Council Reference: SEW19/0368 - LN: 84310 PC/mp
Your Reference

TWEED SHIRE COUNCIL

Customer Service | 1300 292 872 | (02) 6670 2400

tsc@tweed.nsw.gov.au
www.tweed.nsw.gov.au

Fax (02) 6670 2429
PO Box 816
Murwillumbah NSW 2484

Please address all communications to the General Manager

ABN: 90 178 732 496

17 December 2019

Health Administration Corporation
PO Box 1060
NORTH SYDNEY NSW 2059

Dear Sir/Madam

Works on behalf of the Crown - Connect to Sewer SEW19/0368 - external drainage works for zone 1-10 - hospital CSB building, multi-story carparks and associated speciality medical buildings at Lot 11 DP 1246853; No. 771 Cudgen Road CUDGEN

Issued: 17 December 2019

Please be advised that the Council of Tweed as the Authorised Plumbing Regulator for the Tweed Shire has inspected the hydraulic plumbing and drainage design submitted for the above development and raises no objection to the proposed works subject to the following advisory notes.

1. No plumbing and drainage works are to be commenced on the site until a Development Consent has been granted for the works.
2. A. A notice of plumbing and drainage work is to be submitted and a permit is to be obtained from Council prior to commencement of any plumbing and drainage work.

   B. The whole of the plumbing and drainage work is to be completed in accordance with the requirements of the Plumbing Code of Australia and AS/NZS 3500.
3. Any work on plumbing or drainage that may impact upon the structural integrity of the building is only to be carried out after consultation with a Structural Engineer or the Principal Certifying Authority for the project.
4. Council is to be given 24 hours notice for any of the following inspections prior to the next stage of construction:

   a. internal drainage, prior to slab preparation.

   b. water plumbing rough in, prior to the erection of brick work or any wall sheeting.

   c. external drainage prior to backfilling.

   d. completion of work and prior to occupation of the building.
5. Any rainwater tanks to be installed are to be connected in accordance with Council's 'Rainwater Tank' policy document and all associated pipe work is to be installed in accordance with Australian Standard AS3500.1.
6. Any drainage lines affected by the proposal are to be relocated to Council's satisfaction. Inspection of drainage works prior to covering is required.

7. Dual flush water closet suites are to be installed in accordance with Local Government Water and Sewerage and Drainage Regulations 1993.

8. Back flow prevention devices shall be installed wherever cross connection occurs or is likely to occur. The type of device shall be determined in accordance with AS 3500.1 and shall be maintained in working order and inspected for operational function at intervals not exceeding 12 months in accordance with Section 4.7.2 of this Standard.

9. The overflow relief gully is to be located clear of the building and at a level not less than 150mm below the lowest fixture within the building and 75mm above finished ground level.

10. All new hot water installations shall deliver hot water at the outlet of sanitary fixtures used primarily for personal hygiene purposes at a temperature not exceeding:-

    * 43.5^0C for childhood centres, primary and secondary schools and nursing homes or similar facilities for aged, sick or disabled persons; and

    * 50^0C in all other buildings.

    A certificate certifying compliance with the above is to be submitted to Council by the licensed plumber on completion of works.

11. Any discharge of a pollutant greater than or differing (in constitution) from domestic usage requires the submission of an application for a trade waste licence. Such application to be made prior to release of the approved building plans and/or prior to any use or occupation of the premises, whichever occurs earlier.

12. Any installation involving trade waste shall have a hose tap provided adjacent to the grease arrestor and to be fitted with a reduced pressure zone device for the purpose of back flow prevention.

13. On completion of works a Certificate of Compliance, in the prescribed form, is to be submitted to both Council and the person for whom the work was carried out.

14. On completion of any sanitary plumbing and drainage work a works as executed plan is to be completed on the prescribed form supplied by Council and a copy of such plan is to be submitted to both Council and the owner of the land or owners agent.

The reasons for the imposition of conditions are to ensure compliance with the Local Government Act and Regulations.

For further information regarding this matter please contact Council's Building and Environmental Health Unit.

Yours faithfully

cosign

Phil Clark
BUILDING SURVEYOR

S68 Local Government ACT 1993
Sewer Approval
Plumbing and Drainage Works under Pts 1 2 of AS3500 - Plumbing Drainage
SEW19/0368

TWEED SHIRE COUNCIL

TWEED VALLEY HOSPITAL DEVELOPMENT
SITE SERVICES INFRASTRUCTURE
Powell St & Florence Street, Tweed Heads NSW 2485

HYDRAULIC SERVICES

PIPING SYSTEMS	
ABBREV	DESCRIPTION
CW	COLD WATER- [ABOVE GROUND]
CW[B]	COLD WATER- [BELOW GROUND]
ROD	COLD WATER-REVERSE OSMOSIS DIALYSYS [ABOVE GROUND]
ROG	COLD WATER-REVERSE OSMOSIS GENERAL [ABOVE GROUND]
RO1	COLD WATER-REVERSE OSMOSIS TYPE 1 [ABOVE GROUND]
RO2	COLD WATER-REVERSE OSMOSIS TYPE 2 [ABOVE GROUND]
RO3	COLD WATER-REVERSE OSMOSIS TYPE 3 [ABOVE GROUND]
FHR	FIRE-FIGHTING WATER-HOSE REEL [ABOVE GROUND]
FHR[B]	FIRE-FIGHTING WATER-HOSE REEL [BELOW GROUND]
FH	FIRE-FIGHTING WATER-HYDRANT [ABOVE GROUND]
FH[B]	FIRE-FIGHTING WATER-HYDRANT [BELOW GROUND]
FS	FIRE-FIGHTING WATER-SERVICE [ABOVE GROUND]
FS[B]	FIRE-FIGHTING WATER-SERVICE [BELOW GROUND]
LPG	GAS-LIQUID PETROLEUM [ABOVE GROUND]
LPG[B]	GAS-LIQUID PETROLEUM [BELOW GROUND]
NG	GAS-NATURAL [ABOVE GROUND]
NG[B]	GAS-NATURAL [BELOW GROUND]
HW	HEATED WATER- [ABOVE GROUND]
HW[B]	HEATED WATER- [BELOW GROUND]
FLUE	HEATED WATER-FLUE [ABOVE GROUND]
HWP	HEATED WATER-PRIMARY SUPPLY [ABOVE GROUND]
HWP[B]	HEATED WATER-PRIMARY SUPPLY [BELOW GROUND]
HWR	HEATED WATER-RETURN [ABOVE GROUND]
HWR[B]	HEATED WATER-RETURN [BELOW GROUND]
WWR	HEATED WATER-RETURN WARM [ABOVE GROUND]
WW	HEATED WATER-WARM [ABOVE GROUND]
NDCW	NON-DRINKING WATER-COLD [ABOVE GROUND]
NDCW[B]	NON-DRINKING WATER-COLD [BELOW GROUND]
SOCW	NON-DRINKING WATER-COLD SOFTENED [ABOVE GROUND]
NDHW	NON-DRINKING WATER-HEATED [ABOVE GROUND]
NDHW[B]	NON-DRINKING WATER-HEATED [BELOW GROUND]
NPDWP	NON-DRINKING WATER-HEATED PRIMARY SUPPLY [ABOVE GROUND]
NDHWP[B]	NON-DRINKING WATER-HEATED PRIMARY SUPPLY [BELOW GROUND]
NDHWR	NON-DRINKING WATER-HEATED RETURN [ABOVE GROUND]
NDHWR[B]	NON-DRINKING WATER-HEATED RETURN [BELOW GROUND]
SOHW	NON-DRINKING WATER-HEATED SOFTENED [ABOVE GROUND]
NDU	NON-DRINKING WATER-UNTREATED [ABOVE GROUND]
NDU[B]	NON-DRINKING WATER-UNTREATED [BELOW GROUND]
SDPRM	SANITARY DRAINAGE-PUMP RISING MAIN [ABOVE GROUND]
SDPRM[B]	SANITARY DRAINAGE-PUMP RISING MAIN [BELOW GROUND]
SDS	SANITARY DRAINAGE-SUCTION DRAIN [ABOVE GROUND]
SDS[B]	SANITARY DRAINAGE-SUCTION DRAIN [BELOW GROUND]
SDSG	SANITARY DRAINAGE-SUCTION DRAIN GREASE [ABOVE GROUND]
SDSG[B]	SANITARY DRAINAGE-SUCTION DRAIN GREASE [BELOW GROUND]
SDV	SANITARY DRAINAGE-VENT [ABOVE GROUND]
SDV[B]	SANITARY DRAINAGE-VENT [BELOW GROUND]
SDCV	SANITARY DRAINAGE-VENT CHAMBER [ABOVE GROUND]
SDCV[B]	SANITARY DRAINAGE-VENT CHAMBER [BELOW GROUND]
SDDCV	SANITARY DRAINAGE-VENT CHAMBER DECONTAMINATION [ABOVE GROUND]
SDDCV[B]	SANITARY DRAINAGE-VENT CHAMBER DECONTAMINATION [BELOW GROUND]
SDGCV	SANITARY DRAINAGE-VENT CHAMBER GREASE [ABOVE GROUND]

