

**KERB INLET SEDIMENT TRAP**

**SILT FENCE DETAIL**

**SEDIMENT CONTROL NOTES**

ALL EROSION AND SEDIMENTATION CONTROL MEASUREMENTS, INCLUDING REVEGETATION AND STORAGE OF SOIL AND TOPSOIL, SHALL BE IMPLEMENTED TO THE STANDARDS OF THE SOIL CONSERVATION OF NSW.

ALL DRAINAGE WORKS SHALL BE CONSTRUCTED AROUND AND STABILISED AS EARLY AS POSSIBLE DURING DEVELOPMENT.

SEDIMENT TRAPS SHALL BE CONSTRUCTED AROUND ALL INLET PITS, CONSISTING OF 300MM WIDE X 300MM DEEP TRENCH.

ALL SEDIMENT BASINS AND TRAPS SHALL BE CLEANED WHEN THE STRUCTURES ARE A MAXIMUM OF 60% FULL OF MATERIALS, INCLUDING THE MAINTENANCE PERIOD.

ALL DISTURBED AREAS SHALL BE REVEGETATED AS SOON AS THE RELEVANT WORKS ARE COMPLETED.

SOIL AND TOPSOIL STOCKPILES SHALL BE LOCATED AWAY FROM DRAINAGE LINES AND AREA WHERE WATER MAY CONCENTRATE.

FILTER SHALL BE CONSTRUCTED BY STRETCHING A FILTER FABRIC (PROPEX OR APPROVED EQUIVALENT BETWEEN POST AT 2M CENTRES). FABRIC SHALL BE BURIED 150MM ALONG ITS LOWER EDGE.

**GENERAL NOTES**

- STORMWATER TO DISCHARGE INTO DESIGNATED DISCHARGE POINT TO PCA REQUIREMENTS
- SEWER TO LOCAL AUTHORITIES REQUIREMENTS.
- ALL GROUND LINES ARE TO BE VERIFIED ON-SITE BY THE BUILDER.
- FINAL LOCATION OF BUILDINGS TO BE VERIFIED ON-SITE BY A REGISTERED SURVEYOR.
- WRITTEN DIMENSIONS TO TAKE PRECEDENCE OVER SCALING. ANY PLAN DISCREPANCIES TO BE REFERRED BACK TO A&N DESIGN BEFORE PROCEEDING
- SITE CLASSIFICATION - M
- CUT AND FILL HOUSE PLATFORM APPROXIMATELY TO RL19-5 GARAGE TO RL19-5
- HOUSE FLOOR LEVEL RL19-810, 310MM ABOVE PLATFORM LEVEL. GARAGE FLOOR LEVEL APPROX. RL19-724, 224MM ABOVE PLATFORM LEVEL.
- TOTAL ROOF AREA = 249.4 M<sup>2</sup>

**SITE DATA**

SITE AREA = 459.9 M<sup>2</sup>

PRIVATE OPEN SPACE REQUIRED 91-98 M<sup>2</sup> OR 20% OF THE SITE PROVIDED 139.7 M<sup>2</sup> OR 30.4% OF THE SITE

**FLOOR AREAS**

GROUND FLOOR AREA = 170.9 M<sup>2</sup> (EXCLUDING GARAGE)

GARAGE FLOOR AREA = 32.3 M<sup>2</sup>

PORCH FLOOR AREA = 4.9 M<sup>2</sup>

ALFRESCO FLOOR AREA = 10.6 M<sup>2</sup>

TOTAL FLOOR AREA = 218.7 M<sup>2</sup> OR 23.5 50%

**Eden Brae Homes**  
 "It's where you want to live"

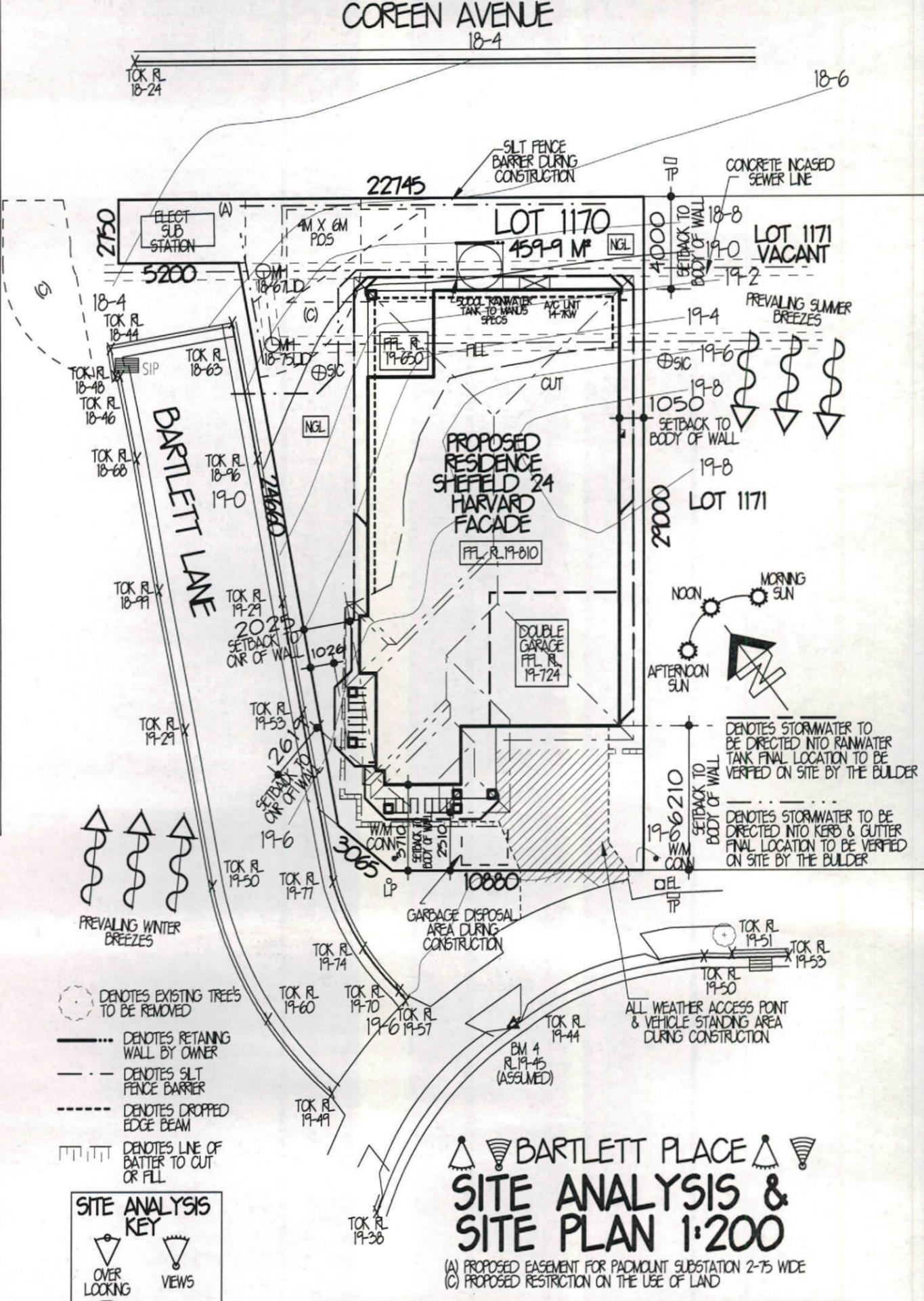
LEVEL 3, 22 BROOKHOLLOW AVENUE, NORTHWEST BUSINESS PARK, BULLHAM HILLS NSW, 2153  
 P 8860 9222 F 8860 9233

FOR MR SURRY AND MRS MEENA HARTHARAN  
 AT LOT 1170 BARTLETT PLACE THORNTON PARK, NORTH PENRITH

TYPE SHEPHERD 24 (CUSTOM) JOB NO. 0016307

FACADE HARVARD HAND RH

DATE AUG '12 DWG NO. A18823 PAGE NO. 1 OF 7



**DRIVEWAY PROFILE 1:100**

EDGE OF EXISTING CONC. RL 19-58  
 BOUNDARY RL 19-616  
 GARAGE FFL RL 19-724

1200 6120

0.3% GRADE 1.8% GRADE

**RECEIVED**  
 D/MGT  
 17 JUN 2013  
 PENRITH CITY COUNCIL

**BARTLETT PLACE**  
**SITE ANALYSIS & SITE PLAN 1:200**

(A) PROPOSED EASEMENT FOR PADMOUNT SUBSTATION 2.75 WIDE  
 (C) PROPOSED RESTRICTION ON THE USE OF LAND

REFER TO LANDSCAPE PLANS FOR FENCING TYPES, LOCATION AND HEIGHTS, TOGETHER WITH LETTERBOX LOCATION & RETAINING WALL DETAILS

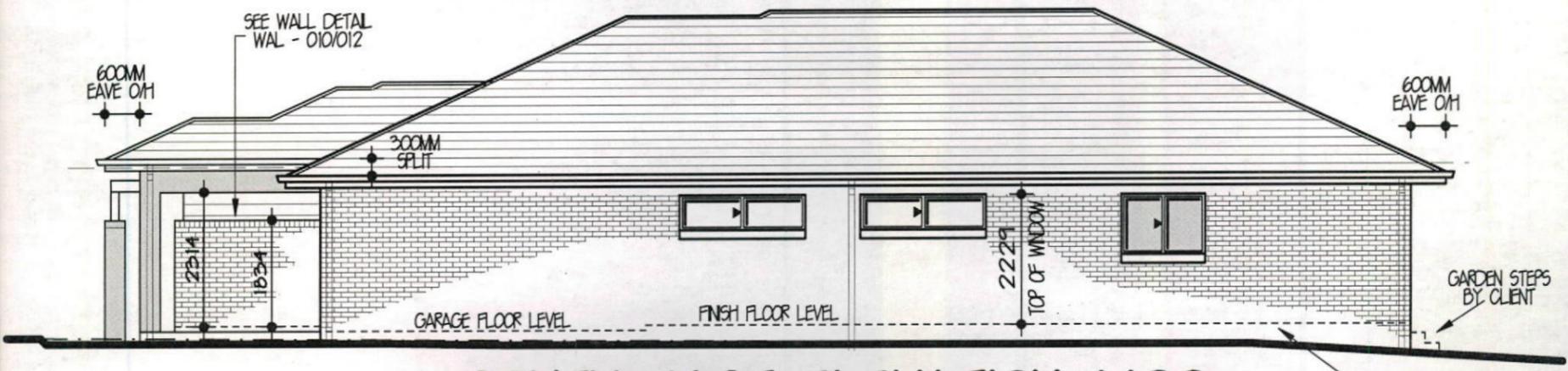
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D	1-3-13	AMENDMENTS	JT
E	20-03-13	RE-SITE & AMEND BASIS	DB
F	3-06-13	FIP AS TO CONSTR & SSD	DB

