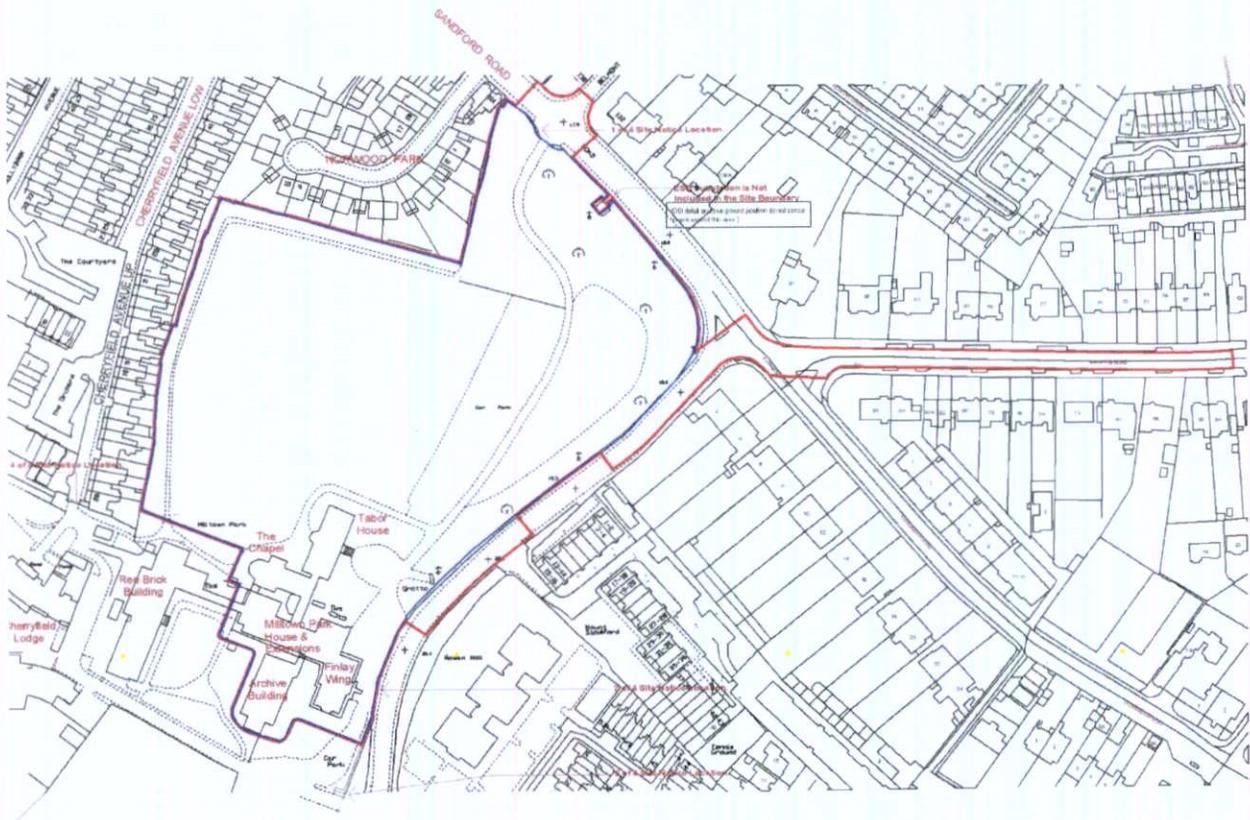


SECTION 3 : CLIENT & SITE DETAILS

GENERAL DETAILS	
SITE ADDRESS	DEVELOPMENT SITE @ MILLTOWN PARK, SANDFORD ROAD, DUBLIN 6
CLIENT DETAILS	SANDFORD LIVING LIMITED RIVERSIDE ONE SIR JOHN ROGERSON'S QUAY DUBLIN 2
	OWNERSHIP PUBLIC PRIVATE X
	TEL / MOB 01 2963660 / 087 4475660 EMAIL jmosullivan@lafferty.ie
CONSULTANTS / AGENTS	PROJECT MANAGERS – LAFFERTY, DUNDRUM TOWN CENTRE, SANDYFORD ROAD, DUNDRUM, DUBLIN, D16 A4W6 ARCHITECTS – O'MAHONY PIKE, THE CHAPEL, MOUNT ST. ANNE'S, MILLTOWN, DUBLIN, D06 XN52 PLANNING CONSULTANTS – THORNTON O'CONNOR, 1 KILMACUD ROAD UPPER, DUNDRUM, D14 EA89 ENVIRONMENTAL CONSULTANTS – JBA CONSULTING, GROVE ISLAND, LIMERICK, V94 312N ECOLOGICAL CONSULTANTS – JBA CONSULTING, GROVE ISLAND, LIMERICK, V94 312N
CURRENT SITE USAGE	AGRICULTURAL FORESTRY RESIDENTIAL COMMERCIAL INDUSTRIAL
	PUBLIC SPACE GREENFIELD BROWNFIELD OTHER X FORMER INSTITUTIONAL
SITE AREA	DEVELOPABLE SITE AREA = 4.26 Ha.
STATE AGENCIES INVOLVED	CO. COUNCIL NPWS I.F.I. I.W. BORD NA MONA
	E.S.B. IRISH RAIL G.N.I. OTHER
SITE DESCRIPTION	<p>THE DEVELOPMENT SITE IS A LARGE PARCEL OF LAND WHICH FORMED A SIGNIFICANT PART OF THE JESUIT RUN MILLTOWN INSTITUTE OF THEOLOGY AND PHILOSOPHY (SEE LAND HOLDING MAP REPRODUCED BELOW). IT COMPRISES FORMER INSTITUTIONAL BUILDINGS IN ITS SOUTHERN SECTOR, WITH ASSOCIATED HARD SURFACES, MATURE OPEN GRASSLAND AND WOODLAND FRINGES FORMING THE BALANCE OF THE HOLDING. THE SITE IS BOUNDED BY SANDFORD ROAD AND THE REAR OF RESIDENTIAL GARDENS ON NORWOOD PARK TO THE NORTH, BY MILLTOWN ROAD TO THE EAST, BY RETAINED JESUIT LAND AND BUILDINGS TO THE SOUTH AND BY THE REAR OF RESIDENTIAL GARDENS ON CHERRYFIELD AVENUE TO THE WEST</p> <p>BOUNDARIES ARE GENERALLY CLEARLY DELINEATED, AND ARE TYPICALLY DEMARCATED BY FENCING, MASONRY AND STONE WALLS, INDIGENOUS OR PLANTED HEDGES, OR A COMBINATION OF THESE ELEMENTS. HOWEVER THE SOUTHERN AND SOUTH WESTERN BOUNDARIES OF THE SITE BISECT OPEN GROUND AND ARE NOT DEFINITELY MARKED OUT</p>

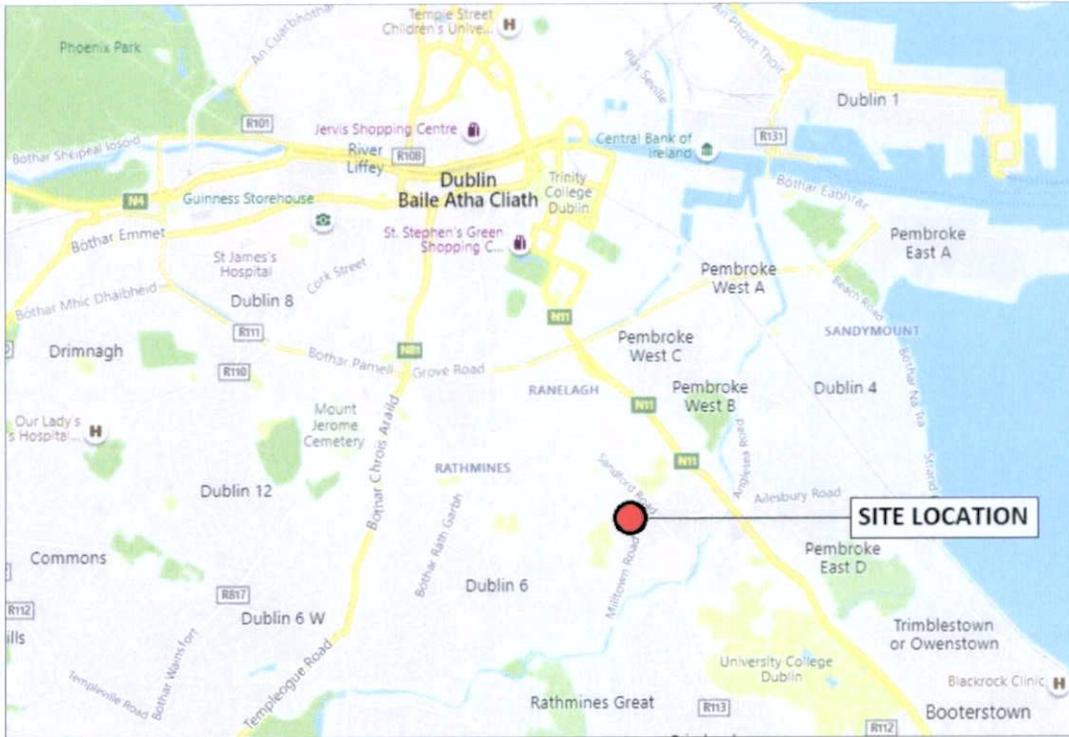
LAND HOLDING MAP

THE DEVELOPMENT BOUNDARY FOR THE PURPOSES OF A PROPOSED PLANNING APPLICATION IS OUTLINED IN RED WHILE THE LANDS WITHIN THE OWNERSHIP OF THE APPLICANT ARE OUTLINED IN BLUE



