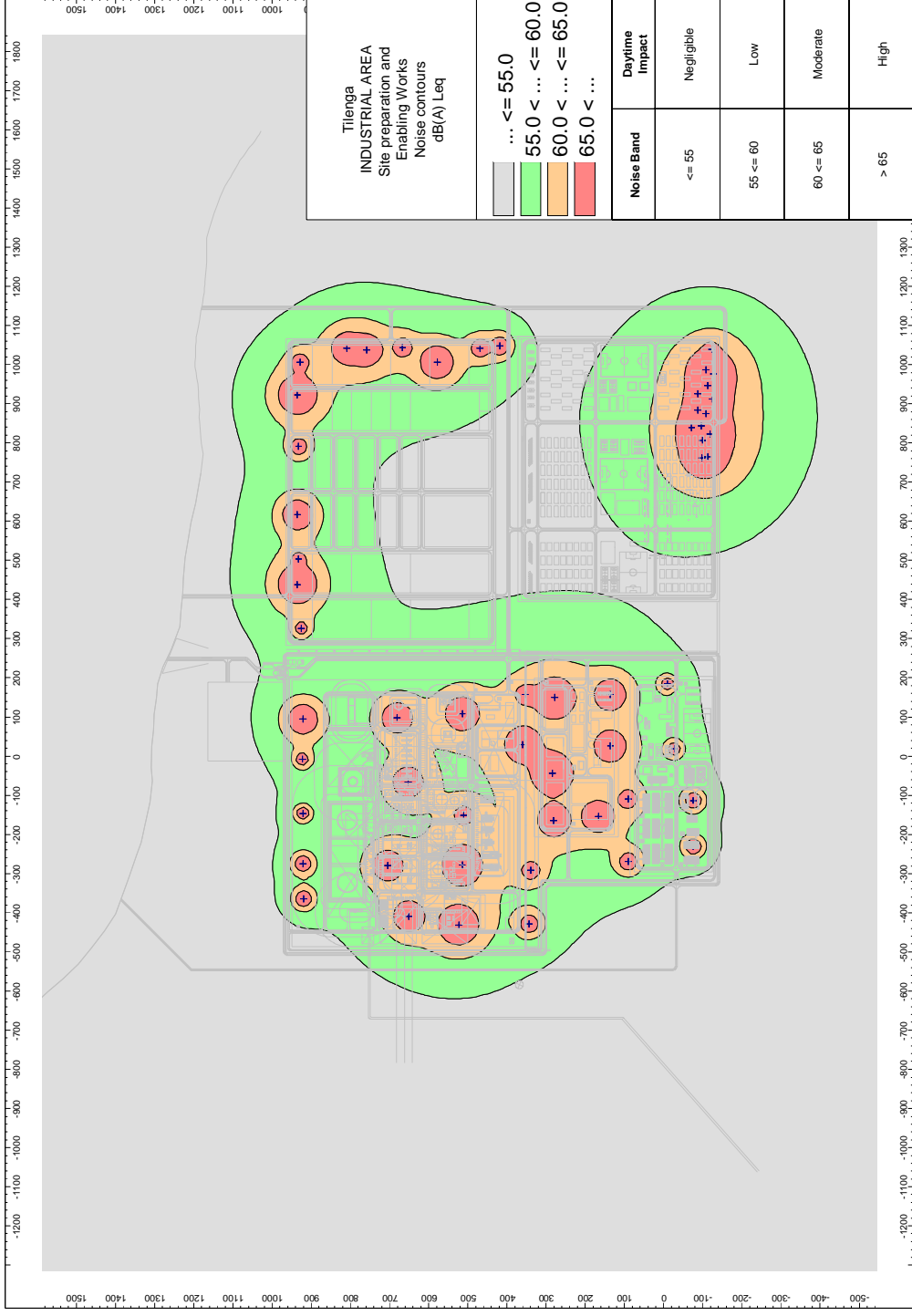


The background is a solid blue color. Overlaid on this are several thin white lines that intersect to form a series of overlapping triangles and quadrilaterals, creating a modern, abstract geometric pattern.

