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	Annex F												Emis	sions										
	Activities and Impacts Matrix: Large Scale Property Development				Air					ffluer	it					Waste	•				No	oise	Ru	ınoff
	Releases to air, soil/land and water	Point source	Vehicle	Dust	Single	Sinopo	Non-point source / Fugitive	Radioactive emissions	Domestic	Industrial - containing organics	Industrial - containing inorganics	Residential	Garden	Builders waste	Nuclear or Radioactive	Health Services	Special Indistrial	Commercial and retail	Industrial	Hazardous	Continuous noise	Intermittent noise	Contaminated stormwater	Clean runoff
20	The transformation of an area zoned for use as public open space or for a conservation purpose to another use.						П																	$\prod$
	Phased development	$\sqcap$	$\sqcap$	П		П	$\top$		$\sqcap$		$\sqcap$		П		$\sqcap$	$\sqcap$	$\sqcap$		$\parallel \perp$					$\top$
17	Phased activities where any one phase of the activity may be below a threshold specified in this Schedule but where a combination of the phases, including expansions or extensions, will exceed a specified threshold.																							
	Sub-division of land	$\vdash$	$\vdash$	1 1	$\top$	$\vdash$	$\Box$	$\top$	$\vdash$				$\vdash$	H		$\vdash$			╫┼			$\vdash$		+
18	The subdivision of portions of land 9 hectares or larger into portions of 5 hectares or less.			П									$\top$											П
	Industrial development	П	$\sqcap$	$\Box$	$\top$		$\top$			$\sqcap$	$\sqcap$	$\Box$	$\sqcap$			$\vdash$	$\vdash$	$\sqcap$			$\sqcap$	+		T
19	The development of a new facility or the transformation of an existing facility for the conducting of manufacturing processes, warehousing, bottling, packaging, or storage, which, including associated structures or infrastructure, occupies an area of 1000 square metres or more outside an existing area zoned for industrial purposes.																							
	LISTING NOTICE 2	$\sqcap$	$\Box$	$\Box$	十	$\sqcap$	$\top$	$\Box$		$\vdash$	$\vdash$		$\top$	$\vdash$		$\vdash$	$\vdash$				⇈	1	⇈	++
	Sports facilities			$\Box$			П										Ш							
1	The construction of facilities or infrastructure, including associated structures or infrastructure, for:																							
(t)	any purpose where lawns, playing fields or sports tracks covering an area of 10 hectares or more, will be established.			$\prod$																				
	Size of development footprint			$\prod$			$\top$			$\sqcap$			$\top$		$\sqcap$	$\vdash$	$\sqcap$	$\sqcap$	$\parallel \parallel$	$\sqcap$	$\parallel \perp$	11	⇈┼	+
2	Any development activity, including associated structures and infrastructure, where the total area of the developed area is, or is intended to be, 20 hectares or more.																							

	Annex G														_									L	oca	tion																						
П	Activities and Impacts Matrix: Social Infrastructure & Housing					Phy	/sica	al							Bio	dive	ersit	y				Н	erit	age			Aest	heti	cs			Soc	ial								La	and	use					
	Locational considerations relevant to development footprint  Locational considerations relevant to compatibility of development with surroundings	Geological features	Productive soils (Agricultural, Forestry)	Slope	Erodable and unstable soils	Clay soils	Rock and rock layers	Groundwater / exploitable aquifer	Surface water resources (river, stream, wetland, dam)	Microclimate	Floodplain	Unique habitats	Manne/coastal systems	Freshwater systems	Ecological comidor	Critical Biodiversity Area	Red Data species	Endemic species	CE, E or V ecosystems as defined in the NSBA	Intact, pristine or near-pristine indigenous vegetation	Archaeology/paleoentology	Cultural landscapes / sites	Scientific Value	Historical buildings / sites	Socail Memory	Scenic/rural landscapes	Unique architecture	Significant townscapes/streetscapes/precinct	Scenic routes	Local community - informal settlement	Local community - formal settlement	Community facilities	Public / community access routes	Public Open Space	Communal facilities/areas	Agricultural	Forestry	Previously mined	Infrastructure	Mixed use	Commercial	Residential	Industrial	Public facility / POS	Declared Nature conservation area / protected area	Urban conservation area	Brownfields (previously developed)	Undeveloped
