

WARRIGAL AGED CARE FACILITY

1 ARCADIA STREET, WARILLA NSW 2528

NOT TO BE USED FOR CONSTRUCTION

AMDT	DATE	DESCRIPTION	BY
A	17.07.23	ISSUED FOR XX	XX

STANDARD SYMBOLS & NOTATIONS

SYMBOL	DESCRIPTION
	BOUNDARY LINE
	PROPOSED STORMWATER DRAINAGE LINE (IN THE GROUND) Ø100 @ 1.0% MIN GRADE UNO.
	PROPOSED RAINWATER DRAINAGE LINE Ø100 @ 1.0% MIN GRADE UNO. USE PRESSURE GRADE PIPES FOR CHARGED SYSTEM
	EXISTING STORMWATER DRAINAGE PIT AND PIPE
	PUMP RISING MAIN
	900 SUBSOIL LINE CONNECT TO STORMWATER OUTLET OR VERTICAL SLOT DRAIN
	SPOON / SWALE DRAIN
	GRADED SURFACE INLET PIT WITH (OVERLAND FLOW DIRECTION). PIT DIMENSIONS ARE GOVERNED BY DEPTH REFER DETAIL
	SEALED JUNCTION PIT
	GRADED DRAIN
	KERB INLET PIT WITH LINTEL
	RAINWATER DRAINAGE OUTLET
	CATCHMENT AREA TO STORMWATER PIT
	DRAINAGE CELL PLANTER OUTLET
	INDICATIVE DOWNPIPE - LOCATION AND MINIMUM SIZE
	GUTTER
	INSPECTION OPENING
	DOWNPIPES WITH SPREADER
	PROPOSED RAINWATER TANK
	EXISTING SURFACE LEVEL
	EXISTING SURVEY CONTOUR
	FINISHED SURFACE LEVEL
	FINISHED PAVEMENT LEVEL
	TOP OF NEW KERB LEVEL
	TOP OF NEW RETAINING WALL LEVEL
	PROPOSED PIT SURFACE LEVEL
	PROPOSED PIT INVERT LEVEL
	PROPOSED FINISHED FLOOR LEVEL
	PIPE SIZE, TYPE AND GRADE < > DENOTES DIRECTION OF FLOW
	RIGID PVC PIPE
	REINFORCED CONCRETE PIPE
	ROLL KERB & GUTTER
	KERB & GUTTER
	150 HIGH KERB ONLY
	OVERLAND FLOW PATH
	FALL DIRECTION
	RETAINING WALL WITH HEIGHT
	EXISTING SEWER LINE
	EXISTING TELSTRA LINE
	EXISTING GAS LINE
	EXISTING ELECTRICITY LINE
	EXISTING WATER MAIN

ALL EXISTING LEVELS TO BE CONFIRMED ON SITE PRIOR TO COMMENCEMENT OF WORKS.

DEPTH AND LOCATION OF ALL EXISTING SERVICES TO BE CONFIRMED BY BUILDER ON SITE PRIOR TO COMMENCEMENT OF CONSTRUCTION.

PROJECT INFORMATION TABLE

THE TABLES BELOW ARE TO BE READ IN CONJUNCTION WITH THE ADJACENT NOTES.

GEOTECHNICAL INFORMATION

COMPANY	REPORT No.	DATED

SURVEY INFORMATION

COMPANY	DATED
CEH CONSULTING	17.04.2020

PROOF ROLLING

PROOF ROLLING SPECIFICATION

(min) ROLLER WEIGHT	(min) NUMBER OF PASSES
5 TONNE	10

COMPACTION TESTING

RATE OF TESTS	TEST AREA PER LAYER
2	1000m ²

- TESTING SHALL BE CARRIED OUT BY A REGISTERED NATA LABORATORY

RIGID PAVEMENT DESIGN

• DESIGN LIFE	40 YEARS	
DESIGN VEHICLE	DESIGN CBR	DESIGN TRAFFIC
MRV	CBR 6	1 x 10 ESA

GENERAL

- ALL WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH THE NOMINATED OR APPLICABLE COUNCIL SPECIFICATION. WHERE A SPECIFICATION HAS NOT BEEN NOMINATED THEN THE CURRENT NSW DEPARTMENT OF HOUSING CONSTRUCTION SPECIFICATION IS TO BE USED. THE NOMINATED SPECIFICATION SHALL TAKE PRECEDENCE TO THESE NOTES.
- ALL DRAWINGS SHOULD BE READ IN CONJUNCTION WITH THE RELEVANT ARCHITECTURAL DRAWINGS & DRAWINGS FROM OTHER CONSULTANTS.
- THE CONTRACTOR SHOULD REPORT ANY DISCREPANCIES ON THE DRAWINGS TO THE ENGINEER RESPONSIBLE FOR THE DESIGN.
- THE CONTRACTOR SHOULD LOCATE AND LEVEL ALL EXISTING SERVICES PRIOR TO COMMENCING CONSTRUCTION AND PROTECT AND MAKE ARRANGEMENTS WITH THE RELEVANT AUTHORITY TO RELOCATE AND/OR ADJUST IF NECESSARY. INFORMATION GIVEN ON THE DRAWINGS IN RESPECT TO SERVICES IS FOR GUIDANCE ONLY AND IS NOT GUARANTEED COMPLETE NOR CORRECT.
- CONTRACTOR IS NOT TO ENTER UPON NOR DO ANY WORK WITHIN ADJACENT LANDS WITHOUT THE PERMISSION OF THE OWNER.
- SURPLUS EXCAVATED MATERIAL SHALL BE PLACED WHERE DIRECTED OR REMOVED FROM SITE.
- ALL NEW WORKS SHALL MAKE A SMOOTH JUNCTION WITH EXISTING.
- ALL DRAINAGE LINES THOUGH ADJACENT LOTS SHALL BE CONTAINED WITHIN EASEMENTS CONFORMING TO COUNCIL'S STANDARDS.
- THE CONTRACTOR SHALL CLEAR THE SITE BY REMOVING ALL RUBBISH, FENCES AND DEBRIS ETC. TO THE EXTENT SPECIFIED.
- PRIOR TO COMMENCEMENT OF WORK, THE CONTRACTOR SHALL PROVIDE A TRAFFIC MANAGEMENT PLAN PREPARED BY AN ACCREDITED PERSON IN ACCORDANCE WITH TMR REQUIREMENTS, FOR ANY WORK ON OR ADJACENT TO PUBLIC ROADS, PLAN TO BE SUBMITTED TO COUNCIL & TMR.

SURVEY

- JN ARE NOT RESPONSIBLE FOR THE ACCURACY OF ANY SURVEY INFORMATION PROVIDED ON THIS DRAWING.
- ALL LEVELS ARE TO A.H.D.
- ALL CHAINAGES AND LEVELS ARE IN METRES, AND DIMENSIONS IN MILLIMETRES.
- CONTRACTORS SHALL ARRANGE FOR THE WORKS TO BE SET OUT BY A REGISTERED SURVEYOR.

EARTHWORKS

- PROVIDE PROTECTION BARRIERS TO PROTECTED/SENSITIVE AREAS PRIOR TO ANY BULK EXCAVATION.
- OVER FULL AREA OF EARTHWORKS, CLEAR VEGETATION, RUBBISH, SLABS ETC. AND STRIP TOP SOIL. AVERAGE 200mm THICK. REMOVE FROM SITE, EXCEPT TOP SOIL FOR RE-USE.
- CUT AND FILL OVER THE SITE TO LEVELS REQUIRED.
- PRIOR TO ANY FILLING IN AREAS OF CUT OR IN EXISTING GROUND, PROOF ROLL THE EXPOSED SURFACE WITH A ROLLER OF MINIMUM WEIGHT OF 5 TONNES WITH A MINIMUM OF 10 PASSES.
- EXCAVATE AND REMOVE ANY SOFT SPOTS ENCOUNTERED DURING PROOF ROLLING AND REPLACE WITH APPROVED FILL COMPACTED IN LAYERS. THE WHOLE OF THE EXPOSED SUBGRADE AND FILL SHALL BE COMPACTED TO 98% STANDARD MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE CONTENT ± 2%.
- FOR ON SITE FILLING AREAS, THE CONTRACTOR SHALL TAKE LEVELS OF EXISTING SURFACE AFTER STRIPPING TOPSOIL AND PRIOR TO COMMENCING FILL OPERATIONS.
- WHERE HARD ROCK IS EXPOSED IN THE EXCAVATED SUB-GRADE, THIS WILL BE INSPECTED AND A DECISION MADE ON THE LEVEL TO WHICH EXCAVATION IS TAKEN.
- FILL IN 200mm MAXIMUM (LOOSE THICKNESS) LAYERS TO UNDERSIDE OF BASECOURSE USING THE EXCAVATED MATERIAL AND COMPACTED TO 98% STANDARD (AS 1289 S.1.1). MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE CONTENT ± 2% SHOULD THERE BE INSUFFICIENT MATERIAL FROM SITE EXCAVATIONS, IMPORT AS NECESSARY CLEAN GRANULAR FILL TO APPROVAL.
- COMPACTION TESTING SHALL BE CARRIED OUT AT THE RATE OF 2 TESTS PER 1000SQ METRES PER LAYER BY A REGISTERED NATA LABORATORY. THE COSTS OF TESTING AND RE-TESTING ARE TO BE ALLOWED FOR BY THE BUILDER.
- BATTERS TO BE AS SHOWN, OR MAXIMUM 1 VERT : 4 HORIZ. ALL CONDUITS AND MAINS SHALL BE LAID PRIOR TO LAYING FINAL PAVEMENT.
- ALL BATTERS AND FOOTPATHS ADJACENT TO ROADS SHALL BE TOP SOILED WITH 150mm APPROVED LOAM AND SEEDED UNLESS OTHERWISE SPECIFIED.

DRAINAGE INSTALLATION

RCP CONVENTIONAL INSTALLATIONS & ROAD CROSSINGS

- SUPPLY & INSTALLATION OF DRAINAGE WORKS TO BE IN ACCORDANCE WITH THESE DRAWINGS, THE COUNCIL SPECIFICATION AND THE CURRENT APPLICABLE AUSTRALIAN STANDARDS.
- BEDDING OF THE PIPELINES IS TO BE TYPE 'HS2' IN ACCORDANCE WITH THE STANDARDS AND AS FOLLOWS:
 - COMPACTED GRANULAR MATERIAL IS TO COMPLY WITH THE FOLLOWING GRADINGS:

SIEVE SIZE (mm)	19	2.36	0.60	0.30	0.15	0.075
% MASS PASSING	100	50-100	20-90	10-60	0-25	0-10
 - AND THE MATERIAL PASSING THE 0.075 SIEVE HAVING LOW PLASTICITY AS DESCRIBED IN APPENDIX D OF AS1726.
 - BEDDING DEPTH UNDER THE PIPE TO BE 100mm.
 - BEDDING MATERIAL TO BE EXTENDED FROM THE TOP OF THE BEDDING ZONE UP TO 0.3 TIMES PIPE OUTSIDE DIAMETER. THIS REPRESENTS THE 'HAUNCH ZONE.'
 - THE BEDDING & HAUNCH ZONE MATERIAL IS TO BE COMPACTED TO A MINIMUM RELATIVE COMPACTION OF 98% WITHIN ROAD RESERVES AND TRAFFICABLE AREAS AND 95% ELSEWHERE FOR COHESIVE MATERIAL OR A MINIMUM DENSITY INDEX OF 70% IN ACCORDANCE WITH THE STANDARDS FOR COHESIONLESS MATERIAL.
 - COMPACTION TESTING SHALL BE CARRIED OUT BY AN APPROVED ORGANISATION WITH A NATA CERTIFIED LABORATORY FOR ALL DRAINAGE LINES LAID WHOLLY OR IN PART UNDER THE KERB & GUTTER OR PAVEMENT.
- BACKFILL SHALL BE PLACED & COMPACTED IN ACCORDANCE WITH THE SPECIFICATION. A GRANULAR GRAVEL AGGREGATE MATERIAL (<10mm) BACKFILL IS RECOMMENDED FOR THE BEDDING, HAUNCH SUPPORT AND SIDE ZONE DUE TO ITS SELF COMPACTING ABILITY.
- A MINIMUM OF 150mm CLEARANCE IS TO BE PROVIDED BETWEEN THE OUTSIDE OF THE PIPE BARREL AND THE TRENCH WALL FOR PIPES < 600 DIA. 200mm CLEARANCE FOR PIPES 600 TO 1200 DIA AND D/6 CLEARANCE FOR PIPES > 1200 DIA.

