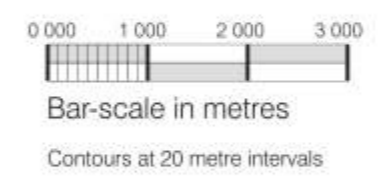


-  NORTH
-  RSDF ADMINISTRATIVE REGION E
-  MODDERFONTEIN DEVELOPMENT AREA
-  CENTRAL DEVELOPMENT REGION
-  DEVELOPMENT SITE: MODDERFONTEIN VILLAGE
-  PRINCIPAL DESTINATION NODES



**JOHANNESBURG  
 INTERNATIONAL  
 AIRPORT**

**GENERAL  
 LOCATION MAP**  
 Scale 1: 75 000  
 The Modderfontein  
 Development Area



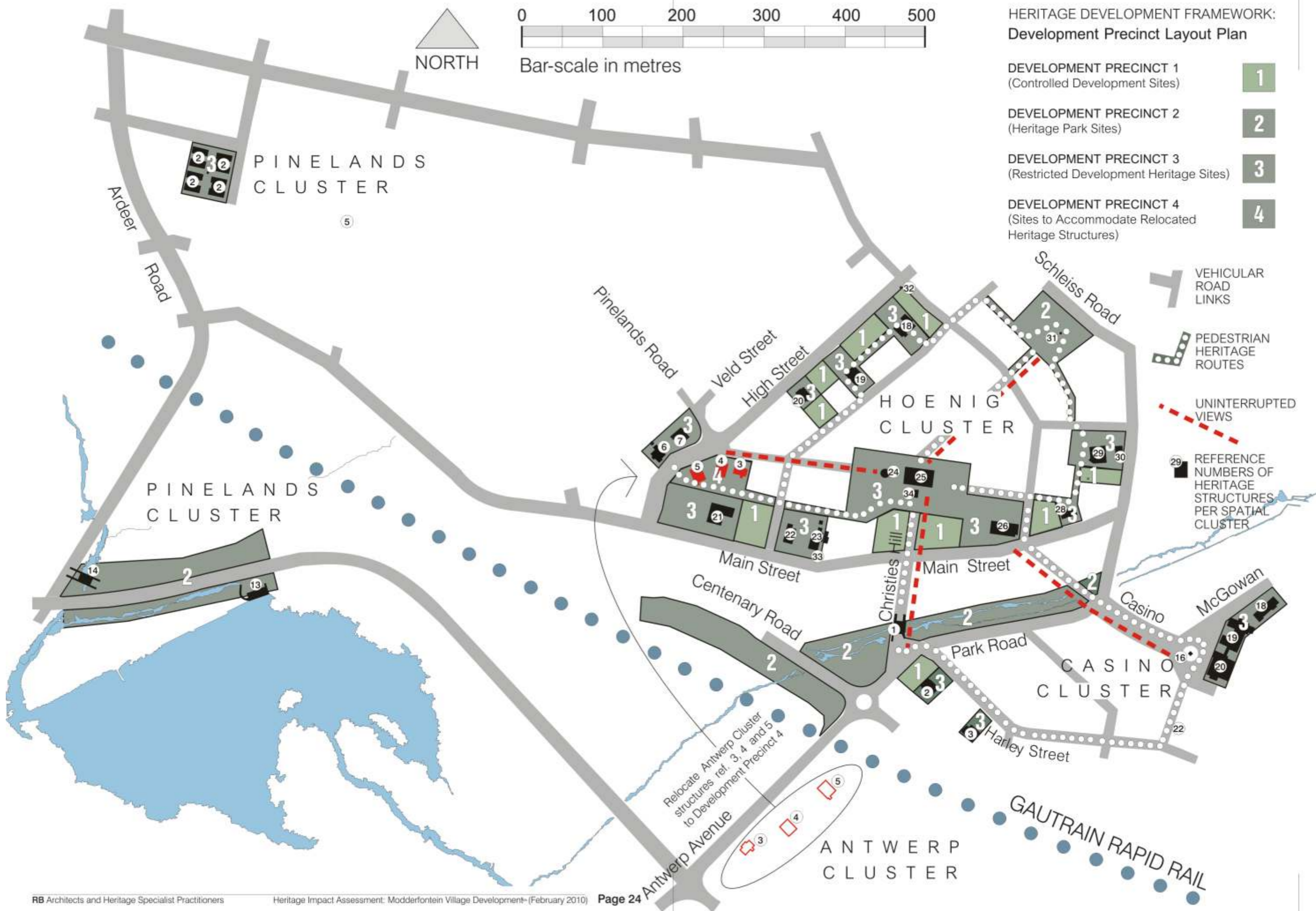
**SITE PLAN LAYOUT**

Reference numbers cross refer to Statement of Cultural Significance on pages 16, 17 and 18



HERITAGE DEVELOPMENT FRAMEWORK:  
**Development Precincts Contextual Layout**  
**DEVELOPMENT PRECINCT 1**  
 (Controlled Development Sites)  
**DEVELOPMENT PRECINCT 2**  
 (Heritage Park Sites)  
**DEVELOPMENT PRECINCT 3**  
 (Restricted Development Heritage Sites)  
**DEVELOPMENT PRECINCT 4**  
 (Site to Accommodate Relocated Heritage Structures)

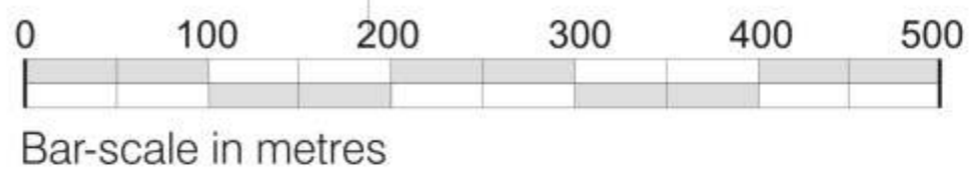
- ④ THE DEVELOPMENT SITE: MODDERFONTEIN VILLAGE
- ② EXISTING HERITAGE STRUCTURES
- ③ RELOCATED HERITAGE STRUCTURES
- ④ NEWLY PROPOSED ROADS
- ⑤ PEDESTRIAN HERITAGE ROUTES
- ⑥ UNINTERRUPTED VIEWS
- ⑦ EXISTING ROADS
- ⑧ EXISTING TREES
- ⑧ GLOBAL GEOREFERENCING COORDINATES
- ⑩ WATERBODIES
- ⑪ CONTOURS AT 2 METRE INTERVALS



HERITAGE DEVELOPMENT FRAMEWORK:  
Development Precinct Layout Plan

- DEVELOPMENT PRECINCT 1 (Controlled Development Sites) **1**
- DEVELOPMENT PRECINCT 2 (Heritage Park Sites) **2**
- DEVELOPMENT PRECINCT 3 (Restricted Development Heritage Sites) **3**
- DEVELOPMENT PRECINCT 4 (Sites to Accommodate Relocated Heritage Structures) **4**

- VEHICULAR ROAD LINKS
- PEDESTRIAN HERITAGE ROUTES
- UNINTERRUPTED VIEWS
- REFERENCE NUMBERS OF HERITAGE STRUCTURES PER SPATIAL CLUSTER



