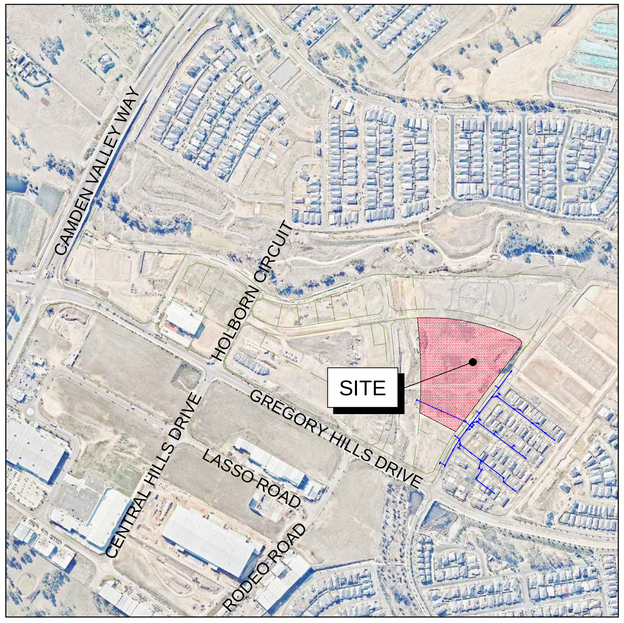

Locality Plan

Sheet List Table

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Mott MacDonald

Gregory Hills
Development Company
Pty Ltd

Gregory Hills Corporate Park
Camden Medical Campus

EIS Submission Drawings

MMD-368851-C-DR-CA-0001 P4
Date: 13.05.16

Camden Council General Notes

CCGN1 All work to be carried out in accordance with Camden Council's Engineering Design and Engineering Construction Specifications and to the requirements of the Certifying Authority.

CCGN2 Inspections by Certifying Authority are required at the following stages and the works approved prior to continuance of any future work:

(a) Following installation of erosion and sediment control structures/measures.

(b) Prior to backfilling pipelines, subsoil drains and dams.

(c) Prior to casting of pits and other concrete structures, including kerb and gutter but following placement of footings, formwork, and reinforcement.

(d) Prior to placement of sub base and all subsequent pavement layers, a proof roller test of each pavement layer is required.

(e) Formworks prior to pouring concrete in parking area for footpath crossing and other associated work.

(f) Prior to backfilling public utility crossings in road reserves.

(g) Final inspections after all works are completed and 'works as executed' plans have been submitted to Council.

CCGN3 No trees are to be removed unless approval is granted by Council's Landscape Compliance Officer or as authorised by development consent.

CCGN4 Make smooth junctions with existing works.

CCGN5 No work is to be carried out on Council property or adjoining properties without the written permission from the owner/s.

CCGN6 Vehicular access and all utilities/services are to be maintained at all times to adjoining properties affected by construction.

CCGN7 All rubbish, buildings, sheds and fences to be removed to satisfaction of Council's Engineer.

CCGN8 Council Engineers have discretion to vary, as considered necessary, the engineering requirements in respect of a particular subdivision or development having regard to the site context.

Camden Council Earthworks Notes

CCEN1 Earthworks are to be carried out to the satisfaction of the Council. Unsuitable materials are to be removed from roads and lots prior to filling. The Contractor is to arrange and make available compaction testing results for all areas that contain fill in excess of 200 mm.

CCEN2 Compaction of earthworks shall continue until a dry density ratio of 95% for site filling and 100% for road pavement subgrades has been achieved in accordance with test method AS1289.5.3.1 or AS.1289.5.1.1. The control testing of earthworks shall be in accordance with the guidelines in AS3798 'Guidelines on Earthworks for Commercial and Residential Developments'. Where it is proposed to use test method AS1289.5.8.1 to determine the field density, a sand replacement method shall be used to confirm the results.

CCEN3 The suitable qualified Geotechnical Engineer, shall have a level 1 responsibility for all filling as defined in Appendix B AS3798 'Guidelines on Earthworks for Commercial and Residential Developments', and at the end of the works shall confirm the earthworks comply with the requirements of the specification and drawings by written notification.

CCEN4 In areas to be filled where the slope of the natural surface exceeds 1(V):4(H), benches are to be cut to prevent slipping of the placed fill material as required by the Council.

CCEN5 All batters are to be scarified to a depth of 50 mm to assist with adhesion of top soil to batter face.

CCEN6 Provide minimum 150 mm and maximum 300 mm topsoil on footpaths, filled areas and all other areas disturbed during construction. Topsoiled areas to be stabilised with approved vegetation a maximum of 14 days after topsoiling and are to be watered to ensure germination.

CCEN7 The Contractor shall control sedimentation, erosion and pollution during construction in accordance with the requirements of the current edition of 'Managing Urban Stormwater: Soils and Construction' produced by Landcom.

CCEN8 A minimum 1 metre wide, continuous strip of couch grass shall be placed behind the back of all kerbs and other concrete structures immediately after the completion of the footpath grading or other elements as applicable, and shall be maintained and replaced as required during the construction maintenance period.

Camden Council Stormwater Notes

CCSN1 All pipes to be spigot and socket, rubber ring jointed.

CCSN2 All longitudinal pipelines in roads must be located under kerb and gutter and be backfilled with approved granular material unless otherwise approved by the Council Engineer.

CCSN3 Drainage lines must be backfilled with approved granular material in trafficable areas. Three (3) metres of subsoil drainage wrapped in geotextile stocking must be provided to all downstream pits.

CCSN4 All gully pits to Council's standard and lintels centrally placed at sag pits.

CCSN5 All pits must be benched and streamlined. Provide SL72 reinforcement and galvanised step irons in all pits over 1.2-metres deep as measured from the top of grate to the invert of the pit.

CCSN6 Concrete is to have minimum compressive strength of 32MPa at 28-days unless otherwise approved by the Council Engineer.

CCSN7 All interallotment drainage must have a minimum pipe diameter of 150 mm and a minimum grade of 1% unless otherwise approved by the Council Engineer.

CCSN8 All interallotment drainage lines must be laid centrally within drainage easements. Inspection pits must be provided at all changes of grade and direction.

CCSN9 Interallotment drainage lines must be installed after Sydney Water sewerage lines have been installed where sewer is proposed adjacent to interallotment drainage lines.

CCSN10 1% AEP overland flow paths must be formed and shown on 'works as executed' drawings.

CCSN11 All plans (both design and WAE) are to clearly delineate the extent/location of flood lines including the 5% AEP, 1% AEP and PMF.

CCSN12 Adequate provision is to be made to prevent scouring and sedimentation for all drainage works in accordance with Council's requirements.

