Public Document Pack

Hampstead Heath Consultative Committee

Date: MONDAY, 2 JUNE 2014

Time: 7.00pm

Venue: PARLIAMENT HILL CONFERENCE ROOM, PARLIAMENT HILL STAFF YARD, PARLIAMENT HILL FIELDS, HAMPSTEAD HEATH, NW5 1QR

Item 5a - Gateway 4c - Detailed Design: Hampstead Heath Ponds Project - Appendices 2, 3 and 4

Enquiries: David Arnold
David.Arnold@cityoflondon.gov.uk

Dinner will be served in the Parliament Hill Café at the conclusion of the Committee

John Barradell
Town Clerk and Chief Executive

AGENDA

a) Gateway 4c - Detailed Design: Hampstead Heath Ponds Project (Pages 1 - 46)

Joint Report of the Director of Built Environment and the Director of Open Spaces.

Please note that Appendices 2, 3 and 4 are part of a Supplementary Pack.

Hampstead Heath Ponds Project –
List of Potential Changes to Existing Site Plans and Environmental Masterplans (14th May 2014)
Doc Ref 5117039/62/DG/183 Rev 0

Pond Name	**Forthcoming changes to Existing and Environmental Master Plans for Planning**
General	Tree removal information will be added to the existing site plans
Highgate Chain	
Stock Pond	Existing fence will be reinstated on the upstream face of dam The aerators proposed on the drawings subject to review with CoL due to concerns re noise New tree/shrub planting to be added
Kenwood Ladies Bathing Pond	Design of changing facility on existing slab being developed New tree and shrub planting to be added including planting on western boundary to plug gaps in existing planting and screen views
Bird Sanctuary	New tree/shrub planting to be added
Model Boating Pond	Access to island to be shown. (Potential to create a wet causeway as method of access.) Requires clarification from CoL as to method on to the island. Wet causeway? Boardwalk? Fishing pegs may be added Balance of planted margins versus access to open water on pond edge to be reviewed with CoL. Cladding of pond perimeter will be considered in relation to soft edge as space will be a constraint on the west bank. New tree/shrub planting to be added
Men's Bathing Pond	Reinforced concrete wall to be changed to sheet piled wall. Fishing pegs or gaps in proposed planting on southern dam face for angling. New tree/shrub planting to be added
Highgate No.1 Pond	Probable change of RC wall to sheet piled wall. Arrangement of reed bed extensions and views into the pond to be considered. New tree/shrub planting to be added
Hampstead Chain	
Vale of Health	No significant changes expected New tree/shrub planting to be added
Viaduct Pond	No significant changes expected New tree/shrub planting to be added
Catchpit	Proposals for creation of open channel / wetland area downstream of dam, ie across valley bottom towards Mixed Bathing Pond, to be developed. New tree/shrub planting to be added
Mixed Bathing Pond	Dam raising detail changed to 0.5m main dam and 0.5m high grassed bund on the upstream (Mixed Bathing Pond) side of the dam. New tree/shrub planting to be added
Hampstead No.2 Pond	Incorporate planted areas on east bank with fishing pegs. Confirm with CoL what is proposed at these locations Cladding detail to be finalised for southern dam face. Possibility of dredging south-east corner where platform for disabled fishing access was proposed.
Hampstead No.1 Pond	No significant changes expected. Culvert may be slightly wider to account for changes to design of culvert at Hampstead No.2 Pond.

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DO NOT SCALE

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VIADUCT POND

VIADUCT BRIDGE

VIADUCT POND

96
95
94
93
92
91
90

WORK IN PROGRESS

LOCATION KEY PLAN

VALE OF HEALTH POND

VIADUCT POND

CATCH PIT

MIXED BATHING POND

HAMPSTEAD No. 2 POND

HAMPSTEAD No. 1 POND

EXISTING TREES COVERED BY ARBORICULTURAL SURVEY
Refer to drawing 5117039 COL LA0014-LA016 for the Arboricultural survey

EXISTING TREES NOT COVERED BY ARBORICULTURAL SURVEY
Tree location taken from the Topographical survey

POSITION OF TREES NOT SURVEYED
Indicative location provided

EXISTING LANDSCAPE

EXISTING HIMALAYAN BALSAM
Approximate location of Himalayan Balsam plants to be managed

POND

EXISTING POND VEGETATION

EXISTING PATH

CONTOURS

EXISTING FENCE

SCALE : METRES 0 5 10 20

Drawing Status: FOR INFORMATION

Suitability: -

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Client: City of London Corporation

Project Title: HAMPSTEAD HEATH PONDS PROJECT

Drawing Title: VIADUCT POND EXISTING SITE PLAN

Scale	Designed	Drawn	Checked	Authorised
1:500	NM	IF	NM	LB
Original Size: A3	Date: 24/04/14	Date: 24/04/14	Date: 24/04/14	Date: 24/04/14

Drawing Number: 5117039-ATK-P7-ZZ-DR-L-7004

Revision: P1

DO NOT SCALE

RETAINED EXISTING MARGINAL PLANT ASSEMBLAGE

TYPE 5 EDGE INSTALLED TO A DEPTH OF 1.0M FROM TWL (89.5M AOD). LENGTH OF EDGE DETAIL NOMINALLY 20.0M REQUIRED TO RETAIN EXISTING MARGINAL SHELF.

DREDGING: POND TO BE DREDGED

VIADUCT POND

VIADUCT BRIDGE

AERATION - NO ACCESS TO MAINS POWER IN VICINITY OF POND. PROVISION TO BE MADE TO DEPLOY MOBILE AERATOR UNITS 'A' (TO SPECIFICATION OF LINN TURBOJET AERATOR) WITH GENERATORS 'G' LOCATED ON BANKSIDE AS SHOWN.

WATER LEVEL RETAINED

VIADUCT POND

TYPE 1 EDGE INSTALLED TO A MAXIMUM DEPTH OF 1.0M FROM TWL (89.5M AOD). FILL GENERATED FROM POND DESILTING WORKS AND PLANTED WITH MARGINALLY SPECIES MIX. MAXIMUM WIDTH OF EDGE TO BE 3.0M OVER 35.0M BANK LENGTH.

SELECTIVE SCRUB CLEARANCE WORKS REQUIRED TO REMOVE SHADING CHECK ON MARGINAL VEGETATION ESTABLISHMENT.

FOOTPATH TO BE REINSTATED TO MATCH EXISTING.

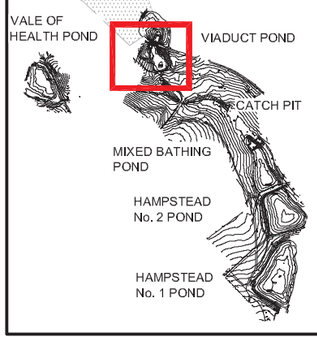
SPILLWAY TO BE GRASSED WITH MIX TO MATCH EXISTING AND REINFORCED.

REGRADING OF SHEET PILE DAM FACE. DETAIL TO BE PROVIDED BY OTHERS.

EXISTING TREES TO BE RETAINED AND PROTECTED DURING CONSTRUCTION IN ACCORDANCE WITH BS5837.

WORKS

LOCATION KEY PLAN



EXISTING TREES COVERED BY ARBORICULTURAL SURVEY
Refer to drawing 5117039 COL LA001-LA016 for the Arboricultural survey

EXISTING TREES NOT COVERED BY ARBORICULTURAL SURVEY
Tree location taken for the Topographical survey

POSITION OF TREES NOT SURVEYED
Indicative location provided.

EXISTING LANDSCAPE

PROPOSED LOG AND BRASH PILE
Approximate location of log/ brash pile using felled/ cut material

PROPOSED SPILLWAY
Refer to the Engineers drawings for details

PROPOSED SPILLWAY BANKS/ BUNDS
Refer to the Engineers drawings for details

POND

PROPOSED TYPE 1 POND EDGE
Refer to detail

PROPOSED TYPE 2 POND EDGE
Refer to detail

EXISTING PATH

REINSTATED PATH
Existing path to be extended or reinstated and made good

CONTOURS

INDICATIVE ROUTE OF FLOOD WATER

EXISTING FENCE LINE

HIMALAYAN BALSAM
Indicative location of invasive species to be managed

AERATOR

AERATOR POWER

NOTES RELATING TO ENVIRONMENTAL PROPOSALS

WATER QUALITY
LANDSCAPE
AQUATIC ECOLOGY
TERRESTRIAL ECOLOGY

NOTES:

1. FURTHER LANDSCAPE AND ECOLOGY MEASURES WILL BE IDENTIFIED AS PART OF THE REINSTATEMENT OF WORKING AREAS TO MAXIMISE BENEFITS.
2. TREES TO BE PROTECTED DURING CONSTRUCTION IN ACCORDANCE WITH BS5837.
3. DREDGING - PRIORITY POND FOR DE-SILT ACTIVITY. DREDGE ENTIRE POND TO HARD BED LEVEL TO REMOVE NUTRIENT-RICH SILT FOR 20% OF POND BASE AREA.
4. GENERAL TREE MAINTENANCE – SELECTIVE PRUNING OF OVERHANGING TREES AROUND POND PERIMETER TO REDUCE LEAF LITTER FALL INTO POND.

SCALE METRES 0 5 10 20

Drawing Status: FOR INFORMATION

Suitability: -

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Client: City of London Corporation

Project Title: HAMPSTEAD HEATH PONDS PROJECT

Drawing Title: VIADUCT POND ENVIRONMENTAL MASTERPLAN

Scale	Designed	Drawn	Checked	Authorised
1:500	NM	IF	NM	LB
Original Size: A3	Date: 24/04/14	Date: 24/04/14	Date: 24/04/14	Date: 24/04/14

Drawing Number: 5117039-ATK-P7-ZZ-DR-L-7005

Revision: P1

DO NOT SCALE

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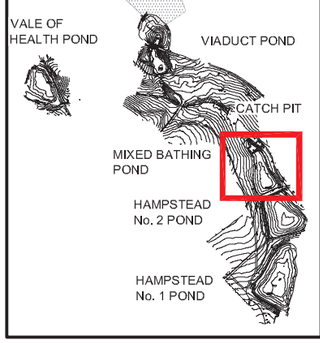
MIXED BATHING POND

HAMPSTEAD NO.2 POND

WORK IN PROGRESS

LOCATION KEY PLAN



EXISTING TREES COVERED BY ARBORICULTURAL SURVEY
Refer to drawing 5117039 COL LA001-LA016 for the Arboricultural survey

EXISTING TREES NOT COVERED BY ARBORICULTURAL SURVEY
Tree location taken from the Topographical survey

POSITION OF TREES NOT SURVEYED
Indicative location provided

EXISTING LANDSCAPE

EXISTING HIMALAYAN BALSAM
Approximate location of Himalayan Balsam plants to be managed

POND

EXISTING POND VEGETATION

EXISTING PATH

CONTOURS

EXISTING FENCE

SCALE METRES 0 7.5 15 30

Drawing Status: FOR INFORMATION

Suitability: -

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Client: City of London Corporation

Project Title: HAMPSTEAD HEATH PONDS PROJECT

Drawing Title: MIXED BATHING POND EXISTING SITE PLAN

Scale	Designed	Drawn	Checked	Authorised
1:750	NM	IF	NM	LB
Original Size	Date	Date	Date	Date
A3	24/04/14	24/04/14	24/04/14	24/04/14

Drawing Number: 5117039-ATK-P8-ZZ-DR-L-7004

Revision: P1

DO NOT SCALE

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POTENTIAL TO MOVE DECK TO IMPROVE AREA FOR SWIMMING EXTENT TBA TO BALANCE WITH MARGINAL

TYPE 2 EDGE INSTALLED TO A MAXIMUM DEPTH OF 1.0 M FROM TWL (74.95AOD). NOMINAL LENGTH OF EDGE DEFINING FRONT OF PLATFORM, 15.0 METERS. NOMINAL AREA OF PLANTING PLATFORM 50.0 M², TO BE PLANTED WITH SHADE TOLERANT SPECIES.

EXISTING TREES RETAINED AND PROTECTED IN ACCORDANCE WITH BS5837

AERATION - ACCESS TO MAINS POWER IN VICINITY OF POND. INSTALLATION OF AERATOR UNITS 'A' (TO SPECIFICATION OF LINN TURBOJET AERATOR) AT INDICATIVE LOCATION SHOWN. POWER UNIT 'P' REQUIRED TO BE CONCEALED ON BANKSIDE AS SHOWN LOCATION TBA.

OPPORTUNITY TO CLEAR SCRUB AND PROVIDE SUN BATHING AREA ON EASTERN BANK ADJACENT TO POND EDGE- EXTENT TBA.

SCRUB CLEARANCE REQUIRED TO REMOVE SHADING CHECK ON MARGINAL VEGETATION ESTABLISHMENT. NOMINAL AREA REQUIRING CLEARANCE 50 M².

SELECTIVE TREE PRUNING ALONG WEST BANK TO REMOVE OVERHANGING BRANCHES- REPLANT EXISTING BANK WHERE CANOPY REMOVAL ALLOWS

WATER LEVEL TO BE RETAINED

DREDGING:
POND TO BE DREDGED TO IMPROVE WATER QUALITY

WATER LEVEL RETAINED

MIXED BATHING POND

EXTENT OF WEST BANK TO BE REPAIRED TBA

TYPE 1 EDGE INSTALLED TO A MAXIMUM DEPTH OF 1.0M FROM TWL (74.95M AOD). FILL GENERATED FROM POND DESILTING WORKS AND PLANTED WITH MARGINAL SPECIES MIX TO PROVIDE BUFFER ALONG VERTICAL EDGE INCREASED IN HEIGHT BY <0.5M. MAXIMUM WIDTH OF PLANTING PLATFORMS TO BE 2.0M.

PROPOSED BANK AT POND EDGE. REINFORCED AND SEEDED

INLET SCREEN TO BE ALTERED

FOOTPATH ACCESS At 76.45 REINSTATED TO MATCH EXISTING. 4m WIDE WITH RAMPS 1:20 GRADIENT.

GROUP OF HAWTHORN WILL REQUIRE PRUNING

PROPOSED FENCE FINISH AND TBA.

LOCAL RAISING TO INTEGRATE FOOTPATH AT JUNCTION AND MATCH EXISTING

TO SCREEN SHEET PILES FINISH AND TYPE TBA. 72

EXISTING PATH

MATURE HYBRID BLACK POPLAR TO BE PROTECTED IN ACCORDANCE WITH BS5832 DURING CONSTRUCTION.

FRENCH DRAIN (GRAVEL) WITH PERFORATED PIPE TO SOAKAWAY TO PREVENT SOIL EROSION TO PATH EDGE.

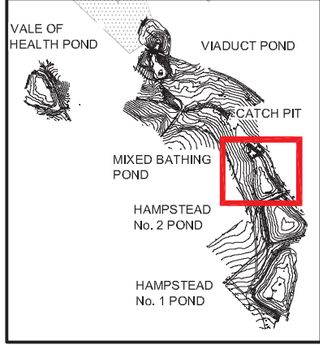
EXISTING SCOUR PIPE (ESTIMATED POSITION)

EXISTING DOWNSTREAM 1:3 SLOPE TO BE REINFORCED TOPSOILED AND RESEEDED WITH SPECIES RICH GRASSLAND SO WATER CAN FLOW OVER DAM

RELOCATION OF FISHING INCLUDING DISABLED ACCESS SUBJECT TO CONSULTATION WITH ANGLERS

WORK IN PROGRESS

LOCATION KEY PLAN



EXISTING TREES COVERED BY ARBORICULTURAL SURVEY
Refer to drawing 5117039 COL LA001-LA016 for the Arboricultural survey

EXISTING TREES NOT COVERED BY ARBORICULTURAL SURVEY
Tree location taken for the Topographical survey

POSITION OF TREES NOT SURVEYED
Indicative location provided.

EXISTING LANDSCAPE

PROPOSED LOG AND BRASH PILE
Approximate location of log/ brash pile using felled/ cut material

PROPOSED REPTILE AND AMPHIBIAN
Approximate location of reptile and amphibian Hibernaculum

PROPOSED SPILLWAY
Refer to the Engineers drawings for details

PROPOSED SPILLWAY BANKS/ BUNDS
Refer to the Engineers drawings for details

POND

PROPOSED TYPE 1 POND EDGE
Refer to detail

PROPOSED TYPE 2 POND EDGE
Refer to detail

EXISTING PATH

REINSTATED PATH
Existing path to be extended or reinstated and made good

CONTOURS

EXISTING FENCE LINE

AERATOR

INDICATIVE ROUTE OF FLOOD WATER OVER DAM

AERATOR POWER

HIMALAYAN BALSAM
Indicative location of invasive species to be managed

NOTES RELATING TO ENVIRONMENTAL PROPOSALS

WATER QUALITY
LANDSCAPE
AQUATIC ECOLOGY
TERRESTRIAL ECOLOGY

NOTES:

1. BAT BOXES TO BE INSTALLED ON TREES - LOCATION AND EXTENT TBC DEPENDING ON TREE LOSS IN THIS AREA AND WHETHER ANY TREES WITH POTENTIAL FOR ROOSTING BATS WILL BE LOST
2. FURTHER LANDSCAPE AND ECOLOGY MEASURES WILL BE IDENTIFIED AS PART OF THE REINSTATEMENT OF WORKING AREAS TO MAXIMISE BENEFITS.
3. TREES TO BE PROTECTED DURING CONSTRUCTION IN ACCORDANCE WITH BS5837.
4. DREDGING - PRIORITY POND FOR DE-SILT ACTIVITY. DREDGE ENTIRE POND TO HARD BED LEVEL TO REMOVE NUTRIENT-RICH SILT.
5. GENERAL TREE MAINTENANCE – SELECTIVE PRUNING OF OVERHANGING TREES AROUND POND PERIMETER TO REDUCE LEAF LITTER FALL INTO POND.

SCALE METRES 0 7.5 15 30

Drawing Status: FOR INFORMATION

Suitability: -

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Client: City of London Corporation

Project Title: HAMPSTEAD HEATH PONDS PROJECT

Drawing Title: MIXED BATHING POND ENVIRONMENTAL MASTERPLAN

Scale	Designed	Drawn	Checked	Authorised
1:750	NM	IF	NM	LB
Original Size	Date	Date	Date	Date
A3	24/04/14	24/04/14	24/04/14	24/04/14

Drawing Number: 5117039-ATK-P8-ZZ-DR-L-7005

Revision: P1

DO NOT SCALE

N

MIXED BATHING POND

HAMPSTEAD NO.2 POND

HAMPSTEAD NO.1 POND

WORK IN PROGRESS

LOCATION KEY PLAN

VALE OF HEALTH POND

VIADUCT POND

CATCH PIT

MIXED BATHING POND

HAMPSTEAD No. 2 POND

HAMPSTEAD No. 1 POND

EXISTING TREES COVERED BY ARBORICULTURAL SURVEY
Refer to drawing 5117039 COL LA001-LA016 for the Arboricultural survey

EXISTING TREES NOT COVERED BY ARBORICULTURAL SURVEY
Tree location taken from the Topographical survey

POSITION OF TREES NOT SURVEYED
Indicative location provided

EXISTING LANDSCAPE

EXISTING HIMALAYAN BALSAM
Approximate location of Himalayan Balsam plants to be managed

POND

EXISTING POND VEGETATION

EXISTING PATH

CONTOURS

EXISTING FENCE

SCALE METRES 0 7.5 15 30

Drawing Status: FOR INFORMATION

Suitability: -

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Client: City of London Corporation

Project Title: HAMPSTEAD HEATH PONDS PROJECT

Drawing Title: HAMPSTEAD NO.2 POND EXISTING SITE PLAN

Scale	Designed	Drawn	Checked	Authorised
1:750	NM	IF	NM	LB
Original Size: A3	Date: 24/04/14	Date: 24/04/14	Date: 24/04/14	Date: 24/04/14

Drawing Number: 5117039-ATK-P9-ZZ-DR-L-7004

Revision: P1

DO NOT SCALE

MIXED BATHING POND

DOG ACCESS FORMALISED WITH SURFACING + SHALLOW STEPS, TYPE + FINISH TBA.

AERATION - ACCESS TO MAINS POWER IN VICINITY OF POND. INSTALLATION OF AERATOR UNITS 'A' (TO SPECIFICATION OF LINN TURBOJET AERATOR) AT INDICATIVE LOCATION SHOWN, POWER UNIT 'P' REQUIRED TO BE CONCEALED ON BANKSIDE AS SHOWN. LOCATION TO BE AGREED.

INDICATIVE LOCATION OF EXISTING INFORMAL FOOTPATH

TYPE 4 EDGE INSTALLED TO A MAXIMUM DEPTH OF 0.5M FROM TWL (74.39AOD). FILL TO BE GENERATED FROM LOCALISED BED. REPROFILING REQUIRED TO CREATE PLATFORM. MAXIMUM WIDTH OF PLATFORM TO BE NOMINALLY 3.0M ALONG TWO BANK LENGTHS OF 20M. PLANTED WITH SHADE TOLERANT SPECIES MIX.

WATER LEVEL RETAINED

HAMPSTEAD No. 2 POND

SOME LOCALISED SCRUB CLEARANCE WORKS REQUIRED TO REMOVE SHADING CHECK ON MARGINAL VEGETATION ESTABLISHMENT.

CLADDING TO SCREEN SHEET PILES (EXISTING). FINISH + TYPE TBA.

AERATION - ACCESS TO MAINS POWER IN VICINITY OF POND. INSTALLATION OF AERATOR UNITS 'A' (TO SPECIFICATION OF LINN TURBOJET AERATOR) AT INDICATIVE LOCATION LOCATION SHOWN.

FOOTPATH EDGE CONTAINMENT KERB. KERB HEIGHT 200mm MAXIMUM ABOVE EXISTING PATH LEVEL. TYPE + FINISH TO BE AGREED.

WOODEN DECKING TO BE AGREED TO PROVIDE ACCESS TO POND EDGE + SCREEN SPILLWAY EG. POTENTIAL DISABLED FISHING ACCESS, CHILDREN'S DIPPING AREA.

WOODEN RAILING AROUND DECKING TBA.

EXISTING FENCE REPLACED + FOOTPATH RESURFACE TO TIE IN WITH NEW EDGE.

2 NO. SEMI MATURE PLANE TREES TO BE PLANTED. LOCATION TBA

WOODEN DECKING 6M WITH FENCE OVER OUTLET CULVERT TBA. OVER LOOKING POND

HAMPSTEAD No. 1 POND

RESIDENTIAL PROPERTIES ALONG SOUTH HILL PARK GARDENS

SOUTH HILL PARK

LOCATION KEY PLAN

VALE OF HEALTH POND

VIADUCT POND

CATCH PIT

MIXED BATHING POND

HAMPSTEAD No. 2 POND

HAMPSTEAD No. 1 POND

EXISTING TREES COVERED BY ARBORICULTURAL SURVEY
Refer to drawing 5117039 COL LA001-LA016 for the Arboricultural survey

EXISTING TREES NOT COVERED BY ARBORICULTURAL SURVEY
Tree location taken for the Topographical survey

POSITION OF TREES NOT SURVEYED
Indicative location provided.

EXISTING LANDSCAPE

PROPOSED LOG AND BRASH PILE
Approximate location of log/ brash pile using felled/ cut material

PROPOSED SPILLWAY
Refer to the Engineers drawings for details

PROPOSED SPILLWAY BANKS/ BUNDS
Refer to the Engineers drawings for details

POND

EXISTING POND VEGETATION

PROPOSED TYPE 4 POND EDGE
Refer to detail

EXISTING PATH

REINSTATED PATH
Existing path to be extended or reinstated and made good

CONTOURS

INDICATIVE ROUTE OF FLOOD WATER

EXISTING FENCE LINE

HIMALAYAN BALSAM
Indicative location of invasive species to be managed

AERATOR

AERATOR POWER

NOTES RELATING TO ENVIRONMENTAL PROPOSALS

WATER QUALITY

LANDSCAPE

AQUATIC ECOLOGY

TERRESTRIAL ECOLOGY

NOTES:

1. FURTHER LANDSCAPE AND ECOLOGY MEASURES WILL BE IDENTIFIED AS PART OF THE REINSTATEMENT OF WORKING AREAS TO MAXIMISE BENEFITS.
2. BAT BOXES TO BE INSTALLED ON TREES - LOCATION AND EXTENT TBC DEPENDING ON TREE LOSS IN THIS AREA AND WHETHER ANY TREES WITH POTENTIAL FOR ROOSTING BATS WILL BE LOST
3. TREES TO BE PROTECTED DURING CONSTRUCTION IN ACCORDANCE WITH BS5837.
4. GENERAL TREE MAINTENANCE – SELECTIVE PRUNING OF OVERHANGING TREES AROUND POND PERIMETER TO REDUCE LEAF LITTER FALL INTO POND .

SCALE METRES 0 7.5 15 30

Drawing Status: FOR INFORMATION

Suitability: -

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Client: City of London Corporation

Project Title: HAMPSTEAD HEATH PONDS PROJECT

Drawing Title: HAMPSTEAD NO.2 POND ENVIRONMENTAL MASTERPLAN

Scale	Designed	Drawn	Checked	Authorised
1:750	NM	IF	NM	LB
Original Size	Date	Date	Date	Date
A3	24/04/14	24/04/14	24/04/14	24/04/14

Drawing Number: 5117039-ATK-P9-ZZ-DR-L-7005

Revision: P1

Drawing Status: FOR INFORMATION

Suitability: -

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Client: City of London Corporation

Project Title: HAMPSTEAD HEATH PONDS PROJECT

Drawing Title: HAMPSTEAD NO.1 POND EXISTING SITE PLAN

Scale	Designed	Drawn	Checked	Authorised
1:750	NM	IF	NM	LB
Original Size: A3	Date: 24/04/14	Date: 24/04/14	Date: 24/04/14	Date: 24/04/14

Drawing Number: 5117039-ATK-P10-ZZ-DR-L-7004

Revision: P1

DO NOT SCALE

LOCATION KEY PLAN

VALE OF HEALTH POND
VIADUCT POND
CATCH PIT
MIXED BATHING POND
HAMPSTEAD No. 2 POND
HAMPSTEAD No. 1 POND

DEEPER CHAMBER USED TO REDUCE WIDTH AND REDUCE IMPACT ON TREES.

WOODEN DECKING 6M WITH FENCE OVER OUTLET CULVERT TBA, OVER LOOKING POND

TREES RETAINED AND PROTECTED IN ACCORDANCE WITH BS5837.

