& 49 WARRIEW(0)0D

GENERAL NOTES:

ALL WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH COUNCIL'S REQUIREMENTS, BUILDING CODE OF AUSTRALIA, NSW CODE OF PRACTICE AND THE TO THE RELEVANT SERVICE CODES.

THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL ARCHITECTURAL AND OTHER CONSULTANTS' DRAWINGS AND SPECIFICATIONS AND WITH SUCH OTHER WRITTEN INSTRUCTIONS AS MAY BE ISSUED DURING THE COURSE OF THE CONTRACT. ALL DISCREPANCIES SHALL BE REFERRED TO THE SUPERINTENDENT FOR DECISION BEFORE PROCEEDING WITH THE WORK.

ALL DIMENSIONS SHOWN ON THE DRAWINGS ARE IN MILLIMETERS (U.N.O.). DIMENSIONS SHALL NOT BE OBTAINED BY SCALING OF THESE DRAWINGS. USE FIGURED DIMENSIONS ONLY.

BENCHMARKS HAVE BEEN ESTABLISHED WHERE INDICATED ON THE DRAWINGS. ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM (A.H.D.). THE CONTRACTOR SHALL UNDERTAKE ALL NECESSARY SURVEY WORK TO ENSURE THAT THE WORKS ARE CONSTRUCTED TO DESIGN LINE AND LEVEL.

SETTING OUT DIMENSIONS AND LEVELS SHOWN ON THE DRAWINGS SHALL BE VERIFIED BY THE CONTRACTOR.

ALL MATERIALS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE RELEVANT SAA CODES AND THE BY-LAWS AND ORDINANCES OF THE RELEVANT BUILDING AUTHORITIES.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL SAFETY FENCES, WARNING SIGNS, TRAFFIC DIVERSIONS AND THE LIKE DURING CONSTRUCTION. ALL WORKS TO COMPLY WITH WORK HEALTH AND SAFETY REQUIREMENTS AND OTHER RELEVANT AUTHORITY SAFETY REQUIREMENTS.

NO TREES SHALL BE REMOVED, CUTBACK OR RELOCATED WITHOUT THE WRITTEN INSTRUCTION FROM THE SUPERINTENDENT.

WHERE NEW WORKS ABUT EXISTING THE CONTRACTOR SHALL ENSURE THAT A SMOOTH EVEN PROFILE. FREE FROM ABRUPT CHANGES IS OBTAINED.

ALL WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH THE DETAILS SHOWN ON THE DRAWINGS AND THESE SPECIFICATIONS.

DESIGN LEVELS GIVEN ARE TO FINISHED SURFACE LEVEL AND INCLUSIVE OF TOPSOIL. (TOPSOIL DEPTH VARIES)

THE CONTRACTOR SHALL ARRANGE ALL SURVEY SETOUT TO BE CARRIED OUT BY A N.A.T.A. REGISTERED SURVEYOR.

CARE IS TO BE TAKEN WHEN EXCAVATING NEAR EXISTING SERVICES. NO MECHANICAL EXCAVATIONS ARE TO BE UNDERTAKEN OVER TELECOMMUNICATIONS OR ELECTRICAL SERVICES. HAND EXCAVATE IN THESE AREAS.

THE LOCATIONS OF UNDERGROUND SERVICES SHOWN ON THE DRAWING HAVE BEEN PLOTTED FROM DIAGRAMS PROVIDED BY SERVICE AUTHORITIES. THIS INFORMATION HAS BEEN PREPARED SOLELY FOR THE AUTHORITIES OWN USE AND MAY NOT NECESSARILY BE UPDATED OR ACCURATE.

THE POSITION OF SERVICES AS RECORDED BY THE AUTHORITY AT THE TIME OF INSTALLATION MAY NOT REFLECT CHANGES IN THE PHYSICAL ENVIRONMENT SUBSEQUENT TO INSTALLATION.

CAPITAL ENGINEERING CONSULTANTS DOES NOT GUARANTEE THAT THE SERVICES INFORMATION SHOWN ON THE DRAWING SHOWS MORE THAN THE PRESENCE OR ABSENCE OF SERVICES. AND WILL ACCEPT NO LIABILITY FOR INACCURACIES IN THE SERVICES INFORMATION SHOWN FROM ANY CAUSE WHATSOEVER.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN FROM THE UTILITY SERVICES AUTHORITIES A CURRENT COPY OF UNDERGROUND SERVICES SEARCH FOR THE LOCATION OF ALL EXISTING SERVICES PRIOR TO COMMENCEMENT OF ANY WORK AND NOTIFY ANY CONFLICT WITH THE DRAWINGS IMMEDIATELY CLEARANCE SHALL BE OBTAINED FROM THE RELEVANT REGULATORY AUTHORITY. CONTRACTOR TO KEEP COPY OF UNDERGROUND SERVICES SEARCH ON SITE AT ALL TIMES. ANY DAMAGES TO SERVICES OR SERVICES ADJUSTMENTS SHALL BE CARRIED OUT BY THE CONTRACTOR OR RELEVANT AUTHORITY AT THE CONTRACTOR'S EXPENSE.

VISIT THE SITE BEFORE SUBMITTING THE FINAL TENDER PRICE TO ASSESS 'ON SITE' CONDITIONS. FAILURE TO DO SO WILL FORFEIT ANY CLAIM FOR NOT BEING AWARE OF CONDITIONS AFFECTING THE

THE CONTRACTOR SHALL PREPARE ACCURATE WORK-AS-EXECUTED DRAWINGS FOLLOWING THE COMPLETION OF ALL WORKS.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO HAVE IN PLACE & MAINTAIN TRAFFIC FACILITIES AT ALL TIMES DURING CONSTRUCTION.

STORMWATER NOTES:

ALL WORK SHALL BE CARRIED OUT IN ACCORDANCE AS3500.3-2018: 'STORMWATER DRAINAGE'

FOR STORMWATER DRAINAGE PIPES THAT EXCEED 1:5 GRADE, REINFORCED CONCRETE ANCHOR BLOCKS SHALL BE INSTALLED. ANCHOR BLOCKS TO BE CONSTRUCTED TO SPECIFICATIONS SET OUT IN AS3500.3-2018.

COORDINATE THE INSTALLATION OF NEW SERVICES WITH ALL NEW & EXISTING SERVICES & STRUCTURAL PROVISIONS AS DETERMINED ON SITE.

ALL PIPEWORK TO BE SUPPORTED IN ACCORDANCE WITH AS3500.3-2018.

ALL PIPEWORK IS TO BE TESTED IN ACCORDANCE WITH THE REQUIREMENTS AS SET DOWN IN AS3500.3-2018. ALL IN-GROUND PIPEWORK TO BE INSPECTED BY THE SUPERINTENDENT UNDER TEST CONDITIONS PRIOR TO BACKFILLING.

PIPES SHALL BE TRUE TO GRADES SHOWN AND ALIGNED SO THAT THE CENTRE OF THE INLET PIPE INTERSECTS WITH THE CENTRE OF THE OUTLET PIPE AT THE DOWNSTREAM FACE OF THE PIT.

BED ALL PIPES FIRMLY AND EVENLY WITH IMPORTED FILL ONLY. THICKNESS OF BEDDING LAYER SHALL BE 75mm IN SOIL AND 200mm IN ROCK.

LAY AND JOINT ALL PIPES IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND AS3725-2007: DESIGN FOR INSTALLATION OF BURIED CONCRETE PIPES'.

ALLOW TO TEST ALL PIPES AND PITS TO LOCAL AUTHORITY'S REQUIREMENTS.

EXCAVATE TRENCHES AND STOCKPILE ALL MATERIAL FOR INSPECTION WITH REGARD TO REUSE FOR TRENCH BACKFILL. REMAINING MATERIAL TO BE REMOVED FROM SITE.

BACKFILL PIPES WITH IMPORTED FILL. PROVIDE 200mm SIDE SUPPORT AND 150mm OVERLAY ABOVE PIPE CROWN. TRENCH FILL ABOVE THE EMBEDMENT ZONE TO THE UNDERSIDE OF THE ROAD PAVEMENT OR THE FOOTWAY SHALL BE AS FOLLOW: -

TRENCH FILL MATERIAL SHALL CONSIST OF IMPORTED FILL AS SPECIFIED HEREIN OF EITHER HIGH GRADE COMPACTION SAND OR APPROVED CRUSHED ROAD GRAVEL CONFORMING TO RMS QA SPECIFICATION 3051 OR SIMILAR.

TRENCH MATERIAL EXCAVATED SHALL CONSIST OF SELECT FILL AS SPECIFIED HEREIN AND SHALL NOT CONTAIN MORE THAN 20% OF STONES OF SIZE BETWEEN 25mm AND 75mm AND NONE LARGER THAN 75mm. PRIOR TO USE OF THE EXCAVATED MATERIAL IT SHALL BE INSPECTED AND APPROVED BY THE ENGINEER.

COMPACT BEDDING. EMBEDMENT AND TRENCH FILL MATERIALS AS FOLLOW: -

EMBEDMENT: -

FOR GRANULAR FILL MATERIAL (NON-COHESIVE SOIL) e.g. COARSE AGGREGATE FILL, THE DENSITY INDEX (ID) SHALL BE NOT LESS

FOR GRANULAR MATERIAL (NON COHESIVE SOILS). THE DENSITY INDEX (ID) SHALL BE NOT LESS THAN 70%. FOR NON-GRANULAR FILL MATERIAL (COHESIVE SOILS), THE DRY DENSITY RATIO (RD) SHALL BE NOT LESS THAN 95%.

UTILITY INFORMATION SHOWN ON THE PLANS IS NOT INTENDED TO DEPICT MORE THAN THE PRESENCE OF ANY SERVICES. ACTUAL LOCATIONS SHOULD BE VERIFIED BY HAND EXCAVATION PRIOR TO CONSTRUCTION.

THE CONTRACTOR SHALL ALLOW FOR THE CAPPING OFF, EXCAVATION AND REMOVAL (IF REQUIRED) OF ALL EXISTING SERVICES IN AREAS AFFECTED BY THE WORKS

GEOTEXTILE FABRIC MATERIAL TO BE BIDIM A24 OR APPROVED EQUIVALENT AND SHALL COMPLY WITH AS3705-2012: 'GEOTEXTILES - IDENTIFICATION, MARKING AND GENERAL DATA'

THE CONTRACTOR SHALL ENSURE THAT SERVICES TO ALL BUILDINGS NOT AFFECTED BY THE WORKS ARE NOT DISRUPTED AT ALL TIMES. THE CONTRACTOR SHALL CONSTRUCT TEMPORARY SERVICES TO MAINTAIN EXISTING SUPPLY TO BUILDINGS REMAINING WHERE REQUIRED. ONCE THE WORKS ARE COMPLETE AND COMMISSIONED THE CONTRACTOR SHALL REMOVE ALL SUCH TEMPORARY SERVICES AND MAKE GOOD ALL DISTURBED AREAS.

