

A20.6

Review of Potential Contamination Sources

Source No.	Description	Easting	Northing	Section	Nearest Chainage	Distance from Centreline (m)	Distance / Direction from Works Boundary	Information and assessment Summary	Severity	Construction Likelihood	Construction Risk	Operation Likelihood	Operation Risk
C1	Historic Pump (1888-1937)	718653	748951	AZ1	1000	145	55m NW	Small area with low potential for contamination within a greenfield area. Not specifically targeted by GI within 5m of location footprint. At distance from Works Area, unlikely to be source of contaminants and unlikely to be disturbed by construction or operational activities.	Minor	Unlikely	Negligible	Unlikely	Negligible
C2	Historic Quarry (1837-1864)	718397	748848	AZ1	1000	225	90m W	Small area within a greenfield area, unknown fill type. Not specifically targeted by GI within 5m of location footprint. At distance from Works Area, fill could be potential source of contaminants however unlikely to be disturbed by construction or operational activities.	Mild	Unlikely	Negligible	Unlikely	Negligible
C3	Farm (present)	718849	748709	AZ1	1080	175	0m	Small to moderate area of farm buildings with low potential for contamination. Not specifically targeted by GI. Adjacent to Works Area, possibility for minor contamination however unlikely to be disturbed by construction or operational activities.	Minor	Low Likelihood	Negligible	Low Likelihood	Negligible
C4	Historic Pump (1888-1913)	718356	748664	AZ1	1140	275	130m W	Small area with low potential for contamination within a greenfield area. Not specifically targeted by GI within 5m of location footprint. At distance from Works Area, unlikely to be source of contaminants and unlikely to be disturbed by construction or operational activities.	Minor	Unlikely	Negligible	Unlikely	Negligible
C5	Tank, unspecified (2008-present)	718864	748658	AZ1	1140	210	0m	Small area with low potential for contamination associated with farm buildings (C3). Not specifically targeted by GI within 5m of location footprint. Small scale tank associated with farm of unknown type, possibility for minor contamination however unlikely to be disturbed by construction or operation activities.	Minor	Low Likelihood	Negligible	Low Likelihood	Negligible
C6	Historic Pump (1864-1913)	718295	748619	AZ1	1180	340	205m WSW	Small area with low potential for contamination within a greenfield area. Not specifically targeted by GI within 5m of location footprint. At distance from Works Area, unlikely to be source of contaminants and unlikely to be disturbed by construction or operational activities.	Minor	Unlikely	Negligible	Unlikely	Negligible
C7	Cold Storage and Distribution depot (present) Construction date unknown	718879	748187	AZ1	1540	110	10m S	Extensive area, current industrial activity however with fairly low potential for pollution (may have fuel storage and distribution facilities though). Not specifically targeted by GI within 5m of location footprint, however existing information suggests there is no widespread contamination within this area. Unlikely to be disturbed by construction or operational activities.	Mild	Unlikely	Negligible	Unlikely	Negligible
C8	Historic Pumping Station (1937)	718578	748207	AZ1	1600	60	0m	Small area with low potential for contamination, at edge of Works Area. Not specifically targeted by GI within 5 m of location footprint.	Minor	Low Likelihood	Negligible	Unlikely	Negligible
C9	Industrial estate (present) Construction date unknown	718408	748059	AZ1	1660	125	65m SW	Moderate area with low potential for contamination (commercial / office properties rather than heavy industrial). Not specifically targeted by GI within 5 m of	Minor	Unlikely	Negligible	Unlikely	Negligible

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								source footprint. Nearest GI locations suggest contamination is not widespread in this area.					
C10	Factory (2008-present)	718729	748012	AZ1	1760	55	35m SE	Moderate area occupied by current industrial activity (Bostik Industries Limited). Active site subject to pollution controls. Not specifically targeted by GI, nearest GI locations suggest contamination not widespread in area.	Mild	Unlikely	Negligible	Unlikely	Negligible
C11	Scrapyard (present) Construction date unknown	718830	747892	AZ1	1820	210	195m NE	Small to moderate area with some potential for pollution depending on environmental protection measures in place. Not specifically targeted by GI within 5 m of source footprint. Adjacent potential sources likely to provide greater risk.	Mild	Unlikely	Negligible	Unlikely	Negligible
C12	Multiple historic Gravel pits (1937)	718723	747810	AZ1	1940	160	30m N	Moderate area, unknown fill type, adjacent to Sewage works (C14). Not specifically targeted by GI within 5m of location footprint, former gravel pits closer to proposed Project likely to provide greater risk.	Mild	Unlikely	Negligible	Unlikely	Negligible
C13	Historic Gravel Pit (1837-1842)	718312	747907	AZ1	1960	160	60m WNW	Moderate sized area, now under Balheary Industrial Park and outside Works Area. Unknown fill type. Not specifically targeted by GI within 5m of location footprint.	Mild	Unlikely	Negligible	Unlikely	Negligible
C14	Sewage Works (1937-present)	718824	747751	AZ1	2000	190	0m	Extensive area, currently active, built on site of former gravel pits. Minor interaction with Works Area (Intersects end of access road which is part of Works Area). Actively managed site subject to pollution controls. Not specifically targeted by GI within 5m of location footprint, nearest GI locations suggest contamination not widespread in area.	Medium	Low likelihood	Moderate/Low	Unlikely	Low
C15	Historic Gravel Pit (1837-1842)	718556	747680	AZ1	2140	30	0m	Small area. 1 No. ground investigation location within footprint (NBH405) recorded made ground to 1.20mbgl comprising sandy gravelly clay with fragments of plastic, ceramics, pottery, brick, concrete and fabric. No obvious discolouration / odours noted. Intersects edge of Works Area and some disturbance may occur.	Mild	Low Likelihood	Low	Unlikely	Negligible
C16	Historic Gravel Pit (1888-1913)	718643	747657	AZ1	2180	65	0m	Moderate sized area, unknown fill type. Not specifically targeted by GI within 5m of location footprint. Nearest GI locations suggest contamination not widespread in area. Crossed by access road as part of Works Area.	Mild	Low Likelihood	Low	Unlikely	Negligible
C17	Industrial estate (present) Construction date unknown	718004	747429	AZ1	2220	410	205m WSW	Moderate to extensive area, commercial / office units rather than industrial use. Not specifically targeted by GI within 5m of location footprint. Nearest GI locations suggest contamination not widespread in area. At distance from Works Area, unlikely to interact with construction and operational activities.	Minor	Unlikely	Negligible	Unlikely	Negligible
C18	Fire Station (2008-present)	718219	747521	AZ1	2240	275	80m W	Small area, current potential source. Not a training facility with low contamination potential (possible source of firefighting foam and materials containing PFAS). Not specifically targeted by GI within 5m of site footprint. Nearest GI locations suggest contamination not widespread in area	Mild	Unlikely	Negligible	Unlikely	Negligible