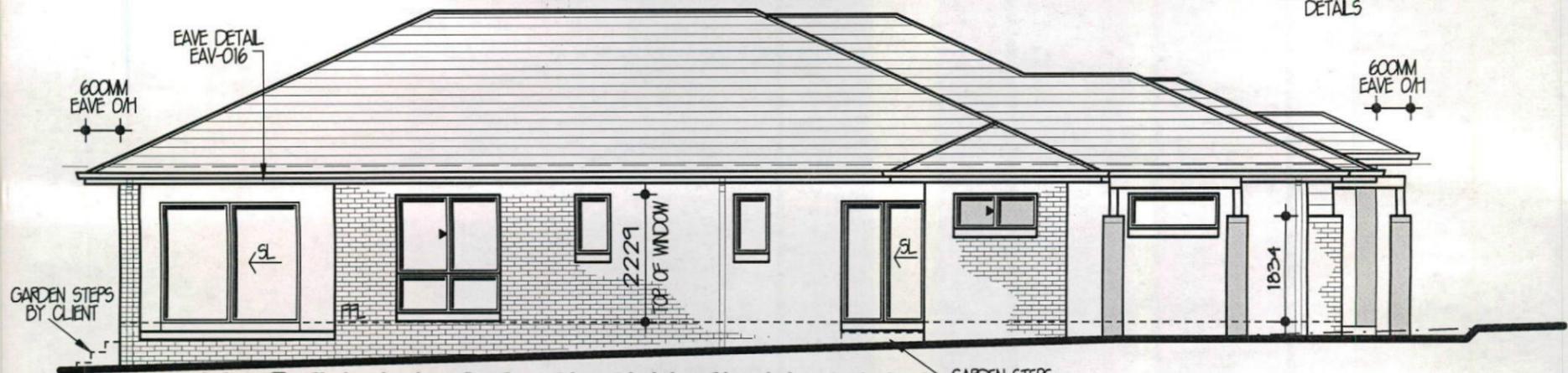
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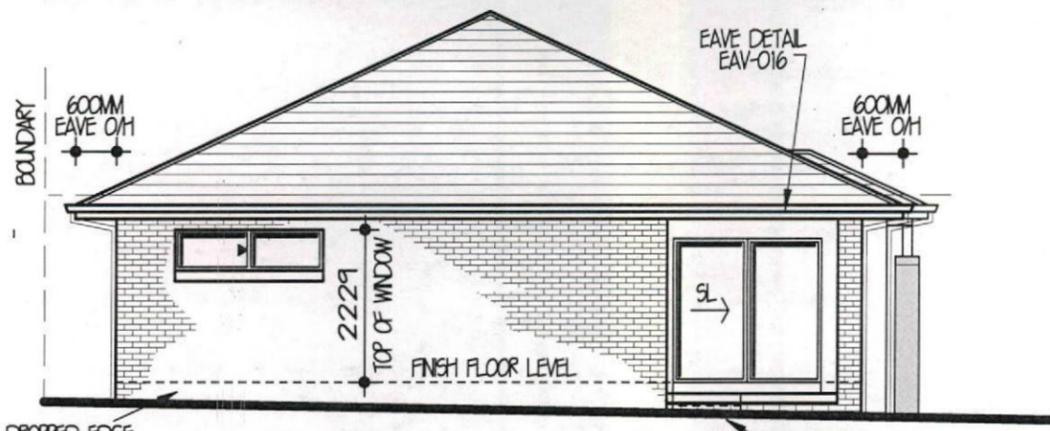
**SOUTH WEST ELEVATION 1:100**



**SOUTH EAST ELEVATION 1:100**



**NORTH WEST ELEVATION 1:100**



**NORTH EAST ELEVATION 1:100**

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*"It's where you want to live"*

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 P 8860 9222  
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FOR MR SURRY AND MRS MEENA  
 HARHARAN

AT LOT 1170 BARTLETT PLACE  
 THORNTON PARK, NORTH PENRITH

TYPE SHEPHERD 24 (CUSTOM)      JOB NO. 0016307

FACADE HARVARD      HAND R1

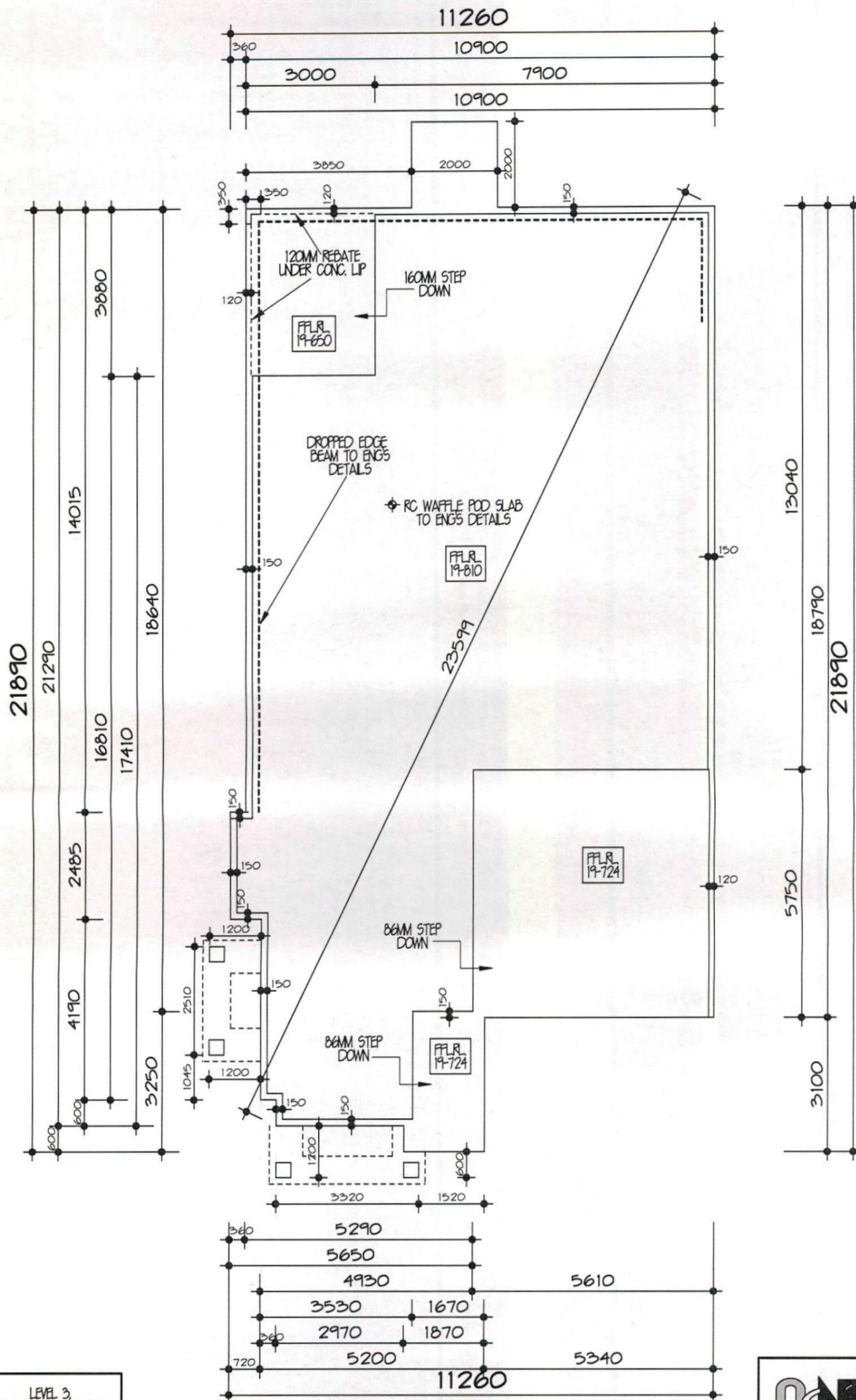
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# SLAB FLOOR PLAN 1:100

SLAB PLAN TO BE CROSS REFERENCED WITH FLOOR PLANS, ANY DISCREPANCIES ARE TO BE VERIFIED BEFORE PROCEEDING

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AT LOT 1170 BARTLETT PLACE THORNTON PARK, NORTH PENRITH	
TYPE SHEPHERD 24 (CUSTOM)	JOB NO. 0016307
FACADE HARVARD	HAND RH
DATE AUG' 12	DWG NO. A18823
	PAGE NO. 5 OF 7

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**STORMWATER / WATER**

COLLECTION OF RAINWATER & STORMWATER  
THE APPLICANT MUST INSTALL A RAINWATER TANK ON THE SITE. THE RAINWATER TANK MUST MEET, AND BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF ALL APPLICABLE REGULATORY AUTHORITIES

RAINWATER TANK:  
THE APPLICANT MUST CONFIGURE THE RAINWATER TANK TO COLLECT RUNOFF FROM AT LEAST 10% SQM OF THE ROOF AREA OF THE DWELLING

THE APPLICANT MUST CONNECT THE RAINWATER TANK TO ALL THE TOILETS IN THE DEVELOPMENT, SO THAT RAINWATER CAN BE USED FOR TOILET FLUSHING.

THE APPLICANT MUST CONNECT THE RAINWATER TANK TO THE COLD WATER TAP THAT SUPPLIES EACH CLOTHES WASHING MACHINE IN THE DEVELOPMENT, SO THAT RAINWATER CAN BE USED FOR CLOTHES WASHING.

THE APPLICANT MUST CONNECT THE RAINWATER TANK TO A LEAST ONE OUTDOOR TAP IN THE DEVELOPMENT SO THAT RAINWATER CAN BE USED TO IRRIGATE VEGETATED AREAS OF THE SITE.

