

STORMWATER MANAGEMENT PLAN

PROPOSED CHILDCARE CENTER

30 MARSKELL CIRCUIT, MUDGEE NSW

GENERAL NOTES:

- THE BUILDER/CONTRACTOR SHALL LOCATE ALL EXISTING PUBLIC UTILITY SERVICES WITHIN THE SITE, FOOTPATH AREA AND ROAD RESERVE PRIOR TO THE COMMENCEMENT OF ANY WORKS. ALL LOCATIONS AND LEVELS OF SERVICES SHALL BE REPORTED TO THE STORMWATER ENGINEER PRIOR TO THE COMMENCEMENT OF ANY WORKS TO ENSURE THERE ARE NO OBSTRUCTIONS IN THE LINE OF THE DRAINAGE DISCHARGE PIPES.**
- THE BUILDER IS TO VERIFY ALL LEVELS ON SITE PRIOR TO COMMENCING CONSTRUCTION. SILT FENCE IS TO BE ERECTED PRIOR TO COMMENCING WORK. FENCE TO BE MAINTAINED IN WORKING ORDER DURING TIME OF CONSTRUCTION.
- W.A.E. DRAWING BY A REGISTERED SURVEYOR IS REQUIRED PRIOR TO CERTIFICATION OF DRAINAGE.
- ALL THE CLEANING EYES (OR INSPECTION EYES) FOR THE UNDER GROUND PIPES HAVE TO BE TAKEN UP TO THE FINISHED GROUND LEVEL FOR EASY IDENTIFICATION AND MAINTENANCE PURPOSES.
- ALL TERRACE FLOOR & PLANTER GRATES TO HAVE FIRE COLLARS FITTED.
- ALL PITS HAVING AN INTERNAL DEPTH THAT EXCEEDS 1.0m SHALL BE PROVIDED WITH GALVANISED STEEL IRONS AT 300mm CENTRES PLACED IN A STAGGERED PATTERN AND SHALL BE IN ACCORDANCE WITH THE AUSTRALIAN STANDARDS AS 4198-1994.
- ALL LEVELS SHALL RELATE TO THE ESTABLISHED BENCH MARK.
- THE BASE OF ALL DRAINAGE PITS SHALL BE BENCHMARKED TO THE INVERT OF THE OULET PIPE.
- ALL GUTTERS SHALL BE MINIMUM 145 x 75mm AND DOWNPIPES SHALL BE MINIMUM 100 x 75mm UNLESS NOTED OTHERWISE.
- ALL STORMWATER DRAINAGE PIPES SHALL BE A MINIMUM Ø100mm PVC LAID AT 1% MINIMUM GRADE UNLESS NOTED OTHERWISE ON THE DRAWING. WHERE GROUND COVER OVER THE PIPES IS LESS THAN 300mm THE STORMWATER PIPES SHALL BE SEWER GRADE UPVC.
- THE BUILDER SHALL ENSURE THAT THE STORMWATER ENGINEERING DRAWINGS CORRESPOND TO THE ARCHITECTURAL, STRUCTURAL AND LANDSCAPE DRAWINGS.
- IF THERE EXISTS ANY DISCREPANCIES BETWEEN THE DRAWINGS THE BUILDER SHALL REPORT THE DISCREPANCIES TO THE ENGINEER PRIOR TO COMMENCEMENT OF ANY WORKS.
- ALL MULCHING TO BE USED WITHIN THE AREA DESIGNATED AS ON SITE DETENTION STORAGE SHALL BE OF A NON-FLOATABLE MATERIAL SUCH AS DECORATIVE RIVER GRAVEL. PINE BARK MULCHING SHALL NOT BE USED WITHIN THE DETENTION STORAGE AREA.
- ALL WORKS WITHIN THE FOOTPATH AREA SHALL BE SUITABLY BARRICADED AND SIGNPOSTED IN ACCORDANCE WITH A TRAFFIC MANAGEMENT PLAN THAT HAS BEEN PREPARED BY A QUALIFIED AND RMS ACCREDITED TRAFFIC ENGINEER AND APPROVED BY COUNCIL.
- IT IS THE RESPONSIBILITY OF THE BUILDER OR CONTRACTOR CARRYING OUT THE WORKS WITHIN THE FOOTPATH AREA AND ROAD RESERVE TO OBTAIN THE NECESSARY APPROVED DOCUMENTS AS OUTLINED ABOVE.
- ALL RETAINING WALLS SHALL BE CONSTRUCTED COMPLETELY WITHIN THE PROPERTY BOUNDARY LIMITS TO DETAILS PREPARED BY THE STRUCTURAL ENGINEER. WALLS FORMING THE ON SITE DETENTION SYSTEM SHALL BE OF MASONRY/BRICK CONSTRUCTION AND SHALL BE WATER TIGHT.
- ALL SUB-SOIL DRAINAGE SHALL BE A MINIMUM OF Ø65mm AND SHALL BE PROVIDED WITH A FLITER SOCK. THE SUBSOIL DRAINAGE SHALL BE INSTALLED IN ACCORDANCE WITH DETAILS TO BE PROVIDED BY THE LANDSCAPE ARCHITECT.
- PRIOR TO COMMENCING ANY WORKS ON THE SITE, THE BUILDER SHALL ENSURE THAT THE INVERT LEVELS OF WHERE THE SITES STORMWATER SYSTEM CONNECTS INTO THE COUNCIL'S KERB/DRAINAGE SYSTEM MATCHES THE DESIGN LEVELS. ANY DISCREPANCIES SHALL BE REPORTED TO THE DESIGN ENGINEER IMMEDIATELY.

