PROPOSED CENTRE BASED CHILDCARE
72 MULGOA ROAD, JAMISONTOWN, NSW
CIVIL ENGINEERING WORKS

GENERAL NOTES:

1. ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH PENRITH CITY COUNCIL SPECIFICATION. CONTRACTOR TO OBTAIN AND RETAIN A COPY ON SITE DURING THE COURSE OF THE WORKS.
2. ALL NEW WORKS ARE TO MAKE A SMOOTH JUNCTION WITH EXISTING CONDITIONS AND MARRY IN A 'WORKMANLIKE' MANNER.
3. THE CONTRACTOR IS TO VERIFY THE LOCATION OF ALL SERVICES WITH EACH RELEVANT AUTHORITY. ANY DAMAGE TO SERVICES SHALL BE RECTIFIED BY THE CONTRACTOR OR THE RELEVANT AUTHORITY AT THE CONTRACTOR'S EXPENSE. SERVICES SHOWN ON THESE PLANS ARE ONLY THOSE EVIDENT AT THE TIME OF SURVEY OR AS DETERMINED FROM SERVICE DIAGRAMS. H & H CONSULTING ENGINEERS PTY. LTD CANNOT GUARANTEE THE INFORMATION SHOWN NOR ACCEPT ANY RESPONSIBILITY FOR INACCURACIES OR INCOMPLETE DATA.
4. SERVICES & ACCESSES TO THE EXISTING PROPERTIES ARE TO BE MAINTAINED IN WORKING ORDER AT ALL TIMES DURING CONSTRUCTION.
5. ADJUST EXISTING SERVICE COVERS TO SUIT NEW FINISHED LEVELS TO RELEVANT AUTHORITY REQUIREMENTS WHERE NECESSARY.
6. REINSTATE AND STABILISE ALL DISTURBED LANDSCAPED AREAS.
7. MINIMUM GRADE OF SUBSOIL SHALL BE 0.5% (1:200) FALL TO OUTLETS.
8. ALL TEMPORARY SEDIMENT AND EROSION CONTROL DEVICES ARE TO BE CONSTRUCTED, PLACED AND MAINTAINED IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS, EROSION AND SEDIMENTATION CONTROL PLAN AND PENRITH CITY COUNCIL REQUIREMENTS WHERE APPLICABLE.
9. CONTRACTOR TO CHECK AND CONFIRM SITE DRAINAGE CONNECTIONS ACROSS THE VERGE PRIOR TO COMMENCEMENT OF SITE DRAINAGE WORKS.
10. PROPERTIES AFFECTED BY THE WORKS ARE TO BE NOTIFIED IN ADVANCE WHERE DISRUPTION TO EXISTING ACCESS IS LIKELY.

EXISTING SERVICES & FEATURES

- THE CONTRACTOR SHALL ALLOW FOR THE CAPPING OFF, EXCAVATION AND REMOVAL (IF REQUIRED) OF ALL EXISTING SERVICES IN AREAS AFFECTED BY WORKS WITHIN THE CONTRACT AREA OR AS SHOWN ON THE DRAWINGS UNLESS DIRECTED OTHERWISE BY THE SUPERINTENDENT.
- THE CONTRACTOR SHALL ENSURE THAT AT ALL TIMES SERVICES TO ALL BUILDINGS NOT AFFECTED BY THE WORKS ARE NOT DISRUPTED.
- PRIOR TO COMMENCEMENT OF ANY WORKS THE CONTRACTOR SHALL GAIN APPROVAL OF HIS PROGRAM FOR THE RELOCATION/ CONSTRUCTION OF TEMPORARY SERVICES.
- CONTRACTOR SHALL CONSTRUCT TEMPORARY SERVICES TO MAINTAIN SUPPLY TO EXISTING BUILDING REMAINING IN OPERATION DURING WORKS TO THE SATISFACTION AND APPROVAL OF THE SUPERINTENDENT. ONCE DIVERSION IS COMPLETE AND COMMISSIONED, THE CONTRACTOR SHALL REMOVE ALL SUCH TEMPORARY SERVICES AND MAKE GOOD TO THE SATISFACTION OF THE SUPERINTENDENT.
- INTERRUPTION TO SUPPLY OF EXISTING SERVICES SHALL BE DONE SO AS NOT TO CAUSE ANY INCONVENIENCE TO THE PRINCIPAL. CONTRACTOR TO GAIN APPROVAL FROM THE SUPERINTENDENT FOR TIME OF INTERRUPTION.
- EXISTING SERVICES, BUILDINGS, EXTERNAL STRUCTURES AND TREES SHOWN ON THESE DRAWINGS ARE EXISTING FEATURES PRIOR TO ANY DEMOLITION WORKS.
- EXISTING SERVICES UNLESS SHOWN ON SURVEY PLAN HAVE BEEN PLOTTED FROM SERVICES SEARCH PLANS AND AS SUCH THEIR ACCURACY CANNOT BE GUARANTEED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COMPLETE A 'DIAL BEFORE YOU DIG' SEARCH AND TO ESTABLISH THE LOCATION AND LEVEL OF ALL EXISTING SERVICES VIA PHYSICAL INVESTIGATION OR GROUND PENETRATING RADAR PRIOR TO THE COMMENCEMENT OF ANY WORK. ANY DISCREPANCIES SHALL BE REPORTED TO THE SUPERINTENDENT. CLEARANCES SHALL BE OBTAINED FROM THE RELEVANT SERVICE AUTHORITY.
- ALL BRANCH GAS AND WATER SERVICES UNDER DRIVEWAYS AND BRICK PAVING SHALL BE LOCATED IN Ø80 uPVC SEWER GRADE CONDUITS EXTENDING A MINIMUM OF 500mm BEYOND EDGE OF PAVING.

CONTAMINATION:

1. THE SUBJECT SITE CONTAINS A CAPPED CELL OF CONTAMINATION
2. THE ENVIRONMENTAL MANAGEMENT PLAN TO BE REFEREED TO FOR ANY EXCAVATION AND TRENCHING THAT MAY IMPACT ON THE CONTAMINATION

LOCALITY SKETCH

SCALE: N.T.S.

DRAWING SCHEDULE	
20820_S4.55_C000	COVER SHEET, DRAWING SCHEDULE, NOTES & LOCALITY SKETCH
20820_DA_C100	GENERAL ARRANGEMENT PLAN
20820_S4.55_C100	GENERAL ARRANGEMENT PLAN
20820_S4.55_C500	PAVEMENT PLAN
20820_S4.55_C501	PAVEMENT NOTES AND TYPICAL DETAILS
20820_S4.55_C600	LINEMARKING AND SIGNPOSTING PLAN INTERNAL SITE
20820_S4.55_SE01	SEDIMENT & EROSION CONTROL PLAN
20820_S4.55_SE02	SEDIMENT & EROSION CONTROL DETAILS

SITEWORKS NOTES

- DATUM : A.H.D.
- ORIGIN OF LEVELS : REFER TO BENCH OR STATE SURVEY MARKS WHERE SHOWN ON PLAN.
- CONTRACTOR MUST VERIFY ALL DIMENSIONS AND EXISTING LEVELS ON SITE PRIOR TO THE COMMENCEMENT OF WORK.
- ALL WORKS TO BE UNDERTAKEN IN ACCORDANCE WITH THE DETAILS SHOWN ON THE DRAWINGS & THE DIRECTIONS OF THE SUPERINTENDENT.
- EXISTING SERVICES UNLESS SHOWN ON THE SURVEY PLAN HAVE BEEN PLOTTED FROM SERVICES SEARCH PLANS AND AS SUCH THEIR ACCURACY CANNOT BE GUARANTEED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ESTABLISH THE LOCATION AND LEVEL OF ALL EXISTING SERVICES PRIOR TO THE COMMENCEMENT OF ANY WORK. ANY DISCREPANCIES SHALL BE REPORTED TO THE SUPERINTENDENT. CLEARANCES SHALL BE OBTAINED FROM THE RELEVANT SERVICE AUTHORITY.
- WHERE NEW WORKS ABUT EXISTING THE CONTRACTOR SHALL ENSURE THAT A SMOOTH EVEN PROFILE, FREE FROM ABRUPT CHANGES IS ACHIEVED.
- THE CONTRACTOR SHALL ARRANGE ALL SURVEY SETOUT TO BE CARRIED OUT BY A REGISTERED SURVEYOR.
- CARE IS TO BE TAKEN WHEN EXCAVATING NEAR EXISTING SERVICES. NO MECHANICAL EXCAVATION IS TO BE UNDERTAKEN OVER TELSTRA OR ELECTRICAL SERVICES. HAND EXCAVATE IN THESE AREAS.
- CONTRACTOR TO OBTAIN AUTHORITY APPROVALS WHERE APPLICABLE.
- MAKE SMOOTH TRANSITION TO EXISTING SURFACES AND MAKE GOOD.
- THESE PLANS SHALL BE READ IN CONJUNCTION WITH APPROVED LANDSCAPE, ARCHITECTURAL, STRUCTURAL, HYDRAULIC AND MECHANICAL DRAWINGS AND SPECIFICATIONS OR WRITTEN INSTRUCTIONS THAT MAY BE ISSUED RELATING TO DEVELOPMENT AT THE SITE.
- TRENCHES THROUGH EXISTING ROAD AND CONCRETE PAVEMENTS SHALL BE SAWCUT TO FULL DEPTH OF CONCRETE AND A MINIMUM OF 50mm IN BITUMINOUS PAVING.
- ALL BRANCH GAS AND WATER SERVICES UNDER DRIVEWAYS AND BRICK PAVING SHALL BE LOCATED IN Ø80 uPVC SEWER GRADE CONDUITS EXTENDING A MINIMUM OF 500mm BEYOND EDGE OF PAVING.
- GRADES TO PAVEMENTS TO BE AS IMPLIED BY RL'S ON PLAN . GRADE EVENLY BETWEEN NOMINATED RL'S. AREAS EXHIBITING PONDING GREATER THAN 5mm DEPTH WILL NOT BE ACCEPTED UNLESS IN A DESIGNATED SAG POINT.
- ALL COVERS AND GRATES ETC TO EXISTING SERVICE UTILITIES ARE TO BE ADJUSTED TO SUIT NEW FINISHED SURFACE LEVELS WHERE APPLICABLE.