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C19	Garage (present) Construction date unknown	718404	747549	AZ1	2240	90	10m S	Small area with low potential for contamination. Not specifically targeted by GI within 5m of location footprint. Nearest GI locations suggest contamination not widespread in area	Mild	Unlikely	Negligible	Unlikely	Negligible
C20	Electricity Stations (1930-1937)	718233	747472	AZ1	2280	275	90m SW	Small historic area with low potential for contamination. Not specifically targeted by GI within 5m of location footprint. Nearest GI locations suggest contamination not widespread in area	Minor	Unlikely	Negligible	Unlikely	Negligible
C21	Industrial unit (present) Construction date unknown	718353	747510	AZ1	2280	120	10m S	Small area, commercial / office use with low potential for contamination (rather than industrial). Not specifically targeted by GI within 5m of location footprint. Nearest GI locations suggest contamination not widespread in area.	Minor	Unlikely	Negligible	Unlikely	Negligible
C22	Factory area with tanks (present) Construction date unknown	718055	747210	AZ1	2320	330	190m SW	Extensive area of industrial land use (SK Biotek Ireland). Active site subject to pollution controls. Not specifically targeted by GI within 5m of location footprint. Nearest GI locations suggest contamination not widespread in area. At distance from Works Area, unlikely to interact with construction and operational activities.	Mild	Unlikely	Negligible	Unlikely	Negligible
C23	Historic Pump (1906)	718338	747360	AZ1	2380	220	190m WSW	Small area with low potential for contamination. Not specifically targeted by GI within 5m of location footprint. At distance from Works Area, unlikely to be source of contaminants and unlikely to be disturbed by construction or operational activities.	Minor	Unlikely	Negligible	Unlikely	Negligible
C24	Historic Quarry (1837-1864)	718362	747277	AZ1	2440	240	180m WSW	Small area, unknown fill type. Not specifically targeted by GI within 5m of location footprint. At distance from Works Area, unlikely to be disturbed by or interact with construction or operational activities	Mild	Unlikely	Negligible	Unlikely	Negligible
C25	Multiple historic Gravel pits (1937)	718991	747573	AZ1	2560	330	195m ESE	Small area, unknown fill type. Not specifically targeted by GI within 5m of location footprint. At distance from Works Area, unlikely to be disturbed by or interact with construction or operational activities	Mild	Unlikely	Negligible	Unlikely	Negligible
C26	Historic Gravel Pit (1888-1937)	718952	747418	AZ1	2600	300	265m ENE	Small area, unknown fill type. Not specifically targeted by GI within 5m of location footprint. At distance from Works Area, unlikely to be disturbed by or interact with construction or operational activities	Minor	Unlikely	Negligible	Unlikely	Negligible
C27	Industrial estate / distribution depot (present) Construction date unknown	718904	747257	AZ1	2700	75	0m	Moderate area comprising commercial and transport units (rather than heavy industry) which are subject to environmental controls. Intersects edge of Works Area so interactions likely to be minimal. Not specifically targeted by GI within 5m of location footprint. Nearest GI locations suggest contamination not widespread in area.	Mild	Unlikely	Negligible	Unlikely	Negligible
C28	Tank (2008-2016)	718835	747161	AZ1	2740	120	25m E	Small area, current potential source, subject to environmental controls, unknown tank type with some potential for contamination however interactions with proposed Project not expected. Not specifically targeted by GI within 5m of location footprint. Nearest GI locations suggest contamination not widespread in area.	Mild	Unlikely	Negligible	Unlikely	Negligible

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C29	Historic Tank and Pump (1906-1937)	718920	747153	AZ1	2760	190	25m N	Small area, low potential for contamination. Not specifically targeted by GI within 5m of location footprint. Nearest GI locations suggest contamination not widespread in area.	Minor	Unlikely	Negligible	Unlikely	Negligible
C30	Pump (1906-1937)	718422	747031	AZ1	2800	290	110m WSW	Small area, low potential for contamination. Not specifically targeted by GI within 5m of location footprint. At distance from Works Area, unlikely to be disturbed by or interact with construction or operational activities	Minor	Unlikely	Negligible	Unlikely	Negligible
C31	Various Tanks (2008-present)	718827	746971	AZ1	2880	60	0m	Tanks of unknown type associated with building (Hertz Europe), active and will be subject to environmental controls. Not specifically targeted by GI within 5m of location footprint. Nearest GI locations suggest contamination not widespread in area. At edge of Works Area however direct disturbance of these tanks as part of construction or operation considered unlikely.	Mild	Unlikely	Negligible	Unlikely	Negligible
C32	Industrial Estate (present) Construction date unknown	719143	746972	AZ1	3020	335	125m E	Moderate area, commercial / office use rather than industrial. Not specifically targeted by GI within 5m of location footprint. Nearest GI locations suggest contamination not widespread in area. At distance from Works Area, unlikely to be disturbed by or interact with construction or operational activities.	Mild	Unlikely	Negligible	Unlikely	Negligible
C33	Industrial estate (present) Construction date unknown, extended 2008	718947	746775	AZ1	3020	80	0m	Moderate area, commercial / office use rather than industrial. Not specifically targeted by GI within 5m of location footprint. Nearest GI locations suggest contamination not widespread in area. At edge of Works Area however presence of a viable pollutant linkage considered unlikely.	Mild	Unlikely	negligible	Unlikely	Negligible
C34	Tank (2008-present)	718551	746814	AZ1	3060	180	125m W	Small area, current potential source, unknown type of tank. Not specifically targeted by GI within 5m of location footprint. At distance from Works Area, unlikely to be disturbed by or interact with construction or operational activities	Mild	Unlikely	Negligible	Unlikely	Negligible
C35	Graveyard (1864/5-present)	718407	746768	AZ1	3140	200	110m WNW	Moderate area, current potential source, low potential for pollution. Not specifically targeted by GI within 5m of location footprint. At distance from Works Area, unlikely to be disturbed by or interact with construction or operational activities	Mild	Unlikely	Negligible	Unlikely	Negligible
C36	Various Tanks (2008-present)	718896	746711	AZ1	3140	120	40m SE	Moderate area, current industrial activity (associated with Siemens Healthcare Diagnostics), subject to environmental controls. Not specifically targeted by GI within 5m of location footprint. Nearest GI locations suggest contamination not widespread in area.	Mild	Unlikely	Negligible	Unlikely	Negligible
C37	Factory (2008-present)	718865	746637	AZ1	3200	75	20m SE	Moderate area current industrial activity (Siemens Healthcare Diagnostics), subject to environmental controls. Not specifically targeted by GI within 5m of location footprint. Nearest GI locations suggest contamination not widespread in area.	Mild	Unlikely	Negligible	Unlikely	Negligible