SPILLWAY TO BE GRASSED TO TIE IN WITH EXISTING AND MADE GOOD.

2 NO. SEMI MATURE PLANE TREES TO BE PLANTED. LOCATION TBA

TREES RETAINED AND PROTECTED IN ACCORDANCE WITH BS5837.

EXISTING FOOTPTAH AND LANDFORM TO BE RETAINED AND PROTECTED. DURING CONSTRUCTION

WATER LEVEL RETAINED

HAMPSTEAD No. 1 POND

TYPE 4 EDGE INSTALLED TO A MAXIMUM DEPTH OF 0.5M FROM TWL (69.39M AOD). FILL TO BE GENERATED FROM LOCALISED BED REPROFILING REQUIRED TO CREATE PLANTING PLATFORM. MAXIMUM WIDTH OF PLATFORM TO BE 3.0M. PLANTED WITH EMERGENT REEDS AND SEDGES TO FILL EXISTING GAP IN ESTABLISHED REED SWAMP FRINGE.
ERODED BANK TOE TO BE RAKED DRESSED AND SEEDED WITH MARGINAL POND MIX. WHOLE AREA TO BE PROTECTED BY FENCING TO AID ESTABLISHMENT TEMPORARILY.

AERATION - ACCESS TO MAINS POWER IN VICINITY OF POND. INSTALLATION OF AERATOR UNITS 'A' (TO SPECIFICATION OF LINN TURBOJET AERATOR) AT INDICATIVE LOCATION SHOWN.

RESIDENTIAL PROPERTIES ALONG SOUTH HILL PARK GARDENS

SOUTH HILL PARK

AERATION - ACCESS TO MAINS POWER IN VICINITY OF POND. INSTALLATION OF AERATOR UNITS 'A' (TO SPECIFICATION OF LINN TURBOJET AERATOR) AT INDICATIVE LOCATION SHOWN, EXACT LOCATION TBA. POWER UNIT 'P' REQUIRED TO BE CONCEALED ON BANKSIDE AS SHOWN.

TYPE 1 EDGE INSTALLED TO A MAXIMUM DEPTH OF 1.0M FROM TWL (69.39M AOD). FILL GENERATED FROM LOCALISED POND DESILTING WORKS AND PLANTED WITH SHADE TOLERANT SPECIES MIX. MAXIMUM WIDTH OF EDGE TO BE 3.0M OVER A TOTAL LENGTH OF 40M.

CULVERT INLET

CULVERT OUTLET

IMPORTANT TREES ALONG CATHEDRAL WALK TO BE RETAINED AND PROTECTED IN ACCORDANCE WITH BS5837.

AREA IN FRONT OF CULVERT AND SHALLOW OPEN GRASS CHANNEL, TO BE REINFORCED. TOPSOILED SEEDED AND MADE GOOD TO MATCH EXISTING.

EXTENT OF NEW NATIVE PLANTING TBA

SOUTH END ROAD

SOUTH HILL PARK

EXISTING TREES COVERED BY ARBORICULTURAL SURVEY
Refer to drawing 5117039 COL LA001-LA016 for the Arboricultural survey

EXISTING TREES NOT COVERED BY ARBORICULTURAL SURVEY
Tree location taken for the Topographical survey

POSITION OF TREES NOT SURVEYED
Indicative location provided.

EXISTING LANDSCAPE

PROPOSED LOG AND BRASH PILE
Approximate location of log/ brash pile using felled/ cut material

PROPOSED SPILLWAY
Refer to the Engineers drawings for details

PROPOSED SPILLWAY BANKS/ BUNDS
Refer to the Engineers drawings for details

POND

EXISTING POND VEGETATION

PROPOSED TYPE 1 EDGE
Refer to detail

PROPOSED TYPE 4 EDGE
Refer to detail

PROPOSED AREA OF TREE AND SHRUB PLANTING EXTENT TBA

EXISTING PATH

REINSTATED PATH
Existing path to be extended or reinstated and made good

CONTOURS

INDICATIVE ROUTE OF FLOOD WATER

EXISTING FENCE LINE

AERATOR POWER

AERATOR

NOTES RELATING TO ENVIRONMENTAL PROPOSALS

WATER QUALITY
LANDSCAPE
AQUATIC ECOLOGY
TERRESTRIAL ECOLOGY

NOTES:

1. BOXES TO BE INSTALLED ON TREES - LOCATION AND EXTENT TBC DEPENDING ON TREE LOSS IN THIS AREA AND WHETHER ANY TREES WITH POTENTIAL FOR ROOSTING BATS WILL BE LOST
2. FURTHER LANDSCAPE AND ECOLOGY MEASURES WILL BE IDENTIFIED AS PART FOR THE REINSTATEMENT OF THE WORKING AREAS TO MAXIMISE BENEFITS
3. TREES TO BE PROTECTED DURING CONSTRUCTION IN ACCORDANCE WITH BS5837
4. GENERAL TREE MAINTENANCE – SELECTIVE PRUNING OF OVERHANGING TREES AROUND POND PERIMETER TO REDUCE LEAF LITTER FALL INTO POND.

SCALE METRES 0 7.5 15 30

Drawing Status: FOR INFORMATION
Suitability: -

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Client: City of London Corporation

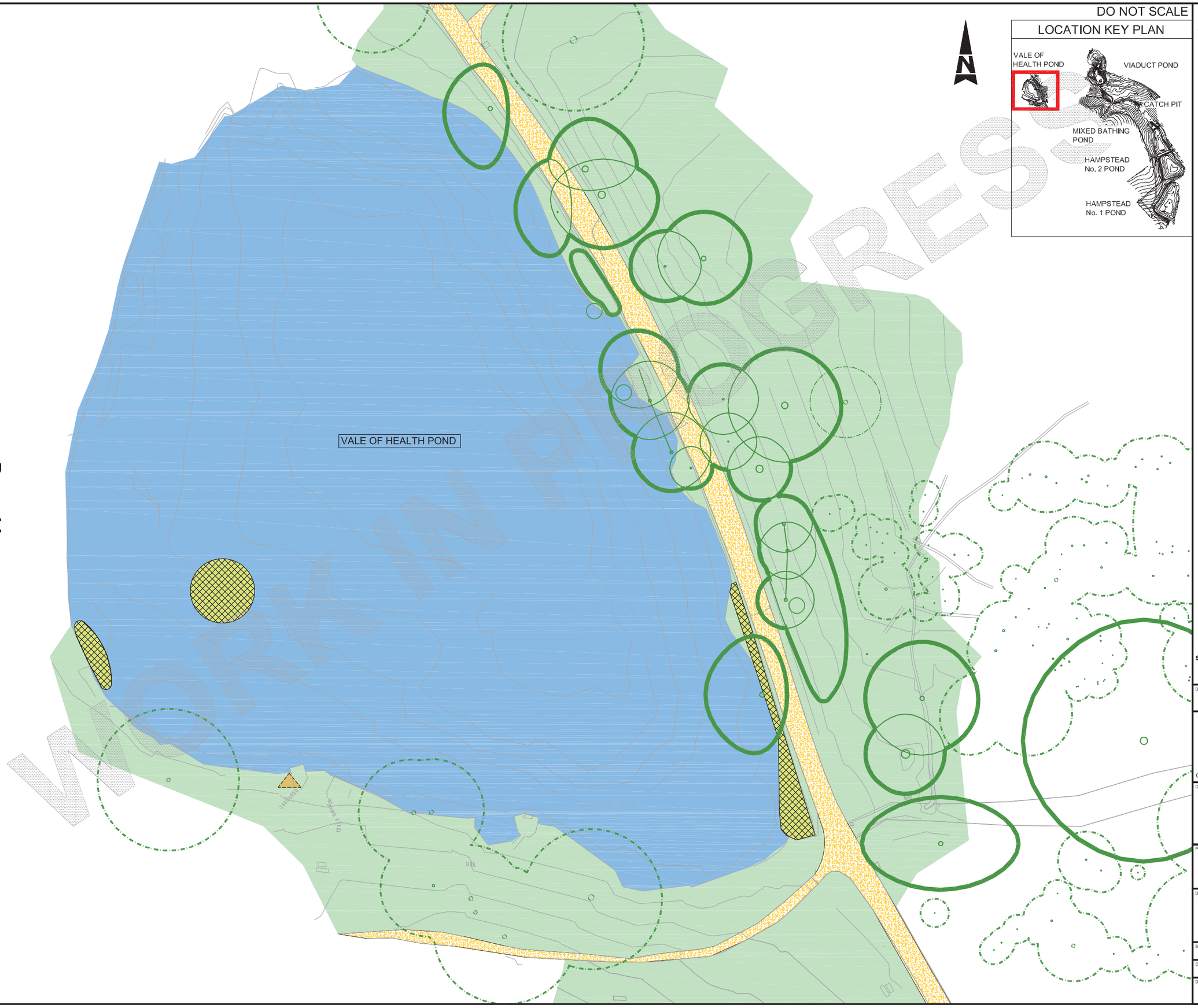
Project Title: HAMPSTEAD HEATH PONDS PROJECT

Drawing Title: HAMPSTEAD NO.1 POND ENVIRONMENTAL MASTERPLAN

Scale	Designed	Drawn	Checked	Authorised
1:750	NM	IF	NM	LB
Original Size: A3	Date: 24/04/14	Date: 24/04/14	Date: 24/04/14	Date: 24/04/14

Drawing Number: 5117039-ATK-P10-ZZ-DR-L-7005
Revision: P1

DO NOT SCALE



EXISTING TREES COVERED BY ARBORICULTURAL SURVEY
Refer to drawing 5117039 COL LA0014-LA016 for the Arboricultural survey

EXISTING TREES NOT COVERED BY ARBORICULTURAL SURVEY
Tree location taken from the Topographical survey

POSITION OF TREES NOT SURVEYED
Indicative location provided

EXISTING LANDSCAPE

EXISTING HIMALAYAN BALSAM
Approximate location of Himalayan Balsam plants to be managed

POND

EXISTING POND VEGETATION

EXISTING PATH

CONTOURS

EXISTING FENCE

SCALE : METRES 0 10 20 40

Drawing Status: FOR INFORMATION

Suitability: -

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Client: City of London Corporation

Project Title: HAMPSTEAD HEATH PONDS PROJECT

Drawing Title: VALE OF HEALTH POND EXISTING SITE PLAN

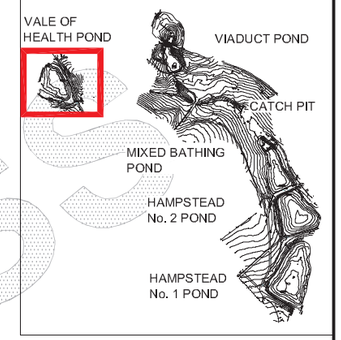
Scale	Designed	Drawn	Checked	Authorised
1:500	NM	IF	NM	LB
Original Size: A3	Date: 24/04/14	Date: 24/04/14	Date: 24/04/14	Date: 24/04/14

Drawing Number: 5117039-ATK-P11-ZZ-DR-L-7004

Revision: P1

DO NOT SCALE

LOCATION KEY PLAN



AERATION - ACCESS TO MAINS POWER IN VICINITY OF POND. INSTALLATION OF AERATOR UNITS 'A' (TO SPECIFICATION OF LINN TURBOJET AERATOR) AT LOCATION SHOWN, POWER UNIT 'P' REQUIRED TO BE CONCEALED ON BANKSIDE AS SHOWN.

WATER LEVEL RETAINED

VALE OF HEALTH POND

PATH REINSTATED AS PER EXISTING.

PATH REINSTATED AS PER EXISTING.

NEW FENCE TO MATCH EXISTING.

EXISTING LILY POND.

CREST RAISED TO LEVEL 105.75M (250mm APPROX. ABOVE EXISTING PATHWAY LEVEL).

IMPORTANT FUNGI ARE PRESENT IN THIS AREA SO TRANSLOCATION OF SOIL FROM WITHIN WORKING AREA COULD BE UNDERTAKEN.

CONTAINMENT KERB AT 106M - KERB HEIGHT 250mm ABOVE PROPOSED LEVEL.

TYPE 5 EDGE INSTALLED TO A MAXIMUM DEPTH OF 300MM FROM TWL (105.04M AOD). PLANTED WITH PHRAGMITES THROUGH USE OF PRE-PLANTED COIR ROLLS AND PALLETS. NO.5 PLANTING AREAS IN TOTAL, EACH 2.3M X 2.3M.

EXISTING FISH PEGS RETAINED.

REINFORCED GRASS. SLOPE 1:3. HEIGHT OF SLOPE 150mm.

NEW OVERFLOW INLET DETAILS TBC.

REINFORCED GRASS SPILLWAY TO MATCH EXISTING GRASS MIX.

EXISTING CHANNEL (EXACT LOCATION TBC).

NEW OVERFLOW OUTLET HEADWALL. DETAILS TBC.

PROPOSED ADDITIONAL OVERFLOW PIPE, 500mm DIAMETER.

SPILLWAY TO BE GRASSED AND MADE GOOD.

EXISTING TREES COVERED BY ARBORICULTURAL SURVEY
Refer to drawing 5117039 COL LA001-LA016 for the Arboricultural survey

EXISTING TREES NOT COVERED BY ARBORICULTURAL SURVEY
Tree location taken for the Topographical survey

POSITION OF TREES NOT SURVEYED
Indicative location provided.

EXISTING LANDSCAPE

PROPOSED LOG AND BRASH PILE
Approximate location of log/ brash pile using felled/ cut material

PROPOSED SPILLWAY
Refer to the Engineers drawings for details

PROPOSED SPILLWAY BANKS/ BUNDS
Refer to the Engineers drawings for details

POND

EXISTING POND VEGETATION

PROPOSED TYPE 5 POND EDGE
Refer to detail

EXISTING PATH

REINSTATED PATH
Existing path to be extended or reinstated and made good

CONTOURS

INDICATIVE ROUTE OF FLOOD WATER

EXISTING FENCE LINE

HIMALAYAN BALSAM
Indicative location of invasive species to be managed

AERATOR

AERATOR POWER

NOTES RELATING TO ENVIRONMENTAL PROPOSALS

WATER QUALITY
LANDSCAPE
AQUATIC ECOLOGY
TERRESTRIAL ECOLOGY

NOTES:

1. FURTHER LANDSCAPE AND ECOLOGY MEASURES WILL BE IDENTIFIED AS PART OF THE REINSTATEMENT OF WORKING AREAS TO MAXIMISE BENEFITS.
2. BOXES TO BE INSTALLED ON TREES - LOCATION AND EXTENT TBC DEPENDING ON TREE LOSS IN THIS AREA AND WHETHER ANY TREES WITH POTENTIAL FOR ROOSTING BATS WILL BE LOST
3. TREES TO BE PROTECTED DURING CONSTRUCTION IN ACCORDANCE WITH BS5837.

SCALE METRES 0 5 10 20

Drawing Status: FOR INFORMATION

Suitability: -

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Client: City of London Corporation

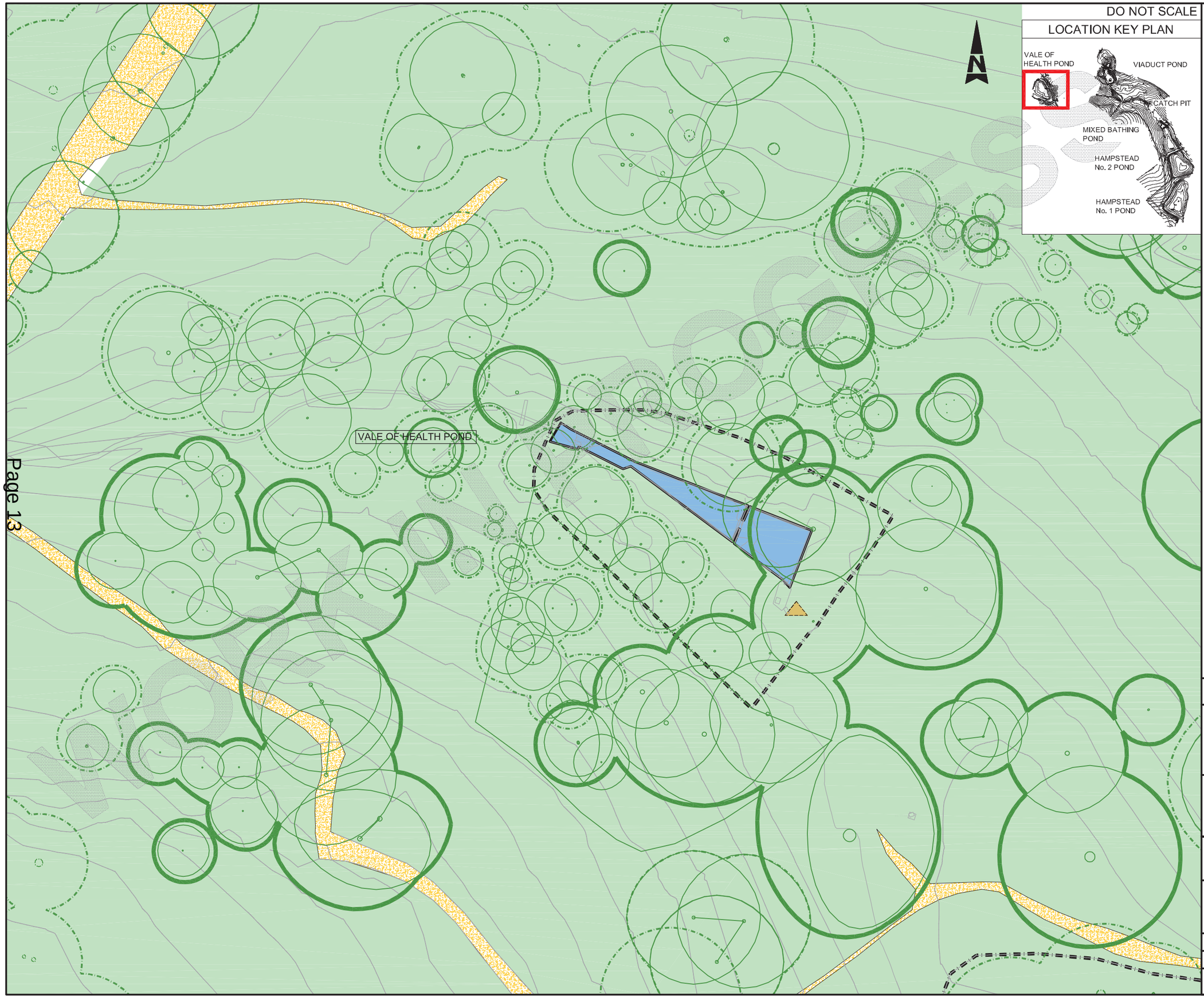
Project Title: HAMPSTEAD HEATH PONDS PROJECT

Drawing Title: VALE OF HEALTH POND ENVIRONMENTAL MASTERPLAN

Scale	Designed	Drawn	Checked	Authorised
1:500	NM	IF	NM	LB
Original Size	Date	Date	Date	Date
A3	24/04/14	24/04/14	24/04/14	24/04/14

Drawing Number: 5117039-ATK-P11-ZZ-DR-L-7005

Revision: P1



EXISTING TREES COVERED BY ARBORICULTURAL SURVEY
Refer to drawing 5117039 COL LA0014-LA016 for the Arboricultural survey

EXISTING TREES NOT COVERED BY ARBORICULTURAL SURVEY
Tree location taken from the Topographical survey

POSITION OF TREES NOT SURVEYED
Indicative location provided

EXISTING LANDSCAPE

EXISTING HIMALAYAN BALSAM
Approximate location of Himalayan Balsam plants to be managed

POND

EXISTING POND VEGETATION

EXISTING PATH

CONTOURS

EXISTING FENCE

SCALE : METRES 0 10 20 40

Drawing Status: FOR INFORMATION

Suitability: -

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Client: City of London Corporation

Project Title: HAMPSTEAD HEATH PONDS PROJECT

Drawing Title: CATCHPIT EXISTING SITE PLAN

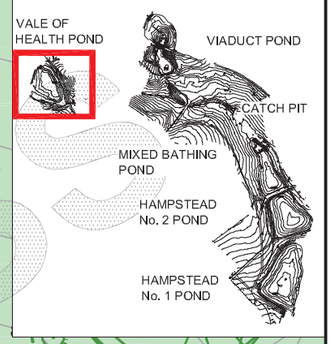
Scale	Designed	Drawn	Checked	Authorised
1:500	NM	IF	NM	LB
Original Size: A3	Date: 24/04/14	Date: 24/04/14	Date: 24/04/14	Date: 24/04/14

Drawing Number: 5117039-ATK-P12-ZZ-DR-L-7002

Revision: P1

DO NOT SCALE

LOCATION KEY PLAN



DAM CREST CURVED TO AVOID TREES.

REGRADE CHANNEL UPSTREAM OF HEADWALL AND LINED WITH TURF REINFORCEMENT MAT.

AREA TO BE PLANTED WITH REEDS (PHRAGMITES AUSTRALIS) OVERLYING 300 THICK GRAVEL LAYER.

SILT TRAPS

NEW HEADWALL WITH DEBRIS SCREEN.

4000 WIDE EMBANKMENT CREST @ 83.5.

EXISTING WATERCOURSE.

1.8M WIDE GRAVEL ACCESS PATH FOR MAINTENANCE.

DAM POSITIONED TO AVOID NATIVE TREES TO FIT WITHIN NARROWER VALLEY POINT AND TO USE LESS MATERIAL.

PIPE UNDERNEATH CATCH PIT DAM.

EXISTING CONCRETE CATCH PIT REMOVED.

NEW OPEN CHAMBER COVERED WITH A SECURITY GRILL.

OPEN WATER CHANNEL TO CREATE WETLAND AREA DOWNSTREAM OF DAM.

NEW REINFORCED EARTH EMBANKMENT WITH 1 IN 3 UPSTREAM SLOPE AND 1 IN 4 DOWNSTREAM SLOPE. GRASSED WITH NATIVE SEED MIX TO TIE IN WITH EXISTING.

RISE IN EMBANKMENT CREST UP TO 84.0 AOD @1 IN 12.

EXISTING TREES COVERED BY ARBORICULTURAL SURVEY
Refer to drawing 5117039 COL LA001-LA016 for the Arboricultural survey

EXISTING TREES NOT COVERED BY ARBORICULTURAL SURVEY
Tree location taken for the Topographical survey

POSITION OF TREES NOT SURVEYED
Indicative location provided.

EXISTING LANDSCAPE

PROPOSED LOG AND BRASH PILE
Approximate location of log/ brash pile using felled/ cut material

PROPOSED SPILLWAY
Refer to the Engineers drawings for details

PROPOSED SPILLWAY BANKS/ BUNDS
Refer to the Engineers drawings for details

POND

EXISTING POND VEGETATION

AREA TO BE PLANTED WITH REEDS (Phragmites australis)

EXISTING PATH

GRAVEL ACCESS PATH FOR MAINTENANCE

CONTOURS

HIMALAYAN BALSAM
Indicative location of invasive species to be managed

EXISTING FENCE LINE

NOTES RELATING TO ENVIRONMENTAL PROPOSALS

WATER QUALITY
LANDSCAPE
AQUATIC ECOLOGY
TERRESTRIAL ECOLOGY

NOTES:

1. BAT BOXES TO BE INSTALLED ON TREES - LOCATION AND EXTENT TBC DEPENDING ON TREE LOSS IN THIS AREA AND WHETHER ANY TREES WITH POTENTIAL FOR ROOSTING BATS WILL BE LOST
2. FURTHER LANDSCAPE AND ECOLOGY EASURES WILL BE IDENTIFIED AS PART OF THE INSTATEMENT OF WORNING AREAS TO MAXIMISE BENEFITS.
3. TREES TO BE PROTECTED DURING CONSTRUCTION IN ACCORDANCE WITH BS5837.