SUBGRADE PREPARATION - SITEWORKS.

1. THE EXISTING SURFACE IS TO BE STRIPPED OF ANY PAVEMENTS, TOPSOIL OR OBVIOUS UNSUITABLE MATERIAL.
2. EXCAVATE TO ACHIEVE SUBGRADE LEVELS WHERE NECESSARY.
3. THE EXPOSED SUBGRADE AFTER STRIPPING AND/OR EXCAVATION TO BE PROOF ROLLED USING NOT FEWER THAN 5 PASSES OF A MINIMUM 8 TONNE DEAD WEIGHT STEEL SMOOTH-DRUM ROLLER UNDER THE SUPERVISION OF AN EXPERIENCED GEOTECHNICAL ENGINEER OR AN EXPERIENCED CIVIL ENGINEER. ANY AREAS ON THE SUBGRADE EXHIBITING EXCESSIVE DEFLECTION / MOVEMENT UNDER ROLLER TO BE EXCAVATED TO A MIN. DEPTH OF 0.5m AND REPLACED WITH APPROVED GRANULAR MATERIAL COMPACTED IN 250mm LOOSE LAYERS OR AS DIRECTED BY THE GEOTECHNICAL ENGINEER.
4. ENGINEERED FILL FOR REPLACEMENT OF SOFT OR HEAVING AREAS OR FOR BULK FILLING TO COMPRISE ESSENTIALLY OF GRANULAR MATERIALS (EG EXCAVATED SHALE), WITH A PARTICLE SIZE NOT GREATER THAN 75mm DIAMETER. ENGINEERED FILL TO BE PLACED IN LAYERS NOT EXCEEDING 250mm LOOSE THICKNESS AND COMPACTED TO BETWEEN 98% AND 102% OF STANDARD MAXIMUM DRY DENSITY (SMDD) WITHIN 2% OF OPTIMUM MOISTURE CONTENT (OMC).
5. IMPORTED FILLING (IF REQUIRED) IS TO BE TO THE APPROVAL OF THE GEOTECHNICAL ENGINEER. THE CONTRACTOR IS TO NOMINATE THE SOURCE AND PROVIDE A SAMPLE FOR APPROVAL PRIOR TO IMPORTATION AND PLACEMENT ON SITE.
6. ALL FILL MATERIAL SHALL BE FROM A SOURCE APPROVED BY THE SUPERINTENDENT AND SHALL COMPLY WITH THE FOLLOWING. FREE FORM ORGANIC AND PERISHABLE MATTER
   MAXIMUM PARTICLE SIZE = 75mm
   MAXIMUM PLASTICITY INDEX = 15%
7. IN GENERAL THERE WILL BE SHALE BEDROCK AT SUBGRADE LEVEL THROUGH MUCH OF THE LOWER BASEMENT, PROBABLY WITH A TRANSITION TO CLAY IN THE WESTERN PART OF THE SITE. WHERE SHALE IS PRESENT THERE IS NO SPECIFIC SUBGRADE PREPARATION REQUIRED THOUGH ANY AREAS THAT HAVE BECOME "CHURNED-UP" BY CONSTRUCTION ACTIVITIES AND/OR AFFECTED BY WATER MUST BE STRIPPED OUT AND REPLACED WITH GOOD QUALITY FILL SUCH AS ROAD BASE. IN THE WESTERN AREA SUBGRADE PREPARATION SHOULD INVOLVE PROOF ROLLING WITH THE HEAVIEST PRACTICABLE ROLLER AND REMEDIATION OF ANY SOFT OR HEAVING AREAS WITH ENGINEERED FILL. ENGINEERED FILL SHOULD COMPRISE GOOD QUALITY GRANULAR MATERIALS SUCH AS CRUSHED SANDSTONE, PLACED IN LAYERS WHICH ARE UNIFORMLY COMPACTED TO NOT LESS THAN 98% OF STANDARD MAXIMUM DRY DENSITY (SMDD). USE OF A WORKING PLATFORM OF ROAD BASE TYPE MATERIAL SHOULD BE CONSIDERED FOR THE CLAY SUBGRADE AS THE CLAY WILL BE UNTRAFFICABLE IF ALLOWED TO BECOME WET.

ISSUED FOR S4.55 APPROVAL

SURVEY INFORMATION
SURVEYED BY: REAL SERVE
DATUM: A.H.D
ORIGIN: SSM 32986

REVISION	AMENDMENT	DRAWN	DESIGNED	DATE
01	ISSUED FOR S4.55 APPROVAL	MS	FZ	31.08.2021

Client: HomeCo
Architect: FIVE CANONS ARCHITECTURE

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Project: PROPOSED CENTRE BASED CHILDCARE 72 MULGOA ROAD, JAMISONTOWN, NSW
Title: COVER SHEET, DRAWING SCHEDULE, NOTES & LOCALITY SKETCH

Drawn	Designed	Date
L.Barron	T.Rozehnal	SEP 2020
Checked	Approved	Scale @A1
T.Rozehnal	A.Francis	AS NOTED

Drawing number: 20820_S4.55_C000
Revision: 01

Document Set ID: 9751935
Version: 1, Version Date: 29/09/2021

EXISTING WAREHOUSE
(FORMELY MASTERS HOME IMPROVEMENT CENTRE)

CLOUD DENOTES AREA WITH PROPOSED MODIFICATIONS COMPARED WITH 20820_DA_C100

REFER TO EARLY WORKS CIVIL DRAWINGS FOR GRADING OF THE PROPOSED REPCO LOADING ZONE AREA

EXISTING PAVEMENT TO BE RECONSTRUCTED AT EARLY WORKS STAGE

REFER TO EARLY WORKS CIVIL DRAWINGS FOR DOCUMENTATION OF STORMWATER WORKS

PROPOSED CARPARK SPACES, REFER TO C600 FOR LINEMARKING AND SIGNPOSTING PLAN & DETAILS

PLANTER BOX TO BE RELOCATED TO ALLOW FOR 2 EXTRA CAR PARKING SPACES

PROPOSED PLANTER BOXES BY OTHERS

EASEMENT LINE

3.5m EXISTING EASEMENT (NOTED AS CAD DP 1225996)

PROPOSED CARPARK SPACES, REFER TO C600 FOR LINEMARKING AND SIGNPOSTING PLAN & DETAILS

EXISTING CARPARK SPACES TO REMAIN (TYP.), REFER TO C600 FOR LINEMARKING AND SIGNPOSTING PLAN & DETAILS

PROPOSED KERB OUTLET

IL29.06
RHS100x150
1m
1.2%
IL29.048

EXISTING CARPARK SPACES TO BE REMOVED. REFER TO C600 FOR LINEMARKING AND SIGNPOSTING PLAN & DETAILS

PROPOSED STRIP FOOTING TO ACT AS 150mm HIGH KERBING AND FOOTPATH, REFER TO STRUCTURAL DRAWINGS FOR DETAILS

RETAINING WALL TO STRUCTURAL ENGINEERS DETAILS

EXISTING KERB TO REMAIN

ABEL ROAD

REGENTVILLE ROAD

BOUNDARY

GENERAL ARRANGEMENT PLAN

SCALE:1:200

0 4 8 12 16 20m
4 3 2 1
SCALE 1:200

LEGEND

- EXISTING BOUNDARY
- EASEMENT LINE
- PROPOSED JUNCTION PITS AT EARLY WORKS STAGE
- PROPOSED SURFACE INLET PITS AT EARLY WORKS STAGE
- A-1 LINE LETTER / PIT NUMBER — PROPOSED PIT TAG
- PROPOSED GRATED DRAIN AT EARLY WORKS STAGE
- EXISTING STORMWATER PIPE
- PROPOSED STORMWATER PIPE
- RL29.50 — PROPOSED SPOT LEVEL
- Ex29.50 — EXISTING SPOT LEVEL
- KO — PROPOSED KERB ONLY (150mm HIGH)
- EXKO — EXISTING KERB
- E — EXISTING ELECTRICAL MAINS LINE
- G — EXISTING GAS LINE
- S — EXISTING SEWER LINE
- T — EXISTING TELSTRA LINES
- W — EXISTING WATER LINE
- SW — EXISTING STORMWATER LINE
- IL21.17 / Ø100 uPVC / 15m / 1% / IL21.02 — STORMWATER UPSTREAM INVERT RL. / STORMWATER PIPE DIAMETER & CLASS / STORMWATER PIPE LENGTH / STORMWATER PIPE GRADE / STORMWATER DOWNSTREAM INVERT RL.
- PR — PROPOSED PRAM RAMP
- RW — PROPOSED RETAINING WALL
- STORMWATER DOWNPIPE COLLECTION
- DP — PROPOSED DOWNPIPE BY OTHERS

NOTE:

- A CONTAMINATION CONTAINMENT CELL IS PRESENT BELOW THE EXISTING PAVEMENT SUBGRADE. THE PROPOSED SITE LEVELS ARE GENERALLY ABOVE EXISTING SURFACE LEVELS HOWEVER, ALL TRENCHING AND EXCAVATION WORKS THAT WILL BE WITHIN THIS CELL ARE TO BE DONE IN ACCORDANCE WITH THE APPROVED CONTAMINATION PLAN PREPARED BY OTHERS.