Н	LISTING NOTICE 1	H	┪	†-	$\vdash$	H	+	t	+	╈	+	╁			t	+	+	t	+	T	╁	+	+	+	+	╫	+	†	Н	Н	+	+	+	$\dashv$	┪				Н				$\vdash$	$\vdash$		t	T	+
	Sports facilities		Ī				T	T	1	Т	T	▮		1	T					Τ	┰					┰		T	1	П			T								П		Т			Г	T	$\top$
	The construction of facilities or infrastructure, including associated structures or infrastructure, for:																																															
`	any purpose where lawns, playing fields or sports tracks covering an area of more than three hectares, but less than 10 hectares, will be established																																															
(f)	sport spectator facilities with the capacity to hold 8 000 spectators or more;																																															
	Transformation of land The transformation of undeveloped, vacant or derelict land to:					$\vdash$	$\vdash$			t		╁	$\vdash$	+		t	$\vdash$	+	$\dagger$	T	╫	-		$\dagger$	-	╟	T	╁╴	H			1	$\dashv$		$\dashv$							-					+	$\dagger$
(a)	establish infill development covering an area of 5 hectares or more, but less than 20 hectares;																																															
. ,	residential, mixed, retail, commercial, industrial or institutional use where such development does not constitute infill and where the total area to be transformed is bigger than 1 hectare.																																															
П	Transport infrastructure			1		T	1	T	T	1	1	1			T	T	T	1	$\top$		⇈	$\top$	1			↿▔	$\top$	†-		П				$\neg$								Г	Г	Τ		Τ	Τ	$\top$
15	The construction of a road that is wider than 4 metres or that has a reserve wider than 6 metres, excluding roads that fall within the ambit of another listed activity or which are access roads of less than 30 metres long.																																															

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Annex G																						_	Lc	cati	on		_															_				$\neg$
Activities and Impacts Matrix: Social Infrastructure & Housing					Phy	sica	1							Bio	dive	rsity					Н	erita	ge		A	esth	etics	<u>. T</u>		s	ocla	ıl							La	ınd ı	ıse					$\neg$
Locational considerations relevant to development footprint  Locational considerations relevant to compatibility of development with surroundings	Geological features	Productive soils (Agricultural, Forestry)	Slope	Erodable and unstable soils	Clay soils	Rock and rock layers	Groundwater / exploitable aquifer	Surface water resources (river, stream, wetland, dam)	Microclimate	Floodplain	Unique habitats	Marine/coastal systems	Freshwater systems	Ecological corridor	Critical Biodiversity Area	Red Data species	Endemic species	CE, E or V ecosystems as defined in the NSBA	Intact, pristine or near-pristine indigenous vegetation		Cultural landscapes / sites	Scientific Value	Historical buildings / sites	Socail Memory	Scenic/rural landscapes	Unique architecture	Significant townscapes/streetscapes/precinct	ic routes	Local community - Informal settlement	Community facilities	Public / community access routes	Public Open Space	Communal facilities/areas	Agricultural	Forestry	Previously mined	Infrastructure	Mixed use	Commercial	Residential	Industrial	Public facility / POS	Declared Nature conservation area / protected area	Urban conservation area	Brownfields (previously developed)	Undeveloped
Sewage and water infrastructure	Н				$\vdash$			Н	-		Н	$\vdash$		$\vdash$		$\vdash$	$\vdash$	$\vdash$	+	╫	$\vdash$	-	┢	Н		Н	-	+	+	+	+	+	+	╫	+	$\vdash$	⊢	+	┼	$\vdash$	$\vdash$		$\dashv$	$\dashv$		$\dashv$
The construction of facilities or infrastructure, including associated structures or infrastructure, for:																																	T				Ī									
(k) the bulk transportation of sewage and water, including storm water, in pipelines with:  - an internal diameter of 0,36 metres or more  - a peak throughput of 120 litres per second or more;																																														