THE RAINWATER TANK MUST HAVE A CAPACITY OF AT LEAST 5000 LITRES.

SHOWERHEADS  
THE APPLICANT MUST INSTALL SHOWERHEADS WITH A MINIMUM RATING OF 3 STAR (75 BUT <math>\leq 9</math> L/MIN IN ALL SHOWERS IN THE DEVELOPMENT

TOILETS  
THE APPLICANT MUST INSTALL A TOILET FLUSHING SYSTEM WITH A MINIMUM RATING OF 3 STAR IN EACH TOILET IN THE DEVELOPMENT.

TAP FITTINGS  
THE APPLICANT MUST INSTALL TAPS WITH A MINIMUM FLOW RATE OF 3 STAR IN THE KITCHEN IN THE DEVELOPMENT.

THE APPLICANT MUST INSTALL BATHROOM TAPS (OTHER THAN SHOWERHEADS) WITH A MINIMUM FLOW RATE OF 3 STAR IN EACH BATHROOM IN THE DEVELOPMENT

COOKING:  
THE APPLICANT MUST INSTALL A GAS COOKTOP & ELECTRIC OVEN IN THE KITCHEN OF THE DWELLING.

OTHER:  
THE APPLICANT MUST INSTALL A FIXED OUTDOOR CLOTHES DRYING LINE AS PART OF THE DEVELOPMENT

VENTILATION  
THE APPLICANT MUST INSTALL THE FOLLOWING EXHAUST SYSTEMS IN THE DEVELOPMENT:  
AT LEAST 1 BATHROOM: INDIVIDUAL FAN DUCTED TO FACADE OR ROOF OPERATION CONTROL;  
MANUAL SWITCH ON/OFF  
KITCHEN: INDIVIDUAL FAN DUCTED TO FACADE OR ROOF OPERATION CONTROL;  
MANUAL SWITCH ON/OFF  
LAUNDRY: INDIVIDUAL FAN DUCTED TO FACADE OR ROOF OPERATION CONTROL;  
MANUAL SWITCH ON/OFF

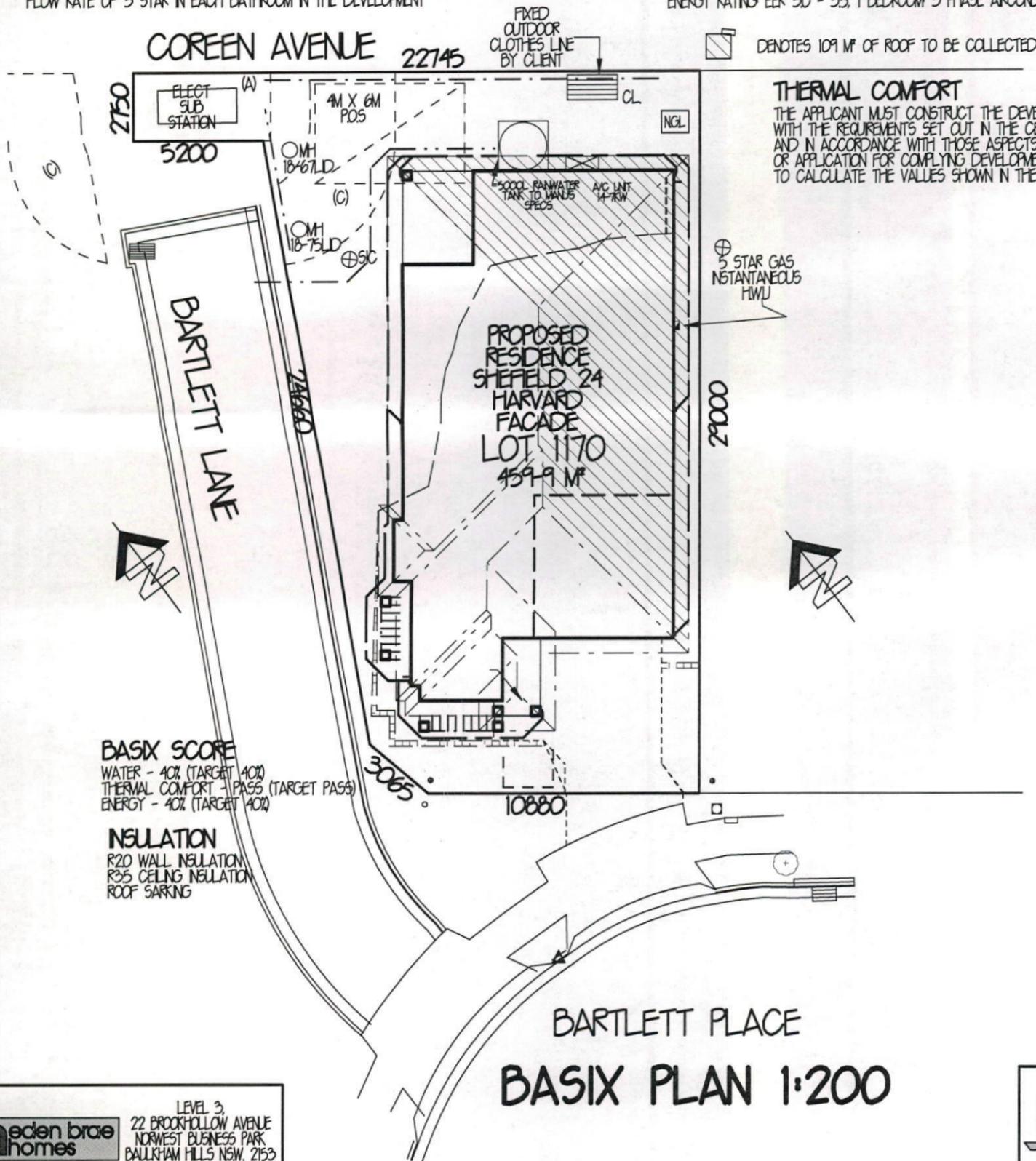
NATURAL LIGHTING:  
THE APPLICANT MUST INSTALL A WINDOW AND/OR SKYLIGHT IN 2 BATHROOM(S)/TOILET(S) IN THE DEVELOPMENT FOR NATURAL LIGHTING.

THE APPLICANT MUST INSTALL A WINDOW AND/OR SKYLIGHT IN THE KITCHEN OF THE DWELLING FOR NATURAL LIGHTING

ENERGY  
HOT WATER:  
THE APPLICANT MUST INSTALL THE FOLLOWING HOT WATER SYSTEM IN THE DEVELOPMENT:  
GAS INSTANTANEOUS - 5 STARS. (OR ONE WITH A HIGHER STAR RATING)

ACTIVE COOLING:  
THE APPLICANT MUST INSTALL THE FOLLOWING COOLING SYSTEMS IN THE DEVELOPMENT, OR SYSTEMS WITH A HIGHER ENERGY RATING: 1 LIVING AREA: 3 PHASE AIRCONDITIONING ENERGY RATING EER 25 - 30, 1 BEDROOM: 3 PHASE AIRCONDITIONING ENERGY RATING EER 25 - 30

ACTIVE HEATING:  
THE APPLICANT MUST INSTALL THE FOLLOWING HEATING SYSTEMS IN THE DEVELOPMENT, OR SYSTEMS WITH A HIGHER ENERGY RATING: 1 LIVING AREA: 3 PHASE AIRCONDITIONING ENERGY RATING EER 30 - 35, 1 BEDROOM: 3 PHASE AIRCONDITIONING ENERGY RATING EER 30 - 35



**THERMAL COMFORT**

THE APPLICANT MUST CONSTRUCT THE DEVELOPMENT IN ACCORDANCE WITH THE REQUIREMENTS SET OUT IN THE CERTIFICATE N° 4480265 AND IN ACCORDANCE WITH THOSE ASPECTS OF THE DEVELOPMENT APPLICATION OR APPLICATION FOR COMPLYING DEVELOPMENT CERTIFICATE WHICH WERE USED TO CALCULATE THE VALUES SHOWN IN THE CERTIFICATE N° 4480265

**BASIX SCORE**  
WATER - 40% (TARGET 40%)  
THERMAL COMFORT - PASS (TARGET PASS)  
ENERGY - 40% (TARGET 40%)

**INSULATION**  
R20 WALL INSULATION  
R35 CEILING INSULATION  
ROOF SARKING

**BARTLETT PLACE  
BASIX PLAN 1:200**

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# SEWER SERVICE DIAGRAM

MUNICIPALITY OF .....

Lot No. .... House No. ....

SUBURB OF .....

STREET .....

SSD .....

SCALE: .....

## SYMBOLS AND ABBREVIATIONS

### INDICATES - DRAINAGE FIXTURES

■	Manhole	⊕	Gully
□ Chr	Chamber	⊕ <sup>R</sup>	Reflux Valve
● LH	Lamp hole	⊕	Inspection Opening
⊗	Boundary Trap	○ Vert	Vertical Pipe
⊕	Inspection Shaft	IP	Induct Pipe
⊕	Pit	MF	Mica Flap
⊕	Grease Interceptor	● RP	Rodding Point
⊕	Greywater Treatment System	⊕	Slope Junction
⊕ TMS	Terminal Maint. Shaft	⊕	Vertical Junction
⊕ MS	Maintenance Shaft	⊕	On Back Junction

### INDICATES - PLUMBING FIXTURES & OR FITTINGS

CO	Clean out	Bid	Bidet
○ v	Vent Pipe	Shr	Shower
Tr.(L)	Through laundry	DWM	Dishwashing Machine
S	Sink (kitchen)	FW	Floor waste gully
WC	Water Closet	CWM	Clothes-washing machine
Bth.	Bath Waste	BS	Sink Bar
H	Basin	LS	Sink Laboratory
AAV	Air Admittance Valve	+	LP Reducer

### INDICATES - PLUMBING ON MORE THAN ONE LEVEL

○ SVP	Soil Vent Pipe	○ WS	Waste Stack
Date .....			
— E	ELEC.		
⊕	Pump Unit		
⊕	Boundary Valve		
⊕ PRV	Boundary Valve with PRV		
⊕	Alarm Control Panel		
⊕	LP Stop Valve		
⊕	LP Air Valve		
⊕	HSV Flow Monitor		
⊕	Vacuum Chamber		
⊕ FP	Flushing Point		

Licence No. ....

Permit/COC No. ....

