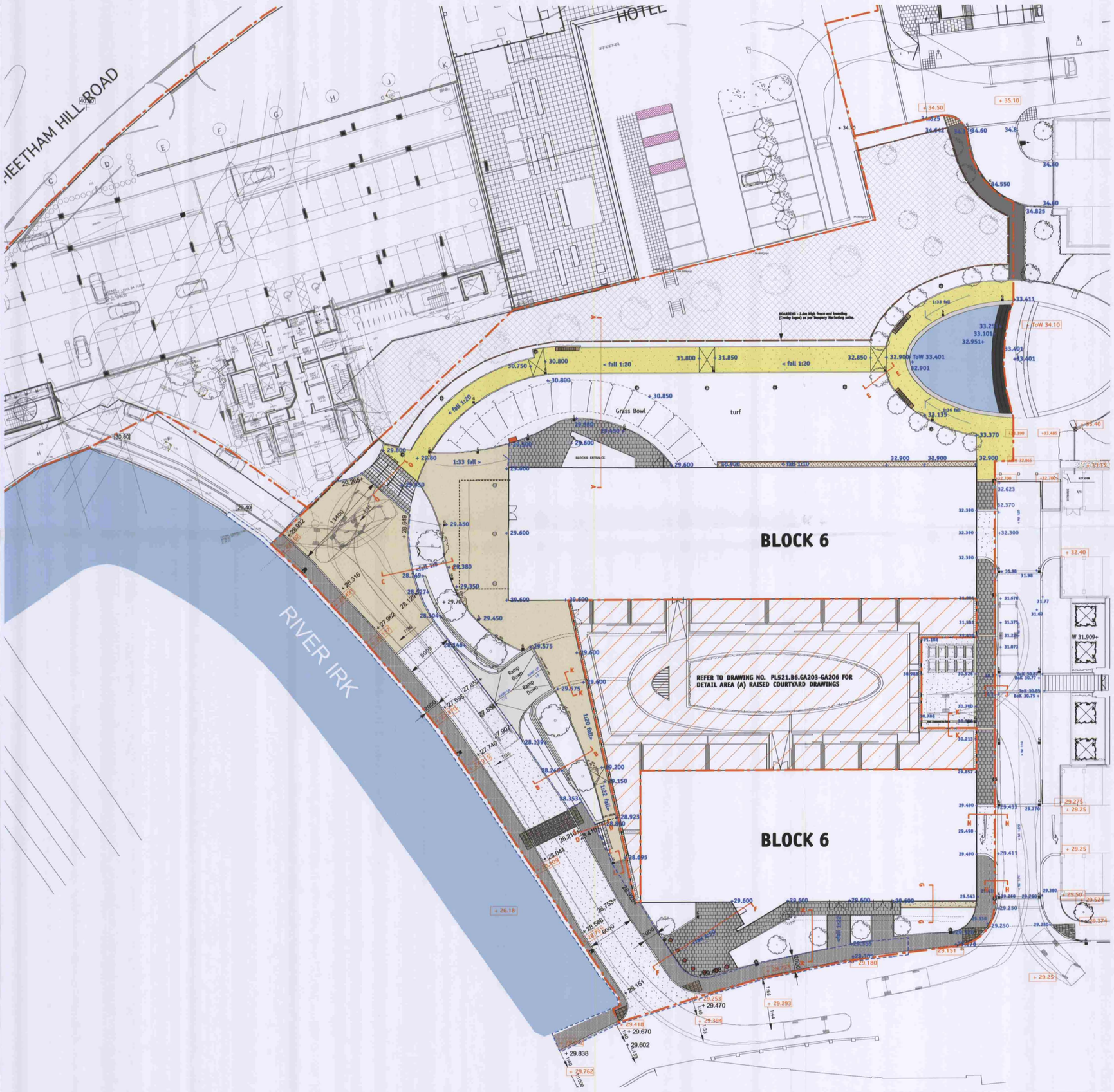

MATERIALS KEY

HARDWORKS:

STEPS
PcC Conservation kerbs laid as steps. Colour silver grey: Q10/111J. Handrails (as required) to be stainless steel: Q41/115J

RETAINING WALL:
To engineers spec

KERBS & CHANNELS:
Pre-cast concrete kerbs and channels: Q10/112J

RESIN BOUND AGGREGATE SURFACING -pedestrian areas. Resin bound mixed stone aggregate of 1-3 mm: Q26/265J

TEGULA SETTS 160mm gauge x random length: Q25/605J

GRAVEL SURFACE:
Loose gravel surface for maintenance service access to buildings: Q23/170

PRECAST CONCRETE BLOCK PAVING: Silver grey paving. (Marshalls 'Conservation' exposed aggregrate) units: Q25/609J

TACTILE PAVING TO TOP AND BOTTOM OF STEPS: Q25/206J

BLISTER PAVING TO PEDESTRIAN CROSSING ON SCOTLAND RAOD: Q25/207J

PROPRIETARY TIMBER SEATS: Q50/225J

EDGING TO GRASS AND RESIN BOUND SURFACING
Pre-cast concrete Pin kerb: Q10/113J

TIMBER EDGE TO GRAVEL SERVICE STRIP: Q10/201J

TIMBER EDGING TO SHRUBS IN LAWNED AREAS Q10/202J

TARMAC ROAD: Q22/130J

CONCRETE RAMP: Brushed finish to engineers specification.

MASTERTINT SHARED SURFACE. Natural colour aggregate clear bound. By Tarmac Ltd: Q22/122J

WATER FEATURE. Granite clad raised pool. To compliment Central Vista water feature. Performance spec by Ustigate Ltd. 01474 363012/359811.
Refer to drawing no. PL521.B6.D302 for design intent: Q50/360J

FOOTPATHS
Blacktop tarmac: Q22/120J

LIGHTING FIXTURES:
By Iguzzini. See Lighting layout for spec. Drawing PL521.B6.GA202 lighting layout

FEATURE BOLLARDS
Reinforced cast concrete spherical bollards 500mm dia: Q50/190

DRAINAGE
Galvanised steel gulley Q10/175J and slot drain Q10/170J

REFER TO DRAWING NO. PL521.B6.GA203-GA206 FOR DETAIL AREA (A) RAISED COURTYARD DRAWINGS

EXTENT OF SECTION 278 HIGHWAY WORKS. REFER TO ENGINEERS DRAWINGS. CAPITA Mcs5468(1)250

HOARDING - 2.4m high fence and boarding (Crosby logos) as per Tempory Marketing suite.

DRY RISER - Free standing. Refer to engineers specification.

29.250 **PROPOSED S278 LEVELS. Refer to Highway Engineers proposals.**

+31.37 **PROPOSED LANDSCAPE LEVELS**

+29.293 **EXISTING LEVELS**

LOCATION OF CROSS SECTION DETAILS. Refer to detail drawings PL521.B6.D300 and D301

PLANNING AND BUILDING CONTROL
23 MAR 2012

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PLANITEDC

Dwg Title	BLOCK 6 HARDWORKS
Dwg No.	PL521.B6.GA200 rK
Status	PLANNING
Scale	1:250 @ A1 1:500 @ A3
Date	17/08/05
Drawn	KR/RM
Apprd.	EL

rev A: Chamfers paving units updated by Marshalls 'La Linea'. RM
rev B: Updated to masterplan rev8. RM
rev C: Removal of cedar and benches. RM
rev D: Redesign of raised courtyard
rev E: Updated to GA rev2. RM
rev F: Material changes, Tender issue. RM
rev G: Drawing reference added, Tender issue. RM
rev H: 20.07.06_Crossing point included, rock station doors moved, drainage included. RM
rev I: 15.10.07_Updated to current GA Base info. RM
rev J: 10.12.07_Updated to current GA Base info. RM
rev K: 12.03.12_Block 6B entrance revised RM