CCSN13 Pit Lintels are to be stencilled with applicable distinction stencil available from Council.

CCSN14 Catch drains must be constructed as required by the approved plans or the Principal Certifying Authority.

CCSN15 Soil and Water Management Plans are to be prepared for all disturbed sites and adhered to at all times during the construction and maintenance periods.

General Notes

GN1 All workmanship and materials shall comply with the National Construction Code of Australia and the relevant current Australian Standards.

GN2 Any discrepancies, omissions or errors shall be reported to the Superintendent for clarification before proceeding with the work.

GN3 Do NOT scale measurements from the drawings.

GN4 Where notes conflict preference shall be given to Camden Council notes

Siteworks Notes

SN1 Datum : Australian Height Datum (AHD)
Origin of levels : PM 168901, RL97.81
Origin of co-ordinates : Mapping Grid Of Australia (MGA)
Survey prepared by : Burton & Field
343 Hume Highway, Liverpool 2170
Tel: (02) 9602-1199 Fax (02) 9821-2620

SN2 The contractor must verify all dimensions and existing levels on site prior to commencement of work, and report any discrepancies to the superintendent.

SN3 All existing services (including any not shown on the plans) must be accurately located in position and level prior to any excavation. Any discrepancies shall be reported to the superintendent. minimum service clearances shall be maintained from the relevant service authority.

SN4 The contractor shall arrange for all setting out by a registered surveyor.

SN5 The contractor shall obtain all regulatory authority approvals at their own expense.

SN6 Where new works abut existing, the contractor must ensure that a smooth and even profile, free from abrupt changes is obtained.

SN7 All disturbed areas shall be restored to their original condition, unless specified otherwise.

SN8 Excavated trenches shall be compacted to the same density as the adjacent natural material. Any subsidence's during the period to be rectified as directed by the superintendent.

SN9 Any existing trees which form part of the final landscaping plan will be protected from construction activities in accordance with the landscape architect's details and / or by -

Protecting them with barrier fencing or similar materials installed outside the drip line, ensuring that nothing is nailed to them, prohibiting paving, grading, sediment wash or placing of stockpiles within the drip line except under the following conditions -
Encroachment only occurs on one side and no closer to the trunk than either 1.5m or half the distance between the outer edge of the drip line and the trunk, which ever is the greater, a drainage system that allows air and water to circulate through the root zone (eg a gravel bed) is placed under all fill layers of more than 300mm care is taken not to cut roots unnecessarily nor to compact the soil around them.

SN10 Receptors for concrete and mortar slurries, paints, acid washings, light-weight waste materials and litter are to be emptied as necessary. Disposal of waste shall be in a manner approved by the superintendent or as specified in the works contract.

Existing Services Notes

ES1 Existing services have been plotted from supplied data 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.

ES2 The contractor shall allow for the capping off, excavation and removal if required of all redundant existing services in areas affected by works within the contract area, as shown on the drawings unless directed otherwise by the superintendent.

ES3 The contractor shall ensure that at all times services to all buildings not affected by the works are not disrupted.

ES4 If required, the contractor shall construct temporary services to maintain existing supply to buildings 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 and the relevant service authority.

ES5 Interruption to supply of existing services shall be done so as not to cause any inconvenience to the principal. The contractor is to gain approval from the superintendent for time of interruption - the contractor is responsible for all liaison.

ES6 All branch gas and water services under driveways and brick paving shall be located in Ø80mm uPVC sewer grade conduits extending a minimum of 500mm beyond the edge of paving.

ES7 Clearance and cover requirements shall be obtained from the relevant service authority before commencement of works and shall be adhered to at all times.

ES8 Care is to be taken when excavating near existing services. No mechanical excavations are to be undertaken over telecom or electrical services. Hand excavate in these areas only .

Earthworks Notes

EW1 All work shall comply with AS3798 (2007) - Guidelines on earthworks for commercial and residential developments.

EW2 All work shall comply with the project geotechnical report

EW3 Strip topsoil to expose naturally occurring engineering material and stockpile on site for reuse as directed by the superintendent.

EW4 All soft, wet or unsuitable material to be removed as directed by the superintendent and replaced with approved fill material.

EW5 All fill material shall be from a source approved by the superintendent and shall comply with the following -
a) free from organic and perishable matter,
b) maximum particle size 75mm,
c) plasticity index - between 2% and 15%.

EW6 All fill material shall be placed in maximum 200mm thick layers and compacted at optimum moisture content (+ or - 2%) to achieve a dry density determined in accordance with AS1289.5.1.1 - 2003 - methods of testing soils for engineering purposes of not less than the following standard minimum dry density -

location	standard dry density
under building slabs	98%
vehicular paved areas	100%
non-vehicular paved areas	98%
landscaped areas	95%

EW7 The contractor shall program the earthworks operation so that the working areas are adequately drained during the period of construction. The surface shall be graded and sealed off to remove depressions, roller marks and similar which would allow water to pond and penetrate the underlying material. any damage resulting from the contractor not observing these requirements shall be rectified by the contractor at their own expense.

EW8 Testing of the fill material shall be carried out by an approved NATA registered laboratory at the contractors expense.

EW9 Where the subgrade is unable to support construction equipment, or it is not possible to compact overlying pavement layers, only because of the subgrade moisture content, then the contractor shall condition or replace the material at the contractors discretion and expense.

EW10 Earthworks calculations are volumetric only and do not allow for bulking of excavated material. It is the contractors responsibility to make allowances for these items as part of the tender / works.

EW11 No allowance has been made for footings or foundations, retaining walls or trenching. It is the contractors responsibility to make allowances for these items as part of the tender / works.

Stormwater Notes

SW1 For commercial or industrial sites -

All Ø300mm to Ø600mm drainage pipes shall be class 4 approved spigot and socket reinforced concrete pipes with rubber ring joints (UNO). All Ø675mm or larger drainage pipes shall be class 3 approved spigot and socket reinforced concrete pipes with rubber ring joints (UNO).

All drainage pipes less than or equal to Ø225mm shall be uPVC DWV grade class SN8 in accordance with AS/NZS 1260 : 2009 - PVC-u pipes and fittings for drain, waste and vent application with solvent welded joints.

SW2 Equivalent strength fibrous reinforced concrete (F.R.C.) may be used subject to approval by the superintendent.

SW3 All pipe junctions up to and including Ø450mm and tapers, shall be via purpose made fittings (UNO).

SW4 Minimum grade to stormwater lines to be 1% (UNO).

SW5 Contractor to supply and install all fittings and specials including various pipe adaptors to ensure proper connection between dissimilar pipework.

SW6 All connections to existing drainage pits shall be made in a tradesman-like manner and the internal wall of the pit at the point of entry shall be cement rendered to ensure a smooth finish with no protrusions.