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C38	Factory/Storage areas (2008-present)	719012	745808	AZ1	3680	390	115m SE	Extensive area, current industrial activity (MSD Biotech), subject to environmental controls. Not specifically targeted by GI within 5m of location footprint. Nearest GI locations suggest contamination not widespread in area. At distance from Works Area, unlikely to interact with construction and operational activities.	Mild	Unlikely	Negligible	Unlikely	Negligible
C39	Historic Pump (1888-1913)	718301	746458	AZ1	3780	305	90m NW	Small area, now Pavilions Shopping Centre. Low potential for pollution. Not specifically targeted by GI within 5m of location footprint. At distance from Works Area, unlikely to be source of contaminants and unlikely to be disturbed by construction or operational activities.	Minor	Unlikely	Negligible	Unlikely	Negligible
C40	Electricity Substations (2008-present)	718316	745998	AZ1	3980	25	10m SW	Current industrial use associated with Airside Business Park. Low potential for pollution. Not specifically targeted by GI within 5m of location footprint. Nearest GI locations suggest contamination not widespread in area	Minor	Unlikely	Negligible	Unlikely	Negligible
C41	Gravel Pit 1837	717997	746113	AZ1	4200	145	100m NNW	Small area, unknown fill type. Not specifically targeted by GI within 5m of location footprint. At distance from Works Area, unlikely to be disturbed by or interact with construction or operational activities	Mild	Unlikely	Negligible	Unlikely	Negligible
C42	Gravel Pit 1837	717939	746111	AZ1	4260	175	125m NW	Small area, unknown fill type. Not specifically targeted by GI within 5m of location footprint. At distance from Works Area, unlikely to be disturbed by or interact with construction or operational activities	Mild	Unlikely	Negligible	Unlikely	Negligible
C43	Pump and Tank (1937)	718097	745793	AZ1	4280	170	5m S	Small area with low potential for contamination. Not specifically targeted by GI within 5m of location footprint. Unlikely to be source of contaminants and unlikely to be disturbed by construction or operational activities.	Minor	Unlikely	Negligible	Unlikely	Negligible
C44	Pump (1937-1975)	717702	745337	AZ1	5000	5	0m	Small area, low potential for pollution. Adjacent ground investigation information (TP203) recorded made ground to 1.70mbgl comprising sandy gravel or sandy gravelly clay with fragments of wood, brick, plastic and road cones. No obvious evidence of discolouration, unusual odours or sheens.	Minor	Low Likelihood	Negligible	Unlikely	Negligible
C45	Texaco Petrol Station (present) Construction date unknown, extended 2008	717641	745228	AZ1	5160	15	5m W	Small area, current potential source with possibility of fuel leaks / spills. 1 No. ground investigation location within site footprint (TP204). Made ground recorded up to 0.80mbgl comprising gravelly sand with concrete and plastic. No obvious evidence of discolouration, unusual odours or sheens.	Medium	Low likelihood	Moderate/Low	Unlikely	Low
C46	Car Dismantler Yard (present) Construction date unknown	717679	745069	AZ1	5220	0	0m	Moderate area, current potential source (Boland Car Dismantler) with possibility of fuel and lubricant leaks / spills. Not specifically targeted by GI within 5m of location footprint (no access available) although nearby locations suggest contamination is not widespread in the surrounding area.	Medium	Likely	Moderate	Unlikely	Low
C47	Tank (covered) (1937)	717394	744990	AZ1	5440	185	50m WNW	Small area with low potential for contamination. Not specifically targeted by GI within 5m of location footprint.	Minor	Unlikely	Negligible	Unlikely	Negligible

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								At distance from Works Area, unlikely to be source of contaminants and unlikely to be disturbed by construction or operational activities.					
C48	Concrete supplier (present) Construction date unknown	717336	744995	AZ1	5480	175	40m WNW	Moderate area, concrete products supplier (McComish Ltd). Not specifically targeted by GI within 5m of location footprint. Nearby locations suggest contamination is not widespread in the surrounding area. Interactions with construction and operation activities likely to be minimal.	Mild	Unlikely	Negligible	Unlikely	Negligible
C49	Farm (1837-present)	717956	744808	AZ1	5480	290	160m SE	Small to moderate area of farm buildings with low potential for contamination. Not specifically targeted by GI. At distance from Works Area possibility for minor contamination however unlikely to be disturbed by construction or operational activities.	Minor	Unlikely	Negligible	Unlikely	Negligible
C50	Pump (1888-1975)	717840	744778	AZ1	5500	295	180m SE	Small area with low potential for contamination. Not specifically targeted by GI within 5m of location footprint. Unlikely to be source of contaminants and unlikely to be disturbed by construction or operational activities.	Minor	Unlikely	Negligible	Unlikely	Negligible
C51	Tank (1937)	717389	744697	AZ1	5720	95	60m NW	Small area with low potential for contamination. Not specifically targeted by GI within 5m of location footprint. Unlikely to be source of contaminants and unlikely to be disturbed by construction or operational activities.	Negligible	Unlikely	Negligible	Unlikely	Negligible
C52	Vehicle storage area / earthworks (2002-2013)	717400	744338	AZ2	6040	0	Within	Small area, potential for pollution however not clear if breaking activities are undertaken. 3 No. ground investigation locations within footprint (TP212, ATP25 and ABH09) recorded made ground up to 0.4m thick (sandy gravelly clay with stone fragments) or obvious evidence of discolouration, unusual odours or oil sheens. Within Works Area at the north portal, disturbance of ground in area likely.	Mild	Likely	Moderate/Low	Unlikely	Negligible
C53	Earthworks / Storage units (2008-present)	717316	744026	AZ2	6200	0	30m SW	Moderate to extensive area, potential fuelling/storage area with potential for pollution. 2 No ground investigation location within site footprint (RC302, ABH10). Made ground recorded in RC302 only up to 1.2mbgl comprising sandy gravel and sandy clay. No obvious evidence of discolouration, unusual odours or oil sheens. Not within works Area although above tunnel alignment, direct disturbance of site unlikely.	Mild	Unlikely	negligible	Unlikely	Negligible
C54	Airport hardstanding and storage areas (present) Construction date unknown	716620	743367	AZ2	6640	0	160m NE	Extensive area covered by hard standing used for aircraft movement and fuelling. Currently subject to environmental management and pollution prevention measures. 5 No ground investigation locations recorded within site footprint (RC309, RC311, BH60, ABH11, ABH15). Made ground up to 3.65mbgl comprising sandy gravel, asphalt and sandy clay with brick, wood and plastic fragments recorded in the vicinity of the tunnel alignment. Made ground up to 5.80mbgl comprising sandy clay with plastic recorded approximately 600m from the proposed Project centreline. No obvious evidence of discolouration, unusual odours or oil sheens.	Mild	Unlikely	Negligible	Unlikely	Negligible