BAMBOO,SHRUB, GRASSES & HEDGE PLANTING SCHEDULE

Ref	No.	BAMBOOS, SHRUBS AND GRASSES	Pot size	No.per/m2
Cp	400	Carex pendula	7.5L CG	4/m2
Ia	458	Ilex aquifolium	5L	5/m2
Ic	1099	Ilex cernata	5L/ Root Balled	4/m2
Lm	190	Liriope muscari	2L	12/m2
Tb	34 lin m	Taxus baccata 0.5-0.75m high (clipped box, bushy form)	Instant hedge	as per nursery recomendations
Tb	26 lin m	Taxus baccata 1-1.25m high (clipped box, bushy form)	Instant hedge	as per nursery recomendations
Turf				
	1317m2	Rolawn 'Medallion'		

TREE PLANTING SCHEDULE

Ref.	No.	Species	Size	Habit
Cb	10	Carpinus betulus - Cylinder clipped head	30-35cm girth	1.2 - 1.5m Boxed Headed
PcC	5	Pyrus calleryana 'Chanticleer')	20-25cm girth	4-5m high - upright form,dense compact canopy
Bp	5	Betula pendula	-	Multistem. 3.5 - 4m

To be approved by CA

Planting Notes:

1. Plant handling at the nursery, and during transit up to delivery , shall be in accordance with 'Plant Handling' the booklet published by the Committee for Plant Supply and Establishment (CPSE). The contractor shall comply with clauses 3 & 4 of the above booklet (obtained from the Horticulture Trades Association) which refers to the reciept, unloading and temporary storage of plants.

2. Plants shall be first class examples of their species or variety, free from all pests and diseases with good fibrous root systems and materially undamaged.
(Refer to relevant sections of BS3936 Parts 1-4 'Specification of Nursery Stock')

3. All planting is to be in general compliance with BS4428: 1989 'Code of Practice for general landscape operations (excluding hard surfaces)'.

4. One number 80litre bag of tree planting compost (non peat based) is to be incorporated into four tree pits. Compost must be thoroughly mixed with with excavated (or imported) topsoil. Trees shall be planted in tree pits large enough to accomodate tree roots when fully spread.

5. Trees planted in grass are to have a 1m diameter clear zone to the base and are to be mulched to a depth of 50mm with approved medium grade tree bark.

6. The contractor must ascertain for himself the exact location of any underground services and maintenance points.

7. At the time of planting and seeding areas will be covered by an approved depth
of topsoil:
i) Topsoil to planting areas (within plots) to be 400mm deep
ii) Topsoil to grass areas (within plots) to be 150mm deep

8. Water as necessary to ensure the establishment and continued thriving of planted and grassed matter.

9. Carry out all work when soil and weather conditions are suitable:
i) Do not plant during periods of frost or strong winds. Plant only during the following periods
- Bare root deciduous trees and shrubs: Late October to late March
- Container grown plants: At any time if ground water and weather conditions are favourable.
Ensure that adequate watering and weed control is available.

10. Filter drainage is to provided to all tree pits within the development area.

11. Where possible mounding should be provided within development plots to aid drainage and plant establishment.

12. Rabbit guards are to be added to all tree and whip planting

13. All areas of ornamental shrub planting are to be mulched to a consolidated depth of 50mm using an approved amenity grade bark mulch.

TREE PIT DETAIL: SEMI MATURE TREES WITHIN PLANTED AREAS
SCALE 1:25

NB.

DETAIL APPLIES TO TREES POSITIONED WITHIN AREAS OF SHRUBS AND LAWN





MATERIALS KEY

SOFTWORKS:

TREE: Semi mature Multi stem

TREE: Semi mature Carpinus betulus trees clipped cylindrical form with 2m clear stems to Vista Water Feature

TURF
High quality cultivated turf to lawn areas: Q30/400

SHRUBS:
Ornamental planting (5/10L pots). Planted into 450mm minimum depth of topsoil with drainage.

