LEGEND:



HYDRAULIC SERVICES PROPOSED INTERNAL ALTERATIONS TO EXISTING BUILDING

WERRINGTON DOWNS NEIGHBOURHOOD CENTRE

DRAWING REGISTER				
DRAWING NO.	DRAWING TITLE			
H01	COVER			
H02	HYDRAULIC SERVICES PLAN			

ARREVIATIONS:

LIQUEFIED PETROLEUM GAS

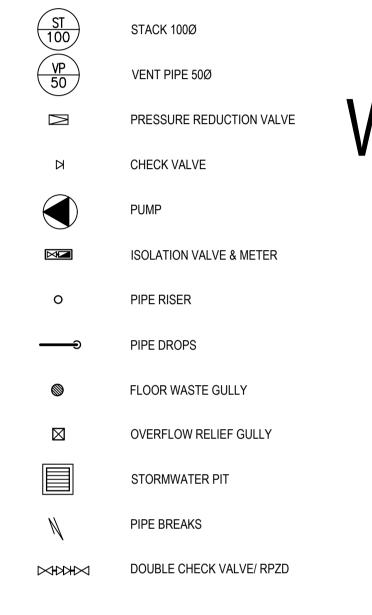
NON POTABLE DROPPER

NON POTABLE

ADDREVIATIONS.					
A/C	AIR CONDITIONING	NPR	NON POTABLE RISER		
AG	AGRICULTURAL DRAINAGE	O/F	OVERFLOW		
ВО	BALCONY OUTLET	ORG	OVERFLOW RELIEF GULLY		
В	BASIN	PBD	PLANTER BOX DRAIN		
BTH	BATH	PRV	PRESSURE REDUCTION VALVE		
CV	CHECK VALVE	RL	REDUCED LEVEL		
CW	COLD WATER	RO	ROOF OUTLET		
CWD	COLD WATER DROPPER	RPZD	REDUCED PRESSURE ZONE DEVICE		
CWR	COLD WATER RISER	RV	RELIEF VENT		
CWM	COLD WATER MAIN	RW	RAINWATER		
DG	DISCONNECTOR GULLY	RWD	RAINWATER DROPPER		
DP	DOWN PIPE	RWH	RAINWATER HEAD		
DPS	DOWNPIPE & SPREADER	RWO	RAINWATER OUTLET		
DT	DISCONNECTOR TRAP	RWR	RAINWATER RISER		
DW	DISHWASHER	S	SEWER		
EPD	ELEVATED PIPE DRAIN	SHR	SHOWER		
FFL	FINISHED FLOOR LEVEL	SHR/BTH	SHOWER/BATH		
FSR	FIRE SERVICE RISER	SK	SINK		
FSD	FIRE SERVICE DROPPER	SL	SURFACE LEVEL		
FTD	FIRE TEST DRAIN	SMH	SEWER MANHOLE		
FHR	FIRE HOSE REEL	SRM	SEWER RISING MAIN		
FU	FIXTURE UNIT	ST	STACK		
FW	FLOOR WASTE	S/T	SAFETRAY		
FWG	FLOOR WASTE GULLY	SV	STOP VALVE		
GS	GAS SERVICE	SW	STORMWATER		
GSD	GAS SERVICE DROPPER	SWIC	STORMWATER INSPECTION CHAMBE		
GSR	GAS SERVICE RISER	SWP	STORMWATER PIT		
GV	GATE VALVE	SWRM	STORMWATER RISING MAIN		
HT	HOSE TAP	T	LAUNDRY TUB		
HW	HOT WATER	TD	TUNDISH		
HWD	HOT WATER DROPPER	TGO	TRENCH GRATE OUTLET		
HWR	HOT WATER RISER	TMV	THERMOSTATIC MIXING VALVE		
HWU	HOT WATER UNIT	TPRV	TEMPERATURE PRESSURE RELIEF V		
IL	INVERT LEVEL	TV	TEMPERING VALVE		
Ю	INSPECTION OPENING	uPVC	UNPLASTICISED POLY VINYL CHLORI		
IOS	INSPECTION OPENING TO SURFACE	UR	URINAL		
IR	IRRIGATION RETICULATION	VB	VANITY BASIN		
IV	ISOLATION VALVE	VP	VENT PIPE		
JU	JUMP UP	WC	WATER CLOSET		