SERVICES NOTES:

- IT IS THE CONSTRUCTORS RESPONSIBILITY TO NOTIFY THE RELEVANT SERVICES AUTHORITIES OF THE WORKS AND VERIFY THE LOCATION OF ALL EXISTING SERVICES PRIOR TO ANY CONSTRUCTION ACTIVITIES COMMENCING.
- THE CONSTRUCTOR SHALL LIAISE AND COORDINATE THE TIMING OF THE CONSTRUCTION OF THE WORKS WITH THE RELEVANT SERVICES AUTHORITIES AND/OR OTHER CONSTRUCTORS INSTALLING SERVICES CONCURRENTLY AT THIS SITE.
- THE LOCATION OF ALL EXISTING SERVICES SHOWN ON THE DRAWINGS ARE APPROXIMATE ONLY AND HAVE BEEN TAKEN FROM INFORMATION PROVIDED BY THE RELEVANT SERVICE AUTHORITIES.
- THE CONSTRUCTOR SHALL BE RESPONSIBLE FOR ALL DAMAGE CAUSED TO EXISTING SERVICES AS A RESULT OF THE CONSTRUCTION WORKS.
- THE COORDINATION OF TELECOMMUNICATIONS, ELECTRICAL, GAS, WATER, SEWER, STORMWATER AND ANY OTHER SERVICE SHALL BE THE RESPONSIBILITY OF THE CONSTRUCTOR.

BOX GUTTER NOTES:

- ALL BOX GUTTERS TO HAVE A MINIMUM UNIFORM SLOPE OF 0.5% OVER THE ENTIRE GUTTER LENGTH U.N.O.
- PLUMBER / BUILDER IS TO ENSURE THAT ALL EMERGENCY OVERFLOW PROVISIONS DETAILED ARE IMPLEMENTED IN ACCORDANCE WITH THE APPROVED PLANS AS WELL AS ADDITIONAL MEASURES WHERE DEEMED NECESSARY ON SITE
- BOX GUTTER WIDTH AND DEPTH SHOWN ON THIS PLAN ARE THE MINIMUM ALLOWABLE DIMENSIONS AT THE UPSTREAM END/CREST OF GUTTER U.N.O.
- ALL RESIDENTIAL BOX GUTTERS TO HAVE A MINIMUM WIDTH OF 200MM

LEGEND:

- PROPOSED PIEWORK
- PROPOSED PUMP RISER
- PIPE CAST IN SLAB
- PROPOSED AG. LINE
- × SILT FENCE
- DDP
- × 73.88
- FALL
- FG
- SPS FG
- PG
- GRATED DRAIN
- SURFACE INLET PIT
- SEALED JUNCTION PIT
- CE
- CLEANING EYE