SCALE METRES 0 5 10 20

Drawing Status: FOR INFORMATION

Suitability: -

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Client: City of London Corporation

Project Title: HAMPSTEAD HEATH PONDS PROJECT

Drawing Title: CATCHPIT ENVIRONMENTAL MASTERPLAN

Scale	Designed	Drawn	Checked	Authorised
1:500	NM	IF	NM	LB
Original Size: A3	Date: 24/04/14	Date: 24/04/14	Date: 24/04/14	Date: 24/04/14

Drawing Number: 5117039-ATK-P12-ZZ-DR-L-7003

Revision: P1

DO NOT SCALE

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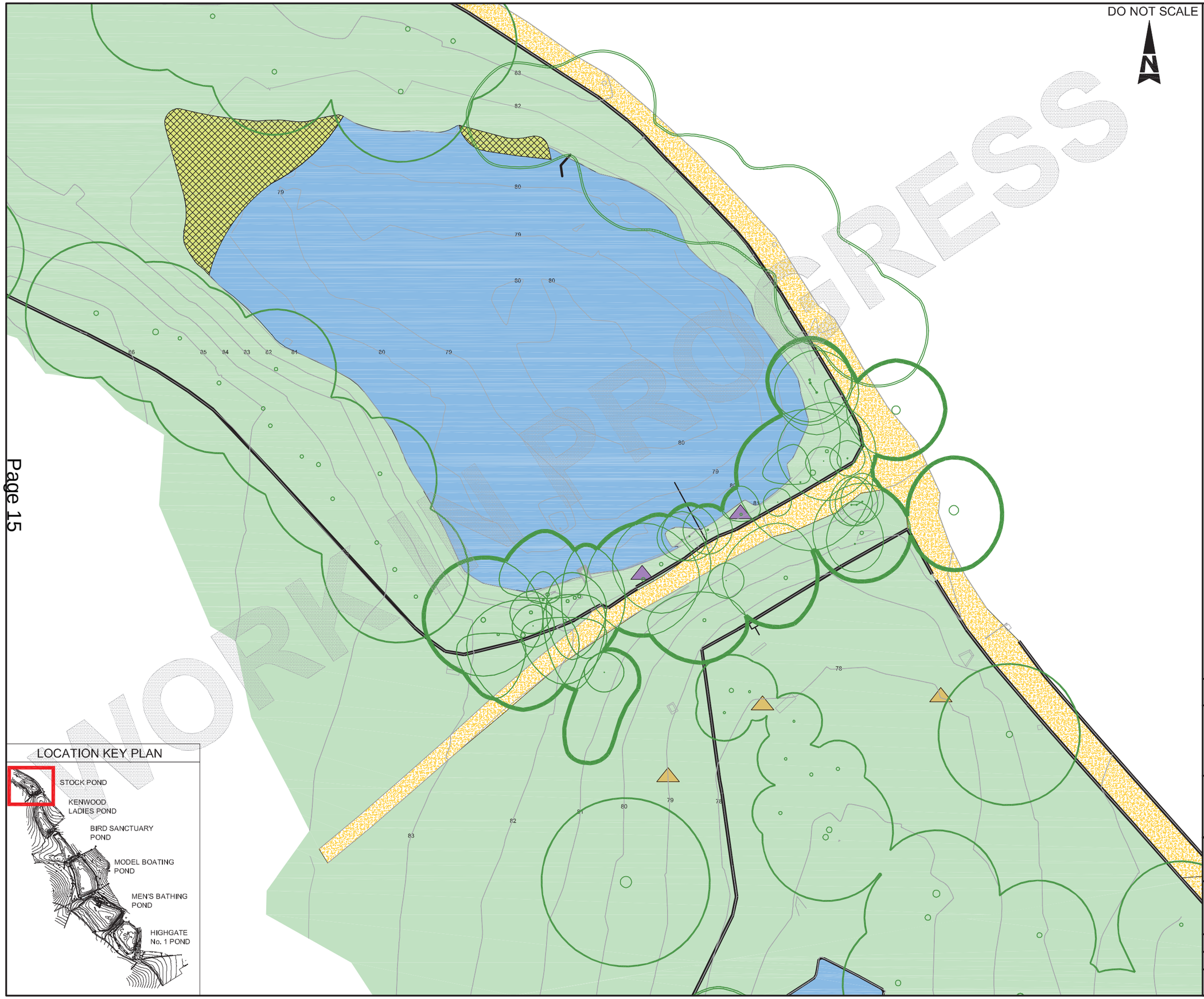

LOCATION KEY PLAN

EXISTING TREES COVERED BY ARBORICULTURAL SURVEY
Refer to drawing 5117039 COL LA001-LA016 for the Arboricultural survey

EXISTING TREES NOT COVERED BY ARBORICULTURAL SURVEY
Tree location taken from the Topographical survey

POSITION OF TREES NOT SURVEYED
Indicative location provided

EXISTING LANDSCAPE

EXISTING JAPANESE KNOTWEED
Approximate location of Japanese knotweed plants to be managed

EXISTING HIMALAYAN BALSAM
Approximate location of Himalayan Balsam plants to be managed

POND

EXISTING POND VEGETATION

EXISTING PATH

CONTOURS

EXISTING FENCE

SCALE : METRES 0 5 10 20

Drawing Status: FOR INFORMATION

Suitability: -

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Client: City of London Corporation

Project Title: HAMPSTEAD HEATH PONDS PROJECT

Drawing Title: STOCK POND EXISTING SITE PLAN

Scale	Designed	Drawn	Checked	Authorised
1:500	NM	IF	NM	LB
Original Size: A3	Date: 24/04/14	Date: 24/04/14	Date: 24/04/14	Date: 24/04/14

Drawing Number: 5117039-ATK-P1-ZZ-DR-L-7002

Revision: P1

DO NOT SCALE

N

PROTECT EXISTING POCKETS OF MARGINAL VEGETATON

TYPE1 EDGE INSTALLED TO A MAXIMUM DEPTH OF 1.0 METRE FROM THE TOP OF WATER LEVEL (TWL 81.06AOD. FILL GENERATED FROM POND DESILTING WORKS AND PLANTED WITH SHADE TOLERANT SPECIES MIX. MAXIMUM WIDTH OF EDGE TO BE 3.0 METRES OVER 50 METRE BANK LENGTH

DREDGE TO HARD BED LEVEL INFRONT OF EXISTING REEDBED TO IMPEDE NATURAL ADVANCE

SELECTIVE SCRUB CLEARANCE WORKS REQUIRED TO REMOVE SHADING CHECK ON MARGINAL VEGETATION ESTABLISHMENT

DREDGING: ENTIRE POND TO BE DREDGED.

WATER LEVEL RETAINED

STOCK POND

AERATION - NO ACCESS TO MAINS POWER IN VICINITY OF POND. PROVISIONS TO BE MADE TO DEPLOY MOBILE AERATOR UNIT "A" (TO SPECIFICATION OF LINN TURBOJET AERATOR) WITH GENERATOR "G" LOCATED ON BANKSIDE AS SHOWN

REINFORCED EARTH WITH GRASS DETAIL AT 82.15

VETERAN OAK TREE

TREES AT EDGE OF SPILLWAY TO BE RETAINED AND PROTECTED IN ACCORDANCE WITH BS5387 WHERE SITE WORKS PERMITS.

SPILLWAY TO BE GRASSED AND MADE GOOD WITH NATIVE SEED MIX TO TIE IN WITH EXISTING GRASS

UPPER EDGE OF CUTTING AT 83.75

CHANNEL TO BE EXCAVATED UPSTREAM OF CREST AT 81.65

FOOTPATH TO BE REINSTATED AND MADE GOOD

FOOTPATH ACROSS SPILLWAY MAXIMUM SLOPE OF 1:12

PROPOSED ALIGNMENT OF CHANNEL TO BE EXCAVATED TO CONVEY FLOWS TO EXISTING STREAM. CHANNEL DIMENSIONS 1.0M WIDE BY 0.3M DEEP. EXCAVATION REQUIRED OVER APPROXIMATELY 20.0M EXACT LOCATION OF CHANNEL TO BE FINALISED ON SITE BY DESIGNER AND COL REPRESENTATIVE. NOMINAL VOLUME REQUIRING EXCAVATION 6M3.

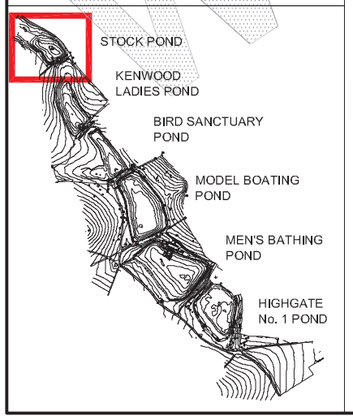
APPROXIMATE LOCATION OF NEW HEAD WALL FOR OVERFLOW PIPE

INDICATIVE ALIGNMENT OF EXISTING STREAM. NOMINALLY 1.0M WIDE (TOP WIDTH) AND 0.3M DEEP, WITH AN APPROXIMATE BED GRADIENT OF 1:40

3 NO. LARGE WOODY DEBRIS CHECK DAMS AND ASSOCIATED EXCAVATIONS. ARROWS INDICATE DIRECTION OF EXCAVATION. EXACT LOCATION OF MEASURE TO BE FINALISED ON SITE BY DESIGNER AND COL REPRESENTATIVE.

LOCATION OF EXISTING HEAD WALL FOR OVERFLOW PIPE.

LOCATION KEY PLAN



EXISTING TREES COVERED BY ARBORICULTURAL SURVEY
Refer to drawing 5117039 COL LA001-LA016 for the Arboricultural survey

EXISTING TREES NOT COVERED BY ARBORICULTURAL SURVEY
Tree location taken from the Topographical survey

POSITION OF TREES NOT SURVEYED
Indicative location provided

EXISTING LANDSCAPE

PROPOSED LOG AND BRASH PILE
Approximate location of log/ brash pile using felled/ cut material

PROPOSED SPILLWAY
Refer to the Engineers drawings for details

PROPOSED SPILLWAY BANKS/ BUNDS
Refer to the Engineers drawings for details

POND

EXISTING POND VEGETATION

PROPOSED TYPE 1 POND EDGE
Refer to details

LARGE WOODY DEBRIS CHECK DAM AND ASSOCIATED WASHLAND EXCAVATION.

EXISTING PATH

REINSTATED PATH
Existing path to be extended or reinstated and made good

CONTOURS

INDICATIVE ROUTE OF FLOOD WATER

EXISTING FENCE LINE

JAPANESE KNOTWEED
Indicative location of invasive species to be managed

AERATOR

HIMALAYAN BALSAM
Indicative location of invasive species to be managed

AERATOR POWER

NOTES RELATING TO ENVIRONMENTAL PROPOSALS

WATER QUALITY
LANDSCAPE
AQUATIC ECOLOGY
TERRESTRIAL ECOLOGY

NOTES:

1. THERE MAYBE FURTHER JAPANESE KNOTWEED PLANT IN THIS AREA. THE JAPANESE KNOTWEED WAS IDENTIFIED DURING A HABITAT SURVEY IN SUMMER 2013
2. TREES TO BE PROTECTED DURING CONSTRUCTION IN ACCORDANCE WITH BS5837.
3. DREDGING - PRIORITY POND FOR DE-SILT ACTIVITY. DREDGE ENTIRE POND TO HARD BED LEVEL TO REMOVE NUTRIENT-RICH SILT.
4. GENERAL TREE MAINTENANCE – SELECTIVE PRUNING OF OVERHANGING TREES AROUND POND PERIMETER TO REDUCE LEAF LITTER FALL INTO POND.

SCALE METRES 0 5 10 20

Drawing Status: FOR INFORMATION

Suitability: -

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Client: City of London Corporation

Project Title: HAMPSTEAD HEATH PONDS PROJECT

Drawing Title: STOCK POND ENVIRONMENTAL MASTERPLAN

Scale	Designed	Drawn	Checked	Authorised
1:500	NM	IF	NM	LB
Original Size: A3	Date: 24/04/14	Date: 24/04/14	Date: 24/04/14	Date: 24/04/14

Drawing Number: 5117039-ATK-P1-ZZ-DR-L-7003

Revision: P1

DO NOT SCALE

N

EXISTING TREES COVERED BY ARBORICULTURAL SURVEY
Refer to drawing 5117039 COL LA001-LA016 for the Arboricultural survey

EXISTING TREES NOT COVERED BY ARBORICULTURAL SURVEY
Tree location taken from the Topographical survey

POSITION OF TREES NOT SURVEYED
Indicative location provided

EXISTING LANDSCAPE

EXISTING JAPANESE KNOTWEED
Approximate location of Japanese knotweed plants to be managed

EXISTING HIMALAYAN BALSAM
Approximate location of Himalayan Balsam plants to be managed

POND

EXISTING POND VEGETATION

EXISTING PATH

CONTOURS

EXISTING FENCE

SCALE METRES 0 7.5 15 30

Drawing Status: FOR INFORMATION

Suitability: -

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Client: City of London Corporation

Project Title: HAMPSTEAD HEATH PONDS PROJECT

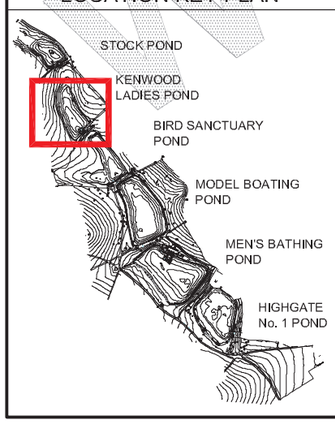
Drawing Title: KENWOOD LADIE'S BATHING POND EXISTING SITE PLAN

Scale	Designed	Drawn	Checked	Authorised
1:750	NM	IF	NM	LB
Original Size: A3	Date: 24/04/14	Date: 24/04/14	Date: 24/04/14	Date: 24/04/14

Drawing Number: 5117039-ATK-P2-ZZ-DR-L-7004

Revision: P1

LOCATION KEY PLAN



WORK IN PROGRESS

DO NOT SCALE

N

IMPORTANT SCREENING TREES RETAINED ALONG BORDER OF POND AREA.

AERATION - ACCESS TO MAINS POWER IN VICINITY OF POND. INSTALLATION OF AERATOR UNIT 'A' (TO SPECIFICATION OF LINN TURBOJET AERATOR) AT LOCATION SHOWN. POWER UNIT 'P' REQUIRED TO BE CONCEALED ON BANK SIDE AS SHOWN. MAINTAIN EXISTING BUBBLE CURTAIN AERATOR PERFORATED PIPE)

DREDGING: ENTIRE POND TO BE DREDGED

GRASSED MEADOW

KENWOOD LADIE'S BATHING POND

WATER LEVEL RETAINED

DREDGING: ENTIRE POND TO BE DREDGED

GRASSED MEADOW

TREES ADJACENT TO WORKS TO BE RETAINED AND PROTECTED IN ACCORDANCE WITH BS5387.

IMPORTANT SCREENING TREES RETAINED ALONG BORDER OF POND AREA.

AERATION - ACCESS TO MAINS POWER IN VICINITY OF POND. INSTALLATION OF AERATOR UNIT 'A' (TO SPECIFICATION OF LINN TURBOJET AERATOR) AT LOCATION SHOWN. POWER UNIT 'P' REQUIRED TO BE CONCEALED ON BANK SIDE AS SHOWN. MAINTAIN EXISTING BUBBLE CURTAIN AERATOR PERFORATED PIPE)

EXISTING CHANGING ROOM PLATFORM

DESIGN OPTIONS FOR BUILDING LAYOUT UNDER DEVELOPMENT

SPILLWAY TO BE GRASSED WITH NATIVE SEED MIX TO TIE IN WITH EXISTING GRASS AND MADE GOOD.

BIRD SANCTUARY POND

LOCATION KEY PLAN

STOCK POND

KENWOOD LADIES POND

BIRD SANCTUARY POND

MODEL BOATING POND

MEN'S BATHING POND

HIGHGATE No. 1 POND

EXISTING TREES COVERED BY ARBORICULTURAL SURVEY
Refer to drawing 5117039 COL LA001-LA016 for the Arboricultural survey

EXISTING TREES NOT COVERED BY ARBORICULTURAL SURVEY
Tree location taken from the Topographical survey

POSITION OF TREES NOT SURVEYED
Indicative location provided

EXISTING LANDSCAPE

PROPOSED LOG AND BRASH PILE
Approximate location of log/ brash pile using fell(ed/ cut material

PROPOSED SPILLWAY
Refer to the Engineers drawings for details

PROPOSED SPILLWAY BANKS/ BUNDS
Refer to the Engineers drawings for details

POND

EXISTING POND VEGETATION

LARGE WOODY DEBRIS CHECK DAM AND ASSOCIATED WASHLAND EXCAVATION.

EXISTING PATH

REINSTATED PATH
Existing path to be extended or reinstated and made good

CONTOURS

INDICATIVE ROUTE OF FLOOD WATER

EXISTING FENCE LINE

JAPANESE KNOTWEED
Indicative location of invasive species to be managed

AERATOR

HIMALAYAN BALSAM
Indicative location of invasive species to be managed

AERATOR POWER

NOTES RELATING TO ENVIRONMENTAL PROPOSALS

WATER QUALITY
LANDSCAPE
AQUATIC ECOLOGY
TERRESTRIAL ECOLOGY

NOTES:

1. THERE MAYBE FURTHER JAPANESE KNOTWEED PLANT IN THIS AREA. THE JAPANESE KNOTWEED WAS IDENTIFIED DURING A HABITAT SURVEY IN SUMMER 2013
2. TREES TO BE PROTECTED DURING CONSTRUCTION IN ACCORDANCE WITH BS5837.
3. BAT BOXES TO BE INSTALLED ON TREES - LOCATION AND EXTENT TBC DEPENDING ON TREE LOSS IN THIS AREA AND WHETHER ANY TREES WITH POTENTIAL FOR ROOSTING BATS WILL BE LOST
4. DREDGING - PRIORITY POND FOR DE-SILT ACTIVITY. DREDGE ENTIRE POND TO HARD BED LEVEL TO REMOVE NUTRIENT-RICH SILT.
5. GENERAL TREE MAINTENANCE – SELECTIVE PRUNING OF OVERHANGING TREES AROUND POND PERIMETER TO REDUCE LEAF LITTER FALL INTO POND.

SCALE METRES 0 7.5 15 30

Drawing Status: FOR INFORMATION

Suitability: -

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Client: City of London Corporation

Project Title: HAMPSTEAD HEATH PONDS PROJECT

Drawing Title: KENWOOD LADIE'S BATHING POND ENVIRONMENTAL MASTERPLAN

Scale	Designed	Drawn	Checked	Authorised
1:750	NM	IF	NM	LB
Original Size	Date	Date	Date	Date
A3	24/04/14	24/04/14	24/04/14	24/04/14

Drawing Number: 5117039-ATK-P2-ZZ-DR-L-7005

Revision: P1

DO NOT SCALE

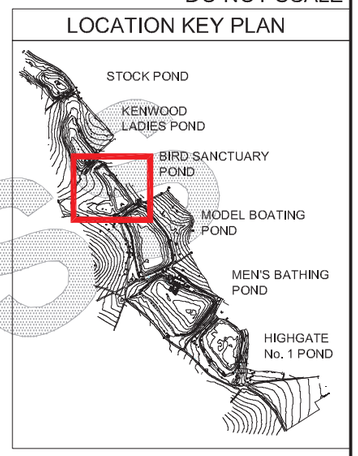
KENWOOD LADIES POND

BIRD SANCTUARY POND

MODEL BOATING POND

WORK IN PROGRESS

LOCATION KEY PLAN



EXISTING TREES COVERED BY ARBORICULTURAL SURVEY
Refer to drawing 5117039 COL LA001-LA016 for the Arboricultural survey

EXISTING TREES NOT COVERED BY ARBORICULTURAL SURVEY
Tree location taken from the Topographical survey

POSITION OF TREES NOT SURVEYED
Indicative location provided

EXISTING LANDSCAPE

EXISTING HOGWEED PLANTS
Approximate location of Hogweed plants to be managed

EXISTING HIMALAYAN BALSAM
Approximate location of Himalayan Balsam plants to be managed

POND

EXISTING POND VEGETATION

EXISTING PATH

CONTOURS

EXISTING FENCE

SCALE METRES 0 7.5 15 30

Drawing Status: FOR INFORMATION

Suitability: -

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Client: City of London Corporation

Project Title: HAMPSTEAD HEATH PONDS PROJECT

Drawing Title: BIRD SANCTUARY POND EXISTING SITE PLAN

Scale	Designed	Drawn	Checked	Authorised
1:750	NM	IF	NM	LB
Original Size	Date	Date	Date	Date
A3	24/04/14	24/04/14	24/04/14	24/04/14

Drawing Number: 5117039-ATK-P3-ZZ-DR-L-7006

Revision: P1

DO NOT SCALE

NEW FOOTPATH GRADED TO TIE IN WITH EXISTING. MATERIALS TO MATCH EXISTING. MAXIMUM GRADIENT OF SLOPE 1:12.

IMPORTANT VIEWS ACROSS BIRD SANCTUARY POND RETAINED AND PROTECTED

KINGFISHER BANK RETAINED AND PROTECTED.

TREES AT EDGE OF SPILLWAY TO BE RETAINED AND PROTECTED DURING WORKS IN ACCORDANCE WITH BS5387.

NEW FOOTPATH GRADED TO TIE IN WITH EXISTING. MATERIALS TO MATCH EXISTING. MAXIMUM GRADIENT OF SLOPE 1:12.

PROPOSED ADDITIONAL OVERFLOW PIPE FOLLOWING EXISTING DITCH

AERATION - ACCESS TO MAINS POWER IN VICINITY OF POND. INSTALLATION OF AERATOR UNIT "A" (TO SPECIFICATION OF LINN TURBOJET AERATOR) AT LOCATION SHOWN .POWER UNIT(S) 'P' REQUIRED TO BE CONCEALED ON ON BANKSIDE AS SHOWN.

NEW WETLAND CHANNEL EXCAVATED TO BE 0.75M DEEP RELATIVE TO TWL (71.95). BED WIDTH TO BE NOMINALLY 0.6M,WITH 1:2 SLOPE TO BANK TOP WIDTH OF BETWEEN 3.6M AND 2.3M . CHANNEL LENGTH TO BE NORMALLY 30M WITH ROUTE TO BE FINALISED ON SITE BY DESIGNER AND COL REPRESENTATIVE. INDICATIVE SECTION AT UPSTREAM END:

WATER LEVEL RETAINED

BIRD SANCTUARY POND

AERATION - ACCESS TO MAINS POWER IN VICINITY OF POND. INSTALLATION OF AERATOR UNIT "A" (TO SPECIFICATION OF LINN TURBOJET AERATOR) AT LOCATION SHOWN .POWER UNIT(S) 'P' REQUIRED TO BE CONCEALED ON ON BANKSIDE AS SHOWN.

GAS LINE

SCRAPE TO BE CUT BEHIND EXISTING REED FRINGE. SCRAPE TO EXTEND 8.0M INTO CLEARED AREA. GEOMETRY OF SCRAPE TO BE APPROXIMATELY ½ CIRCLE WITH 1:2 SLOPE (SEE INDICATIVE SECTION).

PROPOSED CHANNEL TO PROVIDE ECOLOGICAL BENEFIT AND DIVERSITY.

PROPOSED CHANNEL TO PROVIDE ECOLOGICAL BENEFIT AND DIVERSITY.

PROPOSED POOLS AND CHANNELS TO IMPROVE WATER QUALITY AND ECOLOGICAL DIVERSITY.

GRASSED SPILLWAY TO BE PLANTED WITH NATIVE MIX TO TIE IN WITH EXISTING GRASS AND MADE GOOD.

POND EDGE ACCESS RETAINED.

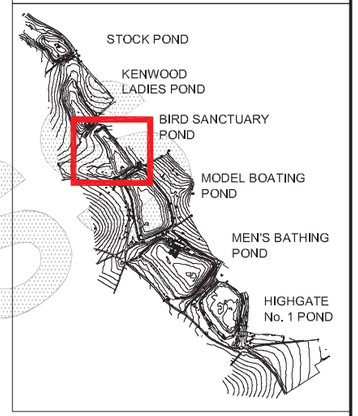
WATER TO SPILL NATURALLY ALONG VALLEY FLOOR I.E. NOT THROUGH CUT CHANNELS, SO THAT SEDIMENT DROPOUT IS FACILITATED.

INDICATIVE LOCATION OF EXCAVATED POOLS ALONG VALLEY FLOOR TO INCORPORATE EXISTING INFLOW. POOLS TO BE NOMINALLY 8.0M AT THEIR WIDEST POINT. EXCAVATED TO A MAXIMUM DEPTH OF 1.0M BELOW EXISTING GROUND LEVEL WITH 1:2 SLOPES. NO.4 POOLS DESIGNED TO CAPTURE SILT ALONG EXISTING STREAM INPUT. EXACT LOCATION TO BE FINALISED ON SITE BY DESIGNER AND COL REPRESENTATIVE.

PROPOSED OUTFLOW PIPE FROM BIRD SANCTUARY POND TO MODEL BOATING POND.

MODEL BOATING POND

LOCATION KEY PLAN



EXISTING TREES COVERED BY ARBORICULTURAL SURVEY
Refer to drawing 5117039 COL LA001-LA016 for the Arboricultural survey

EXISTING TREES NOT COVERED BY ARBORICULTURAL SURVEY
Tree location taken for the Topographical survey

POSITION OF TREES NOT SURVEYED
Indicative location provided.

EXISTING LANDSCAPE

PROPOSED LOG AND BRASH PILE
Approximate location of log/ brash pile using felled/ cut material

PROPOSED REPTILE AND AMPHIBIAN
Approximate location of reptile and amphibian Hibernaculum

PROPOSED SPILLWAY
Refer to the Engineers drawings for details

PROPOSED SPILLWAY BANKS/ BUNDS
Refer to the Engineers drawings for details

POND

EXISTING POND VEGETATION

EXISTING PATH

REINSTATED PATH
Existing path to be extended or reinstated and made good

CONTOURS

EXISTING FENCE LINE

AERATOR

AERATOR POWER

INDICATIVE ROUTE OF FLOOD WATER OVER DAM

GIANT HOGWEED PLANTS
Indicative location of invasive species to be managed

HIMALAYAN BALSAM
Indicative location of invasive species to be managed

NOTES RELATING TO ENVIRONMENTAL PROPOSALS

- WATER QUALITY
- AQUATIC ECOLOGY
- LANDSCAPE
- TERRESTRIAL ECOLOGY

NOTES:

1. LANDSCAPE AND ECOLOGY TO LIAISE REGARDING REINSTATEMENT OF WORKING AREA AND PLANTING.
2. TREES TO BE PROTECTED DURING CONSTRUCTION IN ACCORDANCE WITH BS5837.
3. GENERAL TREE MAINTENANCE – SELECTIVE PRUNING OF OVERHANGING TREES AROUND POND PERIMETER TO REDUCE LEAF LITTER FALL INTO POND.

SCALE METRES 0 7.5 15 30

Drawing Status: FOR INFORMATION

Suitability: -

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Client: City of London Corporation

Project Title: HAMPSTEAD HEATH PONDS PROJECT

Drawing Title: BIRD SANCTUARY POND ENVIRONMENTAL MASTERPLAN

Scale	Designed	Drawn	Checked	Authorised
1:750	NM	IF	NM	LB
Original Size	Date	Date	Date	Date
A3	24/04/14	24/04/14	24/04/14	24/04/14

Drawing Number: 5117039-ATK-P3-ZZ-DR-L-7007

Revision: P1

DO NOT SCALE

BIRD SANCTUARY POND

MODEL BOATING POND

MEN'S BATHING POND

MILLFIELD LANE

WORKING

LOCATION KEY PLAN

STOCK POND

KENWOOD LADIES POND

BIRD SANCTUARY POND

MODEL BOATING POND

MEN'S BATHING POND

HIGHGATE No. 1 POND

EXISTING TREES COVERED BY ARBORICULTURAL SURVEY
Refer to drawing 5117039 COL LA001-LA016 for the Arboricultural survey

EXISTING TREES NOT COVERED BY ARBORICULTURAL SURVEY
Tree location taken from the Topographical survey

POSITION OF TREES NOT SURVEYED
Indicative location provided

EXISTING LANDSCAPE

EXISTING HOGWEED PLANTS
Approximate location of Hogweed plants to be managed

EXISTING HIMALAYAN BALSAM
Approximate location of Himalayan Balsam plants to be managed

POND

EXISTING POND VEGETATION

EXISTING PATH

CONTOURS

EXISTING FENCE

SCALE : METRES 0 10 20 40

Drawing Status: FOR INFORMATION

Suitability: -

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Client: City of London Corporation

Project Title: HAMPSTEAD HEATH PONDS PROJECT

Drawing Title: MODEL BOATING POND EXISTING SITE PLAN

Scale	Designed	Drawn	Checked	Authorised
1:1000	NM	IF	NM	LB
Original Size: A3	Date: 24/04/14	Date: 24/04/14	Date: 24/04/14	Date: 24/04/14

Drawing Number: 5117039-ATK-P4-ZZ-DR-L-7006

Revision: P1

DO NOT SCALE

BIRD SANCTUARY POND

GRASSED SPILLWAY TO BE PLANTED WITH NATIVE MIX TO TIE IN WITH EXISTING GRASS AND MADE GOOD.

