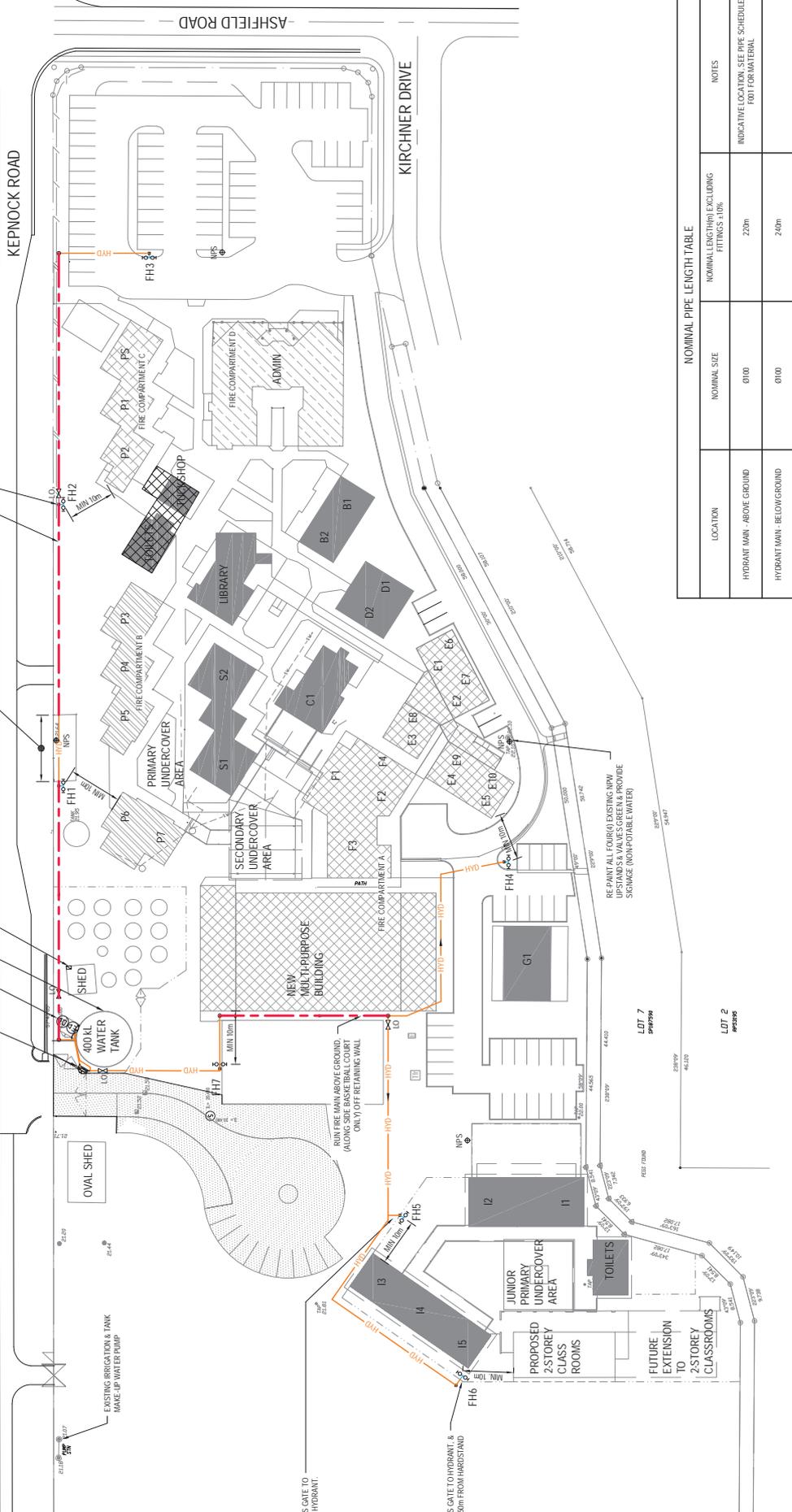


ELEMENT	COMMENT
LARGEST FIRE COMPARTMENT FLOOR AREA	2570 m ² (75' x 1')
FIRE COMPARTMENT CLASSIFICATION (BCA)	9 (B)
FLOW RATE REQUIRED	20 LIS (10 LIS EACH FROM 2 HYDRANTS)
DESIGN INCLUDES EXTERNAL HYDRANTS	YES
DESIGN INCLUDES INTERNAL HYDRANTS	NO
LOCATION OF THE MOST DISADVANTAGED HYDRANT	FH3
PRESSURE REQUIRED AT MOST DISADVANTAGED HYDRANT (ON SITE PUMPS)	5 LIS @ 700kPa, 10 LIS @ 800kPa
PRESSURE REQUIRED AT MOST DISADVANTAGED HYDRANT (BRIGADE APPLIANCE AT BOOSTER ASSEMBLY)	10 LIS @ 700 kPa
TEST PRESSURE	1700 kPa

?	PIPE CONTINUATION
•	TEE (NO/D)
→	FLOW DIRECTION
⊖	ELECTRIC PUMP
⊕	DIESEL PUMP
⊙	VERTICAL PIPE / RISER
⊘	GATE VALVE
⊚	DUAL OUTLET PILLAR HYDRANT
⊛	BOOSTER
⊜	BRIGADE SUCTION
—	UNDERGROUND FIRE MAIN
—	ABOVE GROUND FIRE MAIN
⊕	EXISTING NON-POTABLE WATER DUAL OUTLET STAND PIPE

- NOTES**
- HIGHEST HEIGHT OF HYDRANT ABOVE BOOSTER 0.70m.
 - SYSTEM DESIGN 20 LIS @ 700kPa.
 - SYSTEM COMMISSIONING TEST (ULS-OPEN FLOW IN SLS FOR REVERSE FLOW) TO BE CONDUCTED BY CONTRACTOR TO CONFIRM PIPEWORK, HYDRANT, TANK AND PUMP EQUIPMENT LOCATIONS WITH COMPLETE AS-BUILT DRAWINGS.