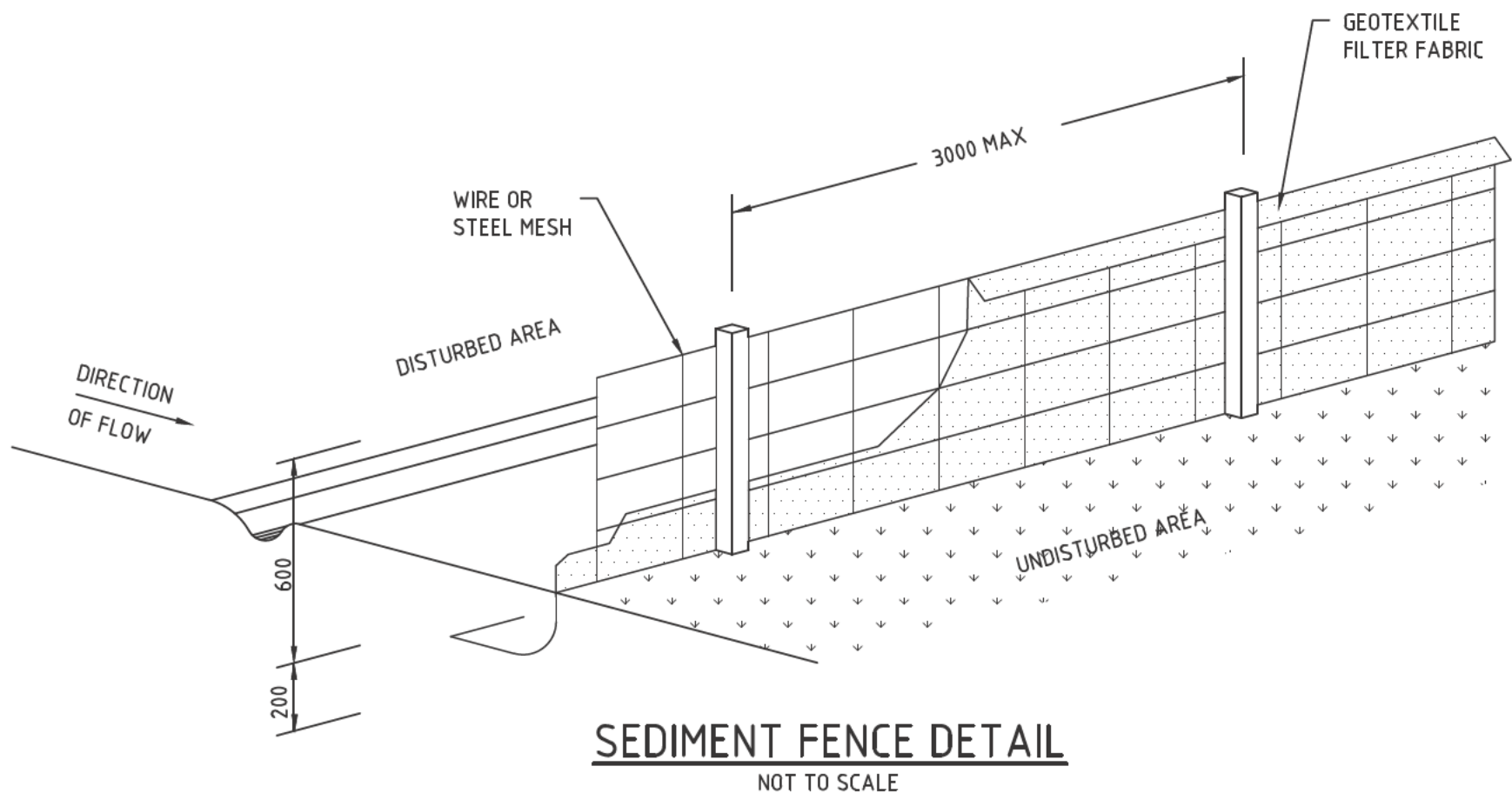
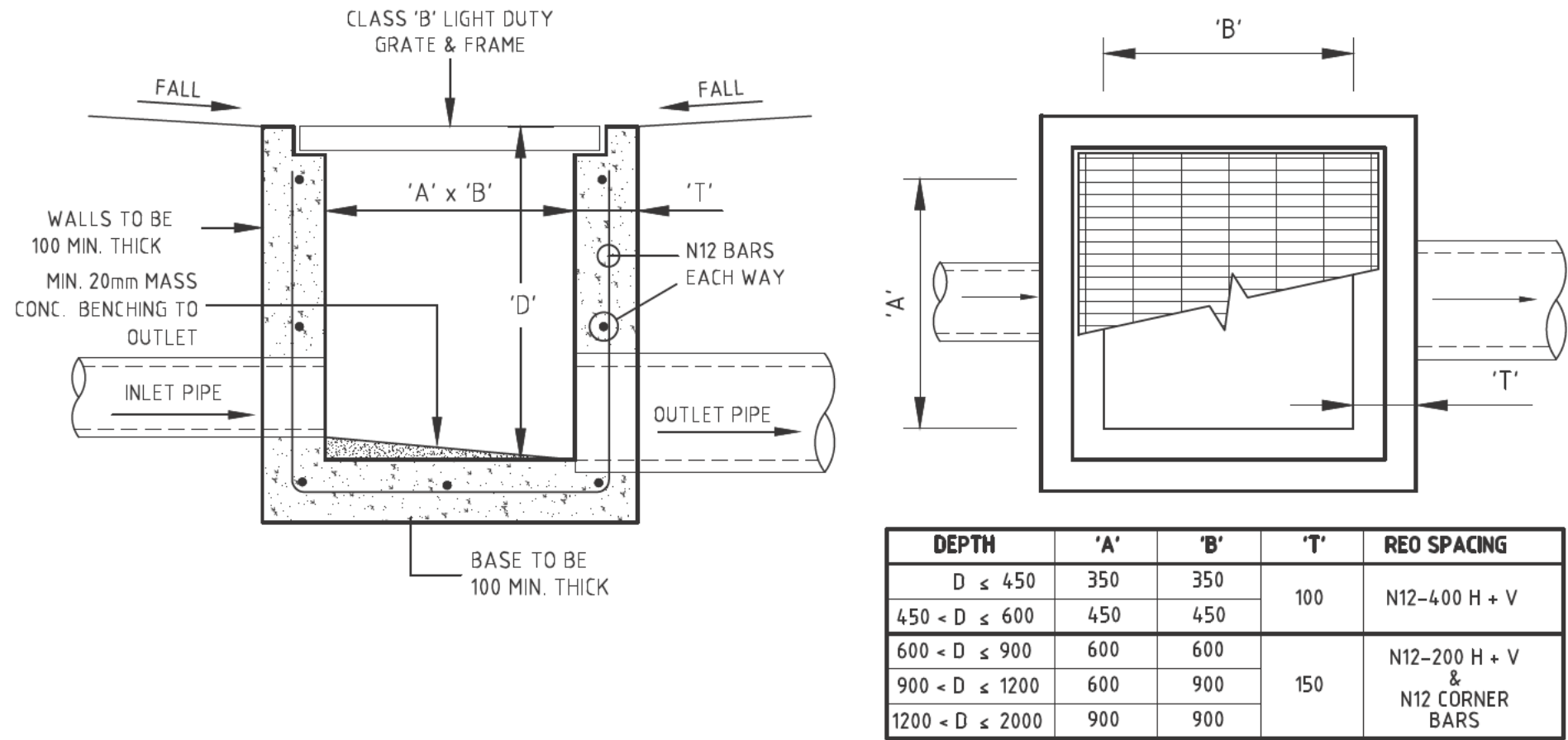
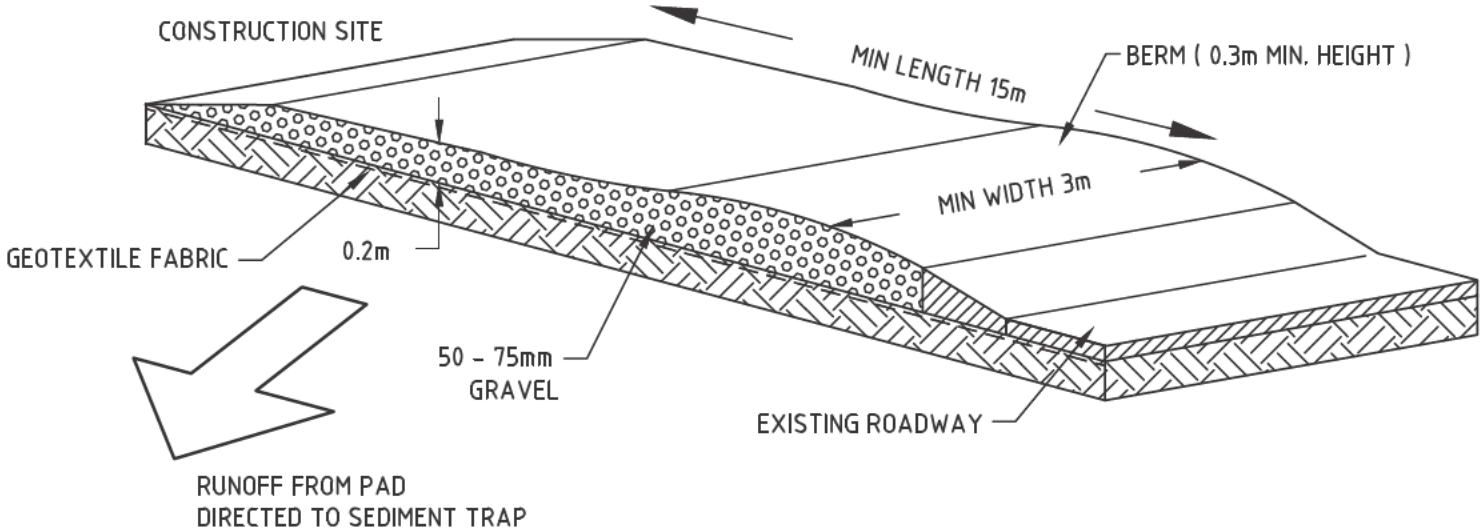
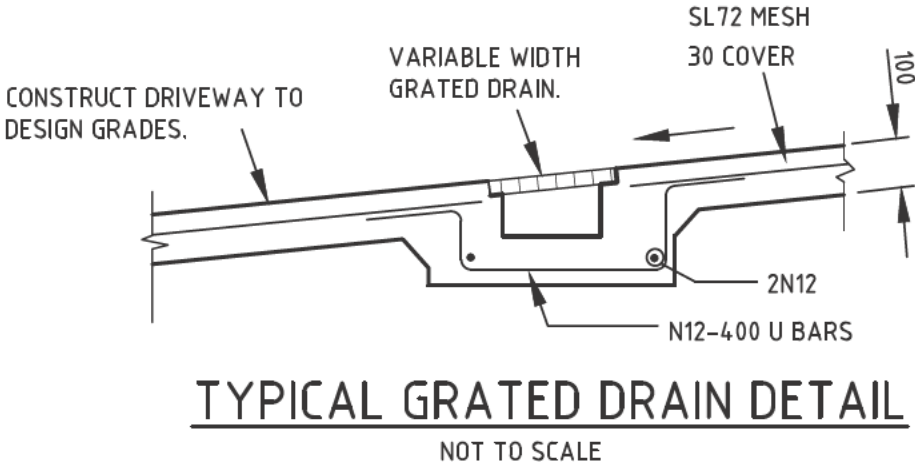
- PIT P1**
S.L. 10.45
S.L. 10.45
LL. 10.00
- GDI**
200x100
S.L. 10.45
LL. 10.00
- PIT NO.
--- PIT SIZE
--- SURFACE LEVEL
--- INVERT LEVEL
- GRATED DRAIN NO.
--- WIDTH & DEPTH
--- SURFACE LEVEL
--- PIPE INV. LEVEL
- F.F.L. denotes FINISHED FLOOR LVL
F.G.L. denotes FINISHED GARAGE LVL
S.L. denotes SURFACE LEVEL
I.L. denotes PIT/PIPE INVERT
C.L. denotes ORIFICE CENTERLINE
T.K. denotes TOP OF KERB
G.I. denotes GUTTER INVERT
L.I.P. denotes LIP LINE
L.B. denotes LAY BACK
B.P. denotes BACK OF PATH
F.P. denotes FRONT OF PATH
B.D.Y. denotes BOUNDARY
E.B. denotes EDGE OF BITUMEN
C.R. denotes CENTRELINE
P.P. denotes POWER POLE
S.C. denotes SAW CUT