PIPING SYSTEMS	
ABBREV	DESCRIPTION
SDGCV[B]	SANITARY DRAINAGE-VENT CHAMBER GREASE [BELOW GROUND]
SDHCV	SANITARY DRAINAGE-VENT CHAMBER HIGH TEMP [ABOVE GROUND]
SDHCV[B]	SANITARY DRAINAGE-VENT CHAMBER HIGH TEMP [BELOW GROUND]
SDLCV	SANITARY DRAINAGE-VENT CHAMBER LAB [ABOVE GROUND]
SDLCV[B]	SANITARY DRAINAGE-VENT CHAMBER LAB [BELOW GROUND]
SDRCV	SANITARY DRAINAGE-VENT CHAMBER RADIOACTIVE [ABOVE GROUND]
SDRCV[B]	SANITARY DRAINAGE-VENT CHAMBER RADIOACTIVE [BELOW GROUND]
SDDV	SANITARY DRAINAGE-VENT DECONTAMINATION [ABOVE GROUND]
SDDV[B]	SANITARY DRAINAGE-VENT DECONTAMINATION [BELOW GROUND]
SDGV	SANITARY DRAINAGE-VENT GREASE [ABOVE GROUND]
SDGV[B]	SANITARY DRAINAGE-VENT GREASE [BELOW GROUND]
SDHV	SANITARY DRAINAGE-VENT HIGH TEMP [ABOVE GROUND]
SDHV[B]	SANITARY DRAINAGE-VENT HIGH TEMP [BELOW GROUND]
SDLV	SANITARY DRAINAGE-VENT LAB [ABOVE GROUND]
SDLV[B]	SANITARY DRAINAGE-VENT LAB [BELOW GROUND]
SDRV	SANITARY DRAINAGE-VENT RADIOACTIVE [ABOVE GROUND]
SDRV[B]	SANITARY DRAINAGE-VENT RADIOACTIVE [BELOW GROUND]
SD	SANITARY DRAINAGE-WASTE WATER [ABOVE GROUND]
SD[B]	SANITARY DRAINAGE-WASTE WATER [BELOW GROUND]
SDD	SANITARY DRAINAGE-WASTE WATER DECONTAMINATION [ABOVE GROUND]
SDD[B]	SANITARY DRAINAGE-WASTE WATER DECONTAMINATION [BELOW GROUND]
SDG	SANITARY DRAINAGE-WASTE WATER GREASE [ABOVE GROUND]
SDG[B]	SANITARY DRAINAGE-WASTE WATER GREASE [BELOW GROUND]
SDH	SANITARY DRAINAGE-WASTE WATER HIGH TEMP [ABOVE GROUND]
SDH[B]	SANITARY DRAINAGE-WASTE WATER HIGH TEMP [BELOW GROUND]
SDL	SANITARY DRAINAGE-WASTE WATER LAB [ABOVE GROUND]
SDL[B]	SANITARY DRAINAGE-WASTE WATER LAB [BELOW GROUND]
SDM	SANITARY DRAINAGE-WASTE WATER MID TEMP [ABOVE GROUND]
SDM[B]	SANITARY DRAINAGE-WASTE WATER MID TEMP [BELOW GROUND]
SDR	SANITARY DRAINAGE-WASTE WATER RADIOACTIVE [ABOVE GROUND]
SDR[B]	SANITARY DRAINAGE-WASTE WATER RADIOACTIVE [BELOW GROUND]
SDSD	SANITARY PLUMBING-SUCTION DRAIN DECONTAMINATION [ABOVE GROUND]
SDSG	SANITARY PLUMBING-SUCTION DRAIN GREASE [ABOVE GROUND]
SPV	SANITARY PLUMBING-VENT [ABOVE GROUND]
GCRV	SANITARY PLUMBING-VENT CROSS GREASE [ABOVE GROUND]
HCRV	SANITARY PLUMBING-VENT CROSS HIGH TEMP [ABOVE GROUND]
LCRV	SANITARY PLUMBING-VENT CROSS LAB [ABOVE GROUND]
RCRV	SANITARY PLUMBING-VENT CROSS RADIOACTIVE [ABOVE GROUND]
CRV	SANITARY PLUMBING-VENT CROSS RELIEF [ABOVE GROUND]
DCRV	SANITARY PLUMBING-VENT CROSS RELIEF DECONTAMINATION [ABOVE GROUND]
SPDV	SANITARY PLUMBING-VENT DECONTAMINATION [ABOVE GROUND]
SPGV	SANITARY PLUMBING-VENT GREASE [ABOVE GROUND]
SPHV	SANITARY PLUMBING-VENT HIGH TEMP [ABOVE GROUND]
SPLV	SANITARY PLUMBING-VENT LAB [ABOVE GROUND]
PRB	SANITARY PLUMBING-VENT PRESSURE RELIEF BYPASS [ABOVE GROUND]
SPRV	SANITARY PLUMBING-VENT RADIOACTIVE [ABOVE GROUND]
RV	SANITARY PLUMBING-VENT RELIEF [ABOVE GROUND]
DRV	SANITARY PLUMBING-VENT RELIEF DECONTAMINATION [ABOVE GROUND]

PIPING SYSTEMS	
ABBREV	DESCRIPTION
GRV	SANITARY PLUMBING-VENT RELIEF GREASE [ABOVE GROUND]
HRV	SANITARY PLUMBING-VENT RELIEF HIGH TEMP [ABOVE GROUND]
LRV	SANITARY PLUMBING-VENT RELIEF LAB [ABOVE GROUND]
RRV	SANITARY PLUMBING-VENT RELIEF RADIOACTIVE [ABOVE GROUND]
SV	SANITARY PLUMBING-VENT STACK [ABOVE GROUND]
SP	SANITARY PLUMBING-WASTE WATER [ABOVE GROUND]
SPD	SANITARY PLUMBING-WASTE WATER DECONTAMINATION [ABOVE GROUND]
SPG	SANITARY PLUMBING-WASTE WATER GREASE [ABOVE GROUND]
SPH	SANITARY PLUMBING-WASTE WATER HIGH TEMP [ABOVE GROUND]
SPL	SANITARY PLUMBING-WASTE WATER LAB [ABOVE GROUND]
SPM	SANITARY PLUMBING-WASTE WATER MID TEMP [ABOVE GROUND]
SPR	SANITARY PLUMBING-WASTE WATER RADIOACTIVE [ABOVE GROUND]
DGH	SURFACE AND SUBSURFACE DRAINAGE-GRAVITY HELIPAD [ABOVE GROUND]
DGH[B]	SURFACE AND SUBSURFACE DRAINAGE-GRAVITY HELIPAD [BELOW GROUND]
DGOF	SURFACE AND SUBSURFACE DRAINAGE-GRAVITY OVERFLOW [ABOVE GROUND]
DGOF[B]	SURFACE AND SUBSURFACE DRAINAGE-GRAVITY OVERFLOW [BELOW GROUND]
DGR	SURFACE AND SUBSURFACE DRAINAGE-GRAVITY ROOF METAL DECK [ABOVE GROUND]
DP	SURFACE AND SUBSURFACE DRAINAGE-GRAVITY ROOF METAL DECK EXTERNAL DOWNPIPE [ABOVE GROUND]
DGSTW	SURFACE AND SUBSURFACE DRAINAGE-GRAVITY STORMWATER [ABOVE GROUND]
DGSTW[B]	SURFACE AND SUBSURFACE DRAINAGE-GRAVITY STORMWATER [BELOW GROUND]
DGRM	SURFACE AND SUBSURFACE DRAINAGE-GRAVITY STORMWATER PUMP RISING MAIN [ABOVE GROUND]
DGRM[B]	SURFACE AND SUBSURFACE DRAINAGE-GRAVITY STORMWATER PUMP RISING MAIN [BELOW GROUND]
DGSL[B]	SURFACE AND SUBSURFACE DRAINAGE-GRAVITY SUB-SOIL [BELOW GROUND]
DGSLRM	SURFACE AND SUBSURFACE DRAINAGE-GRAVITY SUB-SOIL PUMP RISING MAIN [ABOVE GROUND]
DGSLRM[B]	SURFACE AND SUBSURFACE DRAINAGE-GRAVITY SUB-SOIL PUMP RISING MAIN [BELOW GROUND]
DSOF	SURFACE AND SUBSURFACE DRAINAGE-SIPHONIC OVERFLOW [ABOVE GROUND]
DSOF[B]	SURFACE AND SUBSURFACE DRAINAGE-SIPHONIC OVERFLOW [BELOW GROUND]
DSR	SURFACE AND SUBSURFACE DRAINAGE-SIPHONIC ROOF METAL DECK [ABOVE GROUND]
DSSTW	SURFACE AND SUBSURFACE DRAINAGE-SIPHONIC STORMWATER [ABOVE GROUND]
DSSTW[B]	SURFACE AND SUBSURFACE DRAINAGE-SIPHONIC STORMWATER [BELOW GROUND]
uCW[B]	UTILITY-COLD WATER [BELOW GROUND]
uNG[B]	UTILITY-NATURAL GAS [BELOW GROUND]
uSD[B]	UTILITY-SANITARY DRAINAGE [BELOW GROUND]

SYMBOLS

PIPELINES

- PIPE RISING UP
- SERVICE (HEX / Size)
- SIZE
- PIPE DROPPING DOWN
- GREASE ARRESTOR VENT PIPE
- GREASE SUCTION
- GREASE WASTE
- GREASE WASTE RELIEF VENT
- GREASE WASTE VENT PIPE
- SPRINKLERS TEST DRAIN
- SIPHONIC DRAINAGE PIPE
- STORMWATER DRAINAGE
- SUB-SOIL DRAINAGE
- SUB-SOIL RISING MAIN
- SEWER DRAINAGE
- SEWER RISING MAIN
- SEWER DRAINAGE STACK
- RELIEF VENT
- STACK VENT
- SEWER CHAMBER VENT
- TRADE WASTE
- TRADE WASTE RELIEF VENT
- TRADE WASTE VENT PIPE
- VENT PIPE
- OVERFLOW
- DIESEL EXHAUST
- FLUE
- NATURAL GAS
- FIRE HYDRANT SERVICE
- FIRE HOSE REEL SERVICE
- POTABLE COLD WATER RISING MAIN
- POTABLE COLD WATER SERVICE
- POTABLE HOT WATER SERVICE
- POTABLE HOT WATER FLOW
- POTABLE HOT WATER RETURN
- POTABLE WARM WATER RETURN
- RECYCLED COLD WATER
- IRRIGATION
- EXISTING SERVICE
- EXISTING SERVICE TO BE REMOVED
- CONCRETE ENCASE PIPEWORK
- INSULATED PIPEWORK
- PIPE DROP TO OR RISE FROM
- PIPE TEE DROP
- PIPE TEE RISE
- E VERT — ELECTRICAL WIRING IN CONDUIT / VERTICAL PIPE RISER IN DRAINAGE
- FLOW DIRECTIONAL ARROWS ON ALL PIPING SERVICES
- 1.85% — PIPE FALL

VALVES (SCHEMATIC)

- BALL VALVE
- GATE VALVE
- STOP TAP
- DOUBLE CHECK VALVE IN WATER PIPELINES
- CHECK VALVE IN WATER PIPELINES
- REFLUX VALVE IN DRAINAGE PIPELINE
- PRESSURE REDUCTION VALVE
- PLV — PRESSURE LIMITING VALVE
- SWING CHECK VALVE WITH 3mm HOLE IN FLAP
- STAD — STAD VALVE
- S — SOLENOID VALVE
- M — MOTORIZED VALVE
- PRV — REDUCED PRESSURE ZONE DEVICE
- GR — GAS REGULATOR

VALVES (SCHEMATIC)

- BASIN, SINK OR BATH TAP SET
- BASIN - LEVER TYPE
- SHOWER TAP SET & SHOWER ROSE
- RIGHT ANGLE STOP TAP
- HT — HOSE TAP
- BHT — HW & CW BREECHED HOSE TAPS
- HOSE TAP WITH STOP TAP ON PIPE
- EYE WASH

