KEY FOR UNDERGROUND SERVICES

Foul Water Drain
Foul Water 300ø and above
Surface Water Drain
Surface Water Drain 300ø and above
Combined Water Drain
Combined Water Drain 300ø and above
End of trace — EOT
Electric cables — E
HV cables — HV
Gas — GAS
Water — W
Telephone — BT
Catv — CATV
CCTV — CCTV
Comms — COM
Fibre Optics — FO
Pipe — PIPE
Vents — V
Fuel — F
Offsets — O
Vapour Recovery — VR
Gauge Lines — G
Unidentified GPR — U-GPR
Unidentified EML — U-EMI
Taken From Records — E-TFR
Assumed Routes — GAS-AR
Empty Ducts — ED
Earth Rod — ER
Rising Main — RM
Overhead — O/H
Heating Pipes — HTP
Traffic Signals — TS
Multi User — MU
Trench Scar
Service Duct

Where chamber extents are significantly greater than the cover size, their approximate extents are shown thus;

ABBREVIATION KEY

AR assumed route
BD backdrop
BO boundary
CP cable pit
CL cover level
CD down pipe
DOR down river
EBD external back drop
END end of trace
EG existing ground
FH fire hydrant
FL flooded
G gully
GV gas valve
HOR high of run
HL high level
IC inspection chamber
IBD internal back drop
IL invert level
LH lamp hole
PL pit level
PR pipe riser
RWG rainwater pipe
RWP rainwater pipe
SIL silted
SL silt level
SV stop valve
SWP surface water pipe
TP trapped gully
TFR taken from records
TP telegraph pole
UDO unable to determine outfall
UTL unable to lift
UTS unable to survey
UT unable to trace
WC water closet
WL water level
WM water meter
WO wash out valve

UTILITY SURVEY NOTES

ELECTROMAGNETIC AND/OR GROUND PENETRATING RADAR TECHNIQUES HAVE BEEN USED TO LOCATE AND MAP UNDERGROUND UTILITIES AND FEATURES ON THIS DRAWING. ALL WORK MADE EVERY ENDEAVOUR TO MAKE SURE THE INFORMATION SHOWN IS ACCURATE AND COMPLETE. HOWEVER, THE NATURE OF THE METHODS FOR LOCATING BURIED SERVICES AND OTHER SURVEYS ARE NOT INFALLIBLE AND SHOULD THE LOCATION OR DEPTH OF SERVICES/FEATURES BE OF PARTICULARLY IMPORTANCE TO A PROPOSED SCHEME IT IS STRONGLY ADVISED THAT TRIAL PITS ARE EXCAVATED PRIOR TO ANY DESIGN BEING FINALISED.

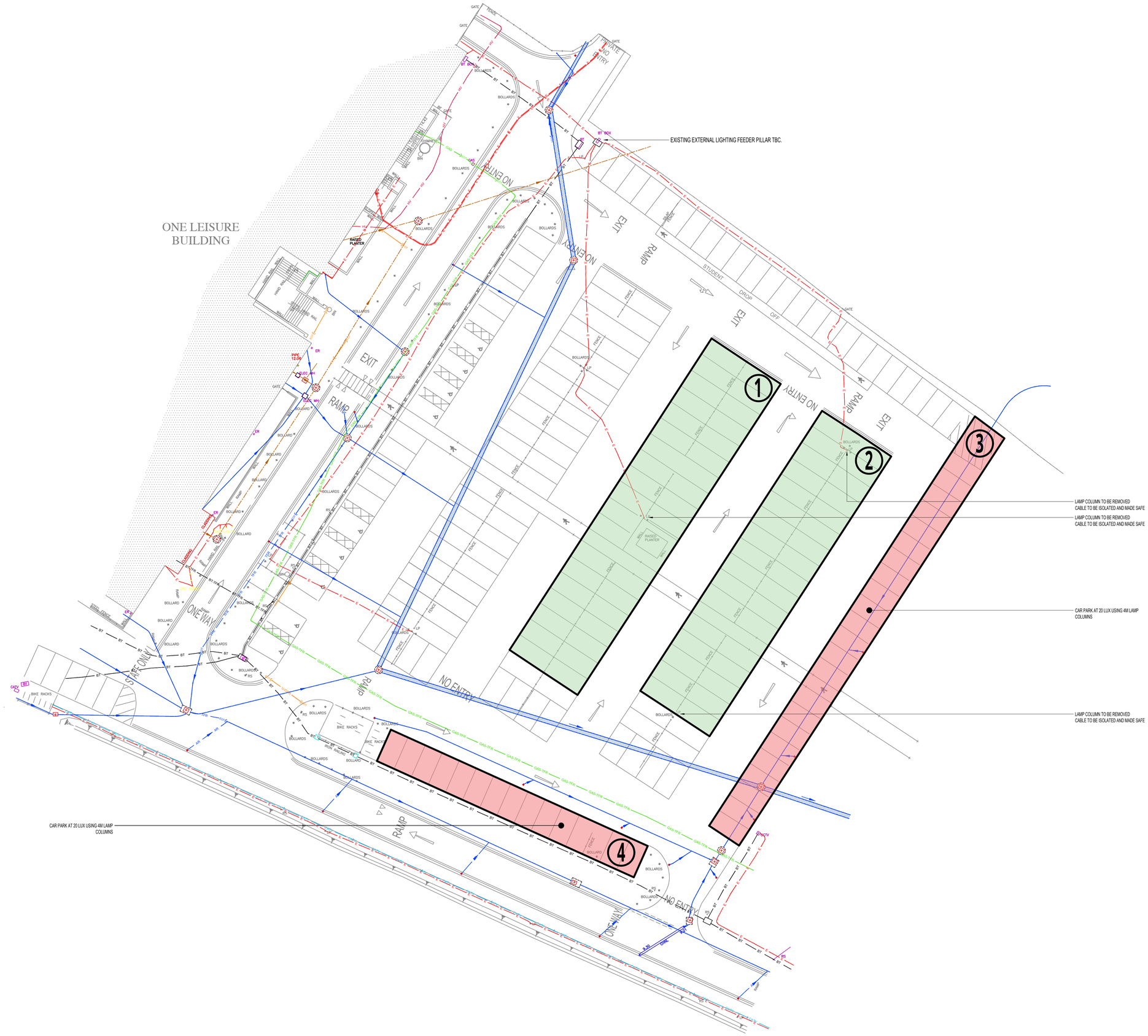
ALL HAVE USED ALL RECORD DRAWINGS THAT WERE AVAILABLE TO US BY THE CLIENT OR BY THE STATUTORY UTILITY PROVIDERS AT THE TIME OF THE SURVEY, ANY INFORMATION TAKEN FROM THESE DRAWINGS (IE PIPE SIZES, MATERIAL) IS NOT GUARANTEED. SERVICES LOCATED FROM RECORD DRAWINGS WILL BE SHOWN AND ANNOTATED AS TAKEN FROM RECORDS (TFR). HISTORIC RECORD INFORMATION IS OFTEN INCOMPLETE/INACCURATE AND CANNOT BE RELIED UPON.