POND EDGE ACCESS RETAINED.

HARD EDGE AND DIRECT ACCESS TO WATER RETAINED.

POND TO BE PARTIALLY DREDGED (APPROXIMATELY 20%)

EXISTING HARD EDGE RETAINED

PROPOSED UNDERGROUND OUTFLOW PIPE FROM BIRD SANCTUARY POND TO MODEL BOATING POND.

ISLAND CREATED TO PROVIDE VISUAL AMENITY AND ECOLOGICAL BIODIVERSITY AND TO PROTECT EXISTING TREES.

AERATION - INSTALLATION OF AERATOR UNIT "A" (TO SPECIFICATION OF LINN TURBOJET AERATOR) AT INDICATIVE LOCATION SHOWN .

NEW FOOTPATH TO CONNECT TO MILLFIELD LANE.

WATER LEVEL RETAINED

MODEL BOATING POND

POND ENLARGED AND NATURALISED ON WEST BANK WITH EXCAVATION TO PROVIDE MATERIAL FOR NEW DAM. EW MARGIN SET BACK CREATING NEW POND EDGE AND OPEN WATER HABITAT.

AMENITY USE OF 'SUNNY BANK' ON EAST SIDE EXTENDED ONTO UPSTREAM FACE OF NEW DAM.

NEW 1.8M WIDE FOOTPATH ALONG POND EDGE.

UPSTREAM FACE OF DAM TO VARY IN PROFILE BETWEEN 1:3 AND 1:6 TO TIE IN WITH EXISTING LANDFORM.

EXISTING ACCESS FOR CYCLISTS AND WALKERS ACROSS DAM RETAINED.

RELOCATED FOOTPATH AND MAINTENANCE VEHICLE ACCESS.

BAT BOXES TO BE INSTALLED ON TREES RETAINED ON ISLAND

RELOCATED FOOTPATH PROVIDING CONTINUOUS ACCESS AROUND POND

ELEVATED FOOTPATH ALONG DAM CREST PROVIDING OPEN VIEWS TO THE SOUTH.

DAM SEEDED TO INCLUDE SPECIES RICH GRASSLAND INCLUDING WILDFLOWER AREAS AND INTERMITTENT SHRUB PLANTING.

INFORMAL GRASS FOOTPATH ALONG DOWN CREST 2.0M WIDE.

AERATION - ACCESS TO MAINS POWER IN VICINITY OF POND. LOCATION TBC. POWER UNIT(S) IF REQUIRED TO BE CONCEALED ON ON BANKSIDE AS SHOWN IN INDICATIVE LOCATION.

GAS LINE

OPEN SPILLWAY REINFORCED, TOPSOILED AND SEEDED - LANDFORM DESIGNED TO DRAIN WATER AWAY FROM DOWNSTREAM FACE OF DAM MAXIMISING RETENTION OF TREES AND HIDING SPILLWAY FROM VIEW.

MENS' BATHING POND

MILLFIELD LANE

LOCATION KEY PLAN

STOCK POND

KENWOOD LADIES POND

BIRD SANCTUARY POND

MODEL BOATING POND

MEN'S BATHING POND

HIGHGATE No. 1 POND

EXISTING TREES COVERED BY ARBORICULTURAL SURVEY
Refer to drawing 5117039 COL LA001-LA016 for the Arboricultural survey

EXISTING TREES NOT COVERED BY ARBORICULTURAL SURVEY
Tree location taken from the Topographical survey

POSITION OF TREES NOT SURVEYED
Indicative location provided

EXISTING LANDSCAPE

PROPOSED LOG AND BRASH PILE
Approximate location of log/ brash pile using felled/ cut material

PROPOSED SPILLWAY
Refer to the Engineers drawings for details

PROPOSED SPILLWAY BANKS/ BUNDS
Refer to the Engineers drawings for details

POND

EXISTING POND VEGETATION

PROPOSED MARGINAL PLANTING PLATFORM

EXISTING PATH

REINSTATED PATH
Existing path to be extended or reinstated and made good

CONTOURS

EXISTING FENCE LINE

AERATOR

AERATOR POWER

INDICATIVE ROUTE OF FLOOD WATER

GIANT HOGWEED PLANTS
Indicative location of invasive species to be managed

HIMALAYAN BALSAM
Indicative location of invasive species to be managed

NOTES RELATING TO ENVIRONMENTAL PROPOSALS

WATER QUALITY

LANDSCAPE

AQUATIC ECOLOGY

TERRESTRIAL ECOLOGY

NOTES:

1. FURTHER LANDSCAPE AND ECOLOGY MEASURES WILL BE IDENTIFIED AS PART FOR THE REINSTATEMENT OF THE WORKING AREAS AND SPILLWAY TO MAXIMISE BENEFITS
2. TREES TO BE PROTECTED DURING CONSTRUCTION IN ACCORDANCE WITH BS5837.
3. DREDGING - PRIORITY POND FOR DE-SILT ACTIVITY. DREDGE ENTIRE POND TO HARD BED LEVEL TO REMOVE NUTRIENT-RICH SILT FOR 20% OF POND BASE AREA.
4. GENERAL TREE MAINTENANCE – SELECTIVE PRUNING OF OVERHANGING TREES AROUND POND PERIMETER TO REDUCE LEAF LITTER FALL INTO POND.

SCALE METRES 0 10 20 40

Drawing Status: FOR INFORMATION

Suitability: -

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Client: City of London Corporation

Project Title: HAMPSTEAD HEATH PONDS PROJECT

Drawing Title: MODEL BOATING POND ENVIRONMENTAL MASTERPLAN

Scale	Designed	Drawn	Checked	Authorised
1:1000	NM	IF	NM	LB
Original Size	Date	Date	Date	Date
A3	24/04/14	24/04/14	24/04/14	24/04/14

Drawing Number: 5117039-ATK-P4-ZZ-DR-L-7007

Revision: P1

DO NOT SCALE

MODEL BOATING POND

MENS' BATHING POND

HIGHGATE NO.1 POND

AREA TO BE CLEARED OF SCRUB AND CHECK STONES INSTALLED TO STORE WATER AND DROP OUT SEDIMENT. DETAILS TO BE CONFIRMED.

Mill Field Cottage

Post

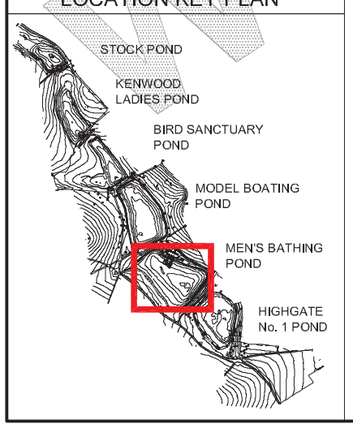
34

32

30

24

LOCATION KEY PLAN



EXISTING TREES COVERED BY ARBORICULTURAL SURVEY
Refer to drawing 5117039 COL LA001-LA016 for the Arboricultural survey

EXISTING TREES NOT COVERED BY ARBORICULTURAL SURVEY
Tree location taken from the Topographical survey

POSITION OF TREES NOT SURVEYED
Indicative location provided

EXISTING LANDSCAPE

EXISTING JAPANESE KNOTWEED
Approximate location of Japanese knotweed plants to be managed

EXISTING HIMALAYAN BALSAM
Approximate location of Himalayan Balsam plants to be managed

POND

EXISTING POND VEGETATION

EXISTING PATH

CONTOURS

EXISTING FENCE

SCALE : METRES 0 10 20 40

Drawing Status: FOR INFORMATION

Suitability: -

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Client: City of London Corporation

Project Title: HAMPSTEAD HEATH PONDS PROJECT

Drawing Title: HIGHGATE MENS' BATHING POND EXISTING SITE PLAN

Scale	Designed	Drawn	Checked	Authorised
1:1000	NM	IF	NM	LB
Original Size	Date	Date	Date	Date
A3	24/04/14	24/04/14	24/04/14	24/04/14

Drawing Number: 5117039-ATK-P5-ZZ-DR-L-7006

Revision: P1

DO NOT SCALE

MODEL BOATING POND

A

A

AERATION - ACCESS TO MAINS POWER IN VICINITY OF POND. INSTALLATION OF AERATOR UNIT "A" (TO SPECIFICATION OF LINN TURBOJET AERATOR) AT INDICATIVE LOCATION SHOWN. POWER UNIT(S) 'P' REQUIRED TO BE CONCEALED ON ON BANKSIDE AS SHOWN. MAINTAIN EXISTING BUBBLE CURTAIN AERATOR (PERFORATED PIPE).

TREES TO BE RETAINED AND PROTECTED DURING WORKS IN ACCORDANCE WITH BS5387.

EXISTING PIPED CULVERT & STREAM INLET TO BE REMOVED. STREAM TO BE OPENED BY EXCAVATING SURROUNDING LAND BY UP TO 1.5M TO CREATE WETLAND BOWL OF MAXIMUM WIDTH 6.0M. AREA TO BE PLANTED WITH PRE-ESTABLISHED COIR PALLETS

2 NO. SMALL CHECK DAMS TO BE INSTALLED ACROSS STREAM

DREDGING: MEN'S BATHING POND TO BE DREDGED TO IMPROVE WATER QUALITY

4.0 M GAP IN PLANTING PLATFORM TO PERMIT FISHING ACCESS (NO.3) TBA IN CONSULTATION WITH ANGLERS

TYPE 1 EDGE INSTALLED TO A DEPTH OF 1.0 M FROM TOP OF WATER LEVEL (TWL-67.59 AOD. FILL GENERATED FROM POND DE-SILTING WORKS AND PLANTED WITH A MIXTURE OF REEDS, SEEDS AND MARGINAS TO SCREEN WALL AND PILING. EDGE TO EXTEND 2.0 M INTO POND AND RUN PARALLEL WITH EXISTING SHEET PILING.

WATER LEVEL RETAINED

MENS' BATHING POND

EXISTING INFORMAL GRASS PATH ON DAM CREST RETAINED.

PROPOSED 1M HIGH WALL TO BE POSITIONED ALONG EXISTING FENCE LINE. WALL CLADDING TBC FOLLOWING STAKEHOLDER CONSULTATION.

EXISTING GRASS DAM TO BE RETAINED.

TYPE 1 EDGE INSTALLED TO A DEPTH OF 1.0 M FROM TOP OF WATER LEVEL (TWL-67.59 AOD. FILL GENERATED FROM POND DE-SILTING WORKS AND PLANTED WITH A MIXTURE OF REEDS, SEEDS AND MARGINALS TO SCREEN WALL AND PILING. EDGE TO EXTEND 2.0 M INTO POND AND RUN PARALLEL WITH EXISTING SHEET PILING.

4.0 M GAP IN PLANTING PLATFORM TO PERMIT FISHING ACCESS (NO.3) TBA IN CONSULTATION WITH ANGLERS

AERATION - ACCESS TO MAINS POWER IN VICINITY OF POND. INSTALLATION OF AERATOR UNIT "A" (TO SPECIFICATION OF LINN TURBOJET AERATOR) AT INDICATIVE LOCATION SHOWN.

A

SOME SELECTIVE PRUNING OF OVERHANGING TREES, RETAINING NATURAL ASPECT AND ENCLOSURE

GAS LINE

OPEN SPILLWAY TO BE REINFORCED TOPSOILED AND SEEDED, MADE GOOD WITH NATIVE SEED MIX TO TIE IN WITH EXISTING GRASS

HIGHGATE NO.1 POND

WATER LEVEL RETAINED

JAPANESE KNOTWEED TO BE TREATED

TIMBER RETURN WALL TO BRIDGE ROOTS OF TREE

TREES AT EDGE OF SPILLWAY TO BE RETAINED AND PROTECTED DURING WORKS IN ACCORDANCE WITH BS5387.

EXISTING OVERFLOW

Mill Field Cottage

WORK

Page 24

LOCATION KEY PLAN

STOCK POND

KENWOOD LADIES POND

BIRD SANCTUARY POND

MODEL BOATING POND

MEN'S BATHING POND

HIGHGATE No. 1 POND

EXISTING TREES COVERED BY ARBORICULTURAL SURVEY
Refer to drawing 5117039 COL LA001-LA016 for the Arboricultural survey

EXISTING TREES NOT COVERED BY ARBORICULTURAL SURVEY
Tree location taken for the Topographical survey

POSITION OF TREES NOT SURVEYED
Indicative location provided.

EXISTING LANDSCAPE

PROPOSED LOG AND BRASH PILE
Approximate location of log/ brash pile using felled/ cut material

PROPOSED SPILLWAY
Refer to the Engineers drawings for details

PROPOSED SPILLWAY BANKS/ BUNDS
Refer to the Engineers drawings for details

POND

EXISTING POND VEGETATION

PROPOSED TYPE 1 POND EDGE
Refer to details

EXISTING PATH

REINSTATED PATH
Existing path to be extended or reinstated and made good

CONTOURS

INDICATIVE ROUTE OF FLOOD WATER

EXISTING FENCE LINE

JAPANESE KNOTWEED
Indicative location of invasive species to be managed

PROPOSED 1M HIGH WALL

HIMALAYAN BALSAM
Indicative location of invasive species to be managed

AERATOR

AERATOR POWER

NOTES RELATING TO ENVIRONMENTAL PROPOSALS

WATER QUALITY

LANDSCAPE

AQUATIC ECOLOGY

TERRESTRIAL ECOLOGY

NOTES:

1. THERE MAYBE FURTHER JAPANESE KNOTWEED PLANT IN THIS AREA. THE JAPANESE KNOTWEED WAS IDENTIFIED DURING A HABITAT SURVEY IN SUMMER 2013
2. TREES TO BE PROTECTED DURING CONSTRUCTION IN ACCORDANCE WITH BS5837.
3. BAT BOXES TO BE INSTALLED ON TREES ADJACENT TO TREE LOSS
4. DREDGING - PRIORITY POND FOR DE-SILT ACTIVITY. DREDGE ENTIRE POND TO HARD BED LEVEL TO REMOVE NUTRIENT-RICH SILT.
5. GENERAL TREE MAINTENANCE – SELECTIVE PRUNING OF OVERHANGING TREES AROUND POND PERIMETER TO REDUCE LEAF LITTER FALL INTO POND.

SCALE METRES 0 10 20 40

Drawing Status: FOR INFORMATION

Suitability: -

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Client: City of London Corporation

Project Title: HAMPSTEAD HEATH PONDS PROJECT

Drawing Title: HIGHGATE MENS' BATHING POND ENVIRONMENTAL MASTERPLAN

Scale	Designed	Drawn	Checked	Authorised
1:1000	NM	IF	NM	LB
Original Size: A3	Date: 24/04/14	Date: 24/04/14	Date: 24/04/14	Date: 24/04/14

Drawing Number: 5117039-ATK-P5-ZZ-DR-L-7007

Revision: P1

DO NOT SCALE

MENS' BATHING POND

HIGHGATE NO.1 POND

West Hill Court

1 to 10

49 to 56

Posts

Sluice

WORKS IN PROGRESS

LOCATION KEY PLAN

STOCK POND

KENWOOD LADIES POND

BIRD SANCTUARY POND

MODEL BOATING POND

MEN'S BATHING POND

HIGHGATE No. 1 POND

EXISTING TREES COVERED BY ARBORICULTURAL SURVEY
Refer to drawing 5117039 COL LA001-LA016 for the Arboricultural survey

EXISTING TREES NOT COVERED BY ARBORICULTURAL SURVEY
Tree location taken from the Topographical survey

POSITION OF TREES NOT SURVEYED
Indicative location provided

EXISTING LANDSCAPE

EXISTING POND VEGETATION

EXISTING PATH

CONTOURS

EXISTING FENCE

SCALE METRES 0 7.5 15 30

Drawing Status: FOR INFORMATION

Suitability: -

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Client: City of London Corporation

Project Title: HAMPSTEAD HEATH PONDS PROJECT

Drawing Title: HIGHGATE NO.1 POND EXISTING SITE PLAN

Scale	Designed	Drawn	Checked	Authorised
1:750	NM	IF	NM	LB
Original Size	Date	Date	Date	Date
A3	24/04/14	24/04/14	24/04/14	24/04/14

Drawing Number: 5117039-ATK-P6-ZZ-DR-L-7004

Revision: P1

DO NOT SCALE

MENS' BATHING POND

AERATION - NO ACCESS TO MAINS POWER IN VICINITY OF POND. PROVISION TO BE MADE TO DEPLOY MOBILE AERATOR UNITS 'S' (TO SPECIFICATION OF LINN TURBOJET AERATOR) WITH GENERATOR 'G' LOCATED ON BANKSIDE AS SHOWN IN INDICATIVE LOCATION.

TYPE 3 EDGE TO BE INSTALLED IN FRONT OF EXISTING REEDBED TO ENCOURAGE NATURAL EXTENSION OF MARGINAL REED FRINGE. NOMINAL BED LEVEL OF 0.5M REQUIRED AT NO.8 LOCATIONS. POTENTIAL TO INCREASE EXISTING EDGE OF REED FRINGE PONDWARD BY UP TO 4.0M

AERATION - NO ACCESS TO MAINS POWER IN VICINITY OF POND. PROVISION TO BE MADE TO DEPLOY MOBILE AERATOR UNITS 'S' (TO SPECIFICATION OF LINN TURBOJET AERATOR) WITH GENERATOR 'G' LOCATED ON BANKSIDE AS SHOWN IN INDICATIVE LOCATION.

FLOATING PLANT PLATFORM- POTENTIAL TO INSTALL PLATFORMS(AS PER BLOMATRIX WATER SPECIFICATION) IN HIGHLIGHTED AREAS AS AN ALTERATIVE PLANTING OPTION TO AID WATER QUALITY IMPROVEMENTS

SOME SELECTIVE SCRUB/TREE MANAGEMENT REQUIRED TO REDUCE LOCALISED SHADING CHECK.

TYPE 3 EDGE TO BE INSTALLED IN FRONT OF EXISTING REEDBED TO ENCOURAGE NATURAL EXTENSION OF MARGINAL REED FRINGE. NOMINAL BED LEVEL OF 0.5M REQUIRED AT NO.8 LOCATIONS. POTENTIAL TO INCREASE EXISTING EDGE OF REED FRINGE PONDWARD BY UP TO 4.0M

WATER LEVEL RETAINED

HIGHGATE NO.1 POND

TREES ON UPSTREAM FACE TO BE COPPICED AS REQUIRED

OPTION TO EXTEND REED FRINGE THOUGH FENCE REALIGNMENT ALSO PRESENTS IN THESE LOCATIONS

INFORMAL REINFORCED GRASS FOOTPATH ALONG DAM CREST. SEED MIX TO TIE IN WITH EXISTING.

DOG SWIMMING AREA.

PATH RAISED TO SPILLWAY CREST LEVEL- 64.45 SURFACED TO MATCH EXISTING RAMP 1:20

TREES ON UPSTREAM FACE OF DAM TO BE COPPICED AS REQUIRED

PROPOSED 1.25M HIGH WALL POSITIONED ALONG DAM CREST. WALL CLADDING TBC FOLLOWING STAKEHOLDER CONSULTATION.

West Hill Court

1 to 10

TREES ON UPSTREAM FACE OF DAM TO BE COPPICED AS REQUIRED

TYPE 1 EDGE INSTALLED TO A MAXIMUM DEPTH OF 1.0M FROM TWL (62.45M AOD). FILL GENERATED FROM LOCALISED POND DESILTING WORKS AND PLANTED WITH SHADE TOLERANT SPECIES MIX. MAXIMUM WIDTH OF EDGE TO BE 2.0M

PROPOSED 1.25M HIGH SHEET PILED WALL POSITIONED ALONG DAM CREST. WALL CLADDING TBC FOLLOWING STAKEHOLDER CONSULTATION.

RAMP RETAINED BY WALL - TYPE + FINISH TBA.

BROOKFIELD MANSIONS

49 to 56

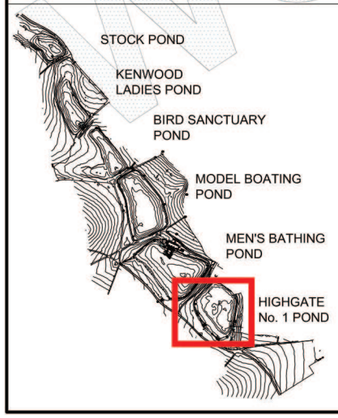
TIMBER RETURN WALL TO BRIDGE ROOTS OF TREES.

OPEN SPILLWAY REINFORCED TOPSOILED + SEEDED.

TREES AT EDGE OF SPILLWAY TO BE RETAINED AND PROTECTED DURING WORKS IN ACCORDANCE WITH BS5387.

Page 26

LOCATION KEY PLAN



EXISTING TREES COVERED BY ARBORICULTURAL SURVEY
Refer to drawing 5117039 COL LA001-LA016 for the Arboricultural survey

EXISTING TREES NOT COVERED BY ARBORICULTURAL SURVEY
Tree location taken for the Topographical survey

POSITION OF TREES NOT SURVEYED
Indicative location provided.

EXISTING LANDSCAPE

PROPOSED LOG AND BRASH PILE
Approximate location of log/ brash pile using felled/ cut material

PROPOSED SPILLWAY
Refer to the Engineers drawings for details

PROPOSED SPILLWAY BANKS/ BUNDS
Refer to the Engineers drawings for details

POND

EXISTING POND VEGETATION

PROPOSED TYPE 1 POND EDGE
Refer to detail

PROPOSED TYPE 3 POND EDGE
Refer to detail

EXISTING PATH

REINSTATED PATH
Existing path to be extended or reinstated and made good

CONTOURS

INDICATIVE ROUTE OF FLOOD WATER

EXISTING FENCE LINE

AERATOR POWER

AERATOR

NOTES RELATING TO ENVIRONMENTAL PROPOSALS

WATER QUALITY

LANDSCAPE

AQUATIC ECOLOGY

TERRESTRIAL ECOLOGY

NOTES:

1. BAT BOXES TO BE INSTALLED ON TREES - LOCATION AND EXTENT TBC DEPENDING ON TREE LOSS IN THIS AREA AND WHETHER ANY TREES WITH POTENTIAL FOR ROOSTING BATS WILL BE LOST
2. FURTHER LANDSCAPE AND ECOLOGY MEASURES WILL BE IDENTIFIED AS PART OF THE REINSTATEMENT OF WORKING AREAS TO MAXIMISE BENEFITS
3. TREES TO BE PROTECTED DURING CONSTRUCTION IN ACCORDANCE WITH BS5837.
4. GENERAL TREE MAINTENANCE – SELECTIVE PRUNING OF OVERHANGING TREES AROUND POND PERIMETER TO REDUCE LEAF LITTER FALL INTO POND.