SYSTEM ACCESSORIES

- PUMP
- FILTER
- CO — CLEAROUT
- FLANGED JOINT
- UNION
- PIPELINE TERMINATED WITH BLANK FLANGE
- PIPELINE CAPPED OFF
- TEST POINT
- ORIFICE PLATE
- CAMLOCK CONNECTION OUTLET
- 3-WAY VALVE
- AIR ADMITTANCE VALVE
- PRESSURE GAUGE
- TEMPERATURE GAUGE
- STRAINER
- OVERFLOW GULLY
- WM or GM — WATER / GAS METER
- BOUNDARY TRAP
- FW — FLOOR WASTE
- SFW — SEALED FLOOR WASTE
- KFW — KITCHEN FLOOR WASTE
- PLFW — PLANT ROOM FLOOR WASTE
- GFW — GARBAGE FLOOR WASTE WITH SS BASKET
- RO — ROOF OUTLET / RAIN WATER OUTLET (STORMWATER)
- PDO — PLANTER DRAIN OUTLET
- SO — SIPHONIC DRAINAGE OUTLET
- SRO — SIDE ROOF OUTLET (STORMWATER)
- SEWER MANHOLE OR STORMWATER MANHOLE (CIRCULAR ACCESS CHAMBER)
- AUTHORITY MAIN (SCHEMATIC)
- PUMP ELECTRICAL PANEL
- PENETRATION CORE THROUGH STRUCTURAL ELEMENT
- STORMWATER PIT WITH COVER (BOLT DOWN)
- STORMWATER PIT WITH GRATE
- DOWN PIPE SPREADER
- NEW
- DRAINAGE CELL PLAN AREA
- DRAINAGE CELL — TOP RL ..... / VERTICAL INSTALLATION — BOTTOM RL .....
- OVERLAND FLOW DIRECTIONAL ARROW
- ANNUBAR TEST POINT
- FIRE HOSE REEL
- FIRE HYDRANT

ABBREVIATIONS

VALVES

AHT	RIGHT ANGLE STOP TAP
BHT	BREECHED HOSE TAP
BV	BALL VALVE
CV	CHECK VALVE
DCV	DOUBLE CHECK VALVE
DDCV	DOUBLE DETECTOR CHECK VALVE
GBV	GAS BAYONET VALVE (WALL OR FLOOR MOUNTED)
GV	GATE VALVE
GVIB	GATE VALVE FOR BOILER
GVIDM	GATE VALVE FOR DE - HUMIDIFIER
HT	HOSE TAP
NRV	NON-RETURN VALVE
PHT	PLANTER HOSE TAP
PLV	PRESSURE LIMITING VALVE
PRV	PRESSURE REDUCTION VALVE
RPZ	REDUCED PRESSURE ZONE DEVICE
RST	RECESSED STOP TAP
RV	REFLUX VALVE
STAD	BALANCING VALVE (STAD)
SV	STOP VALVE
TMV	THERMOSTATIC MIXING VALVE
TMVVCG	THERMOSTATIC MIXING VALVE / VALVE CONTROL GROUP
T&PR	TEMPERATURE & PRESSURE RELIEF VALVE
VB	VALVE BOX

SANITARY PLUMBING AND DRAINAGE

BT	BOUNDARY TRAP
CO	CLEAROUT
CD	CONDENSATE DRAIN
CRV	CROSS RELIEF VENT
CST	CONDENSATE STACK
CVP	CONDENSATE VENT PIPE
DP	DOWN PIPE
DST	DRAINAGE STACK
DST Ur	DRAINAGE STACK URINAL
DTU	DRAINAGE TURN UP
FSTD	FIRE SPRINKLER TEST DRAIN
GA	GREASE ARRESTOR
GAV	GREASE ARRESTOR VENT
GD	GRAVEL DRAIN
GO	GUTTER OUTLET
GS	GREASE SUCTION
GW	GREASE WASTE
GWRV	GREASE WASTE RELIEF VENT
GWST	GREASE WASTE STACK
GWV	GREASE WASTE VENT PIPE
HD	HEAVY DUTY COVER OR GRATE WITH FRAME CLASS D, (GAS TIGHT FOR SEWERAGE SYSTEMS) CONFORMING TO AS 3996-1992.
I.O.	INSPECTION OPENING
KE	KERB ENTRY
LTG	LONGITUDINAL TRENCH GRATE
MD	MEDIUM DUTY COVER OR GRATE WITH FRAME CLASS C, (GAS TIGHT FOR SEWERAGE SYSTEMS) CONFORMING TO AS 3996-1992.
OG	OVERFLOW GULLY
O/F	OVERFLOW
OS	OIL SEPARATOR
PDO	PLANTER DRAIN OUTLET
PGW	PUMP GREASE WASTE
RO	RAINWATER OUTLET
RV	RELIEF VENT
RVP	REFLUX VALVE PIT
SCV	SEWER CHAMBER VENT
SDP	SIPHONIC DRAINAGE PIPE
SMH	SEWER MANHOLE
SO	SIPHONIC OUTLET
SP	SOIL PIPE
SP Ur	SOIL PIPE URINAL
SRM	SEWER RISING MAIN
SRO	SIDE ROOF OUTLET
SSRM	SUB-SOIL RISING MAIN
SWP	STORMWATER PIT
SWP/BD	STORMWATER PIT WITH BOLT DOWN COVER
SST	SOIL STACK
STW	STORMWATER
SV	STACK VENT
SWP	STORMWATER PIT
TG	TRENCH GRATE
TW	TRADE WASTE
TWRV	TRADE WASTE RELIEF VENT
TWV	TRADE WASTE VENT PIPE
V	VENT PIPE
WP	WASTE PIPE
WST	WASTE STACK

WATER PIPING SYSTEMS

PCW	POTABLE COLD WATER
PCWRM	POTABLE COLD WATER RISING MAIN
D	DRAIN
PHW	POTABLE HOT WATER
R	RELIEF
PTCW	POTABLE TANK COLD WATER
PPCW	PUMPED POTABLE COLD WATER
PWW	POTABLE WARM WATER

FLUID FLOW

FU	FIXTURE UNITS
kPa	PRESSURE IN KILOPASCALS
L/s	FLOW IN LITRES PER SECOND
LU	LOADING UNITS
m HEAD	PRESSURE IN METRES HEAD
m/s	VELOCITY OF FLOW IN METRES PER SECOND

FIXTURES & FITTINGS

AAV	AIR ADMITTANCE VALVE
AB	ACCESSIBLE BASIN
ASHr	ACCESSIBLE SHOWER
AWC	ACCESSIBLE WATER CLOSET
B	BASIN
BFW	BASKET FLOOR WASTE
Bth	BATH
Bth(Shr)	BATH WITH SHOWER OVER
BWU	BOILING WATER UNIT
CWM	CLOTHES WASHING MACHINE
DS	DOUBLE BOWL SINK
DWM	DISHWASHING MACHINE
FW	FLOOR WASTE
GCT	GAS COOK TOP
GCTO	GAS COOK TOP & OVEN UPRIGHT
GFW	GARBAGE FLOOR WASTE
GM	GAS METER
GWO	GAS WALL OVEN
HWU	HOT WATER UNIT
IM	ICE MACHINE
KFW	KITCHEN FLOOR WASTE
LS	LINE STRAINER
PLFW	PLANT DRAIN/FLOOR WASTE
S	SINK
SBth	SPA BATH
S/Shr/EW	SAFETY SHOWER EYEWASH
Shr	SHOWER
SSFW	STAINLESS STEEL FLOOR WASTE
T	TUB
TD	TUNDISH
TDAC	TUNDISH FOR AIR CONDITIONING UNIT
TTD	TRAPPED TUNDISH
TMV	THERMOSTATIC MIXING VALVE
Ur	URINAL
U/MBC	URINAL MICROWAVE BEAM CONTROL UNIT
UV	ULTRA VIOLET
UW	UTENSIL WASHER
VM	VENDING MACHINE
WC	WATER CLOSET
WG	WATER GUN
WM	WATER METER

GAS PIPING SYSTEMS

GM	GAS METER
kW	KILOWATT
MJ/hr	MEGAJOULE PER HOUR
NG	NATURAL GAS
NGTP	NATURAL GAS TAIL PIPE

FIRE PROTECTION PIPING SYSTEMS

DE	DIESEL EXHAUST
FH	FIRE HYDRANT
FHR	FIRE HOSE REEL
FS	FIRE SPRINKLER
IFS	INCOMING FIRE SPRINKLER

MATERIALS

Br	BRASS
CI	CAST IRON
CICL	CAST IRON CEMENT LINED
CONC	CONCRETE
CP	CHROMIUM PLATED
Cu	COPPER
DICL	DUCTILE IRON CEMENT LINED
FRC	FIBRE REINFORCED CEMENT
GMS	GALVANISED MILD STEEL
HDPE	HIGH DENSITY POLYETHYLENE
PE	POLYETHYLENE
PP	POLYPROPYLENE
RC	REINFORCED CONCRETE
RCP	REINFORCED CONCRETE PIPE
RHS	RECTANGULAR HOLLOW SECTION
S/S	STAINLESS STEEL
uPVC	UNPLASTICISED POLYVINYL CHLORIDE

LEVELS

AHD	AUSTRALIAN HEIGHT DATUM
CL	CEILING LEVEL
FFL	FINISHED FLOOR LEVEL
GL	GROUND LEVEL
H/L	HIGH LEVEL
IL	INVERT LEVEL
L/L	LOW LEVEL
M/L	MID LEVEL
RL	REDUCED LEVEL
U/S	UNDERSIDE
USFL	UNDERSIDE FLOOR
TK	TOP OF KERB

MISCELLANEOUS

A/C	AIR CONDITIONING
[B]	PIPE BELOW GROUND
B/P	BELOW PLANTER
C/L	CENTRE LINE
CIC	CAST IN COLUMN
CIS	CAST IN SLAB
DIA	DIAMETER
DRW	DRAWING
D/TB	DROPPING TO BELOW
ECP	PUMP ELECTRICAL CONTROL PANEL
EJ	EXPANSION JOINT
EX	EXISTING
FALL	PIPELINE FALL
GRD	GROUND
H/P	HIGH POINT
JU	JUMP UP
MPC	MULTI PART COVER
MPG	MULTI PART GRATE
NTS	NOT TO SCALE
R/FB	RISING FROM BELOW
SQ	SQUARE
U/NO	UNLESS NOTED OTHERWISE
VERT	VERTICAL

