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
BKG	backdrop
CP	cable pit
CL	cover level
DD	down pipe
DDP	down pipe
EBD	external back drop
END	end of trace
EOT	end of trace
FH	fire hydrant
FL	flooded
G	gully
GV	gas valve
HOR	horse of run
HL	high level
IC	inspection chamber
IBD	internal back drop
IL	invert level
MH	manhole
PL	pit level
PR	pipe riser
RWP	rainwater pipe
RWP	rainwater pipe
SIL	silted
SL	silt level
SV	stop valve
SVP	soil vent pipe
TP	trapped soil
TFR	taken from records
TP	telegraph pole
UDO	unable to determine outfall
UTL	unable to lift
UTL	unable to lift
UTS	unable to survey
UT	unable to trace
WC	water closet
WP	water pipe
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 CARE HAVE BEEN EXERCISED TO MAKE SURE THE INFORMATION SHOWN IS AS ACCURATE AS POSSIBLE. HOWEVER IT MUST BE NOTED THAT THE INFORMATION CONTAINED IN THESE 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 TO CONFIRM THE SITUATION.

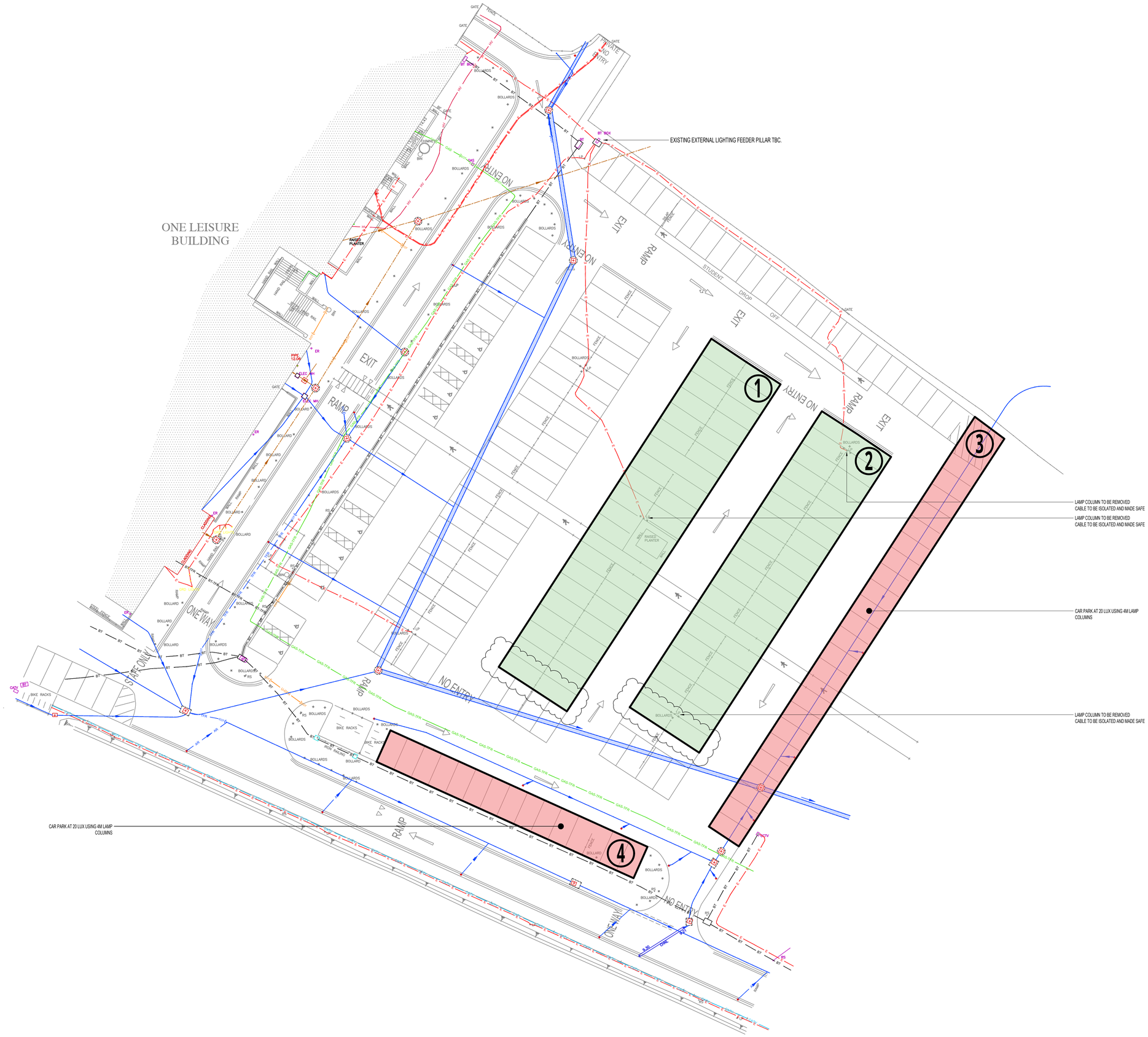
AGL HAVE USED ALL RECORD DRAWINGS THAT WERE AVAILABLE TO US BY THE CLIENT OR BY THE STATUTORY UTILITY PROVIDERS AT THE TIME OF THE SURVEY. ANY INFORMATION TAKEN FROM THESE DRAWINGS (IE PIPE SIZES, MATERIAL) IS NOT GUARANTEED. SERVICES LOCATED FROM RECORD DRAWINGS WILL BE SHOWN AND ANNOTATED AS TAKEN 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 GUESTED, DEPTH INFORMATION OF UNDERGROUND SERVICES/FEATURES IS STATED, DEPTHS ARE GENERALLY WITHIN +/- 15% 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 (DRAIN OF SPHERICAL CHANNEL) UNLESS OTHERWISE STATED.

AT ALL TIMES USE SKILLED STAFF AND MODERN CALIBRATED EQUIPMENT TO PERFORM OUR SURVEYS. WHILST WE CARRY OUT OUR SURVEYS TO THE HIGHEST STANDARDS WE CAN, 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
P02	16.12.24	MINOR ADJUSTMENTS TO CANOPY	TA	MB
P01	29.07.24	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	P02

240544-CPW-ZZ-ZZ-DR-E-310001 S4 P02

CPW Project No. 240544

Linked Files