STORMWATER NOTES (CONT):

EXISTING PIPES WHICH FORM NO PART OF THE DRAINAGE SYSTEM SHALL BE REMOVED OR SEALED AS INDICATED ON THE PLANS. PIPES UP TO 300mm DIAMETER SHALL BE SEWER GRADE uPVC WITH SOLVENT WELDED JOINTS (U.N.O.). ALL PIPE JUNCTIONS AND TAPERS SHALL BE VIA PURPOSE MADE FITTINGS.

WHERE DOWNPIPES PASS UNDER FLOOR SLABS, SEWER GRADE uPVC WITH RUBBER RING JOINTS ARE TO BE USED.

MINIMUM GRADE TO DRAINAGE PIPES TO BE 1% (U.N.O.), MIN. SIZE 100mm DIAMETER (U.N.O.).

PIPES LARGER THAN OR EQUAL TO 300mm DIAMETER TO BE REINFORCED CONCRETE RUBBER RING JOINTED TYPE (CLASS 2) MANUFACTURED TO AS4058 (U.N.O.).

PIPE INSTALLATION UNDER TRAFFICABLE AREAS SHALL BE IN ACCORDANCE WITH CONCRETE PIPE ASSOCIATION OF AUSTRALIA PUBLICATION "CONCRETE PIPE SELECTION & INSTALLATION" TYPE HS3 SUPPORT.

EQUIVALENT STRENGTH FRC PIPES MAY BE USED SUBJECT TO AUTHORITY APPROVAL.

MINIMUM PIPE COVER TO BE 600mm UNDER TRAFFICABLE AREAS AND 300mm ELSEWHERE (U.N.O.).

CONTRACTOR TO SUPPLY AND INSTALL ALL FITTINGS AND SPECIALS INCLUDING VARIOUS PIPE ADAPTORS TO ENSURE PROPER CONNECTION BETWEEN DISSIMILAR PIPEWORK.

CONNECTED TO PITS. STORMWATER DRAINAGE CONNECTIONS TO COUNCIL'S SYSTEM

PROVIDE CLEANING EYES TO ALL DOWNPIPES NOT DIRECTLY

SHALL BE TO THE REQUIREMENTS AND THE SATISFACTION OF LOCAL COUNCIL. PITS DEEPER THAN 1200mm TO BE FITTED WITH STEP IRONS AT

300 CENTRES TO AS1657-2013: FIXED PLATFORMS. WALKWAYS. STAIRWAYS AND LADDERS — DESIGN, CONSTRUCTION AND INSTALLATION'.

ALL EXPOSED EDGES TO BE ROUNDED WITH 20mm RADIUS, OR CHAMFERED 20mm x 20mm.

PIT REINFORCEMENT - MESH SL82 LAP TO BE 400mm MIN. CLEAR COVER 40 MIN. CAST AGAINST BLINDING OR FORMWORK. CORNER RETURNS MAY BE FABRIC OR EQUIVALENT BARS.

BENCHING TO BE 20MPa MASS CONCRETE. BRICKWORK, BLOCKWORK, CONCRETE OR APPROVED PRECAST PITS

BENCHING TO BE HALF OUTGOING PIPE DEPTH. CONCRETE FOR

ARE TO BE USED IN TRAFFICABLE AREAS SUBJECT TO APPROVAL. FIBREGLASS, HARD-PLASTIC OR APPROVED PRECAST PITS ARE TO

100mm DIAMETER HOLE FOR SUBSOIL DRAINAGE OUTLET TO BE LOCATED 100mm ABOVE INVERT OF ALL INLET PIPES. SUBSOIL DRAINAGE TO EXTEND FOR A DISTANCE OF 3m UPSTREAM OF PIT (AT EACH INLET TRENCH) WITH THE UPSTREAM END SEALED.

BE USED IN NON-TRAFFICABLE AREAS SUBJECT TO APPROVAL.

ALL CONNECTIONS TO EXISTING DRAINAGE PITS SHALL BE MADE IN TRADESMAN-LIKE MANNER AND THE INTERNAL WALL OF THE PIT AT THE POINT OF ENTRY SHALL BE CEMENT RENDERED TO ENSURE

PIT GRATE, FRAMES AND SOLID COVERS SHALL BE CLASS B IN NON TRAFFIC AREAS AND CLASS C IN TRAFFICABLE AREAS IN ACCORDANCE WITH AS3996 U.N.O.

ALL GRATES SHALL BE PROVIDED WITH A 'J-LOCK' TYPE LOCKING

GRATES TO PITS IN FOOTPATH AREAS SHALL BE HEEL SAFE COMPLYING WITH THE DISABLED ACCESS CODE

PIT GRATING TO BE GALVANISED STEEL TYPE 'WELDLOK' OR

APPROVED EQUIVALENT

SUBSOIL PIPES SHALL BE LAID AT A MIN GRADE OF 1% (U.N.O.).

ADDITIONAL SUBSOIL DRAINAGE SHALL BE LAID TO SUIT SITE CONDITIONS AND GROUNDWATER PRESENCE AS DIRECTED. SUBSOIL PIPES SHALL BE LAID BEHIND KERBS IN CUT AREAS OF THE SITE.

PROVIDE A MINIMUM OF 150mm GRAVEL AROUND SUBSOIL PIPE. TRENCH TO BE LINED WITH GEOTEXTILE FABRIC TYPE BIDIM A24

SURVEY

THE EXISTING SITE CONDITIONS SHOWN ON THE FOLLOWING DRAWINGS HAVE BEEN INVESTIGATED BY REGISTERED SURVEYORS. THE INFORMATION IS SHOWN TO PROVIDE A BASIS FOR DESIGN.

CAPITAL ENGINEERING CONSULTANTS DOES NOT GUARANTEE THE ACCURACY OR COMPLETENESS OF THE SURVEY BASE OR ITS SUITABILITY AS A BASIS FOR CONSTRUCTION OR DESIGN.

SHOULD DISCREPANCIES BE ENCOUNTERED DURING CONSTRUCTION BETWEEN THE SURVEY DATA AND ACTUAL FIELD DATA. CONTACT CAPITAL ENGINEERING CONSULTANTS.

CALIFORNIA BEARING RATIO

ABBREVIATIONS:

CHAINAGE

ø or DIA DIAMETER

CH

CODDEGS PLDIPD G CODDEGS P LDIPD G CODDEGS P LDIPD G CODDEGS P LDIPD G CODDEGS P CKLWW T H PMS V COJ P P COJ P P COJ P P COJ P COJ P COJ P P C	CLEAR OUT DISH DRAIN DISH DRAIN OUTLET DOWELLED EXPANSION JOINT DENSE GRADED BASECOURSE DENSE GRADED SUB—BASE DOWNPIPE EXISTING FINISHED FLOOR LEVEL GRATED TRENCH DRAIN GRATED SURFACE INLET PIT HYDRANT ISOLATING JOINT INTEGRAL KERB INVERT LEVEL INTERSECTION POINT KERB INLET PIT KERB ONLY KERB & GUTTER KERB RETURN NATURAL GROUND LEVEL OVERLAND FLOW PATH ON—SITE DETENTION RADIUS REINFORCED CONCRETE PIPE ROLL KERB & GUTTER REDUCED LEVEL RETAINING WALL RAINWATER TANK SAWN CONTROL JOINT SEWER MAN HOLE STORMWATER STORMWATER PIT STORMWATER SUMP STOP VALVE TOP OF KERB TOP OF KERB TOP OF WALL TOP WATER LEVEL TANGENT POINT UNPLASTICISED POLYVINYL CHLORIDE UNLESS NOTED OTHERWISE WEAKENED HARK BENCH MARK
DD DDO DEJ	DISH DRAIN DISH DRAIN OUTLET DOWELLED EXPANSION JOINT
DGS DP e FFL	DENSE GRADED SUB—BASE DOWNPIPE EXISTING FINISHED FLOOR LEVEL
GSIP HYD IJ IK	GRATED SURFACE INLET PIT HYDRANT ISOLATING JOINT INTEGRAL KERB
IP KIP KO K&G	INTERSECTION POINT KERB INLET PIT KERB ONLY KERB & GUTTER
NGL OFP OSD R	NATURAL GROUND LEVEL OVERLAND FLOW PATH ON-SITE DETENTION RADIUS
RK RL RW	ROLL KERB & GUTTER REDUCED LEVEL RETAINING WALL
SJ SMH SW SWP	SAWN CONTROL JOINT SEWER MAN HOLE STORMWATER STORMWATER PIT
SWS SV TOK TOW	STORMWATER SUMP STOP VALVE TOP OF KERB TOP OF WALL
TP UPVC UNO	TANGENT POINT UNPLASTICISED POLYVINYL CHLORIDE UNLESS NOTED OTHERWISE
TYP	TYPICAL

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DIAL BEFORE YOU DIG SHOULD BE CONTACTED PRIOR TO ANY **EXCAVATION ON SITE**

TM: TRADE MARK OF THE ASSOCIATION OF DIAL BEFORE YOU DIG SERVICES LTD. USED UNDER LICENSE.

EAust, CPEng No. 3132148, NER, RPEQ.

NUMBER	NAME	REVISION
SW001	COVER SHEET	А
SW010	GROUND FLOOR PLAN, NOTES & DETAILS (1/6)	А
SW011	GROUND FLOOR PLAN, NOTES & DETAILS (2/6)	A
SW012	GROUND FLOOR PLAN, NOTES & DETAILS (3/6)	A
SW013	GROUND FLOOR PLAN, NOTES & DETAILS (4/6)	А
SW014	GROUND FLOOR PLAN, NOTES & DETAILS (5/6)	A
SW015	GROUND FLOOR PLAN, NOTES & DETAILS (6/6)	A
SW020	FIRST FLOOR PLAN, NOTES & DETAILS (1/2)	A
SW021	FIRST FLOOR PLAN, NOTES & DETAILS (2/2)	A
SW030	ROOF PLAN, NOTES & DETAILS (1/2)	A
SW031	ROOF PLAN, NOTES & DETAILS (2/2)	A
FD001	EROSION & SEDIMENT CONTROL PLAN, NOTES &	Λ.