ROOT BARRIER:
Plastic linear root barrier: Q31/582J

REFER TO DRAWING NO. PL521.B6.GA203-GA205 FOR DETAIL AREA (A) RAISED COURTYARD DRAWINGS

31/10/05 rev A: Flexible root barrier
rev B: Updated to masterplan GA. RM
rev C: shrub and grass planting extended. RM
rev D: Updated to masterplan GA revI. GW/RM
rev E: 08.02.06_Updated to masterplan GA revJ. RM
rev F: 20.07.06_Planting adjustments around sub-station doors. RM
rev G: 16.10.06_Turf reduced by 20m2 to substation entrance. RM
rev H: 15.02.08_Hoarding line incorporated, turf to Redbank omitted, replaced with shrub planting. RM
rev I: 12.03.12_Block 6B entrance revised. RM

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PLANITEDC

Dwg Title	BLOCK 6 SOFTWORKS
Dwg No.	PL521.B6.GA201revI
Status	PLANNING
Scale	1:250 @ A1 1:500 @ A3
Date	17/08/05
Drawn	RM
Appvd.	EL



MATERIALS KEY

HARDWORKS:

STEPS
PcC Conservation kerbs laid as steps. Colour silver grey: Q10/111J.
Handrails (as required) to be stainless steel: Q41/115J

RETAINING WALL:
To engineers spec

KERBS & CHANNELS:
Pre-cast concrete kerbs and channels: Q10/112J

RESIN BOUND AGGREGATE SURFACING -pedestrian areas. Resin bound mixed stone aggregate of 1-3 mm: Q26/265J

TEGULA SETTS 160mm gauge x random length: Q25/605J

GRAVEL SURFACE:
Loose gravel surface for maintenance service access to buildings: Q23/170

PRECAST CONCRETE BLOCK PAVING: Silver grey paving. (Marshalls 'Conservation' exposed aggregate) units: Q25/609J

TACTILE PAVING TO TOP AND BOTTOM OF STEPS: Q25/206J

BLISTER PAVING TO PEDESTRIAN CROSSING ON SCOTLAND RAOD: Q25/207J

PROPRIETARY TIMBER SEATS: Q50/225J

EDGING TO GRASS AND RESIN BOUND SURFACING
Pre-cast concrete Pin kerb: Q10/113J

TIMBER EDGE TO GRAVEL SERVICE STRIP: Q10/201J

TIMBER EDGING TO SHRUBS IN LAWNED AREAS Q10/202J

TARMAC ROAD: Q22/130J

CONCRETE RAMP: Brushed finish to engineers specification.

MASTERTINT SHARED SURFACE. Natural colour aggregate clear bound. By Tarmac Ltd: Q22/122J

WATER FEATURE . Granite clad raised pool. To compliment Central Vista water feature. Performance spec by Ustigate Ltd. 01474 363012/359811.
Refer to drawing no. PL521.B6.D302 for design intent: Q50/360J

FOOTPATHS
Blacktop tarmac: Q22/120J

LIGHTING FIXTURES:
By Iguzzini. See Lighting layout for spec. Drawing PL521.B6.GA202 lighting layout

FEATURE BOLLARDS
Reinforced cast concrete spherical bollards 500mm dia: Q50/190

DRAINAGE
Galvanised steel gulley Q10/175J and slot drain Q10/170J

REFER TO DRAWING NO. PL521.B6.GA203-GA206 FOR DETAIL AREA (A) RAISED COURTYARD DRAWINGS

EXTENT OF SECTION 278 HIGHWAY WORKS. REFER TO ENGINEERS DRAWINGS. CAPITA Mcs5468(1)250

HOARDING - 2.4m high fence and boarding (Crosby logos) as per Tempory Marketing suite.