Relocate Antwerp Cluster structures ref. 3, 4 and 5 to Development Precinct 4

Terms in *italic* as defined

SPATIAL CLUSTER REFERENCE NUMBER	Column A	Column B	Column C	Column D
	RESOURCE TITLE AND/OR DESCRIPTION	RESEARCH FINDINGS Informed by the following sections contained in the HIA: <ul style="list-style-type: none"> <li>The History Analysis</li> <li>Typical Characteristics</li> <li>Assessment Matrices</li> </ul>	RECOMMENDED ACTION - To include actions listed in Column D. Informed by <ul style="list-style-type: none"> <li>research findings contained in the preceding column of this schedule and</li> <li>the intended aims and objectives of the proposed development</li> </ul>	MITIGATION Informed by the need for <ul style="list-style-type: none"> <li>the implementation of the proposed development and</li> <li>the conservation of cultural resources of heritage significance</li> </ul>
SPATIAL CLUSTER PINELANDS	1 VICTORIAN DECORATED, ORIGINALLY WWII STRUCTURE	Of secondary historic relevance. Significance low. Single detached structure forming part of numerous structures erected in 1940 in the Pinelands area for the protection of the explosives factory by the SA army during WWII. Accommodating factory research and development activities after the war until present. These structures represent the factory's involvement with events during and following WWII. Typically military in nature i.e. these structures were utilitarian in appearance, repetitively sited according to a grid layout. This particular structure is of low significance due to recent alterations introduced (diminished material integrity) and its atypical appearance as opposed to the typical military character evident in most of the other remaining structures located in the area.	<ul style="list-style-type: none"> <li>Demolition to provide opportunity for new development.</li> </ul>	<ul style="list-style-type: none"> <li>Level 2 Documentation.</li> <li>Documentation to be archived at the Dynamite Company Museum.</li> <li>Other WWII structures exist which represent morphologically superior prototypes.</li> </ul>
	2 WWII BARRACKS - WEST (WHITE GUARDS)	Of secondary historic relevance. Significance moderate to high. Barracks forming part of numerous structures erected in 1940 in the Pinelands area for the protection of the explosives factory by the SA army during WWII. Segregated accommodation was provided: white guards (P2) west, and black guards (P6) east of the central Pinelands zone (P3,P4&P5). Typically military in nature i.e. structures were utilitarian in appearance, repetitively sited according to a grid layout. To end of the war these barracks were converted to staff housing for ex-servicemen, incorporating bathrooms, kitchens and covered links, thus open courtyards were created between. The 4 unit cluster of barracks (originally for white conscripted guards) including layering (housing conversion), mirrored on both sides of a central circulation spine are typical in terms of structural form, symmetry, aesthetic integrity and streetscape, and show minor loss of original fabric.	<ul style="list-style-type: none"> <li>Enhancement and Rehabilitation of the structures including the associated biophysical landscape.</li> </ul>	<ul style="list-style-type: none"> <li>Retention and change of use to enable economic sustainability.</li> <li>Authorization to be furnished to the PHRA-G for sub-category Grade II listing in the Provincial Heritage Register in accordance with provisions contained in Section 30 of the NHR Act.</li> <li>Interpretation which is to include the naming of the cluster, indicating its historic connection with WWII.</li> </ul>
	3 WWII OFFICES - CENTRAL 4 WWII COLONEL'S HQ - CENTRAL	Of secondary historic relevance. Significance moderate. Centrally located single detached structures forming part of numerous structures erected in 1940 in the Pinelands area for the protection of the explosives factory by the SA army during WWII. Accommodating factory research and development activities after the war and in use until present. These structures represent the factory's involvement with events during and following WWII. Typically military in nature i.e. these structures were utilitarian in appearance, repetitively sited according to a grid layout, and include the commanding officer's HQ. These clusters are of low significance due to alterations to, and additions introduced (diminished material integrity and compromised environmental relationship).	<ul style="list-style-type: none"> <li>Demolition to provide opportunity for new development.</li> </ul>	<ul style="list-style-type: none"> <li>Level 1 Documentation.</li> <li>Documentation to be archived at the Dynamite Company Museum.</li> <li>Other WWII structures exist which represent morphologically superior prototypes.</li> </ul>
	5 WWII BIRDFOUNTAIN - CENTRAL	Of secondary historic relevance. Significance high. A concrete garden feature located in the centre of a circular pond, the pedestal depicting images of soldiers who fought in WWII, sculpted by conscripted members of military regiments stationed in the Pinetown area during WWII. The object is unique, shows creative expression inspired by sentiments of solidarity experienced during WWII and is, within a regional context, of medium to high significance. Although located in its original position, shows evidence of decay due to long term exposure to the elements.	<ul style="list-style-type: none"> <li>Relocation for protected display at the Dynamite Company Museum.</li> <li>Preservation and retention of patina.</li> </ul>	<ul style="list-style-type: none"> <li>Conservation.</li> <li>Interpretation (Dynamite Company Museum).</li> </ul>
	6 WWII BARRACKS - EAST (BLACK GUARDS)	Of secondary historic relevance. Significance moderate to high. Offices forming part of numerous structures erected in 1940 in the Pinelands area for the protection of the explosives factory by the SA army during WWII. Accommodating factory research and development activities after the war and in use until present. These structures represent the factory's involvement with events during and following WWII. Typically military in nature i.e. structures were utilitarian in appearance (for black conscripted guards), repetitively sited according to a grid layout whereby open areas were created between. This cluster is of low significance due to alterations to, and additions introduced (diminished material integrity) within the original cluster although certain units show minor loss of original fabric.	<ul style="list-style-type: none"> <li>Demolition to provide opportunity for new development.</li> </ul>	<ul style="list-style-type: none"> <li>Level 1 Documentation.</li> <li>Documentation to be archived at the Dynamite Company Museum.</li> <li>Other WWII structures exist which represent superior prototypes.</li> </ul>
	7 STOREROOM	Of secondary historic relevance. Significance low. Store room forming part of numerous structures erected in 1940 in the Pinelands area for the protection of the explosives factory by the SA army during WWII.	<ul style="list-style-type: none"> <li>Demolition to provide opportunity for new development.</li> </ul>	<ul style="list-style-type: none"> <li>Other WWII structures exist which represent superior prototypes.</li> </ul>
	8 CENTRAL BLOCK 9 CATERING ANNEXE 10 EMBANKMENT BLOCK 11 WWII OPEN SHED	Of secondary historic relevance. Significance low. Single detached structures forming part of numerous structures erected in 1940 in the Pinelands area for the protection of the explosives factory by the SA army during WWII. Accommodating factory research and development activities after the war until present. These structures represent the factory's involvement with events during and following WWII. Typically military in nature i.e. structures were utilitarian in appearance, repetitively sited according to a grid layout whereby open areas were created between. These particular structures are of low significance due to later alterations and additions introduced (diminished material integrity).	<ul style="list-style-type: none"> <li>Demolition to provide opportunity for new development.</li> </ul>	<ul style="list-style-type: none"> <li>Level 2 Documentation.</li> <li>Documentation to be archived at the Dynamite Company Museum.</li> <li>Other WWII structures exist which represent superior prototypes.</li> </ul>
	12 EXPERIMENTAL MAGAZINES	Of secondary historic relevance. Significance low. Three of four single detached structures used for the storage of explosives erected c1949. Four of numerous similar explosives magazines located elsewhere within the confines of the factory zone in the Secondary Impact Area. These particular structures are of low significance.	<ul style="list-style-type: none"> <li>Demolition to provide opportunity for new development.</li> </ul>	<ul style="list-style-type: none"> <li>Level 3 Documentation.</li> <li>Documentation to be archived at the Dynamite Company Museum.</li> <li>Numerous similar structures exist in the Secondary Impact area, a selection which may in future be considered for conservation.</li> </ul>
	13 ORIGINAL DAM 1 WEIR	Of primary historic relevance. Significance high. Erected in 1895 for Dam 1 when the factory was initially established. Although the dam wall had since been increased in height, the original stone work remains clearly distinguishable and well preserved.	<ul style="list-style-type: none"> <li>Retain existing.</li> </ul>	<ul style="list-style-type: none"> <li>Conservation of fabric.</li> <li>Authorization to be furnished to the PHRA-G for sub-category Grade II listing in the Provincial Heritage Register in accordance with provisions contained in Section 30 of the NHR Act.</li> <li>Interpretation which is to include the retention of the name 'Dam 1 Weir'.</li> </ul>
	14 ITALY BRIDGE	Of primary historic relevance. Significance high. Erected in 1896 over the Modderspruit when the factory was initially established. The original stone work remains clearly distinguishable and well preserved. Displays aesthetic value.	<ul style="list-style-type: none"> <li>Retain existing.</li> </ul>	<ul style="list-style-type: none"> <li>Conservation of both, the fabric and the use.</li> <li>Authorization to be furnished to the PHRA-G for sub-category Grade II listing in the Provincial Heritage Register in accordance with provisions contained in Section 30 of the NHR Act.</li> <li>Interpretation which is to include the retention of the name 'Italy Bridge'.</li> </ul>