SAFETY IN DESIGN

- THERE ARE INHERENT RISKS WITH CONSTRUCTING, MAINTAINING, OPERATING, DEMOLISHING, DISMANTLING AND DISPOSING THIS DESIGN THAT ARE TYPICAL OF SIMILAR DESIGNS. AS FAR AS IS REASONABLY PRACTICABLE RISKS HAVE BEEN ELIMINATED OR MINIMISED THROUGH THE DESIGN PROCESS. HAZARD CONTROLS MUST STILL BE IMPLEMENTED BY THE CONTRACTOR, OWNER OR OPERATOR TO ENSURE THE SAFETY OF WORKERS.

STORMWATER DRAINAGE

- STORMWATER DRAINAGE SHALL BE GENERALLY IN ACCORDANCE WITH CURRENT AUSTRALIAN STANDARDS AND COUNCIL'S SPECIFICATION.
- HOUSING CONSTRUCTION, AND UNDER SHALL BE UPVC.
- PIPES OF 375mm DIA. AND LARGER SHALL BE RCP OR CONCRETE CLASS 2 RUBBER RING JOINTED UNO.
- ALL RCP OR RCP STORMWATER PIPES WITHIN ROAD RESERVE AREAS TO BE CLASS 3 U.N.O.
- PIPES SHALL GENERALLY BE LAID AT THE GRADES INDICATED ON THE DRAWINGS.
- MINIMUM COVER TO PIPES 300mm DIA. AND OVER GENERALLY SHALL BE 600mm IN CARPARK & ROADWAY AREAS UNO.
- PIPES UP TO 150mm DIA SHALL BE LAID AT 1.0% MIN. GRADE U.N.O.
- PIPES 225mm DIA AND OVER SHALL BE LAID AT 0.5% MIN. GRADE U.N.O.
- BACKFILL TRENCHES WITH APPROVED FILL COMPACTED TO 200mm LAYERS TO 98% OF STANDARD DENSITY.
- ANY PIPES OVER 16% GRADE SHALL HAVE CONCRETE BULKHEADS AT ALL JOINTS.
- ALL BASES OF PITS TO BE BENCHMARKED TO HALF PIPE DEPTH AND PROVIDE GALVANISED ANGLE SURROUNDINGS TO GRATE.
- SUBSOIL LINE PIPES AND FITTINGS SHALL BE PERFORMED PLASTIC TO CURRENT AUSTRALIAN STANDARDS. LAY PIPES ON FLOOR OF TRENCH GRADED AT 1% MIN. AND OVERLAY WITH FILTER MATERIAL EXTENDING TO WITHIN 200mm OF SURFACE. PROVIDE FILTER FABRIC OF PERMEABLE POLYPROPYLENE BETWEEN FILTER MATERIAL AND TOPSOIL. PROVIDE FLUSHING EYES AT HIGH POINTS OR TO COUNCILS REQUIREMENTS.
- SHOULD THE CONTRACTOR ELECT TO INSTALL PRECAST STORMWATER PITS AND THEY ARE PERMITTED BY COUNCIL AND THE CLIENT, THE PRECAST PITS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH RMS STANDARDS INCLUDING:
 - SEAL THE SEGMENTS TOGETHER USING A SITE-APPROVED NON-SHRINK GROUT OR MASTIC-TYPE PRODUCT. APPLY THE SEALANT IN ACCORDANCE WITH THE PRODUCT MANUFACTURER'S REQUIREMENTS.
 - ENSURE THAT NO GAPS REMAIN AND THAT A SMOOTH FACE EXISTS BETWEEN MULTIPLE UNITS.
 - LEAVE THE SEGMENTS UNDISTURBED UNTIL THE PERIOD OF CURING IS COMPLETED IN ACCORDANCE WITH THE GROUT OR SEALANT PRODUCT MANUFACTURER'S REQUIREMENTS.

ENVIRONMENTAL SITE MANAGEMENT

- EROSION & SEDIMENT CONTROLS TO BE INSTALLED IN ACCORDANCE WITH COUNCIL'S SPECIFICATION & THE IECA BEST PRACTICE EROSION AND SEDIMENT CONTROL (BPESC).
- SEDIMENT & EROSION CONTROLS MUST BE IN PLACE PRIOR TO THE COMMENCEMENT OF ANY EARTHWORKS OR DEMOLITION ACTIVITY. THE LOCATION OF SUCH DEVICES IS INDICATIVE ONLY AND FINAL POSITION SHOULD BE DETERMINED ON SITE.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT ALL MEASURES ARE TAKEN DURING THE COURSE OF CONSTRUCTION TO PREVENT SEDIMENT EROSION AND POLLUTION OF THE DOWNSTREAM SYSTEM. SUPERVISING ENGINEER SHOULD BE CONTACTED IF IN DOUBT. ALL SEDIMENT CONTROL STRUCTURES TO BE INSPECTED AFTER EACH RAINFALL EVENT FOR STRUCTURAL DAMAGE AND ALL TRAPPED SEDIMENT TO BE REMOVED TO A NOMINATED SOIL STOCKPILE SITE.
- RETAIN ALL EXISTING GRASS COVER WHEREVER POSSIBLE. TOPSOIL FROM ALL AREAS THAT WILL BE DISTURBED TO BE STRIPPED AND STOCKPILED AT THE NOMINATED SITE. A SEDIMENT FENCE TO BE PLACED DOWNHILL OF STOCKPILE.
- AREAS OF SITE REGRADING ARE TO BE COMPLETED PROGRESSIVELY DURING THE WORKS AND STABILISED AS EARLY AS POSSIBLE. THE SUPERVISING ENGINEER MAY DIRECT THE CONTRACTOR TO HAVE AREAS OF DISTURBANCE COMPLETED AND STABILISED DURING THE COURSE OF THE WORKS.
- ALL DISTURBED AREAS ARE TO BE SEEDED & FERTILISED WITHIN 14 DAYS OF EXPOSURE.
- ALL EXISTING TREES TO BE RETAINED UNLESS SHOWN OTHERWISE ON APPROVED DRAWINGS. TREES RETAINED ARE TO BE PROTECTED WITH A HIGH VISIBILITY FENCE, PLUS FLAGGING TO INDIVIDUAL TREES AS NECESSARY.
- INSTALL TEMPORARY SEDIMENT BARRIERS TO ALL INLET PITS LIKELY TO COLLECT SILT LADEN WATER, UNTIL SURROUNDING AREAS ARE PAVED OR REGRADED.
- ALL SILT FENCES & BARRIERS ARE TO BE MAINTAINED IN GOOD ORDER & REGULARLY DESILTED DURING THE CONSTRUCTION PERIOD.
- STOCKPILES OF LOOSE MATERIALS SUCH AS SAND, SOIL, GRAVEL MUST BE COVERED WITH GEOTEXTILE SILT FENCE MATERIAL. PLASTIC SHEETING OR MEMBRANE MUST NOT BE USED. SAFETY BARRICADING SHOULD BE USED TO ISOLATE STOCKPILES OF SOLID MATERIALS SUCH AS STEEL REINFORCING, FORMWORK AND SCAFFOLDING.
- WASTE MATERIALS ARE TO BE STOCKPILED OR LOADED INTO SKIP-BINS LOCATED ON SITE AS SHOWN ON PLAN.
- NO MORE THAN 150m OF TRENCHING TO BE OPEN AT ANY ONE TIME. IMMEDIATELY AFTER TRENCH BACKFILLING, PROVIDE SANDBAGS OR SAUSAGE FILTERS ACROSS EACH TRENCH AT MAXIMUM 20m SPACINGS. FILTERS TO REMAIN IN PLACE UNTIL REVEGETATION HAS OCCURRED.
- ALL VEHICLES LEAVING THE SITE MUST PASS OVER THE STABILISED SITE ACCESS BALLAST AREA (SIMILAR TO SD6-14) TO SHAKE OFF SITE CLAY AND SOIL. IF NECESSARY WHEEL AXLES ARE TO BE HOSED DOWN. BALLAST IS TO BE MAINTAINED & REPLACED AS NECESSARY DURING THE CONSTRUCTION PERIOD.
- THE HEAD CONTRACTOR IS TO INFORM ALL SITE STAFF AND SUB-CONTRACTORS OF THEIR OBLIGATIONS UNDER THE EROSION AND SEDIMENT CONTROL PLAN.
- ANY SEDIMENT DEPOSITED ON THE PUBLIC WAY, INCLUDING FOOTPATH RESERVE AND ROAD SURFACE, IS TO BE REMOVED IMMEDIATELY.
- PROVIDE BARRIERS AROUND ALL CONSTRUCTION WORKS WITHIN THE FOOTPATH AREA TO PROVIDE SAFE ACCESS FOR PEDESTRIANS.
- CONCRETE PUMPS AND CRANES ARE TO OPERATE FROM WITHIN THE BALLAST ENTRY DRIVEWAY AREA AND ARE NOT TO OPERATE FROM THE PUBLIC ROADWAY UNLESS SPECIFIC COUNCIL PERMISSION IS OBTAINED.
- DELIVERY VEHICLES MUST NOT STAND WITHIN THE PUBLIC ROADWAY FOR MORE THAN 20 MINUTES AT A TIME.
- TRUCKS REMOVING EXCAVATED / DEMOLISHED MATERIAL SHOULD TRAVEL ON STABILISED CONSTRUCTION PATHS. MATERIAL TO BE TAKEN TO THE TRUCK TO REDUCE TRUCK MOVEMENT ON SITE. TRUCKS TO BE LIMITED TO SINGLE UNIT HEAVY RIGID VEHICLES. (NO SEMITRAILERS)
- ANY EXCAVATION WORK ADJACENT TO ADJOINING PROPERTIES OR THE PUBLIC ROADWAY IS NOT TO BE COMMENCED UNTIL THE STRUCTURAL ENGINEER IS CONSULTED AND SPECIFIC INSTRUCTIONS RECEIVED FROM THE ENGINEER.
- TOILET FACILITIES MUST BE EITHER A FLUSHING TYPE OR APPROVED PORTABLE CHEMICAL CLOSET. CHEMICAL CLOSETS ARE TO BE MAINTAINED & SERVICED ON A REGULAR BASIS SO THAT OFFENSIVE ODOUR IS NOT EMITTED.
- DURING TRENCH EXCAVATION ALL SPOIL SHALL BE MOUNDDED ON THE UPHILL SIDE OF TRENCHES AND PLACEMENT IS TO COMPLY WITH THE SUPERINTENDENTS REQUIREMENT.
- DIVERSION BANKS SHOULD BE CONSTRUCTED BY MOUNDING STRIPPED TOPSOIL (MIN HEIGHT 600mm) WHERE DIRECTED. MATERIAL TO BE RESPREAD ON FOOTPATHS AFTER FINAL TRIMMING.
- UNDISTURBED BUFFER ZONE AREAS ARE CLOSED TO ALL TRAFFIC MOVEMENTS UNLESS OTHERWISE NOTED BY THE SUPERINTENDENT AND ACCESS TO THE SEWER OR C.D.L. TRENCHING WILL BE AS SHOWN, OR HEAVY PENALTIES MAY BE IMPOSED.
- TRAFFIC MANAGEMENT MEASURES ARE REQUIRED TO BE IMPLEMENTED AND MAINTAINED DURING CONSTRUCTION, IN ACCORDANCE WITH 'TMR TEMPORARY TRAFFIC MANAGEMENT GUIDELINES' AND AS 1742 'MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES'.
- PEDESTRIAN CONTROL MEASURES ARE REQUIRED TO BE IMPLEMENTED AND MAINTAINED DURING CONSTRUCTION, IN ACCORDANCE WITH AS 1742 'MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES'.