SCALE METRES 0 7.5 15 30

Drawing Status: FOR INFORMATION

Suitability: -

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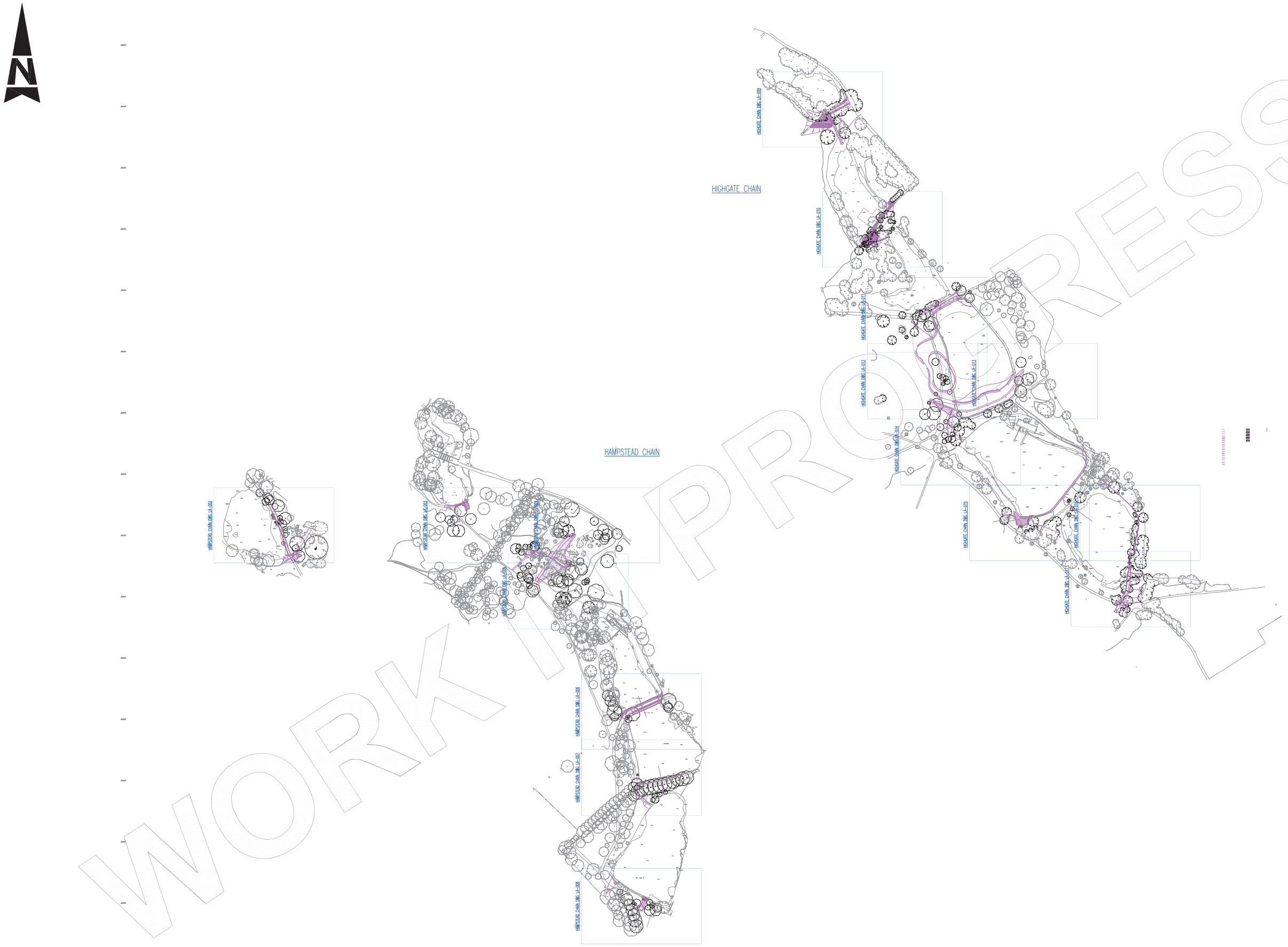
Project Title: HAMPSTEAD HEATH PONDS PROJECT

Drawing Title: HIGHGATE NO.1 POND ENVIRONMENTAL MASTERPLAN

Scale	Designed	Drawn	Checked	Authorised
1:750	NM	IF	NM	LB
Original Size A3	Date 24/04/14	Date 24/04/14	Date 24/04/14	Date 24/04/14

Drawing Number: 5117039-ATK-P6-ZZ-DR-L-7005

Revision: P1



NOTE: DRAWING
5117039-ATK-ZZ-ZZ-DR-Y-2000 IS KEY PLAN

Stat	Purpose of Issue	Date	Auth	Rev	Description	By	Date	Chk'd	Auth
P	'WORK IN PROGRESS' ISSUE TO PPSG	14/05/14	TD	P1	'WORK IN PROGRESS' ISSUE TO PPSG	NP	14/05/14	JH	TD

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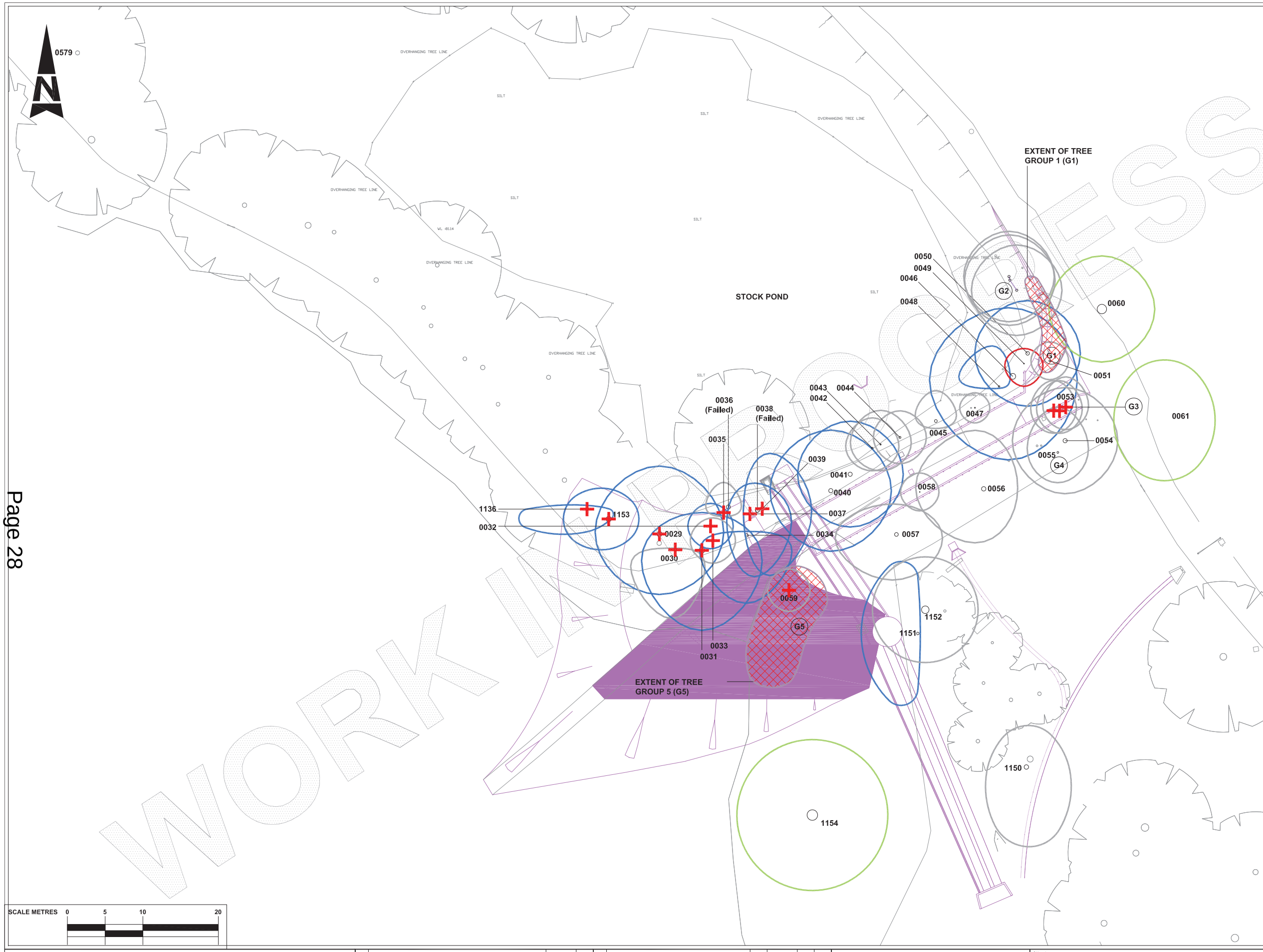
Client: City of London Corporation

Project: HAMPSTEAD HEATH PONDS PROJECT

Title: HAMPSTEAD CHAIN AND HIGHGATE CHAIN TREE PROTECTIONPLANS

Sheet Size	Original Scale	Designed/Drawn	Checked	Authorised
A1	NTS	NP Date 07.05.14	JH Date 07.05.14	TD Date 07.05.14

Status	Drawing Number	Rev
P	5117039-ATK-ZZ-ZZ-DR-Y-2000	P1



Tree No	Species	Category grading	Tree To be removed for construction
0029	English Oak	B2	YES
0030	English Oak	C2	YES
0031	English Oak	B2	YES
0032	English Oak	B2	YES
0033	Holly	C2	YES
0034	English Oak	B2	YES
0035	English Oak	C2	YES
0036	English Oak	n/a	
0037	English Oak	B2	YES
0038	English Oak	n/a	
0039	Common Beech	B2	YES
0040	English Oak	B2	
0041	English Oak	B2	
0042	Alder	C2	
0043	Alder	C2	
0044	Alder	C2	
0045	English Oak	C2	
0046	English Oak	B2	
0047	Hawthorn	C2	
0048	English Oak	B2	
0049	English Oak	U	
0050	English Oak	B2	
G1-0051	Hawthorn, Elm, Field Maple	C2	Part of G1 to be felled - Approx. 5 BS Cat C Hawthorns to be felled.
G2-0052	Common Alder	C2	
G3-0053	Hawthorn	C2	Part of G3 to be felled - Approx. 5 BS Cat C Hawthorn to be felled.
0054	English Oak	C2	
G4-0055	English Oak	C2	
0056	English Oak	C2	
0057	English Oak	C2	
0058	Hawthorn	C2	
G5-0059	Group- 2 x Hornbeam	B2	Part of G5 to be felled - Approx. 2 BS Cat C Hombeams to be felled.
0060	English Oak	A2,3	
0061	English Oak	A2,3	
1150	Crack Willow	C2	
1151	English Oak	B2	
1152	Crack Willow	C3	
1153	English Oak	B2	YES
1154	English Oak	A2,3	
1136	English Oak	B2	YES

TREE CONSTRAINTS KEY

*category according to BS5837

000 *CATEGORY A TREE + TREE REF.

000 *CATEGORY B TREE + TREE REF.

000 *CATEGORY C TREE + TREE REF.

000 *CATEGORY U TREE + TREE REF.

G1 TREE GROUP REFERENCE

W1 WOODLAND GROUP + GROUP REFERENCE. HATCH EXTENT INDICATE APPROX EDGE OF CANOPIES OF PERIMETER TREES (COLOUR OF BOUNDARY LINE RELATES TO TREE *CATEGORIES AS FOR INDIVIDUAL TREES AS SHOWN ABOVE)

ROOT PROTECTION AREA TO FOLLOW

WOODLAND GROUP TO BE REMOVED

PROPOSED SCHEME

TREE TO BE REMOVED OR TRANSLOCATED AS PART OF WORKS

Stat	Purpose of Issue	Date	Auth	Rev	Description	By	Date	Chk'd	Auth
P	'WORK IN PROGRESS' ISSUE TO PPSG	14/05/14	TD	P1	'WORK IN PROGRESS' ISSUE TO PPSG	NP	14/05/14	JH	TD

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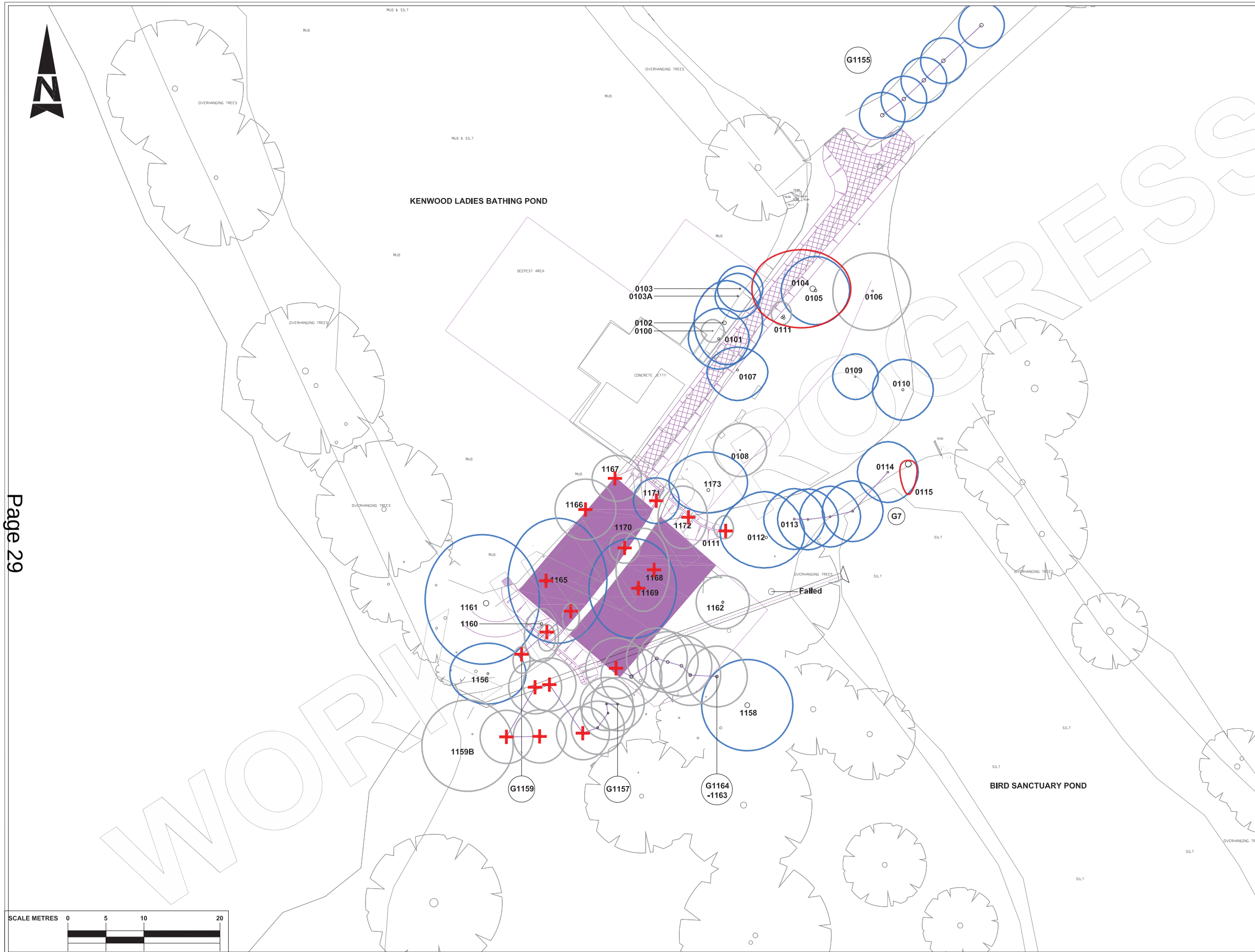
Client: City of London Corporation

Project: HAMPSTEAD HEATH PONDS PROJECT

Title: STOCK POND TREE PROTECTION PLANS

Sheet Size	Original Scale	Designed/Drawn	Checked	Authorised
A1	1:250 @ A1 1:500 @ A3	NP Date 07.05.14	JH Date 07.05.14	TD Date 07.05.14

Status	Drawing Number	Rev
P	5117039-ATK-P1-ZZ-DR-Y-2000	P1



Tree No	Species	Category grading	Tree To be removed for construction
0100	Hawthorn	C2	
0101	Common Alder	B2	
0102	Common Alder	B2	
0103, 103A	Common Alder	B2	
0104	Crack Willow	U	
0105	English Oak	B2	
0106	Silver Birch	C2	
0107	Wild Cherry	B2	
0108	Downey Birch	C2	
0109	Sorbus *spp*.	B2	
0110	Silver Birch	B2	
0111	Hawthorn	C2	YES
0112	English Oak	B2	
G7-0113-0114	Common Ashx1, Silver Birchx2, Common Alderx2	B2	
0115	Crack Willow	U	
G1155	Crack Willow x5	C2	
1156	Common Ash	B2	
G1157	Hawthorn	C2	Part of G1157 to be felled - Approx. 5 BS Cat C Hawthorns to be felled.
1158	English Oak	B2	
G1159	Holly x5	C2	G1157 to be felled - Approx. 5 BS Cat C Holly's to be felled.
1159B	English Oak	C2	
1160	Silver Birch	C2	
1161	English Oak	B2	
1162	English Oak	C2	
G1164-1163	Silver Birchx7	C2	
1165	English Oak	B2	YES
1166	Sycamore	C2	
1167	Alder	C2	
1168	Hawthorn	C2	
1169	English Oak	B2	YES
1170	Hawthorn	C2	YES
1171	English Oak	B2	YES
1172	Hawthorn	C2	YES
1173	silver Birch	B2	

TREE CONSTRAINTS KEY

*category according to BS5837

000 *CATEGORY A TREE + TREE REF.

000 *CATEGORY B TREE + TREE REF.

000 *CATEGORY C TREE + TREE REF.

000 *CATEGORY U TREE + TREE REF.

G1 TREE GROUP REFERENCE

W1 WOODLAND GROUP + GROUP REFERENCE. HATCH EXTENT INDICATE APPROX EDGE OF CANOPIES OF PERIMETER TREES (COLOUR OF BOUNDARY LINE RELATES TO TREE *CATEGORIES AS FOR INDIVIDUAL TREES AS SHOWN ABOVE)

ROOT PROTECTION AREA TO FOLLOW

WOODLAND GROUP TO BE REMOVED

PROPOSED SCHEME

TREE TO BE REMOVED OR TRANSLOCATED AS PART OF WORKS

Stat	Purpose of Issue	Date	Auth
P	'WORK IN PROGRESS' ISSUE TO PPSG	15/05/14	TD

Rev	Description	By	Date	Chk'd	Auth
P1	'WORK IN PROGRESS' ISSUE TO PPSG	NP	14/05/14	JH	TD

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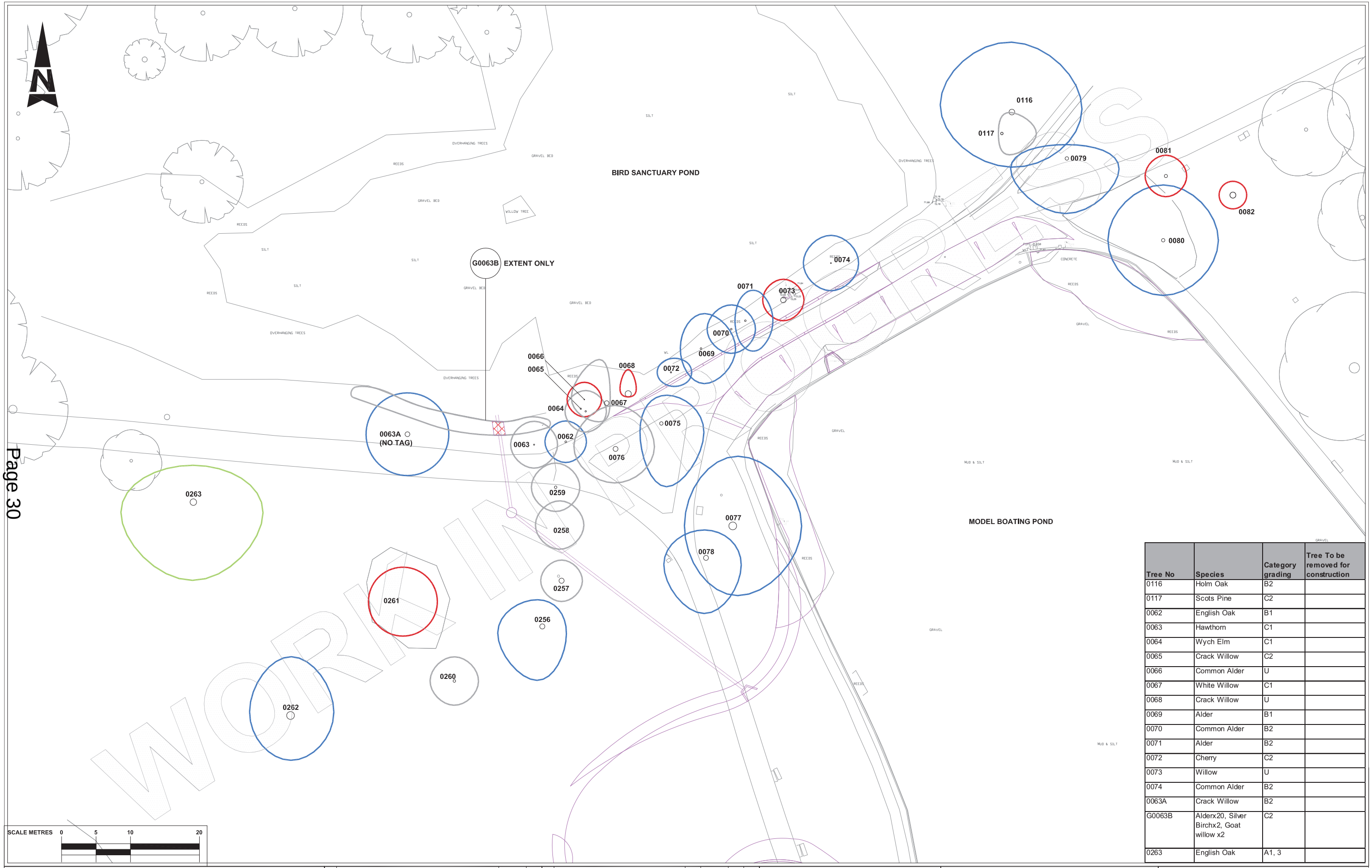
Client: City of London Corporation

Project: HAMPSTEAD HEATH PONDS PROJECT

Title: KENWOOD LADIE'S BATHING POND TREE PROTECTION PLANS

Sheet Size	Original Scale	Designed/Drawn	Checked	Authorised
A1	1:250@A1 1:500@A3	NP Date 07.05.14	JH Date 07.05.14	TD Date 07.05.14

Status	Drawing Number	Rev
P	5117039-ATK-P2-ZZ-DR-Y-2000	P1



Tree No	Species	Category grading	Tree To be removed for construction
0116	Holm Oak	B2	
0117	Scots Pine	C2	
0062	English Oak	B1	
0063	Hawthorn	C1	
0064	Wych Elm	C1	
0065	Crack Willow	C2	
0066	Common Alder	U	
0067	White Willow	C1	
0068	Crack Willow	U	
0069	Alder	B1	
0070	Common Alder	B2	
0071	Alder	B2	
0072	Cherry	C2	
0073	Willow	U	
0074	Common Alder	B2	
0063A	Crack Willow	B2	
G0063B	Alderx20, Silver Birchx2, Goat willow x2	C2	
0263	English Oak	A1, 3	

TREE CONSTRAINTS KEY

*category according to BS5837

000 *CATEGORY A TREE + TREE REF.

000 *CATEGORY B TREE + TREE REF.

000 *CATEGORY C TREE + TREE REF.

000 *CATEGORY U TREE + TREE REF.

G1 TREE GROUP REFERENCE

W1 WOODLAND GROUP + GROUP REFERENCE. HATCH EXTENT INDICATE APPROX EDGE OF CANOPIES OF PERIMETER TREES (COLOUR OF BOUNDARY LINE RELATES TO TREE *CATEGORIES AS FOR INDIVIDUAL TREES AS SHOWN ABOVE)

ROOT PROTECTION AREA TO FOLLOW

WOODLAND GROUP TO BE REMOVED

PROPOSED SCHEME

TREE TO BE REMOVED OR TRANSLOCATED AS PART OF WORKS

Stat	Purpose of Issue	Date	Auth	Rev	Description	By	Date	Chk'd	Auth
P	'WORK IN PROGRESS' ISSUE TO PPSG	14/05/14	TD	P1	'WORK IN PROGRESS' ISSUE TO PPSG	NP	TBC	JH	TD

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Client: City of London Corporation

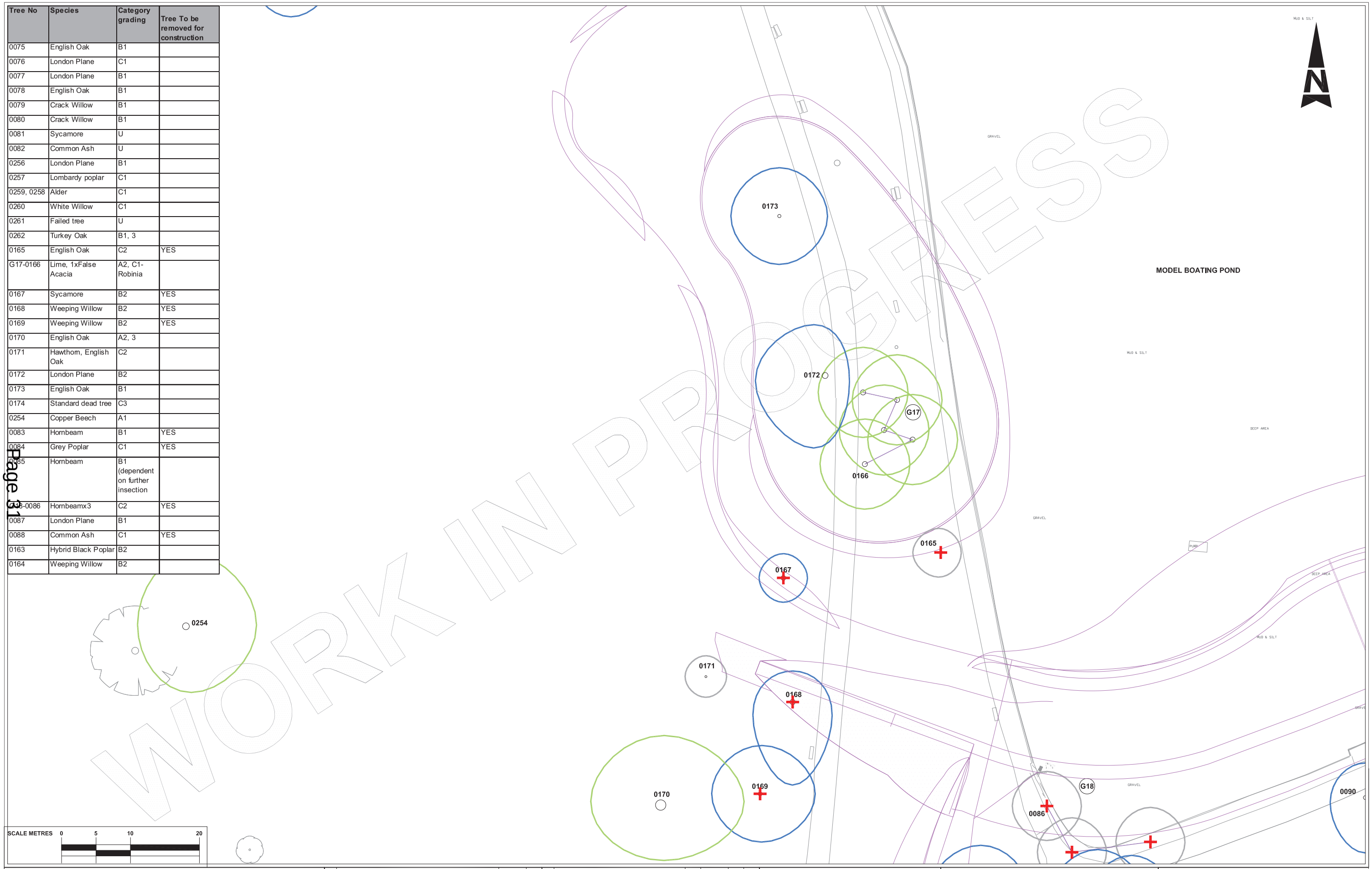
Project: HAMPSTEAD HEATH PONDS PROJECT

Title: BIRD SANCTUARY POND TREE PROTECTION PLANS

Sheet Size	Original Scale	Designed/Drawn	Checked	Authorised
A1	1:250@A1 1:500@A3	NP Date 07.05.14	JH Date 07.05.14	TD Date 07.05.14

Status	Drawing Number	Rev
P	5117039-ATK-P3-ZZ-DR-Y-2000	P1

Tree No	Species	Category grading	Tree To be removed for construction
0075	English Oak	B1	
0076	London Plane	C1	
0077	London Plane	B1	
0078	English Oak	B1	
0079	Crack Willow	B1	
0080	Crack Willow	B1	
0081	Sycamore	U	
0082	Common Ash	U	
0256	London Plane	B1	
0257	Lombardy poplar	C1	
0259, 0258	Alder	C1	
0260	White Willow	C1	
0261	Failed tree	U	
0262	Turkey Oak	B1, 3	
0165	English Oak	C2	YES
G17-0166	Lime, 1xFalse Acacia	A2, C1-Robinia	
0167	Sycamore	B2	YES
0168	Weeping Willow	B2	YES
0169	Weeping Willow	B2	YES
0170	English Oak	A2, 3	
0171	Hawthorn, English Oak	C2	
0172	London Plane	B2	
0173	English Oak	B1	
0174	Standard dead tree	C3	
0254	Copper Beech	A1	
0083	Hornbeam	B1	YES
0084	Grey Poplar	C1	YES
0085	Hornbeam	B1 (dependent on further insection	
G18-0086	Hornbeamx3	C2	YES
0087	London Plane	B1	
0088	Common Ash	C1	YES
0163	Hybrid Black Poplar	B2	
0164	Weeping Willow	B2	



TREE CONSTRAINTS KEY

*category according to BS5837

000 *CATEGORY A TREE + TREE REF.