Powerlines	П							Н			$\vdash$	$\vdash$						$\vdash$	+	⇈	$\vdash$		H	Н			$\vdash$	┰	+	$\top$	+	+	+	╫	+	$\vdash$	+	+	Н	$\vdash$					_	$\dashv$
(I) the transmission and distribution of electricity above ground with a capacity of more than 33 kilovolts and less than 120 kilovolts;																																														
LISTING NOTICE 2										$\Box$	$\Box$				Г			T	+	⇈		1		Н	$\vdash$			$\dashv$	+	+	$\top$	$\top$	+	╫	+-	T	T	+	$\vdash$	$\vdash$						$\vdash$
Transport infrastructure  1 The construction of facilities or infrastructure, including associated structures or infrastructure, for:																												7			T															
(s) rail transportation, excluding railway lines and sidings in industrial areas and underground railway lines in mines, but including - railway lines - stations - shunting yards.																																														

Annex G	Ţ										,									н .			Lo	catio	on_									1								_			_
Activities and impacts Matrix: Social Infrastructure & Housing					Ph	ysica	al				1			Bio	dive	ersity	,				He	rita	ge		A	esth	etics	1		S	ocia	ı		1					La	nd u	se				
Locational considerations relevant to development footprint  Locational considerations relevant to compatibility of development with surroundings	Geological features	Productive soils (Agricultural, Forestry)	Slope	Erodable and unstable soils	Clav soils	Rock and rock layers	Groundwater / exploitable aquifer	Surface water resources (river, stream, wetland, dam)	Microclimate	Floodplain	Unique habitats	Manine/coastal systems	Freshwater systems	Ecological corridor	Critical Biodiversity Area	Red Data species	Endemic species	CE, E or V ecosystems as defined in the NSBA	Intact, pristine or near-pristine Indigenous vegetation	Archaeology/paleoentology	Cultural landscapes / sites	Scientific Value	Historical buildings / sites	Socail Memory	Scenic/rural landscapes	Unique architecture	Significant townscapes/streetscapes/precinct	Scenic routes	Local community - Internal settlement	Community facilities	Public / community access routes	Public Open Space	Communal facilities/areas	Agricultural	Forestry	Previously mined	Infrastructure	Mixed use	Commercial	Residential	Industrial	Public facility / POS	Declared Nature conservation area / protected area	Urban conservation area	Brownfields (previously developed)
Any development activity, including associated structures and infrastructure, where the total area of the developed area is, or is intended to be, 20 hectares or more.  The route determination of roads and design of associated physical infrastructure including roads that have not yet been built for which routes have been determined before the publication of this notice and which has not been authorised by a competent authority in terms of the Environmental Impact Assessment Regulations, 2006 made under section 24(5) of the Act and published in Government Notice No. R. 385 of 2006, where:  - it is a national road as defined in section 40 of the South African National Roads Act, 1998 (Act No. 7 of 1998)  - it is a road administered by a provincial authority  - the road reserve is wider than 30 metres  - the road will cater for more than one lane of traffic in both directions	.,																																												

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Activities and Impacts Matrix: Social Infrastructure & Housing		Witten SMITE	Lanc	d typ	е		54	Wate	rso	ource	1			∭ R	aw I	Nateri	als			E	nerç	gy sc	urc	e F	9	Soil
Use of communal/public resources		Agricultural/Forestry Undeveloped - rural				Public / state land		Line Control of the C	E	Wetland	Provides / Municipal	3 3 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Hazardous chemical substances	ials		Fuel - petrol, diesel	aignn.	Bituman	Coal		Liquid Fuel - HFO, diesel, paraffin, petrol			d, solar		Rock material
LISTING NOTICE 1  Sports facilities  The construction of facilities or infrastructure, including associated structures or	infrastructure										Water															
for:	Į.																									