Terms in *italics* as defined

SPATIAL CLUSTER REFERENCE NUMBER	Column A	Column B	Column C	Column D
	RESOURCE TITLE AND/OR DESCRIPTION	RESEARCH FINDINGS Informed by the following sections contained in the HIA: •The History Analysis •Typical Characteristics •Assessment Matrices	RECOMMENDED ACTION - To include actions listed in Column D. Informed by •research findings contained in the preceding column of this schedule and •the intended aims and objectives of the proposed development	MITIGATION Informed by the need for •the implementation of the proposed development and •the conservation of cultural resources of heritage significance
1 2 3 4 5	1 OF THE BELLVIEW SIX - DETACHED UNITS 2 OF THE BELLVIEW SIX - DETACHED UNITS 3 OF THE BELLVIEW SIX - DETACHED UNITS 1 OF TWO SINGLE- DETACHED UNITS 2 OF TWO SINGLE- DETACHED UNITS	Of tertiary historic relevance. Significance moderate. Single detached residential structures for staff accommodation erected in 1922. Repeated standard floor plan layout, and treatment of elevations, believed to have been designed by the South African Explosives Company technical draughting office. Symmetrical rectangular red facebrick buildings fitted with standard steel framed windows. Natural dressed stone foundation walls. Hipped pitched corrugated iron roof. Front facade features a prominent arched entrance porch with circular balustrade walls on plan form. The arches are articulated with relief plasterwork, set proud to suggest quoins and voussoirs. Unusual architectural Art Deco interpretation. Fourteen such structures, located in the Primary Impact Area, have survived. Of moderate significance, these structures show layering of architectural design approaches following initial colonial styles.	• Demolition to provide opportunity for new development.	• Level 2 Documentation. • Documentation to be archived at the Dynamite Company Museum. • One prototype to be conserved and listed as an Heritage Site (House Roe, Ref No 18 Casino Cluster).
6	THE BAKERY AND ANCILLARY STRUCTURES	Of primary historic relevance. Significance high. The Bakery, erected in 1897 (soon thereafter the butchery), including corrugated iron store room. The main structure with geometric gable facing High Street and mansard roof (originally corrugated iron) is one of a cluster of structures which were constructed to accommodate community shopping facilities. Requires extensive restoration.	• Enhancement and Rehabilitation of the main structure and ancillary storeroom.	• Retention and change of use to enable economic sustainability. • Authorization to be furnished to the PHRA-G for sub-category Grade II listing in the Provincial Heritage Register in accordance with provisions contained in Section 30 of the NHR Act. • Interpretation which is to include the retention of the name 'The Bakery'.
7	HAMMERS GROCERY AND GENERAL STORE	Of primary historic relevance. Significance high. The Grocery store, erected in 1897 originally the centre of community activity. Square plan form, corrugated iron structure with verandah on the north-east and south-east sides and originally corrugated iron mansard roof. One of a cluster of structures which were constructed to accommodate community shopping facilities. Requires extensive restoration. Of high significance.	• Enhancement and Rehabilitation.	• Retention and change of use to enable economic sustainability. • Authorization to be furnished to the PHRA-G for sub-category Grade II listing in the Provincial Heritage Register in accordance with provisions contained in Section 30 of the NHR Act. • Interpretation which is to include the retention of the name 'Hammers Store'.
8 9 10 11 12 13 14 15	HIGH STREET ARTISANS HOUSING HIGH STREET ARTISANS HOUSING HIGH STREET ARTISANS HOUSING HIGH STREET ARTISANS HOUSING HIGH STREET ARTISANS HOUSING HIGH STREET ARTISANS HOUSING HIGH STREET ARTISANS HOUSING HIGH STREET ARTISANS HOUSING	Of tertiary historic relevance. Significance moderate. Semi detached residential structures for staff accommodation erected in 1922. Repeated standard floor plan layout, and treatment of elevations, believed to have been designed by the South African Explosives Company technical draughting office. Symmetrical rectangular red facebrick buildings fitted with standard steel framed windows. Natural dressed stone foundation walls. Hipped pitched corrugated iron roof. Front facade features 2 prominent arched entrance porches with circular balustrade walls on plan form. The arches are articulated with relief plasterwork, set proud to suggest quoins and voussoirs. Unusual architectural Art Deco interpretation. Fourteen such structures, located in the Primary Impact Area, have survived. Of moderate significance, these structures show layering of architectural design approaches following initial colonial styles. Of moderate significance.	• Demolition to provide opportunity for new development.	• Level 2 Documentation. • Documentation to be archived at the Dynamite Company Museum. • One prototype to be conserved and listed as an Heritage Site (House Roe, Ref No 18 Casino Cluster).
16 17	HOUSE QUANTRILL HOUSE DOUGLASS	Of tertiary historic relevance. Significance low. Two utilitarian facebrick single detached structures for staff accommodation erected in the 1930's. Meagre historic value and shows little aesthetic consideration. Square planform, hipped pitched clay tiled roof. Standard steel window frames. Of low significance.	• Demolition to provide opportunity for new development.	• Level 3 Documentation. • Documentation to be archived at the Dynamite Company Museum.
18	THE VELDHEIM SEMIS	Of primary historic relevance. Significance high. Semi detached residential structure erected in 1897. Occupied by <i>inter alia</i> the, Transport Manager, Lay-preacher, Fire Master and librarian. Restored condition. Comprehensively displays features most typical of architectural styles prevalent during the establishment of the Explosives Factory. Landmark forming part of the original High Street streetscape. Historically important and of high significance.	• Controlled Rehabilitation.	• Retention and change of use to enable economic sustainability. • Authorization to be furnished to the PHRA-G for sub-category Grade II listing in the Provincial Heritage Register in accordance with provisions contained in Section 30 of the NHR Act. • Interpretation which is to include renaming to 'The Veldheim Semis'.
19	LANCASTER HOUSE	Of primary historic relevance. Significance high. Single detached residential structure erected in 1897. Occupied by Mr Lancaster, Chief Chemist and Assistant Factory manager and others <i>inter alia</i> Personnel Manager, Workshops Engineer, Chief Superintendent, Station Master and Medical Officer. Condition requires restoration. Displays features most typical of architectural styles prevalent during the establishment of the Explosives Factory. Forms part of the original High Street streetscape. Historically important and of high significance.	• Enhancement and Rehabilitation.	• Retention and change of use to enable economic sustainability. • Authorization to be furnished to the PHRA-G for sub-category Grade II listing in the Provincial Heritage Register in accordance with provisions contained in Section 30 of the NHR Act. • Interpretation which is to include renaming to 'Lancaster House'.
20	FIREMASTER'S HOUSE AND FOUNTAIN	Of primary historic relevance. Significance high. Single detached corrugated iron residential structure erected in 1897. Initially occupied by the Chief Draughtsman followed by the Fire Master. Johanna Field (SA country and western singer) grew up in this house. Condition requires restoration. Displays features most typical of architectural styles prevalent during the establishment of the Explosives Factory. Forms part of the original High Street streetscape. Historically important and of high significance.	• Enhancement and Rehabilitation.	• Retention and change of use to enable economic sustainability. • Authorization to be furnished to the PHRA-G for sub-category Grade II listing in the Provincial Heritage Register in accordance with provisions contained in Section 30 of the NHR Act. • Interpretation which is to include renaming to 'The Firemaster's House'.
21	33 HIGH STREET AND OUTBUILDING	Of primary historic relevance. Significance high. Single detached landmark residential structure erected in 1897. Initially occupied by the Assistant Factory Manager to Franz Hoenic, and in 1949 by Factory Manager Dr Taberner, followed by successive Factory Managers. Later east wing addition had been well incorporated and does not impact negatively on the authenticity of the original structure. Condition requires restoration. Displays features most typical of architectural styles prevalent during the establishment of the Explosives Factory. Forms part of the original Main Street streetscape. Historically important and of high significance. An outbuilding (north of the original building) was added sometime between 1938 and 1952. Currently restaurant since 1996.	• Enhancement and Rehabilitation of the original structure (facade restoration back to the original) as well as retention of later Addition. • Demolition of detached outbuildings to provide opportunity for new development.	• Retention and change of use to enable economic sustainability. • Authorization to be furnished to the PHRA-G for sub-category Grade II listing in the Provincial Heritage Register in accordance with provisions contained in Section 30 of the NHR Act. • Interpretation which is to include the retention of the name '33 High Street' or 'House Taberner'.
22	HOUSE KORNFELDT	Of primary historic relevance. Significance high. Single detached residential structure erected in 1897. Occupied by the Chief Chemist, Kornfeldt. Condition requires restoration. Displays features most typical of architectural styles prevalent during the establishment of the Explosives Factory. Forms part of the original Main Street streetscape. Historically important and of high significance. The outbuilding was added after 1952 and is not regarded to represent heritage of value.	• Enhancement and Rehabilitation.	• Retention and change of use to enable economic sustainability. • Authorization to be furnished to the PHRA-G for sub-category Grade II listing in the Provincial Heritage Register in accordance with provisions contained in Section 30 of the NHR Act. • Interpretation which is to include renaming to 'House Kornfeldt'.

