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

GENERAL NOTES:

- 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.
- 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.
- ADJUST EXISTING SERVICE COVERS TO SUIT NEW FINISHED LEVELS TO RELEVANT AUTHORITY REQUIREMENTS WHERE NECESSARY.
- 6. REINSTATE AND STABILISE ALL DISTURBED LANDSCAPED AREAS.
- MINIMUM GRADE OF SUBSOIL SHALL BE 0.5% (1:200) FALL TO OUTLETS.
- 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.
- 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.

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LOCALITY SKETCH SCALE: N.T.S.

DRAWING SCHEDULE

20820_DA_C000	COVER SHEET, DRAWING SCHEDULE, NOTES & LOCALITY SKETCH
20820_DA_C100	GENERAL ARRANGEMENT PLAN
20820_DA_C200	STORMWATER MISCELLANEOUS DETAILS & PIT LID SCHEDULE
20820_DA_SE01	SEDIMENT & EROSION CONTROL PLAN
20820_DA_SE02	SEDIMENT & EROSION CONTROL DETAILS

FIVE CANONS ARCHITECTURE

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HomeCo

DRAWN DESIGNED DATE

SITEWORKS NOTES

- DATUM : A.H.D.
- COMMENCEMENT OF WORK.
 - DIRECTIONS OF THE SUPERINTENDENT.

- SURVEYOR.

- TO DEVELOPMENT AT THE SITE.

- DESIGNATED SAG POINT.

SUBGRADE PREPARATION - SITEWORKS.

- MATERIAL.

- OPTIMUM MOISTURE CONTENT (OMC).
- AND PLACEMENT ON SITE.
- MAXIMUM PARTICLE SIZE = 75mm MAXIMUM PLASTICITY INDEX = 15%



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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

ALL WORKS TO BE UNDERTAKEN IN ACCORDANCE WITH THE DETAILS SHOWN ON THE DRAWINGS & THE

 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

 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

 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

 ALL COVERS AND GRATES ETC TO EXISTING SERVICE UTILITIES ARE TO BE ADJUSTED TO SUIT NEW FINISHED SURFACE LEVELS WHERE APPLICABLE.

1. THE EXISTING SURFACE IS TO BE STRIPPED OF ANY PAVEMENTS, TOPSOIL OR OBVIOUS UNSUITABLE

2. EXCAVATE TO ACHIEVE SUBGRADE LEVELS WHERE NECESSARY.

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.

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

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

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

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.

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CENTRE BASED CHILDCARE ROAD, JAMISONTOWN, NSW	Drawn M.Stimova ^{Checked} T.Rozehnal	Designed T.Rozehnal Approved A.Francis	Date SEP 2020 Scale @A1 AS NOTED
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		Client HomeCo	Suite 2.01 828 Pacific Highway Gordon NSW 2072	Telephone +61 2 9417 8400 Facsimile		Project PROPOSED CENTRE BASED CHILDCARE	Drawn M.Stimova Checked	Designed T.Rozehnal Approved	Date SEP 2020 Scale @A1	
		Architect FIVE CANONS ARCHITECTURE	tagenen/	+61 2 9417 8337 <i>Email</i> email@hhconsult.com.au <i>Web</i>		GENERAL ARRANGEMENT PLAN	T.Rozehnal Drawing number	A.Francis	1:200	Revision
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<u>LEGEND</u>

<u>LEGEND</u>	
	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
КО	PROPOSED KERB ONLY
—— E — — — E — — —	EXISTING ELECTRICAL MAINS LINE
G G	EXISTING GAS LINE
S S	EXISTING SEWER LINE
TTT	EXISTING TELSTRA LINES
W W	EXISTING WATER LINE
SW SW 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.



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TABLE 1					
WEIGHT PASISNG (%)					
100					
100 TO 50					
100 TO 30					
50 TO 15					
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		0.1D	50	2.0
HS2	100 IF D<=1500, OR 150 IF D>=1500	0.3D	60	2.5
HS3		0.3D	70	4.0



INTERMEDIATE RISER (IR)



	(A-1)(A
	C-5)(c
	GD-1)
		DF
		1. Al
		2. C
т		3. PI RES
		4. BI ACC
		5. M
		6 N
		0.11

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.

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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			Client HomeCo	Suite 2.01 828 Pacific Highway Gordon NSW 2072	<i>Telephone</i> +61 2 9417 8400 <i>Facsimile</i>		Project PROPOSED
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ALL STORMWATER WORK TO COMPLY WITH AS 3500 PART 3. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE MINIMUM COVER OF 600mm ON ALL PIPES.

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

VINIMUM COVER OVER EXISTING PIPES FOR PROTECTION DURING CONSTRUCTION SHALL BE 800mm. 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 fc=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.

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.

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

PIT LID SCHEDULE

PIT/STRUCTURE NUMBER	DESCRIPTION
-2	PROPOSED 600x600 GRATED LIGHT DUTY LID CLASS 'B', IN ACCORDANCE WITH PENRITH CITY COUNCIL REQUIREMENTS.
(-6) (-7) (-8) (-9) (-1) (-2)	EXISTING STORMWATER PITS TO REMAIN
	150mm WIDE LIGHT DUTY GRATED DRAIN AND LIGHT DUTY FRAME CLASS 'B' IN ACCORDANCE WITH PENRITH CITY COUNCIL REQUIREMENTS.