# Appendix 12: Site Preparation and Enabling Works Results

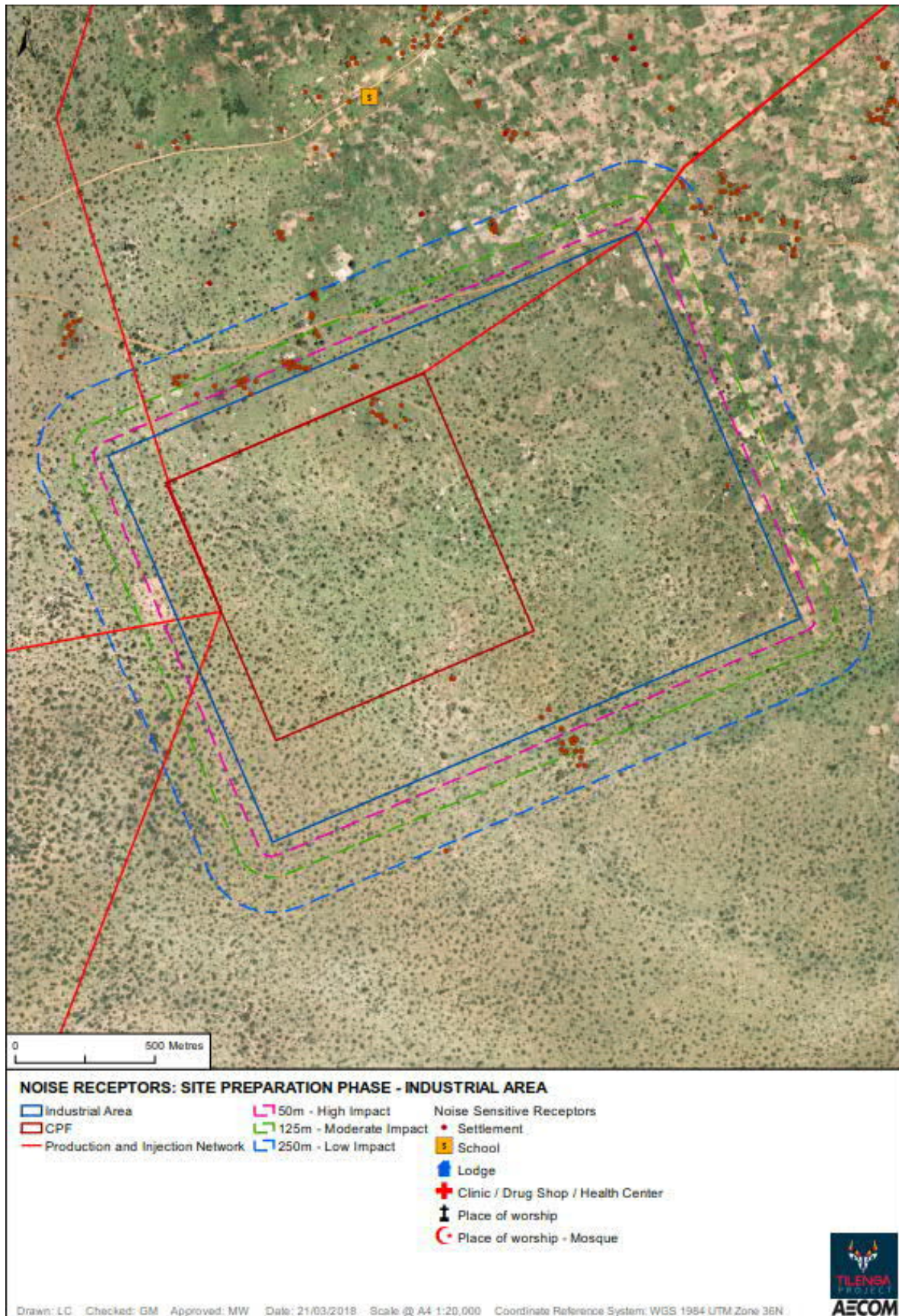
## Appendix I2. Site Preparation and Enabling Works Results

Figure I2-1: Industrial Area Site Preparation and Enabling Works Daytime Noise Contours