SYMBOL	DESCRIPTION
	PROPOSED BUILDING LINE
	PROPOSED BUILDING ROOF OUTLINE
	PROPRIETARY SILT FENCE
	PROVIDE TEMPORARY CHAIN WIRE FENCING (HOARDING) ALONG THE SITE BOUNDARY.
	TEMPORARY STABILISED CONSTRUCTION ENTRY/EXIT, (SHAKER PAD)
	TEMPORARY FILTER TUBE WITH SAFETY BARRICADE TO KERB INLET PITS.
	TEMPORARY MASS CONCRETE FOOTPATH CROSSING.
	DIRECTION OF FLOW
	DIVERSION BANK
	SURFACE INLET DRAINAGE PIT WITH SURROUNDING FILTER FABRIC INLET SEDIMENT TRAP OR FILTER TUBES (SANDBAGS)
	TEMPORARY GEOTEXTILE WRAPPED HAY BALES/SAND BAGS
	SANDBAG SEDIMENT INLET TRAP
	SANDBAG KERB SEDIMENT TRAP

PAVEMENT - RIGID

- PREPARATION FOR PAVEMENT: CLEAR SITE, STRIP TOPSOIL, CUT AND FILL AND PREPARATION OF SUBGRADE SHALL BE AS DESCRIBED IN 'EARTHWORKS' NOTES.
- SUBGRADE SHALL BE COMPACTED TO 98% STANDARD MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE CONTENT ± 2% IN ACCORDANCE WITH AS 1289 S.1.1.
- BASE COURSE SHALL BE CONSTRUCTED FROM FINE CRUSHED ROCK DGB20 COMPACTED TO 100% STANDARD MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE CONTENT ± 2% IN ACCORDANCE WITH AS 1289 S.1.1
- CONCRETE PAVEMENT SLABS SHALL BE AS DETAILED ON THE DRAWINGS.
- ALL WORKMANSHIP AND MATERIALS FOR CONCRETE WORK SHALL BE IN ACCORDANCE WITH AS 3600 AND AS 3610 CURRENT EDITIONS WITH AMENDMENTS, EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.
- CONCRETE QUALITY ALL CEMENT SHALL BE TYPE SL SHIRKAGE LIMITED CEMENT IN ACCORDANCE WITH AS3972

ELEMENT	STRENGTH GRADE (MPa)	SLUMP	MAXIMUM AGGREG. SIZE (mm)
PAVEMENT	32	80	20

- PROJECT CONTROL TESTING SHALL BE CARRIED OUT IN ACCORDANCE WITH AS 3600.
- NO ADMIXTURES SHALL BE USED IN CONCRETE UNLESS APPROVED IN WRITING.
- CLEAR CONCRETE COVER TO ALL REINFORCEMENT FOR DURABILITY SHALL BE 40mm.
- CONSTRUCTION JOINTS WHERE NOT SHOWN SHALL BE LOCATED TO THE APPROVAL OF THE ENGINEER.
- THE FINISHED CONCRETE SHALL BE MECHANICALLY VIBRATED TO ACHIEVE A DENSE HOMOGENEOUS MASS, COMPLETELY FILLING THE FORMWORK THOROUGHLY EMBEDDING THE REINFORCEMENT AND FREE OF STONE POCKETS. CONCRETE SHALL BE COMPACTED WITH MECHANICAL VIBRATORS.
- CURING OF ALL CONCRETE IS TO BE ACHIEVED BY KEEPING SURFACES CONTINUOUSLY WET FOR A PERIOD OF THREE DAYS, AND THE PREVENTION OF LOSS OF MOISTURE FOR A TOTAL OF 7 DAYS FOLLOWED BY A GRADUAL DRYING OUT.
- REPAIRS TO CONCRETE SHALL NOT BE ATTEMPTED WITHOUT THE PERMISSION OF THE ENGINEER.

PAVEMENT - FLEXIBLE

- THE PAVEMENT DESIGN AS DETAILED ASSUMES A PROPERLY PREPARED UNIFORM AND STABLE SUBGRADE. CONFIRMATION OF DESIGN CBR RATIO IS REQUIRED BY A GEOTECHNICAL ENGINEER PRIOR TO WORKS COMMENCING.
- ASSUMED DESIGN CBR TO BE CONFIRMED ONSITE DURING CONSTRUCTION PRIOR TO PLACEMENT OF PAVEMENT MATERIALS. THE CONTRACTOR IS TO UNDERTAKE SUFFICIENT CBR TESTING TO CONFIRM THE ASSUMED VALUE. WHERE LESSER VALUE HAS BEEN DETERMINED, THE SUPERVISING ENGINEER IS TO BE NOTIFIED TO DETERMINE A REVISED PAVEMENT DESIGN.
- PAVEMENT TO BE CONSTRUCTED AS FOLLOWS:
 - SURFACE COURSE - DENSE GRADED ASPHALT
 - PRIMERSEAL - EMULSION BASED HOT BITUMEN
 - BASE COURSE - DGB 20
 - SUB BASE - DCS 40
- SUBGRADE SHALL BE COMPACTED TO 100% STANDARD MAXIMUM DRY DENSITY RATIO AT OPTIMUM MOISTURE CONTENT ±2% IN ACCORDANCE WITH CURRENT AUSTRALIAN STANDARDS.
- SUBBASE COURSE SHALL BE COMPACTED TO 95% MODIFIED MAXIMUM DRY DENSITY.
- BASECOURSE SHALL BE COMPACTED TO 98% MODIFIED MAXIMUM DRY DENSITY.
- PRIOR TO THE PLACEMENT OF THE PRIMERSEAL AND AFTER THE REQUIRED DENSITY IS ACHIEVED, THE PAVEMENT IS TO BE ALLOWED TO DRY BACK TO APPROXIMATELY 60% TO 70% OPTIMUM MOISTURE CONTENT.
- ALL SUBGRADES TO BE ROOF ROLLED & APPROVED BY SUPERVISING ENGINEER.
- COMPACTION TESTS ARE TO BE UNDERTAKEN FOR ALL PAVEMENT LAYERS INCLUDING SUBGRADE AT A RATE TO BE DETERMINED BY THE SUPERVISING ENGINEER & THE RESULTS TO BE SUPPLIED TO THE ENGINEER PRIOR TO PLACEMENT OF THE NEXT PAVEMENT LAYER.

PAVEMENT - SEGMENTAL

- PREPARATION FOR PAVEMENT: CLEAR SITE, STRIP TOPSOIL, CUT AND FILL AND PREPARATION OF SUBGRADE SHALL BE AS DESCRIBED IN 'EARTHWORKS'.
- SUBGRADE SHALL BE COMPACTED TO 98% STANDARD MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE CONTENT ±2% IN ACCORDANCE WITH AS 1289 S.1.1.
- BASECOURSE SHALL BE CONSTRUCTED FROM FINE CRUSHED ROCK DGB20 COMPACTED TO 100% STANDARD MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE CONTENT ±2% IN ACCORDANCE WITH AS 1289 S.1.1
- PROVIDE CONCRETE WORKING SLAB 20MPa MIN 100mm THICK AS DETAILED ON DRAWING.
- SEGMENTAL PAVING SHALL BE AS DETAILED ON THE DRAWINGS, AND ARE TO BE SUPPLIED WITH UNITS OF MAXIMUM GROSS PLAN AREA <0.1m². WHERE THIS AREA IS EXCEEDED REFER CONCRETE PAVEMENT SPECIFICATION.
- ALL WORKMANSHIP AND MATERIALS FOR PAYER WORK SHALL BE IN ACCORDANCE WITH ALL AS 4455, AS4456, AS4459, T44, T45, T46. CURRENT EDITIONS WITH AMENDMENTS, EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENT.
- PAVER QUALITY:

APPLICATIONS	CHARACTERISTIC BREAKING LOAD (kN)	CHARACTERISTIC FLEXURAL STRENGTH (MPa)
RESIDENTIAL PEDESTRIAN	2	2
RESIDENTIAL DRIVEWAYS	5	3
PUBLIC FOOTPATHS	5	3
ROADS	5	3
INDUSTRIAL PAVEMENTS	10	4

- PROJECT CONTROL TESTING SHALL BE CARRIED OUT IN ACCORDANCE WITH AS 4456.4 AND AS 4456.5.
- PAVERS TO BE BEDDED AND SOUND EDGE RESTRAINTS ARE TO BE PROVIDED.
 - JOINTS TO BE FULLY GROUTED.

PAVEMENT LEGEND

SYMBOL	DESCRIPTION
	EXTENT OF CONCRETE PAVEMENT
	DOWELLED JOINT
	KEYED JOINT
	SAW CUT JOINT
	BUTT JOINT
	2N12 TRIMMERS x 1500 LONG (TIED UNDER TOP MESH)
	150mm HIGH KERB & GUTTER
	150mm HIGH KERB ONLY
	EXTENT OF BITUMEN PAVEMENT
	PAVEMENT TYPE 1 - CONCRETE
	PAVEMENT TYPE 2 - BITUMEN
	PAVEMENT TYPE 3 - CONCRETE FOOTPATH
	PAVEMENT TYPE 4 - GRAVEL
	PAVEMENT TYPE 5 - PAVERS
	LANDSCAPE PLANTING AREA
	LANDSCAPE TILED AREA
	LANDSCAPE WATER AREA



CLIENT
WARRIGAL
STATUS
DEVELOPMENT APPROVAL

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DISCIPLINE
CIVIL DESIGN

PROJECT
WARRIGAL AGED CARE FACILITY

DRAWING TITLE
GENERAL NOTES AND LEGEND

ADDRESS
1 ARCADIA STREET
WARILLA, NSW 2528

PROJECT DETAILS
DESIGN A/W
DRAWN A/W
DATE MAY 2020
DRG SIZE A1
SCALE AS SHOWN
PROJECT SF
MGR
WWW.JN.COM.AU

Q0200012
C001 A

NOT TO BE USED FOR CONSTRUCTION			
AMDT	DATE	DESCRIPTION	BY
E	17.07.23	ISSUED FOR APPROVAL	AW
D	19.08.21	ISSUED FOR APPROVAL	AW
C	26.03.21	FLOOD MODELLING	AW
B	01.09.20	LAYOUT ADDED	AW
A	26.05.20	PRELIMINARY ISSUE	AW