WASHING MACHINE

WARM WATER RISER



WORKS TO EXISTING BUILDING

VARSITY LAKES QLD 4227 QBCC CONTRACTOR NO. 1169842 QBCC SUPERVISOR NO. 1150888 PHONE. 07 5655 3324

| SITE PLAN 1:500 @ A1

COMPLETE URBAN

COMPLETE URBAN

DESIGNED | SR SCALE AS SHOWN CHECKED SR DATE 07.08.19 SHEET SIZE A1

PROPOSED ALTERATIONS TO WERRINGTON DOWNS CENTRE **BROOKFIELD AVENUE.**

LEGEND, NOTES & SITE PLAN

JOB NO. SHEET NO. 1 OF 2 DRAWING NO. REV. B

WERRINGTON DOWNS NSW 2747

Version: 1, Version Date: 16/01/2020

2.ALL SANITARY PLUMBING OR SUSPENDED DRAINAGE SHALL BE DWV CLASS uPVC PIPE AND FITTINGD TO AS1260

1. ALL SANITARY DRAINAGE BELOW GROUND SHALL BE DWV CLASS uPVC PIPE AND FITTINGS MIN 100Ø UNLESS

WITH SOLVENT WELDED JOINTS AND FIRE STOP COLLARS. (ALTERNATE TYPE "D" SOLID DRAWN COPPER). 3. PROVIDE COMPACT 5mm CRUSHED BLUE METAL BEDDING 100mm AROUND ALL INGROUND PIPEWORK

SHOWN OTHERWISE TO AS1260 WITH SOLVENT WELDED JOINTS AND LAID AT MIN 1.65% GRADE.

4. DRAINAGE GRATES/LIDS LOCATED IN TRAFFICABLE AREAS SHALL BE 'D' CLASS & 'A' CLASS IN LANDSCAPED AREAS 5. MAKE GOOD ANY DAMAGE TO OTHER SERVICES AND TO FLOORS, WALLS, CEILINGS, ROADWAYS, FOOTINGS

6. ALL SUSPENDED SANITARY DRAINAGE SHALL BE DWV CLASS uPVC PIPE AND FITTINGS TO AS1254 WITH SOLVENT WELDED JOINTS AND FIRE STOP COLLARS (ALTERNATIVE TYPE "D" COPPER TUBE AND FITTINGS TO AS1432 WITH SILVER BRAZED JOINTS OR DUCTILE IRON FITTINGS TO AS1631 WITH PUSH IN RUBBER RING JOINTS). 7.TRADEWASTE DRAINAGE ABOVE AND BELOW GROUND SHALL BE EQUAL TO "COESTILEN" HIGH DENSITY POLYETHYLENE 8. ALL STORMWATER DRAINAGE BELOW GROUND SHALL BE SW CLASS uPVC PIPE AND FITTINGS TO AS1254 WITH

EXISTING BUILDINGS, LANDSCAPING AND SURFACES GENERALLY AND ANY OTHER WORK THAT MAY BE DISTURBED OR

9. ALL DOWNPIPES (DP) SHALL BE DWV CLASS uPVC PIPE AND FITTINGS TO AS1260 WITH SOLVENT WELDED JOINTS TO SIZES INDICATED ON DRAWINGS.

10. ALL DOWNPIPES SHALL BE MIN. 100Ø OR 100mm X 80mm. U.N.O.

GENERAL NOTES:

INJURED BY CARTAGE OR OTHER OPERATIONS IN CARRYING OUT THE WORK.

11. FLOW RESTRICTING DEVICES WILL BE PROVIDED TO ALL OUTLETS, EQUAL TO JEMFLOW SYSTEMS. FLOW RATES AS NOMINATED BELOW IN ACCORDANCE WITH AS3500

MIN. 100Ø AND LAID AT MIN. 1% GRADE.

12. ALL FIRE SERVICE PIPEWORK ABOVE GROUND SHALL BE GALVANISED STEEL PIPING TO AS

RETARDED CLOSED CELL POLYETHYLENE FOAM HAVING A DENSITY OF NOT LESS THAN 50kg PER CUBIC METER. ALI

15. ALL HOT WATER SERVICE PIPEWORK SHALL BE TYPE "B" SOLID DRAWN TUBE POLYLAG/KEMLAG OR EQUAL TO AS1432 WITH SLIPPED AND SILVER BRAZED JOINTS.

16. PROVIDE SIGNAGE OVER ALL "NON POTABLE" OUTLETS.

17. ALL HOSE COCKS (HC) INSTALLED SHALL BE FITTED WITH A YORKSHIRE BACKSTOP VACUUM BREAK VALVE.MIXING

18. WHERE PIPEWORK PENETRATES FIRE RATED WALLS, FLOORS OR CEILINGS THE CONTRACTOR SHALL ENSURE THE FIRE RATING OF THE STRUCTURE IS MAINTAINED AT THE PENETRATION OF THE REQUIRED FIRE RATED STANDARD.