ISSUED FOR S4.55 APPROVAL

SURVEY INFORMATION
SURVEYED BY: REAL SERVE
DATUM: A.H.D
ORIGIN: SSM 32986

REVISION	AMENDMENT	DRAWN	DESIGNED	DATE
01	ISSUED FOR S4.55 APPROVAL	MS	FZ	31.08.2021

Client: HomeCo
Architect: FIVE CANONS ARCHITECTURE

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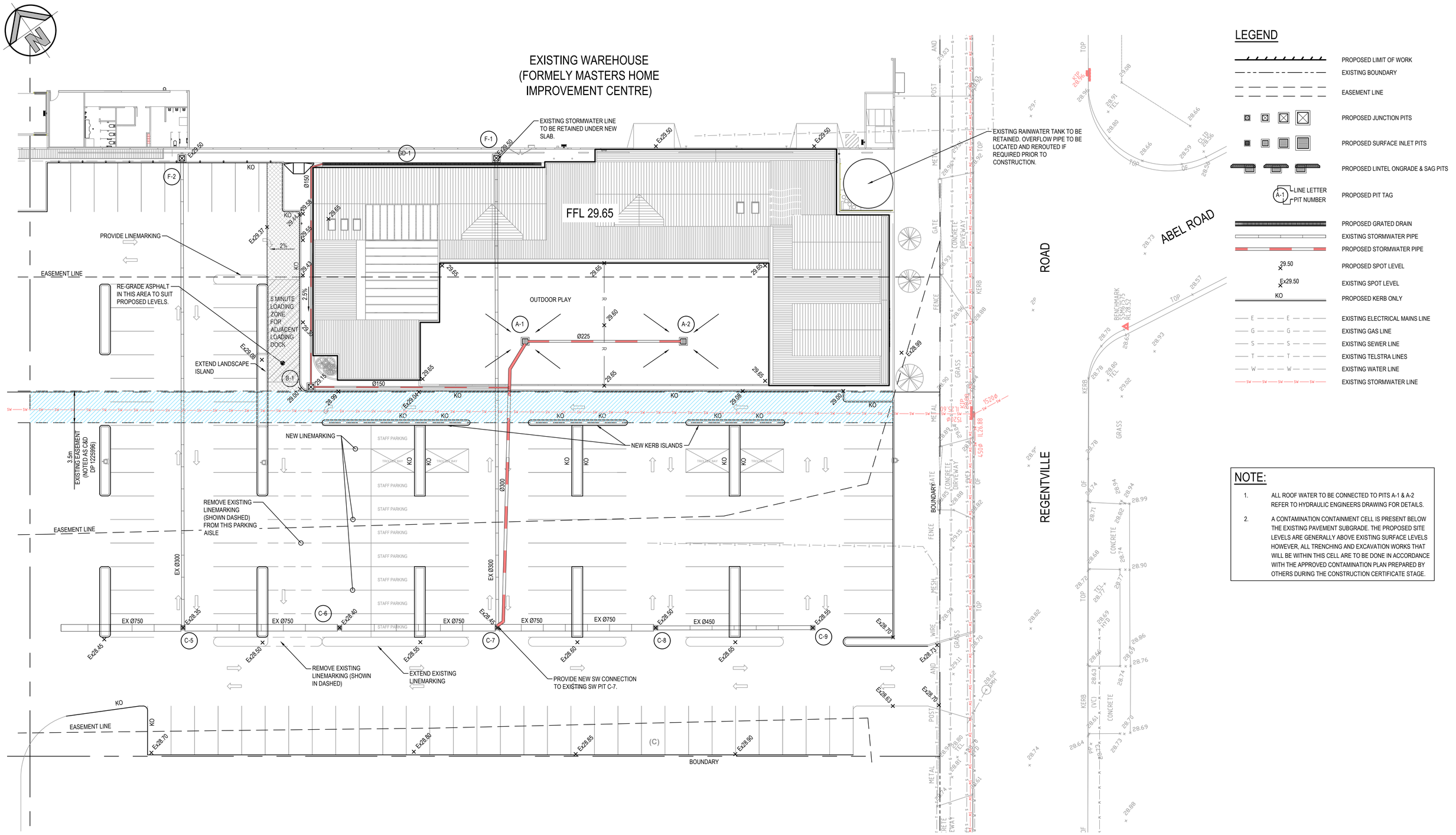
Project: PROPOSED CENTRE BASED CHILDCARE
72 MULGOA ROAD, JAMISONTOWN, NSW

Title: GENERAL ARRANGEMENT PLAN

Drawn	Designed	Date
L.Barron	T.Rozehnal	SEP 2020
Checked	Approved	Scale @A1
T.Rozehnal	A.Francis	1:200

Drawing number: 20820_S4.55_C100
Revision: 01



LEGEND

- PROPOSED LIMIT OF WORK
- EXISTING BOUNDARY
- EASEMENT LINE
- PROPOSED JUNCTION PITS
- PROPOSED SURFACE INLET PITS
- PROPOSED LINTEL ONGRADE & SAG PITS
- A-1 — LINE LETTER / PIT NUMBER — PROPOSED PIT TAG
- PROPOSED GRATED DRAIN
- EXISTING STORMWATER PIPE
- PROPOSED STORMWATER PIPE
- 29.50 — PROPOSED SPOT LEVEL
- Ex29.50 — EXISTING SPOT LEVEL
- KO — PROPOSED KERB ONLY
- E — EXISTING ELECTRICAL MAINS LINE
- G — EXISTING GAS LINE
- S — EXISTING SEWER LINE
- T — EXISTING TELSTRA LINES
- W — EXISTING WATER LINE
- SW — EXISTING STORMWATER LINE

NOTE:

1. ALL ROOF WATER TO BE CONNECTED TO PITS A-1 & A-2 REFER TO HYDRAULIC ENGINEERS DRAWING FOR DETAILS.
2. A CONTAMINATION CONTAINMENT CELL IS PRESENT BELOW THE EXISTING PAVEMENT SUBGRADE. THE PROPOSED SITE LEVELS ARE GENERALLY ABOVE EXISTING SURFACE LEVELS HOWEVER, ALL TRENCHING AND EXCAVATION WORKS THAT WILL BE WITHIN THIS CELL ARE TO BE DONE IN ACCORDANCE WITH THE APPROVED CONTAMINATION PLAN PREPARED BY OTHERS DURING THE CONSTRUCTION CERTIFICATE STAGE.

GENERAL ARRANGEMENT PLAN

SCALE:1:200

0 4 8 12 16 20m

4 3 2 1

SCALE 1:200

FOR DA ONLY

REVISION	AMENDMENT	DRAWN	DESIGNED	DATE
02	ISSUED FOR DA ONLY	IK	TR	22.02.2021
01	ISSUED FOR DA ONLY	MS	TR	04.09.2020

Client: HomeCo

Architect: FIVE CANONS ARCHITECTURE

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Project: PROPOSED CENTRE BASED CHILDCARE
72 MULGOA ROAD, JAMISONTOWN, NSW

Title: GENERAL ARRANGEMENT PLAN

Drawn	Designed	Date
M.Stimova	T.Rozehnal	SEP 2020
Checked	Approved	Scale @A1
T.Rozehnal	A.Francis	1:200

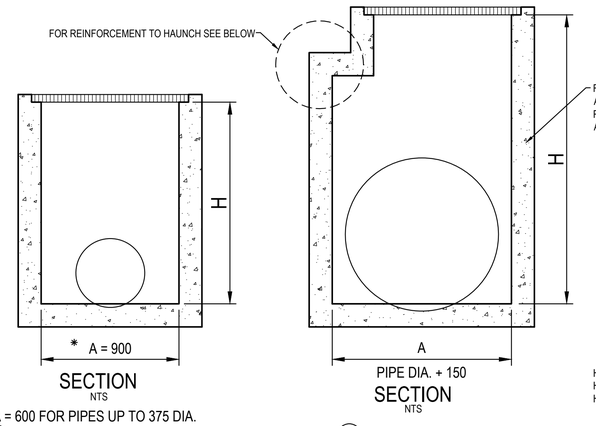
Drawing number: 20820_DA_C100

Revision: 02

TYPICAL PIT CHAMBER SIZES
IT IS THE CONTRACTORS RESPONSIBILITY TO SELECT PIT CHAMBER SIZE WITH REGARDS TO PIPE SIZE, DEPTH TO INVERT AND SKEW ANGLE. REFER SKETCHES BELOW.

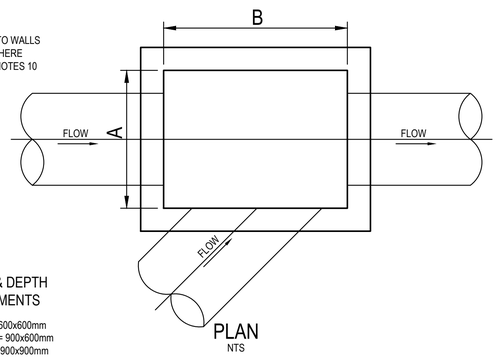
1. SELECT PIT CHAMBER USING THE STEPS BELOW:
2. SELECT PIT CHAMBER SIZE DEPENDING ON THE PIPE DIAMETERS.
3. CHECK PIT CHAMBER SIZE TO SATISFY DEPTH TO INVERT REQUIREMENTS.
   CHECK PIT CHAMBER DIMENSIONS TO SATISFY THE SKEW ANGLE IN THE TABLE.

FOR B = 600mm - MAX. SIDE ENTRY PIPE AT 45° SKEW = 225mm
FOR B = 900mm - MAX. SIDE ENTRY PIPE AT 45° SKEW = 375mm
FOR B = 1200mm - MAX. SIDE ENTRY PIPE AT 45° SKEW = 600mm
FOR B = 1500mm - MAX. SIDE ENTRY PIPE AT 45° SKEW = 825mm
FOR B = 1900mm - MAX. SIDE ENTRY PIPE AT 45° SKEW = 1050mm



SECTION
NTS

SECTION
NTS



PLAN
NTS

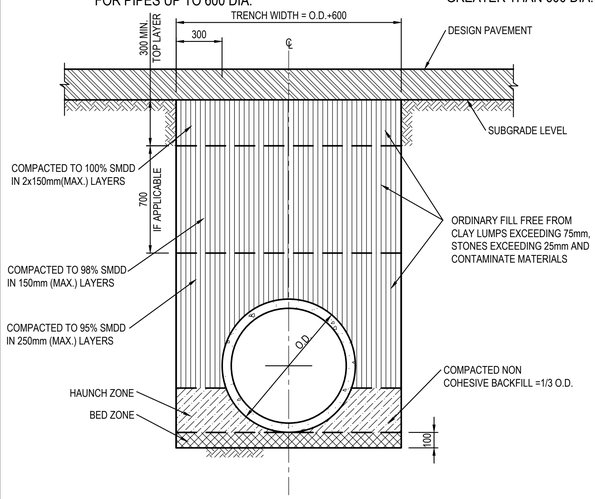
*A = 600 FOR PIPES UP TO 375 DIA.