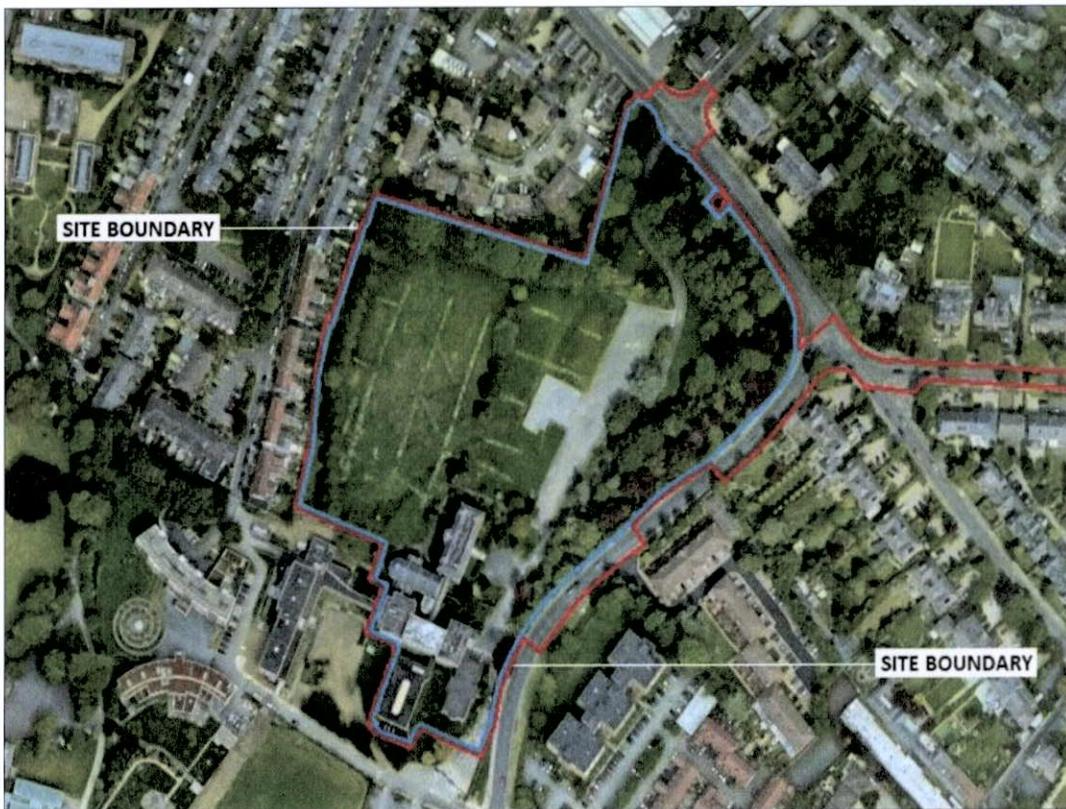
LAND HOLDING MAP REPRODUCED COURTESY OF O'MAHONY PIKE, ARCHITECTS

SECTION 4 : SITE LOCATION MAP & AERIAL SITE LAYOUT



SITE LOCATION MAP

SITE LOCATION MAP REPRODUCED COURTESY OF BING MAPS



AERIAL SITE LAYOUT

AERIAL SITE LAYOUT PLAN REPRODUCED COURTESY OF GOOGLE MAPS

SECTION 5 : I.A.P.S. OVERALL INFESTATION DETAILS

INVASIVE ALIEN SPECIES							
JAPANESE KNOTWEED	NO	GIANT KNOTWEED	NO	BOHEMIAN KNOTWEED	NO	HIMALAYAN KNOTWEED	NO
GUNNERA	NO	HIMALAYAN BALSAM	NO	GIANT HOGWEED	NO	RHODODENDRON	NO
AMERICAN SKUNK CABBAGE	NO	THREE CORNERED GARLIC	YES	SPANISH BLUEBELL	YES	HOTTENTOT FIG	NO

DESCRIPTION & EXTENT OF PRIMARY I.A.P.S. COLONISATIONS

THREE CORNERED GARLIC (TCG)

TCG 1 - A LINEAR STAND OF THREE CORNERED GARLIC WITHIN THE WOODLAND FRINGE, WHICH RUNS ALONG THE NORTH WESTERN BOUNDARY OF THE PROPERTY. THE STAND IS LOCATED AT THE BASE OF THE FENCE ON THE BOUNDARY BETWEEN THE SUBJECT SITE AND THE REAR GARDEN OF NO. 6 NORWOOD PARK. SOME PLANTS STILL REMAIN. THEY ARE HEALTHY, WITH SOME CURRENTLY COMING INTO FLOWER

TCG 2 - A CIRCULAR STAND OF THREE CORNERED GARLIC WITHIN THE WOODLAND FRINGE, WHICH RUNS ALONG THE NORTH WESTERN BOUNDARY OF THE PROPERTY. THE STAND IS LOCATED CLOSE TO THE BOUNDARY BETWEEN THE SUBJECT SITE AND THE REAR GARDENS OF NO'S. 4 & 5 NORWOOD PARK. SOME PLANTS STILL REMAIN. THEY ARE HEALTHY, WITH SOME CURRENTLY COMING INTO FLOWER

TCG 3 - A SMALL SINGLE STAND OF THREE CORNERED GARLIC GROWING ON THE WESTERN FRINGE OF A STAND OF WINTER HELIOTROPE, ITSELF AROUND THE BASE OF A MATURE TREE, WEST OF THE MAIN DRIVEWAY. SOME PLANTS STILL REMAIN. THEY ARE HEALTHY, WITH SOME CURRENTLY COMING INTO FLOWER

TCG 4 - TWO SMALL SINGLE STANDS OF THREE CORNERED GARLIC GROWING IN THE GRASS MARGIN IMMEDIATELY BESIDE, AND TO THE NORTH OF, THE MAIN DRIVEWAY. REMAINING PLANTS ARE COMING INTO FLOWER

TCG 5 - A LARGE STAND OF PRIMARILY THREE CORNERED GARLIC, BUT WITH A FEW SPANISH BLUEBELL PLANTS ALSO PRESENT, LOCATED IN THE WOODLAND CLEARING IN THE NORTH EASTERN SECTOR OF THE SITE, CLOSE TO THE ELECTRICAL SUBSTATION STRUCTURE AND THE BOUNDARY WITH SANDFORD ROAD. THE STAND COMPRISES A SERIES OF GROUPS OF PLANTS DISTRIBUTED ACROSS THE CLEARING, PARTICULARLY WHERE IT WAS USED HISTORICALLY FOR THE DISPOSAL OF PLANT CUTTINGS AND GARDEN WASTE. PLANTS ARE CURRENTLY COMING INTO FLOWER *

TCG 6 - A SMALL SINGLE STAND OF THREE CORNERED GARLIC GROWING IN THE GRASSED MARGIN RUNNING ALONG THE EASTERN EDGE OF THE MAIN DRIVEWAY, NORTH OF TCG 4. PLANTS ARE CURRENTLY COMING INTO FLOWER **

TCG 7 - A SMALL STAND OF THREE CORNERED GARLIC GROWING AMONGST TREES WITHIN THE WOODLAND FRINGE RUNNING ALONG THE EASTERN EDGE OF THE MAIN DRIVEWAY. PLANTS ARE CURRENTLY COMING INTO FLOWER **

* The infestation TCG 5 was newly identified during the April 2022 follow up survey
 ** The infestations TCG 6 & TCG 7 were newly identified during the March & April 2023 follow up surveys

SPANISH BLUEBELL (HSB)

HSB 1 - A SCATTERED STAND OF HYBRIDISED SPANISH BLUEBELL WITHIN THE WOODLAND FRINGE, WHICH RUNS ALONG THE NORTH WESTERN BOUNDARY OF THE PROPERTY. THE STAND IS MIXED WITHIN NATIVE VEGETATION, CLOSE TO THE BOUNDARY BETWEEN THE SUBJECT SITE AND THE REAR GARDENS OF NO'S. 9 & 10 NORWOOD PARK. SOME PLANTS STILL REMAIN. THEY ARE HEALTHY, WITH SOME CURRENTLY COMING INTO FLOWER

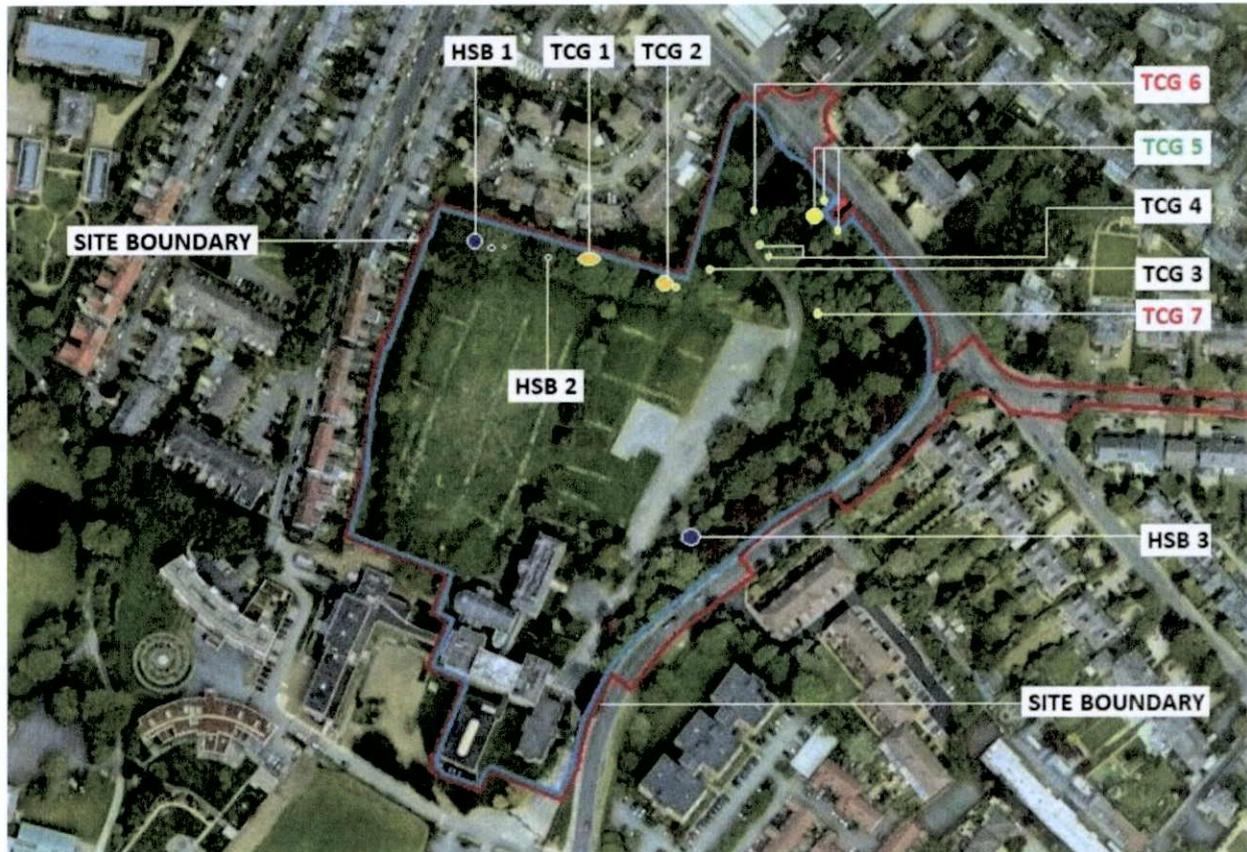
HSB 2 - A SMALL SINGLE STAND OF HYBRIDISED SPANISH BLUEBELL WITHIN THE WOODLAND FRINGE ALONG THE NORTH WESTERN SITE BOUNDARY. SOME VIABLE PLANT MATERIAL STILL REMAINS, WHICH IS HEALTHY, AND CURRENTLY COMING INTO FLOWER