SW7 All in-situ concrete pits to be 32Mpa minimum at 28 days.

SW8 Pits and pipes in areas of salinity hazard shall have increased cover to any reinforcement.

SW9 Pits deeper than 1000mm shall have step irons installed in accordance with the local or statutory authority requirements.

SW10 Bedding shall be type H2 (UNO) for pipes not under pavements, and type HS2 for pipes under pavements in accordance with AS/NZS 3725 : 2007 - design for installation of buried concrete pipes.

SW11 Backfill trench with sand or approved granular backfill to 300mm (min) above the pipe. Where the pipe is under pavements backfill remainder of trench to pavement subgrade with sand or approved gravel sub-base compacted in 150mm layers to 98% standard maximum dry density. The contractor is to ensure compaction equipment is appropriate for the pipe class used.

SW12 Where stormwater lines pass under floor slabs DWV grade uPVC rubber ring joints are to be used (UNO).

SW13 Where subsoil drainage lines pass under floor slabs and vehicular pavements, unslotted uPVC DWV grade class SN8 pipe shall be used.

SW14 Provide 3m length of Ø100mm subsoil drainage line or 200 'Nylex' strip drain surrounded with 150mm of 20mm blue metal or gravel, and wrapped in 'Bidum' A24 geotextile filter fabric or approved equivalent, at invert of incoming upstream pipe on each pit.

Asphaltic Concrete Notes

General

AC1 Asphaltic concrete mix design, manufacture, placing and compaction shall be in accordance with RMS Specification R116-Asphalt (dense graded and open graded) and AS2150-2005 - Hot Mix Asphalt - A Guide To Good Practice. Annexure R116/1 to be completed by subcontractor and submitted for approval by superintendent 7 days prior to AC works.

AC2 Mineral filler to comply with AS2150 - 2005 - Hot Mix Asphalt - A Guide to Good Practice.

Mix proportions

AC3 Job mix - 7mm nominal size aggregate. Minimum bitumen content (%) by (mass of total mass) - 5.1%.

AC4 Mix stability - between 16kN and 36kN as determined by RMS test method T601 - Compaction of test specimens of dense grade bituminous mixtures and T603 - Stability of dense grade bituminous mixtures.

AC5 Air voids in compacted mix - between 4% of volume and 7% of the mix. Voids filled in binder. 65-80% of air voids in the total mineral aggregate filled by binder in accordance with RMS test method T601 - Compaction of test specimens of dense grade bituminous mixtures, T605 - Maximum density of bituminous plant mix and T606 - Bulk density of compacted dense graded bituminous mixtures.

Pavement preparation

AC6 The existing surface to be sealed, shall be dry and broomed before commencement of work to ensure complete removal of all superficial foreign and loose matter.

AC7 All depressions or uneven areas are to be tack-coated and brought up to general level of pavement with asphaltic concrete before laying of main course.

Tack coat

AC8 The whole of the area to be sheeted with asphaltic concrete shall be lightly and evenly coated with rapid setting bitumen. Application rate for residual bitumen shall be 0.15 to 0.30 litres/square metre. Application shall be by means of a mechanical sprayer with spray bar.

Spreading

AC9 All asphaltic concrete shall be spread with a self propelled paving machine.

AC10 The asphaltic concrete shall be laid at a mix temperature as shown below -

road surface temp in shade (°c)	mix temperatures (°c)
5 - 10	not permitted
10 - 15	150
15 - 25	145
25+	140

AC11 Asphaltic concrete shall not be laid when the road surface is wet or when cold winds chill the mix to adversely affect temperature of mix during spreading and compaction operations.

AC12 The minimum compacted thickness is 50mm in two (2) layers.

Joints

AC13 The number of joints both longitudinal and transverse shall be kept to a minimum.

AC14 The density and surface finish at joints shall be similar to those of the remainder of the layer.

Compaction

AC15 All compaction shall be undertaken using self propelled rollers.

AC16 Initial rolling shall be completed before the mix temperature falls below 105°c.

AC17 Secondary rolling shall be completed before the mix temperature falls below 60°c.

AC18 Minimum characteristic value of relative compaction of a lot when tested in accordance with AS2150 - 2005 - Hot mix asphalt - a guide to good practice shall be 95%.

Finished pavement properties

AC19 Finished surfaces shall be smooth, dense and true to shape and shall not vary more than 10mm from the specified plan level at any point and shall not deviate from the bottom of a 3m straight edge laid in any direction by more than 5mm.

Preliminary - Not for Construction

Rev	Date	Drawn	Description	Ch'k'd	App'd
P4	13.05.16	AMP	Issued for Approval - Minor Amendments	SR	CJA
P3	11.05.16	AMP	Issued for Approval - Minor Amendments	SR	CJA
P2	06.05.16	AMP	Issued for Approval	SR	CJA
P1	22.04.16	AMP	Issued Client Review	SR	X

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Client: Gregory Hills Development Company Pty Ltd

Title: Gregory Hills Corporate Park
Camden Medical Campus
Civil Works
Notes Sheet

Designed	C Keenan	06.05.16	Eng check	S Reilly	06.05.16
Drawn	A Paciben	06.05.16	Coordination	S Reilly	06.05.16
Dwg check	G Collins	06.05.16	Approved	C. Avis	06.05.16
Scale at A1	Status PRE		Rev P4	Sec STD	

Drawing Number
MMD-368851-C-DR-CA-DA-0103

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Survey Legend

- 046°.0' 198.12 — Existing boundary, bearing and distance
- PINE — Existing road name
- SHED — Existing building
- 12.56 / 12.45 — Existing kerb and spot levels
- BLOCK WALL — Existing block wall
- MESH / FENCE — Existing fence
- x 13.28 — Existing spot level
- Existing earth batter
- ø 12.68 TREE 0.3D 8H 4S — Existing tree, level, trunk diameter, height and spread
- ee — Existing electricity (underground)
- ee — Existing electricity (overhead)
- eg — Existing gas
- es — Existing sewer
- 250mm DIA. PIPE esw INV.12.4 — Existing stormwater drainage
- esd — Existing Subsoil
- ew — Existing water
- et — Existing telecommunications (underground)
- Existing electricity pit, pole, pole with light and light pole
- Existing gas valve
- Existing sewer pit and maintenance hole
- Existing stormwater grate, maintenance hole and pit
- Existing water hydrant, stop valve and valve
- Existing telecommunications pit and pillar
- Existing maintenance hole (unspecified)
- Existing pole (unspecified)
- Existing pit (unspecified)
- Existing traffic signal

