

Kalgold Locality

1385 Kalgold Expansion EIA WULA

Legend

-  Expansion Affected Properties
-  Towns
-  Rivers
-  Roads



Data Sources:

CSG; ESRI; ENPAT; WR2012
 Coord System: GCS WGS 1984
 Datum: WGS 1984
 Units: Degree
 Ref: 1385 Locality Map_201022

Date: 2021/03/26
 EIMS Ref: 1385
 Compiled: PH
 Reviewed: JP
 Approved: LW



22248.9744

24472.8719

26696.7693

28920.6668

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-2893330.5752

-2895554.4727

Kalgold Amendment Layout Map

1385 Kalgold Expansion EIA WULA

Legend

-  Expansion Affected Properties
-  Approved Low Grade Stockpile Area
-  A Zone Pit Extension
-  Water Tank Pit Extension
-  Windmill Zone Pit Extension
-  N18 Underpass
-  Processing Plant
-  Return Water Dam
-  Tailings Dam
-  Explosives Magazine
-  Existing Stockpiles and Dumps
-  Roads



Windmill Zone Pit

Windmill Zone Pit Extension

Water Tank Pit

Water Tank Waste Rock Dump

Spanover Waste Dump

Low Grade Stockpile Area

A Zone Pit
A Zone WRD

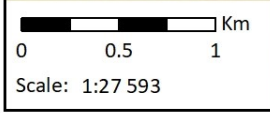
New LG Stockpile

Low Grade Stockpile

Waste Dump North

D Zone Pit

Waste Dump South



Data Sources:
 CSG; ESRI
 Coord System: Wgs84 Lo29
 Projection: Transverse Mercator
 Datum: ITRF 2005
 Ref: 1385 Existing Infrastructure _20220126.

Date: 2022/01/26
 EIMS Ref: 1385
 Compiled: CM
 Reviewed: BK
 Approved: LW



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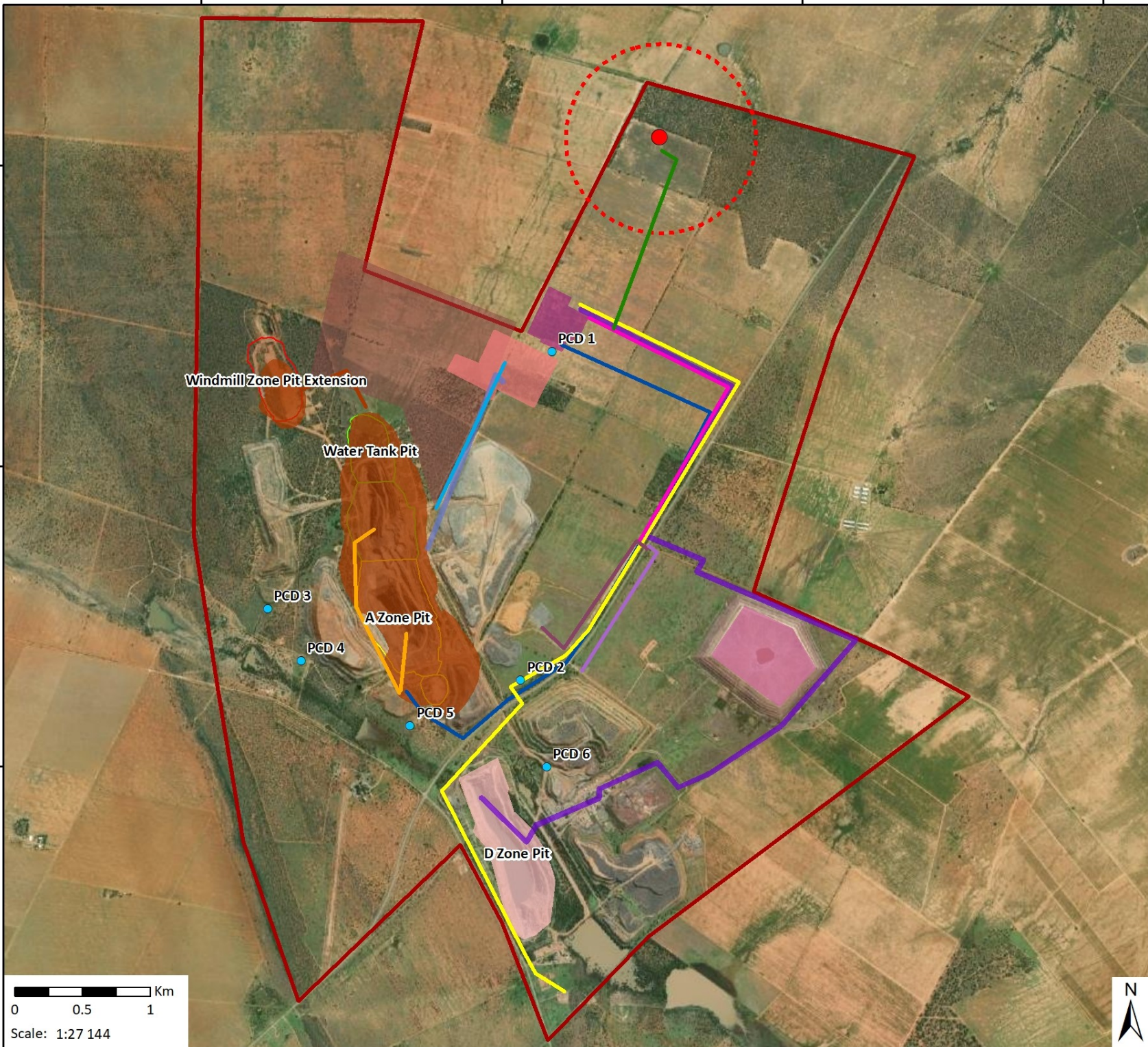
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Proposed Kalgold Expansions