HSB 3 - A STAND OF HYBRIDISED SPANISH BLUEBELL ON THE EDGE OF THE WOODLAND FRINGE, NEAR THE EASTERN BOUNDARY OF THE PROPERTY. THE STAND IS LOCATED AT THE JUNCTION BETWEEN THE MAIN DRIVEWAY TO THE WEST, AND THE BEGINNING OF A WOODLAND PATH TO THE EAST, BELOW A MATURE TREE, AND MIXED WITHIN NATIVE VEGETATION. THERE IS A SMALL SECONDARY STAND JUST NORTH OF THE MAIN STAND, ON THE EASTERN SIDE OF THE WOODLAND PATH. SOME PLANTS STILL REMAIN. THEY ARE HEALTHY, WITH SOME CURRENTLY COMING INTO FLOWER

CONDITION OF INFESTATIONS								
GROWTH STAGE	EMERGENT		REGROWTH		JUVENILE / SEMI MATURE		MATURE	X
CONDITION	HEALTHY	X	DISTRESSED		STUNTED		BONSAI	

SECTION 5 : I.A.P.S. OVERALL INFESTATION DETAILS (CONTD.)

I.A.P.S. DISTRIBUTION MAP – MARCH 2023



SECTION 6 : I.A.P.S. INDIVIDUAL INFESTATION DETAILS

INDIVIDUAL INFESTATIONS					
INFESTATION DETAILS	NO.	ITM - X	ITM - Y	SIZE (M X M)	COMMENTS
INFESTATION 1	TCG 1	716946	731305	10m x 1m	Linear stand located along the boundary line
INFESTATION 2	TCG 2	716981	731294	1 no. 3m x 8m	Circular stand near boundary, spreading east
INFESTATION 3	TCG 3	717000	731296	1 no. 0.5m dia.	Single stand under tree, beside winter heliotrope
INFESTATION 4	TCG 4	717020	731306	2 no. 0.5m dia.	2 small plants in driveway grass margin
INFESTATION 5	HSB 1	716902	731313	6 no. 0.75m dia.	Series of scattered stands in north western woodland
INFESTATION 6	HSB 2	716929	731300	1 no. 0.5m dia.	Single stand in woodland, south of path
INFESTATION 7	HSB 3	716984	731167	3m x 4m	Stand under tree at pedestrian path in eastern sector
INFESTATION 8*	TCG 5	716984	731167	5m x 6m + 3m x 4m	Stands in woodland clearing in north eastern scetor
INFESTATION 9**	TCG 6	717007	731319	1 no. 0.25m dia.	Stand in grass margin east of the main driveway
INFESTATION 10**	TCG 7	717049	731278	1 no. 0.5m dia.	Stand in woodland fringe east of the main driveway

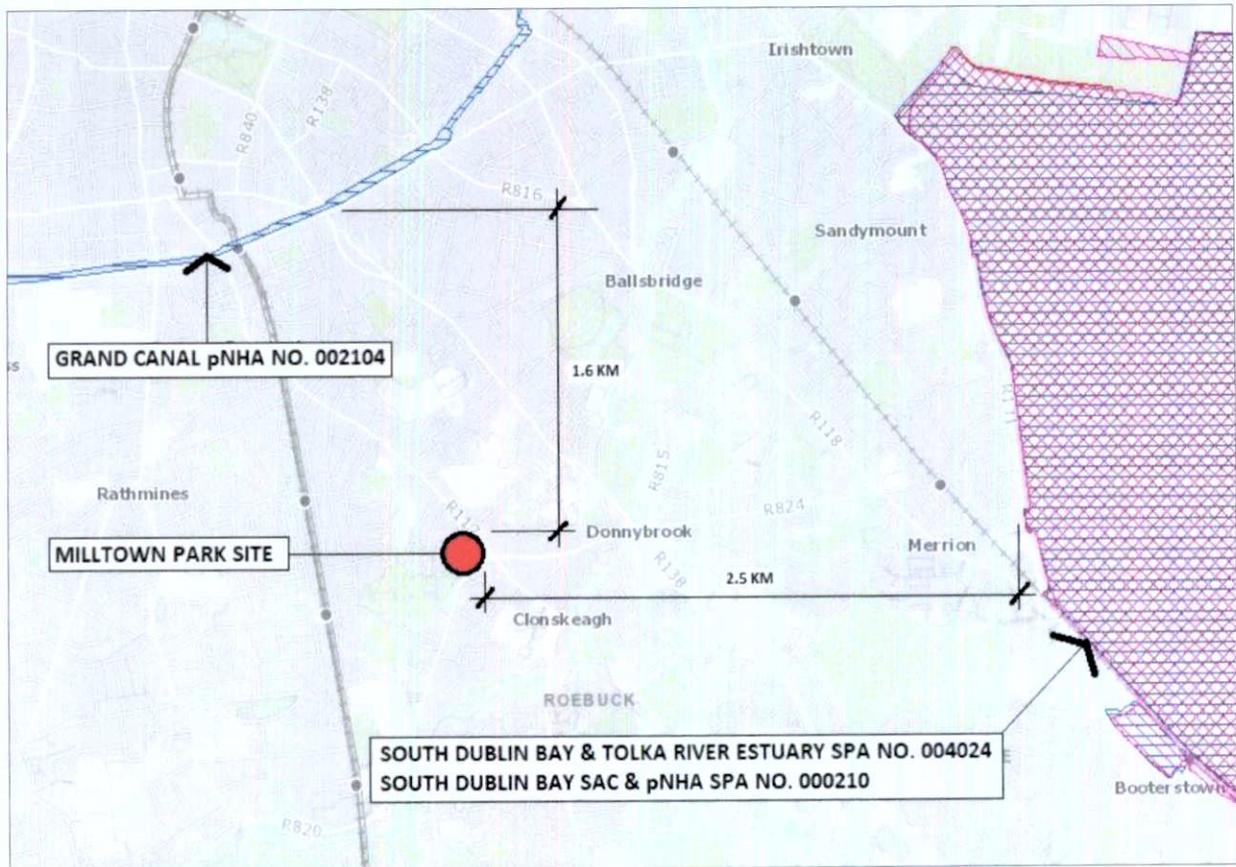
* The infestation TCG 5 was newly identified during the April 2022 follow up survey

** The infestations TCG 6 & TCG 7 were newly identified during the March & April 2023 follow up surveys

SECTION 7 : I.A.P.S. - ENVIRONMENTAL IMPACT AND LOCAL SENSITIVITIES

ENVIRONMENTAL CONTEXT								
VISUAL IMPACT	MINIMAL	X	MODERATE	n/a	SIGNIFICANT	n/a	SEVERE	n/a
ENVIRONMENTAL IMPACT	LIMITED	X	MODERATE	n/a	SIGNIFICANT	n/a	SEVERE	n/a
TRANSLOCATION RISK	LOW	n/a	MEDIUM	X	HIGH	n/a	ACUTE	n/a
PROXIMITY TO WATER BODY	DISTANT	X	VICINITY	n/a	ADJOINING	n/a	WITHIN	n/a
NATURE OF WATER BODY	RIVER	X	SEA	n/a	LAKE	n/a	CANAL	n/a
DESIGNATED STATUS								
IS SITE IN A DESIGNATED AREA	SAC	NO	SPA	NO	NHA / pNHA	NO	NO.	
DESIGNATED AREA NEARBY	SAC	YES	SPA	YES	NHA / pNHA	YES	NO.	SEE BELOW

THE NEAREST DESIGNATED SITES ARE THE GRAND CANAL pNHA NO. 002104, WHICH IS APPROX. 1.6 KM TO THE NORTH OF THE MILLTOWN PARK SITE, AND THE SOUTH DUBLIN BAY & TOLKA RIVER ESTUARY SPA NO. 004024 / THE SOUTH DUBLIN BAY SAC & pNHA NO. 000210, WHICH ARE APPROX. 2.5 KM TO THE EAST OF THE SITE



RELATIONSHIP BETWEEN THE SITE & THE CLOSEST DESIGNATED SITES

SECTION 8 : SITE PHOTOGRAPHS – DECEMBER 2020 SURVEY

OVERVIEW OF SITE



OVERALL VIEW OF PROPERTY – SOUTH EASTERN SECTOR, LOOKING SOUTH



OVERALL VIEW OF PROPERTY – SOUTH WESTERN SECTOR, LOOKING SOUTH WEST

SECTION 8 : SITE PHOTOGRAPHS – DECEMBER 2020 SURVEY (CONTD.)

OVERVIEW OF SITE



OVERALL VIEW OF PROPERTY – NORTH EASTERN SECTOR, LOOKING NORTH



OVERALL VIEW OF PROPERTY – NORTH CENTRAL SECTOR, LOOKING NORTH WEST

SECTION 8 : SITE PHOTOGRAPHS – DECEMBER 2020 SURVEY (CONTD.)

OVERVIEW OF SITE



OVERALL VIEW OF PROPERTY – NORTH WESTERN SECTOR, LOOKING NORTH WEST



WESTERN SECTION OF SOUTHERN BOUNDARY – LOOKING WEST

SECTION 8 : SITE PHOTOGRAPHS – DECEMBER 2020 SURVEY (CONTD.)