1 PIT CHAMBER DIMENSIONS FOR PIPES UP TO 600 DIA.

2 PIT SIZE & DEPTH REQUIREMENTS

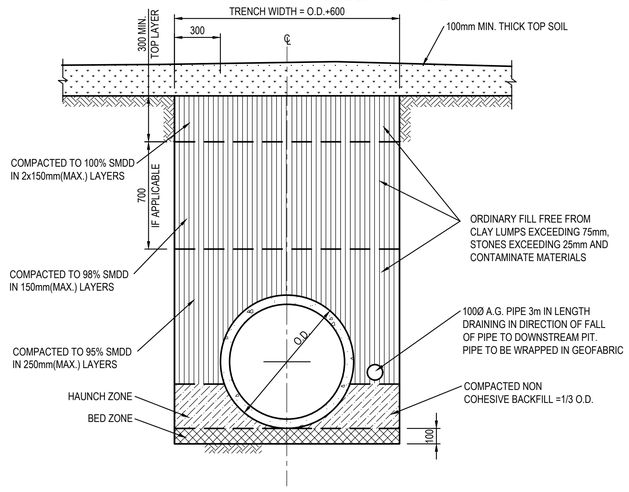
H = 0-900mm - AxB = 600x600mm
H = 900-1200mm - AxB = 900x600mm
H = >1200mm - AxB = 900x900mm

1 PIT CHAMBER FOR PIPES GREATER THAN 600 DIA.

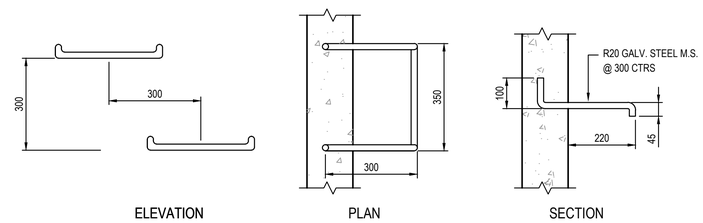


PIPE TRENCH INSTALLATION BENEATH PAVEMENT
(H1 & H2 SUPPORT)
SCALE 1:20

3 PIT CHAMBER FOR SIDE ENTRY ON SKEW



PIPE TRENCH INSTALLATION IN LANDSCAPE AREAS
(H1 & H2 SUPPORT)
SCALE 1:20



TYPICAL STEP IRON DETAIL
SCALE 1:10

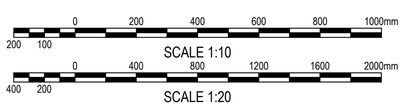


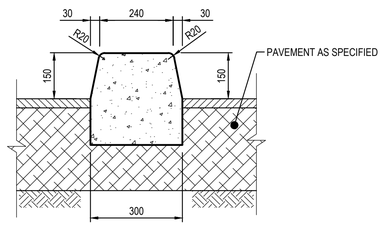
TABLE 1	
SIEVE SIZE (MM)	WEIGHT PASISNG (%)
75.0	100
9.5	100 TO 50
2.36	100 TO 30
0.60	50 TO 15
0.075	25 TO 0

TABLE 2	
SIEVE SIZE (MM)	WEIGHT PASISNG (%)
19.0	100
2.36	100 TO 50
0.60	90 TO 20
0.30	60 TO 10
0.15	25 TO 0
0.075	10 TO 0

TABLE 3				
SUPPORT TYPE	BED ZONE X	HAUNCH ZONE Y	BED AND HAUNCH ZONES COMPACTION	MAX BEDDING FACTOR
HS1	100 IF D<=1500, OR 150 IF D>=1500	0.1D	50	2.0
HS2		0.3D	60	2.5
HS3		0.3D	70	4.0

PIT LID SCHEDULE

PIT/STRUCTURE NUMBER	DESCRIPTION
GD-2	150mm WIDE LIGHT DUTY GRATED DRAIN AND LIGHT DUTY FRAME CLASS 'B' IN ACCORDANCE WITH PENRITH CITY COUNCIL REQUIREMENTS.
GD-1 GD-3 GD-4	150mm WIDE MEDIUM DUTY GRATED DRAIN AND MEDIUM DUTY FRAME CLASS 'C' IN ACCORDANCE WITH PENRITH CITY COUNCIL REQUIREMENTS.



BACK TO BACK KERB ONLY (BBK)
SCALE 1:10

DRAINAGE NOTES:

1. ALL STORMWATER WORK TO COMPLY WITH AS 3500 PART 3.

2. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE MINIMUM COVER OF 600mm ON ALL PIPES.

3. PROTECTION OF PIPES DUE TO LOADS EXCEEDING W7 WHEEL LOAD SHALL BE THE CONTRACTOR'S RESPONSIBILITY.

4. BEDDING TYPE SHALL BE TYPE H2 FOR RCP. WHERE NECESSARY THE OVERLAY ZONE SHALL BE REDUCED TO ACCOMMODATE PAVEMENT REQUIREMENTS. REFER TO THIS DRAWING FOR DETAILS.

5. MINIMUM COVER OVER EXISTING PIPES FOR PROTECTION DURING CONSTRUCTION SHALL BE 800mm.

6. NO CONSTRUCTION LOADS SHALL BE APPLIED TO PLASTIC PIPES.

7. FINISHED SURFACE LEVELS SHOWN ON LAYOUT PLAN DRGS TAKE PRECEDENCE OVER DESIGN DRAINAGE SURFACE LEVELS.

8. ALL PIPES UP TO AND INCLUDING 300 DIA. SHALL BE SOLVENT OR RUBBER RING JOINTED PVC CLASS SH PIPE TO AS1260. ALL OTHER PIPES TO BE RCP USING CLASS 2 RUBBER RING JOINTED PIPE. HARDIES FRC PIPE MAY BE USED IN LIEU OF RCP IF DESIRED IN GROUND. ALL AERIAL PIPES TO BE PVC CLASS SH.

9. ALL PITS IN NON TRAFFICABLE AREAS TO BE PREFABRICATED POLYESTER CONCRETE "POLYCRETE" WITH "LIGHT DUTY" CLASS B GALV. MILD STEEL GRATING AND FRAME.
ALL PITS IN TRAFFICABLE AREAS (CLASS "D" LOADING MAX) TO HAVE 150mm THICK CONCRETE WALLS AND BASE CAST IN-SITU f'c=32 MPa, REINFORCED WITH N12-200 BOTH LOADING WAYS CENTRALLY PLACE .U.N.O. ON SEPARATE DESIGN DRAWINGS IN THIS SET. GALV.MILD STEEL GRATING AND FRAME TO SUIT DESIGN LOADING. PRECAST PITS, RECTANGULAR OR CIRCULAR IN SHAPE, MAY BE USED IN LIEU AND SHALL COMPLY WITH RELEVANT AUSTRALIAN STANDARDS.

10. ALL PITS, GRATINGS AND FRAMES SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATION AND TO BE IN ACCORDANCE WITH AS3500.3 AND AS3996.

11. PIT CHAMBER DIMENSIONS ARE TO BE SELECTED TO SATISFY THE FOLLOWING:
- PIPE SIZE
- DEPTH TO INVERT
- SKEW ANGLE
  REFER TYPICAL PIT CHAMBER DETAILS BELOW
IF PIT LID SIZE IS SMALLER THAN THE PIT CHAMBER SIZE THEN THE PIT LID IS TO BE CONSTRUCTED ON THE CORNER OF THE PIT CHAMBER WITH THE STEP IRONS DIRECTLY BELOW. ALTERNATIVELY THE PIT LID TO BE USED, IS TO BE THE SAME SIZE AS THE PIT CHAMBER.

12. FOR PIPE SIZES GREATER THAN Ø300mm, PIT FLOOR IS TO BE BENCHED TO FACILITATE FLOW.

13. GALVANISED STEP IRONS SHALL BE PROVIDED AT 300 CTS FOR PITS HAVING A DEPTH EXCEEDING 1200mm. SUBSOIL DRAINAGE PIPE SHALL BE PROVIDED IN PIPE TRENCHES ADJACENT TO INLET PIPES. (MINIMUM LENGTH 3m).

14. ALL SUBSOIL PIPES SHALL BE 100mm SLOTTED PVC IN A FILTER SOCK, UNO, WITH 3m INSTALLED UPSTREAM OF ALL PITS.

15. ALL PIPEWORK SHALL HAVE MINIMUM DIAMETER 100.

16. MINIMUM GRADE FOR ROOFWATER DRAINAGE LINES SHALL BE 1%.

17. ALL PIPE JUNCTIONS AND TAPER UP TO AND INCLUDING 300 DIA. SHALL BE VIA PURPOSE MADE FITTINGS.

18. ALL ROOF DRAINAGE TO BE INSTALLED IN ACCORDANCE WITH AS3500, PART 3. TESTING TO BE UNDERTAKEN AND REPORTS PROVIDED TO THE SUPERINTENDENT.

19. LOCATION OF THE DIRECT DOWN PIPE CONNECTIONS MAY VARY ON SITE TO SUIT SITE CONDITIONS, WHERE CONNECTION SHOWN ON LONG SECTIONS CHAINAGES ARE INDICATIVE ONLY.

20. PITS IN EXCESS OF 1.5 m DEEP TO HAVE WALL AND FLOOR THICKNESS INCREASED TO 200mm. REINFORCED WITH N12@200 CTS CENTRALLY PLACED BOTH WAYS THROUGHOUT U.N.O.ON SEPARATE DESIGN DRAWINGS IN THIS SET. IF DEPTH EXCEEDS 5m CONTACT ENGINEER.

21. SUBSOIL DRAINAGE LINES FOR LANDSCAPE AREA NOT SHOWN ON THESE DRAWINGS. REFER TO LANDSCAPING PLANS FOR DETAILS.

22. ALL STORMWATER PITS TO HAVE Ø100 uPVC SLOTTED SUBSOIL PIPES CONNECTED TO THEM. THESE SUBSOILS TO EXTEND 3m UPSTREAM OF THE PIT AT A MINIMUM GRADE.