TRACKING TABLE - HYDRAULIC DESIGN (EW)

SERVICE	REQUEST SENT		RESPONSE RECEIVED	
	DATE	CORRESPONDENCE	DATE	CORRESPONDENCE
BMCS				
CIVIL - STORMWATER CONNECTIONS				
DRY FIRE				
ELECTRICAL - COMMS				
ELECTRICAL - POWER				
IRRIGATION			5/12/2019	EMAIL
SIPHONIC DRAINAGE				
STRUCTURAL - CONDUITS IN SLAB				
STRUCTURAL - PENETRATIONS				
STRUCTURAL - PLANT WEIGHT				

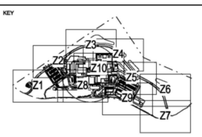
DRAWING LIST

Dwg No.	Drawing Title
PPG-HY-DWG-SSI-0000900-PDF	EARLY WORKS - TITLE SHEET
PPG-HY-DWG-SSI-1000901-PDF	EARLY WORKS - LOCATION PLAN - TRENCHES
PPG-HY-DWG-SSI-1000902-PDF	EARLY WORKS - LOCATION PLAN - SERVICES
PPG-HY-DWG-SSI-1000911-PDF	EARLY WORKS - SITE TRENCH PLAN - ZONE 1
PPG-HY-DWG-SSI-1000912-PDF	EARLY WORKS - SITE TRENCH PLAN - ZONE 2
PPG-HY-DWG-SSI-1000913-PDF	EARLY WORKS - SITE TRENCH PLAN - ZONE 3
PPG-HY-DWG-SSI-1000914-PDF	EARLY WORKS - SITE TRENCH PLAN - ZONE 4
PPG-HY-DWG-SSI-1000915-PDF	EARLY WORKS - SITE TRENCH PLAN - ZONE 5
PPG-HY-DWG-SSI-1000916-PDF	EARLY WORKS - SITE TRENCH PLAN - ZONE 6
PPG-HY-DWG-SSI-1000917-PDF	EARLY WORKS - SITE TRENCH PLAN - ZONE 7
PPG-HY-DWG-SSI-1000918-PDF	EARLY WORKS - SITE TRENCH PLAN - ZONE 8
PPG-HY-DWG-SSI-1000919-PDF	EARLY WORKS - SITE TRENCH PLAN - ZONE 9
PPG-HY-DWG-SSI-1000920-PDF	EARLY WORKS - SITE TRENCH PLAN - ZONE 10
PPG-HY-DWG-SSI-1000931-PDF	EARLY WORKS - SITE SERVICES PLAN - ZONE 1
PPG-HY-DWG-SSI-1000932-PDF	EARLY WORKS - SITE SERVICES PLAN - ZONE 2
PPG-HY-DWG-SSI-1000933-PDF	EARLY WORKS - SITE SERVICES PLAN - ZONE 3
PPG-HY-DWG-SSI-1000934-PDF	EARLY WORKS - SITE SERVICES PLAN - ZONE 4
PPG-HY-DWG-SSI-1000935-PDF	EARLY WORKS - SITE SERVICES PLAN - ZONE 5
PPG-HY-DWG-SSI-1000936-PDF	EARLY WORKS - SITE SERVICES PLAN - ZONE 6
PPG-HY-DWG-SSI-1000937-PDF	EARLY WORKS - SITE SERVICES PLAN - ZONE 7
PPG-HY-DWG-SSI-1000938-PDF	EARLY WORKS - SITE SERVICES PLAN - ZONE 8
PPG-HY-DWG-SSI-1000939-PDF	EARLY WORKS - SITE SERVICES PLAN - ZONE 9
PPG-HY-DWG-SSI-1000940-PDF	EARLY WORKS - SITE SERVICES PLAN - ZONE 10
PPG-HY-DWG-SSI-1000951-PDF	EARLY WORKS - TRENCH SECTION DETAIL 1

NORTH POINT

NOTES

KEY



REV	AMENDMENT	DATE
1	ISSUED FOR REVIEW	13/11/2019
2	ISSUED FOR REVIEW	20/11/2019
3	ISSUED FOR REVIEW	27/11/2019
A	PART 5 - CONTRACT DOCUMENTATION	10/12/2019

PROJECT
TWEED VALLEY HOSPITAL DEVELOPMENT SITE SERVICES INFRASTRUCTURE
Powell St & Florence Street, Tweed Heads NSW 2485

CLIENT
NSW GOVERNMENT Health Infrastructure

ARCHITECT
STH SILVER THOMAS HANLEY

planet plumbing group

TITLE
EARLY WORKS - TITLE SHEET

SCALE	DESIGNED	CHECKED	APPROVED
1 : 100	TW		DP

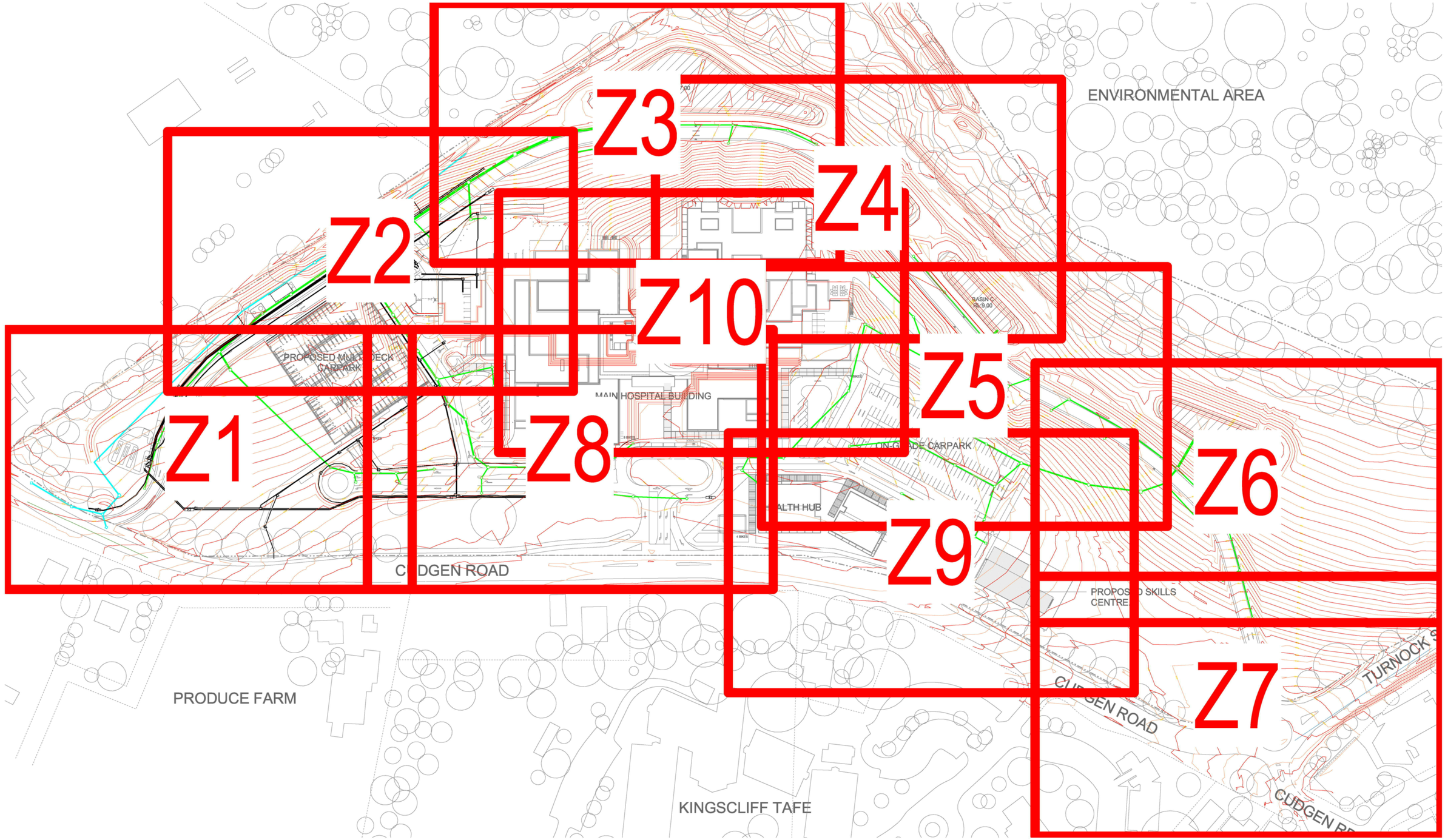
DATE	DRAWING No.	REV
11/12/19	PPG-HY-DWG-SSI-0000900-PDF	A

JOB No. 6574000

SHEET SIZE: A0

10/12/2019 3:36:06 PM C:\Revit worksets 2018\PPG-HY-BIM-SSI-0000000-RVT_Brad@wernerwirth.com.au.rvt

S68 Local Government ACT 1993
Sewer Approval
Plumbing and Drainage Works under Pts 1 2 of AS3500 - Plumbing Drainage
SEW19/0368
TWEED SHIRE COUNCIL