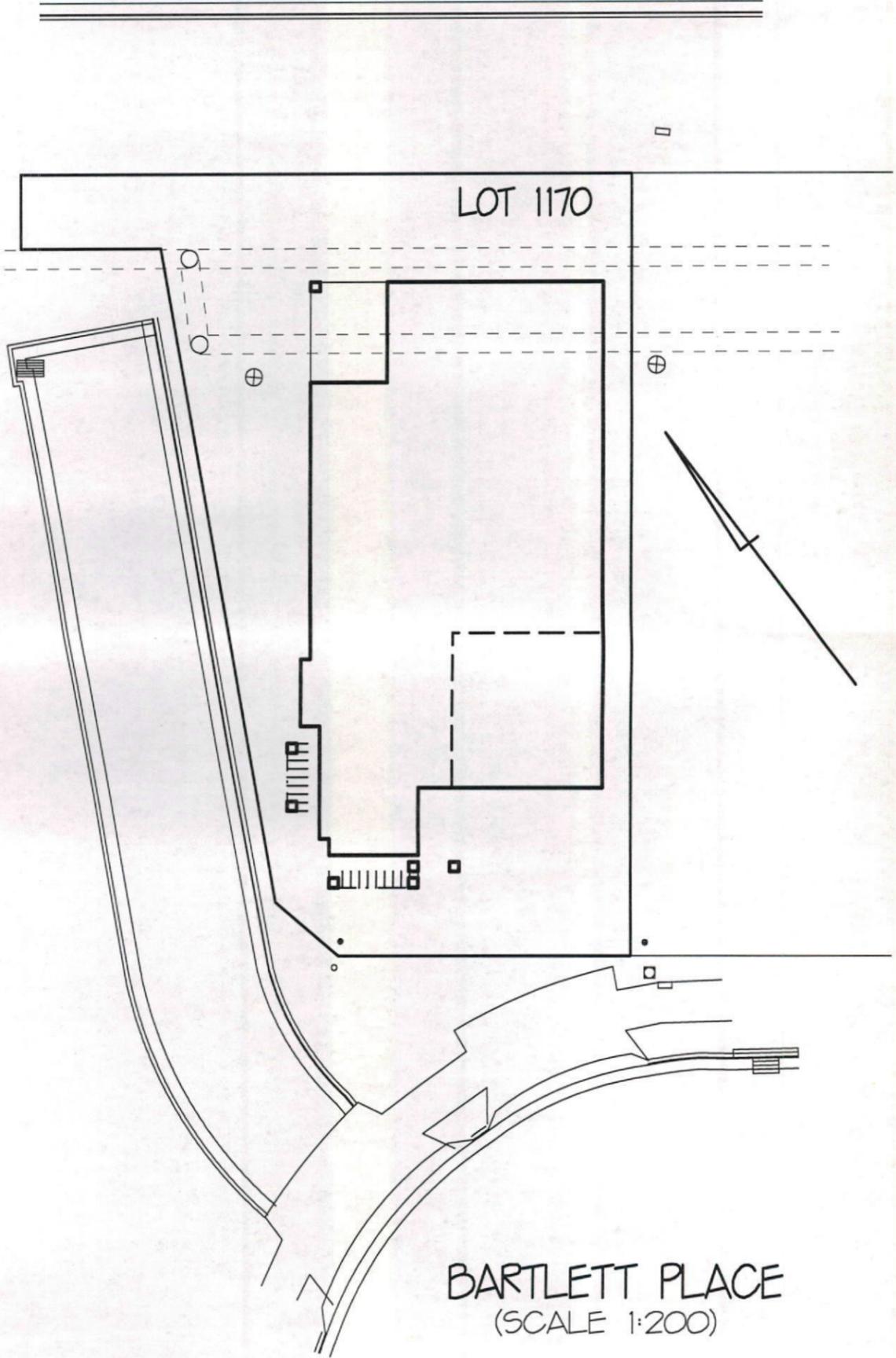
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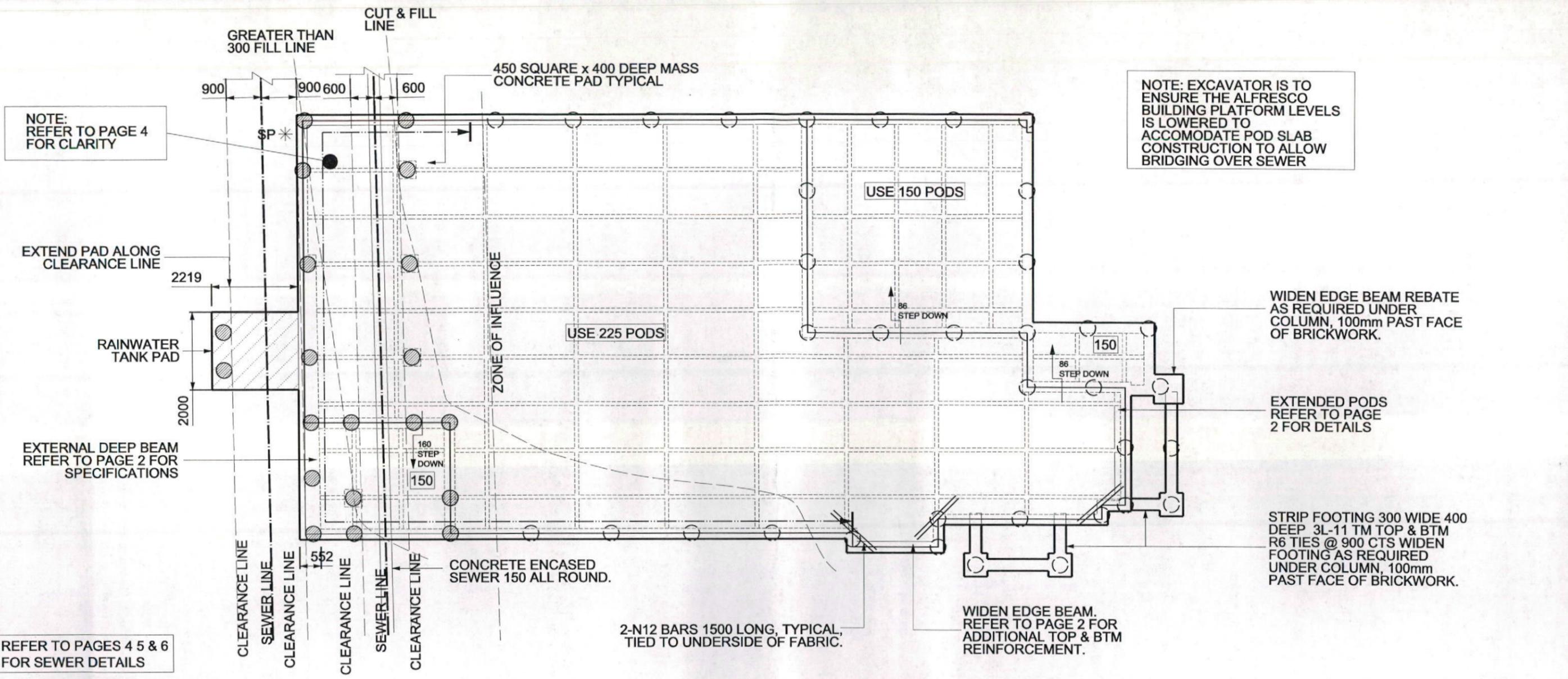
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NOTE: EXCAVATOR IS TO ENSURE THE ALFRESCO BUILDING PLATFORM LEVELS IS LOWERED TO ACCOMMODATE POD SLAB CONSTRUCTION TO ALLOW BRIDGING OVER SEWER

NOTE: REFER TO PAGE 4 FOR CLARITY

WIDEN EDGE BEAM REBATE AS REQUIRED UNDER COLUMN, 100mm PAST FACE OF BRICKWORK.

EXTENDED PODS REFER TO PAGE 2 FOR DETAILS

STRIP FOOTING 300 WIDE 400 DEEP 3L-11 TM TOP & BTM R6 TIES @ 900 CTS WIDEN FOOTING AS REQUIRED UNDER COLUMN, 100mm PAST FACE OF BRICKWORK.

EXTEND PAD ALONG CLEARANCE LINE

EXTERNAL DEEP BEAM REFER TO PAGE 2 FOR SPECIFICATIONS

REFER TO PAGES 4 5 & 6 FOR SEWER DETAILS

WIDEN EDGE BEAM. REFER TO PAGE 2 FOR ADDITIONAL TOP & BTM REINFORCEMENT.

**CONSTRUCTION NOTES**

**GENERAL:** UNLESS NOTED OTHERWISE  
 THE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL OTHER WORKING DRAWINGS AND SPECIFICATIONS AND ANY OTHER WRITTEN INSTRUCTIONS ISSUED DURING CONSTRUCTION. ALL DISCREPANCIES AND VARIATIONS SHALL BE REFERRED TO THE ENGINEER, BEFORE PROCEEDING WITH THE WORK.  
 DURING CONSTRUCTION THE STRUCTURE AND ANY ADJACENT STRUCTURE SHALL BE MAINTAINED IN A STABLE CONDITION AND NO PART SHALL BE OVERSTRESSED.  
 DIMENSIONS SHALL NOT BE OBTAINED BY SCALING THE DRAWING ALL LEVELS AND SETTING OUT DIMENSIONS SHOWN ON THE DRAWINGS SHALL BE CHECKED ON SITE PRIOR TO THE COMMENCEMENT OF THE WORKS.  
 THE CONTRACTOR IS RESPONSIBLE TO ESTABLISH THE LOCATION, SIZE AND LEVEL OF ALL EXISTING SERVICES PRIOR TO THE COMMENCEMENT OF WORKS.  
 ALL SITE SAFETY MEASURES AND WORK METHOD STATEMENTS PREPARED BY BUILDER/SUB-CONTRACTORS ARE TO BE IMPLEMENTED DURING CONSTRUCTION. NO WORK IS TO COMMENCE UNTIL SUPERVISOR/BUILDER HAS IDENTIFIED AND APPROPRIATELY ACTED ON ANY POTENTIAL HAZARDS.  
 UNLESS REQUESTED AND PRODUCED ON THE PLANS, BUILDER IS TO ENSURE THAT ARTICULATION JOINTS ARE SHOWN ON THEIR ARCHITECTURAL DRAWINGS AND BE SATISFIED THEY ARE IN ACCORDANCE WITH RELEVANT AUSTRALIAN STANDARDS AND BUILDING CODES.