000 *CATEGORY B TREE + TREE REF.

000 *CATEGORY C TREE + TREE REF.

000 *CATEGORY U TREE + TREE REF.

G1 TREE GROUP REFERENCE

W1 WOODLAND GROUP + GROUP REFERENCE. HATCH EXTENT INDICATE APPROX EDGE OF CANOPIES OF PERIMETER TREES (COLOUR OF BOUNDARY LINE RELATES TO TREE *CATEGORIES AS FOR INDIVIDUAL TREES AS SHOWN ABOVE)

ROOT PROTECTION AREA TO FOLLOW

WOODLAND GROUP TO BE REMOVED

PROPOSED SCHEME

TREE TO BE REMOVED OR TRANSLOCATED AS PART OF WORKS

Stat	Purpose of Issue	Date	Auth	Rev	Description	By	Date	Chk'd	Auth
P	'WORK IN PROGRESS' ISSUE TO PPSG	14/05/14	TD	P1	'WORK IN PROGRESS' ISSUE TO PPSG	NP	14/05/14	JH	TD

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Client: City of London Corporation

Project: HAMPSTEAD HEATH PONDS PROJECT

Title: MODEL BOATING POND TREE PROTECTION PLANS

Sheet Size	Original Scale	Designed/Drawn	Checked	Authorised
A1	1:250@A1 1:500@A3	NP Date 07.05.14	JH Date 07.05.14	TD Date 07.05.14

Status	Drawing Number	Rev
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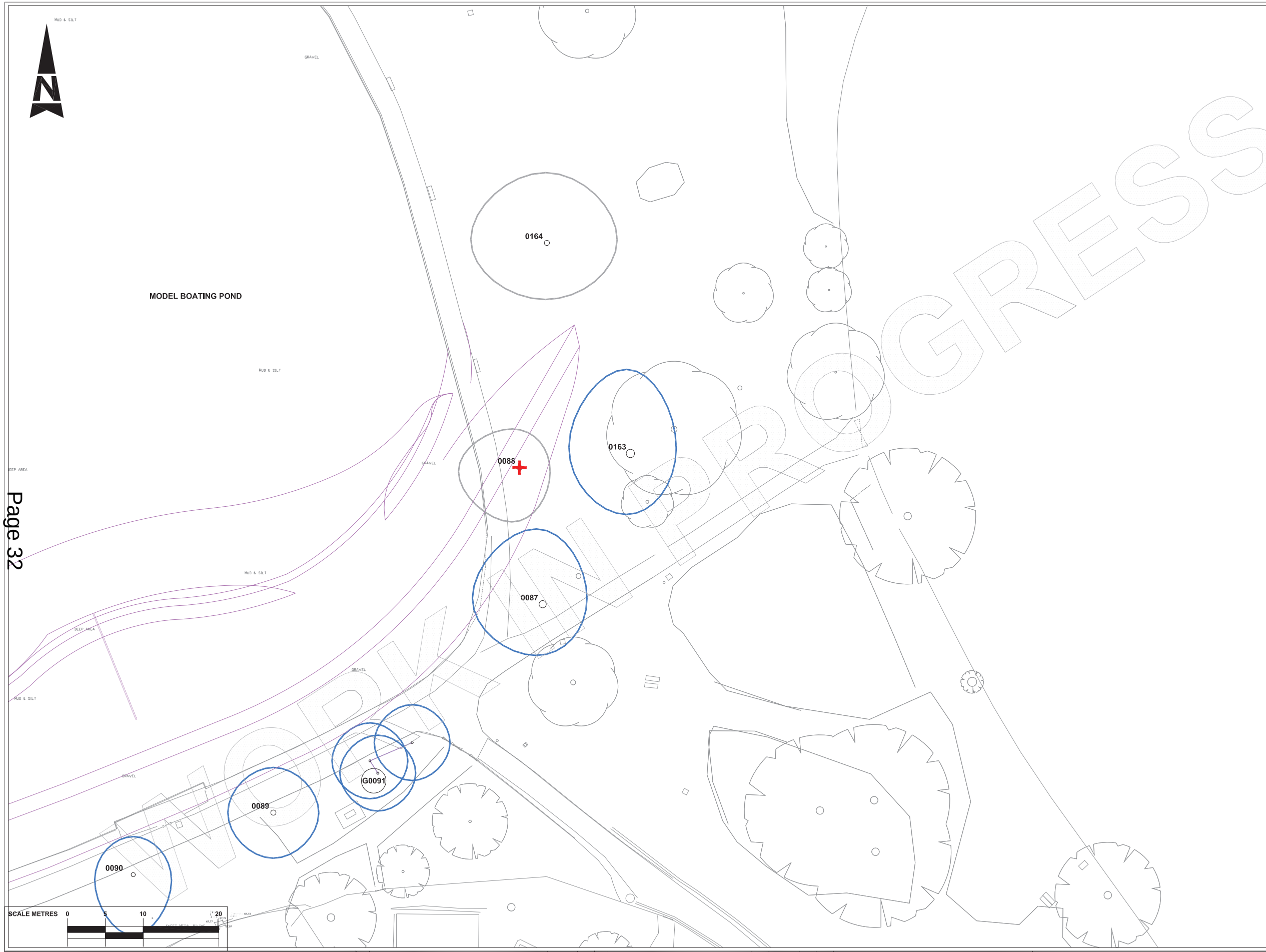

Tree No	Species	Category grading	Tree To be removed for construction
0075	English Oak	B1	
0076	London Plane	C1	
0077	London Plane	B1	
0078	English Oak	B1	
0079	Crack Willow	B1	
0080	Crack Willow	B1	
0081	Sycamore	U	
0082	Common Ash	U	
0256	London Plane	B1	
0257	Lombardy poplar	C1	
0259, 0258	Alder	C1	
0260	White Willow	C1	
0261	Failed tree	U	
0262	Turkey Oak	B1, 3	
0165	English Oak	C2	YES
G17-0166	Lime, 1xFalse Acacia	A2, C1-Robinia	
0167	Sycamore	B2	YES
0168	Weeping Willow	B2	YES
0169	Weeping Willow	B2	YES
0170	English Oak	A2, 3	
0171	Hawthorn, English Oak	C2	
0172	London Plane	B2	
0173	English Oak	B1	
0174	Standard dead tree	C3	
0254	Copper Beech	A1	
0083	Hornbeam	B1	YES
0084	Grey Poplar	C1	YES
0085	Hornbeam	B1 (dependent on further insection	
G18-0086	Hornbeamx3	C2	YES
0087	London Plane	B1	
0088	Common Ash	C1	YES
0163	Hybrid Black Poplar	B2	
0164	Weeping Willow	B2	

TREE CONSTRAINTS KEY

000 *CATEGORY A TREE + TREE REF.

000 *CATEGORY B TREE + TREE REF.

000 *CATEGORY C TREE + TREE REF.

000 *CATEGORY U TREE + TREE REF.

*category according to BS5837

G1 TREE GROUP REFERENCE

W1 WOODLAND GROUP + GROUP REFERENCE. HATCH EXTENT INDICATE APPROX EDGE OF CANOPIES OF PERIMETER TREES (COLOUR OF BOUNDARY LINE RELATES TO TREE *CATEGORIES AS FOR INDIVIDUAL TREES AS SHOWN ABOVE)

ROOT PROTECTION AREA TO FOLLOW

WOODLAND GROUP TO BE REMOVED

PROPOSED SCHEME

TREE TO BE REMOVED OR TRANSLOCATED AS PART OF WORKS

Stat	Purpose of Issue	Date	Auth	Rev	Description	By	Date	Chk'd	Auth
P	'WORK IN PROGRESS' ISSUE TO PPSG	14/05/14	TD	P1	'WORK IN PROGRESS' ISSUE TO PPSG	NP	14/05/14	JH	TD

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Project
HAMPSTEAD HEATH
FLOOD AND WATER QUALITY MANAGEMENT

Title
MODEL BOATING POND
TREE PROTECTION PLANS

Sheet Size	Original Scale	Designed/Drawn	Checked	Authorised
A1	1:250@A1 1:500@A3	NP Date 07.05.14	JH Date 07.05.14	TD Date 07.05.14

Status	Drawing Number	Rev
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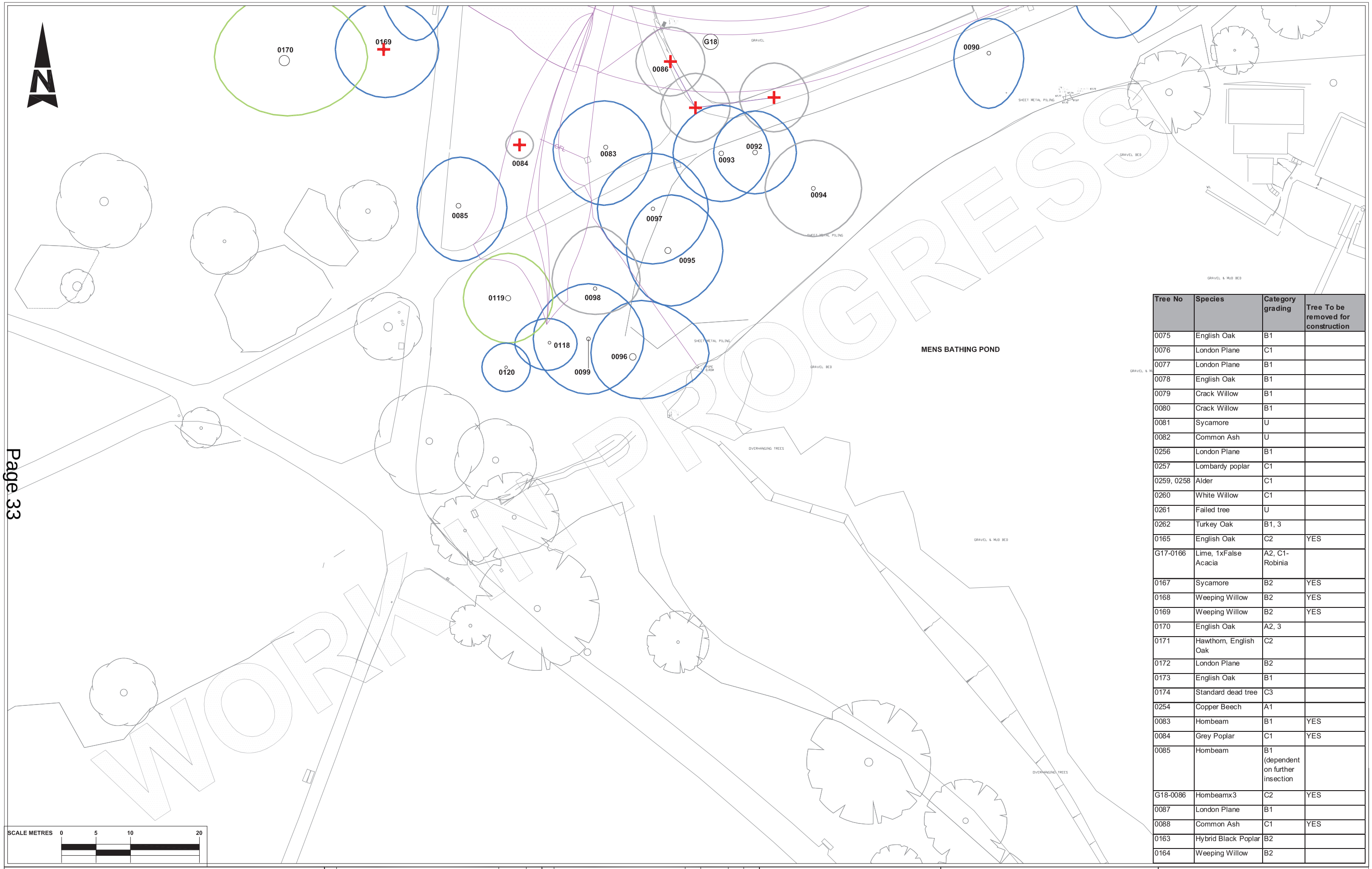

Tree No	Species	Category grading	Tree To be removed for construction
0075	English Oak	B1	
0076	London Plane	C1	
0077	London Plane	B1	
0078	English Oak	B1	
0079	Crack Willow	B1	
0080	Crack Willow	B1	
0081	Sycamore	U	
0082	Common Ash	U	
0256	London Plane	B1	
0257	Lombardy poplar	C1	
0259, 0258	Alder	C1	
0260	White Willow	C1	
0261	Failed tree	U	
0262	Turkey Oak	B1, 3	
0165	English Oak	C2	YES
G17-0166	Lime, 1xFalse Acacia	A2, C1-Robinia	
0167	Sycamore	B2	YES
0168	Weeping Willow	B2	YES
0169	Weeping Willow	B2	YES
0170	English Oak	A2, 3	
0171	Hawthorn, English Oak	C2	
0172	London Plane	B2	
0173	English Oak	B1	
0174	Standard dead tree	C3	
0254	Copper Beech	A1	
0083	Hombeam	B1	YES
0084	Grey Poplar	C1	YES
0085	Hombeam	B1 (dependent on further insection	
G18-0086	Hombeamx3	C2	YES
0087	London Plane	B1	
0088	Common Ash	C1	YES
0163	Hybrid Black Poplar	B2	
0164	Weeping Willow	B2	

TREE CONSTRAINTS KEY

*category according to BS5837

000 *CATEGORY A TREE + TREE REF.

000 *CATEGORY B TREE + TREE REF.

000 *CATEGORY C TREE + TREE REF.

000 *CATEGORY U TREE + TREE REF.

G1 TREE GROUP REFERENCE

W1 WOODLAND GROUP + GROUP REFERENCE. HATCH EXTENT INDICATE APPROX EDGE OF CANOPIES OF PERIMETER TREES (COLOUR OF BOUNDARY LINE RELATES TO TREE *CATEGORIES AS FOR INDIVIDUAL TREES AS SHOWN ABOVE)

ROOT PROTECTION AREA TO FOLLOW

WOODLAND GROUP TO BE REMOVED

PROPOSED SCHEME

TREE TO BE REMOVED OR TRANSLOCATED AS PART OF WORKS

Stat	Purpose of Issue	Date	Auth	Rev	Description	By	Date	Chk'd	Auth
P	'WORK IN PROGRESS' ISSUE TO PPSG	14/05/14	TD	P1	'WORK IN PROGRESS' ISSUE TO PPSG	NP	14/05/14	JH	TD

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Client: City of London Corporation

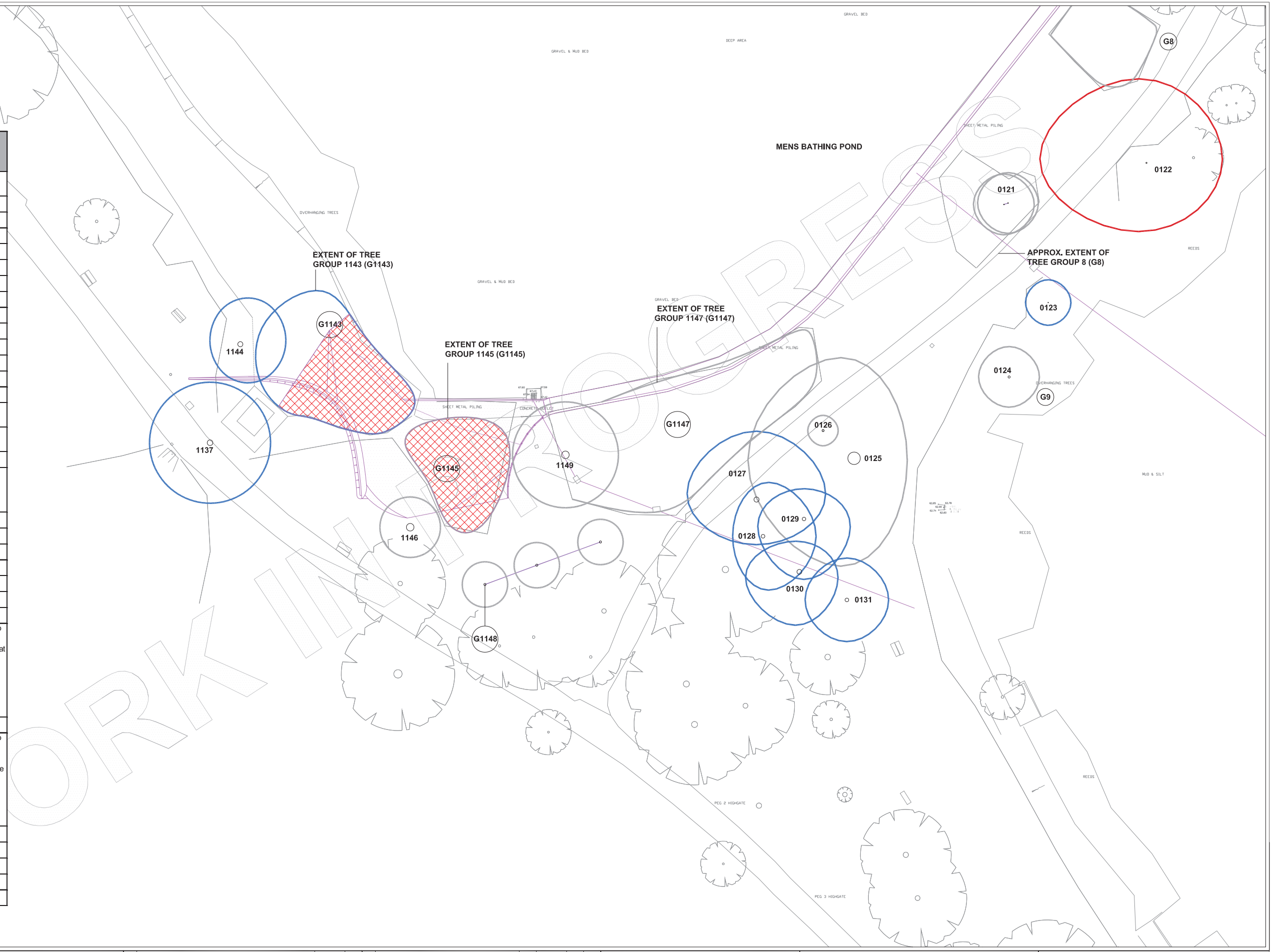
Project: HAMPSTEAD HEATH PONDS PROJECT

Title: MODEL BOATING POND TREE PROTECTION PLANS

Sheet Size	Original Scale	Designed/Drawn	Checked	Authorised
A1	1:250@A1 1:500@A3	NP Date 07.05.14	JH Date 07.05.14	TD Date 07.05.14

Status	Drawing Number	Rev
P	5117039-ATK-P4-ZZ-DR-Y-2002	P1

Tree No	Species	Category grading	Tree To be removed for construction
G0091	Sycamore, Common Ash	B2	
0089	Sycamore	B1	
0090	English Oak	B1	
0092	Hornbeam	B2	
0093	Hornbeam	B1	
0094	Hornbeam	C2	
0095	Hornbeam	B1	
0096	English Oak	B1	
0097	Hornbeam	B2	
0098	Hornbeam	C1	
0099	Hornbeam	B2	
0118	Hornbeam	B2	
0119	Hornbeam	A2	
0120	Alder	B2	
G8-0121	Blackthorn, Hawthorn	C2	
0122	Black hybrid poplar	U	
0123	Elm	B1	
G9-0124	Hybrid Black poplar, Hawthorn, Common Ash, Apple, Elm	C2	
0125	Hybrid Black Poplar	C2	
0126	Hawthorn	C2	
0127	Hornbeam	B2	
0128	Hornbeam	B2	
0129	Hornbeam	B2	
0130	Hornbeam	B2	
0131	Lime	B2	
G1143	Ash, Hawthorn, Blackthorn	C2	Part of G1143 to be felled - Approx. 5 BS Cat C trees to be felled, mix of Hawthorn, Blackthorn and Ash.
1144	Common Ash	C2	
G1145	Hawthorn, Cherry, Blacthorn	C2	Part of G1145 to be felled - Approx. 10 BS Cat C trees to be felled, mix of Hawthorn, Blackthorn and Cherry.
1146	Crack Willow	C3	
G1147	Cherry, Blackthorn	C2	
G1148	Willow x5	C2	
1149	Crack Willow	C1	
1137	English Oak	B1	



SCALE METRES 0 5 10 20

TREE CONSTRAINTS KEY

*category according to BS5837

000 *CATEGORY A TREE + TREE REF.

000 *CATEGORY B TREE + TREE REF.

000 *CATEGORY C TREE + TREE REF.

000 *CATEGORY U TREE + TREE REF.

G1 TREE GROUP REFERENCE

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ROOT PROTECTION AREA TO FOLLOW

WOODLAND GROUP TO BE REMOVED

PROPOSED SCHEME

TREE TO BE REMOVED OR TRANSLOCATED AS PART OF WORKS

Stat	Purpose of Issue	Date	Auth	Rev	Description	By	Date	Chk'd	Auth
P	'WORK IN PROGRESS' ISSUE TO PPSG	14/05/14	TD	P1	'WORK IN PROGRESS' ISSUE TO PPSG	NP	14/05/14	JH	TD

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Project: HAMPSTEAD HEATH PONDS PROJECT

Title: HIGHGATE MENS' BATHING POND TREE PROTECTION PLANS

Sheet Size	Original Scale	Designed/Drawn	Checked	Authorised
A1	1:250@A1 1:500@A3	NP Date 07.05.14	JH Date 07.05.14	TD Date 07.05.14

Status	Drawing Number	Rev
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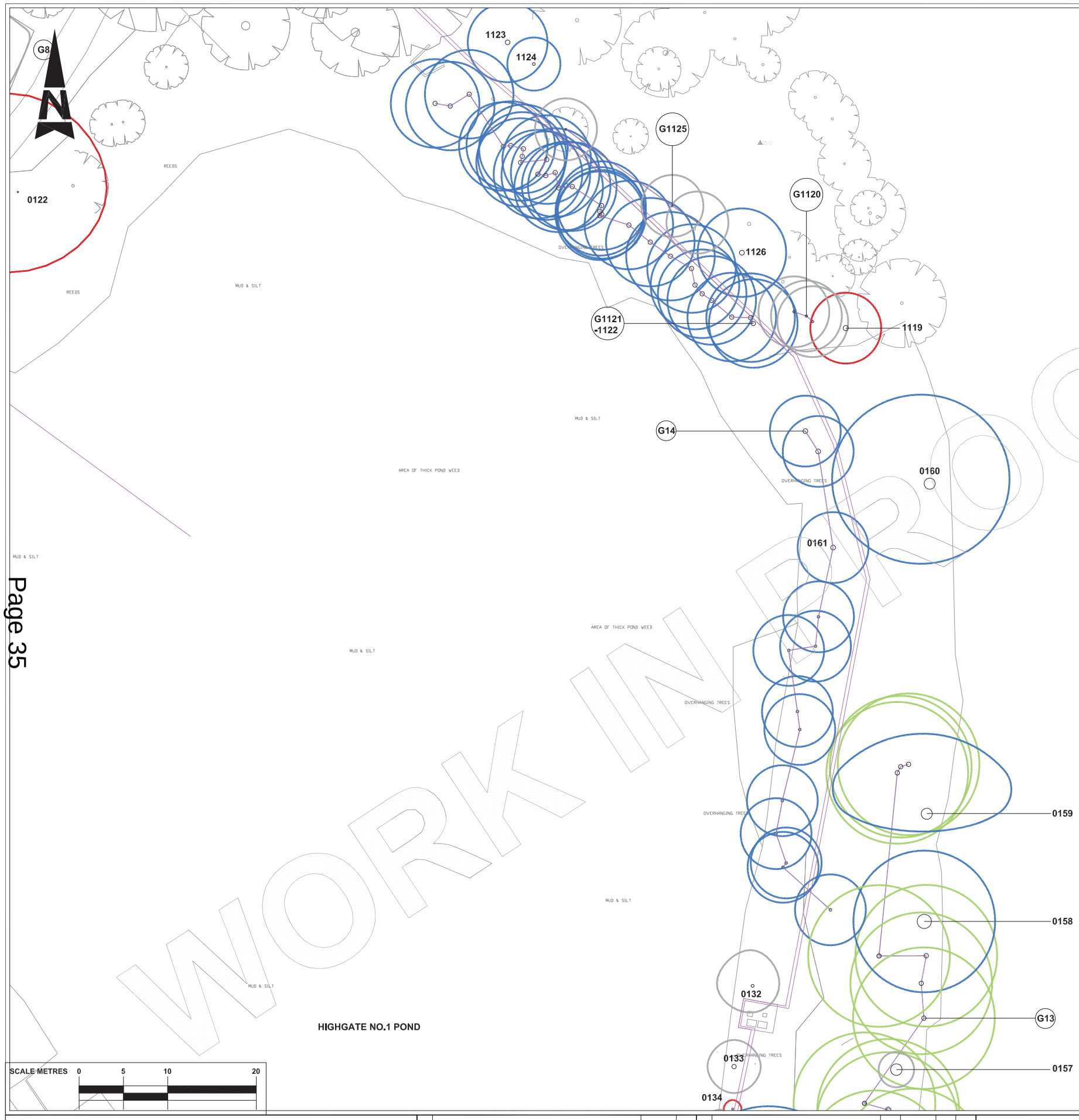

WORK IN PROGRESS

Tree No	Species	Category grading	Tree To be removed for construction
G0091	Sycamore, Common Ash	B2	
0089	Sycamore	B1	
0090	English Oak	B1	
0092	Hornbeam	B2	
0093	Hornbeam	B1	
0094	Hornbeam	C2	
0095	Hornbeam	B1	
0096	English Oak	B1	
0097	Hornbeam	B2	
0098	Hornbeam	C1	
0099	Hornbeam	B2	
0118	Hornbeam	B2	
0119	Hornbeam	A2	
0120	Alder	B2	
G8-0121	Blackthorn, Hawthorn	C2	
0122	Black hybrid poplar	U	
0123	Elm	B1	
G9-0124	Hybrid Black poplar, Hawthorn, Common Ash, Apple, Elm	C2	
0125	Hybrid Black Poplar	C2	
0126	Hawthorn	C2	
0127	Hornbeam	B2	
0128	Hornbeam	B2	
0129	Hornbeam	B2	
0130	Hornbeam	B2	
0131	Lime	B2	
G1143	Ash, Hawthorn, Blackthorn	C2	Part of G1143 to be felled - Approx. 5 BS Cat C trees to be felled, mix of Hawthorn, Blackthorn and Ash.
1144	Common Ash	C2	
G1145	Hawthorn, Cherry, Blacthorn	C2	Part of G1145 to be felled - Approx. 10 BS Cat C trees to be felled, mix of Hawthorn, Blackthorn and Cherry.
1146	Crack Willow	C3	
G1147	Cherry, Blackthorn	C2	
G1148	Willow x5	C2	
1149	Crack Willow	C1	
1137	English Oak	B1	

TREE CONSTRAINTS KEY

*category according to BS5837

000 *CATEGORY A TREE + TREE REF.