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								Direct disturbance associated with this source is unlikely although it is noted that historic activities have the potential to have resulted in pollution.					
C55	Various tanks and Electricity Substations (2008-present)	717266	743641	AZ2	6760	145	200m ENE	Small area, current potential source, tanks of unknown type. Not specifically targeted by GI within 5m of location footprint. Unlikely to be disturbed by construction or operational activities.	Mild	Unlikely	Negligible	Unlikely	Negligible
C56	Pump (1864-present)	717097	743678	AZ2	6780	35	140m NE	Small area, low potential for pollution. Not specifically targeted by GI within 5m of location footprint. Unlikely to be disturbed by construction or operational activities.	Minor	Unlikely	Negligible	Unlikely	Negligible
C57	Airport buildings and infrastructure (present) Construction date unknown	717024	743668	AZ2	6780	0	60m NE	Extensive current area with of airport passenger and administration buildings, pollution potential considered to be limited. 2 No ground investigation locations recorded within footprint of buildings (BH303, RC303A). Made ground recorded up to 0.50mbgl comprising sandy gravelly clay. No obvious evidence of discolouration, unusual odours or oil sheens. Buildings do not overlap with Works Area however overlie tunnel alignment.	Mild	Unlikely	Negligible	Unlikely	Negligible
C58	Circle K Petrol Station (present) Construction date unknown	717328	743532	AZ2	6800	295	295m E	Small area, current potential source with possibility of fuel leaks / spills. Not specifically targeted by GI within 5m of location footprint. Unlikely to be disturbed by construction or operational activities given distance form proposed Project.	Medium	Unlikely	Low	Unlikely	Low
C59	Historic Quarry (1837-1937)	716952	743455	AZ2	6980	0	0m	Moderate area. 14 No. ground investigation locations within 5m of site footprint. Made ground comprising gravel or gravelly sandy clay recorded to depths of 0.40 to 2.7 mbgl. Anthropogenic material includes concrete, rebar and/or brick and possible domestic waste in one location. Exceedances of residential and commercial GAC for PAHs and chromium. Metallic, inorganic and organic (PAH, TPH) contaminants identified in groundwater. Excavation / disturbance of ground will be required as part of construction of Dublin Airport station.	Medium	Likely	Moderate	Unlikely	Low
C60	Historic Collinstown Aerodrome with hangars, pumps and tanks (1937)	716737	743469	AZ2	7260	0	45m NE	Moderate area with potential for historic contamination such as hydrocarbon from fuelling operations. Not specifically targeted by GI within 5m of location footprint. Metallic, inorganic and organic (PAH, TPH) contaminants identified in groundwater nearby.	Medium	Low likelihood	Moderate/Low	Unlikely	Low
C61	Airport buildings and infrastructure (present) Construction date unknown	717045	743084	AZ2	7280	0	125m SW	Extensive current area with of airport passenger and administration buildings, pollution potential considered to be limited. 1 No ground investigation location recorded within site footprint. Made ground recorded to 1.10mbgl comprising reinforced concrete and sandy gravel. No obvious evidence of discolouration, unusual odours or oil sheens. Buildings do not overlap with Works Area however overlie tunnel alignment.	Mild	Unlikely	Negligible	Unlikely	Negligible

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C62	Pumps (x2) (1864-1937)	716745	743056	AZ2	7460	0	315m NNE	Small area, low, historical potential for pollution. Not specifically targeted by GI within 5m of location footprint. Unlikely to be disturbed by construction or operational activities given distance from Works Area.	Minor	Unlikely	Negligible	Unlikely	Negligible
C63	Pump (1937)	716557	742796	AZ2	7780	35	515m NE	Small area, low, historical potential for pollution. Not specifically targeted by GI within 5m of location footprint. Unlikely to be disturbed by construction or operational activities given distance from Works Area.	Minor	Unlikely	Negligible	Unlikely	Negligible
C64	Pump (1906-1937)	716067	742079	AZ3	8720	50	0m	Small area, low, historical potential for pollution. 1 No. ground investigation location within 5m of the site footprint (MN/104/TP/006) recorded made ground to 1.40mbgl comprising clay and sand with rubble, concrete, bricks, plastic and steel (may not be associated with this historical source). No obvious evidence of discolouration, unusual odours or oil sheens.	Minor	Low likelihood	Negligible	Unlikely	Negligible
C65	Tanks (2008-present)	716045	741798	AZ3	8940	110	85m SE	Moderate area, current potential source, unknown tank type (likely water treatment / wastewater treatment works). Not specifically targeted by GI within 5m of location footprint. Unlikely to be disturbed by construction or operational activities given distance from Works Area.	Mild	Unlikely	Negligible	Unlikely	Negligible
C66	Pump (1937)	715475	741734	AZ3	9340	145	0m	Small area, low potential for pollution. Not specifically targeted by GI within 5m of location footprint. Within Works Area so disturbance is possible during construction however minor historical source.	Minor	Low likelihood	Negligible	Unlikely	Negligible
C67	Cooking oil wholesaler including storage tanks (present) Construction date unknown	715757	741586	AZ3	9380	50	0m	Moderate area, current industrial activity, subject to environmental controls. Not specifically targeted by GI within 5m of location footprint. Nearby GI suggests contamination is not widespread in area. At boundary of Works Area direct disturbance of this potential source is unlikely, however immediate area may be affected.	Mild	Low likelihood	Low	Unlikely	Negligible
C68	Commercial unit / area of potential tipping and storage (2002-present)	715172	741436	AZ3	9500	270	35m W	Moderate area, current commercial activity. Not specifically targeted by GI within 5m of location footprint. Possible material storage and tipping with unknown environmental controls. Unlikely to be disturbed by construction or operational activities given distance from Works Area.	Mild	Low likelihood	Negligible	Unlikely	Negligible
C69	Vehicle test centre / earthworks (present) Construction date unknown, earthworks / potential tipping from 2003	715702	741440	AZ3	9640	15	0m	Moderate area, current commercial activity including vehicle testing, storage and maintenance. Not specifically targeted by GI within 5m of location footprint. Nearby GI suggests contamination is not widespread in area. At boundary of Works Area direct disturbance of this potential source is unlikely, however immediate area may be affected.	Mild	Low likelihood	Low	Unlikely	Negligible
C70	Distribution depot / vehicle storage area (2002-present)	715950	741181	AZ3	9860	135	100m E	Moderate area, current industrial activity, subject to environmental controls (may have fuel storage and distribution facilities). Not specifically targeted by GI within 5m of location footprint.	Mild	Unlikely	Negligible	Unlikely	Negligible