OVERVIEW OF SITE



CENTRAL SECTION OF SOUTHERN BOUNDARY – LOOKING NORTH



EASTERN SECTION OF SOUTHERN BOUNDARY – LOOKING NORTH EAST

SECTION 8 : SITE PHOTOGRAPHS – DECEMBER 2020 SURVEY (CONTD.)

OVERVIEW OF SITE



SOUTHERN SECTION OF WESTERN BOUNDARY – LOOKING NORTH WEST



CENTRAL SECTION OF WESTERN BOUNDARY – LOOKING NORTH WEST

SECTION 8 : SITE PHOTOGRAPHS – DECEMBER 2020 SURVEY (CONTD.)

OVERVIEW OF SITE



WESTERN SECTION OF NORTHERN BOUNDARY – LOOKING NORTH



WESTERN SECTION OF NORTHERN BOUNDARY – LOOKING WEST

SECTION 8 : SITE PHOTOGRAPHS – DECEMBER 2020 SURVEY (CONTD.)

OVERVIEW OF SITE



CENTRAL SECTION OF NORTHERN BOUNDARY – LOOKING NORTH



EASTERN SECTION OF NORTHERN BOUNDARY – LOOKING EAST

SECTION 8 : SITE PHOTOGRAPHS – DECEMBER 2020 SURVEY (CONTD.)

OVERVIEW OF SITE



NORTHERN SECTION OF EASTERN BOUNDARY – LOOKING SOUTH EAST



SOUTHERN SECTION OF EASTERN BOUNDARY – LOOKING EAST

SECTION 9 : SITE PHOTOGRAPHS - APRIL 2021 I.A.P.S.

THREE CORNERED GARLIC – TCG 1



LINEAR STAND RUNNING ALONG BOUNDARY LINE – LOOKING NORTH EAST



LINEAR STAND RUNNING ALONG BOUNDARY LINE – LOOKING NORTH WEST

SECTION 9 : SITE PHOTOGRAPHS - APRIL 2021 I.A.P.S. (CONTD.)

THREE CORNERED GARLIC – TCG 2



MAIN BODY OF STAND NEAR NORTH WESTERN BOUNDARY LINE – LOOKING NORTH



SECONDARY GROWTH TO THE EAST OF MAIN STAND, COMING INTO FLOWER – LOOKING NORTH

SECTION 9 : SITE PHOTOGRAPHS - APRIL 2021 I.A.P.S. (CONTD.)

THREE CORNERED GARLIC – TCG 3



SINGLE STAND ON FRINGE OF WINTER HELIOTROPE – LOOKING SOUTH



CLOSE UP OF STAND ON FRINGE OF WINTER HELIOTROPE – LOOKING SOUTH

SECTION 9 : SITE PHOTOGRAPHS - APRIL 2021 I.A.P.S. (CONTD.)

THREE CORNERED GARLIC – TCG 4



TWO STANDS IN THE NORTH EASTERN DRIVEWAY GRASSED MARGIN – LOOKING SOUTH EAST



CLOSE UP OF NORTHERNMOST STAND – LOOKING NORTH EAST

SECTION 9 : SITE PHOTOGRAPHS - APRIL 2021 I.A.P.S. (CONTD.)

HYBRIDISED SPANISH BLUEBELL - HSB 1



OVERALL ZONE OF INFESTATION – LOOKING WEST



STANDS AROUND BASE OF TREE – LOOKING WEST

SECTION 9 : SITE PHOTOGRAPHS - APRIL 2021 I.A.P.S. (CONTD.)

HYBRIDISED SPANISH BLUEBELL - HSB 2



SINGLE STAND OF HYBRIDISED SPANISH BLUEBELL WITH WHITE FLOWERS – LOOKING NORTH



DETAIL OF WHITE FLOWERS OF HYBRIDISED SPANISH BLUEBELL

SECTION 9 : SITE PHOTOGRAPHS - APRIL 2021 I.A.P.S. (CONTD.)

HYBRIDISED SPANISH BLUEBELL - HSB 3



MAIN STAND, WITH SECONDARY STAND TO THE RIGHT AND BEYOND – LOOKING NORTH



CLOSER VIEW OF MAIN STAND – LOOKING NORTH

SECTION 9 : SITE PHOTOGRAPHS - APRIL 2021 I.A.P.S. (CONTD.)

HYBRIDISED SPANISH BLUEBELL – VARIATIONS IN FLOWERS



FLOWERS IN HSB 1 & 3 - BLUE



FLOWERS IN HSB 1 & 3 - PINK

SECTION 10 : SITE PHOTOGRAPHS - APRIL 2021 FENCING & SIGNAGE

FENCING AT HSB 1 & TCG 2



HSB 1



TCG 2

SECTION 10 : SITE PHOTOGRAPHS - APRIL 2021 FENCING & SIGNAGE (CONTD.)

FENCING AT HSB 3 & TCG 4



HSB 3



TCG 4

SECTION 10 : SITE PHOTOGRAPHS - APRIL 2021 FENCING & SIGNAGE (CONTD.)

FENCING AT TCG 3



TCG 3



TYPICAL SIGNAGE

SECTION 11 : SITE PHOTOGRAPHS - APRIL 2022 I.A.P.S. SURVEY

NEW I.A.P.S. STAND – TCG 5



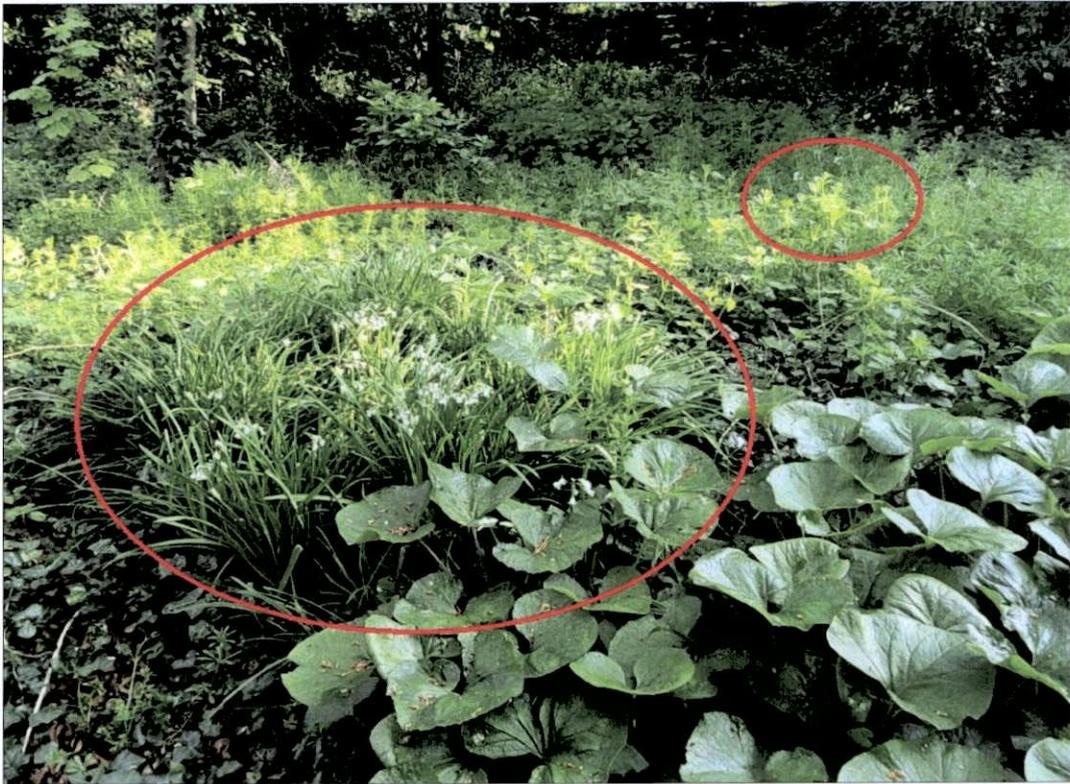
LOCATION OF STANDS IN RELATION TO THE E.S.B. SUB-STATION



MAIN STAND, WEST OF THE E.S.B. SUB-STATION

SECTION 11 : SITE PHOTOGRAPHS - APRIL 2022 I.A.P.S. SURVEY (CONTD.)

NEW I.A.P.S. STAND – TCG 5



DISTRIBUTION OF PLANTS IN MAIN STAND, LOOKING SOUTH WEST



SECONDARY STANDS, IMMEDIATELY WEST OF THE E.S.B. SUB-STATION

SECTION 11 : SITE PHOTOGRAPHS - APRIL 2022 I.A.P.S. SURVEY (CONTD.)



SECONDARY STANDS, IMMEDIATELY EAST OF THE E.S.B. SUB-STATION



SECONDARY STAND, EAST OF THE E.S.B. SUB-STATION

SECTION 11 : SITE PHOTOGRAPHS - APRIL 2022 I.A.P.S. SURVEY (CONTD.)