000 *CATEGORY B TREE + TREE REF.

000 *CATEGORY C TREE + TREE REF.

000 *CATEGORY U TREE + TREE REF.

G1 TREE GROUP REFERENCE

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ROOT PROTECTION AREA TO FOLLOW

WOODLAND GROUP TO BE REMOVED

PROPOSED SCHEME

TREE TO BE REMOVED OR TRANSLOCATED AS PART OF WORKS

Stat	Purpose of Issue	Date	Auth	Rev	Description	By	Date	Chk'd	Auth
P	'WORK IN PROGRESS' ISSUE TO PPSG	14/05/1	TD	A	'WORK IN PROGRESS' ISSUE TO PPSG	NP	14/05/14	JH	TD

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Project: HAMPSTEAD HEATH PONDS PROJECT

Title: HIGHGATE MENS' BATHING POND TREE PROTECTION PLANS

Sheet Size	Original Scale	Designed/Drawn	Checked	Authorised
A1	1:250@A1 1:500@A3	NP Date 07.05.14	JH Date 07.05.14	TD Date 07.05.14

Status	Drawing Number	Rev
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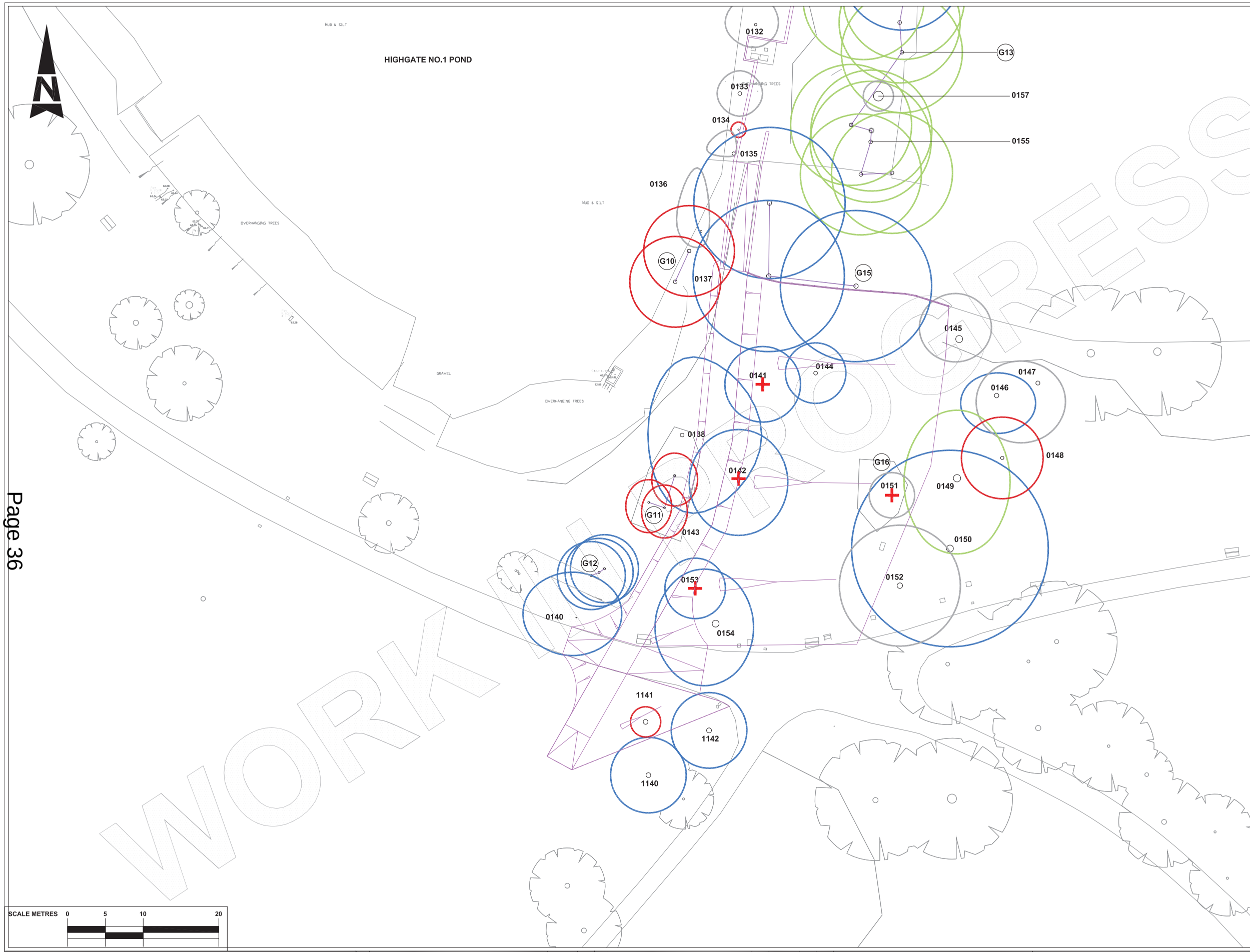

Tree No	Species	Category grading	Tree To be removed for construction
0132	Sycamore	C2	TBC
0133	Common Ash, Hawthorn	C2	TBC
0134	Common Ash	U	
0135	Common Ash	C2	TBC
0136	Crack Willow	C2	
G10-0137	Crack Willow	U	
0138	Common Ash	B2	
G12-0139	Hawthorn	B2	
0140	English Oak	B2	
0141	Alder	B2	YES
0142	Lime	B2	YES
G11-0143	Hawthornx2, Elderx1	U	
0144	Alder	B1	
0145	Common Ash	C1	
0146	English Oak	B2	
0147	Common Ash	C2	
0148	Common Assh	U	
0149	English Oak	A1	
0150	Common Ash	B2	
G16-0151	Hawthornx1, Ashx1, Elderx2	C2	Tree 0151 to be felled.
0152	Common Ash	C2	
0153	Lime	B2	YES
0154	Horse Chestnut	B2	
G13-0155, 0156	Common Ash, Sycamore, Yew, Elm, Hawthorn,	A2/3	
0157	Common Ash	C2, 3	
G15-0162	Common Ash, English oak, Laurel, Cherry	B2/3	Part of G1143 to be felled - Approx. 5 BS Cat C trees to be felled, mix of Hawthorn, Blackthorn and Ash.
1140	Lime	B2	
1141	Common Ash	U	
1142	Horse Chestnut	B2	
0158	English Oak	B2	
0159	Sycamore	B2	
0160	English Oak	B2, 3	
G14-0161	Sycamore, Alder, Elm, Hawthorn	B2/3	TBC
1119	Sycamore	U	
G1120	Sycamore	C2	
G1121-1122	Sycamore	B2	TBC
1123	Yew	B1	
1124	Yew	B2	
G1125	Elmx3	C1	
1126	Sycamore	B2	

TREE CONSTRAINTS KEY

category according to BS5837

000 *CATEGORY A TREE + TREE REF.

000 *CATEGORY B TREE + TREE REF.

000 *CATEGORY C TREE + TREE REF.

000 *CATEGORY U TREE + TREE REF.

G1 TREE GROUP REFERENCE

W1 WOODLAND GROUP + GROUP REFERENCE. HATCH EXTENT INDICATE APPROX EDGE OF CANOPIES OF PERIMETER TREES (COLOUR OF BOUNDARY LINE RELATES TO TREE *CATEGORIES AS FOR INDIVIDUAL TREES AS SHOWN ABOVE)

ROOT PROTECTION AREA TO FOLLOW

WOODLAND GROUP TO BE REMOVED

PROPOSED SCHEME

TREE TO BE REMOVED OR TRANSLOCATED AS PART OF WORKS

Stat	Purpose of Issue	Date	Auth	Rev	Description	By	Date	Chk'd	Auth
P	'WORK IN PROGRESS' ISSUE TO PPSG	14/05/14		P1	'WORK IN PROGRESS' ISSUE TO PPSG	NP	14/05/14	JH	TD

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Project: HAMPSTEAD HEATH PONDS PROJECT

Title: HIGHGATE NO.1 POND TREE PROTECTION DRAWINGS

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A1	1:250@A1 1:500@A3	NP Date 07.05.14	JH Date 07.05.14	TD Date 07.05.14

Status	Drawing Number	Rev
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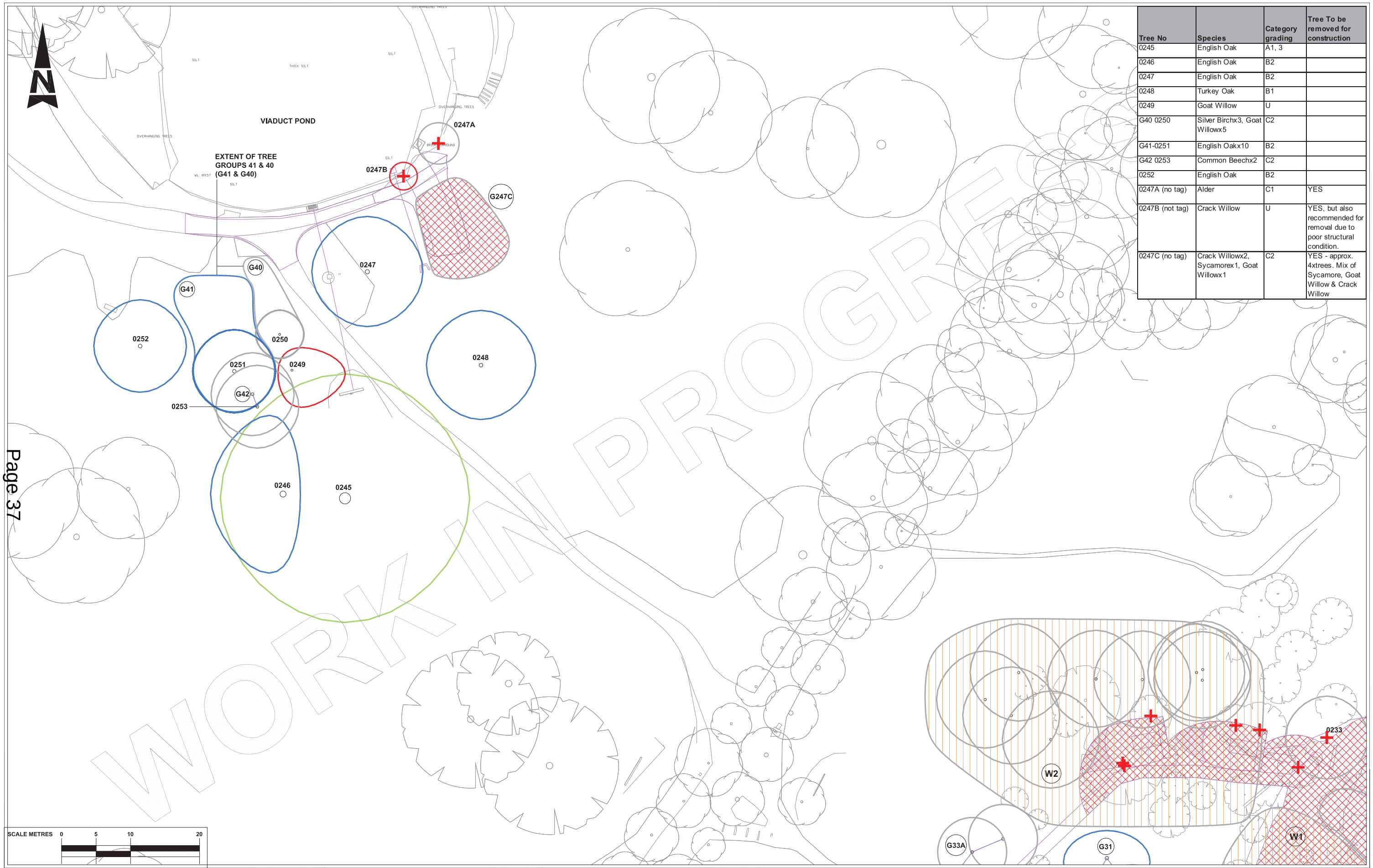

Tree No	Species	Category grading	Tree To be removed for construction
0245	English Oak	A1, 3	
0246	English Oak	B2	
0247	English Oak	B2	
0248	Turkey Oak	B1	
0249	Goat Willow	U	
G40 0250	Silver Birchx3, Goat Willowx5	C2	
G41-0251	English Oakx10	B2	
G42 0253	Common Beechx2	C2	
0252	English Oak	B2	
0247A (no tag)	Alder	C1	YES
0247B (not tag)	Crack Willow	U	YES, but also recommended for removal due to poor structural condition.
0247C (no tag)	Crack Willowx2, Sycamorex1, Goat Willowx1	C2	YES - approx. 4xtrees. Mix of Sycamore, Goat Willow & Crack Willow

TREE CONSTRAINTS KEY

*category according to BS5837

000 *CATEGORY A TREE + TREE REF.

000 *CATEGORY B TREE + TREE REF.

000 *CATEGORY C TREE + TREE REF.

000 *CATEGORY U TREE + TREE REF.

G1 TREE GROUP REFERENCE

W1 WOODLAND GROUP + GROUP REFERENCE. HATCH EXTENT INDICATE APPROX EDGE OF CANOPIES OF PERIMETER TREES (COLOUR OF BOUNDARY LINE RELATES TO TREE *CATEGORIES AS FOR INDIVIDUAL TREES AS SHOWN ABOVE)

ROOT PROTECTION AREA TO FOLLOW

WOODLAND GROUP TO BE REMOVED

PROPOSED SCHEME

TREE TO BE REMOVED OR TRANSLOCATED AS PART OF WORKS

Stat	Purpose of Issue	Date	Auth	Rev	Description	By	Date	Chk'd	Auth
P	'WORK IN PROGRESS' ISSUE TO PPSG	14/05/14	TD	P1	'WORK IN PROGRESS' ISSUE TO PPSG	NP	TBC	JH	TD

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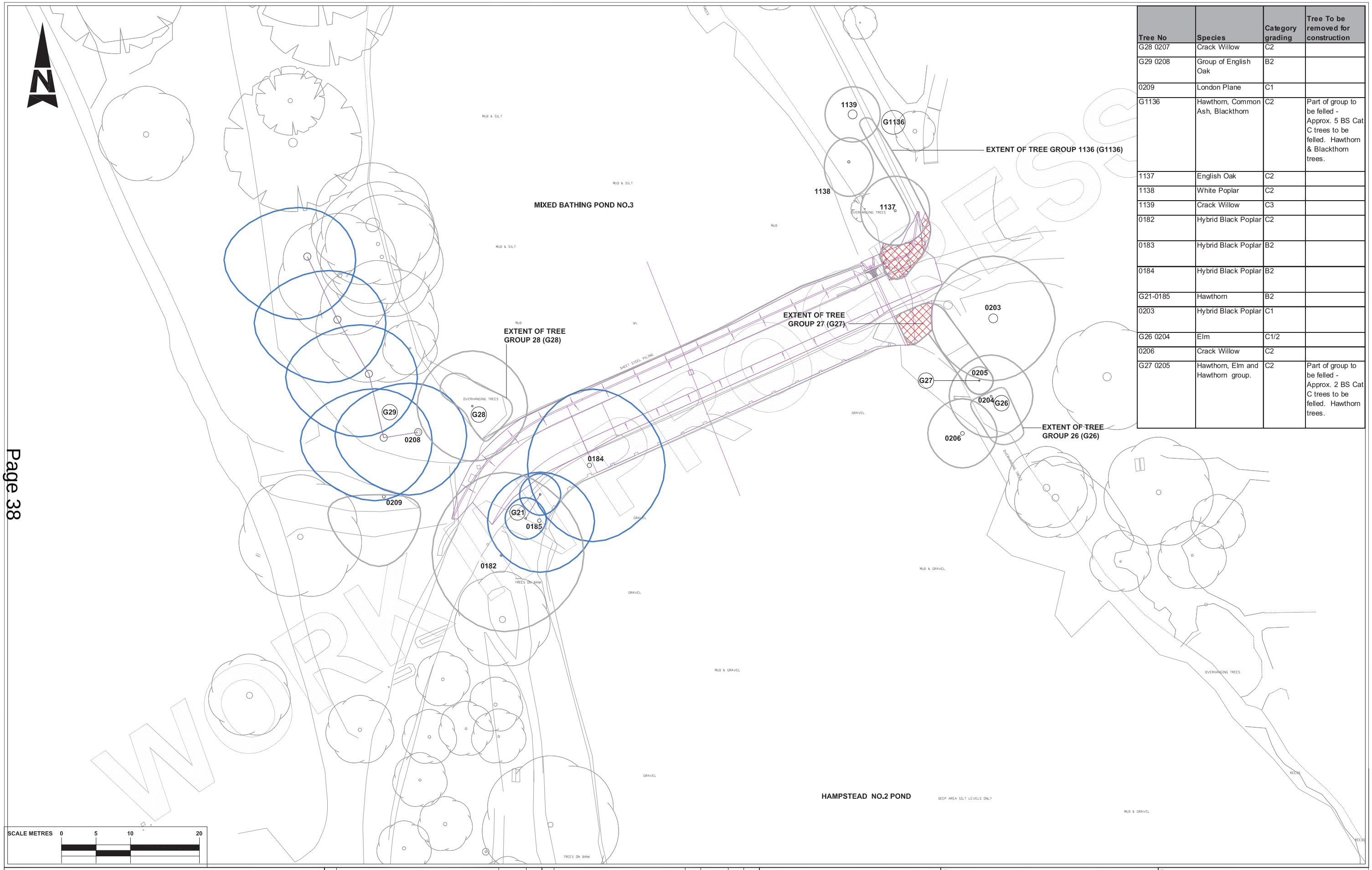
Project: HAMPSTEAD HEATH PONDS PROJECT

Title: VIADUCT POND TREE PROTECTION PLANS

Sheet Size	Original Scale	Designed/Drawn	Checked	Authorised
A1	1:250@A1 1:500@A3	NP Date 07.05.14	JH Date 07.05.14	TD Date 07.05.14

Status	Drawing Number	Rev
P	5117039-ATK-P7-ZZ-DR-Y-2000	P1



Tree No	Species	Category grading	Tree To be removed for construction
G28 0207	Crack Willow	C2	
G29 0208	Group of English Oak	B2	
0209	London Plane	C1	
G1136	Hawthorn, Common Ash, Blackthorn	C2	Part of group to be felled - Approx. 5 BS Cat C trees to be felled. Hawthorn & Blackthorn trees.
1137	English Oak	C2	
1138	White Poplar	C2	
1139	Crack Willow	C3	
0182	Hybrid Black Poplar	C2	
0183	Hybrid Black Poplar	B2	
0184	Hybrid Black Poplar	B2	
G21-0185	Hawthorn	B2	
0203	Hybrid Black Poplar	C1	
G26 0204	Elm	C1/2	
0206	Crack Willow	C2	
G27 0205	Hawthorn, Elm and Hawthorn group.	C2	Part of group to be felled - Approx. 2 BS Cat C trees to be felled. Hawthorn trees.

SCALE METRES 0 5 10 20

TREE CONSTRAINTS KEY

*category according to BS5837

000 *CATEGORY A TREE + TREE REF.

000 *CATEGORY B TREE + TREE REF.

000 *CATEGORY C TREE + TREE REF.

000 *CATEGORY U TREE + TREE REF.

G1 TREE GROUP REFERENCE

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ROOT PROTECTION AREA TO FOLLOW

WOODLAND GROUP TO BE REMOVED

PROPOSED SCHEME

TREE TO BE REMOVED OR TRANSLOCATED AS PART OF WORKS

Stat	Purpose of Issue	Date	Auth
P	'WORK IN PROGRESS' ISSUE TO PPSG	14/05/14	TD

Rev	Description	By	Date	Chk'd	Auth
P1	'WORK IN PROGRESS' ISSUE TO PPSG	NP	14/05/14	JH	TD

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Project: HAMPSTEAD HEATH PONDS PROJECT

Title: MIXED BATHING POND TREE PROTECTION PLANS

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A1	1:250@A1 1:500@A3	NP Date 07.05.14	JH Date 07.05.14	TD Date 07.05.14

Status	Drawing Number	Rev
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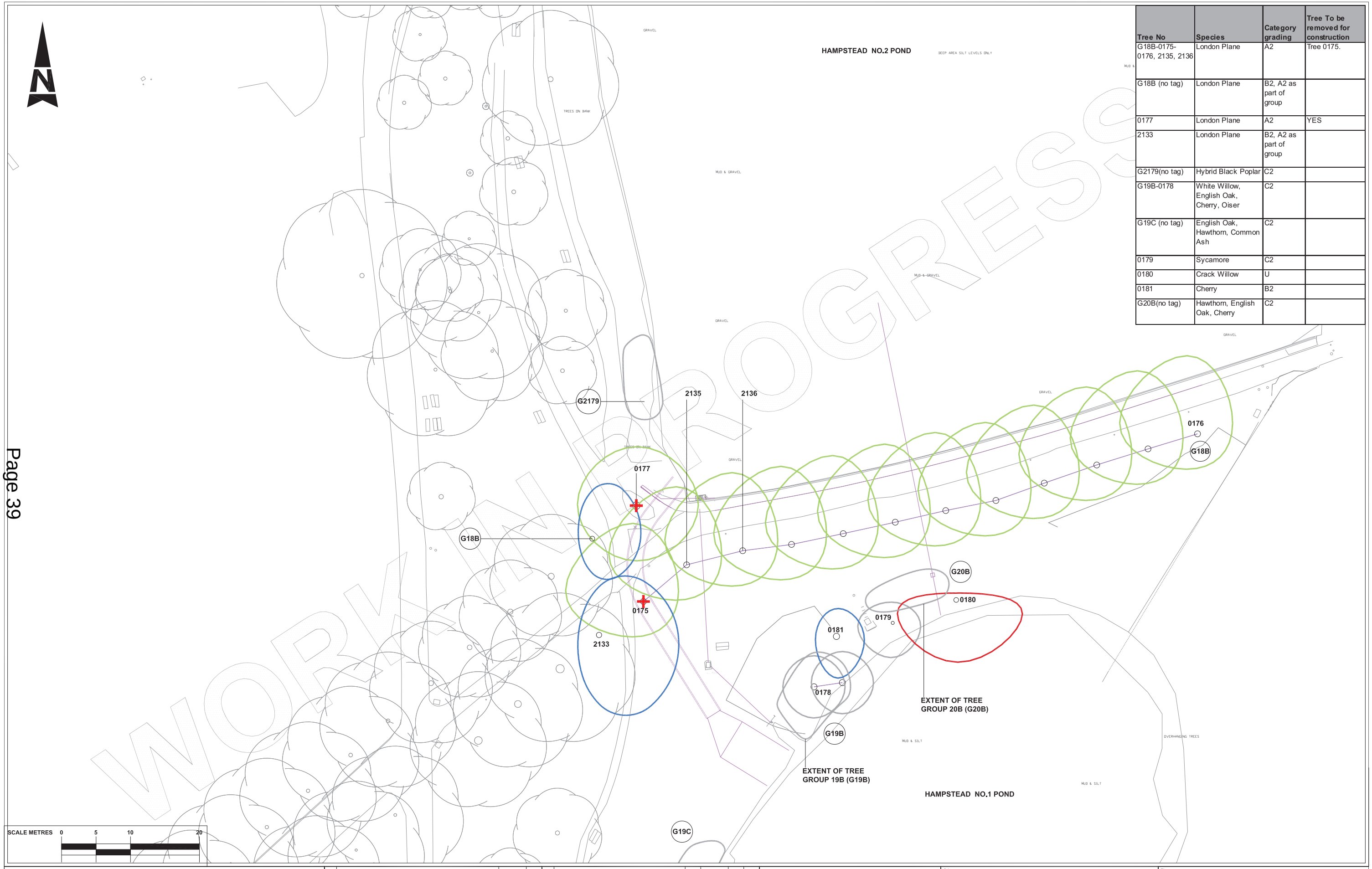

Tree No	Species	Category grading	Tree To be removed for construction
G18B-0175-0176, 2135, 2136	London Plane	A2	Tree 0175.
G18B (no tag)	London Plane	B2, A2 as part of group	
0177	London Plane	A2	YES
2133	London Plane	B2, A2 as part of group	
G2179(no tag)	Hybrid Black Poplar	C2	
G19B-0178	White Willow, English Oak, Cherry, Oiser	C2	
G19C (no tag)	English Oak, Hawthorn, Common Ash	C2	
0179	Sycamore	C2	
0180	Crack Willow	U	
0181	Cherry	B2	
G20B(no tag)	Hawthorn, English Oak, Cherry	C2	

TREE CONSTRAINTS KEY

category according to BS5837

000 *CATEGORY A TREE + TREE REF.

000 *CATEGORY B TREE + TREE REF.

000 *CATEGORY C TREE + TREE REF.

000 *CATEGORY U TREE + TREE REF.