HYDRAULIC SERVICES PIPEWORK IS DRAWN OUT OF STRATA

NORTH POINT

NOTES

KEY

REV	AMENDMENT	DATE
1	ISSUED FOR REVIEW	13/11/2019
2	ISSUED FOR REVIEW	20/11/2019
3	ISSUED FOR REVIEW	27/11/2019

PROJECT
TWEED VALLEY HOSPITAL DEVELOPMENT SITE SERVICES INFRASTRUCTURE

Powell St & Florence Street, Tweed Heads NSW 2485

CLIENT
NSW GOVERNMENT Health Infrastructure

ARCHITECT
STH SILVER THOMAS HANLEY

planet plumbing group

TITLE
EARLY WORKS - LOCATION PLAN - TRENCHES

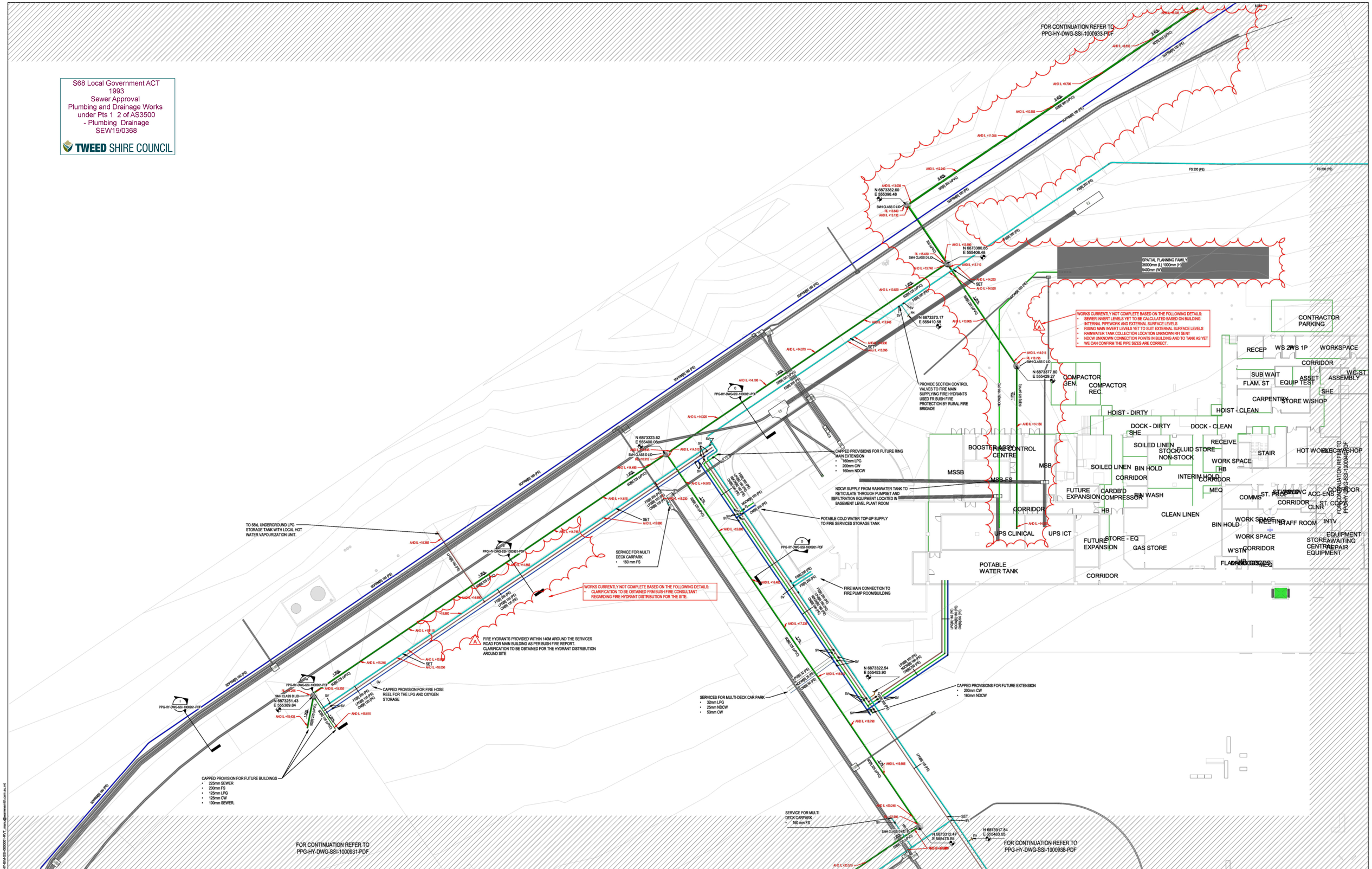
SCALE	DRAWN	DESIGNED	CHECKED	APPROVED
1 : 750	Author	Designer	Checker	Approver
DATE 11/12/19	DRAWING No. PPG-HY-DWG-SSI-1000901-PDF			REV 3
JOB No. 6574000				

SHEET SIZE: A0

27/11/2019 9:41:41 AM C:\Revit worksets 2018\PPG-HY-BIM-SSI-0000001-RVT_Brad@hanleysmith.com.au.rvt

S68 Local Government ACT 1993
Sewer Approval
Plumbing and Drainage Works
under Pts 1 2 of AS3500
- Plumbing Drainage
SEW19/0368

TWEED SHIRE COUNCIL



HYDRAULIC SERVICES PIPEWORK IS DRAWN OUT OF STRATA

NORTH POINT

NOTES

KEY

REV	AMENDMENT	DATE
1	ISSUED FOR REVIEW	13/11/2019
2	ISSUED FOR REVIEW	20/11/2019
3	ISSUED FOR REVIEW	27/11/2019
4	ISSUED FOR REVIEW	5/12/2019
A	PART 6 - CONTRACT DOCUMENTATION	11/12/2019

PROJECT

TWEED VALLEY HOSPITAL DEVELOPMENT SITE SERVICES INFRASTRUCTURE

Powell St & Florence Street, Tweed Heads NSW 2485

CLIENT

NSW GOVERNMENT Health Infrastructure

ARCHITECT

STH SILVER THOMAS HANLEY

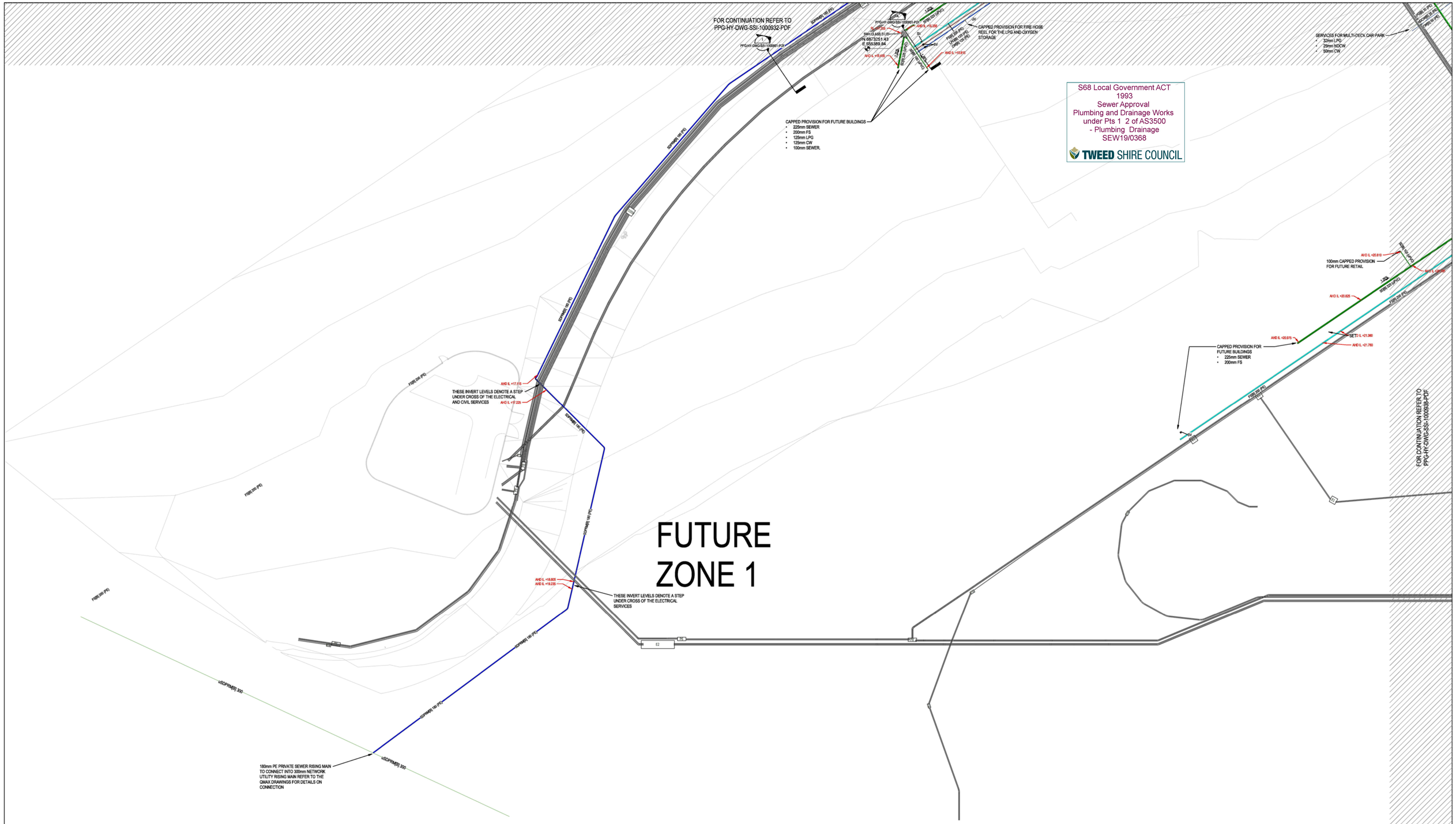
planet plumbing group

TITLE

EARLY WORKS - SITE SERVICES PLAN - ZONE 2

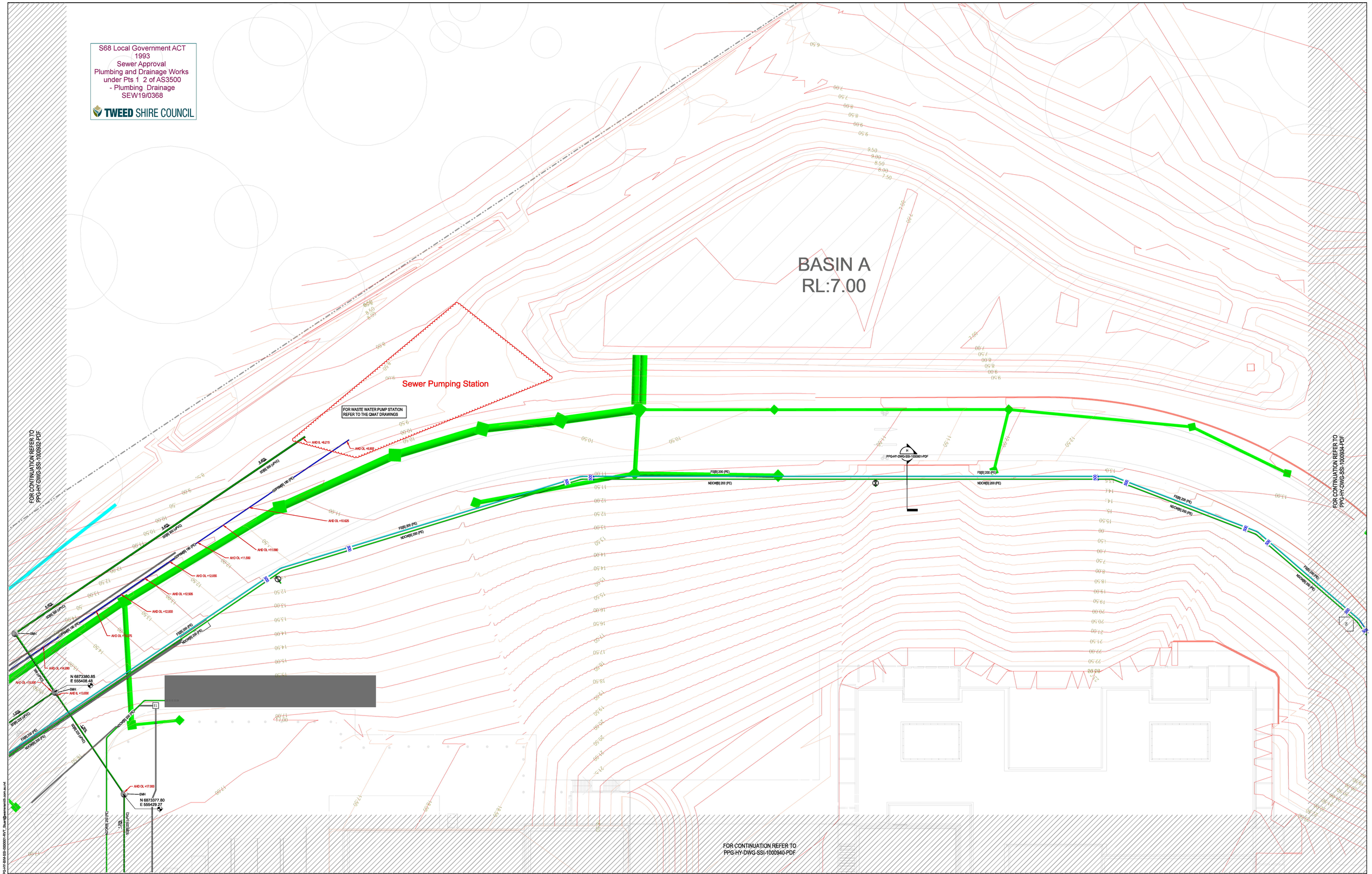
SCALE	DESIGNED	CHECKED	APPROVED
1 : 200	TW/MJ	JM/OB	DP
DATE 11/11/19	DRAWING No. PPG-HY-DWG-SSI-1000932-PDF		REV A
JOB No. 6574000			