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SURVEY INFORMATION
SURVEYED BY: REAL SERVE
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ORIGIN: SSM 32986

REVISION	AMENDMENT	DRAWN	DESIGNED	DATE
01	ISSUED FOR S4.55 APPROVAL	MS	FZ	31.08.2021

Client: HomeCo
Architect: FIVE CANONS ARCHITECTURE

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Project: PROPOSED CENTRE BASED CHILDCARE
72 MULGOA ROAD, JAMISONTOWN, NSW

Title: STORMWATER MISCELLANEOUS DETAILS & PIT LID SCHEDULE

Drawn	Designed	Date
L.Barron	T.Rozehnal	SEP 2020
Checked	Approved	Scale @A1
T.Rozehnal	A.Francis	AS NOTED

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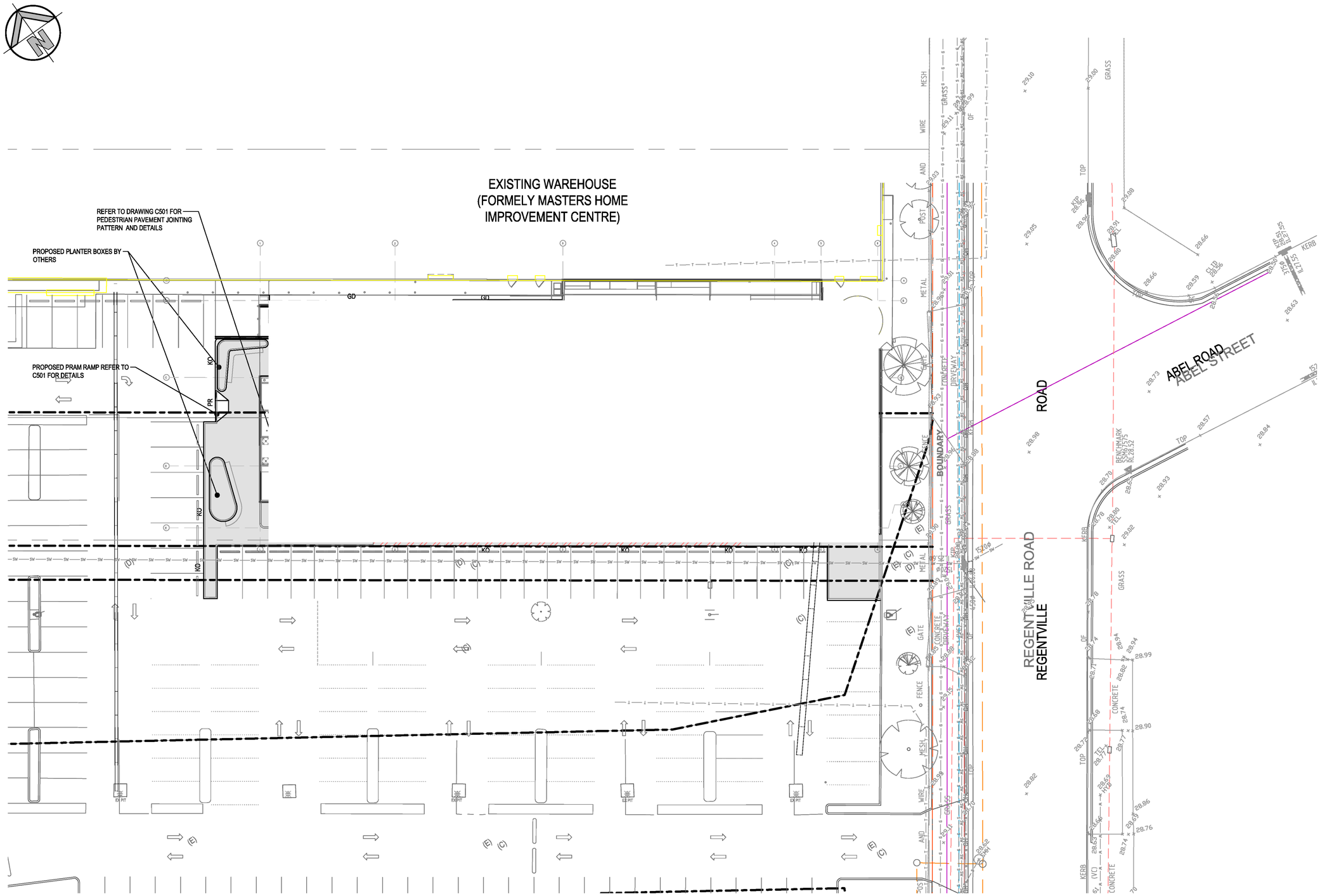

PAVEMENT PLAN
SCALE:1:200

0 4 8 12 16 20m
4 3 2 1
SCALE 1:200

PAVEMENT TYPE LEGEND

PAVEMENT TYPE 1
PEDESTRIAN FOOTPATH

120mm 32MPa CONCRETE WITH SL82 MESH T&B
100mm DGB 20
COMPACTED SUBGRADE MIN 3% CBR
REFER TO GEOTECHNICAL REPORT FOR
SUBGRADE PREPARATION

PAVEMENT TYPE 2
PROPOSED STRIP FOOTING TO ACT AS 150mm HIGH KERB ONLY AND PEDESTRIAN FOOTPATH. REFER TO STRUCTURAL DRAWINGS FOR DETAIL

LEGEND

- PROPOSED JUNCTION PITS
- PROPOSED SURFACE INLET PITS
- KO — PROPOSED KERB ONLY
- PR — PROPOSED PRAM RAMP
- GD — PROPOSED GRATED DRAIN
- RW — PROPOSED RETAINING WALL

NOTES:
1.ISOLATION JOINT TO BE PLACED BETWEEN THE FOOTPATH PAVEMENT AND BUILDING/ RETAINING WALL

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SURVEYED BY: REAL SERVE
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Project: PROPOSED CENTRE BASED CHILDCARE
72 MULGOA ROAD, JAMISONTOWN, NSW

Title: PAVEMENT PLAN

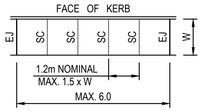
Drawn	Designed	Date
L.Barron	T.Rozehnal	SEP 2020
Checked	Approved	Scale @A1
T.Rozehnal	A.Francis	1:200

Drawing number: 20820_S4.55_C500
Revision: 01

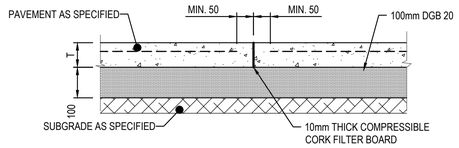
PEDESTRIAN FOOTPATH DETAILS

PEDESTRIAN PAVEMENT JOINTS:

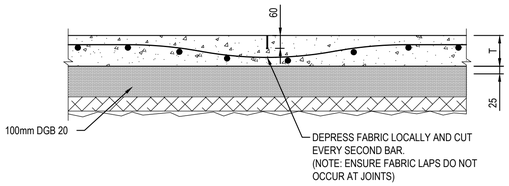
1. ALL PEDESTRIAN PAVEMENTS TO BE JOINTED AS FOLLOWS. (U.N.O)
2. EXPANSION JOINTS ARE TO BE LOCATED WHERE POSSIBLE AT TANGENT POINTS OF CURVES AND ELSEWHERE AT. MAX. 6.0m CENTRES.
3. WEAKENED PLANE JOINTS ARE TO BE LOCATED AT A MAX. SPACING OF 1.5 x WIDTH OF THE PAVEMENT.
4. WHERE POSSIBLE JOINTS SHOULD BE LOCATED TO MATCH KERBING AND / OR ADJACENT PAVEMENT JOINTS.



TYPICAL JOINTING PATTERN



FOOTPATH EXPANSION JOINT (EJ)
SCALE 1:10

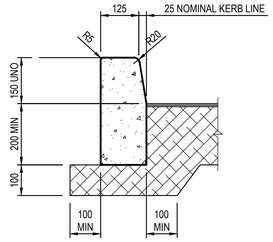


SAW CUT JOINT - (SC)
SCALE 1:10

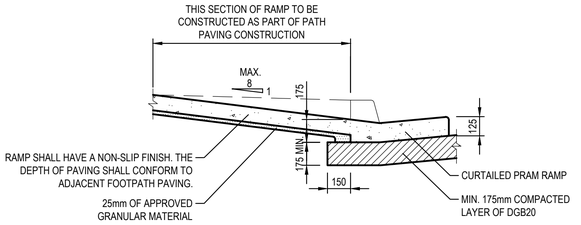
KERBING NOTES:

INCLUDES ALL KERBS, GUTTERS, DISH DRAINS, CROSSING AND EDGES.

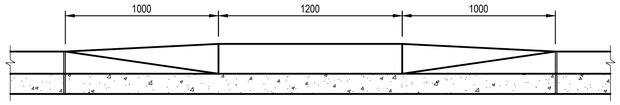
1. ALL KERBS, GUTTERS, DISH DRAINS AND CROSSING TO BE CONSTRUCTED ON MINIMUM 75mm GRANULAR BASE COURSE COMPACTED TO MINIMUM 98% MODIFIED MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS 1289 5.2.1.
2. EXPANSION JOINTS (EJ) TO BE FORMED FROM 10mm COMPRESSIBLE CORK FILTER BOARD FOR THE FULL DEPTH OF THE SECTION AND CUT TO PROFILE. EXPANSION JOINTS TO BE LOCATED AT DRAINAGE PITS, ON TANGENT POINTS OF CURVES AND ELSEWHERE AT 12m CENTRES EXCEPT FOR INTEGRAL KERBS WHERE THE EXPANSION JOINTS ARE TO MATCH THE JOINT LOCATION IN KERBS.
3. WEAKENED PLANE JOINTS TO BE MIN 3mm WIDE AND LOCATED AT 3m CENTRES EXCEPT FOR INTEGRAL KERBS WHERE WEAKENED PLANE JOINTS ARE TO MATCH THE JOINT LOCATIONS IN SLABS.
4. BROAMED FINISHED TO ALL RAMPED AND VEHICULAR CROSSINGS, ALL OTHER KERBING OR DISH DRAINS TO BE STEEL FLOAT FINISHED.
5. IN THE REPLACEMENT OF KERBS
   EXISTING ROAD PAVEMENT IS TO BE SAWCUT 900mm FROM LIP OF GUTTER. UPON COMPLETION OF NEW KERBS, NEW BASE COURSE AND SURFACE IS TO BE LAID 900mm WIDE TO MATCH EXISTING MATERIALS AND THICKNESS. EXISTING ALLOTMENT DRAINAGE PIPE ARE TO BE BUILT INTO NEW KERB WITH A 100mm DIA HOLE.
   EXISTING KERBS ARE TO BE COMPLETELY REMOVED WHERE NEW KERBS ARE SHOWN.