ALL WORKMANSHIP AND MATERIALS TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF RELEVANT AUSTRALIAN STANDARD CODES AND THE REGULATIONS OF THE RELEVANT BUILDING AUTHORITY  
 FOOTINGS ARE DESIGNED FOR AN ALLOWABLE BEARING PRESSURE OF 100kPa.  
 PIERS HOLES ARE DESIGNED FOR ALLOWABLE BEARING PRESSURE OF 200kPa.  
 FOUNDATION MATERIAL SHALL BE APPROVED PRIOR TO CONSTRUCTION  
 ADDITIONAL CONCRETE PIERS MAY BE REQUIRED UNDER SLAB TO EVEN BEARING IN SOIL AS RECOMMENDED BY AUSTRALIAN STANDARD AS 2870.  
 ADDITIONAL PIERS IN THE CUT SECTION OF BUILDING PLATFORM MAY ALSO BE REQUIRED TO ACHIEVE THE SAME BEARING AS PIERS IN THE FILL SECTION.  
 A 1 METRE WIDE APRON, WITH 25 CROSS FALL AWAY FROM SLAB EDGE IS TO BE FORMED ALL AROUND THE RAFT SLAB WHERE APPLICABLE  
 IF THE LOCATION OF THE SLAB IS NEXT TO AN ABOVE OR BELOW ON SITE DETENTION SYSTEM OR BELOW GROUND RAINWATER TANK, THE BUILDER IS TO ADVISE ENGINEER IN ORDER TO ENSURE THAT CONCRETE PIERS ARE TAKEN 500mm BELOW THE INVERT LEVEL OF TANK OR THE FOOTING OF THE SUPPORTING WALL FOR AN ABOVE GROUND DETENTION SYSTEM.  
 ALL SITE FILLING PLACED BENEATH SLAB TO BE TREATED IN ACCORDANCE WITH CLAUSE 6.4. OF AS 2870.2 - 2011.

REFER TO ARCHITECTURAL PLANS FOR LOCATIONS OF RAINWATER TANK AC, HWS AND LPG UNITS.  
 CONCRETE SPECIFICATION (F<sub>c</sub> 28 DAYS) TO BE AS FOLLOWS: ADOPT TYPE 'A' CEMENT WITH MAX AGGREGATE SIZE OF 20mm AND 80mm SLUMP

LOCATION	NORMAL F <sub>c</sub>	SALINE AFFECTED F <sub>c</sub>
PIERS	15 MPa	32 MPa
SLAB	20 MPa	32 MPa
STRIP FOOTINGS	25 MPa	32 MPa

CLEAR COVER TO REINFORCEMENT TO BE AS FOLLOW:

LOCATION	FORMED & SHELTERED	FORMED & EXPOSED	POURED ON GROUND
SLABS & WALLS	20	30	65
BEAMS	25	40	65
COLUMNS	40	50	—
STRIP FOOTING	—	—	65

REINFORCEMENT SYMBOLS ARE AS FOLLOWS:  
 (N) - HOT ROLLED DEFORMED BARS (400 n)  
 (SL) - HARD-DRAWN WIRE REINFORCING FABRIC (450 sl)  
 (S) - STRUCTURAL GRADE DEFORMED BARS  
 NO HOLES OR CHASES OTHER THAN THOSE SHOWN ON THE STRUCTURAL DRAWINGS ARE TO BE MADE IN CONCRETE MEMBERS WITHOUT PRIOR ENGINEERS APPROVAL.  
 CONSTRUCTION JOINTS THAT ARE NOT SHOWN SHALL BE LOCATED TO THE APPROVAL OF THE ENGINEER.  
 ALL REINFORCEMENT TO BE ADEQUATELY SUPPORTED IN ITS REQUIRED POSITION AND COVER DURING PLACEMENT OF CONCRETE  
 PIPES OR CONDUITS SHALL NOT BE PLACED WITHIN THE CONCRETE COVER TO REINFORCEMENT WITHOUT THE APPROVAL OF THE ENGINEER.  
 ALL CONCRETE TO BE MECHANICALLY VIBRATED AND SHALL BE CAREFULLY WORKED AROUND THE REINFORCEMENT AND INTO THE CORNERS OF FORMWORK  
 BUILDER TO ADHERE TO ANY GEOTECHNICAL REPORT RECOMMENDATIONS PREPARED FOR THE SITE.  
 (N) REINFORCED CONC. PIER (●) SEWER AFFECTED PIER (⊕) SCREW PIER  
 (○) UNREINFORCED CONC. PIER (♀) ARTICULATION JOINT (\*) STARTING POINT  
DESIGNED TO AS 2870 - 2011 SLAB AND FOOTING CODE

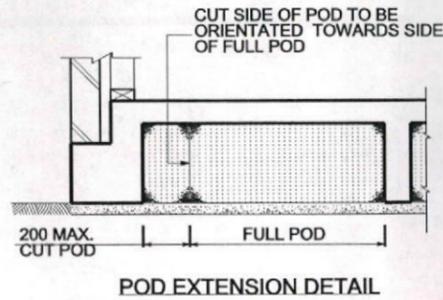
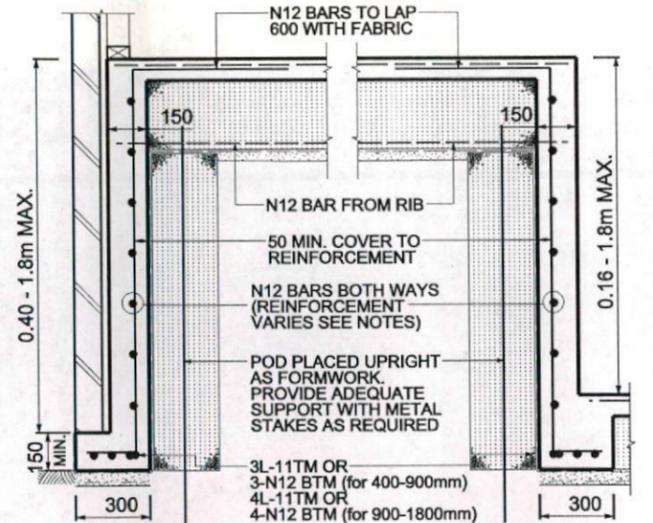
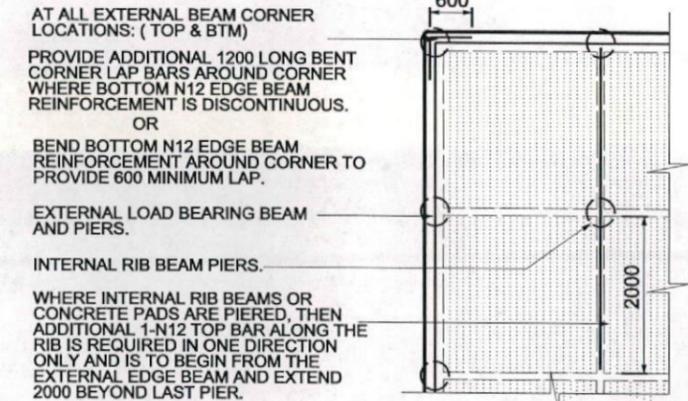
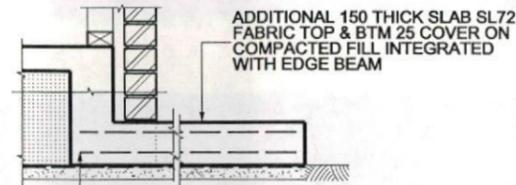
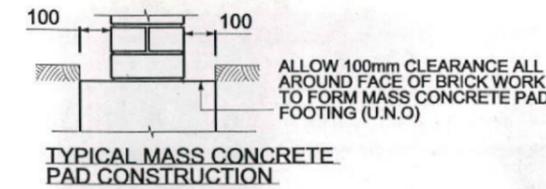
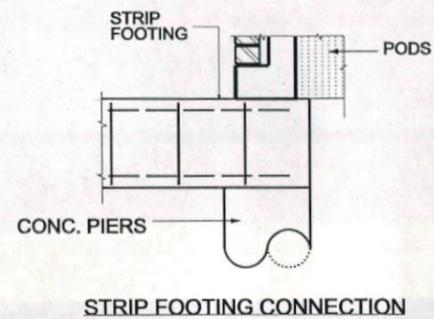
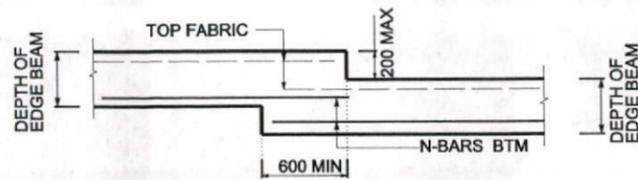
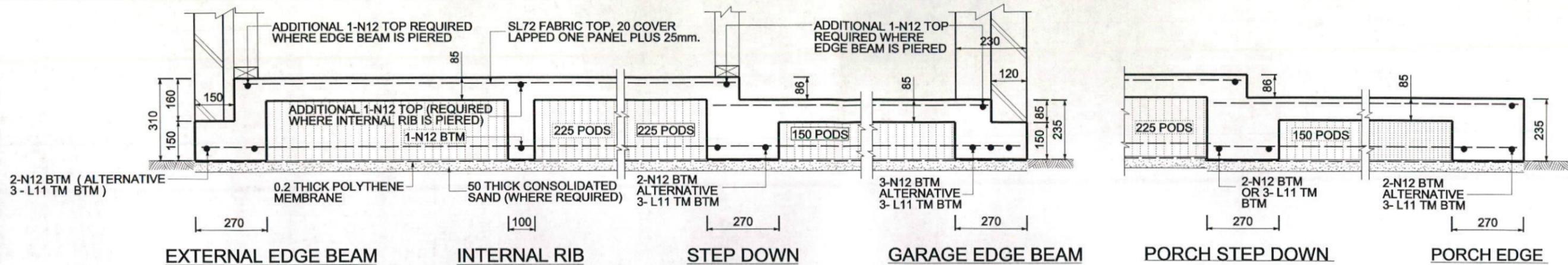
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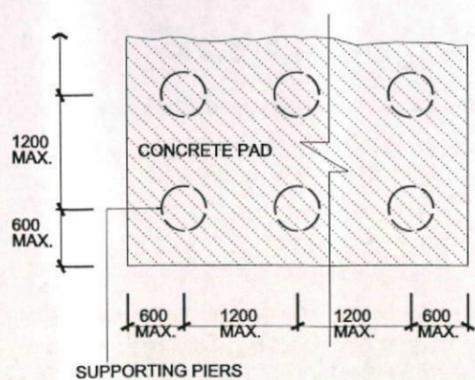
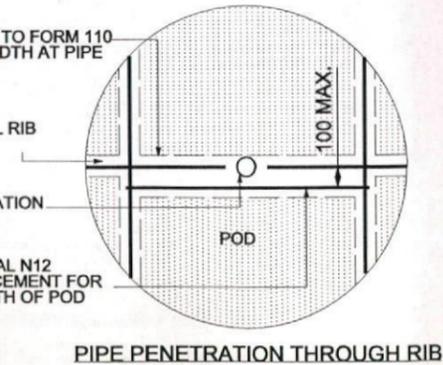
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STRUCTURAL SLAB DETAIL PLAN							
CLIENT	MR SURRY AND MRS MEENA HARIHARAN						
LOCATION	LOT 1170 BARTLETT PLACE, THORNTON PARK, NORTH PENRITH						
CLASSIFICATION	M	DRAWN	N.P	SCALE	1:100	SHEET No.	1
REFERENCE	16307	ISSUE	C	DATE	24.05.13	JOB No.	55040EB



