

NOTES:

- ALL DIMENSIONS ARE IN mm UNLESS STATED OTHERWISE.
- ALL LEVELS ARE IN mAOD UNLESS STATED OTHERWISE.
- DO NOT SCALE FROM THIS DRAWING.
- MINIMUM ROAD WIDTH TO BE 4m.
- THIS DRAWING TO BE READ IN CONJUNCTION WITH CS501 (CESM 7th EDITION) AND CS501A (WELSH WATER CIVIL ENGINEERING SPECIFICATION).
- CONCRETE SHALL COMPLY WITH MMB/DCWW STANDARD CONCRETE SPECIFICATION VERSION 4.
- ALL ROAD MATERIALS TO BE SUITABLE FOR USE ON DWI SITES.
- ROAD TO HAVE MAXIMUM LONGITUDINAL GRADIENT 1:10.
- LEVELS SUBJECT TO CHANGE SUBJECT TO SITE SURVEY FOLLOWING EXCAVATION WORKS AND RE-PROFILING.
- REFER TO 'STANDARD DETAILS' - FOR ROAD CROSS-SECTION AND SUB-BASE DETAILS.
- A MINIMUM OF 3 LOCATIONS OF THE ACCESS ROAD ARE CBR TESTED AT REGULAR INTERVALS ALONG THE ROAD IN ORDER TO DETERMINE ROAD THICKNESS. ADDITIONAL 3 TESTS TO BE CARRIED OUT IF SIGNIFICANT DIFFERENCE IN CBR IS FOUND. REFER TO 'ACCESS TRACK DESIGN CALCULATION' FOR FULL DETAILS. IF THE IN-SITU TESTS AT FORMATION LEVEL ARE <2.5% THEN TENSAR (OR SIMILAR) SHOULD BE CONSULTED WHO CAN PROVIDE A RECOMMENDATION FOR THE REQUIRED ROAD THICKNESS ALONG WITH THEIR GEOGRID PRODUCTS.
- REFER TO 'SITE CONSTRAINTS PLAN C01' FOR FULL SITE INFORMATION.
- ACCESS TRACK SURFACE AREA = 475.3m²
- TYPE 1 FILL AND 6F5 TO BE PRODUCED ONSITE USING PREVIOUSLY EXCAVATED MATERIAL.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE ACCESS TRACK DESIGN CALCULATION:
B10237-123532-XX-XX-CA-CA-TC0134.

REFERENCE DRAWINGS:

- B10237-123532-ZZ-XX-DR-ZA-S00072
- SITE CONSTRAINTS PLAN
B10237-123532-XX-XX-DR-CC-GB0118
- SURFACE WATER DRAINAGE GENERAL ARRANGEMENT

LEGEND:

PROPOSED TRACK EXTENSION

EXISTING BURIED LV CABLES

EXISTING ABANDONED GAS MAINS

EXISTING BT AND OVERHEAD CABLES

EXISTING INLET, DISTRIBUTION AND BYPASS MAINS

EXISTING WASHOUT MAIN

EXISTING CONCRETE PIPE

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

IN ADDITION TO THE HAZARDS / RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING:

CONSTRUCTION & COMMISSIONING:

- B6** ELECTRICAL SERVICE STRIKES
C3 SERVICES STRIKE

MAINTENANCE / OPERATION:

NONE OF NOTE TO A COMPETENT CONTRACTOR

DECOMMISSIONING / DEMOLITION:

NONE OF NOTE TO A COMPETENT CONTRACTOR

REFER TO THE DHEMR / IMS SUMMARY FOR FURTHER DETAILS. IT IS ASSUMED THAT ALL THE WORKS ON THIS DRAWING WILL BE CARRIED OUT BY A COMPETENT CONTRACTOR WHO HAS CARRIED OUT A COMPREHENSIVE RISK ASSESSMENT.

C02	18.10.21	BSW	FOR CONSTRUCTION	RE	RE	19.05.20
C01	08.10.20	BSW	FOR CONSTRUCTION	AA	MT	15.12.20
Rev.	Date.	BIM.	Description.	Chk.	App.	Iss Date.