Civil Grading Legend

- Construct surface to level..
- ● Ex10.00 — Existing level
- ● G10.00 — Grate level
- ● IL10.00 — Invert level
- ● P10.00 — Proposed level
- XX % Fall — Construct finished surface to grade
- Batter 1 : 1 — Construct batter slope

Flood Extents Legend

- 100 Year flood extents
- PMF flood extents

Stormwater Drainage Legend

- A1 — Stormwater drainage structure / pit number Refer to pit schedule
- Surface inlet pit
- Junction pit
- SW — Stormwater drainage line
  - USIl20.00 — Upstream invert level
  - Ø300 'Z' — Pipe size / class
  - 1.0 % — Grade
  - 10.0m — Length
  - Q= 1.0 L/s — Flow
  - DSIl10.00 — Downstream invert level
- SW — Stormwater drainage line with headwall
- SW — Concrete encased drainage line
- Grated drain
- DP SW — Downpipe connection
- SRM — Stormwater Rising Main
- Catch drain
- Construct Onsite Detention Tank

Pavement Legend

- Proposed Road Pavement
- Proposed Footpath Pavement
- Proposed Landscaping
- Proposed Roof Area

Preliminary - Not for Construction

Rev	Date	Drawn	Description	Ch'k'd	App'd
P4	13.05.16	AMP	Issued for Approval - Minor Amendments	SR	CJA
P3	11.05.16	AMP	Issued for Approval - Minor Amendments	SR	CJA
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P1	22.04.16	AMP	Issued Client Review	SR	X

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Client: Gregory Hills Development Company Pty Ltd

Title: Gregory Hills Corporate Park
Camden Medical Campus
Civil Works
Legends Sheet

Designed	C Keenan	06.05.16	Eng check	S Reilly	06.05.16
Drawn	A Paciben	06.05.16	Coordination	S Reilly	06.05.16
Dwg check	G Collins	06.05.16	Approved	C. Avis	06.05.16
Scale at A1		Status PRE	Rev P4	Sec STD	

Drawing Number: MMD-368851-C-DR-CA-DA-0104

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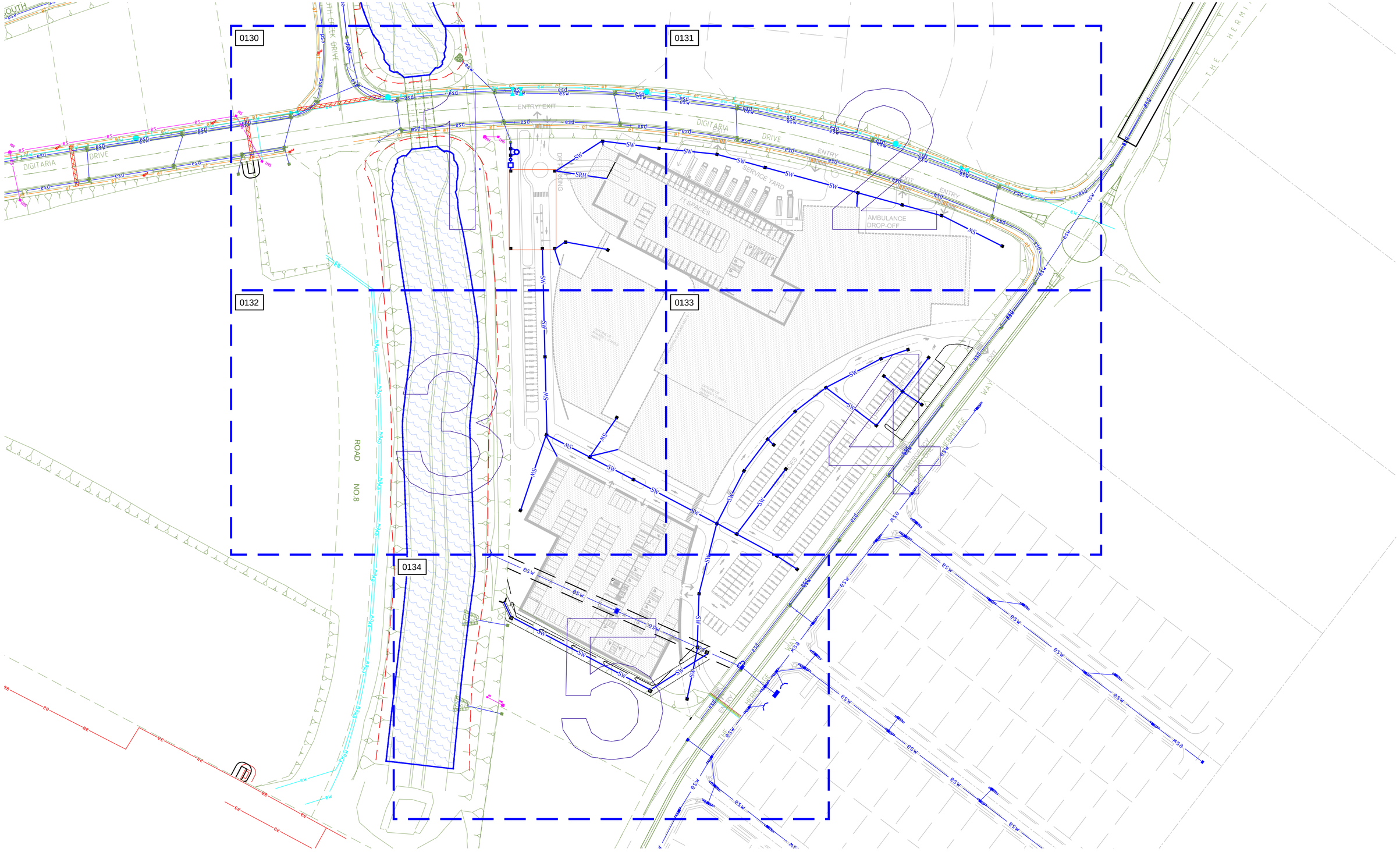

Preliminary - Not for Construction

Rev	Date	Drawn	Description	Ch'k'd	App'd
P4	13.05.16	AMP	Issued for Approval - Minor Amendments	SR	CJA
P3	11.05.16	AMP	Issued for Approval - Minor Amendments	SR	CJA
P2	06.05.16	AMP	Issued for Approval	SR	CJA
P1	22.04.16	AMP	Issued Client Review	SR	X

1:800 0 40m 80m

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Client
Gregory Hills Development Company Pty Ltd

Title
Gregory Hills Corporate Park
Camden Medical Campus
Civil Works
General Arrangement

Designed	C Keenan	06.05.16	Eng check	S Reilly	06.05.16
Drawn	A Paciben	06.05.16	Coordination	S Reilly	06.05.16
Dwg check	G Collins	06.05.16	Approved	C. Avis	06.05.16
Scale at A1 1:800	Status PRE		Rev P4	Sec STD	