NEW I.A.P.S. STAND – TCG 5



THREE CORNERED GARLIC PLANTS, WITH A SPANISH BLUEBELL PLANT ADJACENT ON THE RIGHT



TYPICAL INDIVIDUAL SPANISH BLUEBELL PLANT

SECTION 12 : SITE PHOTOGRAPHS - MARCH 2022 I.A.P.S. SURVEY

NEW I.A.P.S. STANDS – TCG 6 & TCG 7



TCG 6 – IN EASTERN ROADSIDE GRASS MARGIN NORTH OF TCG 4



TCG 7 – IN WOODLAND FRINGE ON EASTERN ROADSIDE SOUTH OF TCG 4

SECTION 13 : SITE ASSESSMENT CONCLUSIONS & RECOMMENDATIONS

1. BASED ON THE OUTCOME OF THE SIX SITE SURVEYS, CARRIED OUT IN DECEMBER 2020, APRIL & SEPTEMBER 2021, APRIL 2022, AND MARCH & APRIL 2023, THIS REPORT CONFIRMS THE CONTINUING AND, IN CERTAIN INSTANCES, THE EXPANDED PRESENCE OF I.A.P.S., NAMELY THREE CORNERED GARLIC AND SPANISH BLUEBELL.
2. GIVEN THE TIMES OF YEAR, AND THE VARIOUS I.A.P.S. PLANT GROWTH CYCLES, IT REMAINS POSSIBLE THAT OTHER I.A.P.S. PLANTS COULD PRESENT IN THE FUTURE. IN APPLYING THE "PRECAUTIONARY PRINCIPLE", REGULAR SITE MONITORING SHOULD BE MAINTAINED. FURTHER SITE INSPECTIONS SHOULD BE SCHEDULED DURING THE 2023 GROWING PERIOD, TO VALIDATE THE EMERGENT I.A.P.S., PARTICULARLY THREE CORNERED GARLIC AND SPANISH BLUEBELL. THIS REPORT AND MANAGEMENT PLAN SHOULD BE UPDATED TO TAKE ACCOUNT OF THE RESULTS OF THESE 2023 INSPECTIONS
3. THIS REPORT AND MANAGEMENT PLAN, AND SUBSEQUENT UPDATES, SHOULD BE CIRCULATED TO ANY ADJOINING LAND OWNERS THAT MAY BE AFFECTED BY THE I.A.P.S. PRESENCE, AND TO THE RELEVANT PRESCRIBED AUTHORITIES, WHERE REQUIRED OR APPROPRIATE TO DO SO
4. ALL AREAS OF KNOWN, AND NEW, INFESTATION SHOULD REMAIN SECURELY FENCED OFF, INCLUDING A 5 – 7m BUFFER ZONE WHERE APPROPRIATE. FENCING SHOULD BE STURDY AND INCORPORATE WARNING / ADVISORY SIGNAGE. WHERE STANDS ARE SMALL, OR JUST INDIVIDUAL STEMS, OR HAVE BEEN PREVIOUSLY TREATED AND ARE DEAD STEMS, THEN ADVISORY SIGNAGE ON STURDY TIMBER POSTS MAY SUFFICE
5. NO GROUND MAINTENANCE, OPENING UP OR ANY OTHER GROUND DISTURBANCE SHOULD TAKE PLACE WITHIN THE FENCED AREAS, WITHOUT PRIOR CONSULTATION WITH, AND THE CLEAR DIRECTION OF, AN INVASIVE PLANT SPECIES SPECIALIST, AND THEN ONLY UNDER STRICT SUPERVISION AND BIO-SECURITY CONDITIONS
6. IF ACCESS TO THE INFESTED AREAS IS NECESSARY, AND PARTICULARLY IF ANY ESSENTIAL WORK HAS TO BE CARRIED OUT WITHIN THE FENCED LOCATIONS, THEN THIS MUST ONLY BE DONE FOLLOWING FORMAL APPROVAL IN ADVANCE, AND AFTER THE PREPARATION AND AGREEMENT OF A "TASK SPECIFIC" METHOD STATEMENT. NO VIABLE PLANT MATERIAL OR RHIZOME SHOULD BE DISTURBED IN, OR REMOVED FROM, THE ZONES OF INFESTATION
7. WHERE FUTURE DEVELOPMENT PROPOSALS COULD ENCROACH ONTO THE I.A.P.S. INFESTED AREAS, A SITE SPECIFIC GROUND REMEDIATION PROGRAMME SHOULD BE DEVELOPED AND DEPLOYED, WHICH WOULD PROVIDE FOR THE REMOVAL AND BIO-SECURE DISPOSAL OF ALL INFESTED SOILS. THIS PLAN SHOULD INCLUDE PROVISION FOR VERTICAL AND HORIZONTAL GROUND PROTECTION ALONG PROPERTY BOUNDARIES, WHERE APPROPRIATE, AND ANY OTHER RELEVANT MEASURES REQUIRED TO ENSURE STRICT BIO-SECURITY COMPLIANCE ACROSS THE SITE & WORKS.
8. ALL RELEVANT STAFF AND SITE VISITORS SHOULD BE BRIEFED ON THE IDENTIFICATION, RISKS AND DANGERS OF THE I.A.P.S. PRESENT, AND ON THE SPECIFIC MEASURES, RESTRICTIONS AND PROTOCOLS TO BE DEPLOYED ON THE SITE
9. THE ACCOMPANYING MANAGEMENT PLAN AND TREATMENT METHODOLOGY SHOULD BE SCREENED FOR POTENTIAL IMPACTS ON ECOLOGICAL RECEPTORS AND SENSITIVITIES, WHERE THEY EXIST, TO FULLY CONSIDER THE REQUIREMENTS OF S.I. 155 OF 2012 – THE EUROPEAN COMMUNITIES (SUSTAINABLE USE OF PESTICIDES) REGULATIONS
10. WHEN USING HERBICIDES AS PART OF THE MANAGEMENT PLAN AND REMEDIATION PROGRAMME, CONSIDERATION MUST BE GIVEN TO THE PROXIMITY OF ECOLOGICAL RECEPTORS AND DESIGNATED SITES. NON RESIDUAL, AQUATIC APPROVED, HERBICIDES SHOULD BE SPECIFIED FOR TREATMENT, WHERE HERBICIDE USE IS DEEMED SUITABLE
11. INVASIVE PLANT SPECIES, BY THEIR NATURE, ARE AGGRESSIVE AND CAN BE INTRODUCED ONTO PROPERTY INADVERTENTLY, VIA MANY DIFFERENT MEANS AND ROUTES. WE WOULD ENCOURAGE ALL PARTIES TO FAMILIARISE THEMSELVES WITH THE IDENTIFICATION OF THE PRIMARY INVASIVE ALIEN PLANT SPECIES PRESENT. SPECIALIST ADVICE SHOULD BE SOUGHT WHERE THERE IS DOUBT AS TO THE IDENTITY OF ANY PARTICULAR PLANTS ENCOUNTERED
12. IN LIGHT OF THE POTENTIAL FUTURE RE-DEVELOPMENT OF THE SITE IN THE SHORT TO MEDIUM TERM, SECTION 18 OF THIS ASSESSMENT REPORT AND MANAGEMENT PLAN PROVIDES A SHORT OVERVIEW OF ADDITIONAL MANAGEMENT MEASURES WHICH SHOULD BE DEPLOYED WHEN, AND IF, SITE DEVELOPMENT / CONSTRUCTION WORKS ARE SCHEDULED. THESE MEASURES ARE DESIGNED TO HELP MITIGATE THE RISK OF I.A.P.S. BEING INTRODUCED ONTO THE SITE FROM EXTERNAL SOURCES. WHEN PREPARING FOR THE COMMENCEMENT OF CONSTRUCTION THESE MEASURES SHOULD BE DEVELOPED AND EXPANDED UPON, AS NECESSARY, TO MEET THE PARTICULAR REQUIREMENTS OF THE FINAL PROJECT



KYRAN COLGAN
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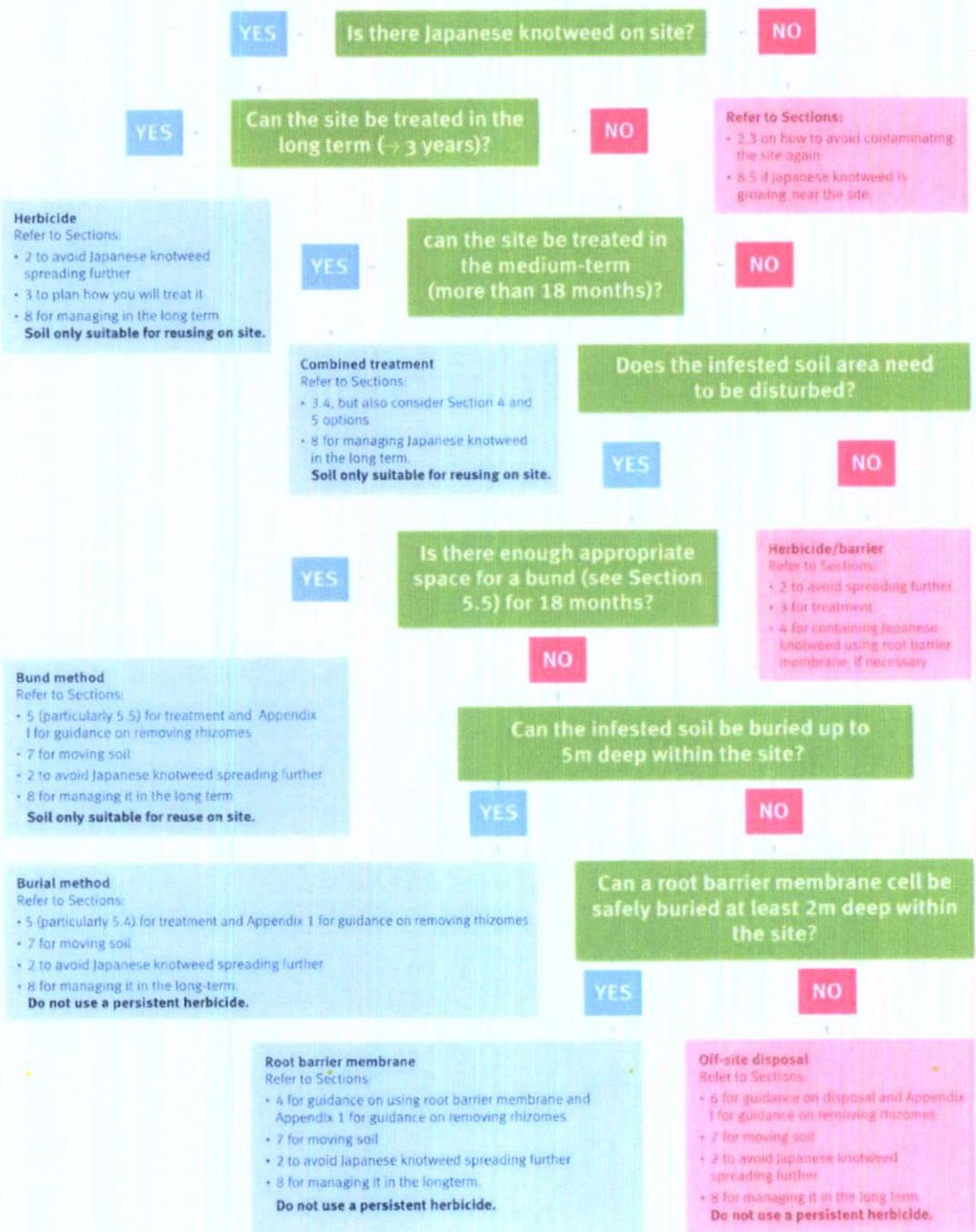
I.A.P.S. MANAGEMENT PLAN