SHEET SIZE: A0


FOR CONTINUATION REFER TO
PPG-HY-DWG-SSI-1000932-PDF
PPG-HY-DWG-SSI-1000931-PDF
PPG-HY-DWG-SSI-1000931-PDF
SDR9(PE 180 (PE))
SDR9(PE 180 (PE))
SDR9(PE 180 (PE))

S68 Local Government ACT 1993
Sewer Approval
Plumbing and Drainage Works under Pts 1 2 of AS3500 - Plumbing Drainage
SEW19/0368

TWEED SHIRE COUNCIL



HYDRAULIC SERVICES PIPEWORK IS DRAWN OUT OF STRATA

NORTH POINT

NOTES

KEY

REV	AMENDMENT	DATE
1	ISSUED FOR REVIEW	13/11/2019
2	ISSUED FOR REVIEW	20/11/2019
3	ISSUED FOR REVIEW	27/11/2019

PROJECT
TWEED VALLEY HOSPITAL DEVELOPMENT SITE SERVICES INFRASTRUCTURE

Powell St & Florence Street, Tweed Heads NSW 2485

CLIENT
NSW GOVERNMENT Health Infrastructure

ARCHITECT
STH SILVER THOMAS HANLEY

planet plumbing group

TITLE
EARLY WORKS - SITE SERVICES PLAN - ZONE 3

SCALE	DRAWN	DESIGNED	CHECKED	APPROVED
1 : 200	Author	Designer	Checker	Approver
DATE 11/12/19	DRAWING No. PPG-HY-DWG-SSI-1000933-PDF			REV 3
JOB No. 6574000				

SHEET SIZE: A0

BASIN A
RL:7.00

FOR CONTINUATION REFER TO
PPG-HY-DWG-SSI-1000933-PDF

S68 Local Government ACT
1993
Sewer Approval
Plumbing and Drainage Works
under Pts 1 2 of AS3500
- Plumbing Drainage
SEW19/0368

TWEED SHIRE COUNCIL

FOR CONTINUATION REFER TO
PPG-HY-DWG-SSI-1000940-PDF

BASIN B
RL:8.00

THREE WAY VALVE WITH CAPPED
END FOR FUTURE RING MAIN
EXTENSION

N 6873525.89
E 555810.74

SMH
AHD OL +23.000

1.25%
SDR[225 (uPVC)

1.25%
SDR[225 (uPVC)

1.25%
SDR[225 (uPVC)

BASIN C
RL:9.00

FOR CONTINUATION REFER TO
PPG-HY-DWG-SSI-1000935-PDF

HYDRAULIC SERVICES
PIPEWORK IS DRAWN OUT
OF STRATA

NORTH POINT

NOTES

KEY

REV	AMENDMENT	DATE
1	ISSUED FOR REVIEW	13/11/2019
2	ISSUED FOR REVIEW	20/11/2019
3	ISSUED FOR REVIEW	27/11/2019

PROJECT
TWEED VALLEY HOSPITAL
DEVELOPMENT SITE
SERVICES
INFRASTRUCTURE

Powell St & Florence Street, Tweed Heads
NSW 2485

CLIENT
NSW GOVERNMENT Health Infrastructure

ARCHITECT
STH
SILVER THOMAS HANLEY

planet
plumbing group

TITLE
EARLY WORKS - SITE SERVICES
PLAN - ZONE 4

SCALE	DRAWN	DESIGNED	CHECKED	APPROVED
1 : 200	Author	Designer	Checker	Approver
DATE 11/12/19	DRAWING No. PPG-HY-DWG-SSI-1000934-PDF			REV 3
JOB No. 6574000				

SHEET SIZE: A0

FOR CONTINUATION REFER TO PPG-HY-DWG-SSI-1000934-PDF

S68 Local Government ACT 1993
Sewer Approval
Plumbing and Drainage Works under Pts 1 2 of AS3500 - Plumbing Drainage
SEW19/0368
TWEED SHIRE COUNCIL

BASIN C
RL:9.00

THREE WAY VALVE WITH CAPPED END FOR FUTURE RING MAIN EXTENSION

N 6873525.89
E 555610.74
SMH
A/D CL +23.000

CAPPED PROVISION FOR FUTURE EXTENSION
- 125 LPG
- 125mm CW

4 BIKES

N 6873527.02
E 555646.53
SMH
A/D CL +22.500

N 6873506.92
E 555653.75
SMH
A/D CL +25.520

N 6873506.85
E 555653.69

225mm SEWER PROVISION FOR FUTURE CONNECTION

N 6873524.83
E 555705.31
SMH
A/D L +22.905
A/D CL +21.500

ON-GRADE CARPARK

N 6873524.30
E 555737.08
SMH
A/D L +21.300
A/D CL +19.000

FUTURE ZONE 2

N 6873413.41
E 555642.11
SMH

PPG-HY-DWG-SSI-1000951-PDF

HEALTH HUB

N 6873492.33
E 555745.35
SMH
A/D L +21.720
A/D CL +24.280

150mm CAPPED DRAINAGE PROVISION FOR CONNECTION TO SKILLS CENTRE BY MODULAR CONTRACTOR

FOR CONTINUATION REFER TO PPG-HY-DWG-SSI-1000939-PDF

FOR CONTINUATION REFER TO PPG-HY-DWG-SSI-1000940-PDF

FOR CONTINUATION REFER TO PPG-HY-DWG-SSI-1000936-PDF

HYDRAULIC SERVICES PIPEWORK IS DRAWN OUT OF STRATA

NORTH POINT

NOTES

KEY

REV	AMENDMENT	DATE
1	ISSUED FOR REVIEW	13/11/2019
2	ISSUED FOR REVIEW	20/11/2019
3	ISSUED FOR REVIEW	27/11/2019

PROJECT
TWEED VALLEY HOSPITAL DEVELOPMENT SITE SERVICES INFRASTRUCTURE

Powell St & Florence Street, Tweed Heads NSW 2485

CLIENT
NSW GOVERNMENT Health Infrastructure

ARCHITECT
STH SILVER THOMAS HANLEY

planet plumbing group

TITLE
EARLY WORKS - SITE SERVICES PLAN - ZONE 5

SCALE	DRAWN	DESIGNED	CHECKED	APPROVED
1 : 200	Author	Designer	Checker	Approver
DATE 11/12/19	DRAWING No. PPG-HY-DWG-SSI-1000935-PDF			REV 3
JOB No. 6574000				

SHEET SIZE: A0

FOR CONTINUATION REFER TO
PPG-HY-DWG-SSI-1000935-PDF

S68 Local Government ACT
1993
Sewer Approval
Plumbing and Drainage Works
under Pts 1 2 of AS3500
- Plumbing Drainage
SEW19/0368
TWEED SHIRE COUNCIL

BASIN D
RL:6.00

FUTURE
ZONE 2

FOR CONTINUATION REFER TO
PPG-HY-DWG-SSI-1000939-PDF

CAPPED PROVISION FOR FUTURE
EXTENSION
- 125mm CW

PROPOSED SKILLS
CENTRE.