KERB ONLY (KO)
SCALE 1:10



SECTION 2 / -
SCALE: 1:20



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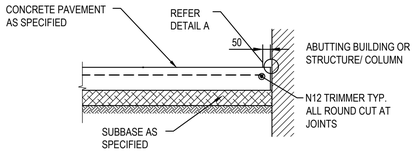
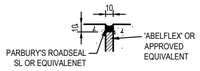
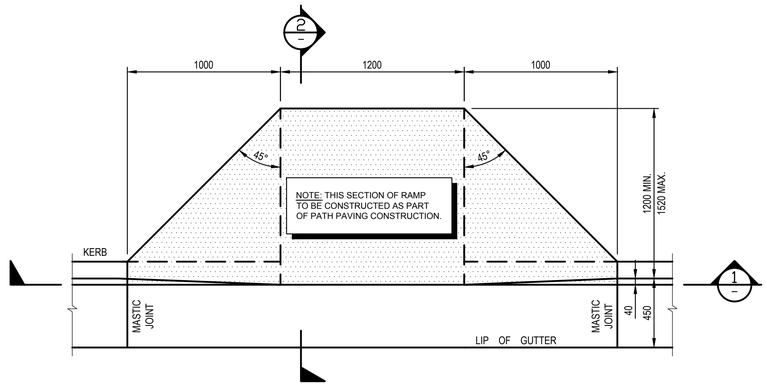


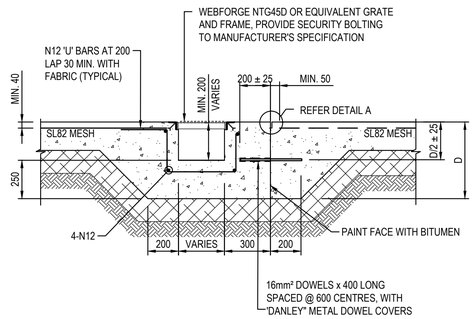
ISOLATION JOINT (IJ)
SCALE 1:20



DETAIL A
N.T.S.



PRAM RAMP DETAIL
SCALE 1:20



TYPICAL GRATED DRAIN (GD)
SCALE 1:20
NOTE: MIN. 1% FALL IN GRATED DRAIN TO PIT

0 200 400 600 800 1000mm
200 100
SCALE 1:10

0 400 800 1200 1600 2000mm
400 200
SCALE 1:20

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Client: HomeCo
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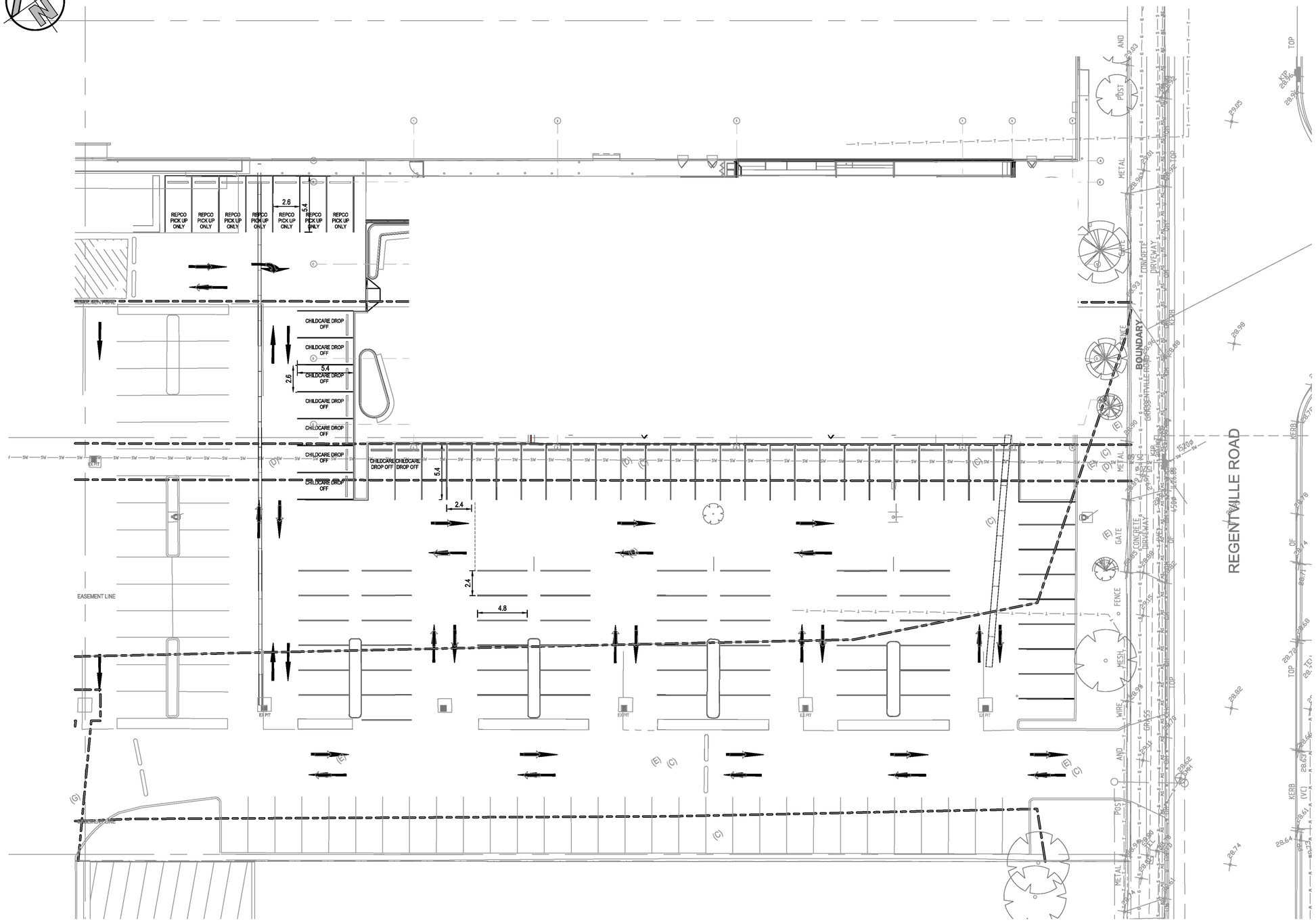
Project: PROPOSED CENTRE BASED CHILDCARE 72 MULGOA ROAD, JAMISONTOWN, NSW			
Drawn: L.Barron	Designed: T.Rozehnal	Date: SEP 2020	
Checked: T.Rozehnal	Approved: A.Francis	Scale @A1: 1:200	
Title: PAVEMENT NOTES AND TYPICAL DETAILS	Drawing number: 20820_S4.55_C501	Revision: 01	



LINEMARKING TABLE

USE	DIMENSIONS (m) (FOR DIMENSIONS SHOWN * SEE MARKER SPACING COLUMN)	COLOUR
PARKING BAY LINE	0.10	WHITE

LEGEND

EXISTING LINEMARKING TO REMAIN

PROPOSED LINEMARKING

ARROW LEGEND

UA1 STRAIGHT AHEAD ARROW

UA3 EXCLUSIVE AHEAD ARROW

NOTE: MINIMUM LENGTH OF ARROWS:
1. STRAIGHT AHEAD AND TURN ARROW = 3.0m
2. COMBINED ARROW = 3.75m

SIGNAGE NOTES

1. ALL SIGNAGE TO BE RMS CATEGORY SIZE A OR EQUIVALENT.
2. SIGNS SHALL BE FIXED TO COLUMNS OR POSTS (AS REQUIRED) TO MANUFACTURERS SPECIFICATION.

PAVEMENT MARKING NOTES

1. THE WORK SHALL INCLUDE ALL LINE MARKING TO AISLE, RAMPS,CHEVRONS AND CARPARKS.
2. THE LINE MARKING AND PAINT SHALL BE IN ACCORDANCE WITH THE FOLLOWING STANDARDS. AS 2890, AS 1428, AS 1742 AND RMS SPECIFICATION 3351.
3. LINE MARKING PAINT SHALL BE PAINT CLASS A AND THE COLOUR SHALL BE WHITE AND NOT SUBJECT TO DISCOLORATION BY BITUMEN FROM THE ROAD SURFACE. ALL PAINT SHALL BE APPLIED BY MECHANICAL SPRAYER.
4. LINE MARKING SHALL BE SPOTTED OUT AND APPROVED PRIOR TO SPRAYING
5. PAINT SHALL BE APPLIED AT A WET THICKNESS OF BETWEEN 0.35mm TO 0.40mm.
6. PAINT 75mm LINE MARKING TO CARPARK PAVEMENT.
7. CARPARKING BAYS TO BE SETOUT IN ACCORDANCE WITH ARCHITECTURAL DRAWINGS.
8. CROSSINGS TO BE YELLOW PAINT TYPE.
9. PAVEMENT MARKING AND SIGN POSTING TO BE IN ACCORDANCE WITH RMS "INTERIM GUIDE TO SIGNS AND MARKING."
10. RAISED PAVEMENT MARKERS TO BE IN ACCORDANCE WITH RMS "INTERIM GUIDE TO SIGNS AND MARKING."
11. LANE WIDTHS DO NOT INCLUDE WIDTH OF GUTTER.
12. LINEMARKING PLAN DOES NOT DEFINE BOUNDARIES.
13. ESTABLISH THE LOCATION OF EXISTING UTILITY SERVICES AND LOCATE NEW SIGNS CLEAR OF THESE INSTALLATIONS.