SECTION 14 : KNOTWEEDS - PROCESS OF TREATMENT SELECTION

INVASIVE ALIEN SPECIES				
JAPANESE KNOTWEED	GIANT KNOTWEED	BOHEMIAN KNOTWEED	HIMALAYAN KNOTWEED	
SELECTION OF TREATMENT				

THE MATRIX BELOW HAS BEEN DEVELOPED BY THE U.K. ENVIRONMENT AGENCY, BASED ON BEST PRACTICE AND THE APPLICATION OF "THE PRECAUTIONARY PRINCIPLE". THIS PROCESS IS INTENDED TO ARRIVE AT THE OPTIMUM JAPANESE KNOTWEED MANAGEMENT SOLUTION, WHICH POSES THE LEAST BIO-SECURITY RISK, AND WHICH MANAGES THE PLANTS REMEDIATION PROCESS AS CLOSE AS PRACTICABLE TO IT'S EXISTING POSITION

Flowchart for treating Japanese knotweed



SECTION 15 : KNOTWEEDS - MANAGEMENT PLAN

TREATMENT PLAN			
METHODOLOGY	N/A – NO KNOTWEEDS IDENTIFIED ON THE LANDS		
MANAGEMENT ELEMENTS	INITIAL / MULTI-ANNUAL HERBICIDE CONTROL		ON-SITE BELOW GROUND SOIL CONTAINMENT CELL
	DEEP BURIAL – GREATER THAN 5m		EXCAVATE AND DISPOSE OFF-SITE
HERBICIDE TREATMENT	FOLIAR SPRAY		STEM INJECTION
	CUT AND STEM FILL		SPOT SPRAY / LEAF WIPE / SWAB
	ADDITIONAL DETAILS N/A - NO KNOTWEEDS IDENTIFIED ON THE LANDS		
HERBICIDE TYPE	APPROVED FOR USE WITH JAPANESE KNOTWEED		APPROVED FOR USE IN AQUATIC ENVIRONMENTS
BIO-SECURITY MEASURES	FENCE OFF INFESTATIONS AND FIT WARNING SIGNS		SET 5 – 7m SAFETY ZONE AROUND INFESTATIONS
ILLUSTRATIONS	N/A - NO KNOTWEEDS IDENTIFIED ON THE LANDS		

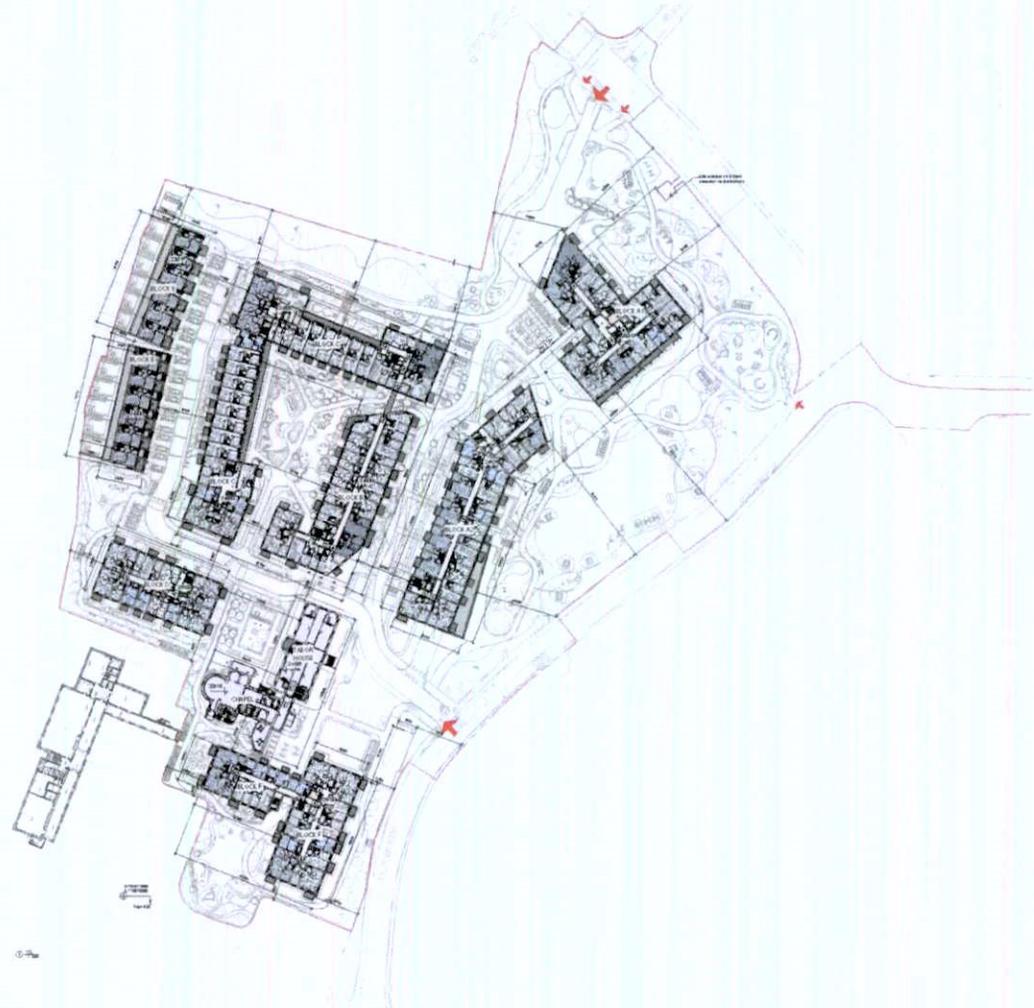
SECTION 16 : THREE CORNERED GARLIC & SPANISH BLUEBELL – MANAGEMENT & REMEDIATION PLAN

TREATMENT PLAN			
TREATMENT METHODOLOGY	THE PREFERRED SOLUTION FOR MANAGING THREE CORNERED GARLIC & SPANISH BLUEBELL IS : 1. FENCE OFF THE IDENTIFIED THREE CORNERED GARLIC & SPANISH BLUEBELL LOCATIONS, USING SECURE FENCING AND APPROPRIATE ADVISORY/WARNING SIGNAGE – SEE APPENDIX 3 AND 4 FOR TYPICAL EXAMPLES 2. CARRY OUT A FURTHER INSPECTION OF THE LANDS DURING THE 2023 GROWING PERIOD, TO VALIDATE THE RESULTS OF THE CURRENT SITE SURVEY, AND TO SCREEN FOR THE INTRODUCTION ONTO THE SITE OF ADDITIONAL I.A.P.S. 3. UPDATE THIS I.A.P.S. ASSESSMENT REPORT & MANAGEMENT PLAN, AS NECESSARY, FOLLOWING EACH FOLLOW UP SITE SURVEY 4. INSTITUTE A MULTI-ANNUAL HERBICIDE TREATMENT PROGRAMME, COMMENCING IN SPRING 2021, CONSISTING OF THREE TREATMENT VISITS, ALL TO BE CARRIED OUT IN ADVANCE OF, AND DURING, THE FLOWERING PERIOD OF THE PLANTS 5. FOR PART OR ALL OF ANY OF THE THREE CORNERED GARLIC & SPANISH BLUEBELL SITES THAT COULD BE DISTURBED BY ELEMENTS OF THE PROPOSED FUTURE DEVELOPMENT OF THE SITE, THEN WHEN THE DEVELOPMENT PROGRAMME BECOMES CLEAR, AND WHERE ERADICATION HAS NOT BEEN FULLY VALIDATED, A DETAILED CONSTRUCTION STAGE MANAGEMENT PLAN SHOULD BE PREPARED TO PHASE OUT THE HERBICIDE TREATMENT PROCESS, AND TO REPLACE IT WITH THE PHYSICAL REMEDIATION OF ANY REMAINING INFESTED SOILS. THE PRECISE DETAILS AND TIMING OF THIS PLAN SHOULD TO BE BASED ON UP TO DATE SITE SURVEY INFORMATION, AND THE DETERMINATION OF THE LEVEL AND EXTENT OF ERADICATION ACHIEVED, CONSIDERED IN CONJUNCTION WITH THE FINAL DETAILED PROJECT DESIGN AND THE DEFINITIVE CONSTRUCTION / DEVELOPMENT WORKS PROGRAMME. AT THIS MOMENT, THE BIO-SECURE OFF-SITE DISPOSAL OF ANY REMAINING INFESTED SOILS WOULD BE CONSIDERED TO BE THE MOST APPROPRIATE REMEDIATION SOLUTION		
MANAGEMENT ELEMENTS	MULTI ANNUAL HERBICIDE CONTROL PROGRAMME	X	ON-SITE BELOW GROUND SOIL CONTAINMENT CELL
	DEEP BURIAL – GREATER THAN 5m		EXCAVATE AND DISPOSE OFF-SITE
	EXCAVATE AND TREAT IN ON-SITE TEMPORARY BUND		CERTIFIED ROOT BARRIER MEMBRANE SYSTEMS
HERBICIDE TREATMENT TECHNIQUE	FOLIAR SPRAY		STEM INJECTION
	CUT AND STEM FILL		SPOT SPRAY / LEAF WIPE / SWAB
	SPOT SPRAY TO CONSIST OF A TARGETED APPLICATION OF ROUNDUP BIACTIVE XL IN SOLUTION, AT A DILUTION RATE OF 1:40, OR ALTERNATIVE GLYPHOSATE BASED HERBICIDE, APPLIED BI-ANNUALLY IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS. SPRAY TO BE APPLIED ONLY TO THE TARGET PLANT, PRIOR TO SETTING SEED, AND APPLIED USING A PROPRIETARY SPRAY UNIT FITTED WITH AN ANTI DRIFT SHIELD. SPRAY ONLY TO BE APPLIED UNDER SUITABLE PREVAILING WEATHER CONDITIONS AND APPLIED AT A RATE AND PRESSURE WHICH MINIMISES RUN OFF FROM THE PLANT LEAVES AND FLOWERS. THE SITE HANDLING AND MIXING OF HERBICIDE SHOULD BE AVOIDED TO THE GREATEST EXTENT POSSIBLE		
ADDITIONAL WORKS	CUT AND BAG PLANT MATERIAL		SHRED & DISPOSE OF VIABLE PLANT MATERIAL
HERBICIDE	APPROVED FOR 3 CORNERED GARLIC	X	APPROVED FOR USE IN AQUATIC ENVIRONMENTS
BIO-SECURITY MEASURES	FENCE OFF INFESTATIONS AND FIT WARNING SIGNS	X	SET SAFETY ZONE AROUND INFESTATIONS
	ADVISE AFFECTED PARTIES / NOTIFY NEIGHBOURS		BRIEF WORKERS AND VISITORS TO PROPERTY
	IF MORE THAN 1 PARTY, AGREE WORKS IN ADVANCE		MONITOR AND RECORD