RAINWATER TANK NOTES:

- LABELS SHALL BE FIXED ADJACENT TO ALL OUTDOOR WATERING TAPS STATING THAT THE WATER IS NOT TO BE CONSUMED.
- AN EMERGENCY MAINS TAP SHALL BE PROVIDED ADJACENT TO THE WATER METER AND CONNECTED TO THE MAINS SUPPLY
- RAINWATER TANK SUPPLY SHALL NOT BE CONNECTED TO DRINKING AND BATHING WATER TAP OUTLETS.
- FIRST FLUSH DEVICES TO BE FITTED TO ALL DOWNPIPES CONNECTED TO RAINWATER TANK.
- TANK SHALL BE CONNECTED TO A SYDNEY WATER APPROVED CONTROL PANEL TO ENSURE MAINS WATER SUPPLY IS PROVIDED WHEN TANK EMPTIES.
- ALL PIPES WITHIN CHARGED RAINWATER COLLECTION SYSTEM TO BE MIN. Ø100 UPVC AND ALL JOINTS SOLVENT WELDED.
- ALL PLUMBING WORKS SHALL BE CARRIED OUT BY A LICENSED PLUMBER IN ACCORDANCE WITH SYDNEY WATER GUIDELINES AND THE "NSW CODE OF PRACTICE: PLUMBING & DRAINAGE".

SEDIMENT & EROSION CONTROL NOTES:

- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CONSTRUCTED, PLACED AND MAINTAINED IN ACCORDANCE WITH THE HILLS SHIRE COUNCIL STANDARDS AND THE DEPARTMENT OF HOUSING'S "MANAGING URBAN STORMWATER: SOILS AND CONSTRUCTION" MANUAL.
- NO CONSTRUCTION WORKS ARE TO COMMENCE ON SITE UNTIL ALL EROSION AND SEDIMENT CONTROL MEASURES ARE IN PLACE AND HAVE BEEN INSPECTED AND APPROVED BY THE PRINCIPAL CERTIFYING AUTHORITY.
- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REGULARLY INSPECTED, IN PARTICULAR AFTER STORMS, AND REPAIRED OR MAINTAINED AS REQUIRED TO ENSURE THE MEASURES' CORRECT AND EFFICIENT FUNCTION THROUGHOUT THE DURATION OF THE WORKS, UNTIL SUCH TIME AS THE PRINCIPAL CERTIFYING AUTHORITY AUTHORISES THE REMOVAL OF SUCH MEASURES.
- ALL STOCKPILES SHALL BE CLEAR OF ALL TREES AND DRAINAGE LINES (INCLUDING OVERLAND FLOW PATHS) AND PROTECTED FROM EROSION.
- DUST CONTROL MEASURES SHALL BE IMPLEMENTED CONTINUOUSLY DURING CONSTRUCTION
- ALL AREAS OF THE SITE DISTURBED AND GRADED SHALL BE REVEGETATED AS SOON AS CONSTRUCTION WORKS HAVE BEEN COMPLETED.