DETAILS (1/2)

EROSION & SEDIMENT CONTROL PLAN, NOTES &

DETAILS (2/2)

DRAWING REGISTER

LEGEND:

ER001

ER002

R/W TANK

NER

FOR COUNCIL APPROVAL ONLY (CONCEPT

EGEND.			
• DP	DOWNPIPE	eSMH	EXISTING SEWER MANHOLE
>>> 	STORMWATER LINE	<u> </u>	
	STORMWATER LINE DRAINING TO RWT		EXISTING JUNCTION PIT
—— OF ———	OVER FLOW PIPE		EXISTING KERB INLET PIT
— — SSD—	SUBSOIL LINE	eTEL	EXISTING TELSTRA PIT
SWRM——	STORMWATER RISING MAIN	⊞ eHYD	EXISTING HYDRANT
e	EXISTING STORMWATER LINE	⊠ eSV	EXISTING STOP VALVE
s	AUTHORITY SEWER LINE	□ eGAS	EXISTING GAS VALVE
W	AUTHORITY WATER LINE	O ePP	EXISTING POWER POLE
G G	AUTHORITY GAS LINE		EXISTING GRATED SURFACE INLET P
— — Е —	AUTHORITY ELECTRICITY LINE	ø FF	FIRST FLUSH
F0F0F0	AUTHORITY FIBRE OPTIC LINE	Ø RWO	RAINWATER OUTLET
TEL	AUTHORITY COMMS LINE	ø CO	CLEAR OUT POINT
//	SEDIMENT FENCE	Ø DDO	DISH DRAIN OUTLET
	GRATED SURFACE INLET PIT	ø PD	PLANTER DRAIN
	GRATED SURFACE INLET PIT WITH OCEANGUARD INSERT	3	CAPPING
		⊠ RH	RAINHEAD
	SEALED JUNCTION PIT	♣ SP	DOWNPIPE SPREADER
	PROPOSED KERB INLET PIT	-	WARNING LIGHT
	GRATED TRENCH DRAIN		SPOT LEVELS
		A	DENOLIMADIZ

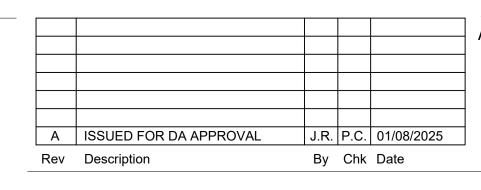
PROPOSED HOUSES

45-45 & 49 WARRIEWOOD ROAD, WARRIEWOOD

Scale 1:100 @ A1 Date 01/08/2025 Consultants

🌭 9630 0121

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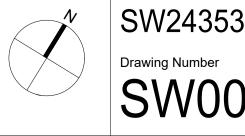
FOR COUNCIL / CONSTRUCTION CERTIFICATE ISSUE

APPROVED BY: DATE: 01/08/2025 **PAUL EL-BAYEH** B.E. (Civil), M.E. (Structural & Foundation

STORMWATER LAYOUT PLAN **COVER SHEET**

RAINWATER RE-USE TANK

PROPOSED RETAINING WALL



BENCHMARK

Project Number

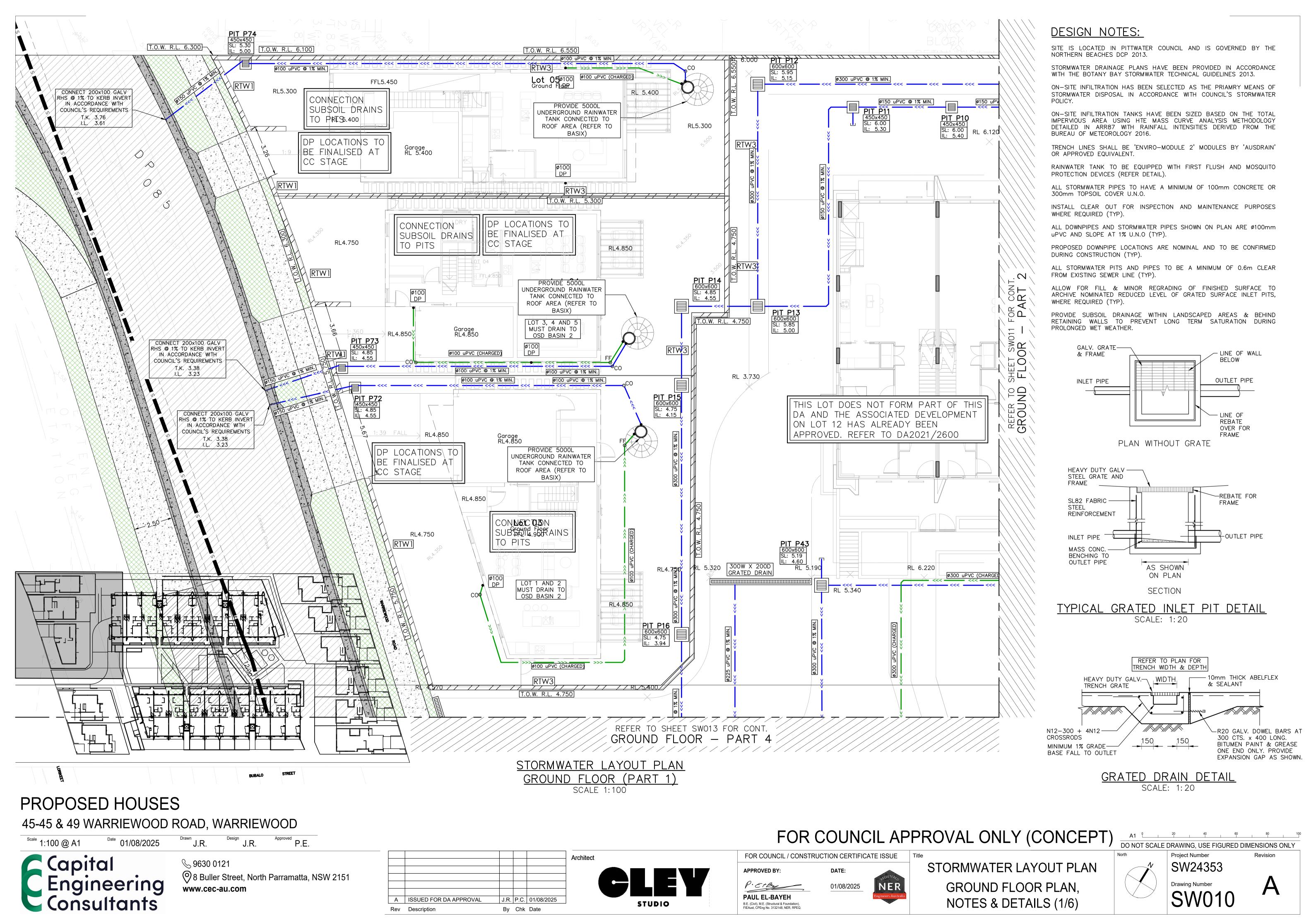
SW00'