DRY RISER - Free standing. Refer to engineers specification.

29.250 **PROPOSED S278 LEVELS. Refer to Highway Engineers proposals.**

+31.37 **PROPOSED LANDSCAPE LEVELS**

+29.293 **EXISTING LEVELS**

SOFTWORKS:

TREE: Semi mature multi stem

TREE: 20-25/ 30-35. Refer to softworks drawing for details

TURF
High quality cultivated turf to lawn areas: Q30/400

SHRUBS:
Ornamental planting (5/10L pots) at 4/ m2. Planted into 450mm minimum depth of topsoil with drainage and automated irrigation system.

PLANNING AND BUILDING CONTROL
23 NOV 2012

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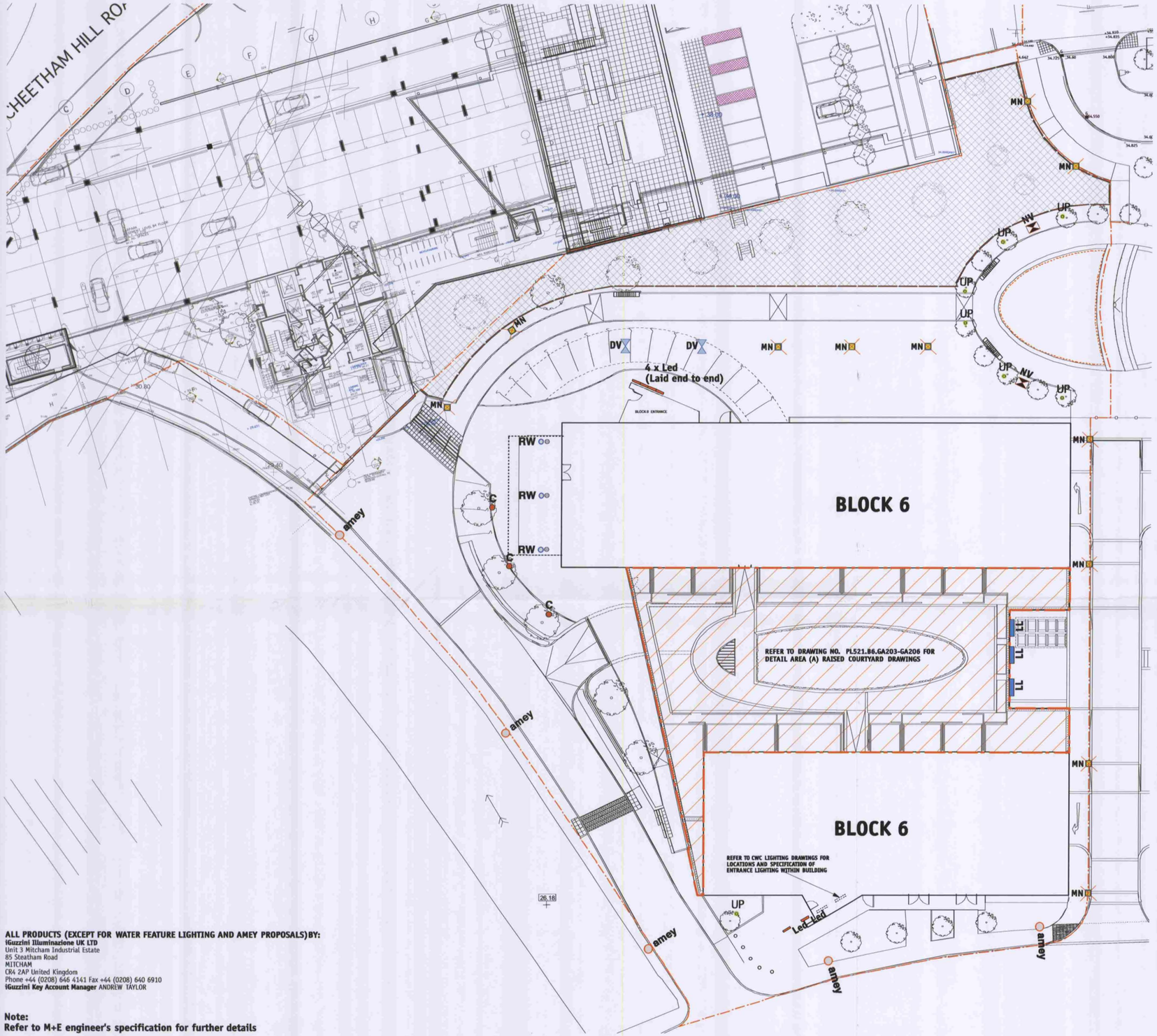
Dwg Title **BLOCK 6**
LANDSCAPE GENERAL ARRANGEMENT