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C71	Pumps (1837-1937)	715465	741061	AZ3	9980	60	20m NW	Small area, low, historical potential for pollution. Not specifically targeted by GI within 5m of location footprint. Unlikely to be disturbed by construction or operational activities given distance from Works Area.	Minor	Unlikely	Negligible	Unlikely	Negligible
C72	Circle K Petrol Station (present) Construction date unknown	715397	740627	AZ3	10400	65	0m	Small area, current potential source with possibility of fuel leaks / spills. Not specifically targeted by GI within 5m of location footprint. Adjacent to Works Area boundary so direct disturbance unlikely, however any leaks / spills to the subsurface may affect construction.	Medium	Low likelihood	Moderate/Low	Unlikely	Low
C73	Electricity substation (2008-present)	714895	740919	AZ3	10420	450	165m W	Small area, low pollution potential. Not specifically targeted by GI within 5m of location footprint. At distance from Works Area, unlikely to be disturbed by construction or operational activities.	Minor	Unlikely	Negligible	Unlikely	Negligible
C74	Tanks (Current) (2008-present)	714983	740820	AZ3	10440	360	90m W	Small area, current potential source associated with commercial estate. Not specifically targeted by GI within 5m of location footprint. At distance from Works Area, unlikely to be disturbed by construction or operational activities.	Mild	Unlikely	Negligible	Unlikely	Negligible
C75	Industrial estate (present) Construction date unknown	714953	740691	AZ3	10580	185	0m W	Moderate area, current commercial / office buildings rather than industrial activity so low pollution potential. Not specifically targeted by GI within 5m of location footprint. Next to Works Area boundary however unlikely to be disturbed by construction and operation activities.	Mild	Unlikely	Negligible	Unlikely	Negligible
C76	Derelict building/area of earthworks (present) Construction date unknown	715200	740456	AZ3	10620	0	Within	Small area, low potential for pollution. Not specifically targeted by GI within 5m of location footprint. Composition of any made ground unknown. Adjacent to works Area however unlikely to be directly disturbed by construction and operation activities although immediate area may be affected.	Minor	Low likelihood	Negligible	Unlikely	Negligible
C77	Pump (1906-1937)	715443	740440	AZ3	10680	175	20m NE	Small area, low, historical potential for pollution. Not specifically targeted by GI within 5m of location footprint. Unlikely to be disturbed by construction or operational activities given distance from Works Area.	Minor	Unlikely	Negligible	Unlikely	Negligible
C78	Ballymun Shopping centre (derelict) and potential tanks. Constructed 1960s	715331	739861	AZ4 - Ballymun	11280	0	0m	Moderate area, derelict shopping centre. Adjacent GI locations recorded made ground to 4.1mbgl comprising sandy gravel or sandy gravelly clay over concrete. No obvious evidence of discolouration, unusual odours or oil sheens. Hydrocarbons / VOCs identified in soil and groundwater which could potentially present a risk, exact source not identified. Contamination potential not considered to be high however area will be directly disturbed during construction.	Mild	Likely	Moderate/Low	Unlikely	Negligible
C79	Historic Tank (elevated) (1937-1975)	715449	739802	AZ4 - Ballymun	11320	35	0m	Part of the now derelict Ballymun shopping centre, historic tanks of unknown types. Small area, some potential of residual pollution. Tanks not specifically targeted by GI	Mild	Likely	Moderate/Low	Unlikely	Negligible

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								within 5m of location footprint. Area of shopping centre will be directly disturbed during construction.					
C80	Pumps (x2) (1864-1975)	715503	739476	AZ4	11640	90	255m S	Small area associated with buildings to east of Trinity Comprehensive School. Low potential for pollution. Not specifically targeted by GI within 5m of location footprint. Unlikely to be disturbed by construction or operational activities given distance from Works Area.	Minor	Unlikely	Negligible	Unlikely	Negligible
C81	Historic Pump (1888-1937)	715420	739435	AZ4	11680	5	290m S	Small area, low potential for pollution. Not specifically targeted by GI within 5m of location footprint. Unlikely to be disturbed by construction or operational activities given distance from Works Area.	Minor	Unlikely	Negligible	Unlikely	Negligible
C82	Electricity Substations and tank (2008-present)	715391	739403	AZ4	11720	15	280m N	Small area, low pollution potential. Not specifically targeted by GI within 5m of location footprint. At distance from Works Area, unlikely to be disturbed by construction or operational activities.	Minor	Unlikely	Negligible	Unlikely	Negligible
C83	Pump (1864-1906)	715510	739100	AZ4 - Collins Avenue	12020	100	0m	Small area, low potential for pollution. Not specifically targeted by GI within 5m of location footprint. Within Works Area so disturbance is possible during construction however minor historical source.	Minor	Low Likelihood	Negligible	Unlikely	Negligible
C84	Electricity Substations (2008-present)	715472	739088	AZ4 - Collins Avenue	12020	40	0m	Small area, low potential for pollution. 1 No. ground investigation location within 5m of site footprint (TP601) recorded made ground to 0.80mbgl comprising sandy gravel. No obvious evidence of discolouration, unusual odours or oil sheens. At northern boundary of Works Area, disturbance may occur during construction.	Minor	Low likelihood	Negligible	Unlikely	Negligible
C85	Pumps (x2) (1864-1937)	715672	738345	AZ4	12720	260	200m E	Small area, low potential for pollution. Not specifically targeted by GI within 5m of location footprint. Unlikely to be disturbed by construction or operational activities given distance from Works Area.	Minor	Unlikely	Negligible	Unlikely	Negligible
C86	Circle K Petrol Station (present) Construction date unknown	715351	738249	AZ4	12900	25	35m W	Small area, current potential source with possibility of fuel leaks / spills. Not specifically targeted by GI within 5m of location footprint. 35 m from Works Area boundary so direct disturbance unlikely, however any leaks / spills to the subsurface may affect construction.	Medium	Low likelihood	Moderate/Low	Unlikely	Low
C87	Electricity Substations (2008-present)	715304	738190	AZ4	12940	75	105m SW	Small area, low pollution potential. Not specifically targeted by GI within 5m of location footprint. At distance from Works Area, unlikely to be disturbed by construction or operational activities.	Minor	Unlikely	Negligible	Unlikely	Negligible
C88	Oil-filled Cable Leak 29 (Unidare – Whitehall 38kV) – 450l Linear Alkyl Benzene	715431	737889	AZ4	13220	0	340m S	Small area, known pollution event. Not specifically targeted by GI within 5m of location footprint. At distance from Works Area so direct disturbance unlikely however above the tunnel alignment.	Medium	Unlikely	Low	Unlikely	Low
C89	Historic Tank (1937)	715372	737864	AZ4	13240	50	390m S	Small area, low pollution potential. Not specifically targeted by GI within 5m of location footprint. At distance from Works Area, unlikely to be disturbed by construction or operational activities.	Minor	Unlikely	Negligible	Unlikely	Negligible