- FOR RAINWATER TANK, LPG & A/C UNITS ETC. REFER TO ARCHITECTURAL PLANS FOR LOCATIONS.
- SPACE PIERS AS REQUIRED TO SUIT PAD SIZE:
- 500 MAXIMUM TO EDGE OF SLAB FOR PERIMETER PIERS.
- 1000 MAXIMUM CENTRES IF ADDITIONAL INTERNAL PIERS ARE REQUIRED FOR PAD SIZE.

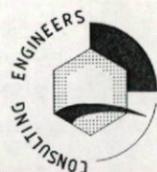


DEEP BEAM DEPTH	BEAM REINFORCEMENT
160 - 400mm	N12 BARS AT 1200 CENTRES & 1-N12 HORIZONTAL
400 - 900mm	N12 BARS AT 600 CENTRES & 1-N12 CENTRALLY
900 - 1500mm	N12 BARS AT 300 CENTRES BOTH WAYS
1500 - 1800mm	N12 BARS AT 200 CENTRES BOTH WAYS

PROVIDE 400 DIA. CONCRETE PIERS TO CLAY AND SAND, OR 300 DIA. TO ROCK OR SHALE.  
 SPACE PIERS AT 2400 CTS AS SHOWN ALONG EXTERNAL EDGE BEAM, UNLESS NOTED OTHERWISE  
 PIERS REQUIRED UNDER INTERNAL RIB BEAMS WHEN CONSTRUCTED ON MORE THAN 300mm OF UNCONTROLLED/NON-COMPACTED MATERIAL, OR AS SHOWN.  
 N12 BARS CAN BE REPLACED WITH 10.65mm HDW (450MPa STRESS GRADE)

REINFORCEMENT FOR RIBS AND BEAMS		
WIDTH	TOP STEEL	BTM STEEL
271-330	1-N12	3-N12
331-440	2-N12	4-N12
441-550	3-N12	5-N12
551-660	4-N12	6-N12

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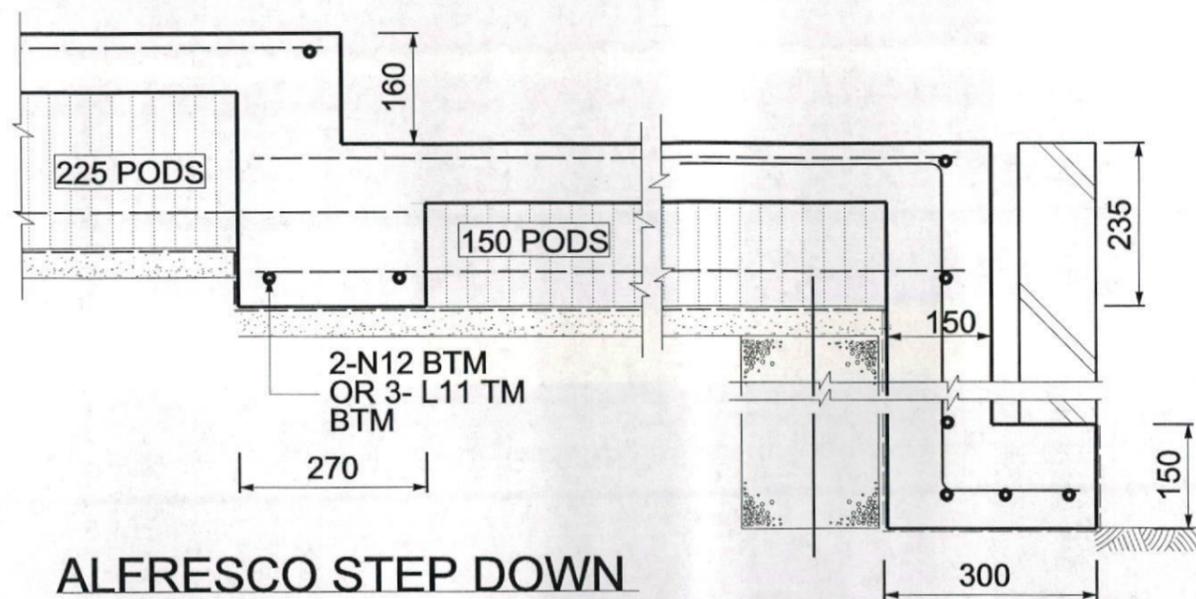
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225.72.2.N | 225.150.86.2 | 225.150.86.2

**STRUCTURAL DETAIL PLAN**

CLIENT	MR SURRY AND MRS MEENA HARIHARAN			
LOCATION	LOT 1170 BARTLETT PLACE, THORNTON PARK, NORTH PENRITH			
CLASSIFICATION	M	SCALE	NTS.	SHEET No. 2
ISSUE	C	DATE	24.05.13	JOB No. 55040EB



ALFRESCO STEP DOWN

ALFRESCO D.E.B

(REFER TO EXTERNAL DEEP BEAM DETAILS FOR REINFORCEMENT SPECIFICATIONS)

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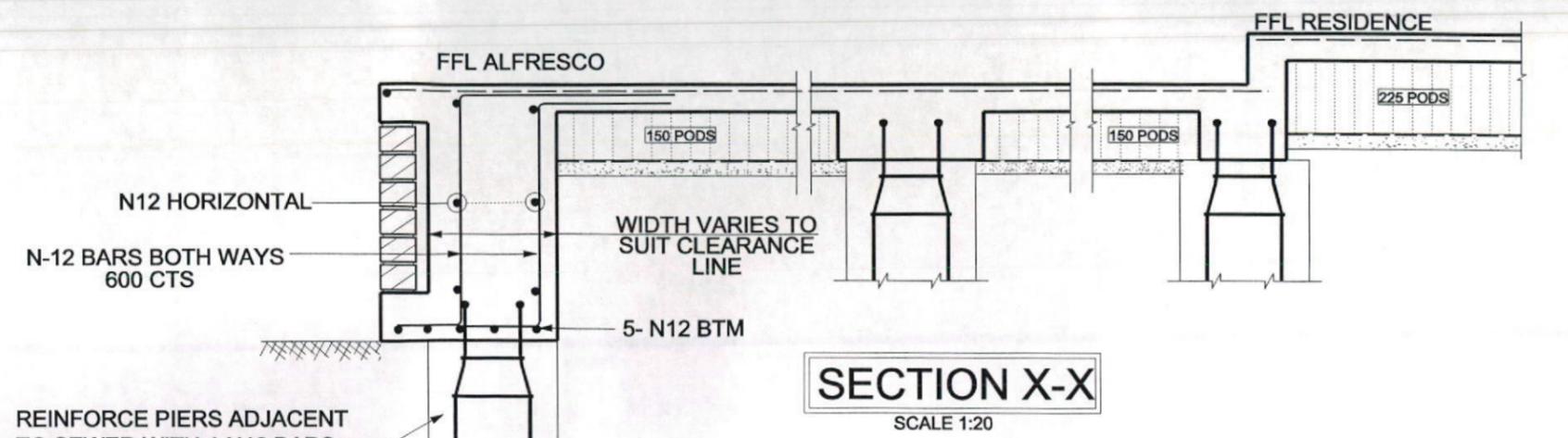
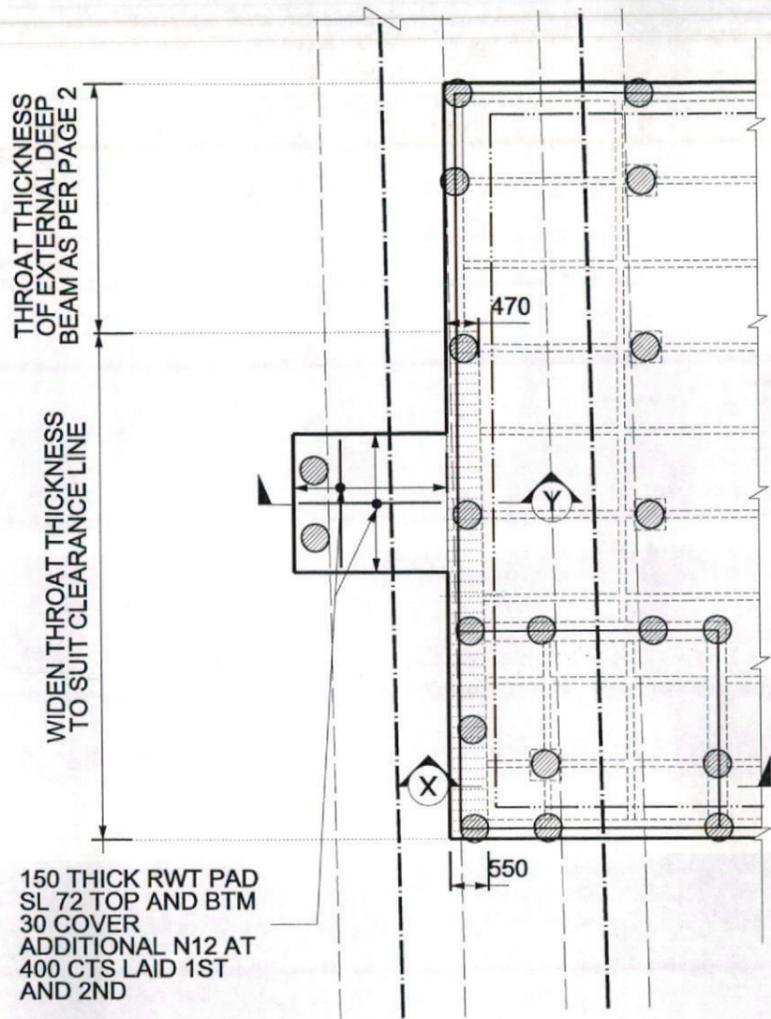