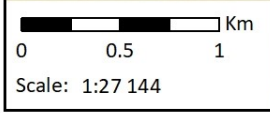
1385 Kalgold Expansion EIA WULA

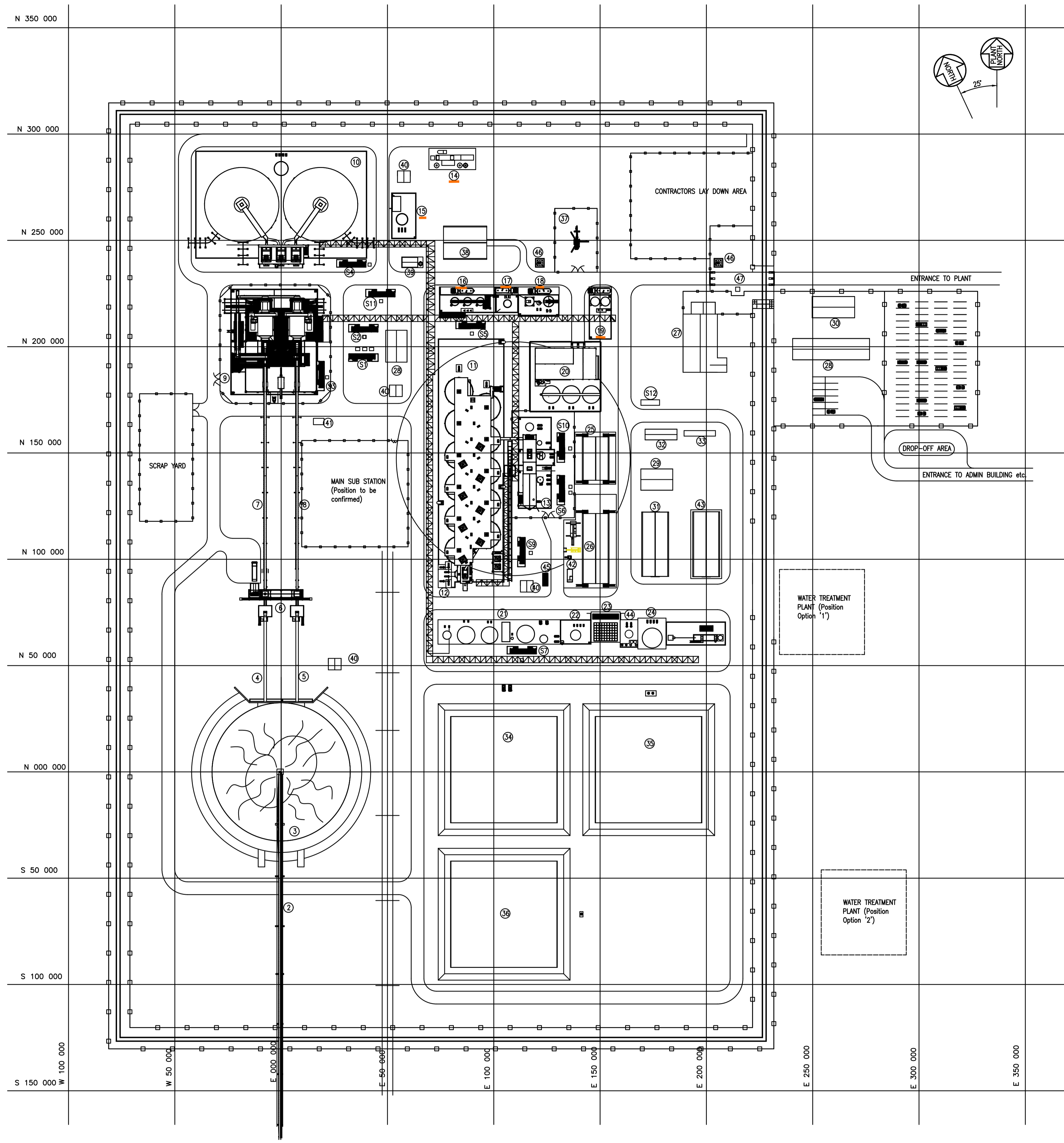
Legend

- Proposed Pollution Control Dam Locations
- Explosives Magazine
- ~ New Explosive Magazine Road
- ~ ROM Road
- ~ WRD Ext Road
- ~ New Road to Old Plant
- ~ New TMM Workshop Road
- - - Explosives Magazine Clearance Radius
- Haul Road to New ROM Corridor
- ~ New Plant Road
- ~ Power Lines
- Tailings and Return Water Pipelines Corridor
- ~ Water Pipeline
- ~ Dewatering Pipelines
- Increased Pit Footprints
- New Plant
- New ROM Pad
- Recommissioned Tailings Facility
- Spanover Waste Rock Dump Extension

Data Sources:
 CSG; ESRI
 Coord System: Wgs84 Lo29
 Projection: Transverse Mercator
 Datum: ITRF 2005
 Ref: Proposed Infrastructure_20220202_PCDS_Update