FOR CONTINUATION REFER TO
PPG-HY-DWG-SSI-1000937-PDF

HYDRAULIC SERVICES
PIPEWORK IS DRAWN OUT
OF STRATA

NORTH POINT

NOTES

KEY

Z1 Z2 Z3 Z4 Z5 Z6 Z7 Z8 Z9 Z10

REV	AMENDMENT	DATE
1	ISSUED FOR REVIEW	13/11/2019
2	ISSUED FOR REVIEW	20/11/2019
3	ISSUED FOR REVIEW	27/11/2019

PROJECT
TWEED VALLEY HOSPITAL
DEVELOPMENT SITE
SERVICES
INFRASTRUCTURE

Powell St & Florence Street, Tweed Heads
NSW 2485

CLIENT
NSW GOVERNMENT Health Infrastructure

ARCHITECT
STH SILVER THOMAS HANLEY

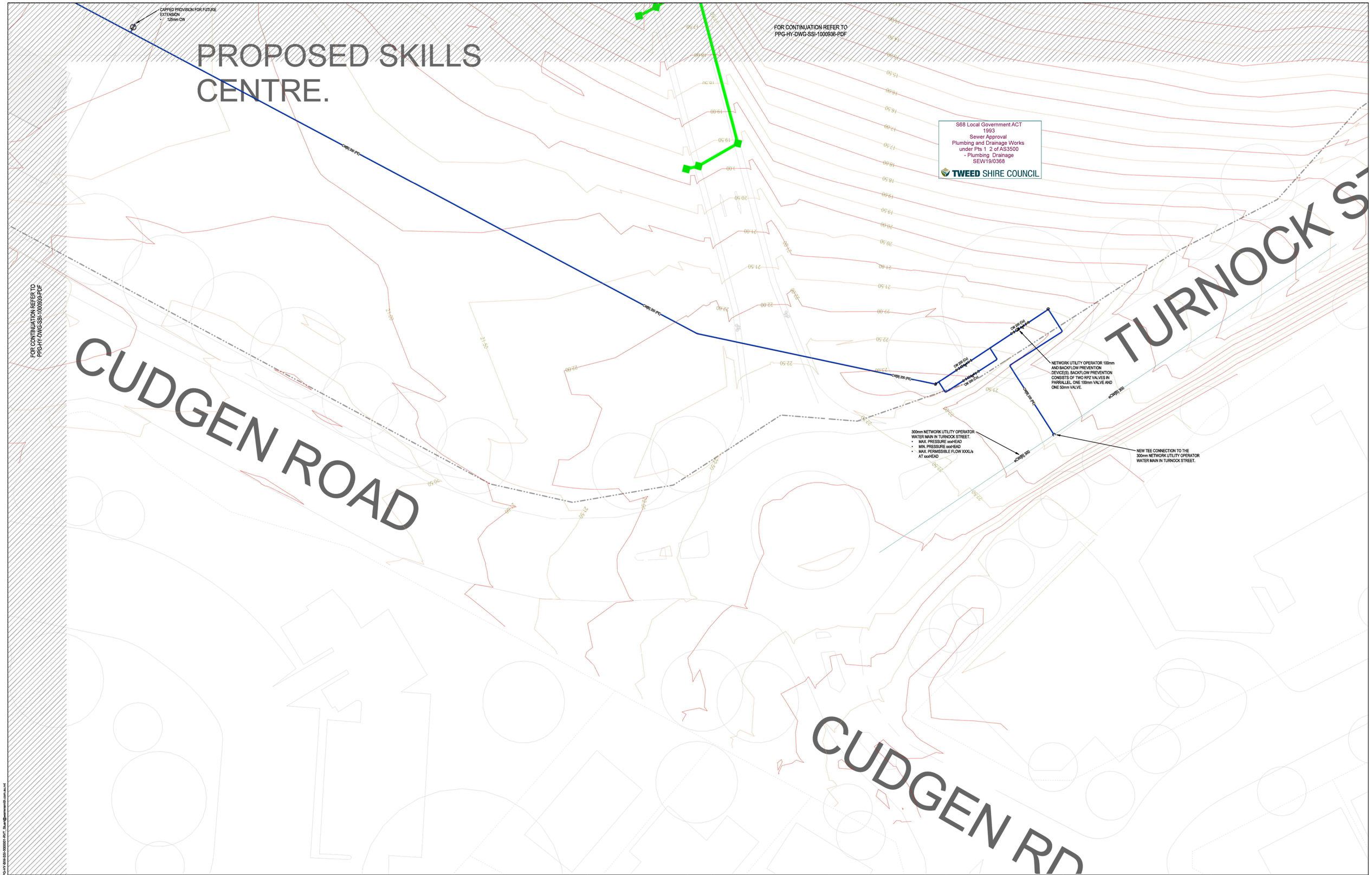
planet plumbing group

TITLE
EARLY WORKS - SITE SERVICES
PLAN - ZONE 6

SCALE	DRAWN	DESIGNED	CHECKED	APPROVED
1 : 200	Author	Designer	Checker	Approver
DATE 11/12/19	DRAWING No. PPG-HY-DWG-SSI-1000936-PDF			REV 3
JOB No. 6574000				

SHEET SIZE: A0

27/11/2019 9:03:48 AM C:\Revit workers\ 2018\PPG-HY-BIM-SSI-000001-RVT, Stuart@powersmith.com.au-x4



HYDRAULIC SERVICES PIPEWORK IS DRAWN OUT OF STRATA

NORTH POINT

NOTES

KEY

REV	AMENDMENT	DATE
1	ISSUED FOR REVIEW	13/11/2019
2	ISSUED FOR REVIEW	20/11/2019
3	ISSUED FOR REVIEW	27/11/2019

PROJECT
TWEED VALLEY HOSPITAL DEVELOPMENT SITE SERVICES INFRASTRUCTURE

Powell St & Florence Street, Tweed Heads NSW 2485

CLIENT
NSW GOVERNMENT Health Infrastructure

ARCHITECT
STH SILVER THOMAS HANLEY

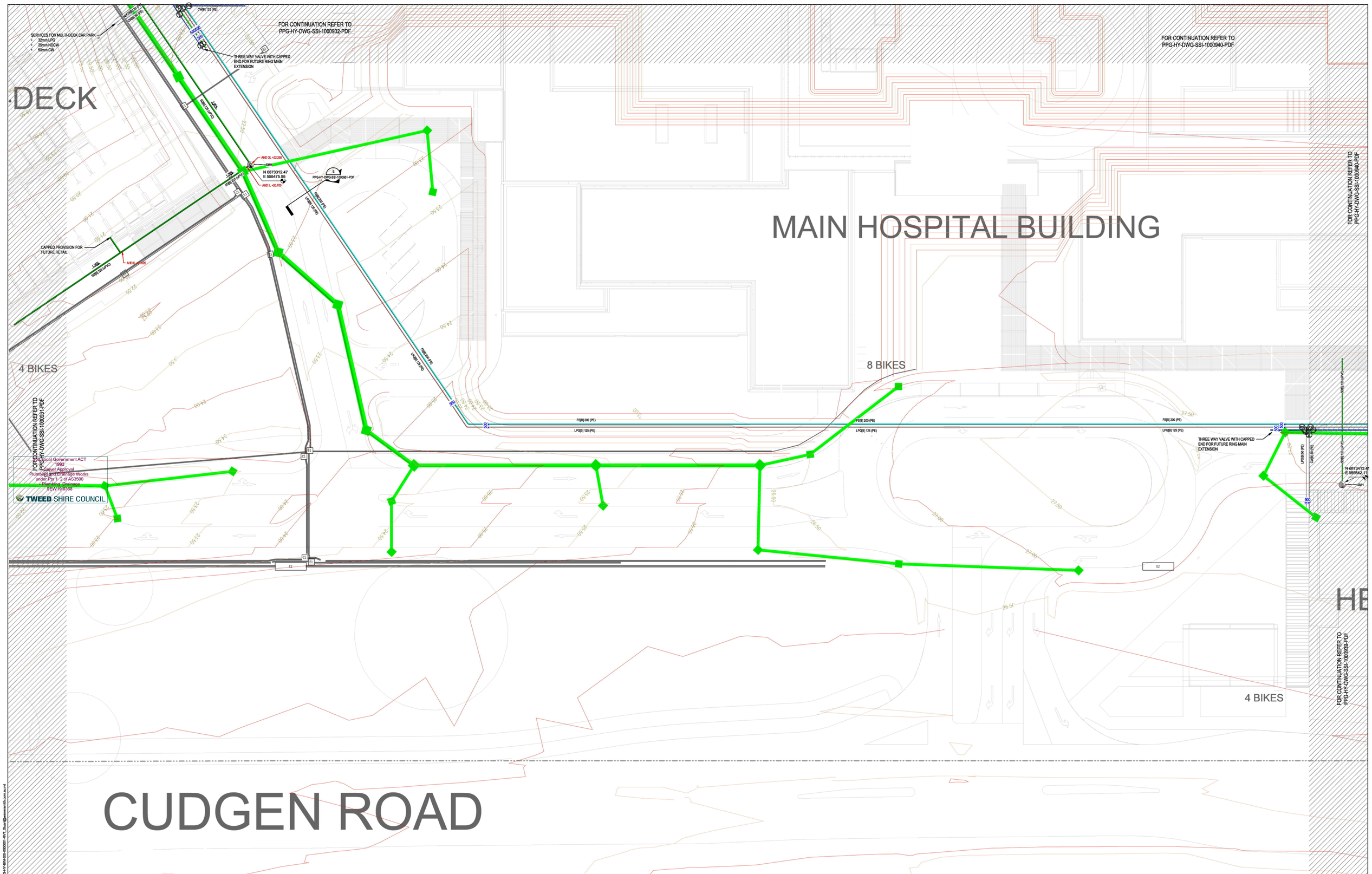
planet plumbing group

TITLE
EARLY WORKS - SITE SERVICES PLAN - ZONE 7

SCALE	DRAWN	DESIGNED	CHECKED	APPROVED
1 : 200	Author	Designer	Checker	Approver
DATE 11/12/19	DRAWING No. PPG-HY-DWG-SSI-1000937-PDF			REV 3
JOB No. 6574000				

SHEET SIZE: A0

27/11/2019 5:54:30 AM C:\Revit workers\ 2019\PPG-HY-BIM-SSI-000000-RVT_Blue@powerworth.com.au.rvt



Pursuant to Local Government ACT 1993
Sewer Approval
Plumbing and Drainage Works under Pts 1-2 of AS3500
Plumbing Design
SEW19/0368
TWEED SHIRE COUNCIL

HYDRAULIC SERVICES PIPEWORK IS DRAWN OUT OF STRATA

NORTH POINT

NOTES

KEY

REV	AMENDMENT	DATE
1	ISSUED FOR REVIEW	13/11/2019
2	ISSUED FOR REVIEW	20/11/2019
3	ISSUED FOR REVIEW	27/11/2019

PROJECT
TWEED VALLEY HOSPITAL DEVELOPMENT SITE SERVICES INFRASTRUCTURE

Powell St & Florence Street, Tweed Heads NSW 2485

CLIENT
NSW GOVERNMENT Health Infrastructure

ARCHITECT
STH SILVER THOMAS HANLEY

planet plumbing group

TITLE
EARLY WORKS - SITE SERVICES PLAN - ZONE 8

SCALE	DRAWN	DESIGNED	CHECKED	APPROVED
1 : 200	Author	Designer	Checker	Approver
DATE 11/12/19	DRAWING No. PPG-HY-DWG-SSI-1000938-PDF			REV 3
JOB No. 6574000				

SHEET SIZE: A0

FOR CONTINUATION REFER TO
PPG-HY-DWG-SSI-1000935-PDF

ON-GRADE CARPARK

S68 Local Government ACT
1993
Sewer Approval
Plumbing and Drainage Works
under Pts 1 2 of AS3500
- Plumbing Drainage
SEW19/0368
TWEED SHIRE COUNCIL

FUTURE
ZONE 2

HEALTH HUB

4 BIKES

PROVISION FOR HEALTH HUB
- 50mm LPG
- 50mm CW

N 6873413.41
E 555642.11

N 6873524.30
E 555737.08

N 6873492.33
E 555748.35

150mm CAPPED DRAINAGE
PROVISION FOR CONNECTION TO
SKILLS CENTRE BY MODULAR
CONTRACTOR

CAPPED PROVISION FOR THE SKILLS
CENTRE TO BE EXTENDED BY THE
MODULAR CONTRACTOR
- 125 LPG
- 125mm CW

CAPPED PROVISION FOR FUTURE
EXTENSION
- 125mm CW

PROPOSE
CENTRE.