Project Name: PENGARNDDU SERVICE RESERVOIR

Drawing Title: ACCESS TRACK EXTENSION GENERAL ARRANGEMENT

Suitability: FOR CONSTRUCTION
Suitability Code: A

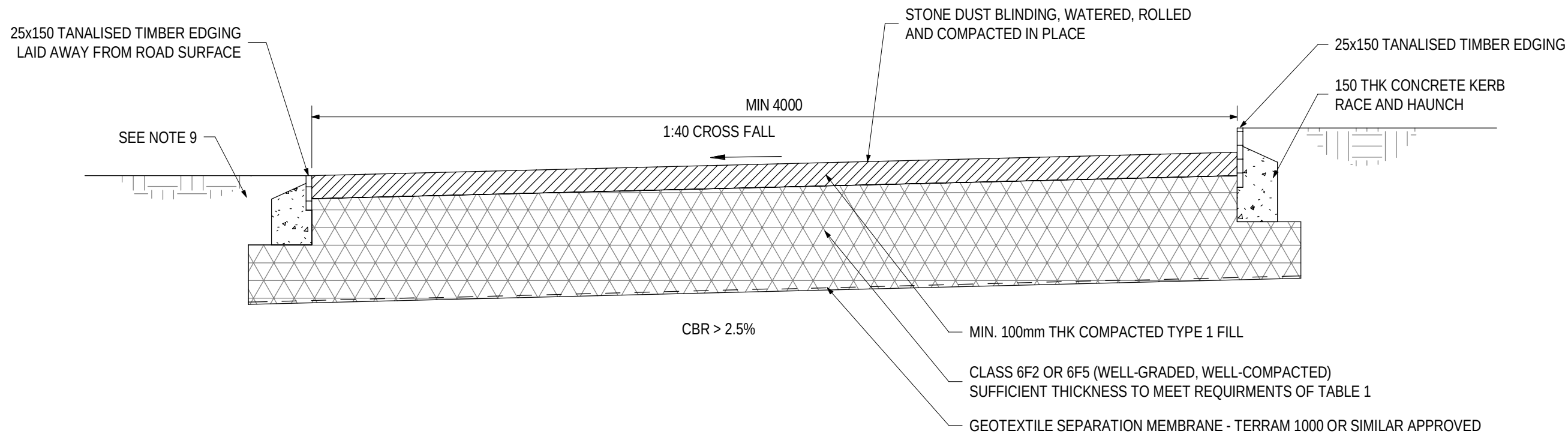
Originator: BSW
Designer: AA
Date: 08.10.20

Internal Project Number: IS44
Scale: As indicated @ A1
Rev: C02

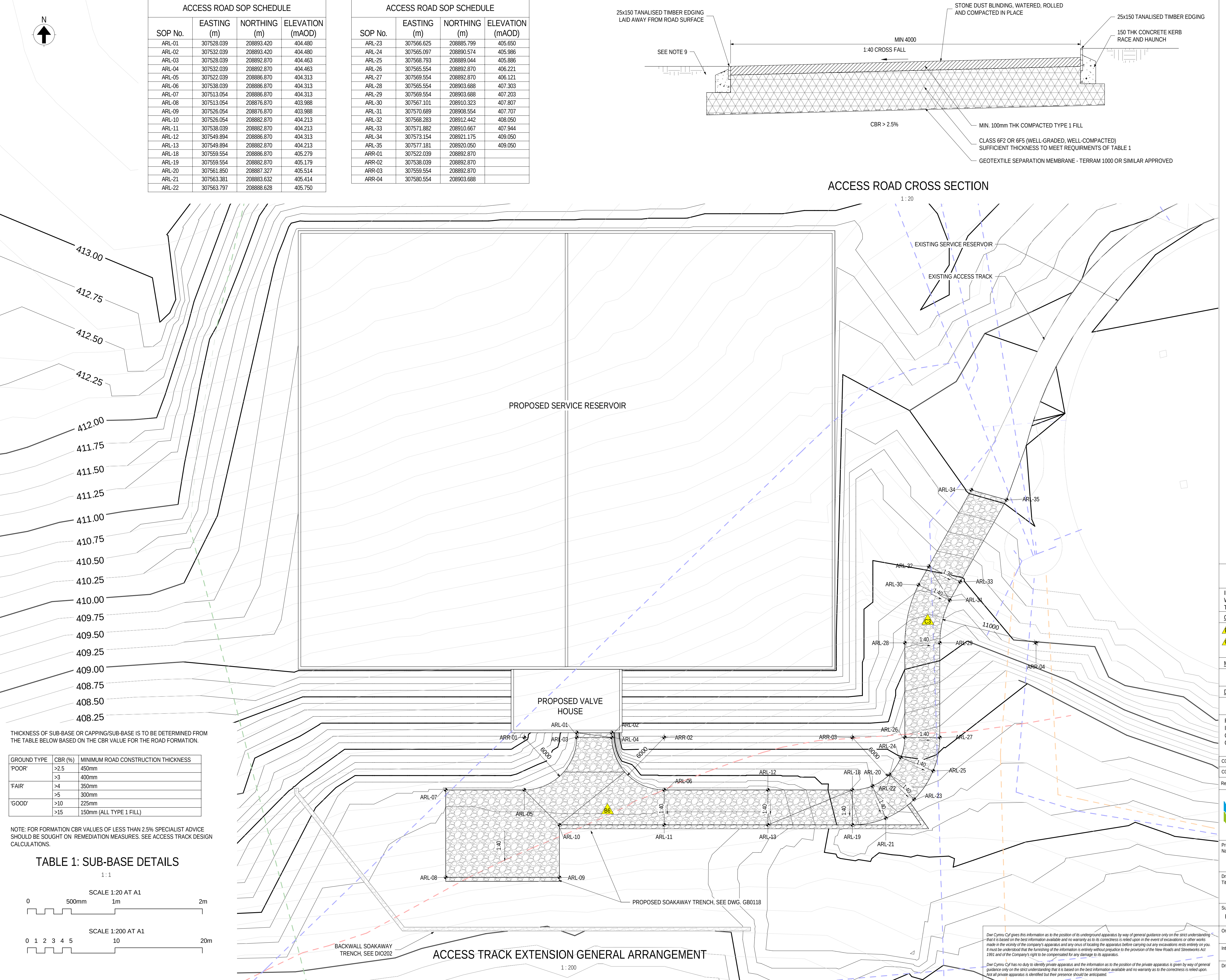
Drawing Number: B10237-123532-XX-XX-DR-CE-GB0119
MMB
WEST MACDONALD
REINLEY