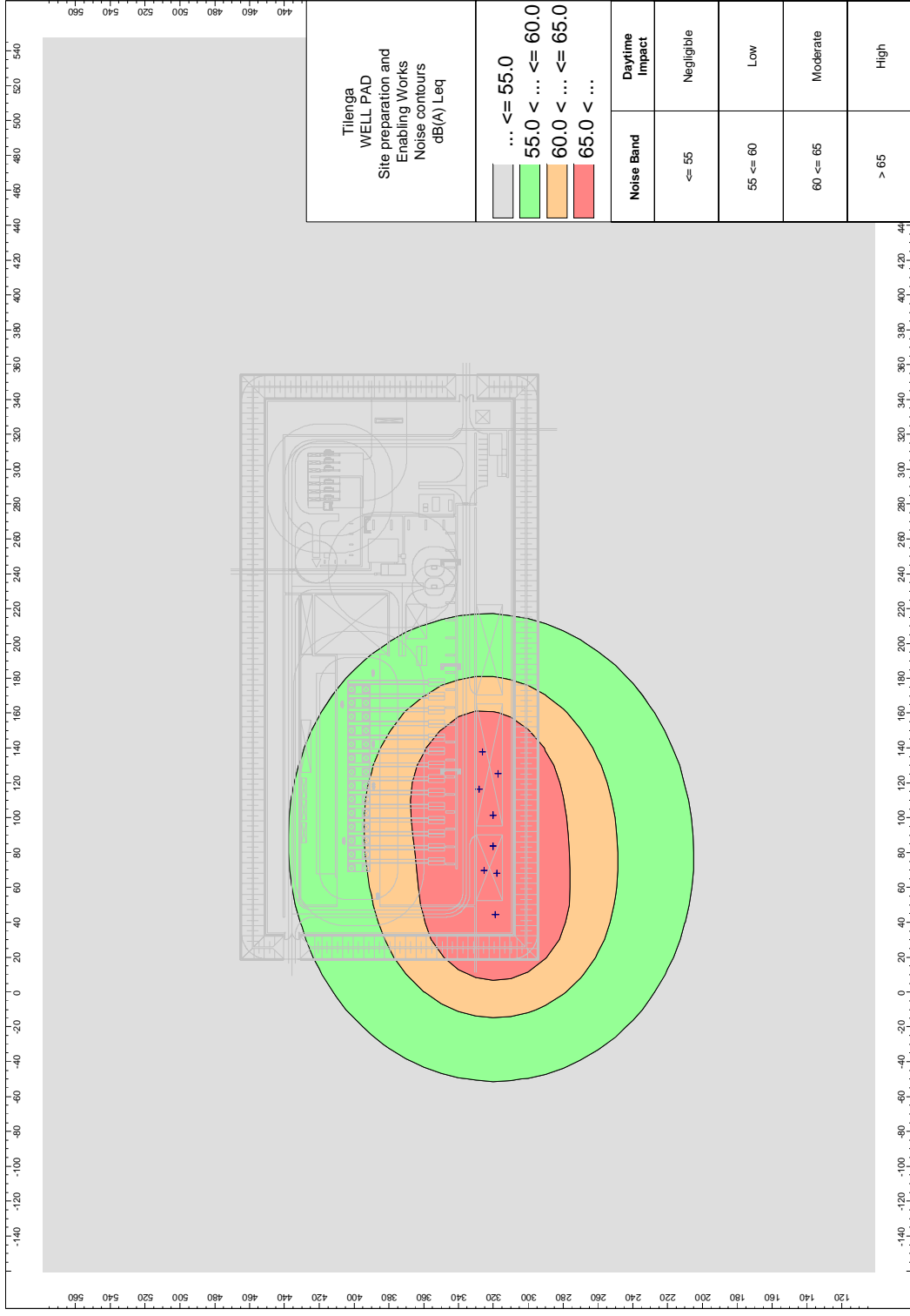


The assessment of noise due to site preparation and enabling works at the Industrial Area is presented in Section 7.6.3.2.1

Figure I2-2: Industrial Area Site Preparation and Enabling Works Receptor Analysis