G1 TREE GROUP REFERENCE

W1 WOODLAND GROUP + GROUP REFERENCE. HATCH EXTENT INDICATE APPROX EDGE OF CANOPIES OF PERIMETER TREES (COLOUR OF BOUNDARY LINE RELATES TO TREE *CATEGORIES AS FOR INDIVIDUAL TREES AS SHOWN ABOVE)

ROOT PROTECTION AREA TO FOLLOW

WOODLAND GROUP TO BE REMOVED

PROPOSED SCHEME

TREE TO BE REMOVED OR TRANSLOCATED AS PART OF WORKS

Stat	Purpose of Issue	Date	Auth	Rev	Description	By	Date	Chk'd	Auth
P	'WORK IN PROGRESS' ISSUE TO PPSG	14/05/14	TD	A	'WORK IN PROGRESS' ISSUE TO PPSG	NP	TBC	JH	TD

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Project: HAMPSTEAD HEATH PONDS PROJECT

Title: HAMPSTEAD NO.2 POND TREE PROTECTION PLANS

Sheet Size	Original Scale	Designed/Drawn	Checked	Authorised
A1	1:250@A1 1:500@A3	NP Date 07.05.14	JH Date 07.05.14	TD Date 07.05.14

Status	Drawing Number	Rev
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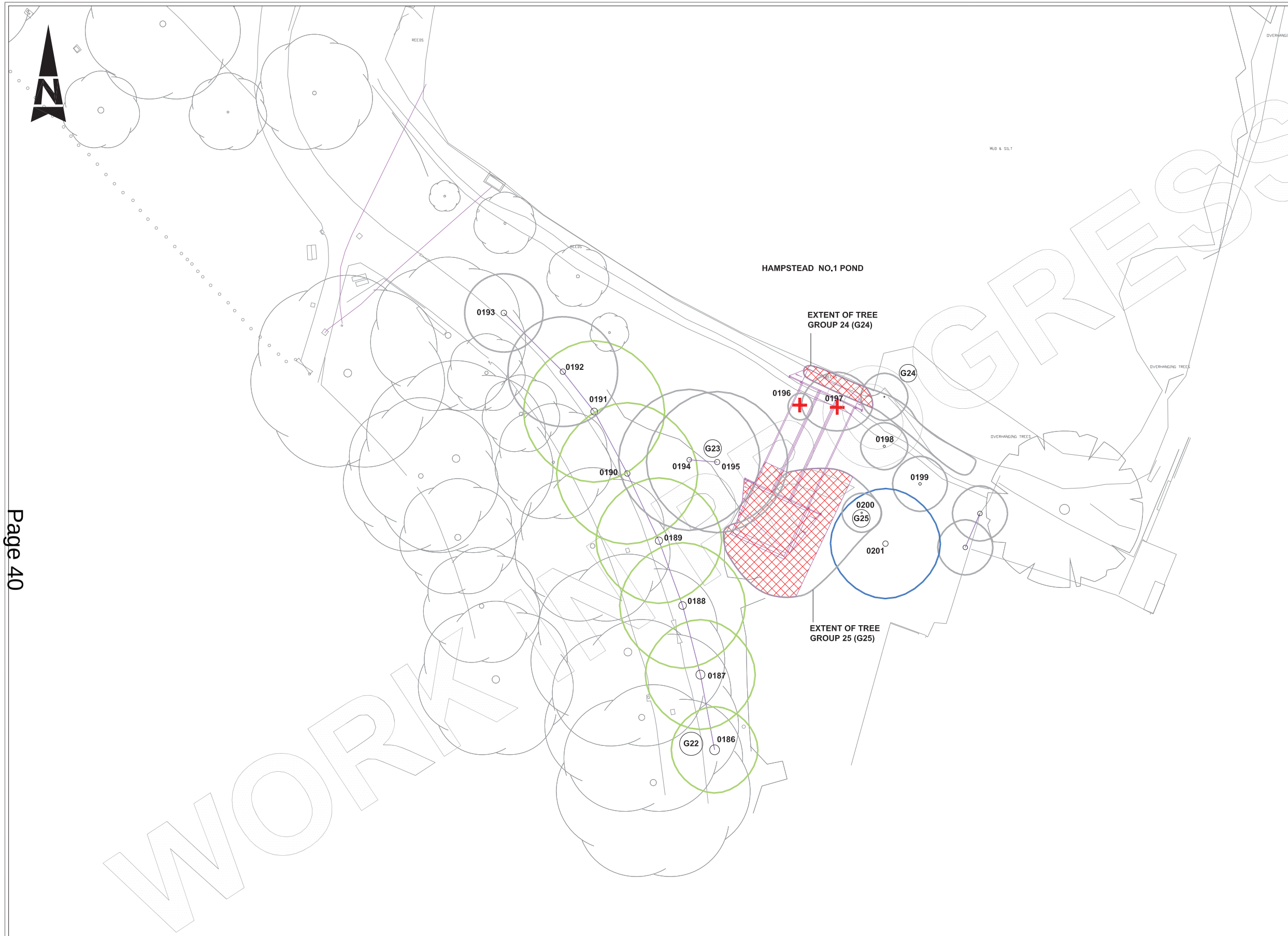

Tree No	Species	Category grading	Tree To be removed for construction
G22-0186	London Plane	A2	
G22-0187	London Plane	A2	
G22-0188	London Plane	A2	
G22-0189	London Plane	A2	
G22-0190	London Plane	A2	
G22-0191	London Plane	A2	
G22-0192	London Plane	C2	
G22-0193	London Plane	C2	
G23 0194 0195	Common Ash	C2	
0196	Common Ash	U3	YES
0197	Cherry	C2	YES
0198	Hawthorn	C2	
0199	Hawthorn	C2	
G24 0202	Cherry, Hawthorn, Silver Birch, Common Ash	C2	Part of group to be felled - Approx. 1 BS Cat C Hawthorn to be felled
G25 0200	Hawthorn, Cherry and Sycamore group.	C2	Part of group to be felled - Approx. 3 BS Cat C trees to be felled. Mix of Hawthorn and Cherry
0201	Sycamore	B2	

SCALE METRES 0 5 10 20

TREE CONSTRAINTS KEY

*category according to BS5837

000 *CATEGORY A TREE + TREE REF.

000 *CATEGORY B TREE + TREE REF.

000 *CATEGORY C TREE + TREE REF.

000 *CATEGORY U TREE + TREE REF.

G1 TREE GROUP REFERENCE

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ROOT PROTECTION AREA TO FOLLOW

WOODLAND GROUP TO BE REMOVED

PROPOSED SCHEME

TREE TO BE REMOVED OR TRANSLOCATED AS PART OF WORKS

Stat	Purpose of Issue	Date	Auth	Rev	Description	By	Date	Chk'd	Auth
P	'WORK IN PROGRESS' ISSUE TO PPSG	14/05/14	TD	A	'WORK IN PROGRESS' ISSUE TO PPSG	NP	14/05/14	JH	TD

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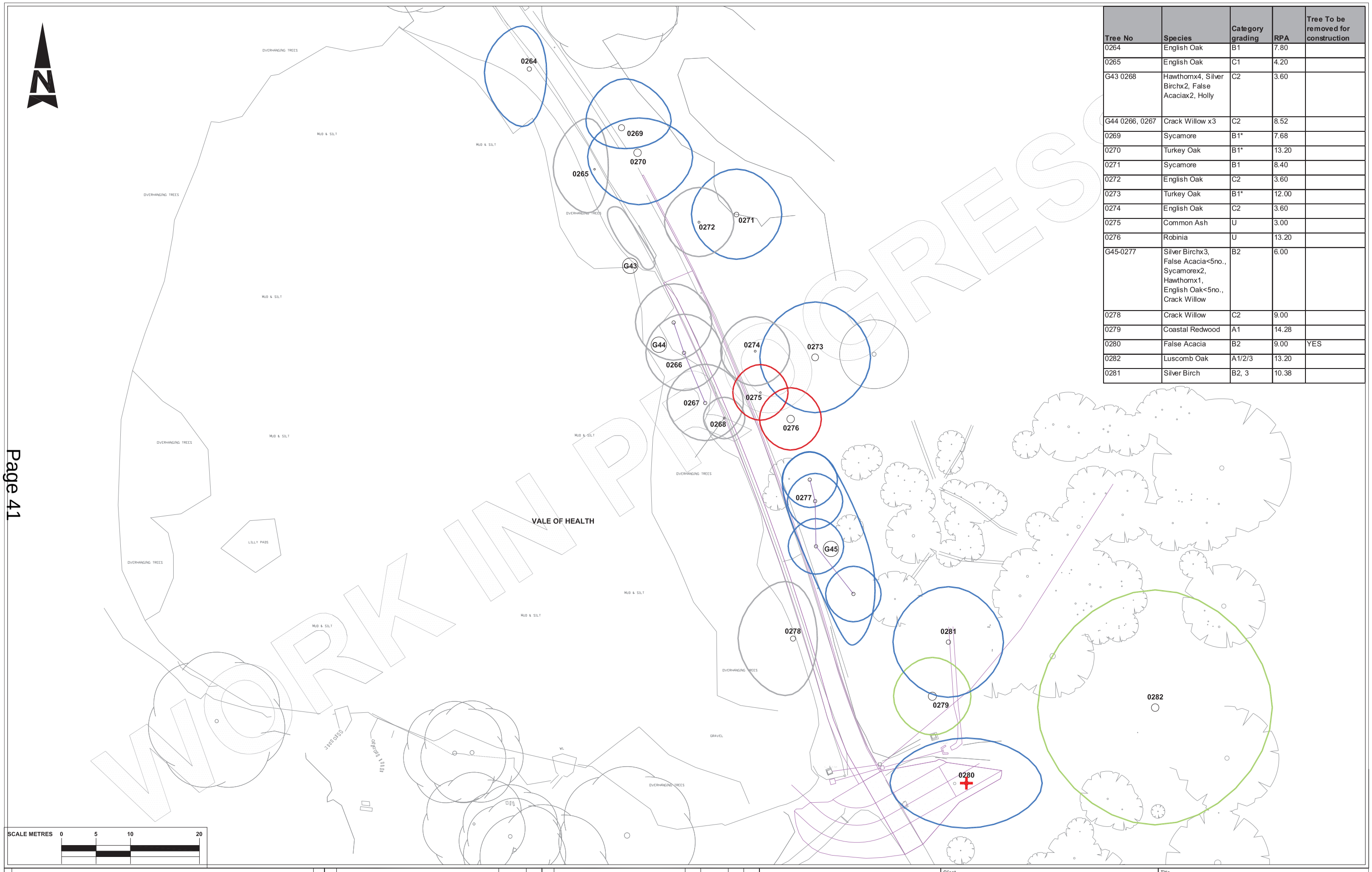
Client: City of London Corporation

Project: HAMPSTEAD HEATH PONDS PROJECT

Title: HAMPSTEAD NO.1 POND TREE PROTECTION PLANS

Sheet Size	Original Scale	Designed/Drawn	Checked	Authorised
A1	1:250@A1 1:500@A3	NP Date 07.05.14	JH Date 07.05.14	TD Date 07.05.14

Status	Drawing Number	Rev
P	5117039-ATK-P10-ZZ-DR-Y-2000	P1



Tree No	Species	Category grading	RPA	Tree To be removed for construction
0264	English Oak	B1	7.80	
0265	English Oak	C1	4.20	
G43 0268	Hawthornx4, Silver Birchx2, False Acaciax2, Holly	C2	3.60	
G44 0266, 0267	Crack Willow x3	C2	8.52	
0269	Sycamore	B1*	7.68	
0270	Turkey Oak	B1*	13.20	
0271	Sycamore	B1	8.40	
0272	English Oak	C2	3.60	
0273	Turkey Oak	B1*	12.00	
0274	English Oak	C2	3.60	
0275	Common Ash	U	3.00	
0276	Robinia	U	13.20	
G45-0277	Silver Birchx3, False Acacia<5no., Sycamorex2, Hawthornx1, English Oak<5no., Crack Willow	B2	6.00	
0278	Crack Willow	C2	9.00	
0279	Coastal Redwood	A1	14.28	
0280	False Acacia	B2	9.00	YES
0282	Luscomb Oak	A1/2/3	13.20	
0281	Silver Birch	B2, 3	10.38	

TREE CONSTRAINTS KEY

*category according to BS5837

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Project: HAMPSTEAD HEATH PONDS PROJECT

Title: VALE OF HEALTH POND TREE PROTECTION PLANS

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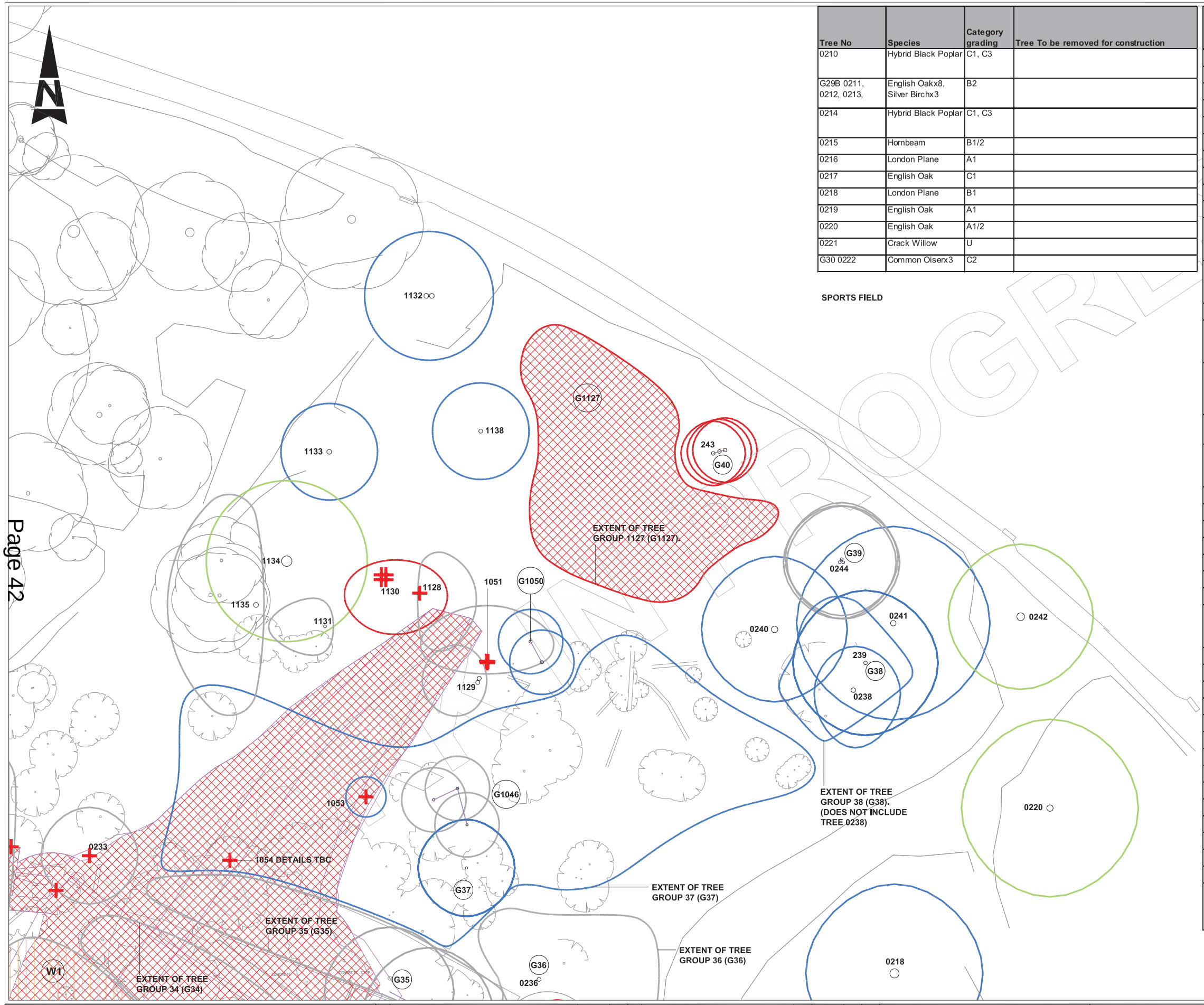
Status	Drawing Number	Rev
P	5117039-ATK-P11-ZZ-DR-Y-2000	P1



Tree No	Species	Category grading	Tree To be removed for construction
0210	Hybrid Black Poplar	C1, C3	
G29B 0211, 0212, 0213,	English Oakx8, Silver Birchx3	B2	
0214	Hybrid Black Poplar	C1, C3	
0215	Hornbeam	B1/2	
0216	London Plane	A1	
0217	English Oak	C1	
0218	London Plane	B1	
0219	English Oak	A1	
0220	English Oak	A1/2	
0221	Crack Willow	U	
G30 0222	Common Oiserx3	C2	

Tree No	Species	Category grading	Tree To be removed for construction
0223	English Oak	B1	
0224	English Oak	C1	
0225	English Oak	C2	
0226	English Oak	C1	
0227	Turkey Oak	B2	
0228	English Oak	B1	
0229	Silver Birch	B2	
G31-0230	English Oak	B2	
G32-0231	English Oak	B2	
G33 0232	English Oak	B2	
W1	Mixed	C2	Part of W1 to be felled - Approx. 18 BS Cat C trees to be felled. Mix of Hawthorn, Sycamore & Silver Birch
W2	Wet Woodland, Mixed Willow, Ash, Sycamore, Hawthorn	C2	Part of W2 to be felled - Approx. 11 BS Cat C trees to be felled. Mix of Hawthorn & Willow species.
0233	Common Ash	C1	YES
G34-0234	Lime, Common Ash, Crack Willow, Sycamore, Hawthorn	C2	Part of G34 to be felled - Approx. 11 BS Cat C trees to be felled. Mix of Holly, Hawthorn, Common Ash
G35 0235	Mixed Group, Crack Willow, Small leaved Lime, Holly, False Acacia, Hawthorn	C2	Part of G35 to be felled - Approx. 5 BS Cat C trees to be felled. Mix of Holly, Crack Willow, Hawthorn, Small Leaved Lime
G36-0236	Crack Willow, Elm, Hawthorn	C2	
G37 0237, 1053	Mixed group. Hawthorn, Elder	B2	Part of G37 to be felled - Approx. 12 BS Cat B trees to be felled. Mix of Hawthorn & Elder.
G38 0239	English Oak	B2	
0238	English Oak	B1	
0240	Common Ash	B1	
0241	English Oak	B2	
0242	Norway Maple	A1	
G40-0243	Crack Willowx7	U	
G39 0244	Elm, Common Ash	C2	
G1127	Crack Willow	U	Part of G1127 to be cleared to facilitate construction access. Approx. 10 BS Cat U trees.
1128	Crack Willow	C2	YES
1129	Common Ash	C2	YES
1130	Crack Willow	U	
1131	Common Ash	B2	
1132	English Oak	B2	
1133	English Oak	B2	
1134	London Plane	A1	
1135	Common Beech	C2	
G1046	Sycamore	C2	
G1050	Common Ash x2	B2	
1051	Hawthorn	C2	YES
1053	Goat Willow	C2	
1138	English Oak	B2	
0210A (no tag)	Sycamore	C2	
G33A (no tag)	Goat Willowx3, White Willowx1, Limex2, Silver Birchx 1	C2	

SCALE METRES 0 5 10 20

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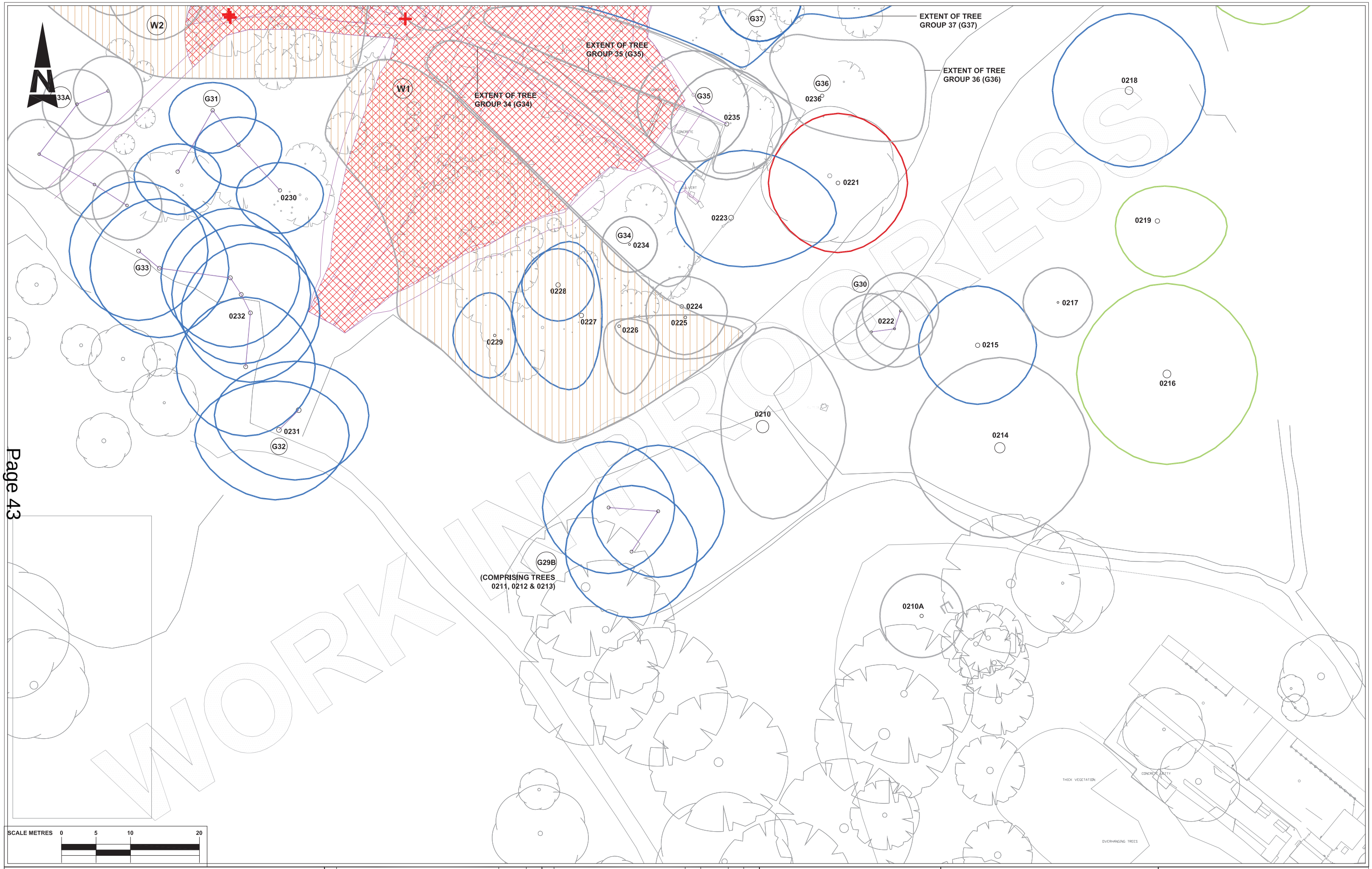
P	5117039-ATK-P12-ZZ-DR-Y-2000	P1



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P	5117039-ATK-P12-ZZ-DR-Y-2001	P1

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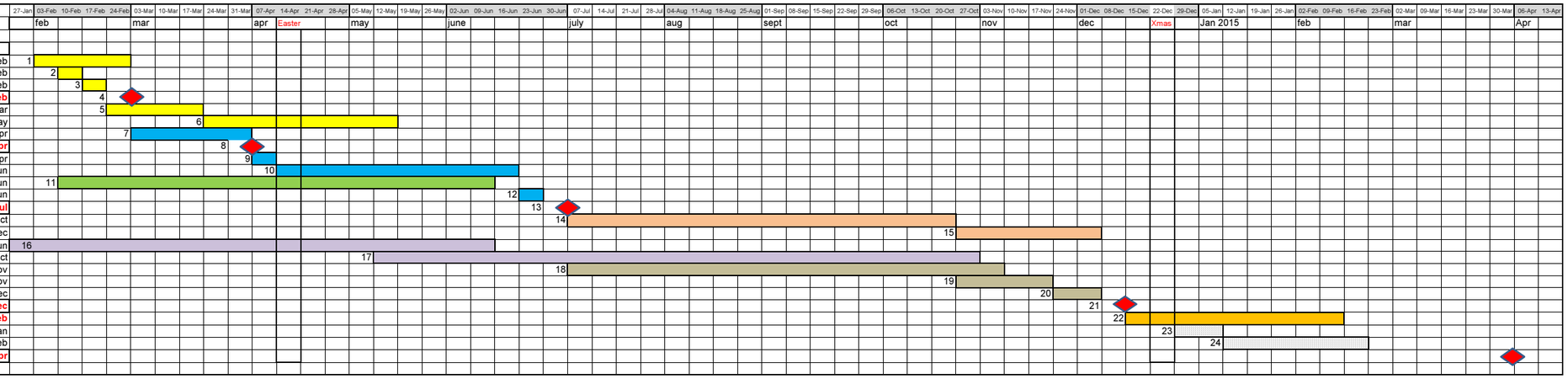
HAMPSTEAD HEATH PONDS PROJECT

HEADLINE PROGRAMME DATES - Agreed 26-02-2014

Ref	Description	CoL Req't	Duration	Start	Finish
1	Finalise negotiations with Constructor			03-Feb	28-Feb
2	Agree GI specification with Constructor			10-Feb	14-Feb
3	Constructor appoints GI specialist			17-Feb	21-Feb
4	Appoint Constructor			28-Feb	28-Feb
5	Mobilise for GI			24-Feb	21-Mar
6	GI including reports			24-Mar	18-May
7	Atkins prepare Options Report			03-Mar	04-Apr
8	Atkins submit Options Report	End March		04-Apr	04-Apr
9	CoL sign off - Proceed to Planning			07-Apr	11-Apr
10	Atkins prepare Planning Application		10 weeks	14-Apr	20-Jun
11	Ditto EIA (at risk)		18 weeks	10-Feb	13-Jun
12	City Review of Planning Application			23-Jun	27-Jun
13	Submit planning Application	End June		04-Jul	04-Jul
14	Planning Decision	Early Nov	16 weeks	04-Jul	24-Oct
15	JR/Standstill	Nov/Dec	6 weeks	27-Oct	05-Dec
16	Atkins complete Outline Design			n/a	15-Jun
17	Atkins Detailed Design		25 weeks	12-May	31-Oct
18	Quantities for AMP exercise			07-Jul	07-Nov
19	Constructor assembles pricing			27-Oct	21-Nov
20	Negotiations on AMP			24-Nov	05-Dec
21	Agree AMP etc			08-Dec	08-Dec
22	City of London Approval Process			08-Dec	13-Feb
23	Constructor mobilisation for Site Clearance			29-Dec	11-Jan
24	Site clearance - Scope and Period	Jan/Feb		12-Jan	20-Feb
25	Real Start on Site	April		06-Apr	06-Apr



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