SCALE BAR 1:100		0 1 2 3 4 5 10	
MJW		CIVIL & STORMWATER CONSULTING ENGINEERS	
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A FOR APPROVAL		BY DATE	
ISSUE		DESCRIPTION	
PROJECT			
PROPOSED CHILDCARE CENTER 30 MARSKELL CIRCUIT MUDGEE NSW			
DRAWING TITLE			
STORMWATER LAYOUT PLAN TITLE PAGE, NOTES & DETAILS			
		ISSUED FOR COUNCIL APPROVAL	
CHECKED AND APPROVED BY: Signature		Date: 28/01/2025	
MATHEW J. WAHBE DIRECTOR - B.E.Hons (CIVIL) MIEAust NO. 6163505			
DESIGNED	MJW	JOB NUMBER	1170-DA
CHECKED	MJW	SHEET NUMBER	SW001
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MARSKELL

CIRCUIT

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LEGEND:

--- PROPOSED PIEWORK
--- SILT FENCE
x 73.88 EXISTING LEVEL
x 73.88 PROPOSED LEVEL
FALL ROOF / SURFACE FALL

--- SURFACE INLET PIT
--- SEALED JUNCTION PIT
--- CLEANING EYE

PIT P1
450x450
S.L. 455.05
I.L. 454.00

--- PIT NO.
--- PIT SIZE
--- SURFACE LEVEL
--- INVERT LEVEL

SCALE BAR 1:100

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NO.	FOR APPROVAL	DATE
A	FOR APPROVAL	28/01/2025