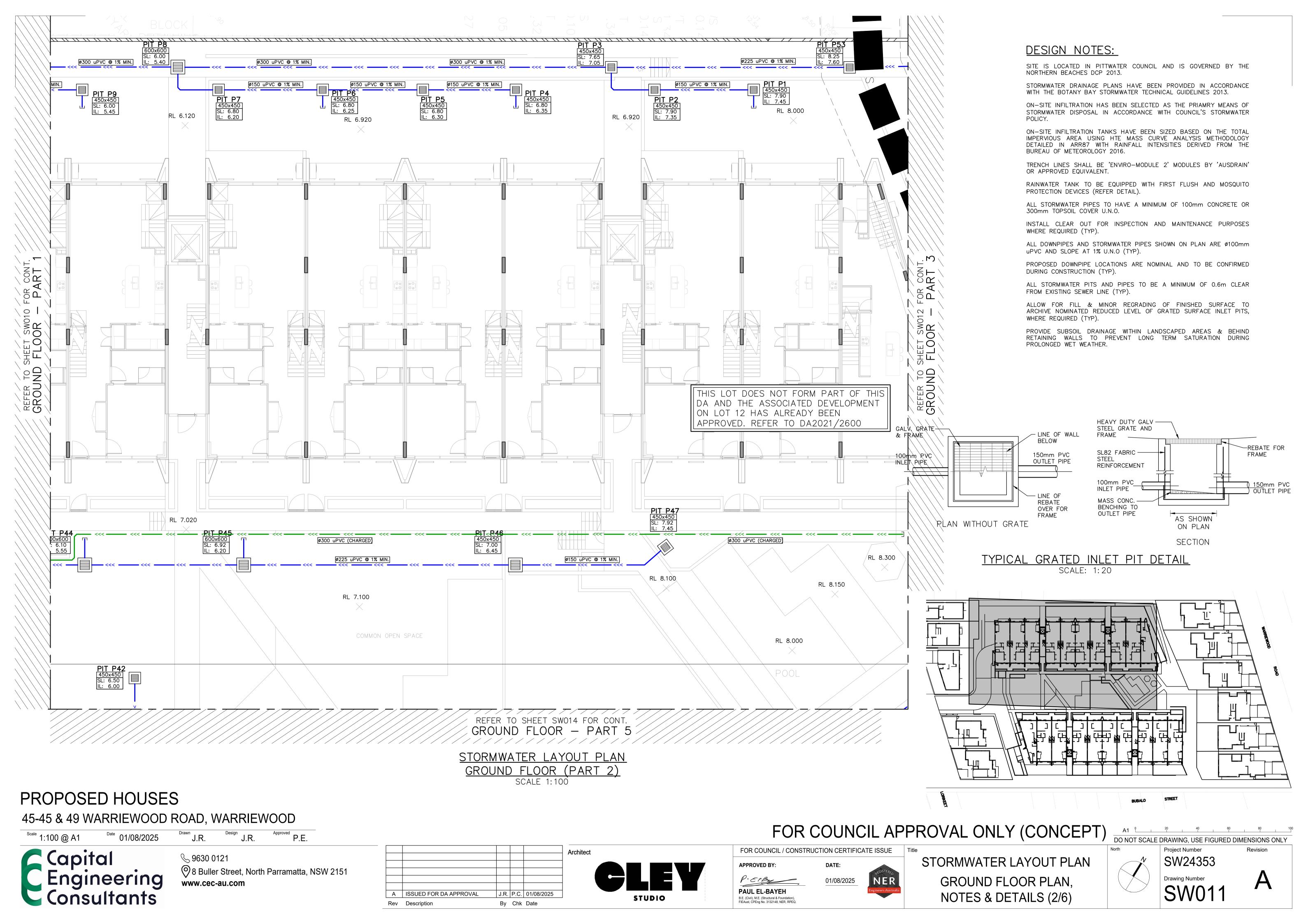
OVERLAND FLOW PATH

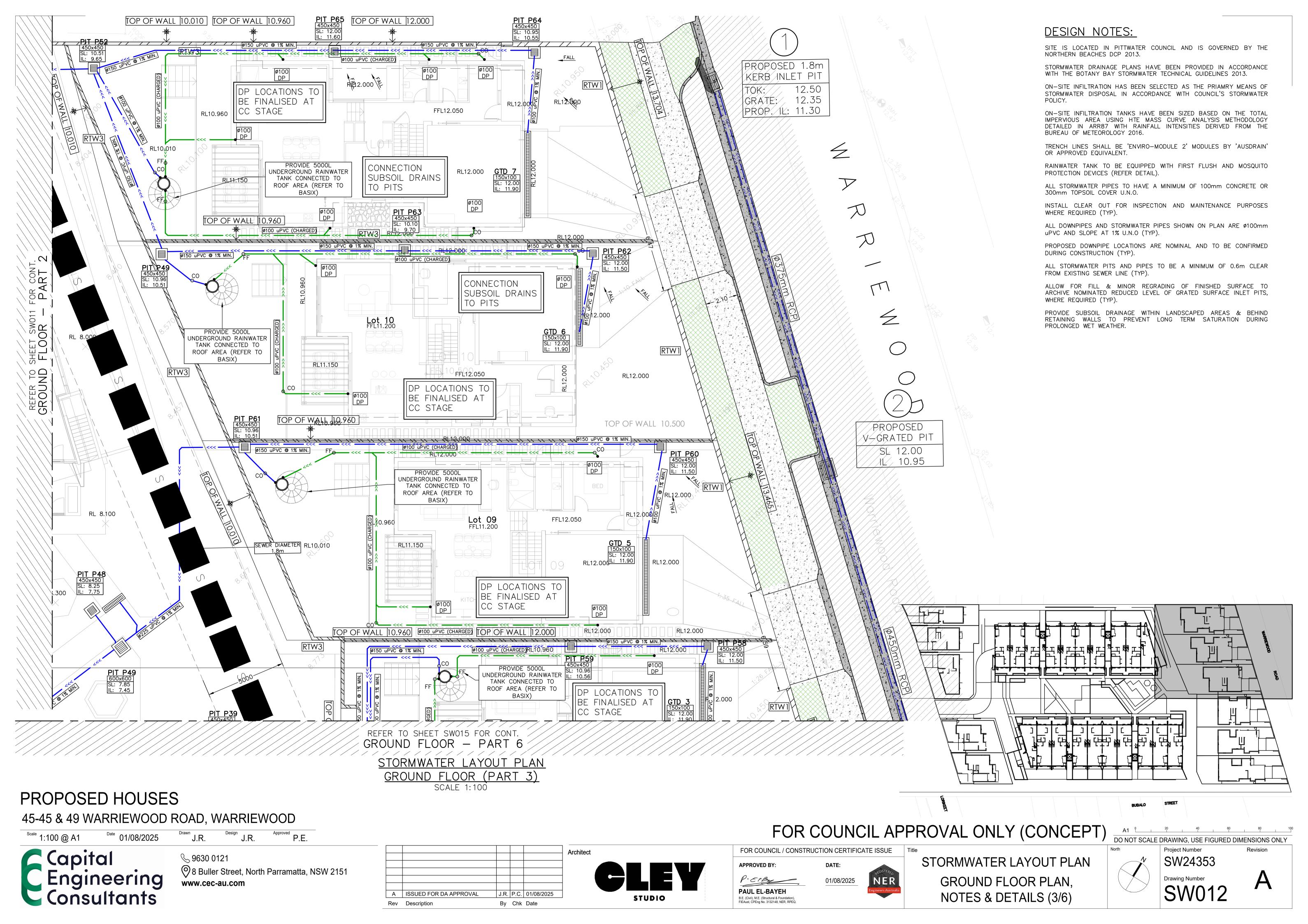
DO NOT SCALE DRAWING, USE FIGURED DIMENSIONS ONLY

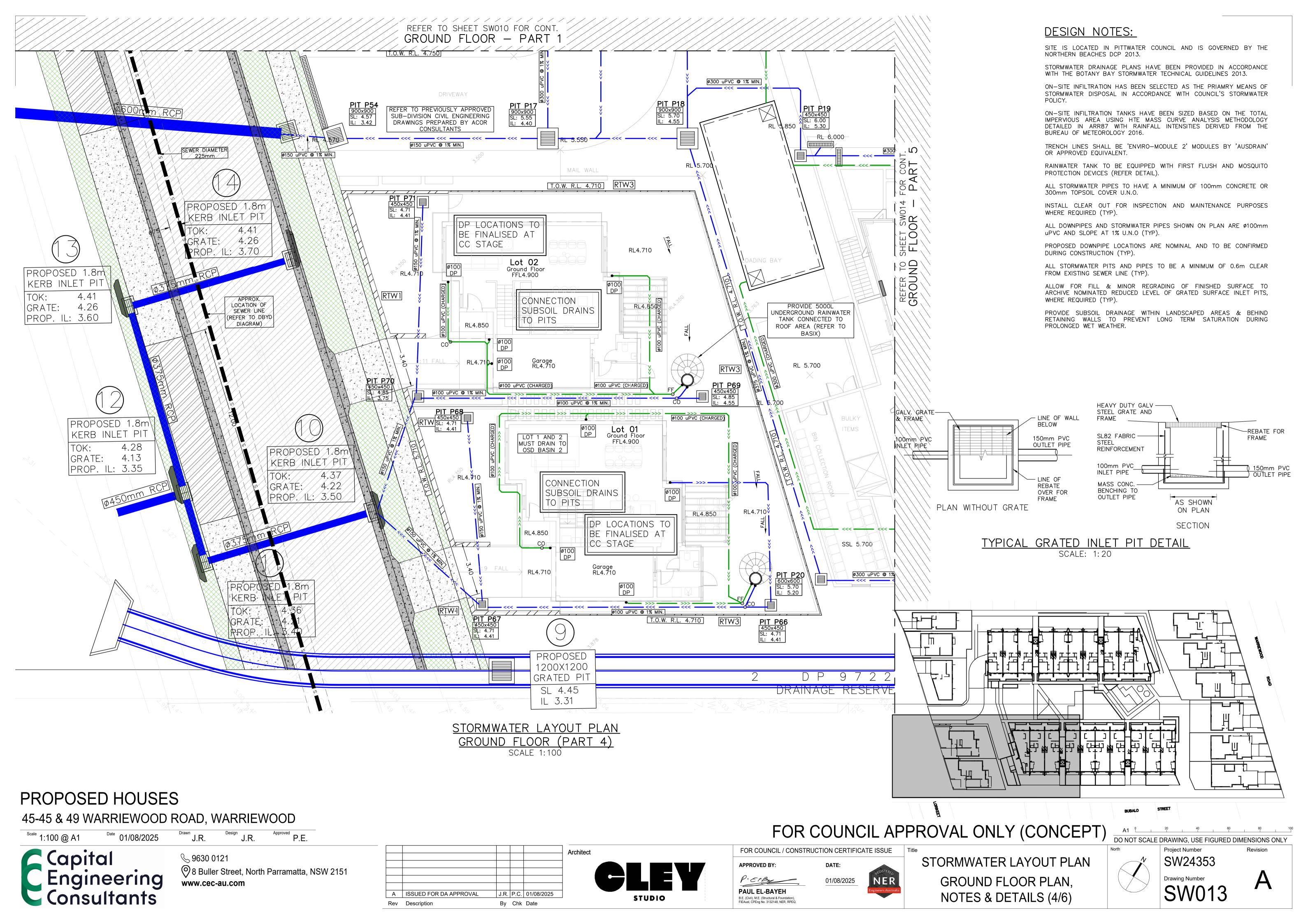


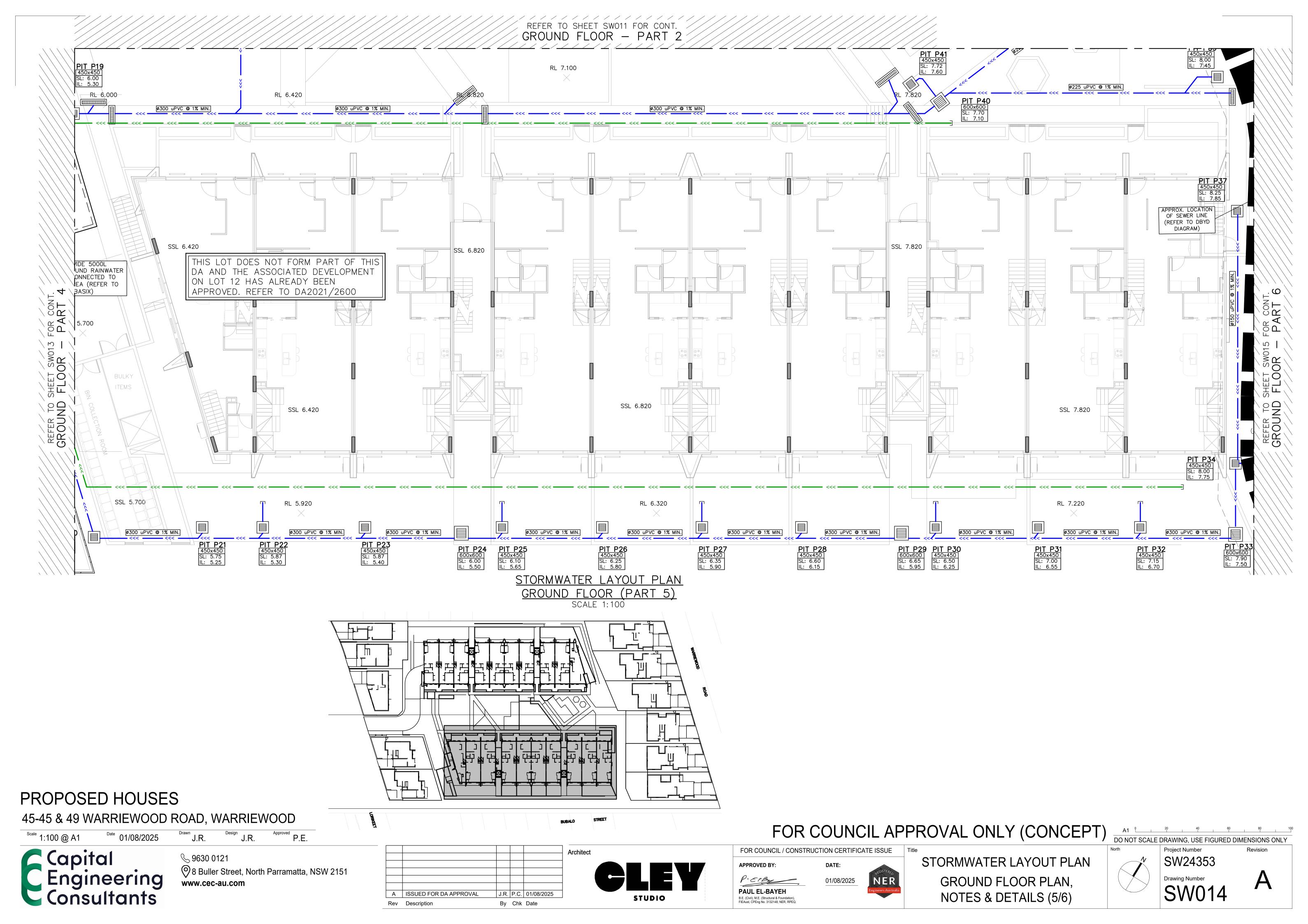
Revision

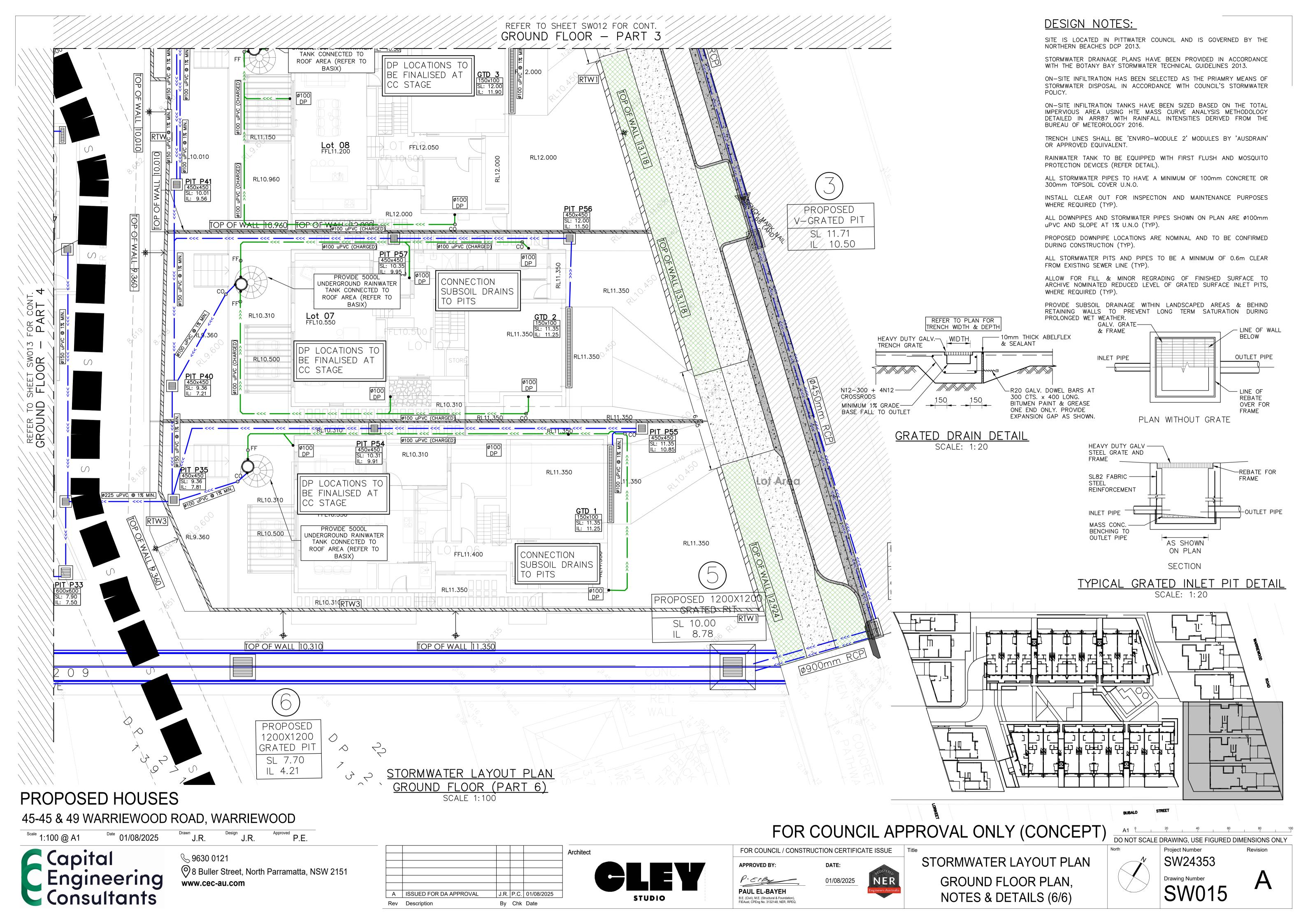








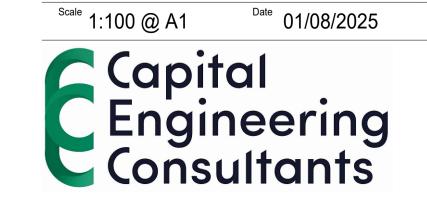




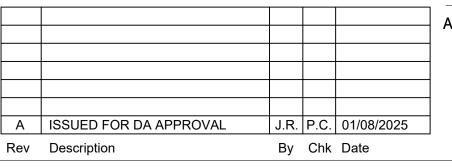


PROPOSED HOUSES

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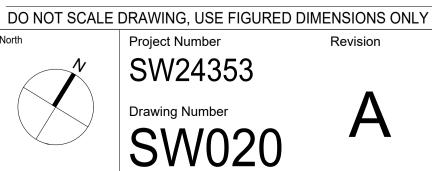
FOR COUNCIL / CONSTRUCTION CERTIFICATE ISSUE DATE: **APPROVED BY:**

01/08/2025 **PAUL EL-BAYEH** B.E. (Civil), M.E. (Structural & Foundation), FIEAust, CPEng No. 3132148, NER, RPEQ.



FOR COUNCIL APPROVAL ONLY (CONCEPT)

STORMWATER LAYOUT PLAN FIRST FLOOR PLAN, NOTES & DETAILS (1/2)



FIRST FLOOR NOTES:

ARE PRESENT DURING CONSTRUCTION (TYP).

RAINWATER OUTLETS WHERE REQUIRED (TYP).

EQUIVALENT) AND LAID AT MIN. 1:500 SLOPE.

ACCORDANCE WITH AS3500.3: 2018.

AREAS WHERE REQUIRED.

CONFIRMED DURING CONSTRUCTION (TYP).