ACCESS ROAD SOP SCHEDULE			
SOP No.	EASTING (m)	NORTHING (m)	ELEVATION (mAOD)
ARL-01	307528.039	208893.420	404.480
ARL-02	307532.039	208893.420	404.480
ARL-03	307528.039	208892.870	404.463
ARL-04	307532.039	208892.870	404.463
ARL-05	307522.039	208886.870	404.313
ARL-06	307538.039	208886.870	404.313
ARL-07	307513.054	208886.870	404.313
ARL-08	307513.054	208876.870	403.988
ARL-09	307526.054	208876.870	403.988
ARL-10	307526.054	208882.870	404.213
ARL-11	307538.039	208882.870	404.213
ARL-12	307549.894	208886.870	404.313
ARL-13	307549.894	208882.870	404.213
ARL-18	307559.554	208886.870	405.279
ARL-19	307559.554	208882.870	405.179
ARL-20	307561.850	208887.327	405.514
ARL-21	307563.381	208883.632	405.414
ARL-22	307563.797	208888.628	405.750

ACCESS ROAD SOP SCHEDULE			
SOP No.	EASTING (m)	NORTHING (m)	ELEVATION (mAOD)
ARL-23	307566.625	208885.799	405.650
ARL-24	307565.097	208890.574	405.986
ARL-25	307568.793	208889.044	405.886
ARL-26	307565.554	208892.870	406.221
ARL-27	307569.554	208892.870	406.121
ARL-28	307565.554	208903.688	407.303
ARL-29	307569.554	208903.688	407.203
ARL-30	307567.101	208910.323	407.807
ARL-31	307570.689	208908.554	407.707
ARL-32	307568.283	208912.442	408.050
ARL-33	307571.882	208910.667	407.944
ARL-34	307573.154	208921.175	409.050
ARL-35	307577.181	208920.050	409.050
ARR-01	307522.039	208892.870	
ARR-02	307538.039	208892.870	
ARR-03	307559.554	208892.870	
ARR-04	307580.554	208903.688	



ACCESS ROAD CROSS SECTION



THICKNESS OF SUB-BASE OR CAPPING/SUB-BASE IS TO BE DETERMINED FROM THE TABLE BELOW BASED ON THE CBR VALUE FOR THE ROAD FORMATION.

GROUND TYPE	CBR (%)	MINIMUM ROAD CONSTRUCTION THICKNESS
'POOR'	>2.5	450mm
	>3	400mm
'FAIR'	>4	350mm
	>5	300mm
'GOOD'	>10	225mm
	>15	150mm (ALL TYPE 1 FILL)

NOTE: FOR FORMATION CBR VALUES OF LESS THAN 2.5% SPECIALIST ADVICE SHOULD BE SOUGHT ON REMEDIATION MEASURES. SEE ACCESS TRACK DESIGN CALCULATIONS.

TABLE 1: SUB-BASE DETAILS