PROJECT: PROPOSED CHILDCARE CENTER
30 MARSKELL CIRCUIT
MUDGEES NSW

DRAWING TITLE: STORMWATER LAYOUT PLAN
GROUND FLOOR PLAN, NOTES & DETAILS

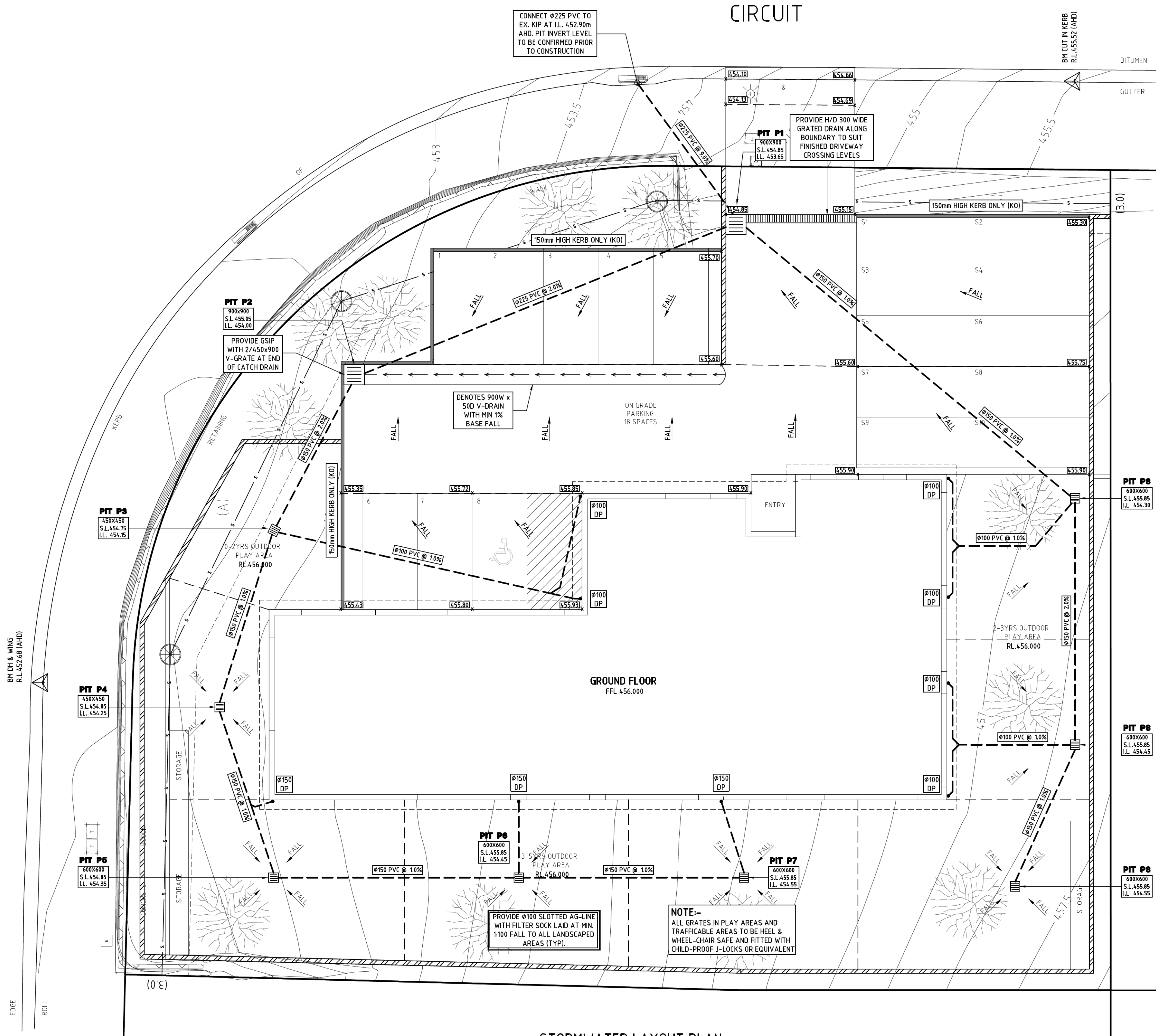
ISSUED FOR COUNCIL APPROVAL

CHECKED AND APPROVED BY: **MATHEW J. WAHBE**
DIRECTOR - B.E. HONS (CIVIL) M.E. AUST NO. 6163505

Date: 28/01/2025

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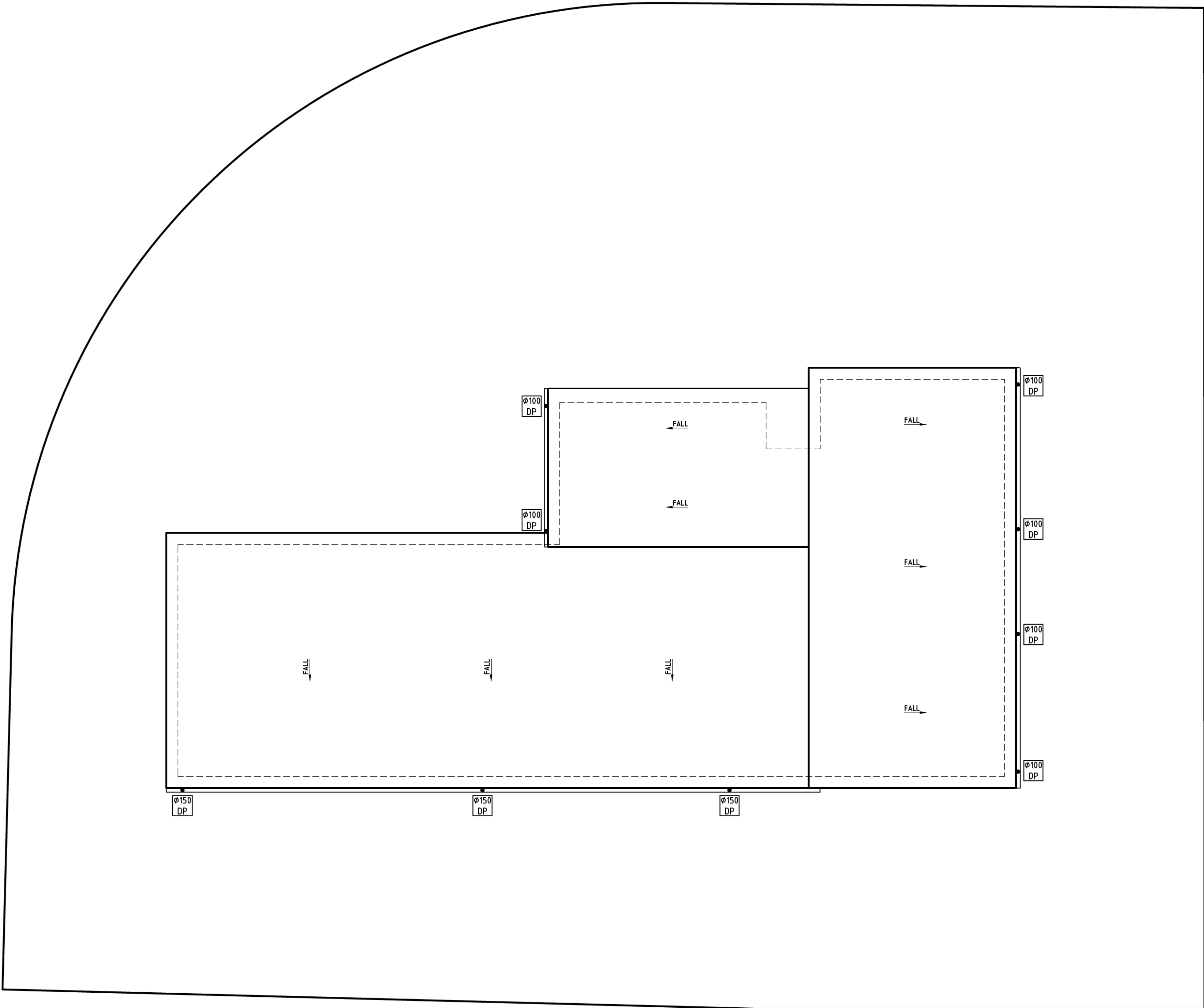
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STORMWATER LAYOUT PLAN
GROUND FLOOR
SCALE 1:100