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SPATIAL CLUSTER REFERENCE NUMBER	Column A	Column B	Column C	Column D
	RESOURCE TITLE AND/OR DESCRIPTION	RESEARCH FINDINGS Informed by the following sections contained in the HIA: <ul style="list-style-type: none"> <li>•The History Analysis</li> <li>•Typical Characteristics</li> <li>•Assessment Matrices</li> </ul>	RECOMMENDED ACTION - To include actions listed in Column D. Informed by <ul style="list-style-type: none"> <li>•research findings contained in the preceding column of this schedule and</li> <li>•the intended aims and objectives of the proposed development</li> </ul>	MITIGATION Informed by the need for <ul style="list-style-type: none"> <li>•the implementation of the proposed development and</li> <li>•the conservation of cultural resources of heritage significance</li> </ul>
23	THE DYNAMITE COMPANY MUSEUM	Of primary historic relevance. Significance high. Single detached residential structure erected for the first Chief Engineer, Burmeister in 1895. Presently accommodating The Dynamite Company Museum since 1987 and shares a distinct environmental relationship with the Franz Hoenig Haus. Displays features most typical of architectural styles prevalent during the establishment of the Explosives Factory. Forms part of the original High Street streetscape. Historically important and of high significance.	<ul style="list-style-type: none"> <li>• Enhancement and Rehabilitation .</li> </ul>	<ul style="list-style-type: none"> <li>• Retention and conservation.</li> <li>• Authorization to be furnished to the PHRA-G for sub-category Grade II listing in the Provincial Heritage Register in accordance with provisions contained in Section 30 of the NHR Act.</li> <li>• Interpretation.</li> </ul>
24	FRANZ HOENIG FISHPOND	Of primary historic relevance. Significance high. An important garden feature, even though constructed later (before 1938). Located centrally to the western entrance axis of the residence and delineates the original carriage turning circle.	<ul style="list-style-type: none"> <li>• Enhancement without change of use.</li> </ul>	<ul style="list-style-type: none"> <li>• Retention and conservation.</li> <li>• Authorization to be furnished to the PHRA-G for sub-category Grade II listing, as part of the Franz Hoenig Heritage site, in the Provincial Heritage Register in accordance with provisions contained in Section 30 of the NHR Act.</li> <li>• Interpretation.</li> </ul>
25	FRANZ HOENIG HAUS	Of primary historic relevance. Significance high. Single detached residential structure erected for the Factory Manager Franz Hoenig in 1896 and occupied by successive Factory Managers until 1949. Iconic Modderfontein landmark in lavish garden setting, widely regarded a symbol of AECI's legacy of corporate distinction. Displays features most typical of architectural styles prevalent during the establishment of the Explosives Factory. Forms part of the original High Street streetscape. Historically important and of high significance. Alterations to the facade by architect Gerard Moerdyk introduced in 1932 altered the character of the residence to such an extent, that the authentic Germain-colonial integrity had been seriously eroded. Moerdyk's addition is not representative of the time in which it was executed because of its eclectic nature and consequently departs from the original aesthetic intension. This can therefore not be considered architectural layering, but constitutes loss of heritage.	<ul style="list-style-type: none"> <li>• Enhancement (facade restoration back to the original) and Conservation of both, the structure and interior, including furnishings.</li> <li>• Enhancement and Conservation of the bio-physical environment particularly in terms of scale (extent) and relationship with the residence.</li> </ul>	<ul style="list-style-type: none"> <li>• Retention and conservation.</li> <li>• Authorization to be furnished to the PHRA-G for sub-category Grade II listing in the Provincial Heritage Register in accordance with provisions contained in Section 30 of the NHR Act.</li> <li>• Interpretation which includes the retention of the name 'Franz Hoenig Haus'.</li> <li>• Documentation of the Moerdyk intervention (prior to restoration being implemented) and to be archived at the MDC Museum.</li> </ul>
26	B.3DUCKS (B.000) MALE, SINGLE QUARTERS	Of primary historic relevance. Significance high. Residential structure for staff (bachelors' quarters for ~1 year then ladies' single quarters) erected in 1895. Condition requires extensive restoration. Displays features most typical of architectural styles prevalent during the establishment of the Explosives Factory. Forms part of the original Main Street streetscape. Name 'B.3Ducks' has institutional historic relevance.	<ul style="list-style-type: none"> <li>• Enhancement (facade restoration back to the original) and Rehabilitation.</li> </ul>	<ul style="list-style-type: none"> <li>• Retention and change of use to enable economic sustainability.</li> <li>• Authorization to be furnished to the PHRA-G for sub-category Grade II listing in the Provincial Heritage Register in accordance with provisions contained in Section 30 of the NHR Act.</li> <li>• Interpretation which includes renaming to 'B.3Ducks'.</li> </ul>
27	TENNIS COURT ELECTRICAL SUBSTATION	Utilitarian facebrick single detached services structure. Of no historic, associational nor aesthetic value.	<ul style="list-style-type: none"> <li>• Demolition to provide opportunity for new development.</li> </ul>	