STORMWATER ONTO LOWER ROOF AREAS EFFECTIVELY.

STRUCTURAL SLAB AND BEAMS WHERE REQUIRED (TYP).

INSTALL 50mm uPVC SPITTER PIPES 20mm ABOVE SURFACE LEVEL FOR BALCONY AND CONCRETE ROOF AREAS TO ALLOW FOR EMERGENCY OVERFLOW INCASE OF BLOCKAGES DURING HEAVY

ALL BUILDING AND HYDRAULIC SERVICES TO BE PROPERLY CO-ORDINATED WITH STORMWATER PIPES AND ENSURE NO CLASHES

STORMWATER PIPE ARRANGEMENT TO BE CO-ORDINTED WITH

BALCONY, TERRACE & CONCRETE ROOF AREAS TO SLOPE TOWARDS

DOWNPIPES SHOWN ON PLAN ARE TO BE Ø100mm uPVC U.N.O. (TYP).

ALL EAVES GUTTERS SHALL BE 145mm WIDE x 75mm DEEP (OR

ALL GUTTERS TO BE FITTED WITH ADEQUATE OVERFLOW MEASURES IN

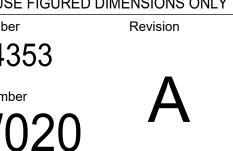
PROPOSED DOWNPIPE LOCATIONS ARE NOMINAL AND TO BE

INSTALL DOWNPIPE WITH SPREADER (IF REQUIRED) TO DISPERSE

PROVIDE SURFACE DRAINAGE FOR ALL CONCRETE AND BALCONY ROOF

ARROW DENOTES THE SLOPE OF FINISHED SURFACE LEVEL (TYP).

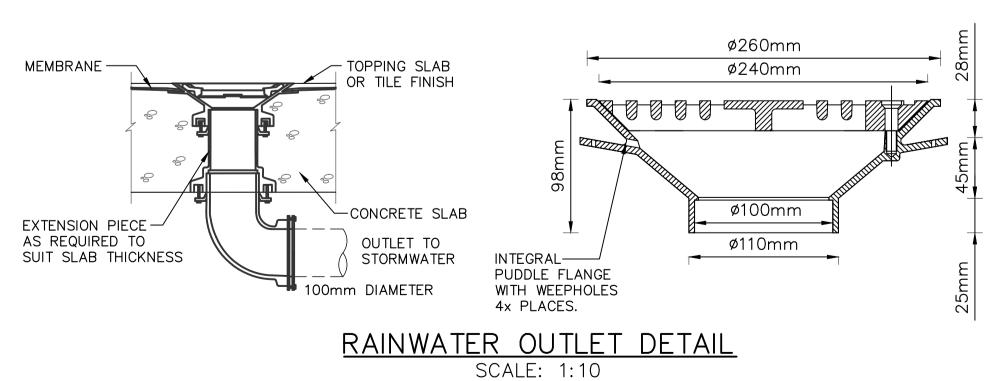
STORMS. PLUMBER TO CONFIRM LOCATION DURING CONSTRUCTION.