Dwg No.	Status
PL521.B6.M100 rev ZA	PLANNING

Scale	Date	Drawn	Appvd.
1:250 @ A1 1:500 @ A3	17/08/05	RM	EL

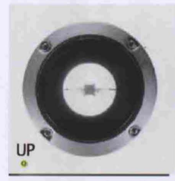
rev A: Specification amendments
rev B: Cash sorting design alterations, trees removed, materials changes
rev C: Block 6 footprint extended, lighting columns, seating to roof deck, kerbs to forming head become flush. RM
rev D: Chevron paving units updated to Marshalls Ls Linear. RM
rev E: Scotland Rd SMA ramps reconfigured. RM
rev F: Level adjustments to Scotland Rd back of pavement, level area, partition fence interface with Block 6 updated, seating to roof deck deleted, trees retained. Rear sunblind to show ground level. RM
rev J: Block 6 fire access area paved, shrub planting adjusted. Key updated. RM
rev K: 08.07.08 Proposed Blocks to access level re-introduced. RM
rev L: 11.07.08 Block 6 levels to Scotland Rd updated. RM
rev M: 11.07.08 External levels to Block 6 updated. RM
rev N: 21.07.08 Block 6&7 levels for access road chanced re: drawing. RM
rev O: 21.07.08 Block 6&7 levels, paving access levels chanced. RM
rev P: 22.07.08 Levels re-checked with Blocks 2&3 'As Built' survey by W.D Oliver & Co Ltd RM
rev Q: 30.08.08 Layout re-checked with Blocks 2&3 'As Built' survey by W.D Oliver & Co Ltd RM
rev R: 10.09.08 Extent of Section 278 Highway works to Capita Mcs5468(1)250rC. Tracking nuts updated to Capita. RM
rev S: 20.07.09 Crossing point included, sub station doors moved, drainage included. RM
rev T: 01.12.06 Additional proposed levels indicated along Coleman Way RM
rev U: 14.12.06 Additional proposed levels indicated along footpath entrance to Block 6. RM
rev V: 20.12.06 Additional proposed levels indicated along Scotland Rd northeast for retaining wall. RM
rev W: 29.12.07 Planter to substation access amended. RM
rev X: 17.12.07 Road layout highlighted. RM
rev Y: 21.01.08 Block 6 footprint updated to reflect masterplan GA - re-alignment of footpath links around site. Steps bounding Site chanes. RM
rev Z: 21.01.08 Levels to substation chanes, sky rise located RM
rev ZA: 12.03.12 Block 6A entrance revised RM



IMAGES.
For illustrative purposes only. Refer to spec when ordering.