SECTION 17 : MANAGEMENT & TREATMENT PROGRAMME

PROGRAMME		
STAGE 1 SPRING/SUMMER 2021/22	<ul style="list-style-type: none"> DEPLOY BIOSECURITY MEASURES, COMPRISING SECURE FENCING AND ADVISORY / WARNING SIGNAGE CARRY OUT THREE SPOT SPRAYING TREATMENTS AT THREE CORNERED GARLIC & SPANISH BLUEBELL STANDS CARRY OUT FOLLOW UP SITE SURVEY, TO INSPECT FOR NEW, EMERGING AND SPREADING I.A.P.S. UPDATE ASSESSMENT REPORT AND MANAGEMENT PLAN, BASED ON THE OUTCOME OF THE SEPTEMBER SURVEY 	COMPLETE 04/21 COMPLETE 06/21 COMPLETE 09/21 COMPLETE 11/21
STAGE 2 SPRING 2023	<ul style="list-style-type: none"> CARRY OUT A SITE SURVEY, TO MONITOR REGROWTH AT EXISTING I.A.P.S. STANDS AND IDENTIFY ANY NEW STANDS UPDATE THIS ASSESSMENT REPORT AND MANAGEMENT PLAN ACCORDINGLY DEPLOY ANY ADDITIONAL BIO-SECURITY MEASURES REQUIRED AT NEW I.A.P.S. LOCATIONS ADD ANY NEWLY IDENTIFIED I.A.P.S. STANDS TO THE MULTI-ANNUAL TREATMENT PROGRAMME 	COMPLETE 03/23 COMPLETE 03/23 COMPLETE 04/23 COMPLETE 43/23
STAGE 3 SPRING/SUMMER 2023	<ul style="list-style-type: none"> CONTINUE IMPLEMENTATION OF THE MULTI-ANNUAL HERBICIDE TREATMENT PROGRAMME, WITH MINIMUM BI-ANNUAL TREATMENT AND INSPECTION VISITS, SCHEDULED AS REQUIRED AND AS NECESSARY, UNTIL FULL ERADICATION HAS BEEN VALIDATED IF PLANNING PERMISSION IS GRANTED AND DEVELOPMENT OF THE SITE IS SCHEDULED, IN ADVANCE OF FULL ERADICATION BEING VALIDATED, PREPARE AND IMPLEMENT A CONSTRUCTION STAGE I.A.P.S. MANAGEMENT PLAN, TO REMEDIATE THE RESIDUAL INFESTED SOILS, IN ADVANCE OF THE COMMENCEMENT OF ENABLING WORKS AND CONSTRUCTION ACTIVITIES 	TREATMENT 1 : COMPLETE 04/23 TREATMENT 2 : COMPLETE 05/23

SECTION 18 : I.A.P.S. – ADDITIONAL CONSTRUCTION STAGE I.A.P.S. MANAGEMENT MEASURES

REMEDIATION PLAN	
OVERVIEW	<p>THERE IS AN EXISTING AND ONGOING RISK TO ALL PROPERTIES FROM THE INTRODUCTION OF INVASIVE ALIEN PLANT SPECIES ONTO THEIR LANDS FROM THE OUTSIDE. THE PRIMARY PATHS OF INTRODUCTION ARE VIA :</p> <ol style="list-style-type: none"> 1. PHYSICAL SPREAD OF I.A.P.S. PLANTS FROM ADJACENT / ADJOINING LANDS 2. AIRBORNE DISPERSAL OF SEEDS OR OTHER VIABLE I.A.P.S. MATERIAL 3. IMPORTED SOILS AND OTHER FILL/LANDSCAPING MATERIALS CONTAINING VIABLE SEED OR OTHER I.A.P.S. MATERIAL 4. SOIL ON MACHINERY AND VEHICLES CONTAMINATED WITH VIABLE SEEDS OR OTHER I.A.P.S. MATERIAL 5. TOOLS AND FOOTWEAR CONTAINING VIABLE SEED OR OTHER I.A.P.S. MATERIAL <p>CONSTRUCTION WORKS, BY THEIR VERY NATURE, POSE A HEIGHTENED RISK OF THE INTRODUCTION OF I.A.P.S. ONTO DEVELOPMENT SITES, PARTICULARLY VIA ITEMS 3. – 5. ABOVE. THEREFORE STRICT SITE MONITORING / MANAGEMENT PROCEDURES SHOULD BE DEPLOYED THROUGHOUT THE CONSTRUCTION STAGE OF THE SITE DEVELOPMENT PROGRAMME.</p> <p>FOR INFORMATION PURPOSES, THE SCHEMATIC OF THE MILLTOWN PARK DEVELOPMENT PROPOSAL IS INCLUDED BELOW</p>
PRIMARY MANAGEMENT MEASURES	<p>THE CONTRACTOR SHOULD PROVIDE A PROJECT SPECIFIC I.A.P.S. STANDARD OPERATING PROCEDURE DOCUMENT, IN ADVANCE OF WORK COMMENCEMENT. THE DOCUMENT SHOULD BE PREPARED BY AN I.A.P.S. SPECIALIST, AND SHOULD COVER THE BIO-SECURITY MEASURES TO BE TAKEN, INCLUDING THE MAINTENANCE OF RECORDS, TO SCREEN FOR THE INTRODUCTION OF I.A.P.S. AND TO ENABLE THEIR TRACING, IF SUCH AN INTRODUCTION OCCURS, INCLUDING :</p> <ul style="list-style-type: none"> • CONFIRMATION THAT ALL MACHINERY / VEHICLES ARE FREE OF I.A.P.S., PRIOR TO THEIR FIRST INTRODUCTION TO SITE • CERTIFICATION FROM THE SUPPLIERS THAT ALL BATCHES OF IMPORTED SOILS AND OTHER FILL/LANDSCAPING MATERIALS ARE FREE OF I.A.P.S. • A REGULAR SCHEDULE OF SITE INSPECTIONS ACROSS THE I.A.P.S. GROWING SEASONS, FOR THE FULL DURATION OF THE CONSTRUCTION WORKS PROGRAMME
ILLUSTRATIONS	 <p style="text-align: center;">PROPOSED SITE PLAN – DRAWING REPRODUCED COURTESY OF O’MAHONY PIKE ARCHITECTS</p>

MILLTOWN PARK DEVELOPMENT SITE
SANDFORD ROAD
DUBLIN 6

APPENDIX 1
Three Cornered Garlic I.D. Sheet

Non-Native Garlics

Species Description

Scientific names: *Allium* species

AKA: Gerllyg (Welsh)

Native to: Mediterranean, Caucasus and Iran

Habitat: Roadsides, hedge banks, riverbanks, field margins, rough and waste ground and in woodland

Garlics are perennial herbs with bulbs and grass-like leaves, usually smelling of garlic when fresh and crushed. The most widespread invasive garlics in the UK are Three-cornered Garlic *Allium triquetrum* and Few-flowered Garlic *Allium paradoxum*. Other invasive species include Rosy Garlic *Allium roseum* and Keeled Garlic *Allium carinatum*.

The seeds of Three-cornered Garlic are spread naturally by ants. It was established initially in Guernsey in 1849 and is now naturalised and increasingly abundant and widespread in milder areas of the UK, especially in the south and west, with scattered, sometimes short-lived, populations elsewhere.

Few-flowered Garlic spreads by means of bulbils (small bulbs produced above ground). It was first recorded in the wild near Edinburgh in 1863 and can be very invasive in disturbed habitats. It is increasingly abundant throughout its range, especially in southern Scotland and is most common in the east of Britain.

Rosy Garlic was first recorded in the wild in 1837 and is spreading, especially in south-west England. Keeled Garlic has been naturalised since at least 1806, but there is little evidence of a significant increase in range over the last 50 years.



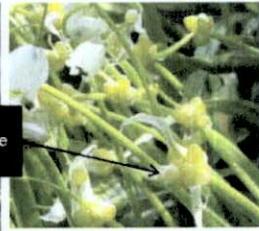
Key ID Features

Few-flowered Garlic

Bulbils (small yellow bulbs produced above ground)

White flowers with faint green stripe and bulbils (small bulbs produced above ground)

Narrow green leaves, only one per bulb, and three-angled stems



Three-cornered and few-flowered garlic

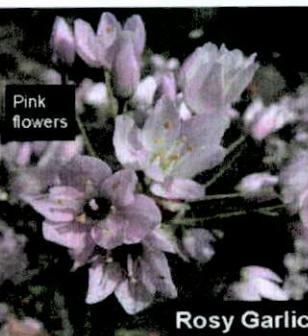


Stem cross section is strongly angled

Rosy garlic



Stem cross section is round



Pink flowers

Rosy Garlic

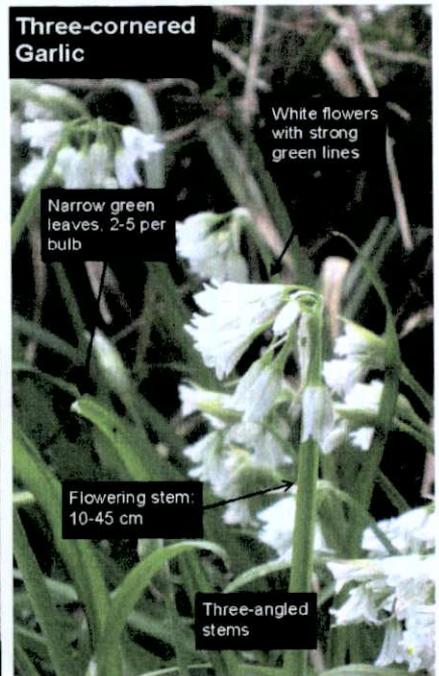
Three-cornered Garlic

White flowers with strong green lines

Narrow green leaves, 2-5 per bulb

Flowering stem: 10-45 cm

Three-angled stems



Identification throughout the year

Three-cornered garlic flowers April to June.