FLOOD MAPPING LEGEND

1% AEP FLOOD LEVEL RL2.90mAHD
EXISTING ONSITE STORAGE VOLUME: 1480.707m³



CLIENT
WARRIGAL
STATUS
DEVELOPMENT APPROVAL

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DISCIPLINE
CIVIL DESIGN

DRAWING TITLE
1% AEP FLOOD STORAGE
EXISTING

PROJECT
WARRIGAL AGED CARE
FACILITY
ADDRESS
1 ARCADIA STREET
WARILLA, NSW 2528

PROJECT DETAILS

DESIGN	AW
DRAWN	AW
DATE	MAY 2020
DRG SIZE	A1
SCALE	AS SHOWN
PROJECT	SF
MGR	

Q0200012

C100 E

WWW.JN.COM.AU

NOT TO BE USED FOR CONSTRUCTION			
AMDT	DATE	DESCRIPTION	BY
E	17.07.23	ISSUED FOR APPROVAL	AW
D	19.08.21	ISSUED FOR APPROVAL	AW
C	26.03.21	FLOOD MODELLING	AW
B	01.09.20	LAYOUT ADDED	AW
A	26.05.20	PRELIMINARY ISSUE	AW

FLOOD MAPPING LEGEND

PMF FLOOD LEVEL RL4.30mAHD
EXISTING ONSITE STORAGE VOLUME: 16339.610m³



CLIENT
WARRIGAL
STATUS
DEVELOPMENT APPROVAL

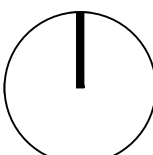
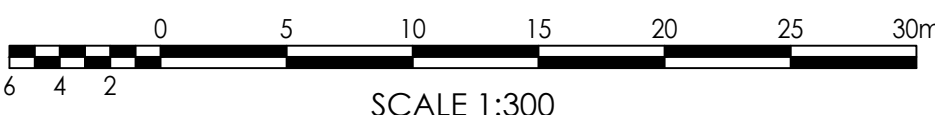
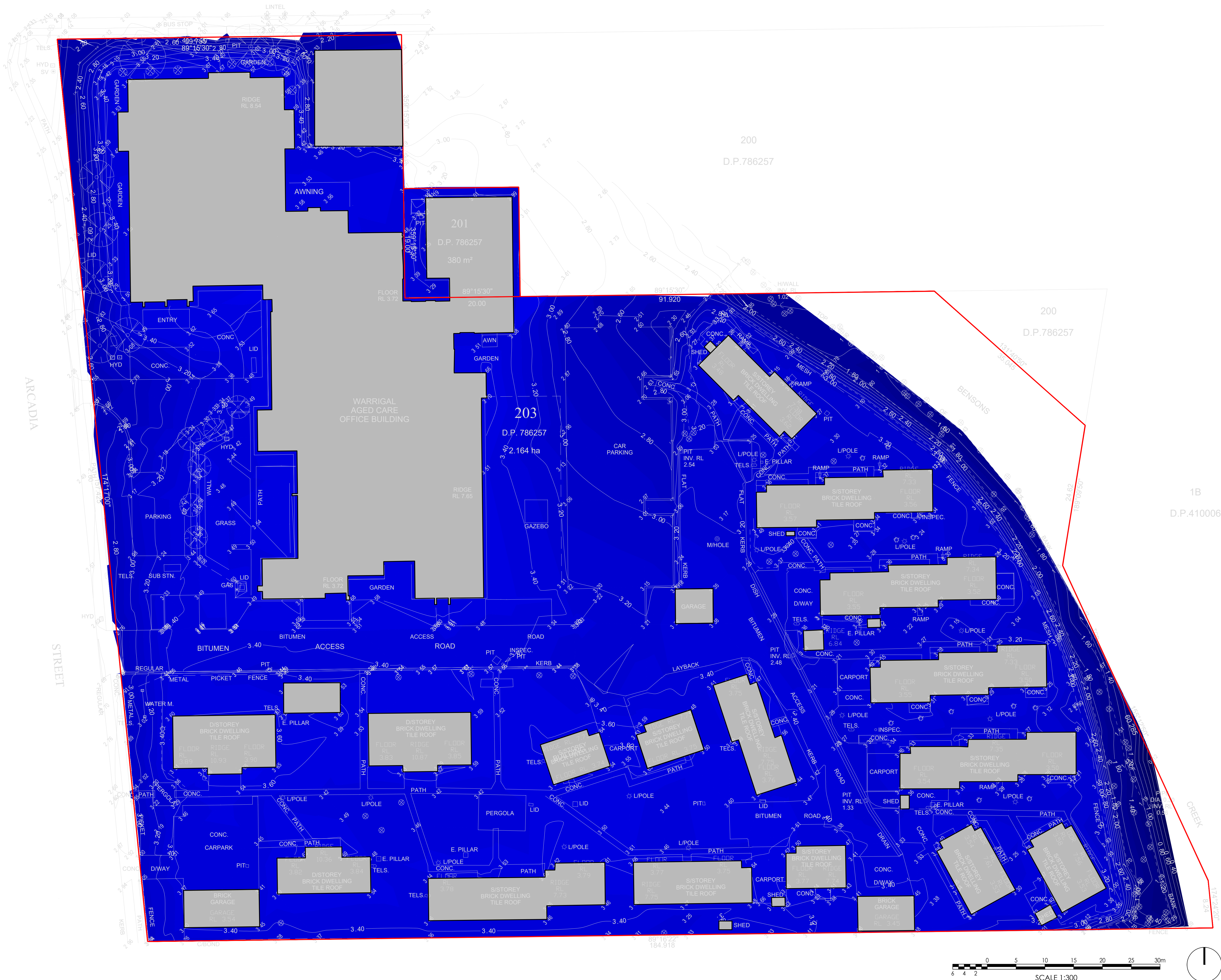
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DRAWING TITLE
PMF FLOOD STORAGE
EXISTING

PROJECT
WARRIGAL AGED CARE
FACILITY
ADDRESS
1 ARCADIA STREET
WARILLA, NSW 2528

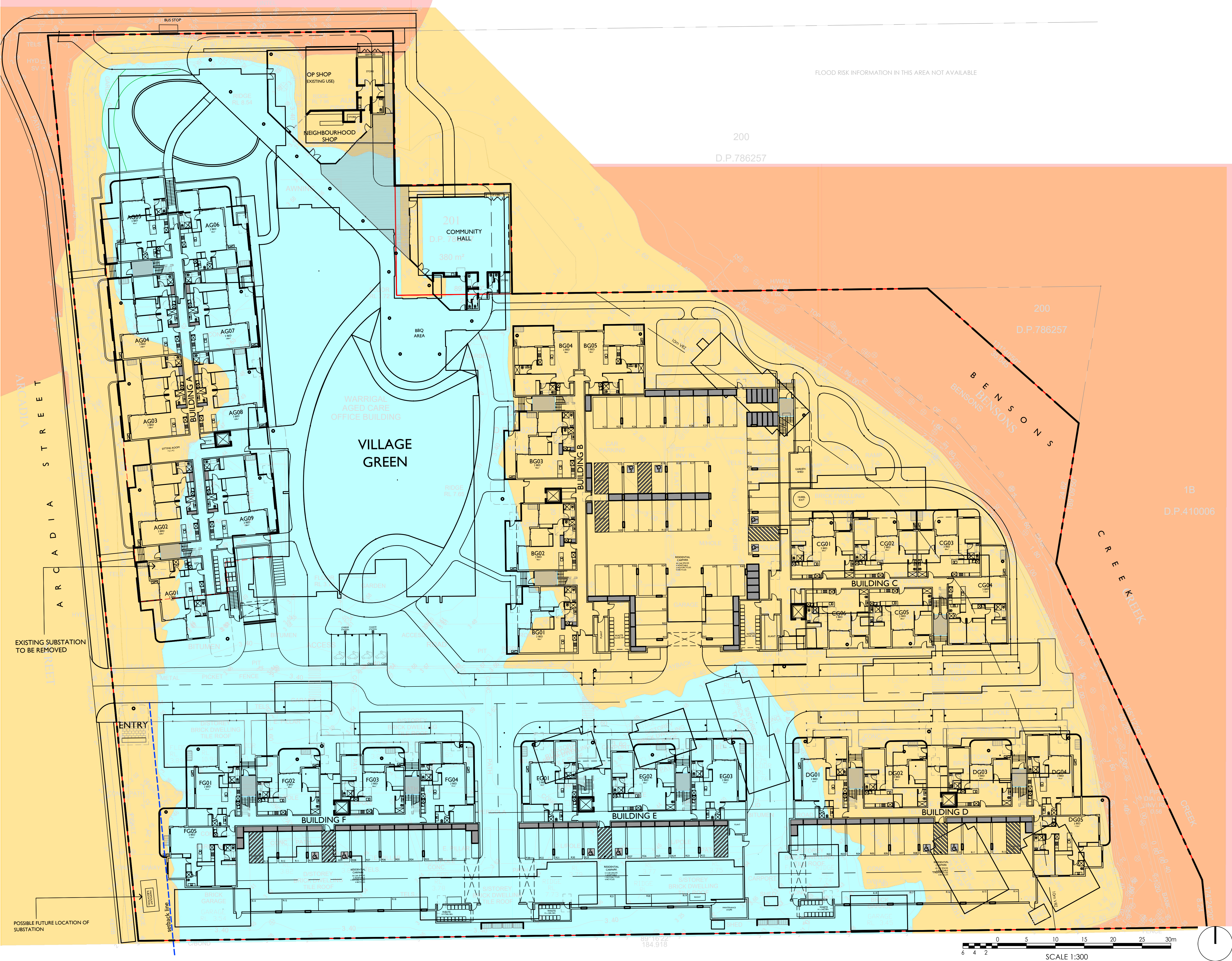
PROJECT DETAILS
DESIGN AW
DRAWN AW
DATE MAY 2020
DRG SIZE A1
SCALE AS SHOWN
PROJECT SF
MGR
WWW.JN.COM.AU
Q0200012
C101 E



NOT TO BE USED FOR CONSTRUCTION			
AMDT	DATE	DESCRIPTION	BY
A	26.05.20	ISSUED FOR APPROVAL	AW
B	01.09.20	LAYOUT ADDED	AW
C	26.09.22	LAYOUT ADDED	AW
D	XX	ISSUED FOR APPROVAL	AW