<ul> <li>any purpose where lawns, playing fields or sports tracks covering an area of mo hectares, but less than 10 hectares, will be established</li> </ul>	ore than three																								T	
f) sport spectator facilities with the capacity to hold 8 000 spectators or more;		$\top$	$\top$			┪	$\top$	十	十	$\top$	$\top$	┢	П		$\dashv$	$\top$	$\top$	$\top$	$\top$				$\neg$	┪	$\top$	$\top$
Transformation of land	*		Т				$\neg$	Т	$\neg$	$\neg$	1				$\neg$	$\neg \top$	$\top$	┰	$\top$				$\neg$	_	$\top$	$\neg$
6 The transformation of undeveloped, vacant or derelict land to:			T		П	7	$\neg$	$\top$	$\neg \vdash$	$\neg$	$\top$	1			┪	$\neg$	十	┰	$\top$	⇈		П	$\neg$	$\neg$	$\neg$	$\top$
a) establish infill development covering an area of 5 hectares or more, but less than	n 20 hectares;					1		1	$\top$		$\top$				$\exists$		T								$\top$	
b) residential, mixed, retail, commercial, industrial or institutional use where such does not constitute infill and where the total area to be transformed is bigger than																	1								1	T
Transport Infrastructure	11/2 1 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1				П	1	$\neg$	$\neg$	十	$\top$	$\top$	╫			$\neg$	$\top$	$\top$	$\top$	1	┰				┪	十	$\dashv$
5 The construction of a road that is wider than 4 metres or that has a reserve wider metres, excluding roads that fall within the ambit of another listed activity or whice roads of less than 30 metres long.	er than 6																T									
Sewage and water infrastructure			Т				$\neg$	$\neg$	$\neg$	$\neg$	1			$\Box$	$\neg$	$\neg$	$\top$	$\top$	$\top$			$\Box$		╗	$\dashv$	$\neg$
1 The construction of facilities or infrastructure, including associated structures or for:	infrastructure,					$\exists$	$\top$		T		T			$\Box$				$\top$						1	十	
<ul> <li>the bulk transportation of sewage and water, including storm water, in pipelines v</li> <li>an internal diameter of 0,36 metres or more</li> <li>a peak throughput of 120 litres per second or more;</li> </ul>	with:							1																	$\top$	$\dagger$
Powerlines			Т		$\Box$	1	$\dashv$	$\dashv$	$\top$	$\neg$	$\top$	$\top$	П		$\dashv$	$\dashv$	$\top$	$\top$	$\top$	T				$\dashv$	$\top$	+
<ul> <li>the transmission and distribution of electricity above ground with a capacity of mi kilovolts and less than 120 kilovolts;</li> </ul>	ore than 33				П	ľ						Τ						$\top$	1						$\top$	

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	Activities and Impacts Matrix: Social Infrastructure & Housing		LE	and	typ	e			Wa	ter	sour	ce				Rav	w M	ateri	als				Ener	<b>Jy 5</b> 0	ourc	e		Soil	
	Use of communal/public resources	Agricultural/Forestry	Undeveloped - rural	Undeveloped - urban	Developed - urban	Communal	Public / state land	Sea water	Groundwater	River or stream	Welland	Dam	Water Board/ Water Services Provides / Municipal	COUCH DATE THOU TO SHE THOU THOU THOU TO SHE THOU THOU THOU THOU THOU THOU THOU THOU	nazardous d'ierricai substances	Dulluling Trateriers Fire - rose	Copy 100.1	Fuel - perior, dieser Recycled concrete and nithie	Comput	Biuman	Coal	Electricity	Liquid Fuel - HFO, diesel, paraffin, petrol	Coal	Gas-1PG	Renewable - wind, solar	Topsoil	Rock material	Fill material / rubble
$\vdash$	LISTING NOTICE 2		20007		25.425	8/900 A	21 199		Service Company	8 viktoli.	13800		<u> </u>	+		-	+	22 27	27 8.20	264 24.Ne			-		77.7		30-0.5		200-20
H	Transport infrastructure	11		寸			Н	$\vdash$		$\vdash$	Н	-	$\dashv$	$\top$	$\top$	$\top$	十	+	十	十	+	╅	1	Н		$\Box$	┪	$\neg$	Т
	The construction of facilities or infrastructure, including associated structures or infrastructure, for:																												
(:	s) rail transportation, excluding railway lines and sidings in industrial areas and underground railway lines in mines, but including: - railway lines - stations - shunting yards.																												