STORMWATER LAYOUT PLAN FIRST FLOOR SCALE 1:100

UPPER LEVEL DRAINAGE DETAILS TO BE PROVIDED AT CC STAGE

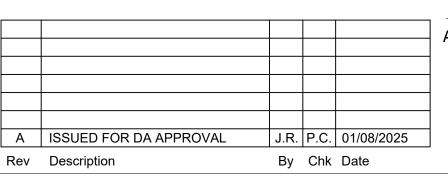


PROPOSED HOUSES

45-45 & 49 WARRIEWOOD ROAD, WARRIEWOOD



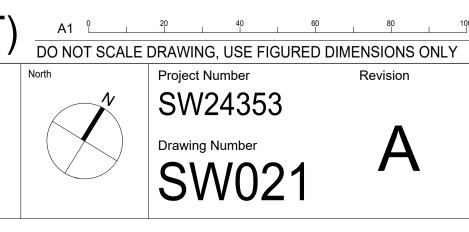
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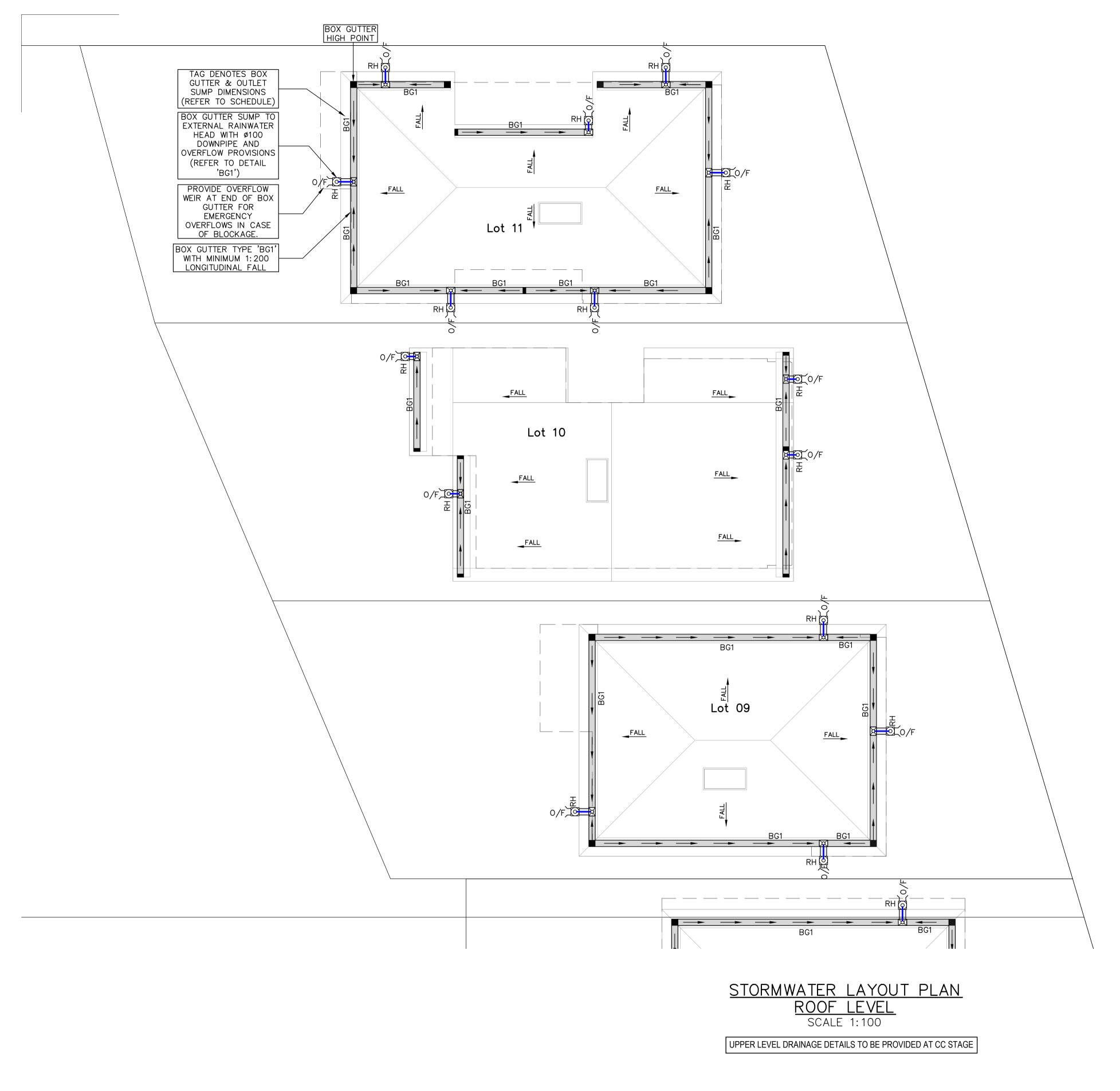




FOR COUNCIL APPROVAL ONLY (CONCEPT) FOR COUNCIL / CONSTRUCTION CERTIFICATE ISSUE APPROVED BY: DATE: 01/08/2025 PAUL EL-BAYEH B.E. (Civil), M.E. (Structural & Foundation), FIEAust, CPEng No. 3132148, NER, RPEQ.

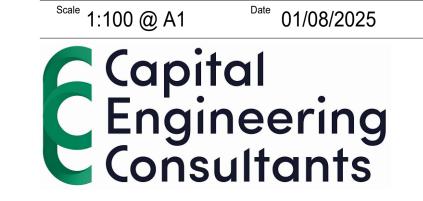
STORMWATER LAYOUT PLAN FIRST FLOOR PLAN, NOTES & DETAILS (2/2)



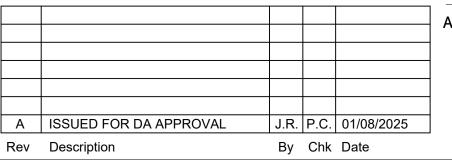


PROPOSED HOUSES

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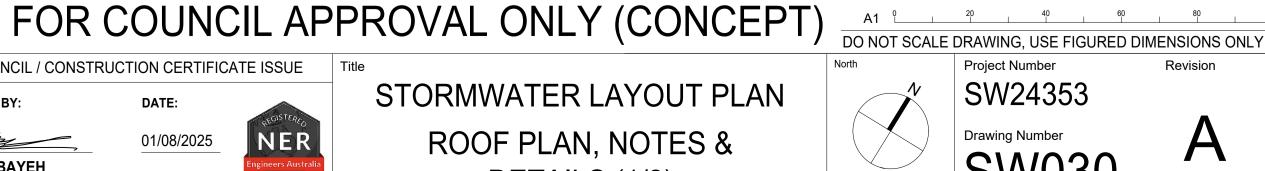


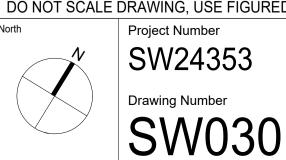
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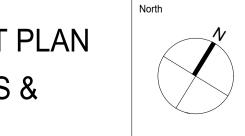
PAUL EL-BAYEH B.E. (Civil), M.E. (Structural & Foundation), FIEAust, CPEng No. 3132148, NER, RPEQ.

01/08/2025

STORMWATER LAYOUT PLAN ROOF PLAN, NOTES & DETAILS (1/2)







ROOF FLOOR NOTES:

ARE PRESENT DURING CONSTRUCTION (TYP).

RAINWATER OUTLETS WHERE REQUIRED (TYP).

EQUIVALENT) AND LAID AT MIN. 1:500 SLOPE.

ACCORDANCE WITH AS3500.3: 2018.

AREAS WHERE REQUIRED.

CONFIRMED DURING CONSTRUCTION (TYP).

STORMWATER ONTO LOWER ROOF AREAS EFFECTIVELY.

STRUCTURAL SLAB AND BEAMS WHERE REQUIRED (TYP).

INSTALL 50mm uPVC SPITTER PIPES 20mm ABOVE SURFACE LEVEL FOR BALCONY AND CONCRETE ROOF AREAS TO ALLOW FOR

EMERGENCY OVERFLOW INCASE OF BLOCKAGES DURING HEAVY

ALL BUILDING AND HYDRAULIC SERVICES TO BE PROPERLY

CO-ORDINATED WITH STORMWATER PIPES AND ENSURE NO CLASHES

STORMWATER PIPE ARRANGEMENT TO BE CO-ORDINTED WITH

BALCONY, TERRACE & CONCRETE ROOF AREAS TO SLOPE TOWARDS

DOWNPIPES SHOWN ON PLAN ARE TO BE Ø100mm uPVC U.N.O. (TYP).