FLOOD MAPPING LEGEND

	HIGH FLOOD RISK
	MEDIUM FLOOD RISK
	LOW FLOOD RISK



CLIENT
WARRIGAL
STATUS
DEVELOPMENT APPROVAL

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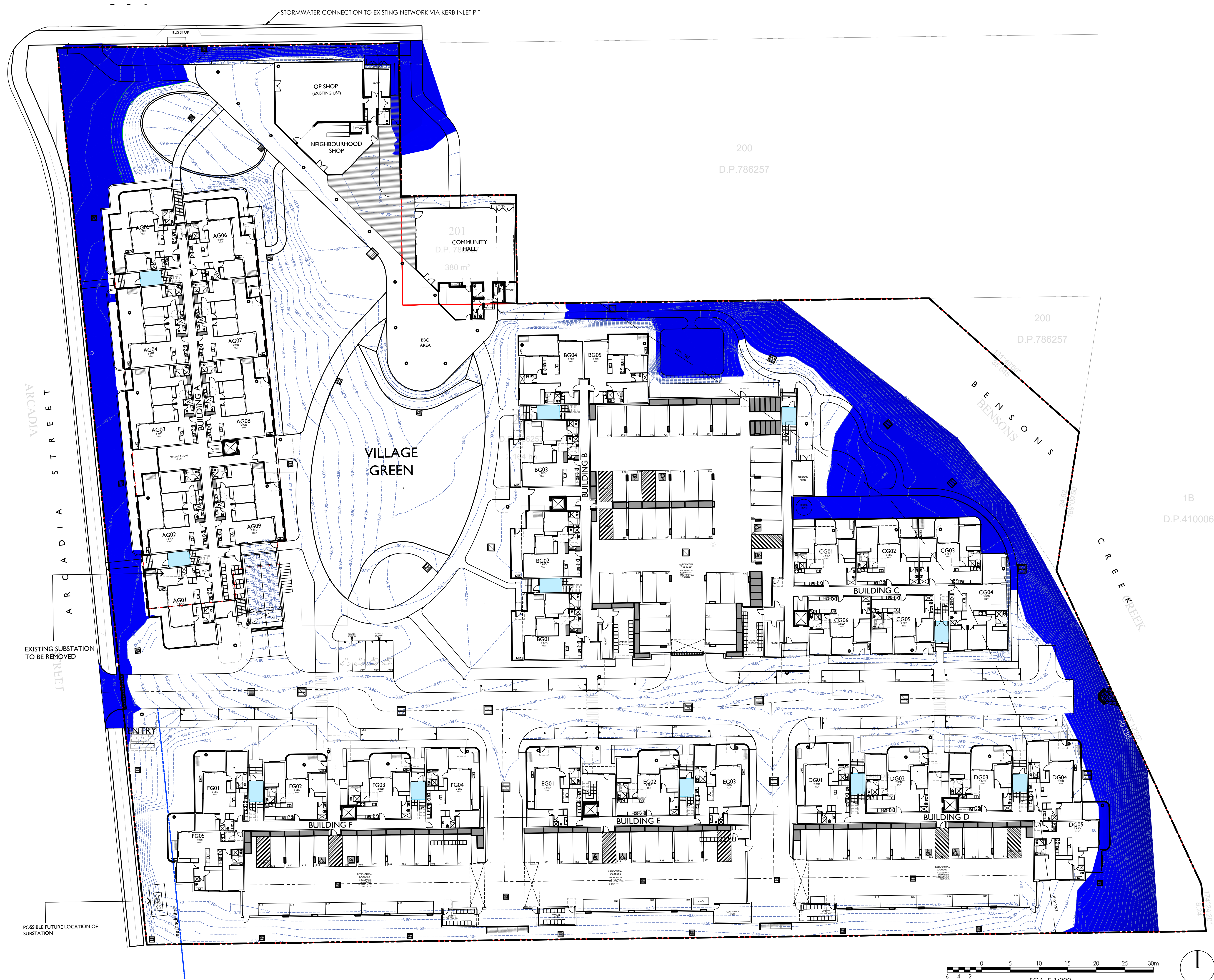
DISCIPLINE
CIVIL DESIGN

PROJECT
WARRIGAL AGED CARE FACILITY

DRAWING TITLE
FLOOD IMPACT PLAN

ADDRESS
1 ARCADIA STREET
WARILLA, NSW 2528

PROJECT DETAILS
DESIGN AW
DRAWN AW
DATE MAY 2020
DRG SIZE A1
SCALE AS SHOWN
PROJECT SF
MGR
WWW.JN.COM.AU
Q0200012
C102 D



NOT TO BE USED FOR CONSTRUCTION

AMDT	DATE	DESCRIPTION	BY
A	08.12.21	ISSUED FOR APPROVAL	AW
B	09.09.22	LAYOUT REVISED	AW
C	17.07.23	ISSUED FOR APPROVAL	AW

FLOOD MAPPING LEGEND

1% AEP FLOOD LEVEL RL2.90mAHd
PROPOSED ONSITE STORAGE VOLUME: 1510.125m³
EXISTING ONSITE STORAGE VOLUME: 1480.707m³
(REFER TO DRAWING Q0200012-C100)



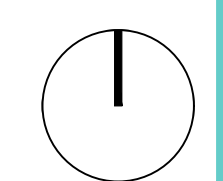
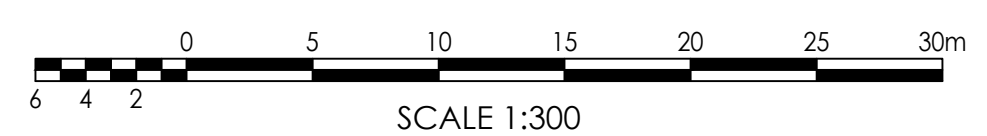
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DEVELOPMENT APPROVAL
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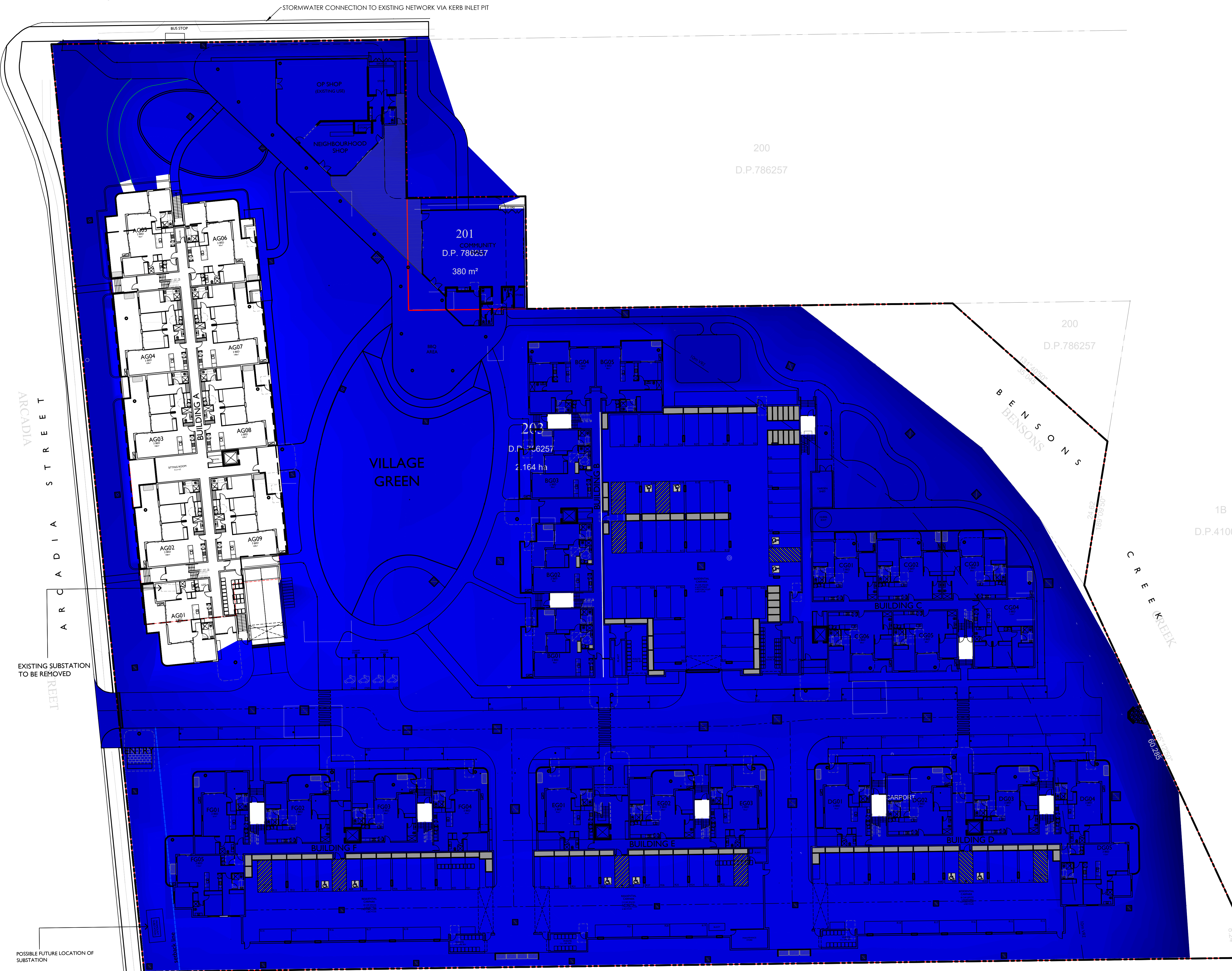
DISCIPLINE
CIVIL DESIGN

PROJECT
WARRIGAL AGED CARE FACILITY

DRAWING TITLE
FLOOD IMPACT AEP
PROPOSED - BASEMENT OPTION
ADDRESS
1 ARCADIA STREET
WARILLA, NSW 2528

PROJECT DETAILS
DESIGN AW
DRAWN AW
DATE MAY 2020
DRG SIZE A1
SCALE AS SHOWN
PROJECT SF
MGR
WWW.JN.COM.AU
Q0200012
C105 c





NOT TO BE USED FOR CONSTRUCTION

AMDT	DATE	DESCRIPTION	BY
A	08.12.21	ISSUED FOR APPROVAL	AW
B	09.09.22	LAYOUT REVISED	AW
C	17.07.23	ISSUED FOR APPROVAL	AW

FLOOD MAPPING LEGEND

- PMF FLOOD LEVEL RL4.30mAHD
- PROPOSED ONSITE STORAGE VOLUME: 16356.43m³
- EXISTING ONSITE STORAGE VOLUME: 16339.610m³ (REFER TO DRAWING Q0200012-C101)



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STATUS
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DISCIPLINE
CIVIL DESIGN

PROJECT
WARRIGAL AGED CARE FACILITY

DRAWING TITLE
FLOOD IMPACT PMF
PROPOSED - BASEMENT OPTION

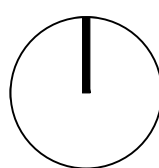
ADDRESS
1 ARCADIA STREET
WARRILLA, NSW 2528