LINEMARKING AND SIGNPOSTING PLAN - INTERNAL SITE

SCALE:1:200

0 4 8 12 16 20m

4 3 2 1

SCALE 1:200

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SURVERY INFOMATION
SURVEYED BY: REAL SERVE
DATUM: AHD
ORIGIN: SSM32986

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Project: PROPOSED CENTRE BASED CHILDCARE
72 MULGOA ROAD, JAMISONTOWN, NSW

Title: LINEMARKING AND SIGNPOSTING PLAN
INTERNAL SITE

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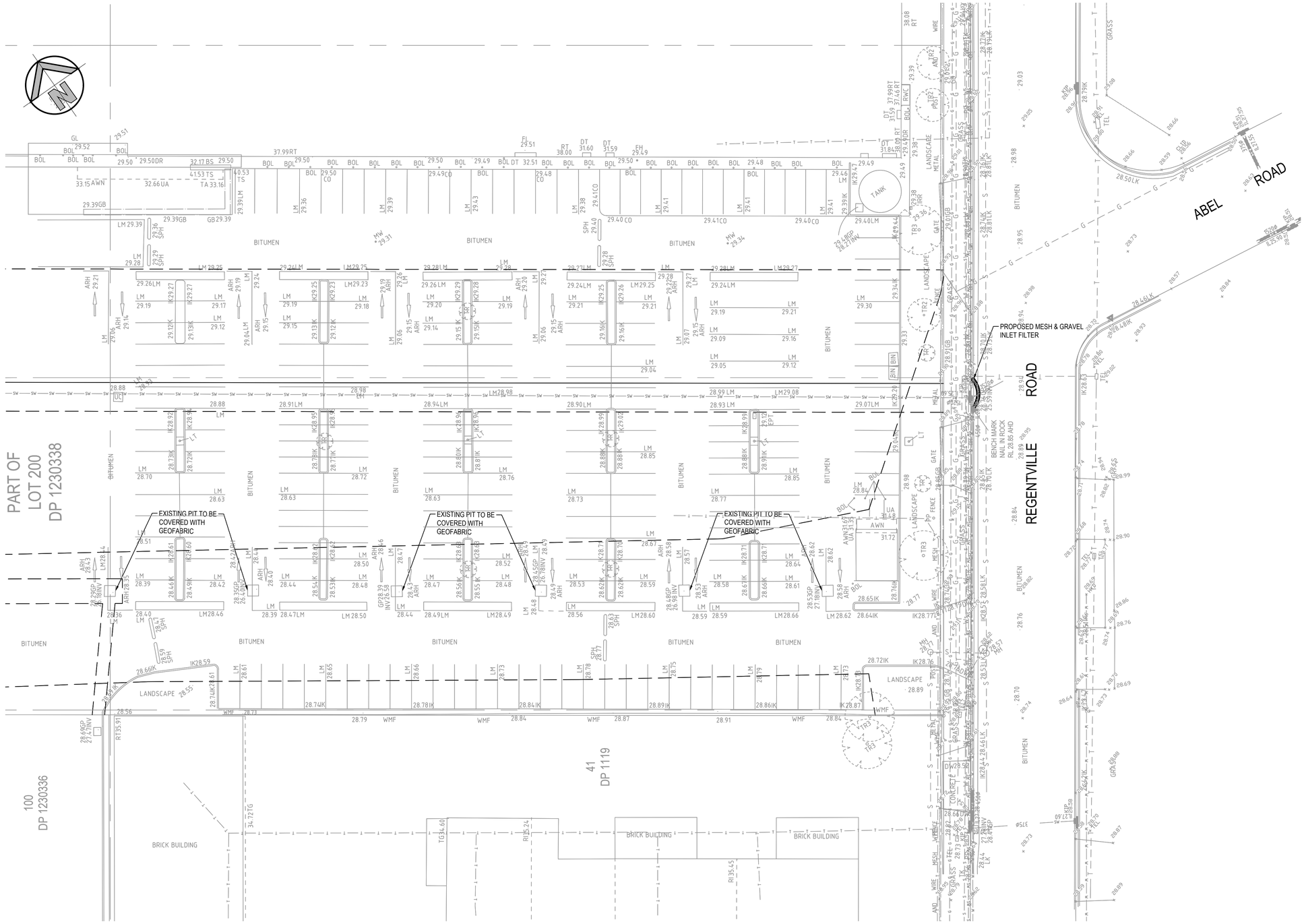

SEDIMENT & EROSION CONTROL PLAN

SCALE 1:250

0 5 10 15 20 25m

5 4 3 2 1

SCALE 1:250

LEGEND

- SITE BOUNDARY
- PROPOSED SEDIMENTATION FENCE
- PROPOSED MESH & GRAVEL INLET FILTER

GENERAL INSTRUCTIONS

1. THIS SEDIMENT AND EROSION CONTROL WORKS FOR THE SITE SHALL BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF "MANAGING URBAN STORMWATER - SOILS AND CONSTRUCTION, 4TH EDITION (2004)" BY LANDCOM.
2. AS REQUIRED BY BLACKTOWN CITY COUNCIL SEDIMENT CONTROL MEASURES WILL BE REQUIRED DURING THE CONSTRUCTION OF ALL DEVELOPMENTS/BUILDING WORKS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY THAT THE WORKS ARE CARRIED OUT IN ACCORDANCE WITH THE SEDIMENT AND EROSION CONTROL PLAN AND COUNCIL'S REQUIREMENTS.
3. THE CONTRACTOR SHALL ENSURE THAT ALL SUBCONTRACTORS ARE INFORMED OF THEIR RESPONSIBILITIES IN MINIMISING THE POTENTIAL FOR SOIL EROSION AND POLLUTION TO DOWNSLOPE AREAS.
4. THE NON-DISTURBED PORTION OF THE CATCHMENT OUTSIDE OF OPERATING AREA IS TO BYPASS THE BASINS BY MEANS OF LINED CATCH DRAINS.
5. WHERE PRACTICABLE, THE SOIL EROSION HAZARD SHALL BE KEPT AS LOW AS POSSIBLE. LIMITATIONS TO ACCESS ARE TO BE VIA THE SEALED ACCESS ROAD UNLESS OTHERWISE APPROVED BY COUNCIL.
6. ENSURE THAT ALL DRAINS ARE OPERATING EFFECTIVELY AND SHALL MAKE ANY NECESSARY REPAIRS. REMOVE TRAPPED SEDIMENT WHERE THE CAPACITY OF THE TRAPPING DEVICE FALLS BELOW 60%.
7. CONSTRUCT ADDITIONAL EROSION OR SEDIMENT CONTROL WORKS AS MAY BE APPROPRIATE TO ENSURE THE PROTECTION OF DOWNSLOPE LANDS AND WATERWAYS.
8. MAINTAIN EROSION AND SEDIMENT CONTROL MEASURES IN A FULLY FUNCTIONING CONDITION AT ALL TIMES UNTIL THE SITE IS REHABILITATED.
9. REMOVE TEMPORARY SOIL CONSERVATION STRUCTURES AS THE LAST ACTIVITY IN THE REHABILITATION PROGRAM.
10. THE SEDIMENT AND EROSION CONTROL MEASURES SHOWN ON THIS PLAN ARE FOR THE INITIAL EARTHWORKS STAGES OF THE LOTS. IT ASSUMES THAT THE SURROUNDING ROADS HAVE ALREADY BEEN CONSTRUCTED AT THIS STAGE. AS CONSTRUCTION OF THE SITE PROGRESSES GEOTEXTILE INLET FILTERS WILL BE REQUIRED TO BE INSTALLED AROUND THE PROPOSED STORMWATER PITS.
11. ENSURE THAT ALL PITS IN SURROUNDING ROADS TO THIS SITE HAVE MESH & GRAVEL INLET FILTERS PLACED.

EROSION CONTROL REQUIREMENTS

1. CLEARLY VISIBLE BARRIER FENCING SHALL BE INSTALLED AT THE DISCRETION OF THE SITE SUPERINTENDENT TO ENSURE TRAFFIC CONTROL AND PROHIBIT UNNECESSARY SITE DISTURBANCE. VEHICULAR ACCESS TO THE SITE SHALL BE LIMITED TO ONLY THAT ESSENTIAL FOR CONSTRUCTION WORK AND SHALL ENTER THE SITE ONLY THROUGH THE STABILISED ACCESS POINT.
2. SOIL MATERIALS SHALL BE REPLACED IN THE SAME LAYERS THEY ARE REMOVED FROM THE GROUND i.e. ALL SUBSOILS ARE TO BE BURIED AND TOPSOIL IS TO BE RESPREAD ON THE SURFACE AT THE COMPLETION OF WORKS.
3. ALL DISTURBED AREAS ARE TO BE STABILISED WITHIN SEVEN WORKING DAYS OF THE COMPLETION OF LAND SHAPING. ALL DISTURBED AREAS ARE TO BE PROTECTED SO THAT THE LAND IS PERMANENTLY STABILISED WITHIN SIX MONTHS. TOPSOIL SHALL BE RESPREAD OVER THE SITE, OTHER THAN LOT RE-GRADING AREAS, TO A MINIMUM DEPTH OF 100mm ON BARE BUT TYNED SOIL SURFACES AND THE SITE SHALL BE REVEGETATED IN ACCORDANCE WITH THE FOLLOWING:

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Project: PROPOSED CENTRE BASED CHILDCARE
72 MULGOA ROAD, JAMISONTOWN, NSW

Title: SEDIMENT & EROSION CONTROL PLAN

Drawn	Designed	Date
L.Barron	T.Rozehnal	SEP 2020
Checked	Approved	Scale @A1
T.Rozehnal	A.Francis	1:250 @ A1

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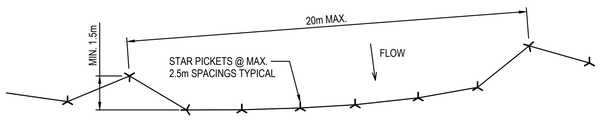
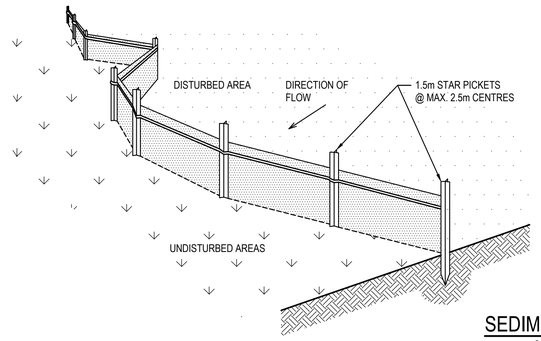
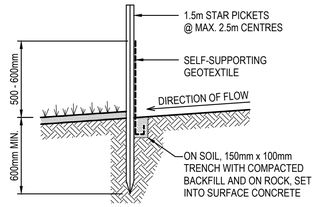


PLAN





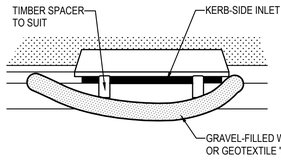
SECTION DETAIL

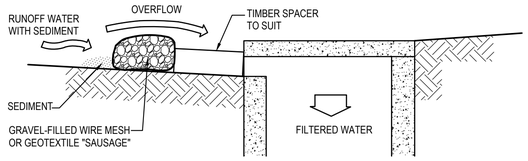
SEDIMENT FENCE

SCALE N.T.S.