ALL EAVES GUTTERS SHALL BE 145mm WIDE x 75mm DEEP (OR

ALL GUTTERS TO BE FITTED WITH ADEQUATE OVERFLOW MEASURES IN

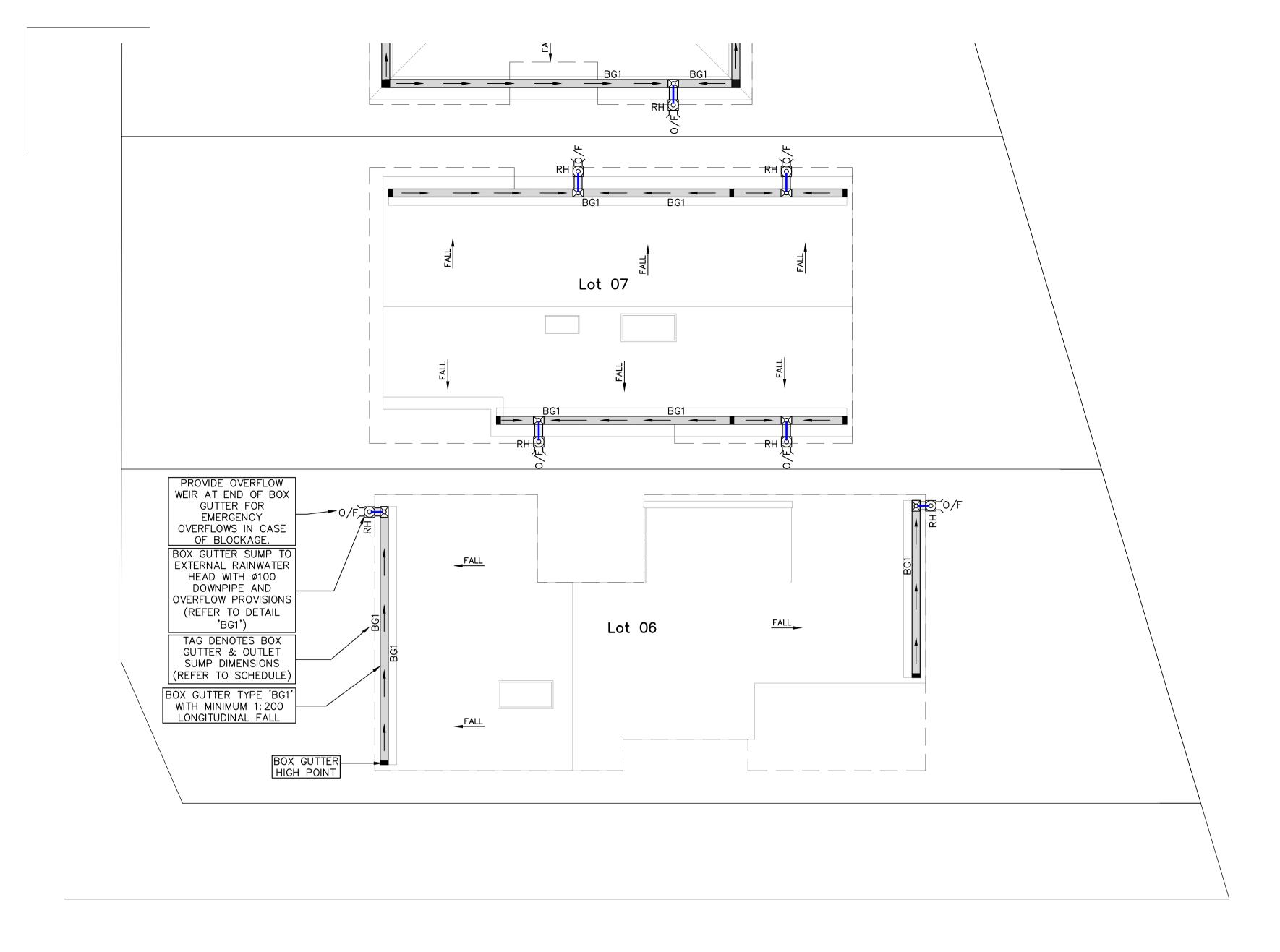
PROPOSED DOWNPIPE LOCATIONS ARE NOMINAL AND TO BE

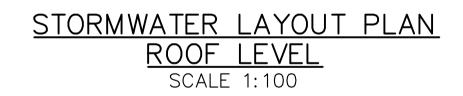
INSTALL DOWNPIPE WITH SPREADER (IF REQUIRED) TO DISPERSE

PROVIDE SURFACE DRAINAGE FOR ALL CONCRETE AND BALCONY ROOF

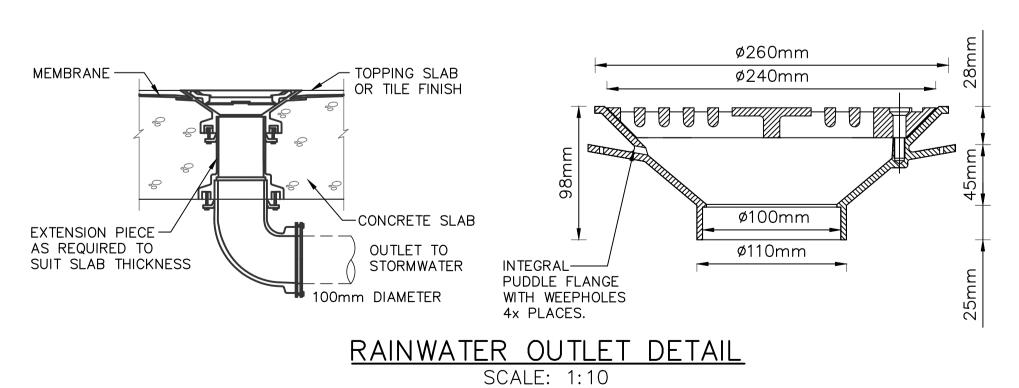
ARROW DENOTES THE SLOPE OF FINISHED SURFACE LEVEL (TYP).

STORMS. PLUMBER TO CONFIRM LOCATION DURING CONSTRUCTION.



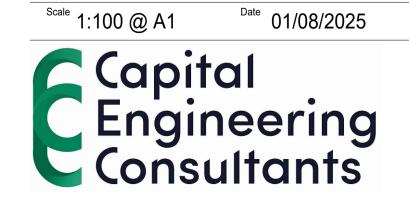


UPPER LEVEL DRAINAGE DETAILS TO BE PROVIDED AT CC STAGE

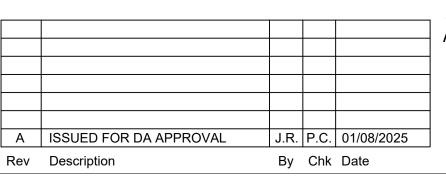


PROPOSED HOUSES

45-45 & 49 WARRIEWOOD ROAD, WARRIEWOOD



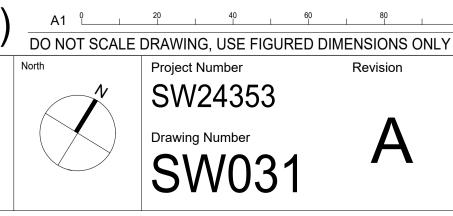
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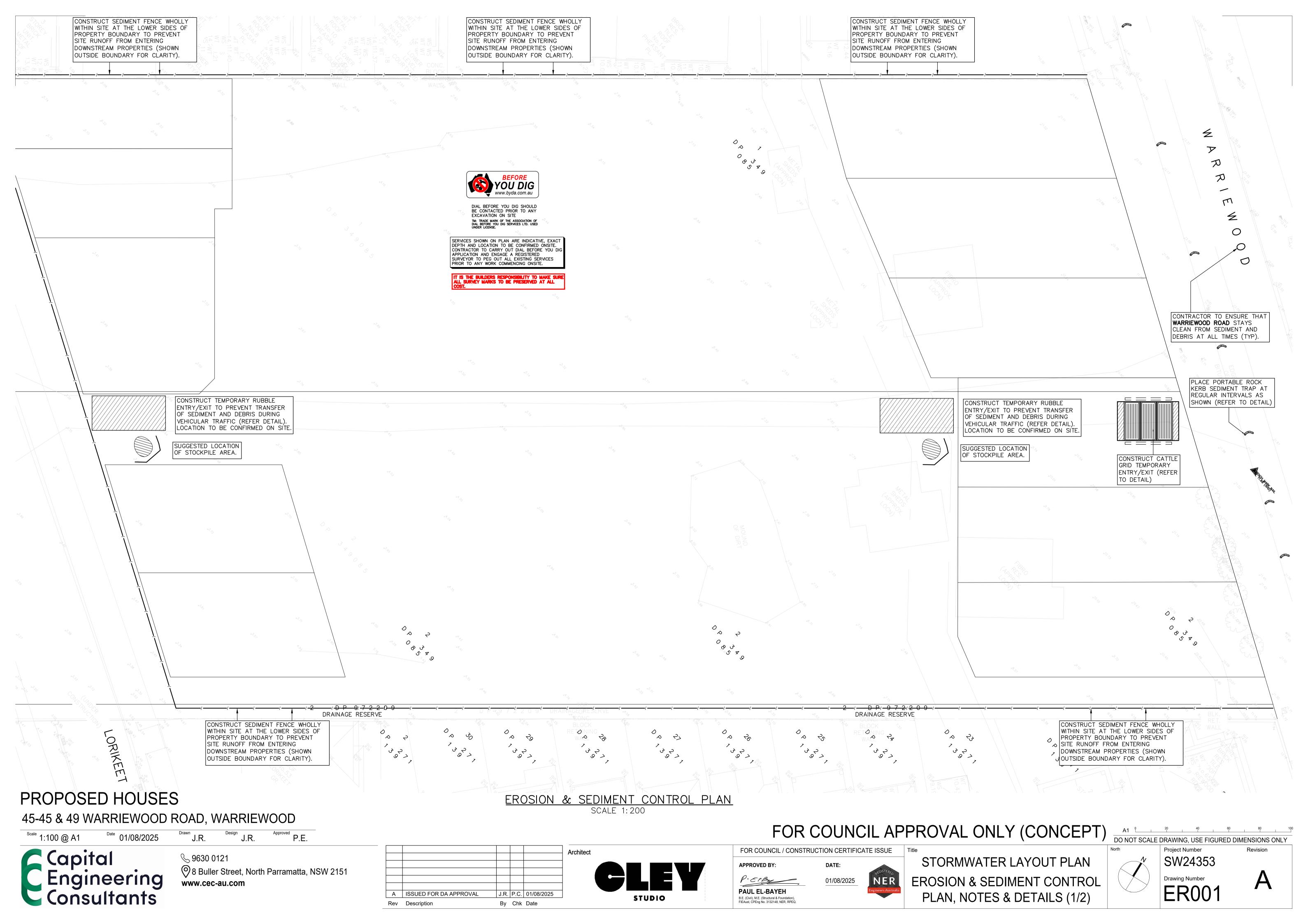


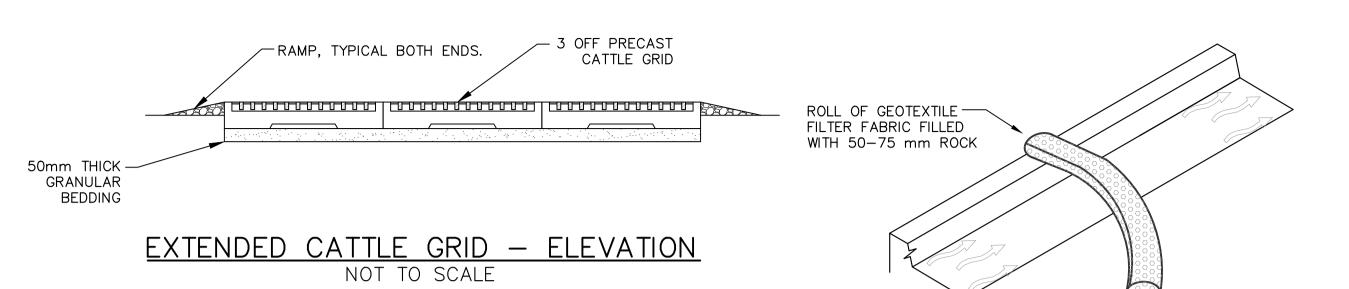


FOR COUNCIL APPROVAL ONLY (CONCEPT) FOR COUNCIL / CONSTRUCTION CERTIFICATE ISSUE DATE: **APPROVED BY:** 01/08/2025 PAUL EL-BAYEH B.E. (Civil), M.E. (Structural & Foundation), FIEAust, CPEng No. 3132148, NER, RPEQ.