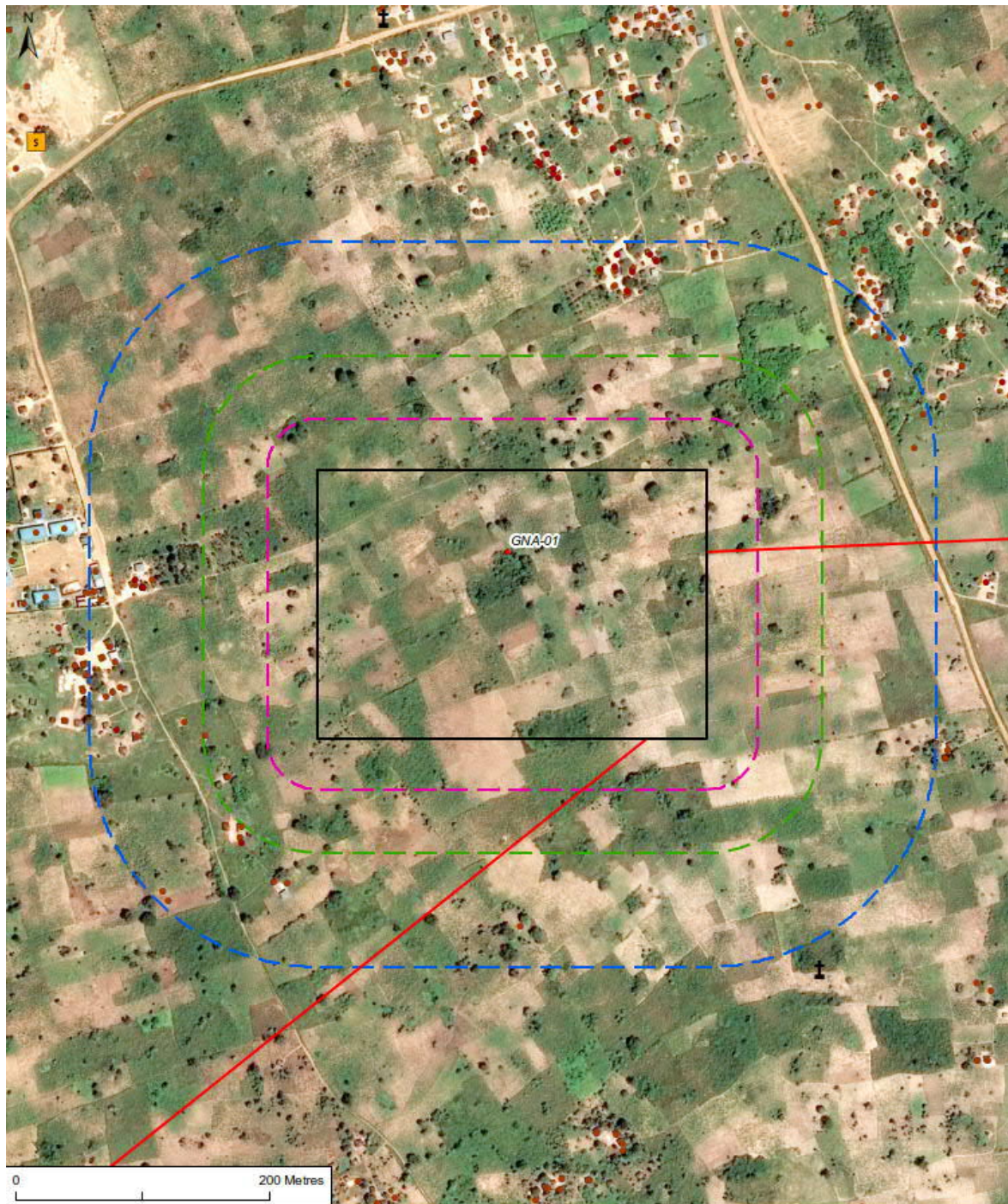
**Figure I2-3: Well Pad Site Preparation and Enabling Works Daytime Noise Contours**



The assessment of noise due to site preparation and enabling works at well pad sites is presented in Section 7.6.3.2.2



Figure I2-4: GNA-01 Site Preparation and Enabling Works Daytime Receptor Analysis



**NOISE RECEPTORS: SITE PREPARATION PHASE - GNA-01**

- Wellpad location
- ◻ Wellpad Extent - Maximum
- Production and Injection Network
- ◻ 40m - High Impact
- ◻ 90m - Moderate Impact
- ◻ 180m - Low Impact
- Noise Sensitive Receptors
- Settlement
- S School
- 🏠 Lodge
- ⛑ Clinic / Drug Shop / Health Center
- ⚰ Place of worship
- 🕌 Place of worship - Mosque

Drawn: LC Checked: GM Approved: MW Date: 04/02/2019 Scale @ A4 1:5,000 Coordinate Reference System: WGS 1984 UTM Zone 36N





Figure I2-5: GNA-02 Site Preparation and Enabling Works Daytime Receptor Analysis