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C90	Historic Tank (1937)	715386	737694	AZ4	13420	70	305m N	Small area, low pollution potential. Not specifically targeted by GI within 5m of location footprint. At distance from Works Area, unlikely to be disturbed by construction or operational activities.	Minor	Unlikely	Negligible	Unlikely	Negligible
C91	Graveyard (1864-present)	715257	737666	AZ4	13500	180	275m NW	Small area, low pollution potential. Not specifically targeted by GI within 5m of location footprint. At distance from Works Area, unlikely to be disturbed by construction or operational activities.	Minor	Unlikely	Negligible	Unlikely	Negligible
C92	Bon Secours Hospital (1951-present)	715263	737603	AZ4 - Griffith Park	13540	125	180m NW	Moderate area, current potential source, low potential for pollution (potential for back-up generator on site with associated fuel storage). Not specifically targeted by GI within 5m of location footprint. At distance from Works Area, unlikely to be disturbed by construction or operational activities.	Minor	Unlikely	Negligible	Unlikely	Negligible
C93	Burial Ground 1888-1913	715125	737424	AZ4 - Griffith Park	13740	300	250m NW	Small area, low pollution potential. Not specifically targeted by GI within 5m of location footprint. At distance from Works Area, unlikely to be disturbed by construction or operational activities.	Minor	Unlikely	Negligible	Unlikely	Negligible
C94	Potentially infilled ground/burial ground	715440	737267	AZ4 - Griffith Park	13840	0	Within	Moderate area. 2 No. ground investigation locations within site footprint (NBH17). Made ground recorded up to 2.30mbgl comprising sandy gravelly silt with fragments of brick, glass and wood. No soil GAC exceedances. No obvious evidence of discolouration, unusual odours or oil sheens. Will be directly disturbed by construction of Griffith Park station.	Mild	Likely	Moderate/Low	Unlikely	Negligible
C95	Electricity Substations (2008-present)	715363	737189	AZ4 - Griffith Park	13940	45	5m W	Small area, low pollution potential. Not specifically targeted by GI within 5m of location footprint. Unlikely to be disturbed by construction or operational activities.	Minor	Unlikely	Negligible	Unlikely	Negligible
C96	Tobacco Factory/printworks (post 1888-present)	715241	736691	AZ4	14460	45	470m NNE	Moderate area, now derelict former tobacco factory. Some potential for residual contamination. Not specifically targeted by GI within 5m of location footprint, nearby GI locations suggests contamination not widespread in area. Unlikely to be directly disturbed by construction or operation given distance from Works Area.	Mild	Unlikely	Negligible	Unlikely	Negligible
C97A	Glasnevin Cemetery (1830- present)	714578	737158	AZ4	14540	140	350m SW	Large area, current potential source however low potential for pollution. Not specifically targeted by GI within 5m of location footprint. Unlikely to be directly disturbed by construction or operation given distance from Works Area.	Mild	Unlikely	Negligible	Unlikely	Negligible
C97B	Glasnevin Cemetery (Extension) (unknown – present)	714407	736716	AZ4	14680	450	0m	Large area, current potential source however low potential for pollution. Not specifically targeted by GI within 5m of location footprint. While adjacent to Works Area direct disturbance during construction and operation is considered unlikely.	Mild	Low likelihood	Negligible	Unlikely	Negligible
C98	Printing Works (1930s-2012)	715224	736614	AZ4	14540	65	550m NNE	Moderate area, site has been demolished/cleared. Some potential for residual pollution. 1 No. ground investigation location within footprint (RC18). Made ground recorded up	Minor	Unlikely	Negligible	Unlikely	Negligible

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								to 1.40mbgl. No obvious evidence of discolouration, unusual odours or oil sheens. Unlikely to be directly disturbed by construction or operation given distance from Works Area.					
C99A	Glasnevin Station (1888-present)	714858	736412	AZ4	14880	0	0m	Moderate area, current / historical station / railway land. 21 No. ground investigation locations within site footprint. Made ground generally comprising ballast or sandy gravelly clay recorded up to 3.50mbgl. No obvious evidence of discolouration, unusual odours or oil sheens. Exceedances of residential soil GAC for metals, PAHs and TPH in area of station and track upgrades. Groundwater assessment criteria exceeded for metals and inorganics. The proposed construction works for the Glasnevin station box and track realignment will directly disturb this area.	Medium	Likely	Moderate	Unlikely	Low
C99B	Glasnevin Railway (1888-present)	714365	736651	AZ4	14800	280	0m	Moderate area, current / historical potential source. 22 No. ground investigation locations within site footprint. Made ground generally comprising ballast or sandy gravelly clay recorded up to 2.40mbgl. No obvious evidence of discolouration, unusual odours or oil sheens. Exceedances of soil GAC for metals, PAHs and TPH in area of station and track upgrades. Groundwater assessment criteria exceeded for metals and inorganics. The proposed construction works for the track realignment will directly disturb this area.	Medium	Likely	Moderate	Unlikely	Low
C99C	Railway Yard (1888-unknown)	714160	736667	AZ4	14720	780	0m	Moderate area, historical potential source. Waterways Ireland indicate that yard was historically used to apply creosote to railway sleepers resulting in contamination of the area and leakage into the Grand Canal. 1 No. adjacent ground investigation location (BH46). Made ground recorded to 1.20mbgl comprising ash and clinker over sandy clay. No obvious evidence of discolouration, unusual odours or oil sheens. Further GI coverage need to fully evaluate this source. The proposed construction works for a bridge across the Grand Canal and access track will directly disturb this area.	Medium	Likely	Moderate	Unlikely	Low
C99D	Tank (1888-1914)	714013	736796	AZ4	14640	1015	50m W	Small area, historic potential source. Not specifically targeted by GI within 5m of location footprint. At distance from Works Area, unlikely to be disturbed by construction or operational activities.	Mild	Unlikely	Negligible	Unlikely	Negligible
C100	Glasnevin Station / Railway (1888-present)	715251	736350	AZ4	14900	40	0m	Moderate area, current / historical potential source. 2 No. ground investigation locations within site footprint (GBH27, GBH28). Made ground comprising ballast recorded up to 0.80mbgl. No obvious evidence of discolouration, unusual odours or oil sheens. Exceedances of soil GAC for metals, PAHs and TPH in area of station and track upgrades. Groundwater assessment criteria exceeded for metals and inorganics. The proposed construction works for the track realignment will directly disturb this area.	Medium	Likely	Moderate	Unlikely	Low