28	INTERDENOMINATIONAL CHURCH	Of primary historic relevance. Significance high. Corrugated iron hospital ward erected in 1914, relocated to present siting after the Spanish Influenza Epidemic of 1918, when used as a church. Displays features most typical during the establishment of the Explosives Factory and signifies institutional historic relevance. Forms part of the original Main Street streetscape.	<ul style="list-style-type: none"> <li>• Enhancement and Rehabilitation.</li> </ul>	<ul style="list-style-type: none"> <li>• Retention and change of use to enable economic sustainability.</li> <li>• Authorization to be furnished to the PHRA-G for sub-category Grade II listing in the Provincial Heritage Register in accordance with provisions contained in Section 30 of the NHR Act.</li> <li>• Interpretation which includes the retention of the belfry.</li> </ul>
29	HOUSE KING AND GARDEN PEDESTAL	Of primary historic relevance. Significance high. Single detached residential structure erected in 1898. Occupied by Mr Halbert, Chief Engineer and others <i>inter alia</i> Chief Engineers Eales and George King. Condition requires extensive restoration. Displays features most typical of second generation architectural styles (Edwardian - dental embellishments) evident at Modderfontein. Historically important and of high significance.	<ul style="list-style-type: none"> <li>• Enhancement and Rehabilitation.</li> </ul>	<ul style="list-style-type: none"> <li>• Retention and change of use to enable economic sustainability.</li> <li>• Authorization to be furnished to the PHRA-G for sub-category Grade II listing in the Provincial Heritage Register in accordance with provisions contained in Section 30 of the NHR Act.</li> <li>• Interpretation which includes the renaming to 'House Halbert' or 'House George King'.</li> </ul>
30	HOUSE KING - OUTBUILDING	Of primary historic relevance. Significance high. Single detached corrugated iron structure erected before 1938. Displays features typical to Modderfontein. Historically important and of high significance in terms of its functional and physical relationship with House King.	<ul style="list-style-type: none"> <li>• Enhancement and Rehabilitation.</li> </ul>	<ul style="list-style-type: none"> <li>• Retention and change of use to enable economic sustainability.</li> <li>• Authorization to be furnished to the PHRA-G for sub-category Grade II listing, as part of the House King Heritage site, in the Provincial Heritage Register in accordance with provisions contained in Section 30 of the NHR Act.</li> <li>• Interpretation.</li> </ul>
31	FLAGPOLE KOPPIE	Of primary historic relevance. Significance high. The highest geographic point in Modderfontein Village marked by a conical, stone and concrete cairn, erected by Johan H Rissik, the Surveyor General of the ZAR, in 1894. Prior to the introduction of Her Majesty's Chief Inspector of Explosives' safety standards at Modderfontein, President Kruger stipulated that a red flag be flown from this location when nitroglycerine was being manufactured. This procedure was conducted twice daily during shifts and remained in operation from 1896 until 1949. The site further serves to commemorate the Capt. Godson-Godson Blockhouse erected by the British Army during the SA War, demolished 1960. Historically important and of high significance.	<ul style="list-style-type: none"> <li>• Conservation, Enhancement and Rehabilitation. (the description of the flagpole structure and dimensions are recorded by K Kohler, handwritten notes 15c,1.)</li> </ul>	<ul style="list-style-type: none"> <li>• Conservation.</li> <li>• Authorization to be furnished to the PHRA-G for sub-category Grade II listing in the Provincial Heritage Register in accordance with provisions contained in Section 30 of the NHR Act.</li> <li>• Interpretation which includes the retention of the name 'Flagpole Koppie'.</li> </ul>
32	DRINKING FOUNTAIN (Cnr. High/Bloemfontein)	Of primary historic relevance. Significance high. Modderfontein residents were provided with drinking water fed from the Klondyke Wells, dispensed by means of communal drinking fountains, 3 of which ( installed in 1898, 1898 and 1904 respectively) have survived in the Hoenig Spatial Cluster, although on longer functional. Historically important and of high significance.	<ul style="list-style-type: none"> <li>• Conservation and Enhancement (reintroduction of original use) without relocation.</li> </ul>	<ul style="list-style-type: none"> <li>• Conservation of physical fabric and use.</li> <li>• Authorization to be furnished to the PHRA-G for sub-category Grade II listing, as part of the respective Veldheim Semis, Dynamite Co Museum and Franz Hoenig Haus Heritage Sites, in the Provincial Heritage Register in accordance with provisions contained in Section 30 of the NHR Act.</li> <li>• Interpretation.</li> </ul>
33	DRINKING FOUNTAIN (Dynamite Co Museum)			
34	DRINKING FOUNTAIN (Franz Hoenig Haus)			
35	WATER SLOOT (STORM WATER CHANNEL)	Of tertiary historic relevance. Significance low. The stone slood is identified in the Van Schalkwyk Report (2006:19,24) as an archaeological site of low significance at local level. This HIA indicates no historic value and of medium to low significance.	<ul style="list-style-type: none"> <li>• Demolition to provide opportunity for new development.</li> </ul>	