STRUCTURAL SLAB DETAIL PLAN

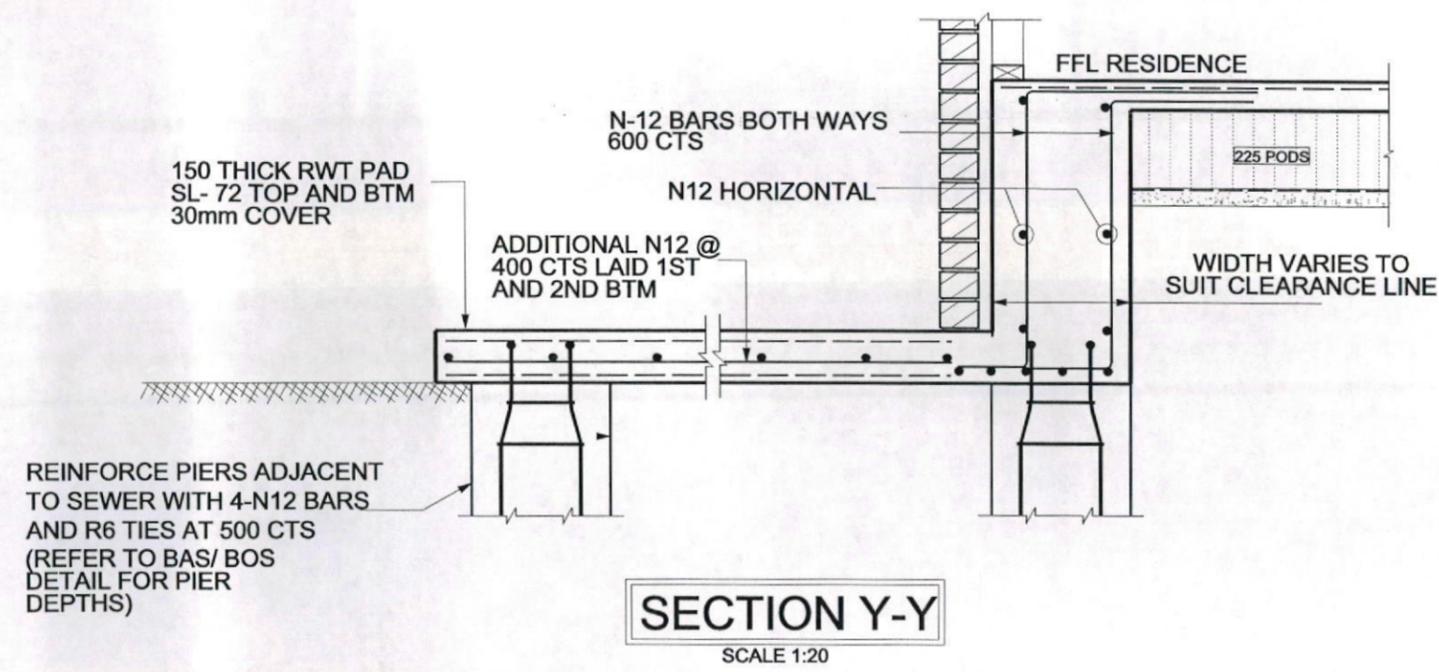
CLIENT LOCATION MR SURRY AND MRS MEENA HARIHARAN  
LOT 1170 BARTLETT PLACE, THORNTON PARK, NORTH PENRITH

A3

CLASSIFICATION	M	DRAWN	N.P	SCALE	1:100	SHEET No.	3
REFERENCE	16307	ISSUE	C	DATE	24.05.13	JOB No.	55040EB



REINFORCE PIERS ADJACENT TO SEWER WITH 4-N12 BARS AND R6 TIES AT 500 CTS (REFER TO BAS/ BOS DETAIL FOR PIER DEPTHS)



REINFORCE PIERS ADJACENT TO SEWER WITH 4-N12 BARS AND R6 TIES AT 500 CTS (REFER TO BAS/ BOS DETAIL FOR PIER DEPTHS)

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*[Signature]*  
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**STRUCTURAL SLAB DETAIL PLAN**

CLIENT	MR SURRY AND MRS MEENA HARIHARAN				A3
LOCATION	LOT 1170 BARTLETT PLACE, THORNTON PARK, NORTH PENRITH				
DRAWN	J.B	SCALE	1:100	SHEET No.	4
REFERENCE	16307	ISSUE	C	DATE	24.05.13
				JOB No.	55040EB

PEG 'C' - 2.56m TO INVERT  
NGL R.L. - 19.10

PEG 'E' - 1.81m TO INVERT  
NGL R.L. - 19.45

BOUNDARY LINE

COREEN AVENUE

BARTLETT PLACE

**LOT 1170**

PROPOSED RESIDENCE  
FFL 19.810 R.L.  
FPL 19.500 R.L.

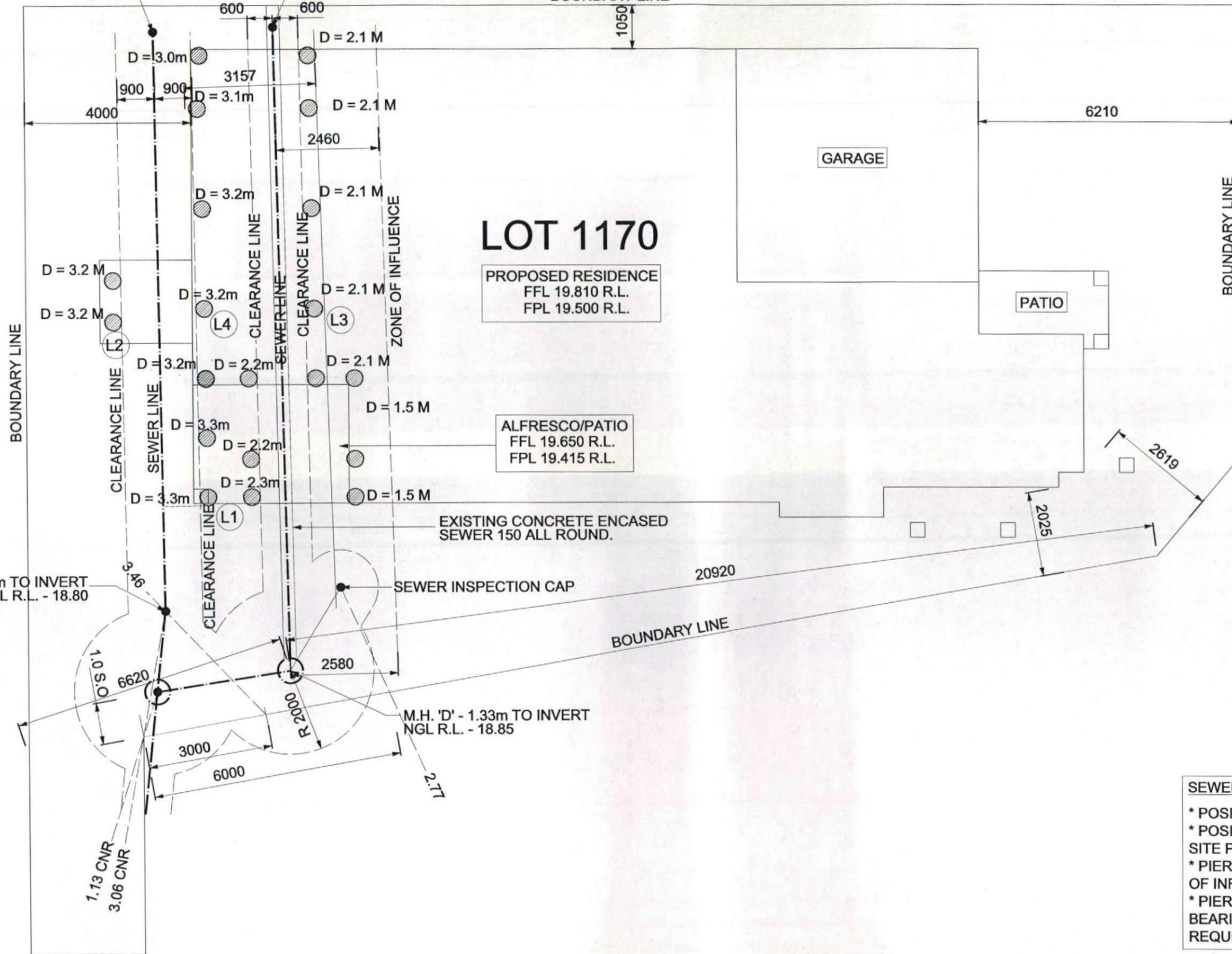
ALFRESCO/PATIO  
FFL 19.650 R.L.  
FPL 19.415 R.L.

EXISTING CONCRETE ENCASED  
SEWER 150 ALL ROUND.