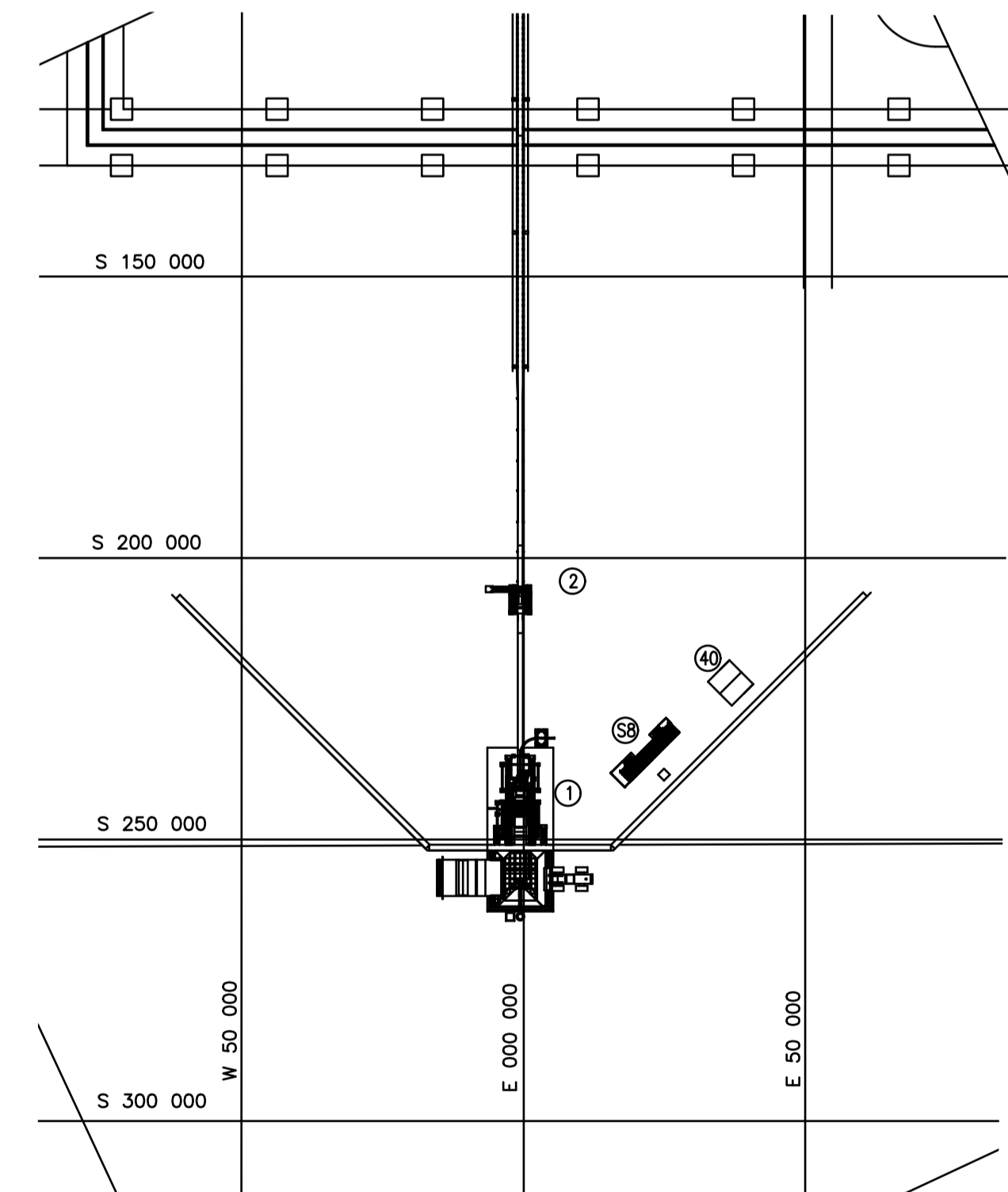
Date: 2022/02/02
 EIMS Ref: 1385
 Compiled: CM
 Reviewed: BK
 Approved: LW





ITEM	MCC DESCRIPTION	SUBSTATION NO
1	22KV SUBSTATION	S1
2	6.6KV SUBSTATION	S2
3	MILLING 525V MCC SUBSTATION	S3
4	THICKENERS, TRASH, FLOCCULANT AND PLANT AIR MCC SUBSTATION	S4
5	OXYGEN, CYANIDE, LIME, CAUSTIC SODA, HCL AND REAGENT STORES MCC SUBSTATION	S5
6	ELUTION, REGENERATION, ACID TREATMENT AND ELECTRICAL WORKSHOP MCC SUBSTATION	S6
7	WATER SERVICES AND SEWAGE MCC SUBSTATION	S7
8	PRIMARY CRUSHERS MCC SUBSTATION	S8
9	CIL/CIP AND TAILINGS MCC SUBSTATION	S9
10	PRE OX., LEACH, GOLD ROOM, STORES, TRAINING, MESS, LABS, CHANGE HOUSE AND OFFICES MCC SUBSTATION	S10
11	CONTROL ROOM	S11
12	MINI SUBSTATION	S12