Terms in italic as defined

SPATIAL CLUSTER REFERENCE NUMBER	Column A	Column B	Column C	Column D
	RESOURCE TITLE AND/OR DESCRIPTION	RESEARCH FINDINGS Informed by the following sections contained in the HIA: •The History Analysis •Typical Characteristics •Assessment Matrices	RECOMMENDED ACTION - To include actions listed in Column D. Informed by •research findings contained in the preceding column of this schedule and •the intended aims and objectives of the proposed development	MITIGATION Informed by the need for •the implementation of the proposed development and •the conservation of cultural resources of heritage significance
1	CHRISTIES BRIDGE	Of primary historic relevance. Significance high. Natural stone bridge erected in 1896. Physical feature which visually articulates the central connecting axis between Franz Hoenig Haus and Copemans Corner. Important environmental relationship, historic value and of high significance.	• Enhancement and retention of use.	• Retention and conservation. • Authorization to be furnished to the PHRA-G for sub-category Grade II listing in the Provincial Heritage Register in accordance with provisions contained in Section 30 of the NHR Act. • Interpretation which includes the retention of the name 'Christies Bridge'.
2	COPEMANS CORNER	Of primary historic relevance. Significance high. Chemist, Copeman's house (No 1 Mixed Pickles Avenue) erected in 1896 and expropriated by Lord Baden-Powell for military use in 1901. Also Dick Dent's house, the first curator of the museum (1964). An important landmark defining the intersection of Mixed Pickles Avenue (Antwerp Ave.) and Harley Street. Displays features most typical of architectural styles prevalent during the establishment of the Explosives Factory. Condition requires extensive restoration. Historically important and of high significance.	• Enhancement and Rehabilitation.	• Retention and conservation. • Authorization to be furnished to the PHRA-G for sub-category Grade II listing, as part of the Franz Hoenig Heritage site, in the Provincial Heritage Register in accordance with provisions contained in Section 30 of the NHR Act. • Interpretation which includes the retention of the name 'Copemans Corner'.
3	HOUSE WALLACE	Of primary historic relevance. Significance high. Single detached residential structure erected in 1896 for Dr Schevell the first Modderfontein medical doctor and successive doctors Wotherspoon, Grant, Wallace, de Kock, Dalton and Wark. Widely regarded as representative of AECI's institutional legacy. Address No 1 Harley Street signifies its connotation with the Modderfontein Hospital and the original T-junction corner with Wallace Lane (now Blom Street). Condition requires extensive restoration. Displays features most typical of second generation architectural styles (Edwardian - dental embellishments) evident at Modderfontein. Historically important and of high significance.	• Enhancement and Rehabilitation.	• Retention and conservation. • Authorization to be furnished to the PHRA-G for sub-category Grade II listing in the Provincial Heritage Register in accordance with provisions contained in Section 30 of the NHR Act. • Interpretation which includes the retention of the name 'No 1 Harley Street'.
4 5	B9 BACHELORS QUARTERS B9 BACHELORS QUARTERS OUTBUILDING	Of primary historic relevance. Significance low to moderate. Mens single quarters erected in 1896 with typical north facing verandah, an extensive west wing addition in 1938 materially altered the scale and proportion of the original structure. Architecturally reduced in value when compared to the B.3Ducks Heritage Site constructed for the same use one year earlier. Compromised material integrity and environmental relationship indicates low to moderate significance. Utilitarian outbuilding for garages was also added in 1938.	• Demolition of structure including outbuilding to provide opportunity for new development.	• Level 1 Documentation of structure 4 and Level 3 Documentation of structure 5. • Documentation to be archived at the Dynamite Company Museum.
6 7 8 9	MEDICAL PERSONNEL HOUSING MEDICAL PERSONNEL HOUSING MEDICAL PERSONNEL HOUSING MEDICAL PERSONNEL HOUSING	Of tertiary historic relevance. Significance low. Single detached residential structures erected in the 1920s to 30s. Indicates staff housing types subsequent to the initial development of the explosives factory. Material condition poor and historical significance low.	• Demolition to provide opportunity for new development.	• Enhancement and conservation of the House Roe and House Brown Heritage Sites, which represent alternative staff housing prototypes of the same period. • Level 3 Documentation of structures 6 and 7. • Documentation to be archived at the Dynamite Company Museum.
10	MEDICAL PERSONNEL 10	Of tertiary historic relevance. Significance low. Single detached residential structure erected in the 1930s. Indicates staff housing types subsequent to the initial development of the explosives factory. Material condition poor and historical significance low.	• Demolition to provide opportunity for new development.	• Enhancement and conservation of the House Roe and House Brown Heritage Sites, which represent alternative staff housing prototypes of the same period. • Level 2 Documentation. • Documentation to be archived at the Dynamite Company Museum.
11	NOBEL BRIDGE	Of primary historic relevance. Significance low. Structure erected in the 1890s. Material condition poor and historical significance low.	• Demolition to provide opportunity for new development.	• Level 3 Documentation. • Documentation to be archived at the Dynamite Company Museum.
12	STONES WALL	Of tertiary historic relevance. Significance low to moderate. Retaining stone structure erected in the 1930s by stone mason Stone on the corner of Casino and Park, demarcates the Buckingham Hall property boundary. Visually, materially and historically of meagre value. Significance low to moderate.	• Demolition to provide opportunity for new development.	• Level 3 Documentation. • Documentation to be archived at the Dynamite Company Museum.
13 14	BUCKINGHAM HALL BUCKINGHAM GARAGE BLOCK	Of tertiary historic relevance. Significance low to moderate. Commissioned by AE&I and constructed in 1933 to accommodate professional single white male staff members. Designed by architect Gerard Moerdyk. The scale of the structure dominates the Casino Cluster, is visually obstructive, proportionally lacks articulation and architectural definition appropriate to original structures of heritage value located in the immediate vicinity. Significance low to moderate. Garages erected the same time, of no aesthetic or historic value.	• Demolition to provide opportunity for new development.	• Level 2 Documentation. • Documentation to be archived at the Dynamite Company Museum.
15	MARRIED STAFF FLATS	Of tertiary historic relevance. Significance low. A block of 'flats' constructed in the early 1950s to accommodate white married members of staff and visiting personnel. Utilitarian in appearance, the scale and unarticulated repetitive treatment of elevations detracts from adjacent structures regarded to represent heritage of significant historic value. Significance low.	• Demolition to provide opportunity for new development.	• Level 3 Documentation. • Documentation to be archived at the Dynamite Company Museum.
16	WORLD WAR MEMORIAL	Of secondary historic relevance. Significance high. Granite obelisk with inscriptions commemorating both, WWI and WWII in respect of members of staff who lost their lives during battle. Erected in 1946 by the Cassino Shell Hole Moths (after the Italian campaign battle for Monte Cassino, February 1944) at the General Offices, since relocated twice to its present site in the Casino precinct.	• Relocation to the WWII Barracks Heritage Site in the Pinelands Spatial Cluster (sited on the central axis of the barracks cluster).	• Retention and conservation. • Authorization to be furnished to the PHRA-G for sub-category Grade II listing, as part of the WWII Barracks Heritage Site, in the Provincial Heritage Register in accordance with provisions contained in Section 30 of the NHR Act. • Interpretation (enhanced by appropriate relocation).
17	MENS SINGLE QUARTERS	Of tertiary historic relevance. Significance low to moderate. Single mens quarters erected in the 1940s. Architecturally and historically of meagre value.	• Demolition to provide opportunity for new development.	• Level 1 Documentation. • Documentation to be archived at the Dynamite Company Museum.