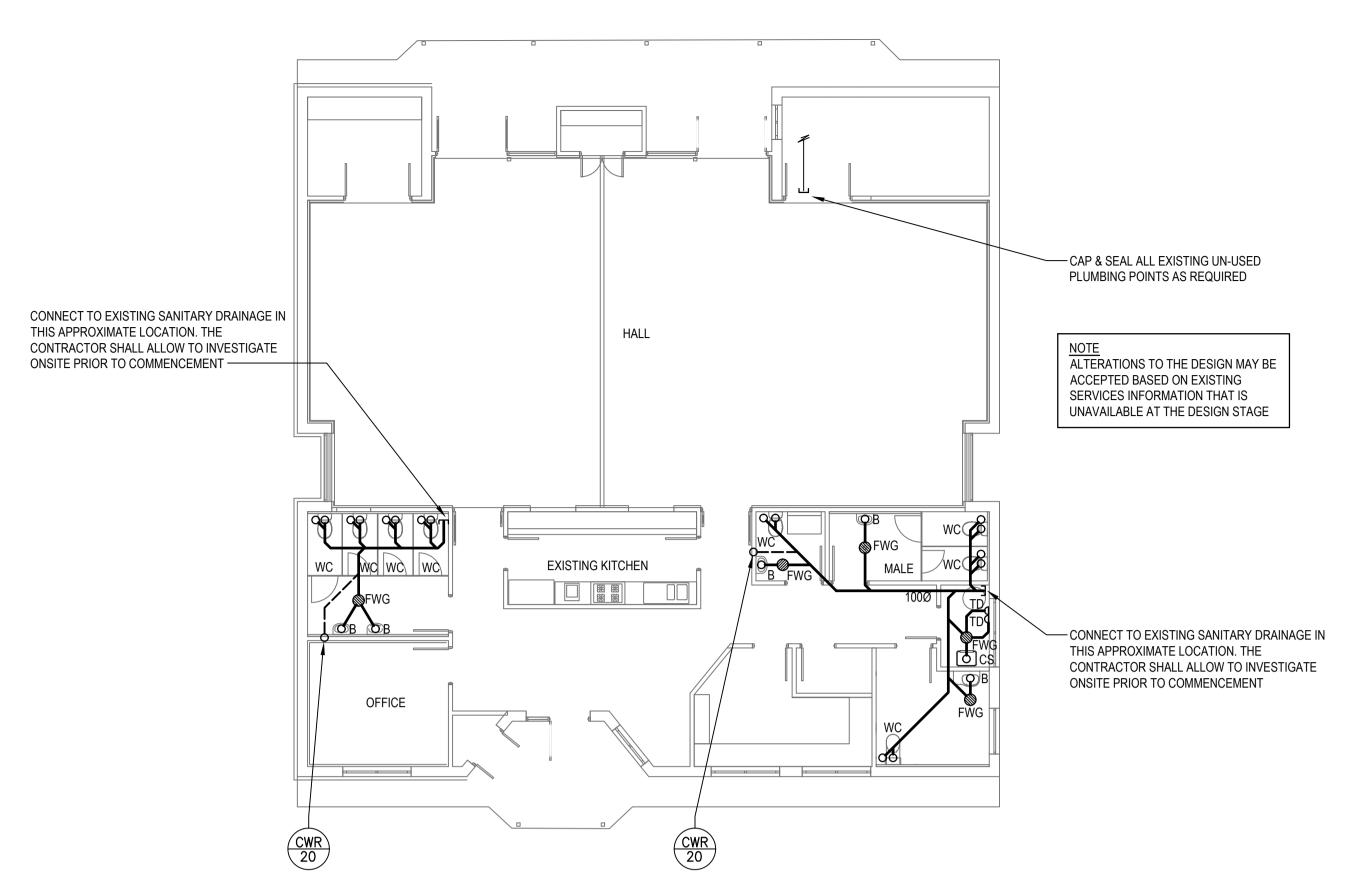
19. ALL HYDRAULIC SERVICES SHALL BE INSTALLED IN ACCORDANCE WITH AS3500, QLD PLUMBING AND DRAINAGE ACT 2002 AND QLD STANDARD PLUMBING AND DRAINAGE REGULATIONS 2003.

