANDSCAPED AREAS.
 - FOUL NETWORK TO BE CONFIRMED FOLLOWING CONFIRMATION OF BRANCH CONNECTION POINTS FROM BUILDING M&E DESIGNER
 - CCTV SURVEY OF EXISTING SITE DRAINAGE REQUIRED PRIOR TO THE COMMENCEMENT OF ANY WORKS STARTING ON SITE

P1	09.11.2022	PRELIMINARY ISSUE	LS	KOB	KOB
REV	DATE	DESCRIPTION	BY	CHK	APP

DRAWING STATUS:

PRELIMINARY

CLIENT:

HUYTON ASPHALT LTD

ARCHITECT:

DK-ARCHITECTS

PROJECT:

LEES ROAD
KNOWSLEY INDUSTRIAL PARK
KNOWSLEY

TITLE:

ROAD SETTING OUT

STATUS:	PROJECT No:	PROJECT	ORIGINATOR	VOL/YS	LEVEL	TYPE	ROLE	DRAWING No.	REV:
S2	221-160	LRK - AJP	-ZZ - 00 - DR - C - 0004						P01

SCALE @ A1:	DESIGNED:	DRAWN:	CHECKED:	APPROVED:	DATE:
1:200	LS	LS	KOB	KOB	NOV 2022