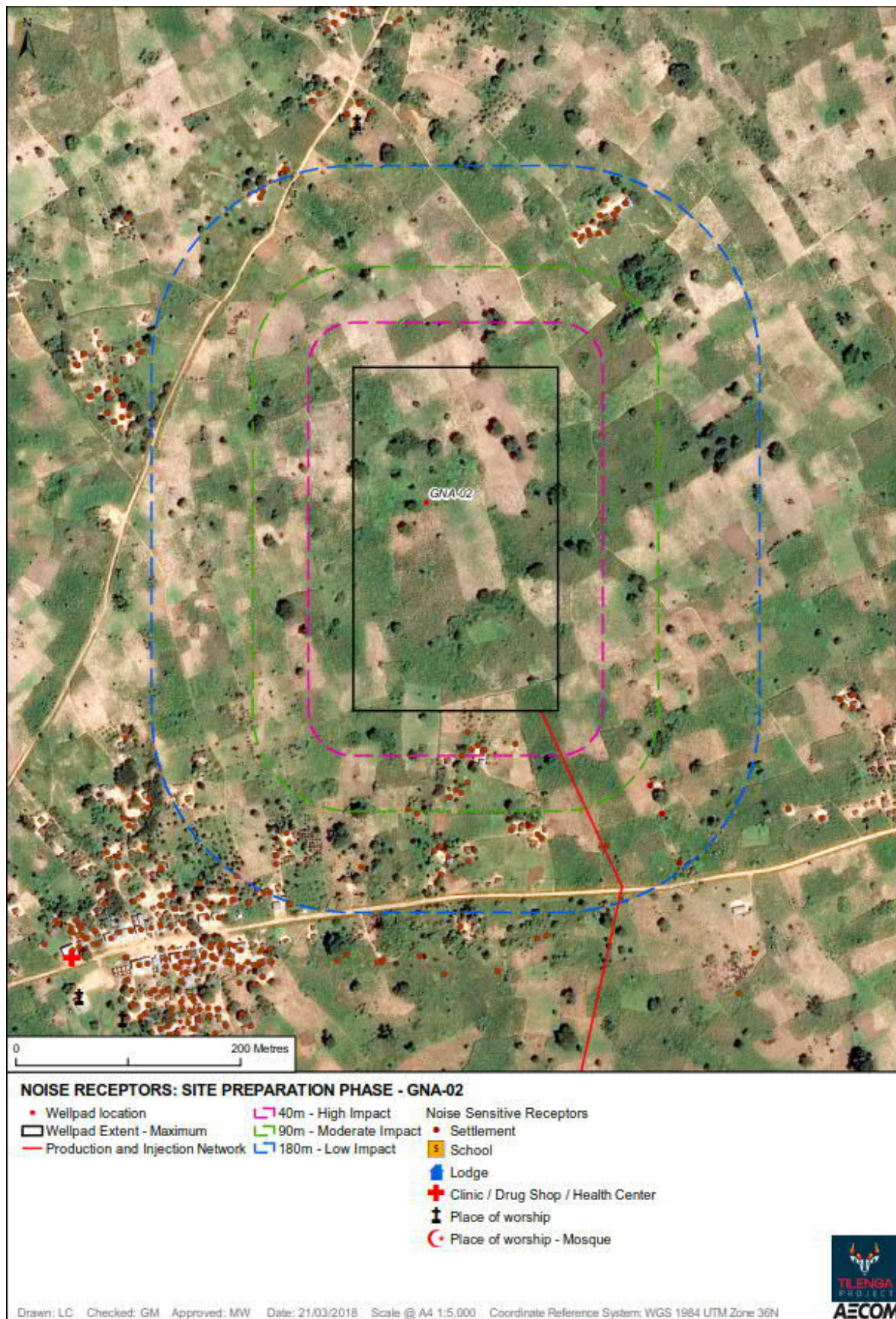




Figure I2-6: GNA-03 Site Preparation and Enabling Works Daytime Receptor Analysis