PROJECT DETAILS

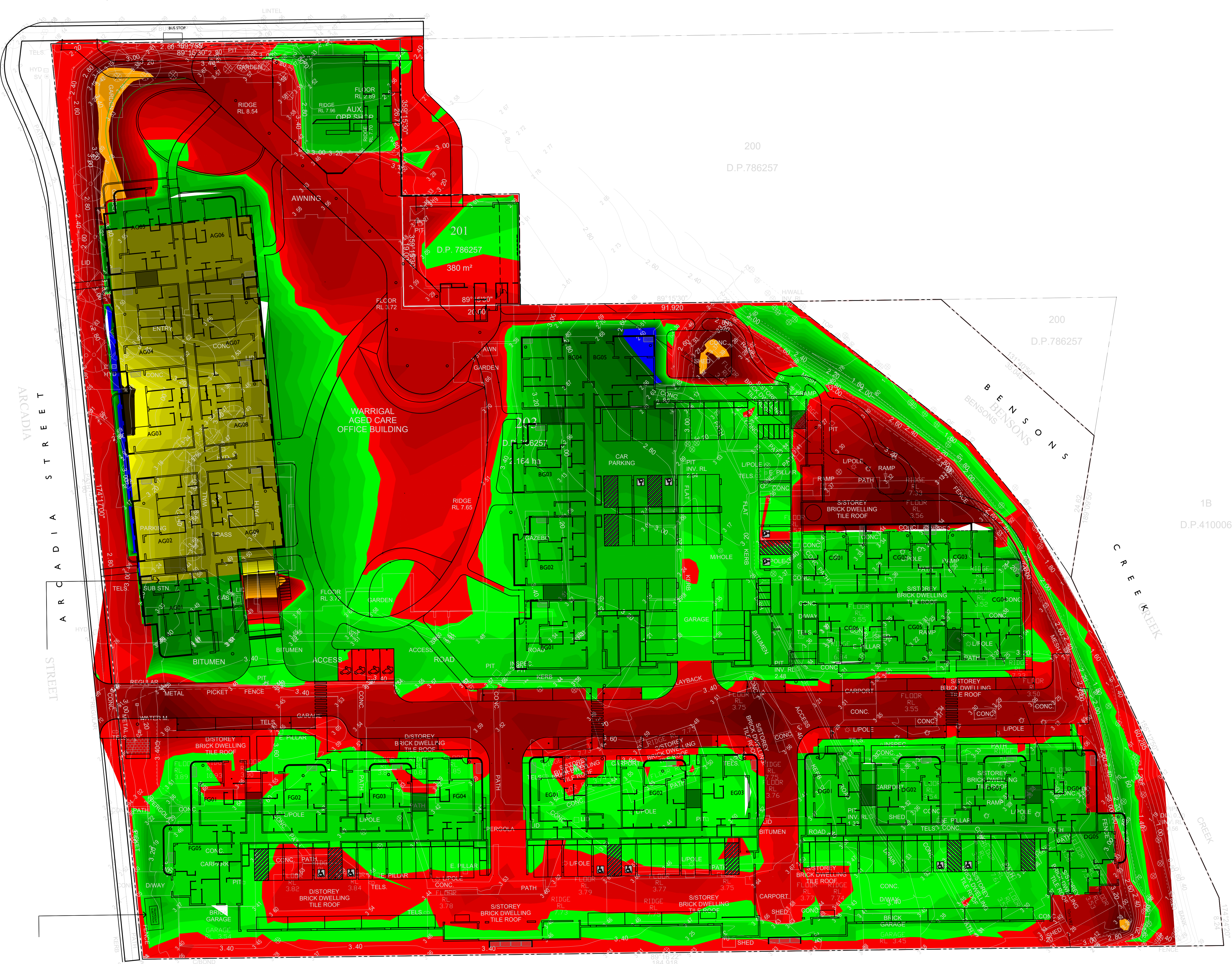
DESIGN	AW
DRAWN	AW
DATE	MAY 2020
DRG SIZE	A1
SCALE	AS SHOWN
PROJECT	SF
MGR	

WWW.JN.COM.AU

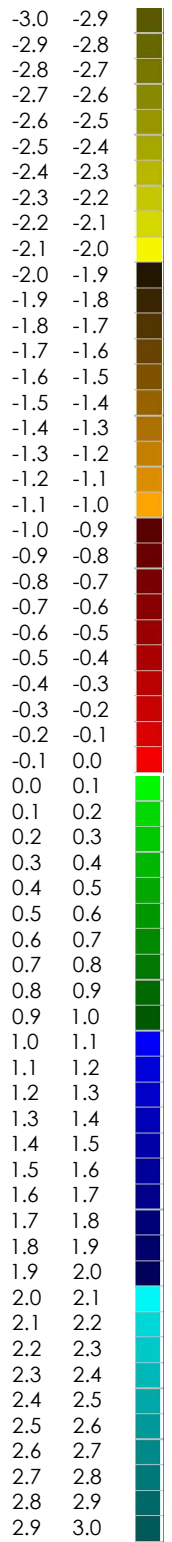
Q0200012
C106 c



NOT TO BE USED FOR CONSTRUCTION			
AMDT	DATE	DESCRIPTION	BY
A	08.12.21	ISSUED FOR APPROVAL	AW
B	17.07.23	ISSUED FOR APPROVAL	AW



DEPTH RANGE LEGEND



TOTAL CUT -6544.014m³
-7198.415m³ (10% BULKING FACTOR APPLIED)

TOTAL FILL 2739.596m³

NET BULK EARTHWORKS BALANCE: -4458.819m³ CUT



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DISCIPLINE
CIVIL DESIGN

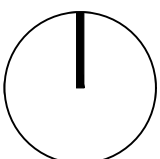
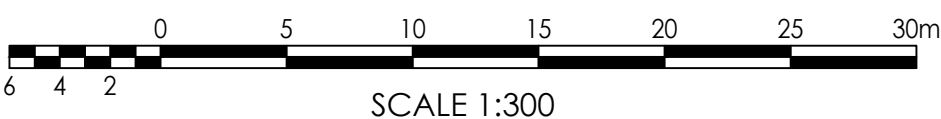
PROJECT
WARRIGAL AGED CARE FACILITY

DRAWING TITLE
PRELIMINARY CUT FILL VOLS - BASEMENT OPTION

ADDRESS
1 ARCADIA STREET
WARILLA, NSW 2528

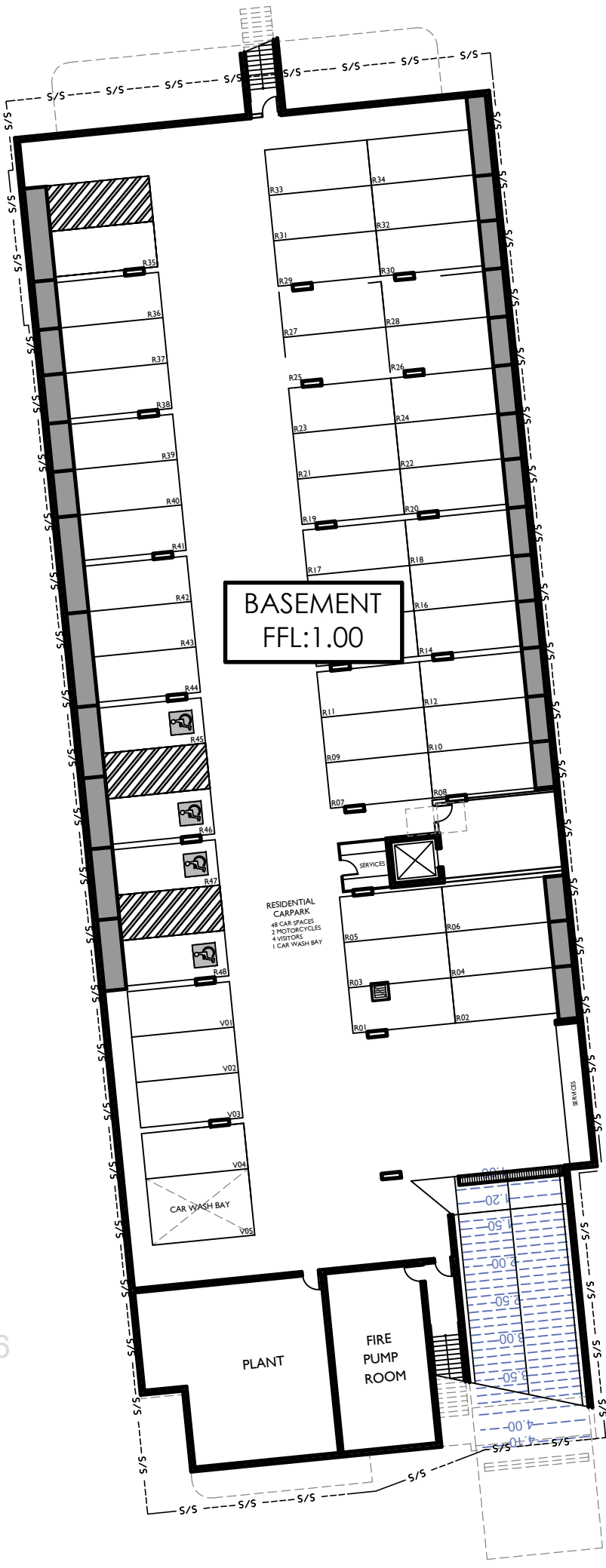
PROJECT DETAILS
DESIGN AW
DRAWN AW
DATE MAY 2020
DRG SIZE A1
SCALE AS SHOWN
PROJECT SF
MGR
WWW.JN.COM.AU

Q0200012
C205 B



AMDT	DATE	DESCRIPTION	BY
A	08.12.21	ISSUED FOR APPROVAL	AW
B	09.12.21	ISSUED FOR APPROVAL	AW
C	17.07.23	ISSUED FOR APPROVAL	AW

VISITOR PARKING BAY ALLOCATION SCHEDULE	
VISITOR PARKING BAYS - PARALLEL ON ROAD	25
VISITOR PARKING BAYS - EV CHARGING STATION	4
VISITOR PARKING BAYS - BASEMENT LEVEL	5



BASEMENT LEVEL INSET DETAIL
SCALE 1:300



CLIENT
WARRIGAL
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DISCIPLINE
CIVIL DESIGN

PROJECT
WARRIGAL AGED CARE FACILITY

DRAWING TITLE
PRELIMINARY LEVELS - BASEMENT OPTION

ADDRESS
1 ARCADIA STREET
WARILLA, NSW 2528

PROJECT DETAILS
DESIGN AW
DRAWN AW
DATE MAY 2020
DRG SIZE A1
SCALE AS SHOWN
PROJECT SF
MGR
WWW.JN.COM.AU
Q0200012
C206 c

CONNECT TO EXISTING
KERB INLET PIT IN
ARCADIA STREET

ARCADIA STREET

EXISTING SUBSTATION
TO BE REMOVED

POSSIBLE FUTURE LOCATION OF
SUBSTATION

VILLAGE
GREEN

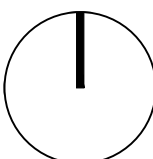
PROPOSED 70mm HEAVY DUTY RUBBER SPEED
HUMP PLACED AT CREST OF RAMP RL4.212

200
D.P.786257

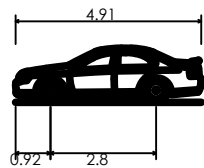
200
D.P.786257

1B
D.P.410006

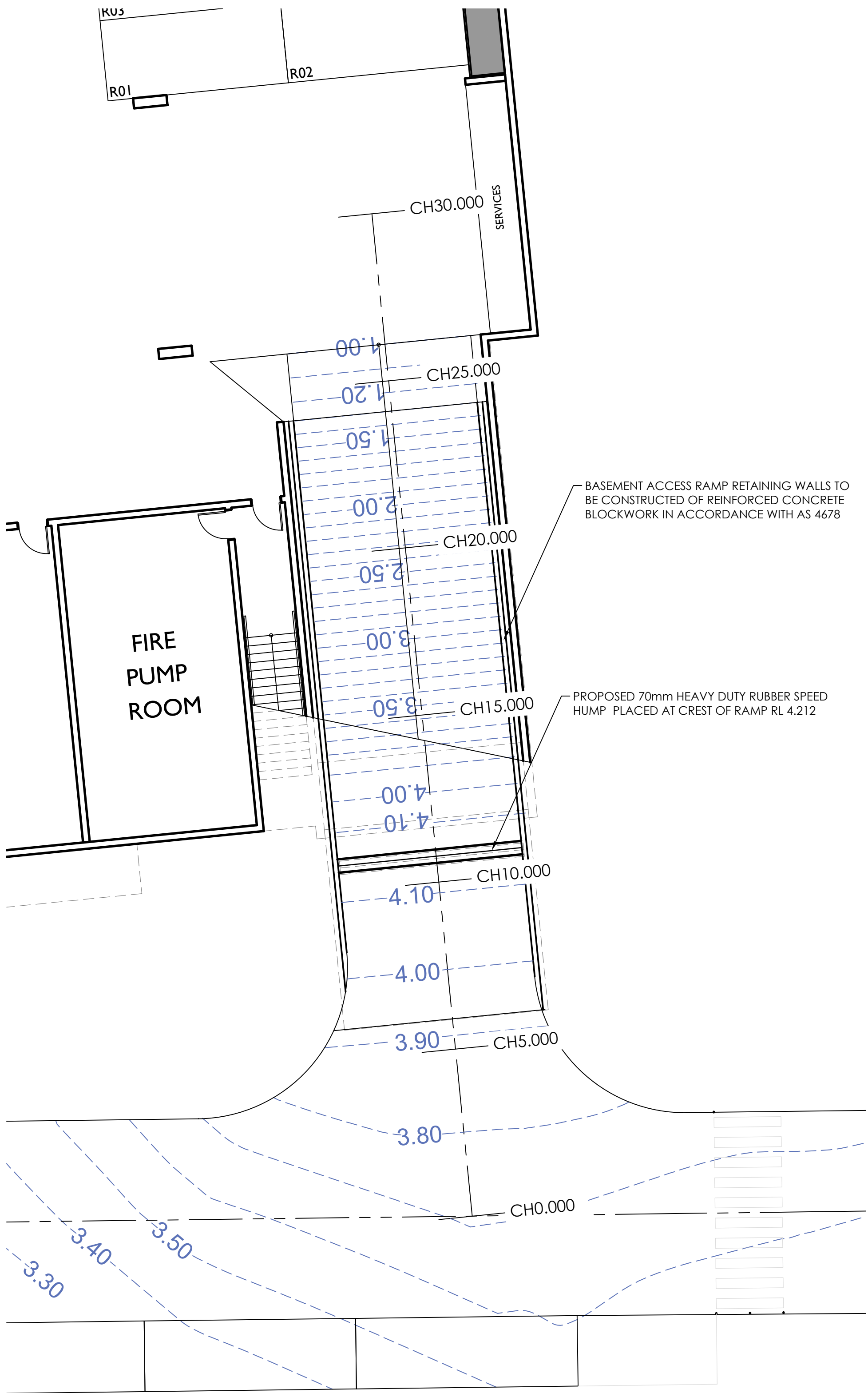
0 5 10 15 20 25 30m
SCALE 1:300



NOT TO BE USED FOR CONSTRUCTION			
AMDT	DATE	DESCRIPTION	BY
A	17.07.23	ISSUED FOR APPROVAL	AW



885 Vehicle (Realistic min radius) (2004)
Overall Length 4.910m
Overall Width 1.870m
Overall Body Height 1.421m
Min Body Ground Clearance 0.159m
Track Width 1.770m
Lock-to-lock time 4.00s
Curb to Curb Turning Radius 5.750m



