



- NOTES**
- THIS DRAWING IS PRELIMINARY AND IS SUBJECT TO CHANGE DEPENDING ON FURTHER DEVELOPMENT OF THE G.A., SITE LAYOUT, RWP AND POP-UP LAYOUT.
 - THIS DRAWING IS BASED ON THE CSBA PROPOSED SITE PLAN, DRAWING NUMBER 1446_PL101_C.
 - TO BE READ IN CONJUNCTION WITH ALL RELEVANT KENNEDY REDFORD DRAWINGS.
 - EXISTING SEWER LOCATIONS AND LEVELS TO BE CONFIRMED BY CONTRACTOR ON SITE, PRIOR TO WORK COMMENCING.
 - ANY PART OF THE EXISTING DRAINAGE SYSTEM TO BE RETAINED AS PART OF THE NEW SCHEME SHALL BE CLEANED AND INSPECTED. ANY STRUCTURAL DEFECTS SHALL BE REPAIRED USING APPROPRIATE AND APPROVED MEANS.
 - ALL REDUNDANT EXISTING DRAINAGE TO BE GRABBED UP OR GRATED. ANY EXISTING LIVE DRAINAGE SHOULD BE REPORTED TO THE ENGINEER AND RECONNECTED.
 - ANY EXISTING DRAINAGE WHICH BECOMES UNDER TRAFFICED AREAS IN THE NEW SCHEME SHOULD BE SUBJECT TO THE FOLLOWING REMEDIAL PROVISIONS: WHERE DEPTH OF COVER IS LESS THAN 1200mm, THE EXISTING PIPEWORK SHALL BE EXPOSED & SURROUNDED WITH 150mm CONCRETE SURROUND, WHERE THE EXISTING MANHOLE COVER & FRAME IS NOT AS MANHOLE DETAIL A OR B, OR TO BS497 GRADE A, OR EN124 CLASS D, THEN IT SHOULD BE CHANGED FOR SUCH.
 - PRIVATE DRAINS TO BE CONSTRUCTED IN ACCORDANCE WITH BUILDING REGULATIONS.
 - NO CONNECTION TO BE MADE TO THE PUBLIC SEWER UNTIL APPROVAL HAS BEEN RECEIVED FROM UNITED UTILITIES AND BLACKBURN & DARWEN BOROUGH COUNCIL.
 - NO CONNECTION TO BE MADE TO THE WATERCOURSE UNTIL APPROVAL HAS BEEN RECEIVED FROM BLACK & DARWEN BOROUGH COUNCIL AND THE ENVIRONMENT AGENCY.
 - ALL MANHOLE LEVELS ARE INDICATIVE ONLY.
 - ALL MANHOLE AND PIPE POSITIONS ARE APPROXIMATE AND MAY BE UPDATED FOLLOWING FURTHER DISCUSSIONS WITH THE RELEVANT AUTHORITIES.
 - ALL MANHOLE SIZES ARE 1200mm UNLESS INDICATED OTHERWISE.
 - ALL INSPECTION CHAMBER SIZES ARE 475mm UNLESS INDICATED OTHERWISE.
 - UNLESS INDICATED OTHERWISE ALL PIPES TO BE LAID SOFFIT TO SOFFIT.
 - WHERE PROPOSED DRAINS ARE IN PROXIMITY TO PROPOSED FOUNDATIONS, THE FOUNDATIONS SHALL BE TAKEN DEEPER TO BELOW THE DRAINS OR THE DRAINS SHOULD BE PROTECTED WITH ALL CONCRETE SURROUND.
 - PROPOSED PIPEWORK WITH LESS THAN THE FOLLOWING DEPTHS TO SOFFIT REQUIRES A CONCRETE SURROUND:
 - 1.2m IN ROADS
 - 0.6m UNDER FOOTPATHS, CONCRETE SLABS AND UNDER BUILDINGS
 - SETTING OUT OF RAINWATER PIPES, WASTEWATER CONNECTIONS AND POP-UP POSITIONS OF ABOVE GROUND DRAINAGE BY OTHERS.
 - LINEAR DRAIN AND GULLIES ARE NOT SHOWN AT THIS TIME.
 - ALL LINEAR DRAIN OUTLETS TO HAVE SALT BUCKETS.
 - ALL ROAD GULLIES ARE TO BE TRAPPED AND FLOODABLE.
 - ALL GULLY LEADS TO BE 150mm DIAMETER.
 - ALL ROAD GULLIES & LEADS TO BE CLEARED OF DEBRIS UPON COMPLETION OF WORKS.
 - ALL UNDERSLAB FOUL PIPES TO BE 100mm Ø LAID AT A MAX 1:40 GRADIENT U.N.O.
 - AT LEAST ONE SOUL PIPE AT THE HEAD OF EACH FOUL RUN SHALL VENT TO THE ATMOSPHERE.
 - PROPOSED DRAINAGE IS SUBJECT TO CONFIRMATION (BY CONTRACTOR) OF LEVELS OF EXISTING DRAINAGE AT PROPOSED CONNECTION POINTS.
 - CONTRACTOR TO ARRANGE ALL SEWERS AND DRAINS TO BE FLESHED OUT BEFORE FINAL CCTV SURVEY IS CARRIED OUT ON COMPLETION OF WORKS.
 - CONTRACTOR TO APPLY FOR SEWER PERMITS AND ROAD OPENING PERMITS AS NECESSARY FROM THE APPROPRIATE AUTHORITIES, PRIOR TO COMMENCING WORKS.
 - THE CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY WORKS AND CONSTRUCTION PROCEDURES.

- KEY**
- EXISTING FOUL WATER SEWER
 - EXISTING SURFACE WATER DRAIN
 - EXISTING FOUL WATER DRAIN
 - PROPOSED SURFACE WATER DRAIN
 - PROPOSED FOUL WATER DRAIN
 - PROPOSED SUMP MANHOLE
 - PROPOSED FLOW CONTROL
 - PROPOSED POROUS PAVING AND COLLECTION DRAIN
 - PROPOSED HEADWALL
 - PROPOSED CONCRETE BUND
 - EXISTING RAINWATER PIPE
 - EXISTING GULLY
 - PROPOSED BACKCROP

NO	DATE	DESCRIPTION	DRN	CHK	APP
P03	01.03.24	SITE LAYOUT UPDATED	R.B.	P.V.	D.B.
P02	28.03.23	SUMP MANHOLE SIZES	R.B.	P.V.	D.B.
P01	21.07.23	SITE LAYOUT UPDATED	R.B.	P.V.	D.B.

Kennedy Redford
MANAGING VISION

CLIENT
suez

PROJECT NAME
DARWEN PLANNING PERMISSION

DRAWING TITLE
PROPOSED DRAINAGE LAYOUT SHEET 2 OF 4

DATE	SCALE	SHEET SIZE	REV
21.07.23	1:250	A0	P03

DRAWING STATUS
S1 - ISSUED FOR INFORMATION

DRAWING NUMBER
230623 - KRD - XX - XX - DR - C - 0002