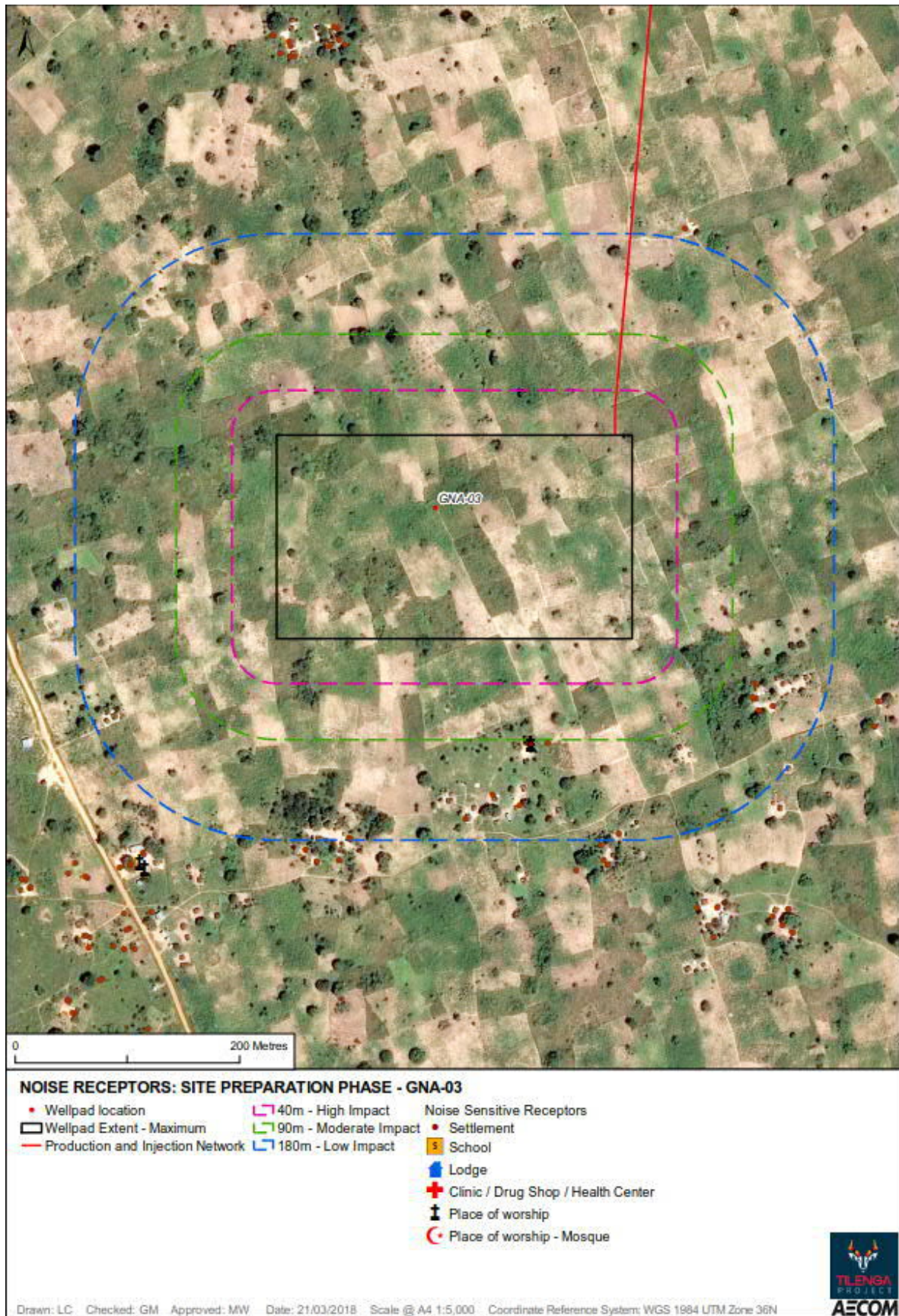




Figure I2-7: GNA-04 Site Preparation and Enabling Works Daytime Receptor Analysis