20. EXISTING SERVICES INDICATED IN THESE DOCUMENTS ARE INDICATIVE ONLY, ALLOW TO EXCAVATE AND EXPOSE EXISTING SERVICES TO VERIFY EXACT LOCATION AND LEVELS OF SERVICES PRIOR TO COMMENCEMENT OF ANY

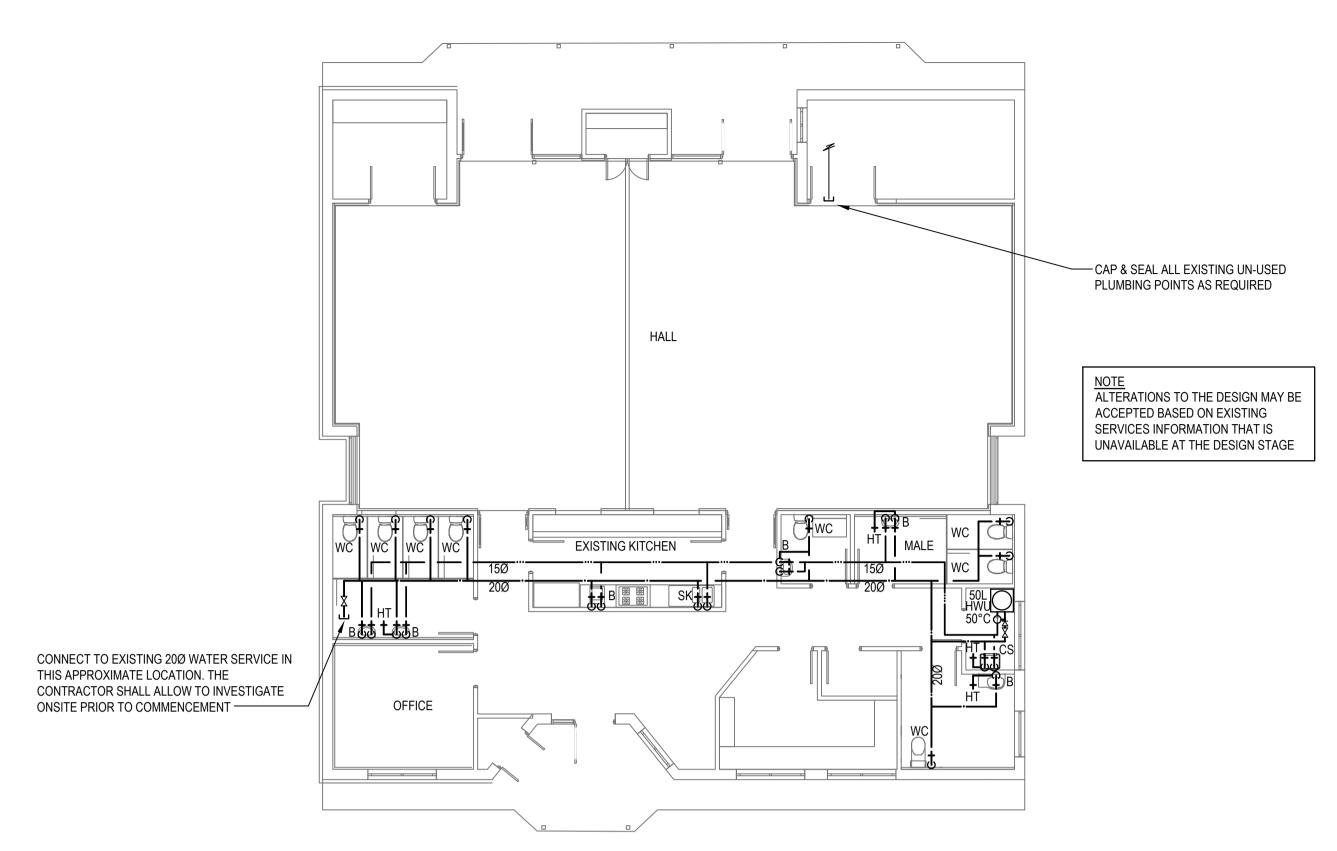
21. CONTRACTOR TO ALLOW FOR CUTTING OF EXISTING CONCRETE, EXCAVATION, BACKFILLING AND MAKING GOOD EXSITING SLAB TO STRUCTURAL ENGINEERS REQUIREMENTS.