RAINAGE NOTES:

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

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

CENTRE BASED CHILDCARE ROAD, JAMISONTOWN, NSW	^{Drawn} M.Stimova	Designed T.Rozehnal	Date SEP 2020
	Checked T.Rozehnal	Approved A.Francis	Scale @A1 AS NOTED
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Architect Architect FIVE CANONS ARCHITECTURE FIVE CANONS ARCHITECTURE		
DRAWN DESIGNED DATE	henry&hymas	SEDIMENT

LEGEND



TRAFFIC MANOEUVRING

PROPOSED SEDIMENTATION FENCE

PROPOSED VEHICLE SHAKER GRID

PROPOSED STABILISED SITE ACCESS

PROPOSED MESH & GRAVEL INLET FILTER

GEOTEXTILE INLET FILTER

GENERAL INSTRUCTIONS

- THIS SEDIMENT AND EROSION CONTROL WORKS FOR THE SITE SHALL BE CARRIED OUT IN 1. ACCORDANCE WITH THE REQUIREMENTS OF "MANAGING URBAN STORMWATER - SOILS AND CONSTRUCTION, 4TH EDITION (2004)" BY LANDCOM.
- AS REQUIRED BY BLACKTOWN CITY COUNCIL SEDIMENT CONTROL MEASURES WILL BE 2. 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.
- THE CONTRACTOR SHALL ENSURE THAT ALL SUBCONTRACTORS ARE INFORMED OF THEIR 3. 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.
- WHERE PRACTICABLE, THE SOIL EROSION HAZARD SHALL BE KEPT AS LOW AS POSSIBLE. 5. LIMITATIONS TO ACCESS ARE TO BE VIA THE SEALED ACCESS ROAD UNLESS OTHERWISE APPROVED BY COUNCIL.
- ENSURE THAT ALL DRAINS ARE OPERATING EFFECTIVELY AND SHALL MAKE ANY NECESSARY 6. 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.
- MAINTAIN EROSION AND SEDIMENT CONTROL MEASURES IN A FULLY FUNCTIONING CONDITION 8. 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

- 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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	Drawn M.Stimova Checked	Designed T.Rozehnal Approved	Date SEP 2020 Scale @A1
	T.Rozehnal Drawing number	A.Francis	1:250 @ A1 Revision
ERUSION CONTROL PLAN	20820	_DA_S	E01 01



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			Client				Project
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				Gordon NSW 2072	Facsimile		
			Architect	^ssugemen/	+61 2 9417 8337 Emeil	iii iii	
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- COVERED WITH SITE TOPSOIL WITHIN 7 DAYS OF CLEARING. BUILDING PAD AREAS

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CENTRE BASED CHILDCARE ROAD, JAMISONTOWN, NSW	Drawn M.Stimova	Designed T.Rozehnal	Date SEP 2020
	Checked T.Rozehnal	Approved A.Francis	Scale @A1 AS NOTED
& EROSION CONTROL DETAILS	Drawing number 20820_	_DA_SE	02 01

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Email email@hhconsult.com.au

Web www.henryandhymas.com.au



14 September 2020

Our Ref: 20820/tr

Jeckra 59 Belmont Road Mosman NSW 2088

Attention: Rory Macleod

Dear Sir,

Re: CIVIL DESIGN STATEMENT FOR PROPOSED CHILDCARE DEVELOPMENT

SUBJECT PREMISES: 72 MULGOA ROAD, JAMISONTOWN NSW

Pursuant to the provisions of the Clause A2.2 of the Building Code of Australia, I hereby certify that the above design is in accordance with best engineering practice and in our opinion meets the requirements of the Environmental Planning and Assessment Regulations of the Building Code of Australia, relevant Australian Standards and conditions of Development Consent. In particular, the design is in accordance with the following:

- AS3500.3 'National Plumbing and Drainage Code' Part 3: Stormwater Drainage 2015
- Australian Rainfall and Runoff, 1987 Parts 1 & 2
- Penrith City Council's Stormwater Drainage Specification
- Landcom Managing Urban Stormwater Soils and Construction, Volume 1, 4th Edition March 2004

The stormwater engineering drawings listed on the following page have been designed in accordance with the relevant Australian Standards and codes of practice (listed above) and Council policies/regulations.





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20820_DA_C000	COVER SHEET, DRAWING SCHEDULE, NOTES & LOCALITY	01
	SKETCH	
20820_DA_C100	GENERAL ARRANGEMENT PLAN	01
20820_DA_C200	STORMWATER MISCELLANEOUS DETAILS & PIT LID	01
	SCHEDULE	
20820_DA_SE01	SEDIMENT & EROSION CONTROL PLAN	01
20820_DA_SE02	SEDIMENT & EROSION CONTROL DETAILS	01

Designer:	Thomas Rozehn	al (Civil Engineer)
Qualifications:	B.E. (Civil)	
Employer:	H & H Consulting	g Engineers Pty Ltd
Address:	Level 5, 79 Victo	oria Ave CHATSWOOD
Business Tel. No:	9417 8400	Fax No: 9417 8337
Independently		

reviewed and		
approved by:	Andrew Francis (I	Principal)
Qualifications:	B.E. (Civil)	
Employer:	H & H Consulting	Engineers Pty Ltd
Address:	Level 5, 79 Victor	ia Ave CHATSWOOD
Business Tel. No:	9417 8400	Fax No: 9417 8337

Henry & Hymas Consulting Engineers possesses indemnity insurance to the satisfaction of the Client. However, this certificate shall not be construed in any way to relieve any other party of their responsibilities.

Yours faithfully,

THOMAS ROZEHNAL For, and on behalf of, H & H Consulting Engineers Pty Ltd