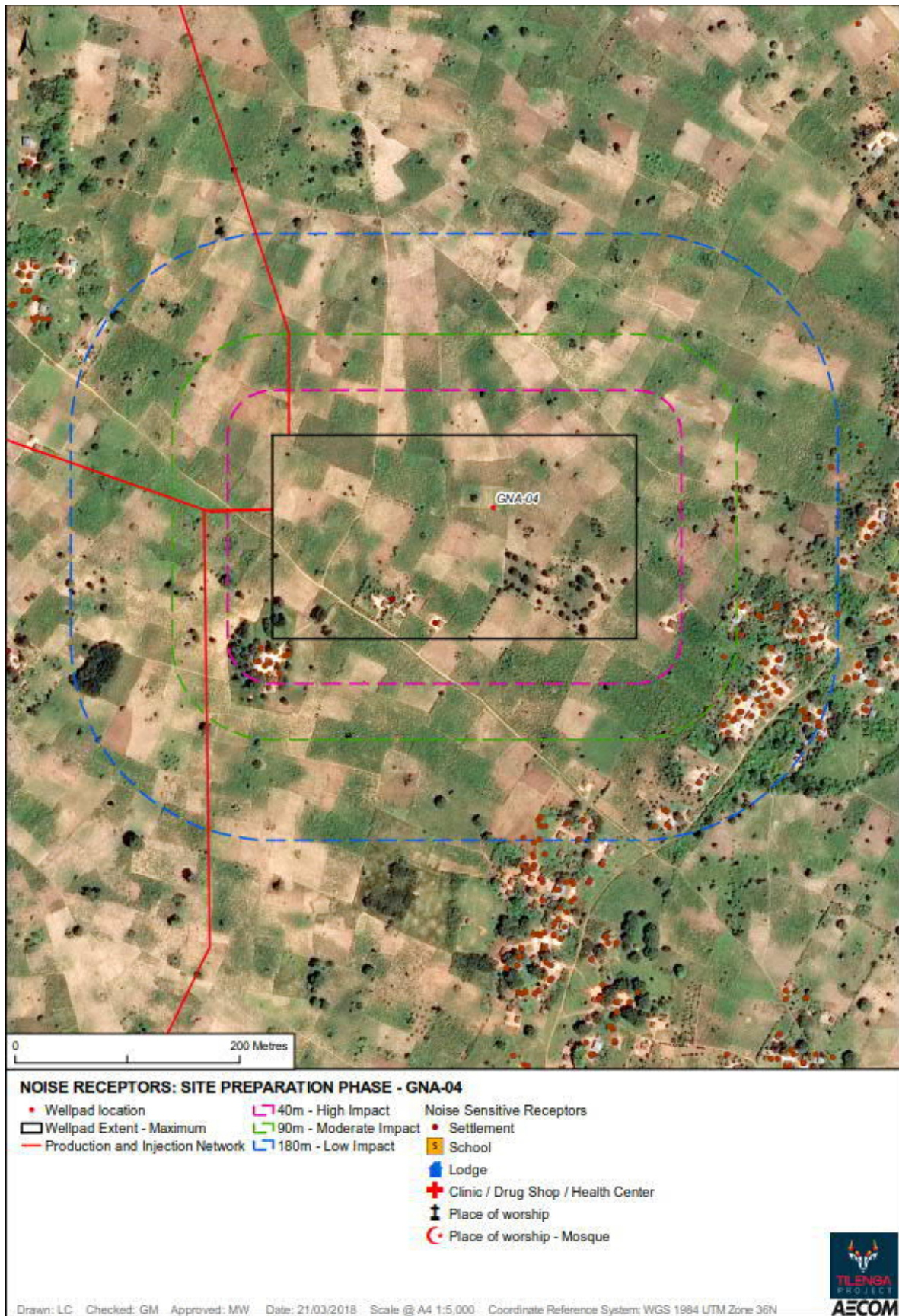
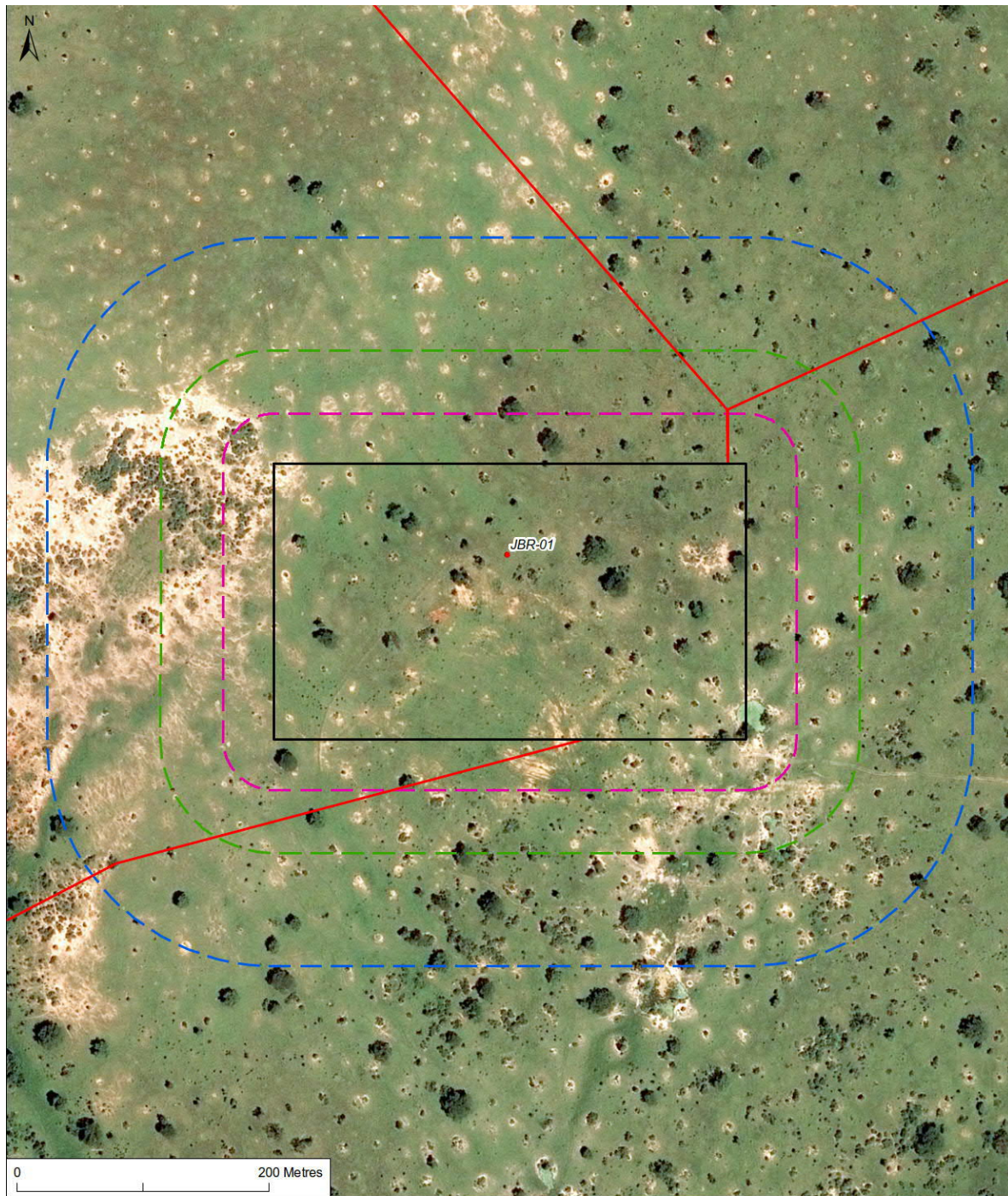




Figure I2-8: JBR-01 Site Preparation and Enabling Works Daytime Receptor Analysis