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SPATIAL CLUSTER REFERENCE NUMBER	Column A	Column B	Column C	Column D
	RESOURCE TITLE AND/OR DESCRIPTION	RESEARCH FINDINGS Informed by the following sections contained in the HIA: <ul style="list-style-type: none"> <li>•The History Analysis</li> <li>•Typical Characteristics</li> <li>•Assessment Matrices</li> </ul>	RECOMMENDED ACTION - To include actions listed in Column D. Informed by <ul style="list-style-type: none"> <li>•research findings contained in the preceding column of this schedule and</li> <li>•the intended aims and objectives of the proposed development</li> </ul>	MITIGATION Informed by the need for <ul style="list-style-type: none"> <li>•the implementation of the proposed development and</li> <li>•the conservation of cultural resources of heritage significance</li> </ul>
18	HOUSE ROE	Of tertiary historic relevance. Significance moderate. Semi detached residential structure for staff accommodation erected in 1922. Repeated standard floor plan layout, and treatment of elevations, designed by the company's draughting office. Symmetrical rectangular red facebrick building fitted with standard steel framed windows. Natural dressed stone foundation walls, hipped pitched corrugated iron roof. Front facade features prominent arched entrance porch with circular balustrade walls on plan form. Arche is articulated with relief plasterwork, set proud suggesting quoins and voussoirs. Unusual architectural Art Deco influences.	<ul style="list-style-type: none"> <li>• Enhancement and Rehabilitation.</li> </ul>	<ul style="list-style-type: none"> <li>• Retention and change of use to enable economic sustainability.</li> <li>• Authorization to be furnished to the PHRA-G for sub-category Grade II listing in the Provincial Heritage Register in accordance with provisions contained in Section 30 of the NHR Act.</li> <li>• Interpretation which is to include the retention of the name 'House Roe'.</li> </ul>
19	CATERING MESS	Of tertiary historic relevance. Significance moderate. The company catering mess erected in 1936. Its original function and environmental relationship with The Casino has relevance. The chef occupied the western half of the adjacent House Roe semi detached structure. Displays aesthetic value and historic layering in terms of post-WWI architectural styles introduced by the Explosives Factory for corporate purposes.	<ul style="list-style-type: none"> <li>• Enhancement and Rehabilitation.</li> </ul>	<ul style="list-style-type: none"> <li>• Retention and conservation.</li> <li>• Authorization to be furnished to the PHRA-G for sub-category Grade II listing in the Provincial Heritage Register in accordance with provisions contained in Section 30 of the NHR Act.</li> <li>• Interpretation which includes the retention of the name 'Company Mess'.</li> </ul>
20	THE CASINO	Of primary historic relevance. Significance high. An unrivaled building in the context of Modderfontein, erected in 1897 for the recreational requirements of management and senior members of staff. A most prominent landmark sited centrally to the axis of the Casino Road approach. Displays features most typical of architectural styles prevalent during the establishment of the Explosives Factory. Condition requires extensive restoration. Historically, aesthetically and institutionally important.	<ul style="list-style-type: none"> <li>• Enhancement and Rehabilitation (facade restoration back to the original) and Conservation of both, the structure and interior, including original carpentry and furnishings.</li> <li>• Enhancement of the Casino Road principal approach.</li> <li>• The retention of the open space in front of the main facade (including the palm tree quadrangle).</li> </ul>	<ul style="list-style-type: none"> <li>• Retention and conservation.</li> <li>• Authorization to be furnished to the PHRA-G for sub-category Grade II listing in the Provincial Heritage Register in accordance with provisions contained in Section 30 of the NHR Act.</li> <li>• Interpretation which includes the retention of the name 'The Casino'.</li> </ul>
21	NEW TOWN HALL	Of minor historic relevance. Significance low. Modderfontein Town Hall extension to the back (south-east) of The Casino erected in 1986 (when Modderfontein was proclaimed a Town Council). Of meagre architectural value. Recent history and of low significance. Not directly connected with the history of the Explosives Factory.	<ul style="list-style-type: none"> <li>• Demolition to provide opportunity for new development.</li> </ul>	<ul style="list-style-type: none"> <li>• Level 3 Documentation.</li> </ul>
22	DRINKING FOUNTAIN	Of primary historic relevance. Significance high. Modderfontein residents were provided with drinking water fed from the Klondyke Wells, dispensed by means of communal drinking fountains, 1 of which (installed in 1908) has survived in the Casino Spatial Cluster, although on longer functional. Historically important and of high significance.	<ul style="list-style-type: none"> <li>• Relocation to Precinct H.</li> </ul>	<ul style="list-style-type: none"> <li>• Retention and conservation.</li> <li>• Authorization to be furnished to the PHRA-G for sub-category Grade II listing, as part of The Casino Heritage Site, in the Provincial Heritage Register in accordance with provisions contained in Section 30 of the NHR Act.</li> <li>• Interpretation (enhanced by appropriate relocation).</li> </ul>
23	HOSPITAL ANNEXE	Of tertiary historic relevance. Significance low. Ancillary facilities to the Modderfontein hospital, presumably erected during the 1930s. The material condition of the hospital annexe is poor due to long term lack of maintenance. Later extensions have been introduced. The cluster includes a covered parking structure. Architecturally and historically of meagre value and unrepresentative of the essential (original) institutional Modderfontein history.	<ul style="list-style-type: none"> <li>• Demolition to provide opportunity for new development.</li> </ul>	<ul style="list-style-type: none"> <li>• Retention and conservation.</li> <li>• Authorization to be furnished to the PHRA-G for sub-category Grade II listing in the Provincial Heritage Register in accordance with provisions contained in Section 30 of the NHR Act.</li> <li>• Interpretation which includes the retention of the name 'Hospital'.</li> </ul>
24	MORTUARY AND COAL STORE			
25	HOSPITAL	Of primary historic relevance. Significance moderate. The original Modderfontein Hospital, erected in 1898. Extensive loss of original fabric in terms of both, architectural character and floor plan layout due to numerous alterations and extensions introduced during the 1940s. A small section of the original northern verandah still survives. Even though original establishment is highly significant, the present structure is unrepresentative of this origin other than its location at the upper end of Harley Street. Enhancement to the original is economically unjustifiable.	<ul style="list-style-type: none"> <li>• Demolition to provide opportunity for new development.</li> </ul>	<ul style="list-style-type: none"> <li>• Level 1 Documentation.</li> <li>• Documentation to be archived at the Dynamite Company Museum.</li> </ul>
26	NEW DOCTORS ROOMS	Of minor historic relevance. Significance low. Erected during the 1940s. Subjected to numerous alterations. Architecturally utilitarian in appearance. Historically of little significance and unrepresentative in terms of the essential (original) institutional Modderfontein history.	<ul style="list-style-type: none"> <li>• Demolition to provide opportunity for new development.</li> </ul>	
27	NEW HOSPITAL WING	Of tertiary historic relevance. Significance low. Erected during the 1960s. A large extension comprising several double storey wings. Architecturally utilitarian in appearance. Historically of little significance and unrepresentative in terms of the essential (original) institutional Modderfontein history.	<ul style="list-style-type: none"> <li>• Demolition to provide opportunity for new development.</li> </ul>	<ul style="list-style-type: none"> <li>• Level 3 Documentation.</li> <li>• Documentation to be archived at the Dynamite Company Museum.</li> </ul>
28	HERITAGE CHRISTIAN COLLEGE SCHOOL	Of minor historic relevance. Significance low. Erected during the 1940s as an extension to the hospital. Subjected to numerous alterations. Currently occupied by Heritage Christian College, leased since 2004. Architecturally utilitarian in appearance. Historically of little significance and unrepresentative in terms of the essential (original) institutional Modderfontein history.	<ul style="list-style-type: none"> <li>• Demolition to provide opportunity for new development.</li> </ul>	<ul style="list-style-type: none"> <li>• Level 3 Documentation.</li> <li>• Documentation to be archived at the Dynamite Company Museum.</li> </ul>
29	OUTBUILDING	Of minor historic relevance. Significance low. Erected c1950. Architecturally utilitarian in appearance. Historically of no significance.	<ul style="list-style-type: none"> <li>• Demolition to provide opportunity for new development.</li> </ul>	
30	MODDERFONTEIN SPORTS CLUB	Of minor historic relevance. Significance low. Circa 1990 replaced previous constructed in the 1940s. Modern building of little architectural value. Recent history of low significance. Not directly connected with the early institutional history of the Explosives Factory.	<ul style="list-style-type: none"> <li>• Demolition to provide opportunity for new development.</li> </ul>	