A SINGLE LINE INDICATING A UTILITY MAY INDICATE THE PRESENCE OF MULTIPLE SERVICES WITHIN CLOSE PROXIMITY TO EACH OTHER, WHERE A SINGLE LINE TYPE IS SHOWN WE RECOMMEND HAND DIGGING WITHIN 0.5m, TO EXPOSE HIDDEN SERVICES.

WHERE DUCTED, DEPTH INFORMATION OF UNDERGROUND SERVICES/FEATURES IS STATED, DEPTHS ARE GENERALLY WITHIN +/- 10% ACCURATE, BUT CANNOT BE GUARANTEED. ANY DEPTHS SHOWN ARE USUALLY TO THE TOP OF THE SERVICE/FEATURE. GRAVITY SEWERS AND DRAINS ARE USUALLY TO INVERT (DRAW OF DRAINAGE CHANNELS) UNLESS OTHERWISE STATED.

AT ALL TIMES USE SUITABLE CAT AND GENSYS CALIBRATED EQUIPMENT TO PERFORM OUR SURVEYS. WHILST EVERY CARE IS TAKEN TO ENSURE THE ACCURACY OF OUR SURVEYS, WE CANNOT BE GUARANTEED AND WE CANNOT BE HELD RESPONSIBLE FOR ANY INACCURACIES BEYOND THOSE THAT COULD BE REASONABLY EXPECTED BY A COMPETENT SURVEYOR.

CONTRACTORS UTILISING OUR DRAWINGS FOR INTRUSIVE WORK SHOULD TAKE ALL REASONABLE MEASURES TO WORK SAFELY IN ACCORDANCE WITH HSG47 GUIDELINES "AVOIDING DANGER FROM UNDERGROUND SERVICES".



© 2023 COUCH PERRY WILKES
All scaled dimensions taken from this drawing are to be verified on site

HEALTH AND SAFETY INFORMATION

Standards hazards and risks may not necessarily be identified on this drawing. The caution symbols that are identified, but not limited to, related to specific hazards and risks associated with this type of project.

Reference should be made to the DRA for further details.

DRA Ref No.	Description
<>	<Insert Description>

It is assumed that all works shall be undertaken by a competent contractor working, where appropriate, to an approved method statement.

LEGEND

PV LOCATIONS (1 & 2) - CAR PARK SPACES TO BE SUPPLIED WITH LIGHTING TO 20 LUX UNDER CANOPY

CAR PARK SPACES (3 & 4) - TO BE SUPPLIED WITH LIGHTING TO 20 LUX FROM 4M LAMP COLUMNS

NOTES

1. CONTRACTOR SHALL ALLOW TO VERIFY ALL EXISTING EXTERNAL LIGHTING CIRCUITS & CABLING ON SITE.
2. ALL COLUMNS AND EXISTING BELOW GROUND LV CABLES TO BE STRIPPED SHALL BE ISOLATED AND MADE SAFE PRIOR TO WORKS BEING UNDERTAKEN.
3. CONTRACTOR TO ADAPT EXISTING CAR PARK CIRCUITS AND MAKE SAFE AS NECESSARY.
4. NEW LIGHTING CIRCUITS TO BE WIRED TO UNDER-CANOPY LIGHTING AND NEW COLUMNS. WIRING SHALL BE WIRED TO EXISTING EXTERNAL LIGHTING DISTRIBUTION BOARD.

REV	DATE	DESCRIPTION	BY	VE
P01	26.07.24	STAGE 3 ISSUE	TA	MB
P01.01	11.07.24	ISSUED FOR REVIEW AND COMMENT	TA	MB

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RIBA Stage
STAGE 3

Status
PRELIMINARY

Client
VARSITY CONSULTING

Project
ONE LEISURE CENTRE

Drawing Title
PROPOSED PV & LIGHTING WORKS LAYOUT

Scale (A1)	Date	By	Ve
1:250	JULY '24	TA	MB

Proj ID	Originator	Functional	Spatial	Form	Discipline	Number	Suitability	Revision
240544	CPW	ZZ	ZZ	DR	E	310001	S4	P01

240544-CPW-ZZ-ZZ-DR-E-310001 S4 P01

CPW Project No. 240544

Linked Files