 - PROVIDE NEW FIRE BOOSTER ASSEMBLY WITH 1000 LITRE TANK & 2000 LITRE STORAGE TANK. SUCCTION & BOOSTER INLETS.
 - NEW ELECTRIC & DIESEL PUMPS, CONNECTED WITH SUCCTION FROM DEDICATED FIRE MAIN, REFER FOR DETAILED LAYOUT.
 - DEVELOP PROCEDURES FOR EMPTYING / MAINTAINING MAIN VOLUME RECD FOR FIRE FIGHTING, MAINTAIN CONTROLLED OVERFLOW PIPE & DISCHARGE POINT.
 - EXISTING MBS 2 & SOURCE OF EXISTING ELECTRIC & DIESEL FIRE PUMP CONTROLLER POWER SUB-MAINS.
 - RUN SECTION OF FIRE MAIN UNDER EXISTING SLAB BY TUNNEL BORING.
 - RUN FIRE MAIN INSIDE FENCE ABOVE GROUND - ALL NEW MAINS 100MB.
 - ALL NEW HYDRANTS DUAL OUTLET EXTERNAL TYPE, TYPICAL.

HYDRANT No.	ROOMS / RISERS PROTECTING
FH1	ROOMS / RISERS PROTECTING
FH2	P3 (10 P7)
FH3	PS, P1, P2 EXTENDED TUCKSHOP & PRIMARY TOILETS
FH4	ADMIN. (BACKUP TO PS, P1, P2 & TUCKSHOP)
FH5	E1 TO E10, F1 to F4, MULTI-PURPOSE
FH6	FUTURE 2-STORY (EXCL. FUTURE EXTENSION)
FH7	MULTI-PURPOSE



LOCATION	NOMINAL SIZE	NOMINAL LENGTH (M) EXCLUDING FITTINGS ±10%	NOTES
HYDRANT MAIN - ABOVE GROUND	Ø100	220m	INDICATIVE LOCATION, SEE FIRE SCHEDULE FOR MATERIAL
HYDRANT MAIN - BELOW GROUND	Ø100	240m	

SITE FIRE SERVICES PLAN
SCALE 1:500

DATE: 12/08/2019
DRAWN: SP187590
CHECKED: SP187590
SCALE: 1:500