Drawing Number
MMD-368851-C-DR-CA-DA-0105

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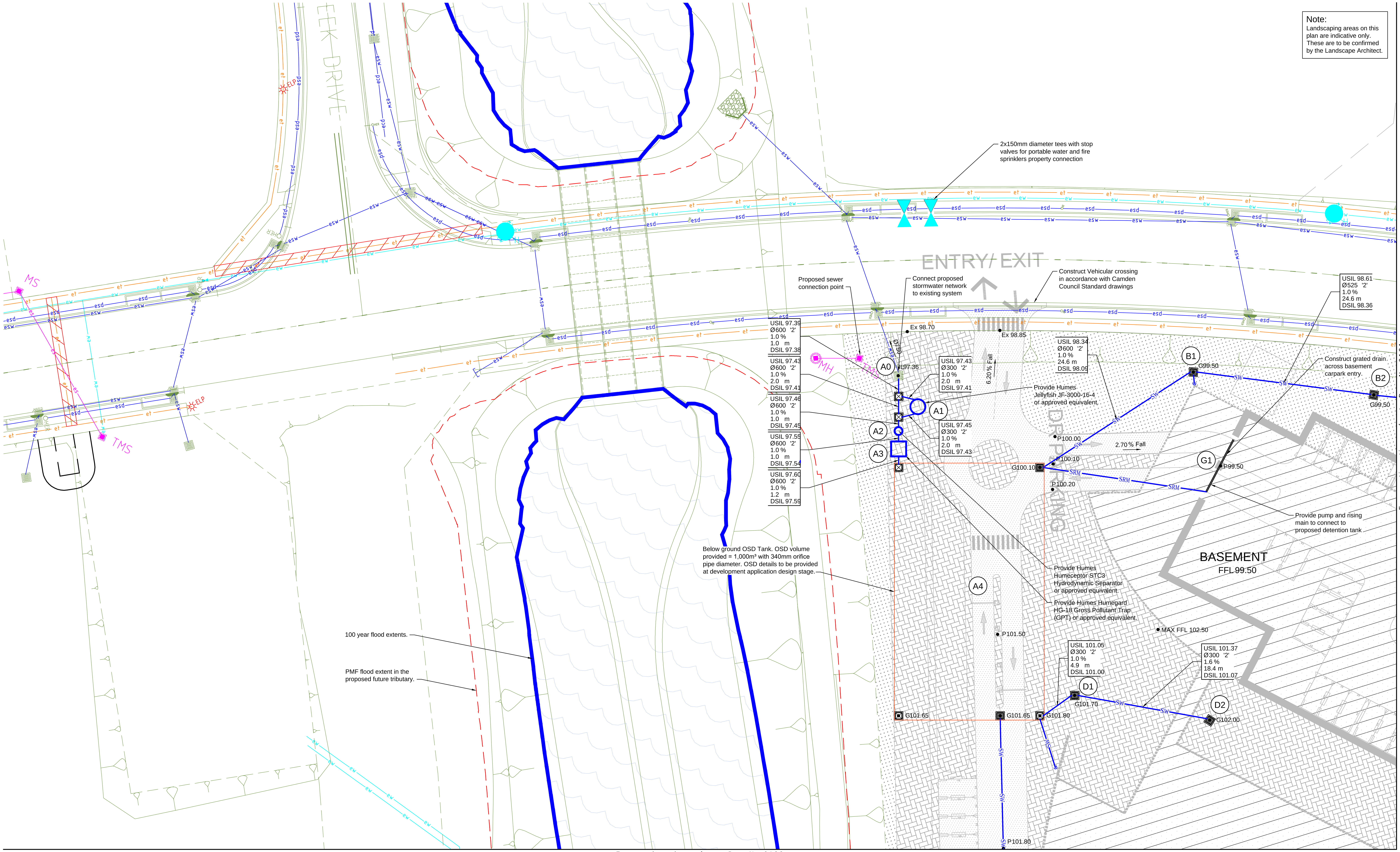

Note:
Landscaping areas on this plan are indicative only. These are to be confirmed by the Landscape Architect.
2x150mm diameter tees with stop valves for portable water and fire sprinklers property connection
ENTRY/ EXIT
Proposed sewer connection point
Connect proposed stormwater network to existing system
Construct Vehicular crossing in accordance with Camden Council Standard drawings
USIL 98.61
Ø525 '2'
1.0 %
24.6 m
DSIL 98.36
USIL 97.39
Ø600 '2'
1.0 %
1.0 m
DSIL 97.38
USIL 97.43
Ø600 '2'
1.0 %
2.0 m
DSIL 97.41
USIL 97.46
Ø600 '2'
1.0 %
1.0 m
DSIL 97.45
USIL 97.55
Ø600 '2'
1.0 %
1.0 m
DSIL 97.54
USIL 97.60
Ø600 '2'
1.0 %
1.2 m
DSIL 97.59
USIL 97.43
Ø300 '2'
1.0 %
2.0 m
DSIL 97.41
USIL 97.45
Ø300 '2'
1.0 %
2.0 m
DSIL 97.43
USIL 98.34
Ø600 '2'
1.0 %
24.6 m
DSIL 98.09
Ex 98.70
Ex 98.85
6.20 % Fall
A0
A1
A2
A3
A4
B1
B2
G1
D1
D2
G99.50
G99.50
P99.50
Construct grated drain across basement carpark entry.
Provide Humes Jellyfish JF-3000-16-4 or approved equivalent.
P100.00
P100.10
G100.10
P100.20
2.70 % Fall
DRIVING
Provide pump and rising main to connect to proposed detention tank
BASEMENT
FFL 99.50
Below ground OSD Tank. OSD volume provided = 1,000m³ with 340mm orifice pipe diameter. OSD details to be provided at development application design stage.
Provide Humes Humeceptor STC3 Hydrodynamic Separator or approved equivalent.
Provide Humes Humegard HG-18 Gross Pollutant Trap (GPT) or approved equivalent.
MAX FFL 102.50
P101.50
USIL 101.05
Ø300 '2'
1.0 %
4.9 m
DSIL 101.00
USIL 101.37
Ø300 '2'
1.6 %
18.4 m
DSIL 101.07
G101.70
G101.65
G101.65
G101.80
G102.00
P101.80
100 year flood extents.
PMF flood extent in the proposed future tributary.
EEK DRIVE
MS
TMS
MH
ELP
For continuation refer to Dwg No 0131

For continuation refer to Dwg No 0132

Preliminary - Not for Construction

Rev	Date	Drawn	Description	Ch'k'd	App'd
P4	13.05.16	AMP	Issued for Approval - Minor Amendments	SR	CJA
P3	11.05.16	AMP	Issued for Approval - Minor Amendments	SR	CJA
P2	06.05.16	AMP	Issued for Approval	SR	CJA
P1	22.04.16	AMP	Issued Client Review	SR	X