SEDIMENT FENCE CONSTRUCTION NOTES:

1. CONSTRUCT SEDIMENT FENCES AS CLOSE AS POSSIBLE TO BEING PARALLEL TO THE CONTOURS OF THE SITE, BUT WITH SMALL RETURNS AS SHOWN IN THE DRAWING TO LIMIT THE CATCHMENT AREA OF ANY ONE SECTION. THE CATCHMENT AREA SHOULD BE SMALL ENOUGH TO LIMIT WATER FLOW IF CONCENTRATED AT ONE POINT TO 50 LITRES PER SECOND IN THE DESIGN STORM EVENT, USUALLY THE 10-YEAR EVENT.
2. CUT A 150mm DEEP TRENCH ALONG THE UPSLOPE LINE OF THE FENCE FOR THE BOTTOM OF THE FABRIC TO BE ENTRENCHED.
3. 3. DRIVE 1.5m LONG STAR PICKETS INTO GROUND @ 2.5m INTERVALS (MAX.) AT THE DOWNSLOPE EDGE OF THE TRENCH. ENSURE ANY STAR PICKETS ARE FITTED WITH SAFETY CAPS.
4. 4. FIX SELF-SUPPORTING GEOTEXTILE TO THE UPSLOPE SIDE OF THE POSTS ENSURING IT GOES TO THE BASE OF THE TRENCH. FIX THE GEOTEXTILE WITH WIRE TIES OR AS RECOMMENDED BY THE MANUFACTURER. ONLY USE GEOTEXTILE SPECIFICALLY PRODUCED FOR SEDIMENT FENCING. THE USE OF SHADE CLOTH FOR THIS PURPOSE IS NOT SATISFACTORY.
5. 5. JOIN SECTIONS OF FABRIC AT A SUPPORT POST WITH A 150mm OVERLAP. 6. BACKFILL THE TRENCH OVER THE BASE OF THE FABRIC AND COMPACT IT THOROUGHLY OVER THE GEOTEXTILE.



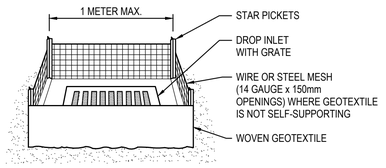


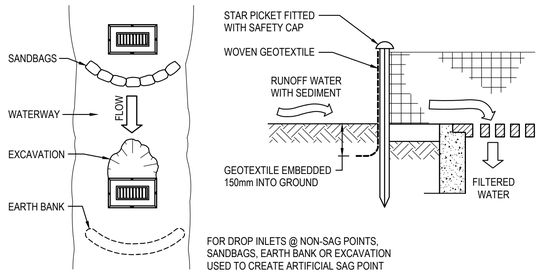
MESH & GRAVEL INLET FILTER CONSTRUCTION NOTES:

1. FABRICATE A SLEEVE MADE FROM GEOTEXTILE OR WIRE MESH LONGER THAN THE LENGTH OF THE INLET PIT AND FILL IT WITH 25mm TO 50mm GRAVEL.
2. FORM AN ELLIPTICAL CROSS-SECTION ABOUT 150mm HIGH x 400mm WIDE.
3. PLACE THE FILTER AT THE OPENING LEAVING AT LEAST A 100mm SPACE BETWEEN IT AND THE KERB INLET. MAINTAIN THE OPENING WITH SPACER BLOCKS.
4. FORM A SEAL WITH THE KERB TO PREVENT SEDIMENT BYPASSING THE FILTER.
5. SANDBAGS FILLED WITH GRAVEL CAN SUBSTITUTE FOR THE MESH OR GEOTEXTILE PROVIDING THEY ARE PLACED SO THAT THEY CAN FIRMLY ABUT EACH OTHER AND SEDIMENT / LADEN WATERS CANNOT PASS BETWEEN.

MESH & GRAVEL INLET FILTER

SCALE N.T.S.





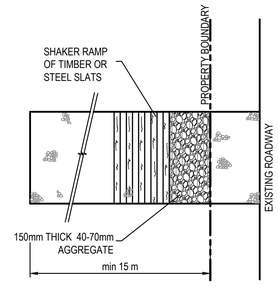
FOR DROP INLETS @ NON-SAG POINTS, SANDBAGS, EARTH BANK OR EXCAVATION USED TO CREATE ARTIFICIAL SAG POINT

GEOTEXTILE INLET FILTER CONSTRUCTION NOTES:

1. FABRICATE A SEDIMENT BARRIER MADE FROM GEOTEXTILE.
2. PICKET SPACING TO BE MAXIMUM 1.0m.
3. IN WATERWAYS, ARTIFICIAL SAG POINTS CAN BE CREATED WITH SANDBAGS OR EARTH BANKS AS SHOWN IN THE DRAWING.
4. DO NOT COVER THE INLET WITH GEOTEXTILES UNLESS THE DESIGN IS ADEQUATE TO ALLOW FOR ALL WATERS TO BYPASS IT.

GEOTEXTILE INLET FILTER

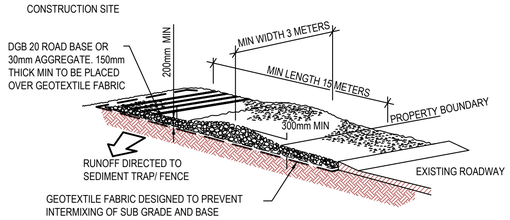
SCALE N.T.S.



PLAN

STABILISED SITE ACCESS WITH SHAKER RAMP

N.T.S.



STABILISED SITE ACCESS WITH SHAKER RAMP

N.T.S.

NOTES:

1. THIS DEVICE IS TO BE LOCATED AT ALL EXITS FROM CONSTRUCTION SITE.
2. THIS DEVICE IS TO BE REGULARLY CLEANED OF DEPOSITED MATERIAL SO AS TO MAINTAIN A 50mm DEEP SPACE BETWEEN PLANKS.
3. ANY UNSEALED ROAD BETWEEN THIS DEVICE AND NEAREST ROADWAY IS TO BE TOPPED WITH 100mm THICK 40-70mm SIZE AGGREGATE.
4. ALTERNATIVELY, THREE(3) PRECAST CONCRETE CATTLE GRIDS (AS MANUFACTURED BY *HUMES CONCRETE MAY BE USED. 1, 2 & 3 ABOVE ALSO APPLY.

CONSTRUCTION SEQUENCE

WORKS SHALL BE UNDERTAKEN IN THE FOLLOWING SEQUENCE:

1. INSTALL SEDIMENT FENCING AND CUT DRAINS TO MEET THE REQUIREMENTS OF THE SEDIMENT AND EROSION CONTROL PLAN. WASTE COLLECTION BINS SHALL BE INSTALLED ADJACENT TO SITE OFFICE.
2. CONSTRUCT STABILISED SITE ACCESS IN ACCORDANCE WITH HORNSBY SHIRE COUNCIL'S REQUIREMENTS.
3. REDIRECT CLEAN WATER AROUND THE CONSTRUCTION SITE.
4. INSTALL SEDIMENT CONTROL PROTECTION MEASURES AT ALL NATURAL AND MAN-MADE DRAINAGE STRUCTURES. MAINTAIN UNTIL ALL THE DISTURBED AREAS ARE STABILISED.
5. CLEAR AND STRIP THE WORK AREAS. MINIMISE THE DAMAGE TO THE GRASS AND LOW GROUND COVER OF NON-DISTURBED AREAS.
6. ANY DISTURBED AREAS, OTHER THAN BUILDING PAD AREAS, SHALL IMMEDIATELY BE COVERED WITH SITE TOPSOIL WITHIN 7 DAYS OF CLEARING. BUILDING PAD AREAS SHALL BE COVERED WITH BITUMEN EMULSION AS SPECIFIED.
7. APPLY PERMANENT STABILISATION TO SITE (LANDSCAPING).

ISSUED FOR S4.55 APPROVAL

SURVEY INFORMATION
SURVEYED BY: REAL SERVE
DATUM: A.H.D
ORIGIN: SSM 32986

REVISION	AMENDMENT	DRAWN	DESIGNED	DATE
01	ISSUED FOR S4.55 APPROVAL	MS	FZ	31.08.2021

Client: HomeCo
Architect: FIVE CANONS ARCHITECTURE

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Project: PROPOSED CENTRE BASED CHILDCARE
72 MULGOA ROAD, JAMISONTOWN, NSW

Title: SEDIMENT & EROSION CONTROL DETAILS

Drawn	Designed	Date
L.Barron	T.Rozehnal	SEP 2020
Checked	Approved	Scale @A1
T.Rozehnal	A.Francis	AS NOTED

Drawing number: 20820_S4.55_SE02
Revision: 01