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(VACANT)

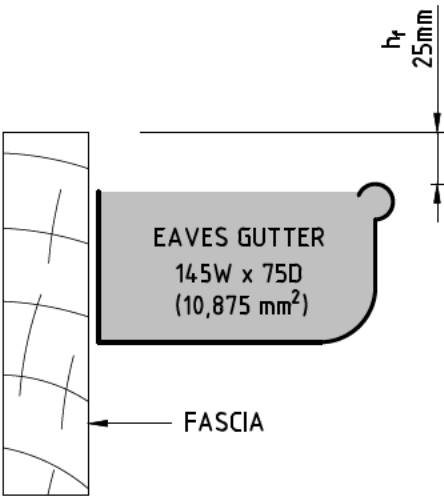
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STORMWATER LAYOUT PLAN
ROOF LEVEL
SCALE 1:100

ROOF NOTES:

- INSTALL 50mm uPVC SPITTER PIPES 20mm ABOVE SURFACE LEVEL FOR BALCONY AND CONCRETE ROOF AREAS TO ALLOW FOR EMERGENCY OVERFLOW IN CASE OF BLOCKAGES DURING HEAVY STORMS. PLUMBER TO CONFIRM LOCATION DURING CONSTRUCTION.
- ALL BUILDING AND HYDRAULIC SERVICES TO BE PROPERLY CO-ORDINATED WITH STORMWATER PIPES AND ENSURE NO CLASHES ARE PRESENT DURING CONSTRUCTION (TYP).
- STORMWATER PIPE ARRANGEMENT TO BE CO-ORDINTED WITH STRUCTURAL SLAB AND BEAMS WHERE REQUIRED (TYP).
- BALCONY, TERRACE & CONCRETE ROOF AREAS TO SLOPE TOWARDS RAINWATER OUTLETS WHERE REQUIRED (TYP).
- ARROW DENOTES THE SLOPE OF FINISHED SURFACE LEVEL (TYP).
- DOWNPINES SHOWN ON PLAN ARE TO BE Ø100mm uPVC U.N.O. (TYP).
- PROPOSED DOWNPIPE LOCATIONS ARE NOMINAL AND TO BE CONFIRMED DURING CONSTRUCTION (TYP).
- INSTALL DOWNPIPE WITH SPREADER (IF REQUIRED) TO DISPERSE STORMWATER ONTO LOWER ROOF AREAS EFFECTIVELY.
- PROVIDE SURFACE DRAINAGE FOR ALL CONCRETE AND BALCONY ROOF AREAS WHERE REQUIRED.



TYPICAL EAVES GUTTER DETAIL
(TYPE LOW-FRONT)
NOT TO SCALE

SCALE BAR 1:100			
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A		FOR APPROVAL	MJW 28/01/2025
ISSUE	DESCRIPTION		BY DATE
PROJECT			
PROPOSED CHILDCARE CENTER 30 MARSKELL CIRCUIT MUDGEES NSW			
DRAWING TITLE			
STORMWATER LAYOUT PLAN FIRST FLOOR & ROOF PLAN, NOTES & DETAILS			
		ISSUED FOR COUNCIL APPROVAL	
CHECKED AND APPROVED BY: Signature		Date: 28/01/2025	
MATHEW J. WAHBE DIRECTOR - B.E.Hons (CIVIL) MIEAust NO. 6163505			
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CHECKED	MJW		
DATUM	AHD	SHEET NUMBER SW020	A1
SCALE	1:100		