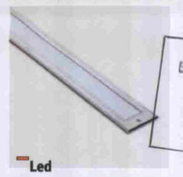














PLANNING AND
BUILDING CONTROL
23 MAR 2012

ALL PRODUCTS (EXCEPT FOR WATER FEATURE LIGHTING AND AMEY PROPOSALS) BY:
iGuzzini Illuminazione UK LTD
Unit 3 Mitcham Industrial Estate
85 Streatham Road
MITCHAM
CR4 2AP United Kingdom
Phone +44 (0208) 646 4141 Fax +44 (0208) 640 6910
iGuzzini Key Account Manager ANDREW TAYLOR

Note:
Refer to M+E engineer's specification for further details

LIGHTING LEGEND

ALL PRODUCTS BY IGUZZINI

RW — **3** x LEDPLUS uplighter. Large circular body with adjustble optic +/-10 degree - 3x1W White LED Spot. 138mm dia. Colour: Steel(13)
Code AT8318

C — **3** x BLIZ WALKWAY LIGHTING LUMINAIRE. Suitable for use with 1 x 26W TC-D lamp. Installed into the ground.
Code AT7288 CLAUSE REF: V91/412J

MN — **11** x MININUVOLA optica assembly . Suitable for use with 1 x 150W HIT /HST lamp. MININUVOLA 5000mm above ground level root mounted galvanised steel column with factory applied RAL 9007 finish to suit single Mininuvola assembly.
Code AT7739.Z.1 and AT096RM CLAUSE REF: V91/415J

DV — **2** x DOUBLE DIFFUSER MININUVOLA optica assembly . Suitable for use with 1 x 150W HIT /HST lamp. MININUVOLA 5000mm above ground level root mounted galvanised steel column with factory applied RAL 9007 finish to suit single Mininuvola assembly.
Code AT7739.Z.1 and AT096RM

NV — **2** x NUVOLA optical assembly only with diffuser screen. Suitable for use with 1 x 250W HIT-DE / 250W HST-DE lamp 1802. Silver/Grey finish. NUVOLA 8000mm above ground level root mounted galvanised steel column with factory applied RAL 9007 finish to suit single Nuvola assembly.
Code AT4160.Z.15 and AT011RM CLAUSE REF: V91/416J

LL — **3** x Linealuce - recessed. Fluorescent module with electronic control gear - 28W T16 G5 L043- Length = 1268 - Grey--1xlamps included- complete with casing (5904.00) and sky blue coloured filter (5506.09)
Code AT7892.015 CLAUSE REF: V91/413J

UP — **7** x Light Up Garden - Ground-recessed luminaire - Fixed optic - 35W HIT G12 1769- With control gear and capacitor - Steel--1xlamps included.
Code AT7163.013 CLAUSE REF: V91/414J

SUBMERSIBLE UP-LIGHTING. To form part of water specialist package. (Lighting to flood interior of water feature)

Led — 6 x Ledplus large body for signalling - white.
Ground recessed into casing B987 (98m depth for shallow build ups). Steel colour, 1 x 4.10 W White LED - Fixed.
Size: 65x1000x80mm deep
Code ATB385. Casing Code: B987

amey — **REFER TO AMEY DRAWING NUMBER (AIS-OW-MSL-0007-A) FOR SCOTLAND AND REDBANK STREET LIGHTING PROPOSALS**

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PLANITEDC

Dwg Title	BLOCK 6 LIGHTING LAYOUT		
Dwg No.	PL521.B6.GA202rl	Status	PLANNING
Scale	Date	Drawn	Apprd.
1:250 @ A1 1:500 @ A3	18/10/05	RM	EL

Rev A: 18.11.05_Updated to Masterplan GA revE
Rev B: 09.12.05_Updated to Masterplan GA revG
Rev C: 06.02.06_Updated to Masterplan GA rev.i. RM
Rev D: 23.05.06_Minor layout amends. RM
Rev E: 20.07.06_CWC entrance lighting highlighted. RM
Rev F: 16.10.07_Bees info updated. RM
Rev G: 12.12.07_Lighting updated to eliminate building mounting.RM
Rev H: 23.01.08_Amey Lighting Proposals.RM
Rev I: 12.03.12_Block 6B entrance revised.RM