STORMWATER LAYOUT PLAN ROOF PLAN, NOTES & DETAILS (2/2)







- 3 OFF PRECAST

CATTLE GRID OF APPROVED DESIGN

- RAMP, TYPICAL BOTH ENDS.

ROCK KERB SEDIMENT TRAP

NOT TO SCALE

50mm GAP TO ALLOW OVERTOPPING ROLL OF WIRE MESH AND GEOTEXTILE FILJER FABRIC FILLED WITH 50-75 mm ROCK

ROCK KERB INLET SEDIMENT TRAP NOT TO SCALE

EXTENDED CATTLE GRIND NOTES:

- 1. EXCAVATE AREA APPROX. 3.3m WIDE BY 6.6m LENGTH. THE FLOOR OF THE EXCAVATION MUST BE FLAT, WITHOUT HIGH POINTS. AN EXCAVATED DEPTH OF 100mm ACCOMMODATES A BEDDING LAYER 50mm THICK AND GRID SET DOWN OF 50mm.
- BEDDING MATERIAL SHALL BE SAND OR OTHER SUITABLE APPROVED MATERIAL. BEDDING MATERIAL SHALL BE EVENLY RAKED OVER FLOOR OF EXCAVATION TO A DEPTH SLIGHTLY MORE THAN 50mm. ENSURE BEDDING IS LEVEL IN BOTH DIRECTIONS.
- LOWER CATTLE GRID ONTO THE PREPARED BASE. ENSURE THAT NO PART OF THE UNIT IS SITTING ON ANY HIGH POINTS.
- 4. BACKFILL AND COMPACT AROUND GRID. GRADE EXCAVATED MATERIAL UP TO GRID ON EACH SIDE TO FORM A RAMP. IF DEPRESSIONS OCCUR ON THESE RAMPS WITH USE, ADD ADDITIONAL MATERIAL.
- 5. MAINTAIN SHAKER GRIDS IN CLEAN AND SERVICEABLE CONDITION DURING TOTAL TIME OF USAGE. WHEEL - WASH OR SPRAY UNIT MAY BE REQUIRED DURING WET WEATHER.
- 6. ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE (U.N.O)

EROSION CONTROL

STORM EVENTS, BY THE CONTRACTOR.

BEFORE EARTHWORKS CAN COMMENCE THE EROSION & SEDIMENT CONTROL MEASURES MUST BE IN PLACE.

DURING THE CONSTRUCTION PERIOD, THESE CONTROL MEASURES WILL NEED TO BE INSPECTED & MAINTAINED REGULARLY, ESPECIALLY AFTER

ALL WORK IS TO BE CARRIED OUT TO PREVENT EROSION. CONTAMINATION & SEDIMENTATION OF THE STORAGE SITE, SURROUNDING AREAS & DRAINAGE SYSTEMS.

MINIMIZE DISTURBED AREA COVERED WITH NATURAL VEGETATION. ONLY THOSE AREAS DIRECTLY REQUIRED FOR CONSTRUCTION ARE TO BE DISTURBED.

ISOLATE EXISTING STORMWATER PITS WITH STRAW BALES OR SILT TRAPS TO FILTER ALL INCOMING FLOWS.

DO NOT STOCKPILE EXCAVATED MATERIAL ON THE ROAD WAY.

DIVERT CLEAN WATER FROM UNDISTURBED AREAS AROUND THE WORKING AREAS.

CONSTRUCTION ENTRY/EXIT SHALL BE VIA THE LOCATION NOTED ON THE DRAWING. CONTRÁCTOR SHALL ENSURE ALL DROPPABLE SOIL & SEDIMENT IS REMOVED PRIOR TO CONSTRUCTION TRAFFIC EXITING SITE. CONTRACTOR SHALL ENSURE ALL CONSTRUCTION TRAFFIC ENTERING AND LEAVING THE SITE DO SO IN A FORWARD DIRECTION.

ADOPT TEMPORARY MEASURES AS MAY BE NECCESSARY FOR EROSION & SEDIMENT CONTROL, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:

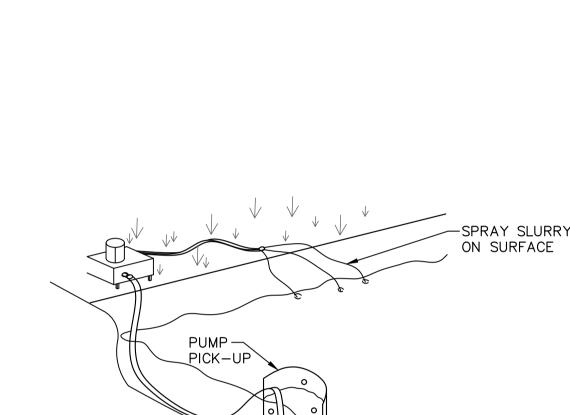
- DRAINS: TEMPORARY DRAINS AND CATCH DRAINS.
- SPREADER BANKS OR OTHER STRUCTURES: TO DISPERSE CONCENTRATED RUNOFF.
- SILT TRAPS: CONSTRUCTION AND MAINTENANCE OF SILT TRAPS TO PREVENT DISCHARGE OF SCOURED MATERIAL TO DOWNSTREAM AREAS.
- AFTER RAIN, INSPECT, CLEAN, AND REPAIR IF REQUIRED, TEMPORARY EROSION & SEDIMENT CONTROL MEASURES.

REMOVE TEMPORARY EROSION & SEDIMENT CONTROL MEASURES WHEN THEY ARE NO LONGER REQUIRED.

STORMWATER - SOIL AND CONSTRUCTION 'THE BLUE BOOK' LATEST

COMPLY WITH THE REQUIREMENTS OF LANDCOM'S MANAGING URBAN

THE EROSION & SEDIMENT CONTROL PLAN PROVIDED IS ONLY INDICATIVE. THE CONTRACTOR SHOULD PREPARE A DETAILED ESCP SUITABLE FOR THE SPECIFIC SITE CONDITIONS



FLOCCULATION DETAIL NOT TO SCALE

-PERFORATED

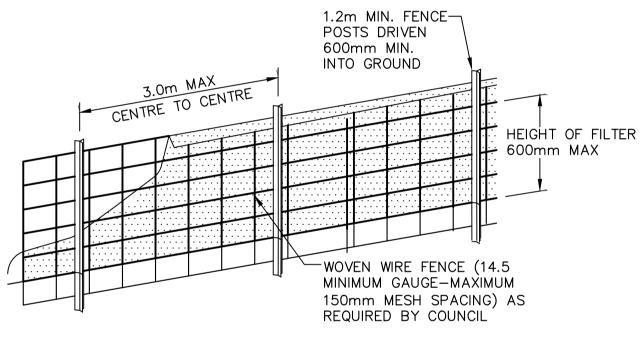
CONTAINING

BARREL

GYPSUM

NOTE:

- 1. FLOCCULATION TO BE USED IF WATER IS NOT CLEAR (ie. SEDIMENT GREATER THAN 50 mg/L) PRIOR TO DISCHARGING FROM TEMPORARY PUMP
- 2. FOR RATES & AGENTS SEE APPENDIX E OF NEW SOUTH WALES DEPARTMENT OF HOUSING "MANAGING URBAN STORMWATER SOILS & CONSTRUCTION".



WOVEN WIRE -FENCE WITH FILTER CLOTH OVER 200 \(\frac{1}{2}\) **EMBEDED** FILTER CLOTH MINIMUM 200mm INTO GROUND

1.2 MIN FENCE -

POST

DIAGRAMMATIC VIEW

TYPICAL SECTION

RAMP, TYPICAL BOTH ENDS. CATCH DRAIN RUNOFF FROM GRIDS CATCH DRAIN TO BE PROVIDED ON TO BE DIRECTED TO BOTH SIDES OF ENTRY/EXIT WHERE DIRECTED BY SUPERINTENDENT

GEOTEXTILE FABRIC

BENEATH RAMP

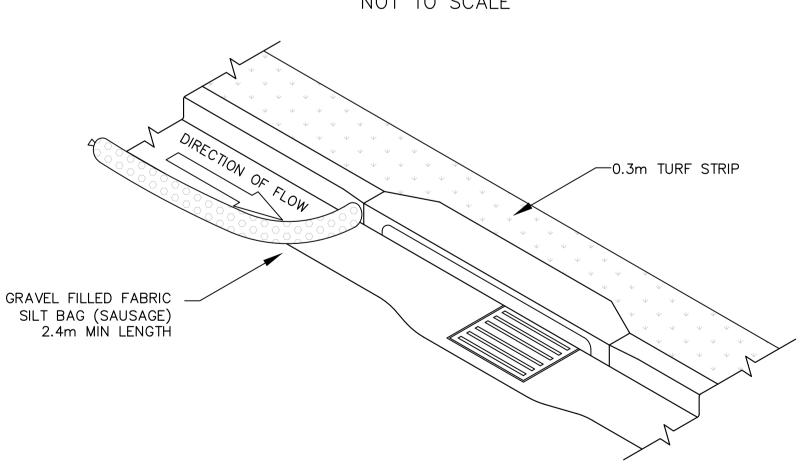
EXTENDED CATTLE GRIND ISOMETRIC VIEW

EXTENDED CATTLE GRID - PLAN VIEW NOT TO SCALE

SILT FENCE -DROP INLET WITH GRATE RUN-OFF WATER WITH SEDIMENT -GEOTEXTILE FILTER FABRIC FABRIC OBURIED OO.2m FILTERED WATER

SUMP SEDIMENT TRAP DETAIL NOT TO SCALE

SEDIMENT FENCE DETAIL NOT TO SCALE



ALTERNATE KERB INLET SEDIMENT TRAP NOT TO SCALE

FOR COUNCIL APPROVAL ONLY (CONCEPT)

PROPOSED HOUSES

CONSTRUCTION SITE

50mm THICK-

GRANULAR

BEDDING

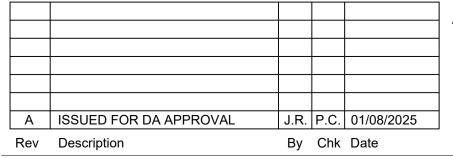
RUNOFF FROM PAD

DIRECTED TO SEDIMENT TRAP

45-45 & 49 WARRIEWOOD ROAD, WARRIEWOOD



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FOR COUNCIL / CONSTRUCTION CERTIFICATE ISSUE DATE: APPROVED BY:

STORMWATER LAYOUT PLAN **EROSION & SEDIMENT CONTROL** PLAN, NOTES & DETAILS (2/2)