1:250 0 12.5m 25m

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Client
Gregory Hills Development Company Pty Ltd

Title
Gregory Hills Corporate Park
Camden Medical Campus
Civil Works
Siteworks and Stormwater
Drainage Plan Sheet 1

Designed	C Keenan	06.05.16	Eng check	S Reilly	06.05.16
Drawn	A Paciben	06.05.16	Coordination	S Reilly	06.05.16
Dwg check	G Collins	06.05.16	Approved	C. Avis	06.05.16

Scale at A1	Status	Rev	Sec
1:250	PRE	P4	STD

Drawing Number
MMD-368851-C-DR-CA-DA-0130

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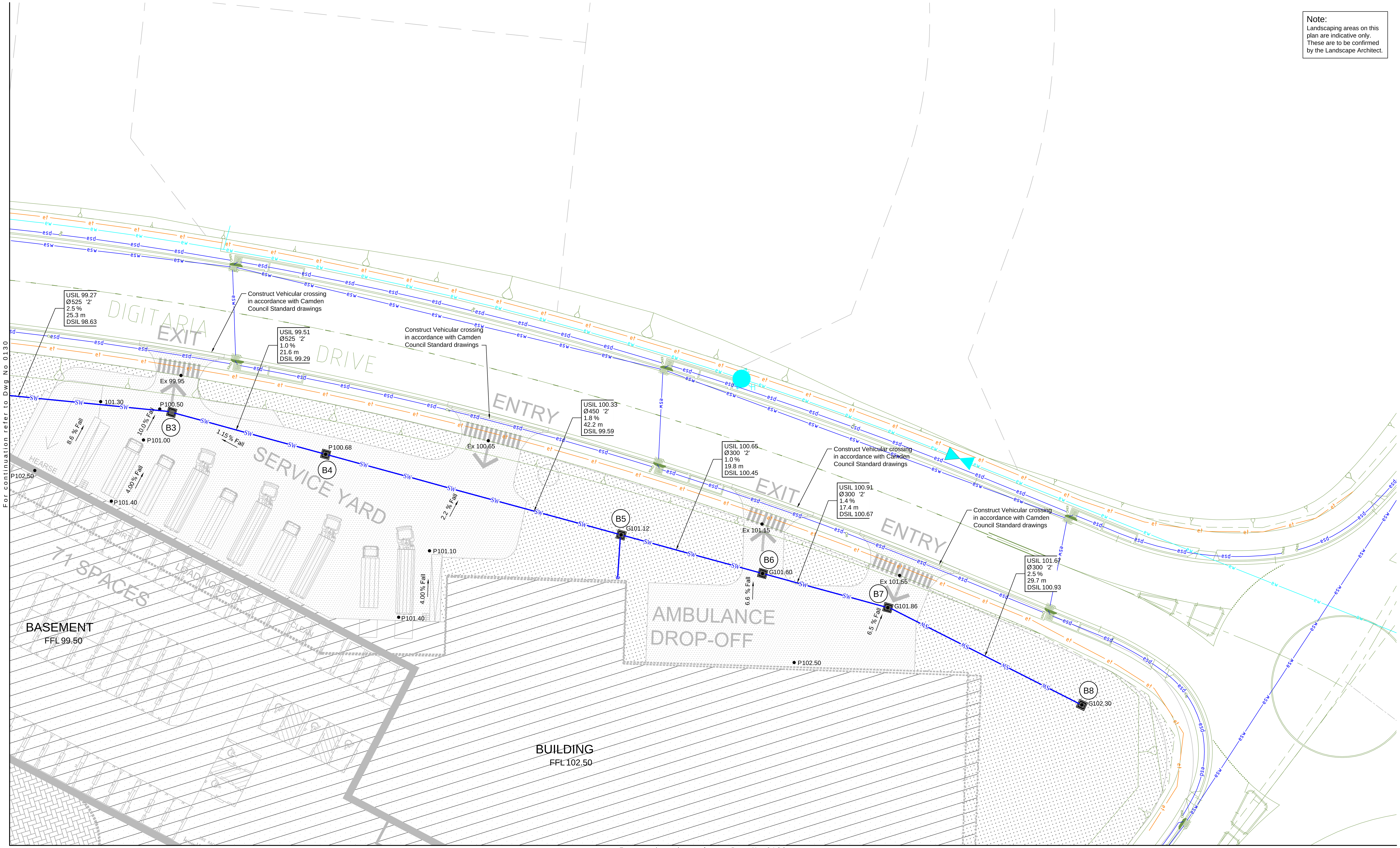

For continuation refer to Dwg No 0133

Preliminary - Not for Construction

Rev	Date	Drawn	Description	Ch'k'd	App'd
P4	13.05.16	AMP	Issued for Approval - Minor Amendments	SR	CJA
P3	11.05.16	AMP	Issued for Approval - Minor Amendments	SR	CJA
P2	06.05.16	AMP	Issued for Approval	SR	CJA
P1	22.04.16	AMP	Issued Client Review	SR	X

1:250 0 12.5m 25m

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Client
Gregory Hills Development Company Pty Ltd

Title
Gregory Hills Corporate Park
Camden Medical Campus
Civil Works
Siteworks and Stormwater
Drainage Plan Sheet 2

Designed	C Keenan	06.05.16	Eng check	S Reilly	06.05.16
Drawn	A Paciben	06.05.16	Coordination	S Reilly	06.05.16
Dwg check	G Collins	06.05.16	Approved	C. Avis	06.05.16
Scale at A1: 1:250	Status: PRE	Rev: P4	Sec: STD		

Drawing Number
MMD-368851-C-DR-CA-DA-0131

This plan may be prepared using COLOUR and may be incomplete if copied to black and white.