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1	ANTWERP BRIDGE	Of primary historic relevance. Significance low. Original timber bridge erected in 1896 completely replaced. Even though original establishment may be regarded as significant, other than its location, the present structure is unrepresentative of original form and fabric.	<ul style="list-style-type: none"> <li>• Demolition to provide opportunity for new development, should it be required.</li> </ul>	<ul style="list-style-type: none"> <li>• Level 3 Documentation.</li> <li>• Documentation to be archived at the Dynamite Company Museum.</li> </ul>
2	HOUSE KNIGHT	Of tertiary historic relevance. Significance moderate. House Knight (No 13 Antwerp Avenue) erected in 1922. Typical example of post WWI staff housing. Condition of this structure requires extensive restoration should it be conserved. Severed environmental relationship due to the Gautrain rapid rail alignment. The introduction of this rail corridor impacted most negatively on the environmental cohesion, aesthetic integrity and the potential sustainability of cultural resources in the Modderfontein region. Mitigation for such a subversive intervention and associated loss of heritage can least be justified by the installation of interpretive infrastructure i.e. the proposed Modderfontein Station terminal as an enabling mechanism to facilitate the presentation of such significant regional history.	<ul style="list-style-type: none"> <li>• Demolition to provide opportunity for new development.</li> </ul>	<ul style="list-style-type: none"> <li>• Relocation and conservation of House Brown which represents an identical housing prototype.</li> <li>• Documentation of the structure and the location thereof.</li> <li>• Documentation to be archived at the Dynamite Company Museum.</li> </ul>
3	HOUSE BROWN	Of tertiary historic relevance. Significance moderate. House Knight (No 11 Antwerp Avenue) erected in 1922. Typical example of post WWI staff housing. Condition of this structure requires extensive restoration. Severed environmental relationship due to the Gautrain rapid rail alignment. The introduction of this rail corridor impacted most negatively on the environmental cohesion, aesthetic integrity and the potential sustainability of cultural resources in the Modderfontein region. Mitigation for such a subversive intervention and associated loss of heritage can least be justified by the installation of interpretive infrastructure i.e. the proposed Modderfontein Station terminal as an enabling mechanism to facilitate the presentation of such significant regional history. Mitigation should have further accounted for relocation costs.	<ul style="list-style-type: none"> <li>•Relocation to the Development Precinct 4 Heritage Area to provide opportunity for new development.</li> </ul>	<ul style="list-style-type: none"> <li>• Retention albeit relocated.</li> <li>• Authorization to be furnished to the PHRA-G for sub-category Grade II listing in the Provincial Heritage Register in accordance with provisions contained in Section 30 of the NHR Act.</li> <li>• Interpretation which includes the name 'No 11 Antwerp Avenue' as an indicator of original siting.</li> </ul>
4	MIXED PICKLES BROWN	Of primary historic relevance. Significance high. Single detached residential structure erected in 1899 at No 9 Mixed Pickles Avenue. Occupant F V Mc Kechnie, the Chief of Security Officer. Displays features most typical of architectural styles prevalent during the establishment of the Explosives Factory. Condition requires extensive restoration. Historically important and of high significance. Severed environmental relationship due to the Gautrain rapid rail alignment. The introduction of this rail corridor impacted most negatively on the environmental cohesion, aesthetic integrity and the potential sustainability of cultural resources in the Modderfontein region. Mitigation for such a subversive intervention and associated loss of heritage can least be justified by the installation of interpretive infrastructure i.e. the proposed Modderfontein Station terminal as an enabling mechanism to facilitate the presentation of such significant regional history. Mitigation should have further accounted for relocation costs.	<ul style="list-style-type: none"> <li>•Relocation to the Development Precinct 4 Heritage Area to provide opportunity for new development.</li> </ul>	<ul style="list-style-type: none"> <li>• Retention albeit relocated.</li> <li>• Authorization to be furnished to the PHRA-G for sub-category Grade II listing in the Provincial Heritage Register in accordance with provisions contained in Section 30 of the NHR Act.</li> <li>• Interpretation which includes the name 'No 11 Antwerp Avenue' as an indicator of original siting.</li> </ul>
5	MIXED PICKLES COOPER	Of primary historic relevance. Significance high. Single detached residential structure erected in 1898 at No 7 Mixed Pickles Avenue. Occupant Mr Murdoch, company building contractor. Displays features most typical of architectural styles prevalent during the establishment of the Explosives Factory. Condition requires extensive restoration. Historically important and of high significance. Severed environmental relationship due to the Gautrain rapid rail alignment. The introduction of this rail corridor impacted most negatively on the environmental cohesion, aesthetic integrity and the potential sustainability of cultural resources in the Modderfontein region. Mitigation for such a subversive intervention and associated loss of heritage can least be justified by the installation of interpretive infrastructure i.e. the proposed Modderfontein Station terminal as an enabling mechanism to facilitate the presentation of such significant regional history. Mitigation should have further accounted for relocation costs.	<ul style="list-style-type: none"> <li>•Relocation to the Development Precinct 4 Heritage Area to provide opportunity for new development.</li> </ul>	<ul style="list-style-type: none"> <li>• Retention albeit relocated.</li> <li>• Authorization to be furnished to the PHRA-G for sub-category Grade II listing in the Provincial Heritage Register in accordance with provisions contained in Section 30 of the NHR Act.</li> <li>• Interpretation which includes the name 'No 11 Antwerp Avenue' as an indicator of original siting.</li> </ul>
6 7 8	MODDERFONTEIN GOLFCLUB GOLFCLUB OUTBUILDINGS GOLFCLUB SHEDS	Of tertiary historic relevance. Significance low. The original 9-hole course was relocated in 1935 to its existing location. In 1990 this new 18-hole golf course, designed by Arthur Tomsett was superceded the present golf course designed by Baiocchi, Falkson, and Barnard and the 1935 clubhouse was completely rebuilt in 1997, sited in the same location. Although of institutional historic value, the eclectic modern building possesses little architectural value other than being functional. Utilitarian associated outbuildings and sheds.	<ul style="list-style-type: none"> <li>• Retention of the name 'Modderfontein Golf Club' and golf course site location.</li> <li>• Change or demolition of the present structures to provide opportunity for redevelopment, should it be required.</li> </ul>	

SPATIAL CLUSTER