LEGEND		
TAG	AREA DESCRIPTION	AREA CODE
CRUSHING		
1	R.O.M. TIP AND PRIMARY CRUSHER	
2	STOCKPILE FEED CONVEYOR	
3	CRUSHED ORE STOCKPILE	
4	STOCKPILE DISCHARGE CONVEYOR No.1	
5	STOCKPILE DISCHARGE CONVEYOR No.2	
6	MILL STEEL BALL LOADING AREA	
7	MILL FEED CONVEYOR No.1	
8	MILL FEED CONVEYOR No.2	
9	MILLING AREA	
10	TRASH SCREENING AND THICKENING	
11	PRE-OX AND LEACH	
12	TAILS PUMPING	
13	ELUTION	
14	OXYGEN PLANT	
15	FLOCCULANT	
16	CYANIDE	
17	CAUSTIC SODA	
18	LIME	
19	HCL	
20	GOLD ROOM	
21	RAW WATER	
22	GLAND SERVICE WATER	
23	FIRE WATER	
24	PROCESS WATER AND BROWN AND GRAY WATER TREATMENT PLANT	
25	EC & I WORKSHOP	
26	MECHANICAL WORKSHOP	
27	CHANGE HOUSE	
28	OFFICE COMPLEX	
29	TRAINING CENTER	
30	MESSING AND KITCHEN	
31	GENERAL STORES	
32	ASSAY LAB	
33	MET LAB	
34	RAW WATER POND	
35	PROCESS WATER POND	
36	PROCESS WATER SURGE POND	
37	HELI PAD	
38	REAGENTS STORE	
39	PLANT AIR	
40	ABLUTIONS AND KITCHENS x 5	
41	RUBBER LINING AREA	
42	DIESEL STORAGE AND PUMP x 2(Transtank)	
43	CRITICAL SPARES STORE	
44	WATER SOFTENING PLANT	
45	FIRST AID ROOM / MEDICAL FACILITY	
46	GUARD TOWER	
47	AIR LOCK AND OFF-LOADING	



PRELIMINARY
FOR INFORMATION ONLY

DRAWING NO. MS8184A00003M120001001

DRG NO	TITLE
	REFERENCE DRAWINGS

REV	DATE	DESCRIPTION	BY	CHKD	PSL
F	19.5.21	UPDATED TO SUIT SECURITY REQUIREMENTS	PJM		
E	14.5.21	UPDATED TO SUIT SECURITY REQUIREMENTS	PJM		
D	29.4.21	MCC AND SUB STATION REPOSITIONED	PJM		
C	29.4.21	INFRASTRUCTURE BUILDINGS REPOSITIONED	PJM		
B	7.4.21	ADMIN OFFICES MOVED OUTSIDE FENCE	PJM		
A	20.3.21	ISSUED FOR COMMENT	PJM		

APPROVED BY				REGISTERED ENGINEER	
DEPT	NAME	SIGN	DATE	NAME	DATE
MECH					
ELECT					
INSTR					
CIVIL					
STRUCT					
PIPING					
PROCESS					
PROJ ENG					

DO NOT SCALE		REGISTERED ENGINEER		NAME		DATE	
REG. No	SIGN	NAME	DATE	NAME	DATE	NAME	DATE

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KALGOLD PLANT DESIGN
 GE000 - PLANT GENERAL
 GE000 - PLANT GENERAL
 BLOCK PLAN

COPYRIGHT A0 SCALE: AS SHOWN PROJ No: MS8184A DWG No: 000003M120001001 REV: F



Final Sensitivity Map


1385 Kalgold Expansion EIA WULA

Legend

 Expansion Affected Properties

Sensitive Air Quality Receptors

 Medium

 High

Final Sensitivity

 Least

 Low

 Medium

 High

 No Go

Data Sources:

CSG; ESRI

Coord System: GCS WGS 1984

Datum: WGS 1984

Units: Degree

Ref: EIA Sensitivity_20220128

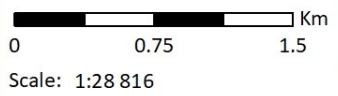
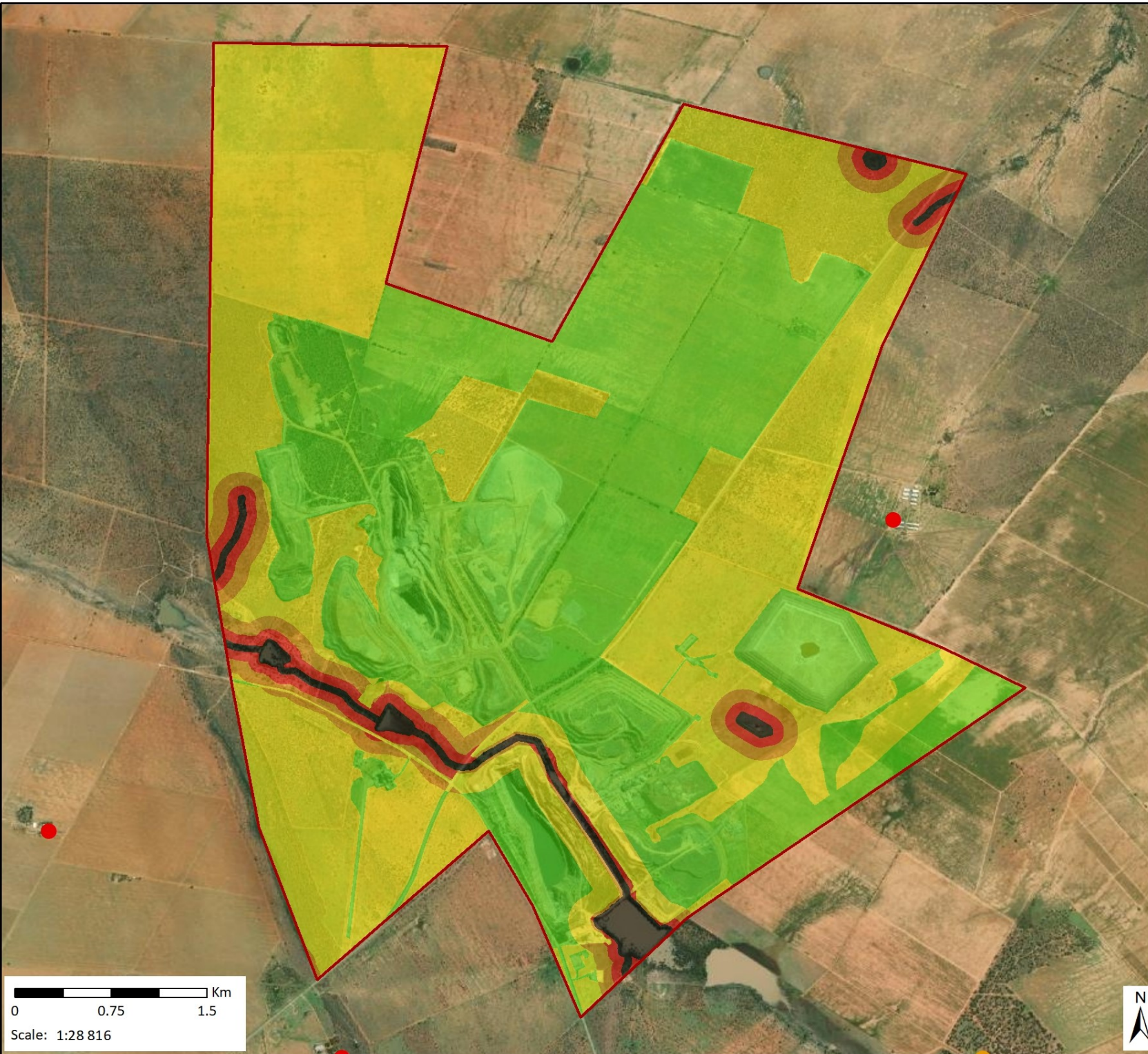
Date: 2022/01/31

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




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Sensitivity Rating

-  Least
-  Low
-  Medium
-  High
-  No Go

Proposed Expansion Sensitivity Map

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- #### Legend
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