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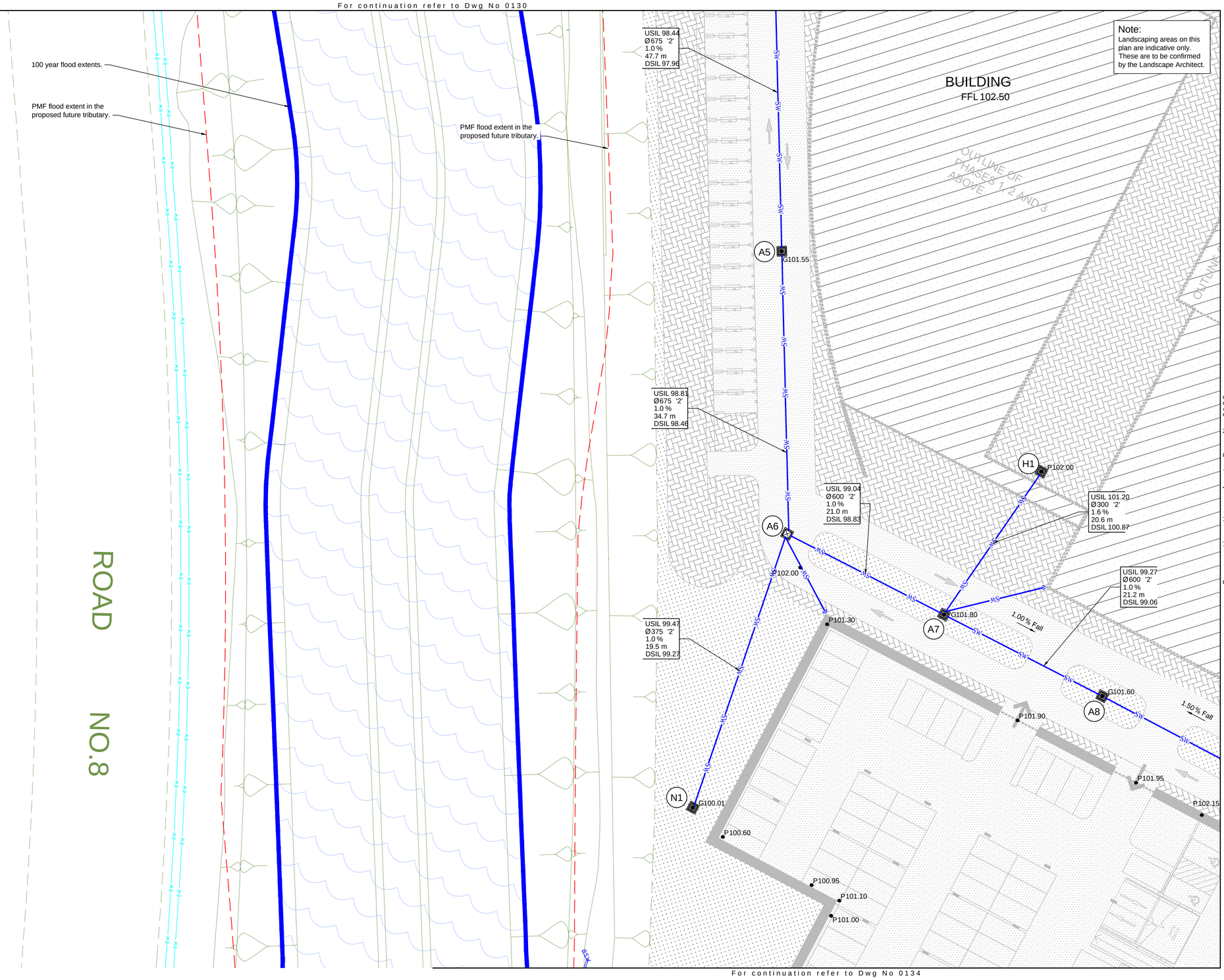
For continuation refer to Dwg No 0130



For continuation refer to Dwg No 0134

For continuation refer to Dwg No 0133

Preliminary - Not for Construction

Rev	Date	Drawn	Description	Ch'k'd	App'd
P4	13.05.16	AMP	Issued for Approval - Minor Amendments	SR	CJA
P3	11.05.16	AMP	Issued for Approval - Minor Amendments	SR	CJA
P2	06.05.16	AMP	Issued for Approval	SR	CJA
P1	22.04.16	AMP	Issued Client Review	SR	X

1:250 0 12.5m 25m

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Client
Gregory Hills Development Company Pty Ltd

Title
Gregory Hills Corporate Park
Camden Medical Campus
Civil Works
Siteworks and Stormwater
Drainage Plan Sheet 3

Designed	C Keenan	06.05.16	Eng check	S Reilly	06.05.16
Drawn	A Paciben	06.05.16	Coordination	S Reilly	06.05.16
Dwg check	G Collins	06.05.16	Approved	C. Avis	06.05.16
Scale at A1	1:250	Status	PRE	Rev P4	Sec STD

Drawing Number
MMD-368851-C-DR-CA-DA-0132

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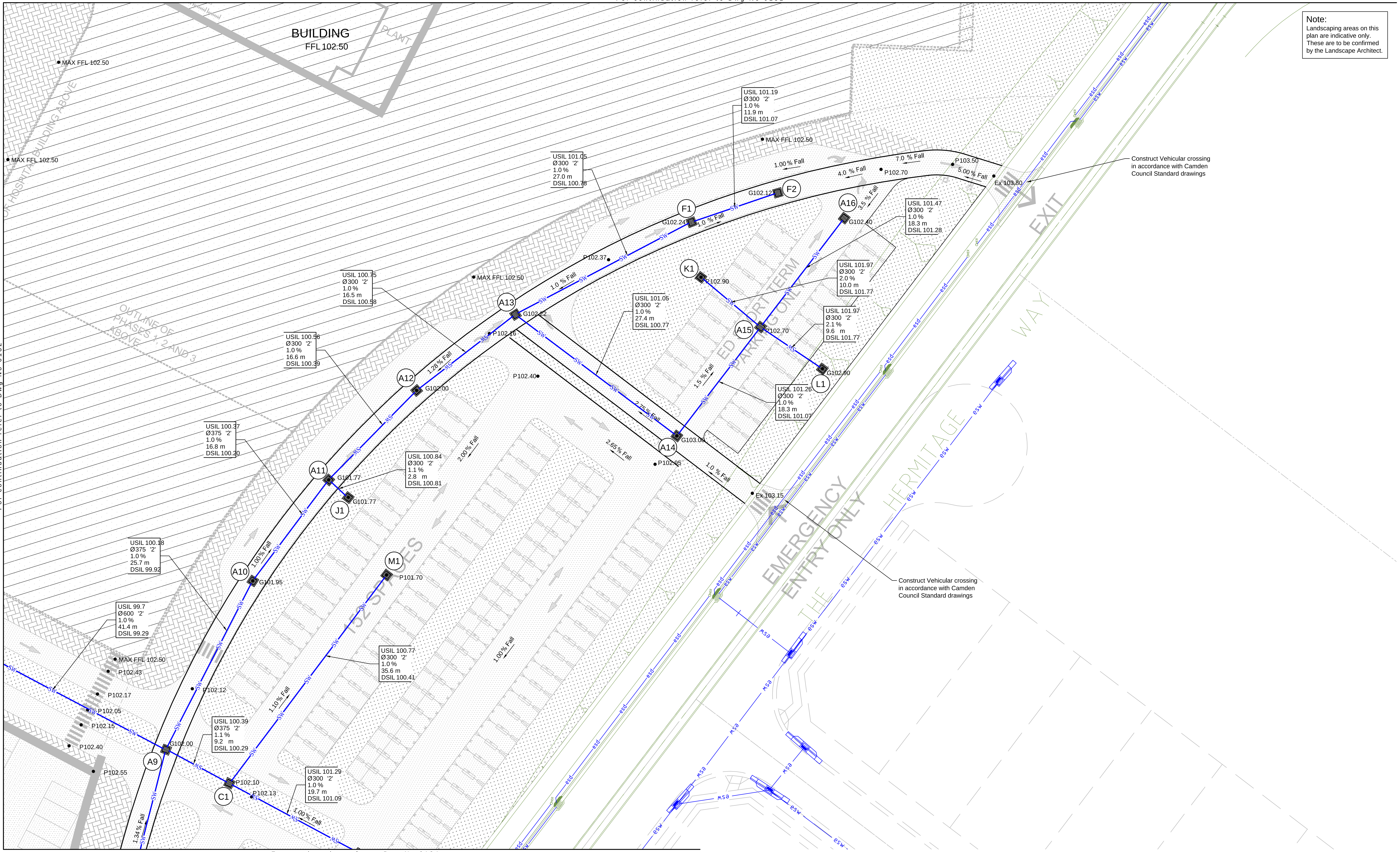
For continuation refer to Dwg No 0131