Few-flowered garlic flowers April to May.

Rosy garlic flowers May to June.

Keeled garlic flowers in August.

Leaves are not present over winter as these species die back in cold winters and come up from bulbs in the spring.

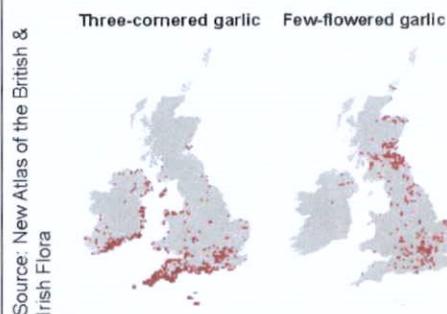
Distribution

Three-cornered garlic is widespread in milder areas, especially the south-west, and has increased in numbers and range.

Few-flowered garlic has a mainly eastern distribution and is increasing throughout its range.

Rosy garlic is scattered in the south and west and is spreading.

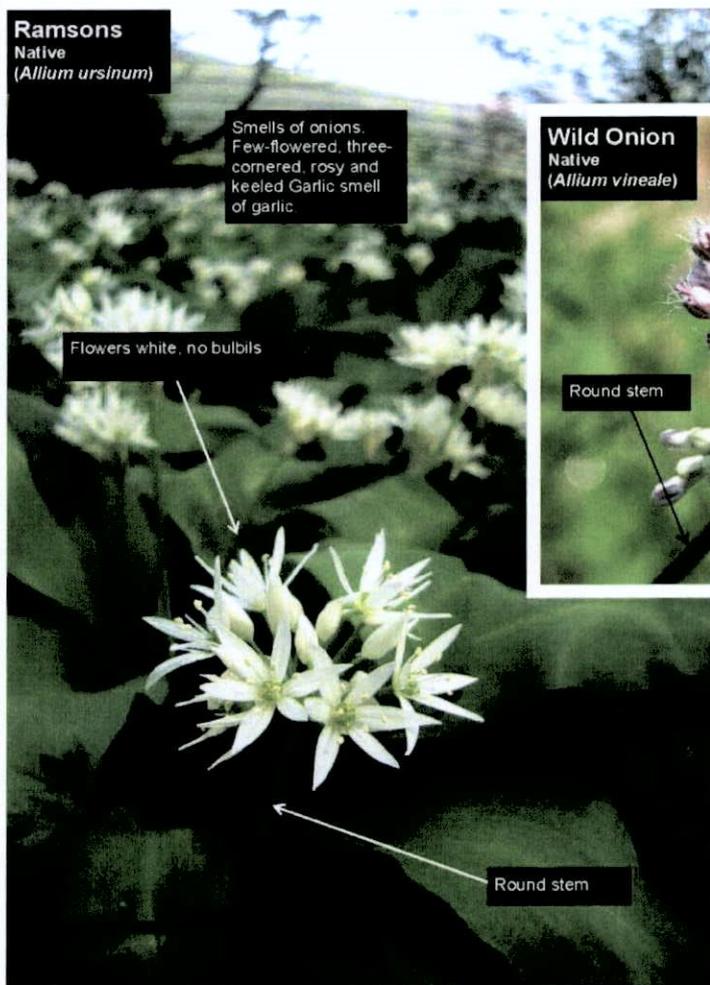
Keeled garlic is scattered throughout the lowlands but does not seem to be increasing.



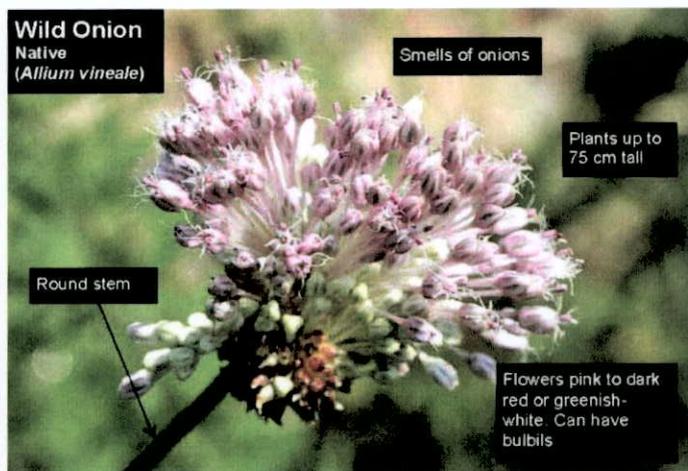
Similar Species

There are a number of native onion and garlic species in the UK with ramsons and wild onion being the most common. There are many species with leaves which are similar to the non-native garlics but the onion/garlic smell is distinctive.

Ramsons
Native
(*Allium ursinum*)



Wild Onion
Native
(*Allium vineale*)



References and further reading:

Preston *et al.* (2002) "New Atlas of the British & Irish Flora". Oxford University Press

Sell, P & Murrell, G (1996) "Flora of Great Britain and Ireland. Volume 5: *Butomaceae-Orchidaceae*". Cambridge University Press

Stace, C (1997) "New Flora of the British Isles". Cambridge University Press

Photos from: Becky Dewdney-York, Nhu Nguyen, William Vann, Max Wade

MILLTOWN PARK DEVELOPMENT SITE
SANDFORD ROAD
DUBLIN 6

APPENDIX 2
Spanish Bluebell I.D. Sheet

WIKIPEDIA

Hyacinthoides hispanica

Hyacinthoides hispanica (*syn.* *Endymion hispanicus* or *Scilla hispanica*), the **Spanish bluebell**, is a spring-flowering bulbous perennial native to the Iberian Peninsula. It is one of around 11 species in the genus *Hyacinthoides*, others including the common bluebell (*Hyacinthoides non-scripta*) in northwestern Europe, and the Italian bluebell (*Hyacinthoides italica*) further east in the Mediterranean region.^[1]

It is distinguished from the common bluebell by its paler and larger blue flowers, which are less pendulous and not all drooping to one side like the common bluebell; plus a more erect flower stem (*raceme*), broader leaves, blue *anthers* (where the common bluebell has creamy-white ones) and little or no *scent* compared to the strong fragrant scent of the northern species. Like *Hyacinthoides non-scripta*, both pink- and white-flowered forms occur.

The Spanish bluebell was introduced in the United Kingdom. Since then, it has hybridised frequently with the native common bluebell and the resulting hybrids are regarded as invasive. The resulting hybrid *Hyacinthoides* × *massartiana* and the Spanish bluebell both produce highly fertile *seed* but it is generally the hybrid that invades areas of the native common bluebell. This has caused the common bluebell to be viewed as a *threatened species*.

The Spanish bluebell is also cultivated as a garden plant, and several named *cultivars* exist with flowers in various shades of white, pink and blue.

References

1. *World Checklist of Selected Plant Families* (<http://apps.kew.org/wcsp/home.do>). The Board of Trustees of the Royal Botanic Gardens, Kew, retrieved 2011-07-05, search for "Hyacinthoides"

General

- The-Tree.org: Bluebell (<https://web.archive.org/web/20060427035443/http://www.the-tree.org.uk/EnchantedForest/WoodlandFlowers/bluebell.htm>) (includes key to identification of hybrids)
- Huxley, A. (1992). *New RHS Dictionary of Gardening* vol. 2: 604. Macmillan.

External links

-  Media related to *Hyacinthoides hispanica* at Wikimedia Commons

Retrieved from "https://en.wikipedia.org/w/index.php?title=Hyacinthoides_hispanica&oldid=889188975"

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Hyacinthoides hispanica



Scientific classification

Kingdom:	Plantae
Clade:	Angiosperms
Clade:	Monocots
Order:	Asparagales
Family:	Asparagaceae
Subfamily:	Scilloideae
Genus:	<i>Hyacinthoides</i>
Species:	<i>H. hispanica</i>

Binomial name

Hyacinthoides hispanica
(Mill.) Chouard ex Rothm.



Native bluebells (*Hyacinthoides non-scripta*)

- Distinctive 'droop' like the top of a shepherd's crook
- Sweet, cool perfume
- Narrow bell-shaped flowers with rolled back tips
- Creamy white pollen

If your bluebells have all of these characteristics then they're native bluebells.



Spanish bluebells (*Hyacinthoides hispanica*) and hybrids

- Upright stems
- No scent
- Conical bell-shaped flowers with open tips
- Blue pollen

If the bluebells you see have some or all of these characteristics then they're not a pure native bluebell.

MILLTOWN PARK DEVELOPMENT SITE
SANDFORD ROAD
DUBLIN 6

APPENDIX 3
Sample Site Signage – I.A.P.S.

INVASIVE PLANT SPECIES

DO NOT CUT

DO NOT TOUCH



THREE CORNERED GARLIC



SPANISH BLUEBELL



GIANT RHUBARB



HIMALAYAN BALSAM



 **invasiveplant solutions**
www.knotweed.ie

Sureprint

SAMPLE SIGN 1



Restricted Access

The soil in this area
contains invasive plant material
and is being treated.

Do not enter unless authorised.

Do not remove soil from this
area without authorisation.

MILLTOWN PARK DEVELOPMENT SITE
SANDFORD ROAD
DUBLIN 6

APPENDIX 4
Sample Site Fencing

PLAN NO: LRD6026/2383
RECEIVED: 13/06/2023



SAMPLE FENCING 1 – POST AND WOVEN MESH FENCING



SAMPLE FENCING 2 – HEAVY DUTY HERRAS FENCING

APPENDIX 9.1

VERIFIED VIEWS

PLAN NO:LRD6026/2383
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Milltown Park, Sandford Road Dublin 6

Aerials, CGIs and Verified Views
Applicant: Sandford Living Ltd

April 2023