HORIZONTAL CURVE DATA

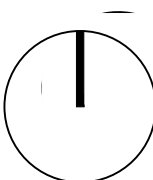
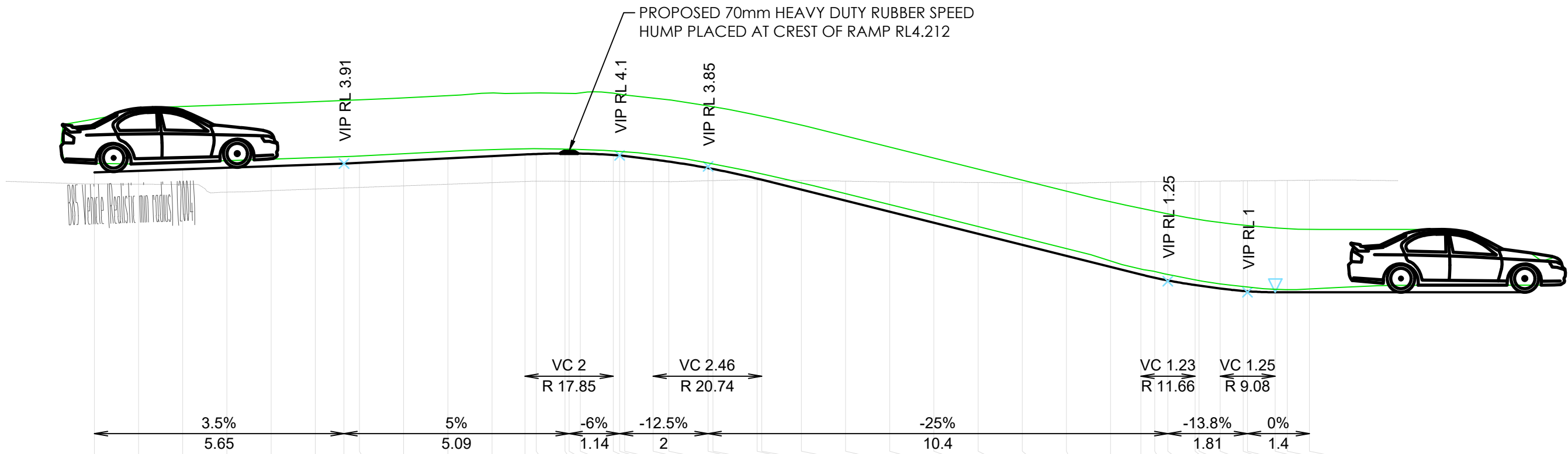
VERTICAL CURVE LENGTH (m)
VERTICAL CURVE RADIUS (m)
VERTICAL GEOMETRY GRADE (%)
VERTICAL GEOMETRY LENGTH (m)

DATUM RL = -3.600

FINISHED SURFACE LEVEL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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A1 SCALE: H 1:100, V 1:100

LONGITUDINAL SECTION CONTROL RAMP CL



CLIENT
WARRIGAL
STATUS
DEVELOPMENT APPROVAL

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DISCIPLINE
CIVIL DESIGN

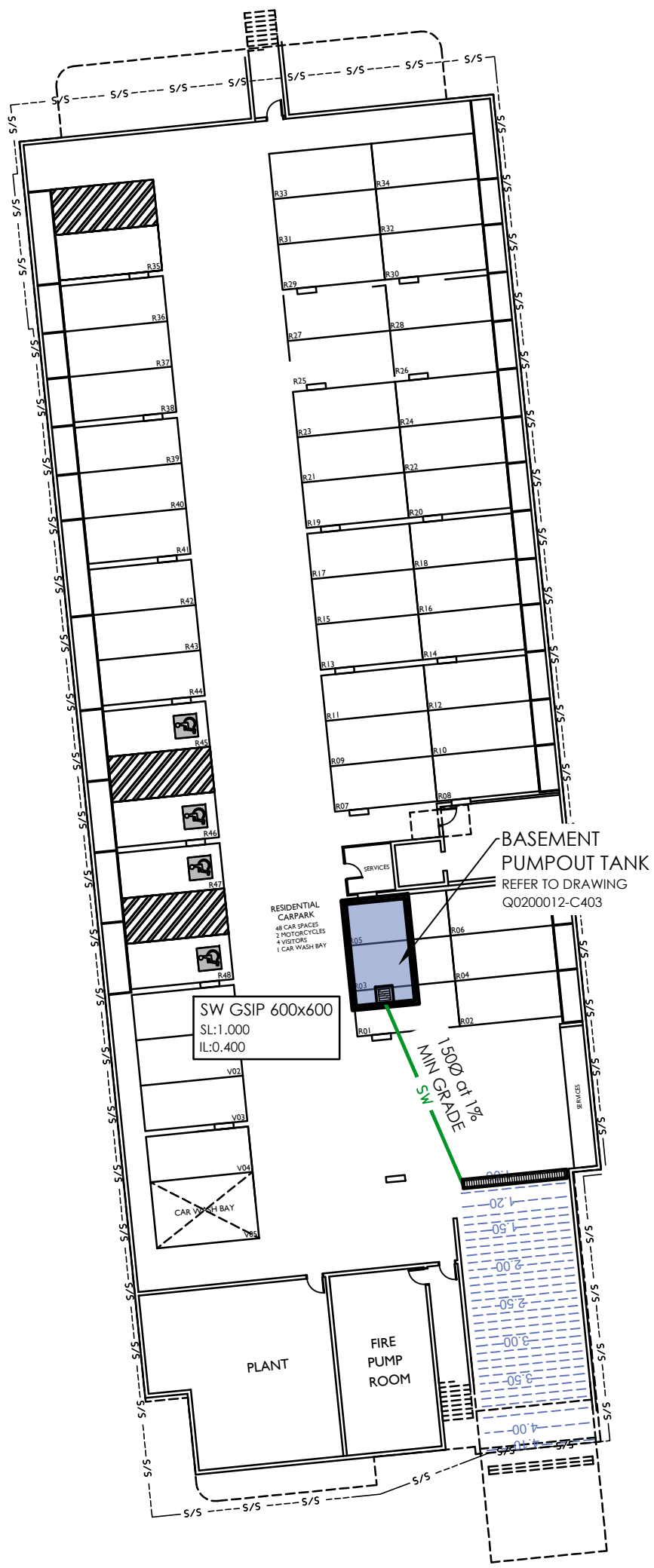
PROJECT
WARRIGAL AGED CARE
FACILITY

DRAWING TITLE
SWEPT PATH ANALYSIS
BASEMENT RAMP LAYOUT
ADDRESS
1 ARCADIA STREET
WARRILLA, NSW 2528

PROJECT DETAILS
DESIGN AW
DRAWN AW
DATE MAY 2020
DRG SIZE A1
SCALE AS SHOWN
PROJECT SF
MGR
WWW.JN.COM.AU
Q0200012
C306 A

AMDT	DATE	DESCRIPTION	BY
A	09.09.22	ISSUED FOR APPROVAL	AW
B	15.09.22	ISSUED FOR APPROVAL	AW
C	17.07.23	ISSUED FOR APPROVAL	IC

	GEORGE STREET		ARCADIA STREET		SOUTHERN BOUNDARY		BENSEN CREEK		TOTAL SITE SUMMARY	
	Q100	Q10	Q100	Q10	Q100	Q10	Q100	Q10	Q100	Q10
PRE PEAK DISCHARGE Q (m3/s)	0.285	0.202	0.192	0.134	0.059	0.041	1.07	0.757	1.606	1.134
POST PEAK DISCHARGE Q (m3/s)	0.259	0.201	0.149	0.108	0.058	0.041	0.535	0.452	1.001	0.802
% REDUCTION	9.10%	0.50%	22.40%	19.40%	1.70%	0.00%	50.00%	40.30%	37.70%	29.30%