FOR CONTINUATION REFER TO
PPG-HY-DWG-SSI-1000938-PDF

FOR CONTINUATION REFER TO
PPG-HY-DWG-SSI-1000937-PDF

CUD

HYDRAULIC SERVICES
PIPEWORK IS DRAWN OUT
OF STRATA

NORTH POINT

NOTES

KEY

REV	AMENDMENT	DATE
1	ISSUED FOR REVIEW	13/11/2019
2	ISSUED FOR REVIEW	20/11/2019
3	ISSUED FOR REVIEW	27/11/2019

PROJECT
TWEED VALLEY HOSPITAL
DEVELOPMENT SITE
SERVICES
INFRASTRUCTURE

Powell St & Florence Street, Tweed Heads
NSW 2485

CLIENT
NSW GOVERNMENT Health Infrastructure

ARCHITECT
STH SILVER THOMAS HANLEY

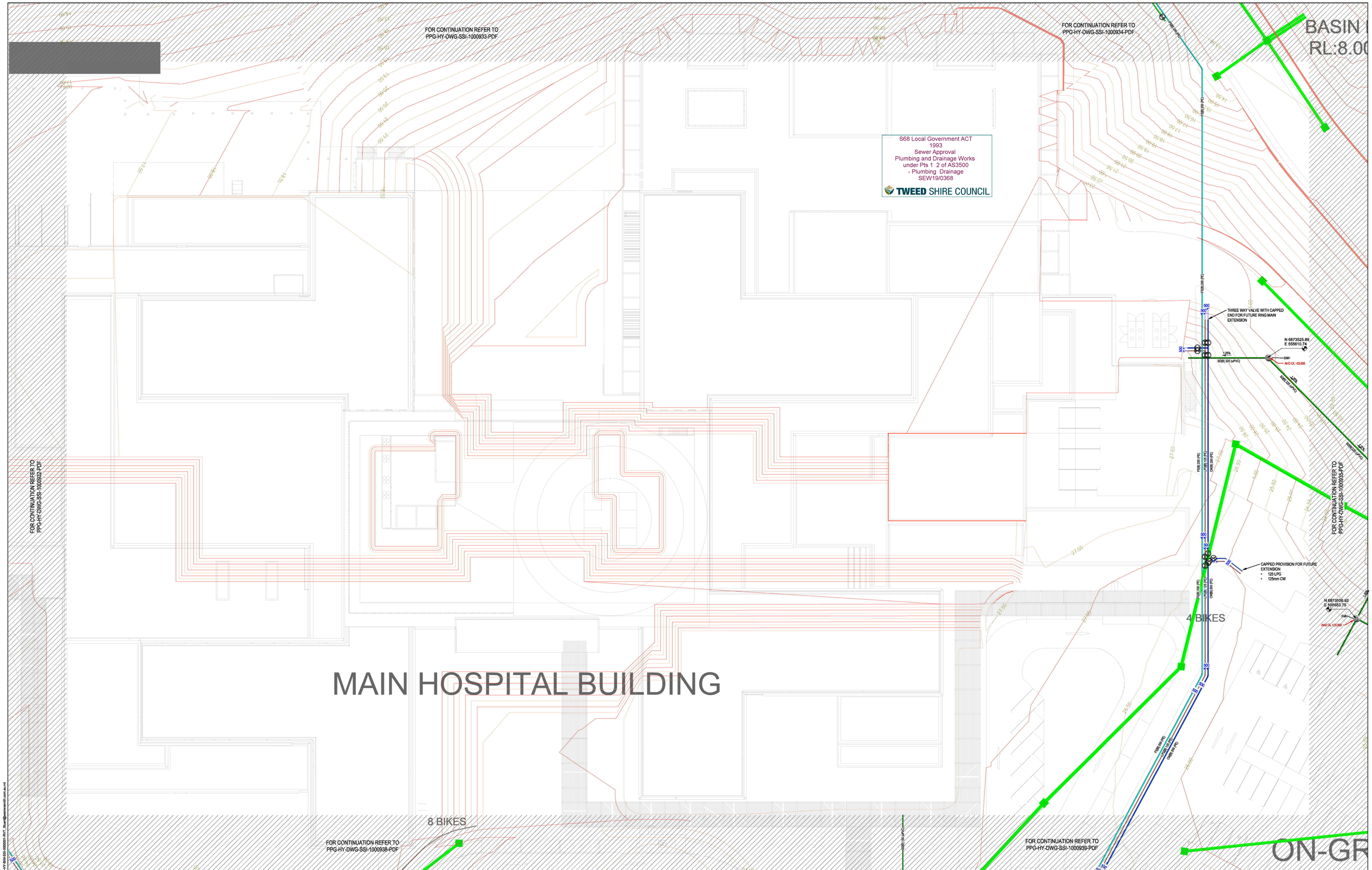
planet plumbing group

TITLE
EARLY WORKS - SITE SERVICES
PLAN - ZONE 9

SCALE	DRAWN	DESIGNED	CHECKED	APPROVED
1 : 200	Author	Designer	Checker	Approver
DATE 11/12/19	DRAWING No. PPG-HY-DWG-SSI-1000939-PDF			REV 3
JOB No. 6574000				

SHEET SIZE: A0

2/11/2019 9:05:57 AM C:\Revit worksets 2018\PPG-HY-000-SSI-000001-RVT_Blake@greenwith.com.au.rvt



HYDRAULIC SERVICES PIPEWORK IS DRAWN OUT OF STRATA

NORTH POINT

NOTES

KEY

REV	AMENDMENT	DATE
1	ISSUED FOR REVIEW	13/11/2019
2	ISSUED FOR REVIEW	20/11/2019
3	ISSUED FOR REVIEW	27/11/2019

PROJECT

TWEED VALLEY HOSPITAL DEVELOPMENT SITE SERVICES INFRASTRUCTURE

Powell St & Florence Street, Tweed Heads NSW 2485

CLIENT

NSW GOVERNMENT Health Infrastructure

ARCHITECT

STH SILVER THOMAS HANLEY

planet plumbing group

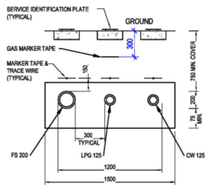
TITLE

EARLY WORKS - SITE SERVICES PLAN - ZONE 10

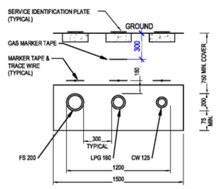
SCALE	DRAWN	DESIGNED	CHECKED	APPROVED
1 : 200	Author	Designer	Checker	Approver
DATE 11/12/19	DRAWING No. PPG-HY-DWG-SSI-1000940-PDF			REV 3
JOB No. 6574000				

SHEET SIZE: A0

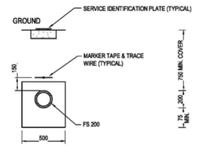
S68 Local Government ACT 1993
Sewer Approval
Plumbing and Drainage Works under Pts 1 2 of AS3500 - Plumbing Drainage
SEW19/0368
TWEED SHIRE COUNCIL



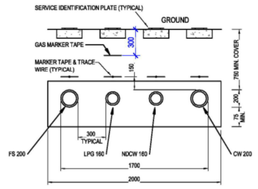
A TRENCH SECTION (ZONE 2)
NTS



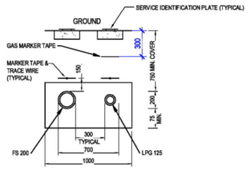
B TRENCH SECTION (ZONE 2)
NTS



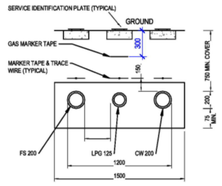
C TRENCH SECTION (ZONE 2)
NTS



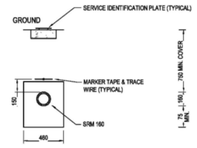
D TRENCH SECTION (ZONE 2)
NTS



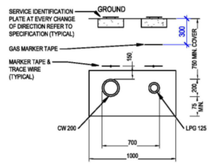
E TRENCH SECTION (ZONE 8)
NTS



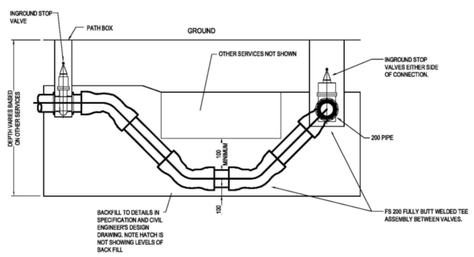
F TRENCH SECTION (ZONE 5)
NTS



I TRENCH SECTION (ZONE 2)
NTS



K TRENCH SECTION (ZONE 5)
NTS

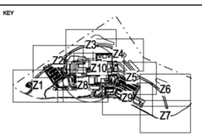


N TRENCH SECTION
NTS

NORTH POINT

NOTES

KEY



REV	AMENDMENT	DATE
1	ISSUED FOR REVIEW	13/11/2019
2	ISSUED FOR REVIEW	20/11/2019
3	ISSUED FOR REVIEW	27/11/2019
4	ISSUED FOR REVIEW	5/12/2019
A	PART 5 - CONTRACT DOCUMENTATION	10/12/2019

PROJECT
TWEED VALLEY HOSPITAL DEVELOPMENT SITE SERVICES INFRASTRUCTURE

Powell St & Florence Street, Tweed Heads NSW 2485

CLIENT
NSW GOVERNMENT Health Infrastructure

ARCHITECT
STH SILVER THOMAS HANLEY

planet plumbing group

TITLE
EARLY WORKS - TRENCH SECTION DETAIL 1

SCALE	DESIGNED	CHECKED	APPROVED
NTS	TW	JM	DP

DATE	DRAWING No.	REV
11/12/19	PPG-HY-DWG-SSI-1000951-PDF	A

JOB No. 6574000

0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 SHEET SIZE: A0

10/12/2019 3:38:05 PM C:\Revit worksets 2019\PPG-HY-B04-SSI-000000-RVT_Blue@tweveworth.com.au.rvt