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C101	Railway (1888-present)	715228	736241	AZ4	14940	50	0m	Moderate area, current / historical potential source. 2 No. ground investigation locations within site footprint (GBH20, GBH21). Made ground comprising ballast recorded up to 1.10mbgl. No obvious evidence of discolouration, unusual odours or oil sheens. Exceedances of soil GAC for metals, PAHs and TPH in area of station and track upgrades. Groundwater assessment criteria exceeded for metals and inorganics. The proposed construction works for the track realignment will directly disturb this area.	Medium	Likely	Moderate	Unlikely	Low
C102	Flour Mill (1888-1913) and Disused Pin Mill (1888)	714858	736331	AZ4	14980	0	5m S	Former flour mill has now been converted into apartments. Considered to have a low residual potential for contamination since redevelopment. NBH20 adjacent to former mill on the southern back of the Royal Canal, made ground to 1.2mbgl recorded comprising slightly sandy slightly gravelly clay with fragments of brick and timber. No obvious evidence of discolouration, unusual odours or oil sheens. On the opposite side of the Grand Canal to the majority of works to be undertaken at Glasnevin Station.	Mild	Unlikely	Negligible	Unlikely	Negligible
C103	Tramway Depot 1888-1913	714916	735935	AZ4	15280	95	260m NW	Small area, historical land use considered to have low potential for pollution. Not specifically targeted by GI within 5m of location footprint. Unlikely to be directly disturbed by construction or operation given distance from Works Area.	Minor	Unlikely	Negligible	Unlikely	Negligible
C104	Infilled canal (fill date unknown)	715063	735762	AZ4 - Mater	15380	0	75m NW	Large area, former canal with unknown fill materials. Not specifically targeted by GI within 5m of location footprint. Overlies tunnel section however at distance from Works Area, fill could be potential source of contaminants however unlikely to be disturbed by construction or operational activities.	Mild	Unlikely	Negligible	Unlikely	Negligible
C105	Mater Hospital (1864-present)	715378	735730	AZ4	15560	5	0m	Large area, current potential source. Potential for pollution from activities such as fuel / material storage and incinerators. 43 No. ground investigation locations within hospital site however majority at greater distance than 5m of site footprint. Made ground recorded to depths of 1 – 4.10mbgl, generally comprising clayey sandy gravel or gravelly clay with inclusions of brick, glass and/or pottery. Analysis of soil samples shows concentrations of heavy metals/PAHS in excess of GAC. Hospital site as adjacent to northern boundary of Works Area at Mater Station, and disturbance of made ground around the hospital / potential migration of contaminants is possible during construction.	Medium	Low likelihood	Moderate/low	Unlikely	Low
C106	Oil-filled Cable Leak 63 (Phibsborough – Granby Row) – 285l Linear Alkyl Benzene / Mineral Oil mix	715037	735635	AZ4 - Mater	15600	145	100m SW	Small area, known pollution event though exact location unclear. Not specifically targeted by GI within 5m of location footprint. At distance from Works Area so direct disturbance during construction or operation activities unlikely.	Medium	Unlikely	Low	Unlikely	Low

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C107	Historic Pump (1864)	715435	735387	AZ4	16020	5	265m SE	Small area, low potential for pollution. Not specifically targeted by GI within 5m of location footprint. Unlikely to be disturbed by construction or operational activities given distance from Works Area.	Minor	Unlikely	Negligible	Unlikely	Negligible
C108	Rotunda Hospital (1906-present)	715626	735045	AZ4 - O'Connell Street	16380	0	15m NW	Moderate area, current potential source. Potential for pollution from activities such as fuel / material storage and incinerators. 7 No. ground investigation locations located within site or 5m of site footprint. Made ground recorded up to 4.0mbgl, generally comprising clayey sandy gravel or sandy gravelly clay with ash, brick, ceramic and/or concrete. No obvious evidence of discolouration, unusual odours or oil sheens. At distance from Works Area so direct disturbance during construction or operation activities unlikely.	Mild	Unlikely	Negligible	Unlikely	Negligible
C109	Print Works 1936	715791	735110	AZ4 - O'Connell Street	16400	105	150m NE	Small area, historical potential source. Not specifically targeted by GI within 5m of location footprint. At distance from Works Area so direct disturbance during construction or operation activities unlikely.	Mild	Unlikely	Negligible	Unlikely	Negligible
C110	Printing Works 1888-1913	715836	735011	AZ4 - O'Connell Street	16500	120	105m NE	Small area, historical potential source. Not specifically targeted by GI within 5m of location footprint. At distance from Works Area so direct disturbance during construction or operation activities unlikely.	Mild	Unlikely	Negligible	Unlikely	Negligible
C111	Soap Works 1906, Saw Mill 1936	715402	734838	AZ4 - O'Connell Street	16580	295	210m W	Small area, historical potential source. Not specifically targeted by GI within 5m of location footprint. At distance from Works Area so direct disturbance during construction or operation activities unlikely.	Mild	Unlikely	Negligible	Unlikely	Negligible
C112	Graveyard (1864-present)	715870	734969	AZ4 - O'Connell Street	16600	125	110m ENE	Small area, low pollution potential. Not specifically targeted by GI within 5m of location footprint. At distance from Works Area so direct disturbance during construction or operation activities unlikely.	Mild	Unlikely	Negligible	Unlikely	Negligible
C113	Alexandra Envelope Works 1906-1936	715558	734696	AZ4 - O'Connell Street	16760	190	125m WSW	Small area, historical potential source with low pollution potential. Not specifically targeted by GI within 5m of location footprint. At distance from Works Area so direct disturbance during construction or operation activities unlikely.	Minor	Unlikely	Negligible	Unlikely	Negligible
C114	Clothing Factory 1936	715549	734509	AZ4 - O'Connell Street	16820	285	245m SW	Small area, historical potential source with low pollution potential. Not specifically targeted by GI within 5m of location footprint. At distance from Works Area so direct disturbance during construction or operation activities unlikely.	Minor	Unlikely	Negligible	Unlikely	Negligible
C115	Brass Foundry 1888-1909	715714	734547	AZ4 - O'Connell Street	16860	130	130m SSW	Small area, historical potential source. Not specifically targeted by GI within 5m of location footprint. At distance from Works Area so direct disturbance during construction or operation activities unlikely.	Mild	Unlikely	Negligible	Unlikely	Negligible
C116	Printing Works 1936	715754	734483	AZ4 - O'Connell Street	16920	140	200m S	Small area, historical potential source. Not specifically targeted by GI within 5m of location footprint.	Mild	Unlikely	Negligible	Unlikely	Negligible