SEWER INSPECTION CAP

M.H. 'D' - 1.33m TO INVERT  
NGL R.L. - 18.85

PEG 'B' - 2.50m TO INVERT  
NGL R.L. - 18.80

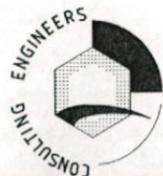


**SEWER NOTES:**

- \* POSITION OF SEWER IS ONLY APPROXIMATE
- \* POSITION OF SEWER IS TO BE VERIFIED ON SITE PRIOR TO COMMENCEMENT OF WORK
- \* PIER DEPTHS AS SHOWN ARE FOR ZONE OF INFLUENCE REQUIREMENTS
- \* PIERS ARE TO BE FOUNDED ON NATURAL BEARING AS PER ENGINEERING REQUIREMENTS WHERE NECESSARY

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**SITE AND B.A.S/B.O.S DETAIL PLAN**

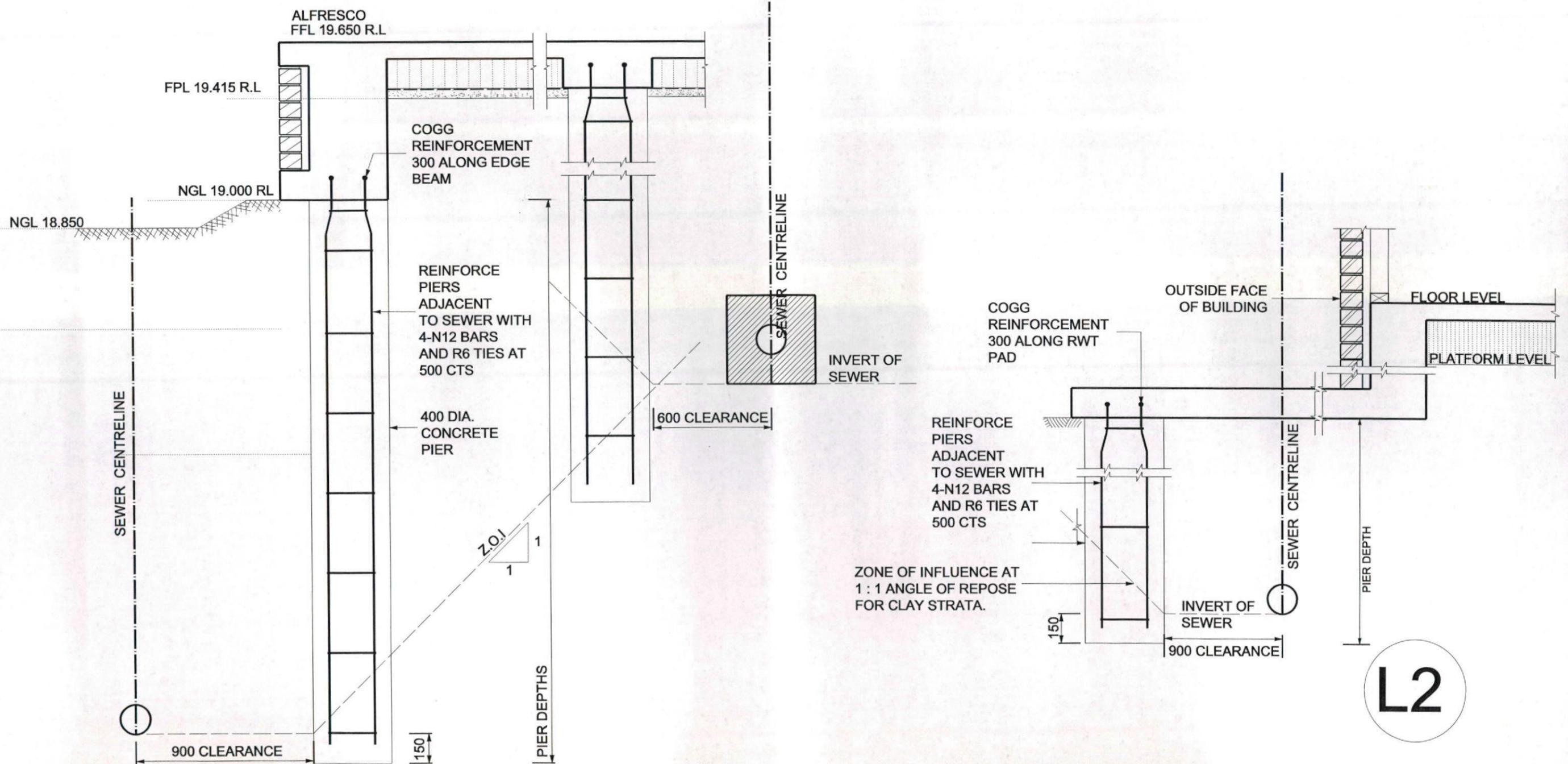
CLIENT	MR SURRY AND MRS MEENA HARIHARAN				A3
LOCATION	LOT 1170 BARTLETT PLACE, THORNTON PARK, NORTH PENRITH				
CLASSIFICATION	M	DRAWN	J.O	SCALE	1:100
REFERENCE	16307	ISSUE	C	DATE	24.05.13
		SHEET No.			5
		JOB No.			55040EB

**SEWER NOTES:**

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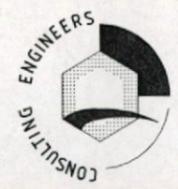
**SEWER CALCULATIONS**

	L1	L2	L3	L4
PERPENDICULAR DISTANCE FROM SEWER TO PIER (m)	0.900	0.600	0.600	0.900
FINISHED PLATFORM LEVEL AT PIER LOCATION (r.l.) =	19.415	19.500	19.500	19.500
SEWER INVERT LEVEL PERPENDICULAR AT LOCATION (r.l.) =	16.372	16.420	17.606	16.463
PIER DEPTH FROM FINISHED PLATFORM LEVEL (m) =	3.2	3.2	2.1	3.2
Z.O.I. EXTENT FROM SEWER USING PLATFORM LEVEL (m) =	3.728	3.680	2.794	3.637
NATURAL GROUND LEVEL AT SEWER LOCATION (R.L.) =	18.890	18.950	19.281	19.004



**L2**

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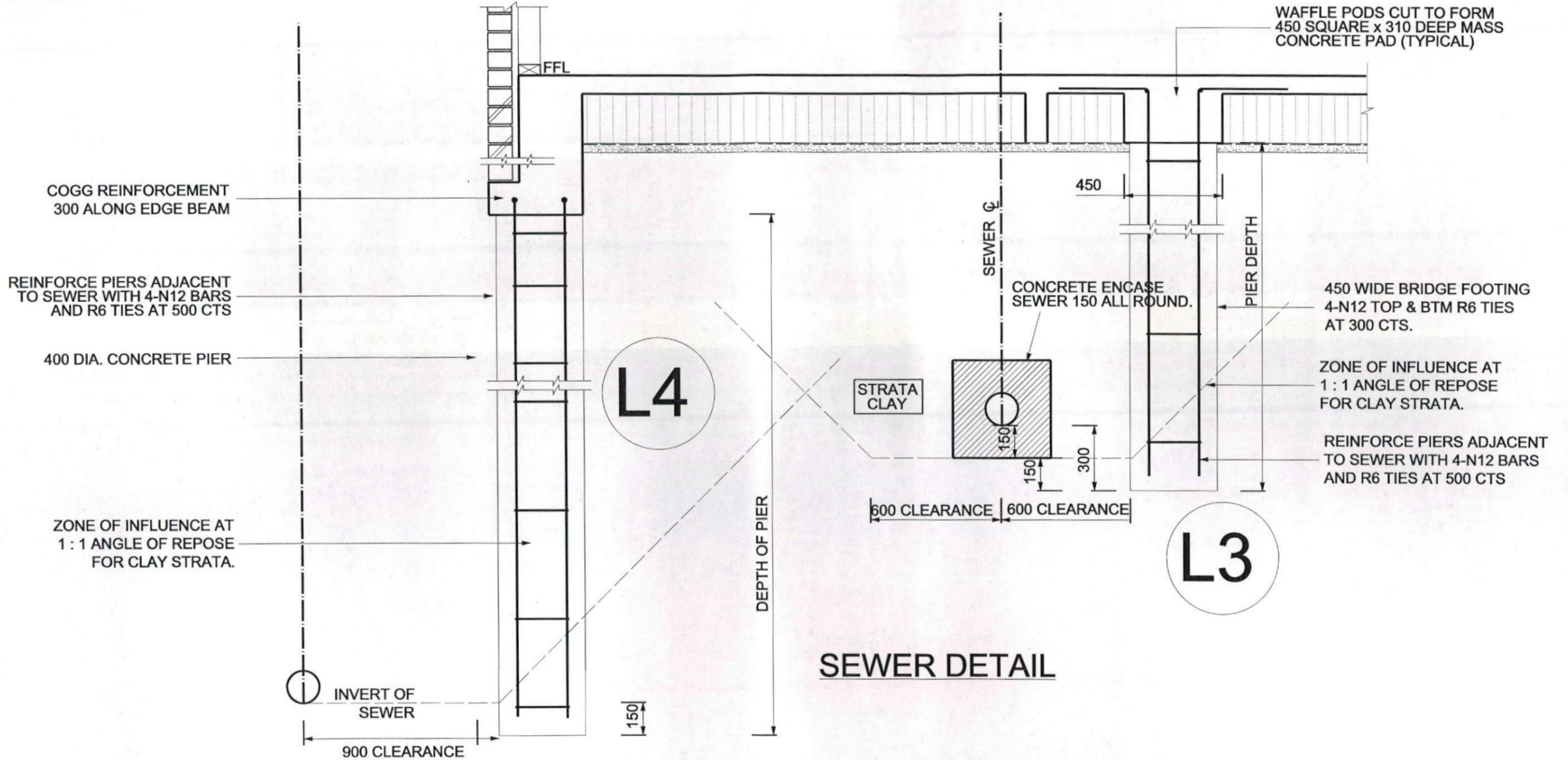


**SEWER SECTION/S PLAN**  
**SEWER DETAIL**

CLIENT	MR SURRY AND MRS MEENA HARIHARAN			A3
LOCATION	LOT 1170 BARTLETT PLACE, THORNTON PARK, NORTH PENRITH			
CLASSIFICATION	M	DRAWN	J.O	SCALE 1:20
REFERENCE	16307	ISSUE	C	DATE 24.05.13
				SHEET No. 6
				JOB No. 55040EB

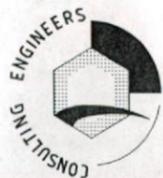
**SEWER NOTES:**

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CLASSIFICATION M  
 REFERENCE 16307

**SEWER SECTION/S PLAN**

CLIENT MR SURRY AND MRS MEENA HARIHARAN  
 LOCATION LOT 1170 BARTLETT PLACE, THORNTON PARK, NORTH PENRITH

A3

DRAWN	J.O	SCALE	1:20	SHEET No.	7
ISSUE	C	DATE	24.05.13	JOB No.	55040EB