22. ALL SPOON DRAIN OUTLETS, STORMWATER INSPECTION CHAMBERS, RISING MAINS, PUMP WELLS AND ALL PIPE INLETS AND OUTLETS ARE TO BE MADE WATER TIGHT INCLUDING AT THE PENETRATION OF THE BASEMENT FLOOR SLAB USING PUDDLE FLANGES, PROPRIETY WATER STOPS CAST-IN-SITU AND OR TANKING.

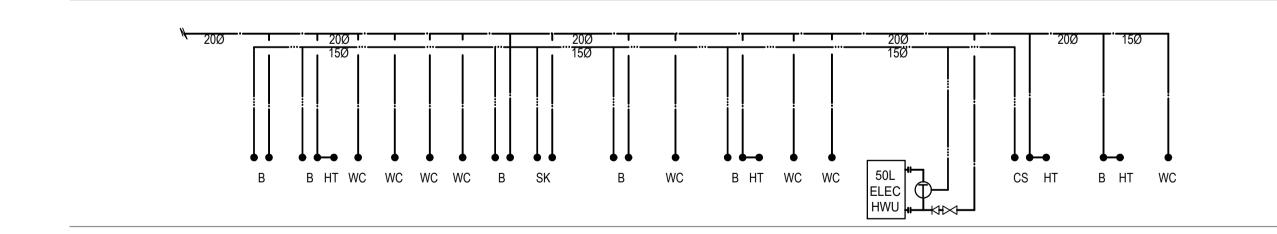
23. ALL PIPES SHALL BE ADEQUATELY SUPPORTED AND SECURED IN AN APPROVED MANNER. ALL COPPER SHALL NOT COME IN CONTACT WITH ANY OTHER SERVICE PIPES OR PART OF THE BUILDING STRUCTURE UNLESS INSULATED WITH 4mm THICK uPVC LAGGING.

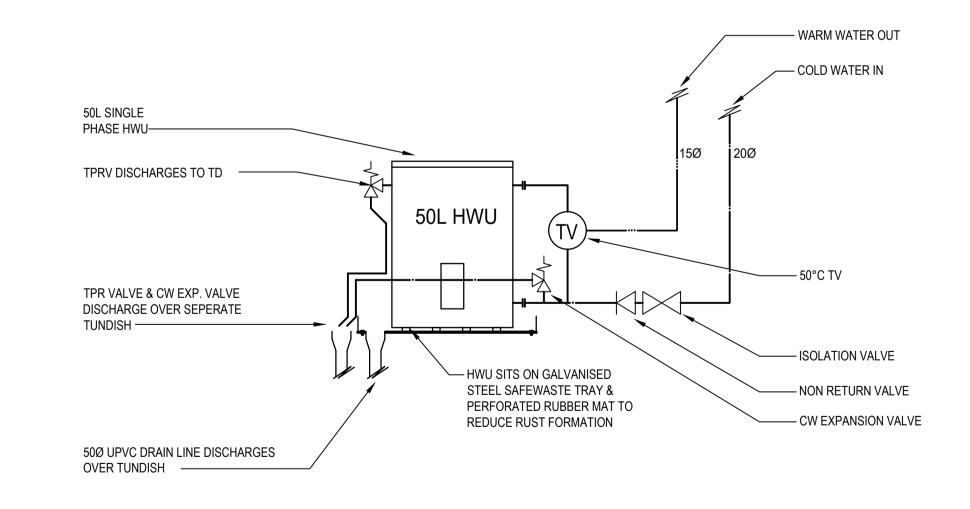


DRAINAGE SERVICES PLAN 1:100 @ A1



WATER SERVICES PLAN 1:100 @ A1





HWU DETAIL N.T.S.



"BA/TENDER" ISSUE

SHOP 12 220 VARSITY PDE VARSITY LAKES QLD 4227 PHONE. 07 5655 3324 MOBILE. 0400 881 702 WEBSITE. www.hdsolutions.net.au QBCC CONTRACTOR NO. 1169842 QBCC SUPERVISOR NO. 1150888 EMAIL. info@hdsolutions.net.au

WATER SERVICES SCHEMATIC N.T.S.

COMPLETE URBAN

COMPLETE URBAN

DRAWN BY LL DESIGNED SR

SCALE AS SHOWN CHECKED SR

DATE 07.08.19 SHEET SIZE A1

PROPOSED ALTERATIONS TO WERRINGTON DOWNS CENTRE BROOKFIELD AVENUE, WERRINGTON DOWNS NSW 2747

HYDRAULIC SERVICES PLAN JOB NO. SHEET NO.

 JOB NO.
 18197A

 SHEET NO.
 2 OF 2

 DRAWING NO.
 H02

 REV.
 B