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								At distance from Works Area so direct disturbance during construction or operation activities unlikely.					
C117	Saw Mills 1888-1913	716182	734672	AZ4 - Tara	17160	150	210m NNW	Small area, historical potential source. 1 No. ground investigation location. At distance from Works Area so direct disturbance during construction or operation activities unlikely.	Mild	Unlikely	Negligible	Unlikely	Negligible
C118	Printing Works 1936	715977	734284	AZ4 - Tara	17180	200	170m W	Small area, historical potential source. Not specifically targeted by GI within 5m of location footprint. At distance from Works Area so direct disturbance during construction or operation activities unlikely.	Mild	Unlikely	Negligible	Unlikely	Negligible
C119	Oil-filled Cable Leak 20 (Bedford Row – Sheriff Street 38kV) – 41711 Linear Alkyl Benzene / Mineral Oil mix	716116	734446	AZ4 - Tara	17220	0	50m NW	Small area, known pollution event though exact location unclear. Not specifically targeted by GI within 5m of location footprint. At distance from Works Area so direct disturbance during construction or operation activities unlikely.	Medium	Unlikely	Low	Unlikely	Low
C120	Gas testing station 1888-1906	716181	734267	AZ4 - Tara	17420	85	0m	Small area, low potential for pollution from this historic source, area has since been redeveloped. Not specifically targeted by GI within 5m of location footprint. Nearby GI locations show residential GAC exceedances for PAHs, arsenic, mercury and lead; however, these may not be specifically associated with this source. Within Works Area boundary for Tara Station so likely to be disturbed during construction.	Mild	Likely	Moderate / Low	Unlikely	Negligible
C121	Hospital 1888-1913	716233	734305	AZ4 - Tara	17420	0	0m	Small area, low potential for pollution from this historic source, area has since been redeveloped. Not specifically targeted by GI within 5m of location footprint. Nearby GI locations show GAC exceedances for PAHs, arsenic, mercury and lead; however, these may not be specifically associated with this source. Within Works Area boundary for Tara Station so likely to be disturbed during construction.	Mild	Likely	Moderate/low	Unlikely	Negligible
C121A	Tile works (1938)			AZ4 - Tara	17420	50	20m E	Small area, historic source and area has since been redeveloped, likely to have a low contamination potential. Not specifically targeted by GI within 5 m of location. Outside Works Area boundary and unlikely to be directly affected by construction or operation.	Mild	Unlikely	Negligible	Unlikely	Negligible
C121B	Foundry (unknown)			AZ4 - Tara	17420	60	50m E	Anecdotal evidence suggests presence of an historical foundry to the east of Tara Station. Location not specifically targeted by GI. Area has since been redeveloped. Outside Works Area boundary and unlikely to be directly affected by construction or operation.	Mild	Unlikely	Negligible	Unlikely	Negligible
C122	Coal Yard 1888-1913	716547	734361	AZ4 - Tara	17560	230	210m ENE	Small area, historical potential source. Not specifically targeted by GI within 5m of location footprint. At distance from Works Area so direct disturbance during construction or operation activities unlikely.	Mild	Unlikely	Negligible	Unlikely	Negligible
C123	Church/graveyard 1888-present	716469	734145	AZ4 - Tara	17660	60	140m SE	Small area, low potential for pollution. Not specifically targeted by GI within 5m of location footprint.	Minor	Unlikely	Negligible	Unlikely	Negligible

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								At distance from Works Area so direct disturbance during construction or operation activities unlikely.					
C124	Electricity Substation (2008-present)	716489	733710	AZ4	18000	170	420m NE	Small area, low potential for pollution. Not specifically targeted by GI within 5m of location footprint. At distance from Works Area so direct disturbance during construction or operation activities unlikely.	Minor	Unlikely	Negligible	Unlikely	Negligible
C125	Graveyard (1888-1913)	716014	733689	AZ4	18240	205	260m NW	Small area, low potential for pollution. Not specifically targeted by GI within 5m of location footprint. At distance from Works Area so direct disturbance during construction or operation activities unlikely.	Minor	Unlikely	Negligible	Unlikely	Negligible
C126	French Burial Ground (1888-present)	716222	733468	AZ4 - St Stephens Green	18320	40	50m NE	Small area, low potential for pollution. Not specifically targeted by GI within 5m of location footprint. At distance from Works Area so direct disturbance during construction or operation activities unlikely.	Minor	Unlikely	Negligible	Unlikely	Negligible
C127	Historic Tank (1937)	716220	733300	AZ4 - St Stephens Green	18480	115	60m S	Small area, historic source with low potential for pollution. Not specifically targeted by GI within 5m of location footprint. At distance from Works Area so direct disturbance during construction or operation activities unlikely.	Minor	Unlikely	Negligible	Unlikely	Negligible
C128	St Vincent's Hospital (1906-2008)	716145	733211	AZ4 - St Stephens Green	18580	35	5m SE	Moderate area, now redeveloped, could be some minor historic pollution potential from activities such as fuel / material storage and incinerators. Not specifically targeted by GI within 5m of location footprint. Near eastern edge of Griffith Park station Works Area, direct disturbance of ground during construction considered unlikely.	Mild	Unlikely	Negligible	Unlikely	Negligible
C129	Engine Shed 1888-1913	715919	732666	AZ4 - Charlemont	19200	110	120m NW	Small area, historic potential for leaks / spills from engine maintenance activities. Not specifically targeted by GI within 5m of location footprint. At distance from Works Area so direct disturbance during construction or operation activities unlikely.	Mild	Unlikely	Negligible	Unlikely	Negligible
C130	Oil-filled Cable Leak 9 (Inchicore – Poolbeg Two 220kV) – 3989l Linear Alkyl Benzene	716082	732619	AZ4 - Charlemont	19240	5	20m NE	Small area, known pollution event though exact location unclear. Not specifically targeted by GI within 5m of location footprint. Close to northern boundary Works Area, albeit on opposite side of the Royal canal from Charlemont Station, so unlikely to be affected by direct disturbance, however, potential remains for hydrocarbon migration.	Medium	Low Likelihood	Moderate / Low	Unlikely	Low
C131	Railway (1888-present)	715962	732543	AZ4 - Charlemont	19460	0	Within	Moderate to large area, current/historic source. 11 No. ground investigation locations located within site or 5m of site footprint. Made ground recorded up to 7mbgl generally comprising gravelly and/or silty clay with ash, glass, pottery and brick. No obvious evidence of discolouration, unusual odours or oil sheens. Exceedances of soil GAC (mainly residential) for metals, PAHs and. Groundwater assessment criteria exceeded for metals and inorganics.	Medium	Likely	Moderate	Unlikely	Low

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								Disturbance of ground likely during construction activities for Charlemont station.					
C132	Orphanage 1888	716269	732364	AZ4 - Charlemont	19500	145	110m SE	Small area, low potential for pollution. Not specifically targeted by GI within 5m of location footprint. At distance from Works Area so direct disturbance during construction or operation activities unlikely.	Minor	Unlikely	Negligible	Unlikely	Negligible
N/A	Urban made ground	N/A	N/A	Whole alignment	N/A	N/A	N/A	Made ground and fill material that can't be linked to specific current or historical land use is present throughout much of the urbanised areas including Swords, suburban Dublin, and particularly Dublin City Centre and the stations within AZ4. Screening of soil chemical analysis data from the available ground investigation data showed exceedances GAC (mainly residential, with a few commercial exceedances) for metals (largely chromium, lead, arsenic and mercury), PAHs and aromatic hydrocarbons. Groundwater assessment criteria exceeded for metallic, inorganic and organic contaminants. This is an overall classification and made ground is discussed in more detail on a location-by-location basis in the main body of the Report.	Medium	Likely	Moderate	Unlikely	Negligible