7	Any development activity, including associated structures and infrastructure, where the total area of the developed area is, or is intended to be, 20 hectares or more.																			T		╽							
· ·	The route determination of roads and design of associated physical infrastructure, including roads that have not yet been built for which routes have been determined before the publication of this notice and which has not been authorised by a competent authority in terms of the Environmental Impact Assessment Regulations, 2006 made under section 24(5) of the Act and published in Government Notice No. R. 385 of 2006, where:  - it is a national road as defined in section 40 of the South African National Roads Agency Limited and National Roads Act, 1998 (Act No. 7 of 1998)  - it is a road administered by a provincial authority  - the road reserve is wider than 30 metres  - the road will cater for more than one lane of traffic in both directions																												

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	Activities and Impacts Matrix: Social Infrastructure & Housing					Ai	ir					Ef	flue	nt							Was	ste						N	lois	e	Rı	unoff	]
	Releases to air, soil/land and water	Point source		Vehicle	Pilet	1800	Odours		Non-point source / rugitive	Radioactive emissions	Domestic		Industrial - containing organics	Industrial - containing inorganics	Citropiaco	Kesidential	Garden	Builderewaste		Nuclear or Radioactive	Health Services		Special Indistrial	Commercial and retail	lo istoribut	Industrial	Hazardous	Continuous noise		Intermittent noise	Contaminated stormwater	Clean runoff	
		Construction	Operation	Operation	Construction	Operation	Construction	Construction	Operation	Construction	Construction	Operation	Operation	Construction	Construction	Operation	Construction	Construction	Operation	Operation	Construction	Operation	Operation	Construction	Construction	Operation	Construction	Construction	Construction	Operation	Construction	Construction	Cherence
$\vdash$	LISTING NOTICE 1	Ш	$\perp$	$\perp$		Ш	$\perp$	$\perp$	Ц	$\perp$	П		l			П	$\perp$	$oxed{oxed}$		$\perp$	П	$\perp$	$\Box$		I	$\Box$			T	$\Box$	$\perp$	$\prod$	긔
1 (e)	Sports facilities  The construction of facilities or infrastructure, including associated structures or infrastructure, for: any purpose where lawns, playing fields or sports tracks covering an area of more than three hectares, but less than 10 hectares, will be established																+												1		+		
(f)	sport spectator facilities with the capacity to hold 8 000 spectators or more;	H	$\dagger$	+			İ			+	$\  \cdot \ $	$\sqcap$	$\dagger$	+	╁	Н	$\dagger$					Ť	+	Н	-	H	1		$\dagger$	Н	+	+	$\frac{1}{2}$
	Transformation of land		十	$\top$	$\top$	Н	+	+	H	$\top$	H	$\top$	十	+	╫╴	$\Box$	+	T	$\vdash$	+	H	+	$\top$	$\vdash$	╫	Н	_	╟┼	+	H	$\vdash$	++	┨
(a)	The transformation of undeveloped, vacant or derelict land to: establish infill development covering an area of 5 hectares or more, but less than 20 hectares;	H													-		+									П						$\prod$	
(b)	residential, mixed, retail, commercial, industrial or institutional use where such development does not constitute infill and where the total area to be transformed is bigger than 1 ha.																																
15	Transport infrastructure The construction of a road that is wider than 4 metres or that has a reserve wider than 6 metres, excluding roads that fall within the ambit of another listed activity or which are access roads of less than 30 metres long.																																

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	Activities and Impacts Matrix: Social Infrastructure & Housing				Air					ffluer	nt					Wast	е				No	oise	Rı	ınoff
	Releases to air, soil/land and water	Point source	Vehicle	Dust	Singpo		Non-point source / Fugitive	Radioactive emissions	Domestic	Industrial - containing organics	Industrial - containing inorganics	Residential	Garden	Builders waste	Nuclear or Radioactive	Health Services	Special Indistrial	Commercial and retail	Industrial	Hazardous	Continuous noise	Intermittent noise	Contaminated stormwater	Clean runoff
_	Sewage and water Infrastructure	$\perp$	П	$\prod$	$\Box$	$\Box$	$\perp$		$\Box$	F		F		П	П	П	П	1-1-	$\Box$	П		П	Н	$\prod$
1	The construction of facilities or infrastructure, including associated structures or infrastructure, for:														П		$\  \cdot \ $		11					
(k)	the bulk transportation of sewage and water, including storm water, in pipelines with: - an internal diameter of 0,36 metres or more - a peak throughput of 120 litres per second or more;																							
	Powerlines		П	$\top$	$\top$	o				ГГ			П	П	П	П	П	TT	П	П		$\sqcap$		П
(1)	the transmission and distribution of electricity above ground with a capacity of more than 33 kilovolts and less than 120 kilovolts;				П							$\prod$				П	П	$\prod$						
	LISTING NOTICE 2		11	++	$\top$	$\top$	$\top$		$\vdash$		$\vdash$	$\vdash$	$\vdash$	$\sqcap$	$\vdash$	$\vdash$	$\vdash$	+		$\sqcap$		$\sqcap$	$\sqcap$	$\vdash$
	Transport infrastructure		1 1	П	$\neg \neg$	$\neg$	$\top$			П					П	П	П	TT		П				П
1	The construction of facilities or infrastructure, including associated structures or infrastructure, for:																							
(s)	rail transportation, excluding railway lines and sidings in industrial areas and underground railway lines in mines, but including: - railway lines - stations - shunting yards.																							
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