BASEMENT LEVEL INSET DETAIL
SCALE 1:300



CLIENT
WARRIGAL
STATUS
DEVELOPMENT APPROVAL

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DISCIPLINE
CIVIL DESIGN

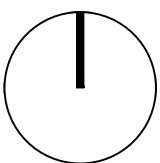
PROJECT
WARRIGAL AGED CARE
FACILITY

DRAWING TITLE
PROPOSED STORMWATER
LAYOUT

ADDRESS
1 ARCADIA STREET
WARRILLA, NSW 2528

PROJECT DETAILS
DESIGN AW
DRAWN AW
DATE MAY 2020
DRG SIZE A1
SCALE AS SHOWN
PROJECT SF
MGR
WWW.JN.COM.AU
Q0200012
C400 c

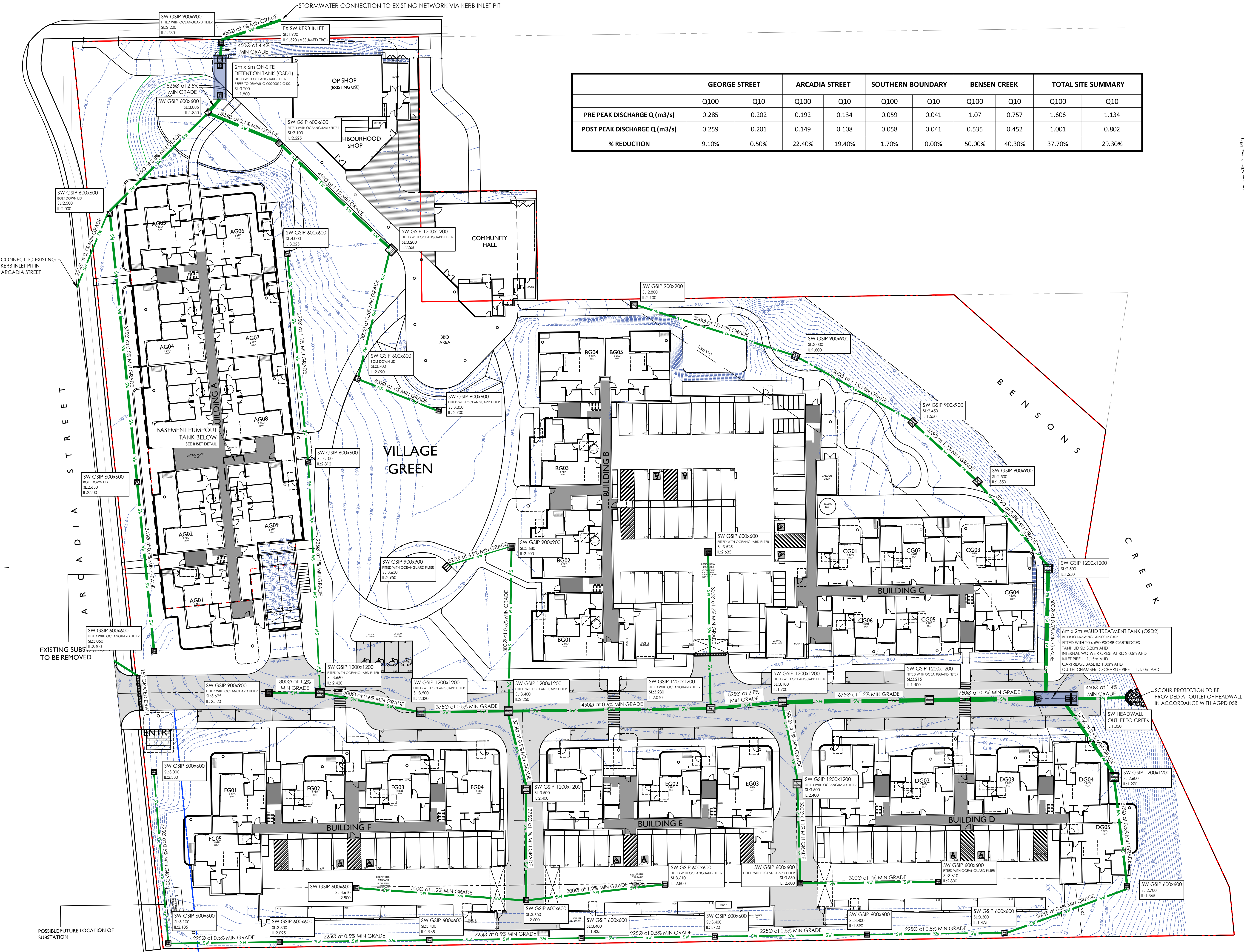
0 5 10 15 20 25 30m
SCALE 1:300



CONNECT TO EXISTING
KERB INLET PIT IN
ARCADIA STREET

EXISTING SUBS
TO BE REMOVED

POSSIBLE FUTURE LOCATION OF
SUBSTATION





NOTES

1. REINFORCEMENT NOTED IS ONLY REQUIRED FOR PITS EXCEEDING 900 DEEP. SUBJECT TO COUNCIL REQUIREMENTS. PITS GREATER THAN 3000 DEEP WILL REQUIRE STRUCTURAL ENGINEERS DESIGN.
2. PROVIDE 900 x 3000 LONG SUBSOIL DRAINAGE STUD PIPE SURROUNDED WITH 100mm THICKNESS OF NOM 20mm COARSE FILTER MATERIAL WRAPPED IN GEOTEXTILE FILTER FABRIC. (BIDUM A24 OR APPROVED SIMILAR). BE PARALLEL TO UPSTREAM SIDE OF EACH INLET PIPE
3. ALTERNATIVE PIT CONSTRUCTION MAY BE USED SUBJECT TO THE ENGINEERS APPROVAL.
4. CONCRETE STRENGTH $f'c = 32 \text{ Mpa}$

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4. CONCRETE STRENGTH $F'c = 32 \text{ MPa}$



CONTRACTOR IS TO VERIFY THE LEVEL OF ALL EXISTING SERVICES PRIOR TO COMMENCEMENT OF EXCAVATION FOR DRAINAGE.



CONTRACTOR IS TO VERIFY THE LEVEL OF ALL EXISTING SERVICES PRIOR TO COMMENCEMENT OF EXCAVATION FOR DRAINAGE.





NOT TO BE USED FOR CONSTRUCTION

AMDT	DATE	DESCRIPTION	BY
A	09.09.22	ISSUED FOR APPROVAL	AW
B	17.07.23	ISSUED FOR DA	AW
C	15.08.23	ISSUED FOR DA	IC

BIN SCEDULE

- 240L GENERAL WASTE BINS x 2
- 240L RECYCLING BINS x 2
- 240L GREEN WASTE BINS x 32
- 660L GENERAL WASTE BINS x 32
- 660L RECYCLING BINS x 18



CLIENT
WARRIGAL
STATUS
DEVELOPMENT APPROVAL

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DISCIPLINE
CIVIL DESIGN

PROJECT
WARRIGAL AGED CARE FACILITY

DRAWING TITLE
WASTE MANAGEMENT

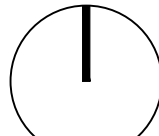
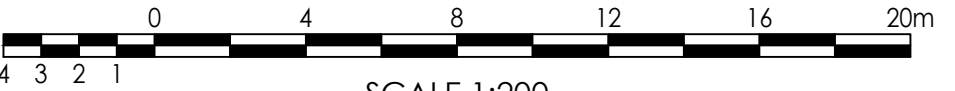
PLAN
ADDRESS
1 ARCADIA STREET
WARILLA, NSW 2528

PROJECT DETAILS

DESIGN	AW
DRAWN	AW
DATE	MAY 2020
DRG SIZE	A1
SCALE	AS SHOWN
PROJECT	SF
MGR	

WWW.JN.COM.AU

Q0200012
C500 c



EXISTING FOOTATH ADJACENT GEORGE STREET TO BE REINSTATED WITH 2.5m WIDE SHARED FOOTPATH TO BE CONSTRUCTED AS PER SHELLHARBOUR CITY COUNCIL STANDARDS

EXISTING FOOTATH ADJACENT ARCADIA STREET TO BE REINSTATED WITH 2.5m WIDE SHARED FOOTPATH TO BE CONSTRUCTED AS PER SHELLHARBOUR CITY COUNCIL STANDARDS

EXISTING SUBSTATION TO BE REMOVED

EXISTING FOOTATH ADJACENT ARCADIA STREET TO BE REINSTATED WITH 2.5m WIDE SHARED FOOTPATH TO BE CONSTRUCTED AS PER SHELL HARBOUR CITY COUNCIL STANDARDS

POSSIBLE FUTURE LOCATION OF SUBSTATION



NOT TO BE USED FOR CONSTRUCTION			
AMDT	DATE	DESCRIPTION	BY
A	17.07.23	ISSUED FOR APPROVAL	AW



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WARRIGAL
STATUS
DEVELOPMENT APPROVAL

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DISCIPLINE
CIVIL DESIGN

PROJECT
WARRIGAL AGED CARE FACILITY

DRAWING TITLE
PROPOSED PUBLIC FOOTPATH LAYOUT

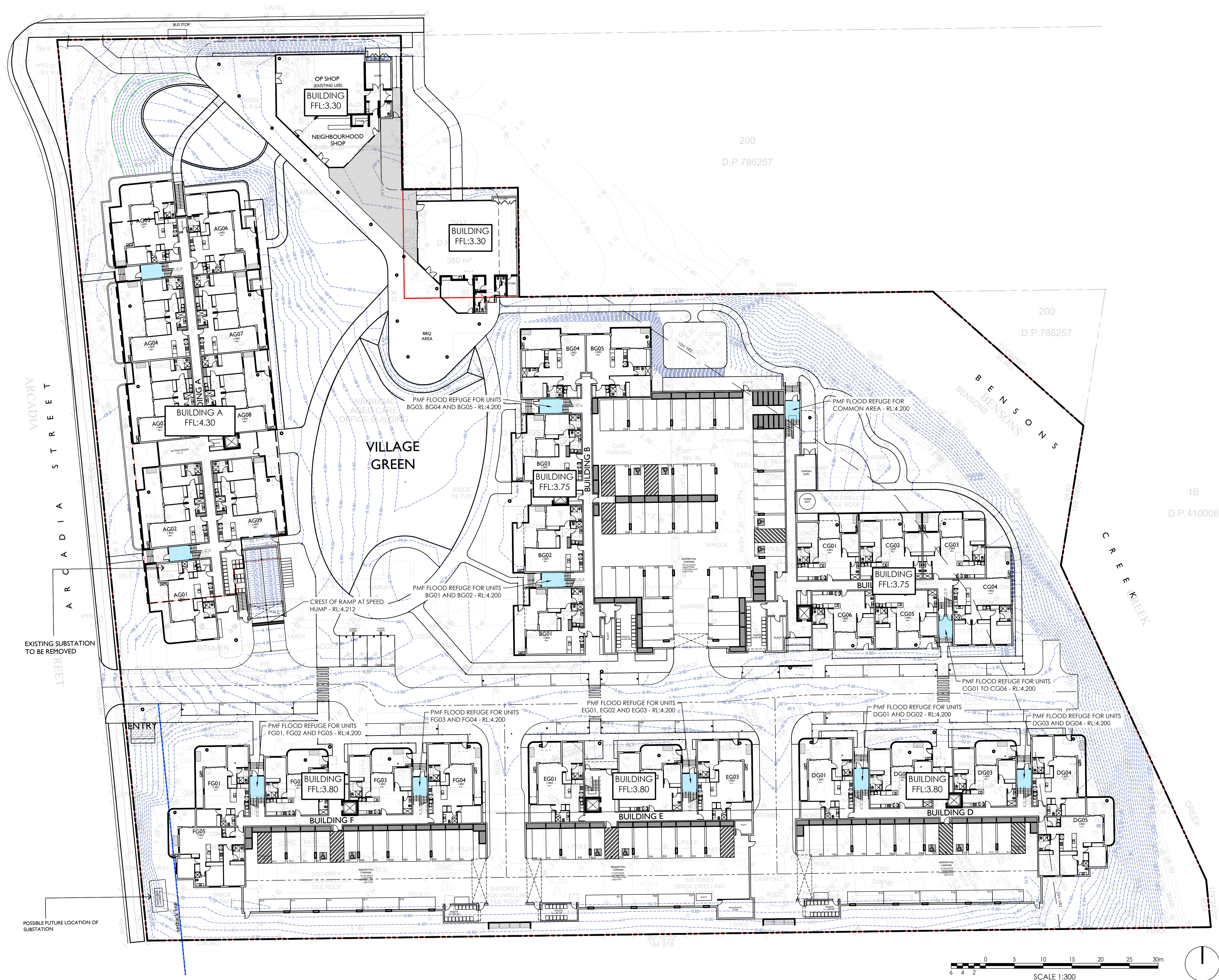
ADDRESS
1 ARCADIA STREET
WARRILLA, NSW 2528

PROJECT DETAILS
DESIGN AW
DRAWN AW
DATE MAY 2020
DRG SIZE A1
SCALE AS SHOWN
PROJECT SF
MGR
WWW.JN.COM.AU

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C600 A



NOT TO BE USED FOR CONSTRUCTION			
AMDT	DATE	DESCRIPTION	BY
A	17.07.23	ISSUED FOR APPROVAL	AW



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DISCIPLINE
CIVIL DESIGN

PROJECT
WARRIGAL AGED CARE FACILITY

DRAWING TITLE
EVACUATION MANAGEMENT PLAN

ADDRESS
1 ARCADIA STREET
WARRILLA, NSW 2528

PROJECT DETAILS
DESIGN: AW
DRAWN: AW
DATE: MAY 2020
DRG SIZE: A1
SCALE: AS SHOWN
PROJECT: SF
MGR: MGR
WWW.JN.COM.AU
Q0200012
C700 A