BUILDING
FFL 102.50
PLANT
MAX FFL 102.50
OUTLINE OF PHASES 1, 2 AND 3 ABOVE
Note:
Landscaping areas on this plan are indicative only. These are to be confirmed by the Landscape Architect.
USIL 101.19
Ø300 '2'
1.0 %
11.9 m
DSIL 101.07
USIL 101.05
Ø300 '2'
1.0 %
27.0 m
DSIL 100.78
USIL 100.75
Ø300 '2'
1.0 %
16.5 m
DSIL 100.58
USIL 100.56
Ø300 '2'
1.0 %
16.6 m
DSIL 100.39
USIL 100.37
Ø375 '2'
1.0 %
16.8 m
DSIL 100.30
USIL 100.84
Ø300 '2'
1.1 %
2.8 m
DSIL 100.81
USIL 100.18
Ø375 '2'
1.0 %
25.7 m
DSIL 99.92
USIL 99.7
Ø600 '2'
1.0 %
41.4 m
DSIL 99.29
USIL 100.77
Ø300 '2'
1.0 %
35.6 m
DSIL 100.41
USIL 100.39
Ø375 '2'
1.1 %
9.2 m
DSIL 100.29
USIL 101.29
Ø300 '2'
1.0 %
19.7 m
DSIL 101.09
USIL 101.05
Ø300 '2'
1.0 %
27.4 m
DSIL 100.77
USIL 101.47
Ø300 '2'
1.0 %
18.3 m
DSIL 101.28
USIL 101.97
Ø300 '2'
2.0 %
10.0 m
DSIL 101.77
USIL 101.97
Ø300 '2'
2.1 %
9.6 m
DSIL 101.77
USIL 101.26
Ø300 '2'
1.0 %
18.3 m
DSIL 101.07
Construct Vehicular crossing in accordance with Camden Council Standard drawings
EXIT
EMERGENCY ENTRY ONLY
THE HERMITAGE WAY
152 SPACES
RESERVED SHORT TERM PARKING ONLY

For continuation refer to Dwg No 0132

For continuation refer to Dwg No 0134

Preliminary - Not for Construction

Rev	Date	Drawn	Description	Ch'k'd	App'd
P4	13.05.16	AMP	Issued for Approval - Minor Amendments	SR	CJA
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1:250 0 12.5m 25m

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Client
Gregory Hills Development Company Pty Ltd

Title
Gregory Hills Corporate Park
Camden Medical Campus
Civil Works
Siteworks and Stormwater
Drainage Plan Sheet 4

Designed	C Keenan	06.05.16	Eng check	S Reilly	06.05.16
Drawn	A Paciben	06.05.16	Coordination	S Reilly	06.05.16
Dwg check	G Collins	06.05.16	Approved	C. Avis	06.05.16

Scale at A1	Status	Rev	Sec
1:250	PRE	P4	STD

Drawing Number
MMD-368851-C-DR-CA-DA-0133

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For continuation refer to Dwg No 0132

For continuation refer to Dwg No 0133

Note:
Landscaping areas on this plan are indicative only. These are to be confirmed by the Landscape Architect.

N1

N2

N3

N4

E1

E2

E3

C2

C3

USIL 97.50
Ø1200 '2'
0.5 %
7.0 m
DSIL 97.73

USIL 97.89
Ø1200 '2'
0.5 %
68.4 m
DSIL 97.55

USIL 98.08
Ø1200 '2'
0.5 %
29.0 m
DSIL 97.94

USIL 100.04
Ø300 '2'
1.0 %
31.7 m
DSIL 99.72

USIL 100.29
Ø300 '2'
1.0 %
23.1 m
DSIL 100.06

USIL 100.54
Ø300 '2'
1.0 %
26.0 m
DSIL 100.31

USIL 101.41
Ø300 '2'
1.0 %
9.9 m
DSIL 101.31

P100.75
P100.55
P100.40
P99.60
Ex 100.40
Ex 100.65
P101.70
Ex 101.15
P102.38
P101.65
P100.85
Ex 101.65
Ex 101.65
P102.16
P102.10
P102.03
P102.60
P102.70
G102.44
P102.64
G101.25
IL98.08
P101.42
Ex 101.00
G101.17
G102.30
P102.34

Remove existing stormwater pipe and pit and extinguish easement.

Provide emergency overland flow swale.

100 year flood extents.

PMF flood extent in the proposed future tributary.

Redirect existing stormwater pipe. Provide new easement over the new stormwater pipe location.

Construct Vehicular crossing in accordance with Camden Council Standard drawings

1.00 % Fall

4.95 % Fall

3.3 % Fall

ENTRY

HERMITAGE WAY

Preliminary - Not for Construction

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Client: Gregory Hills Development Company Pty Ltd

Title: Gregory Hills Corporate Park
Camden Medical Campus
Civil Works
Siteworks and Stormwater Drainage Plan Sheet 5

Designed	C Keenan	06.05.16	Eng check	S Reilly	06.05.16
Drawn	A Paciben	06.05.16	Coordination	S Reilly	06.05.16
Dwg check	G Collins	06.05.16	Approved	C. Avis	06.05.16
Scale at A1: 1:250	Status: PRE		Rev: P4	Sec: STD	

Drawing Number: MMD-368851-C-DR-CA-DA-0134

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