**NOISE RECEPTORS: SITE PREPARATION PHASE - JBR-01**

- Wellpad location
- Wellpad Extent - Maximum
- Production and Injection Network
- 40m - High Impact
- 90m - Moderate Impact
- 180m - Low Impact
- Noise Sensitive Receptors
- Settlement
- 🏫 School
- 🏠 Lodge
- ⛑ Clinic / Drug Shop / Health Center
- 🕌 Place of worship
- 🕌 Place of worship - Mosque

Drawn: LC Checked: GM Approved: MW Date: 04/02/2019 Scale @ A4 1:5,000 Coordinate Reference System: WGS 1984 UTM Zone 36N





Figure I2-9: JBR-02 Site Preparation and Enabling Works Daytime Receptor Analysis

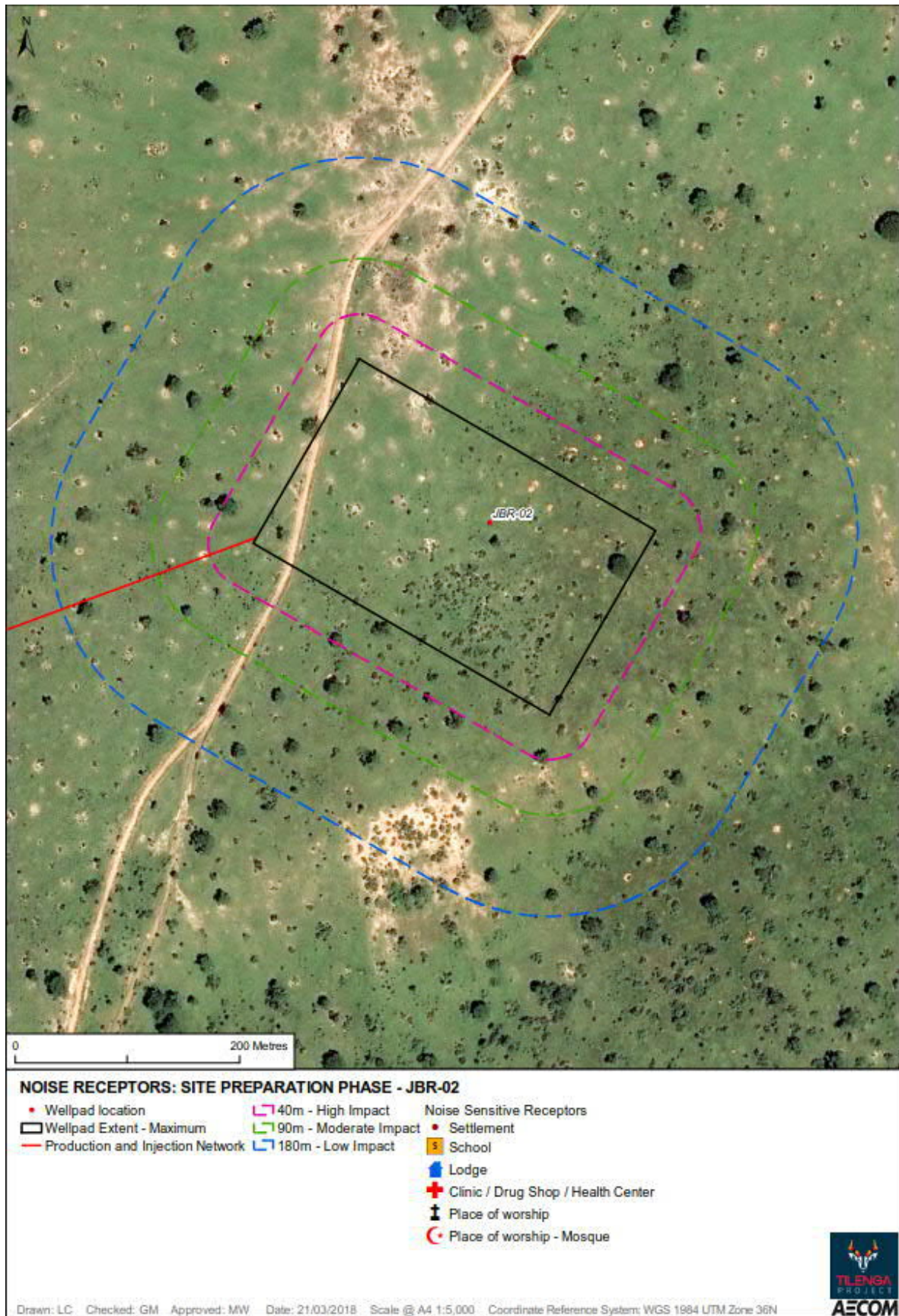




Figure I2-10: JBR-03 Site Preparation and Enabling Works Daytime Receptor Analysis

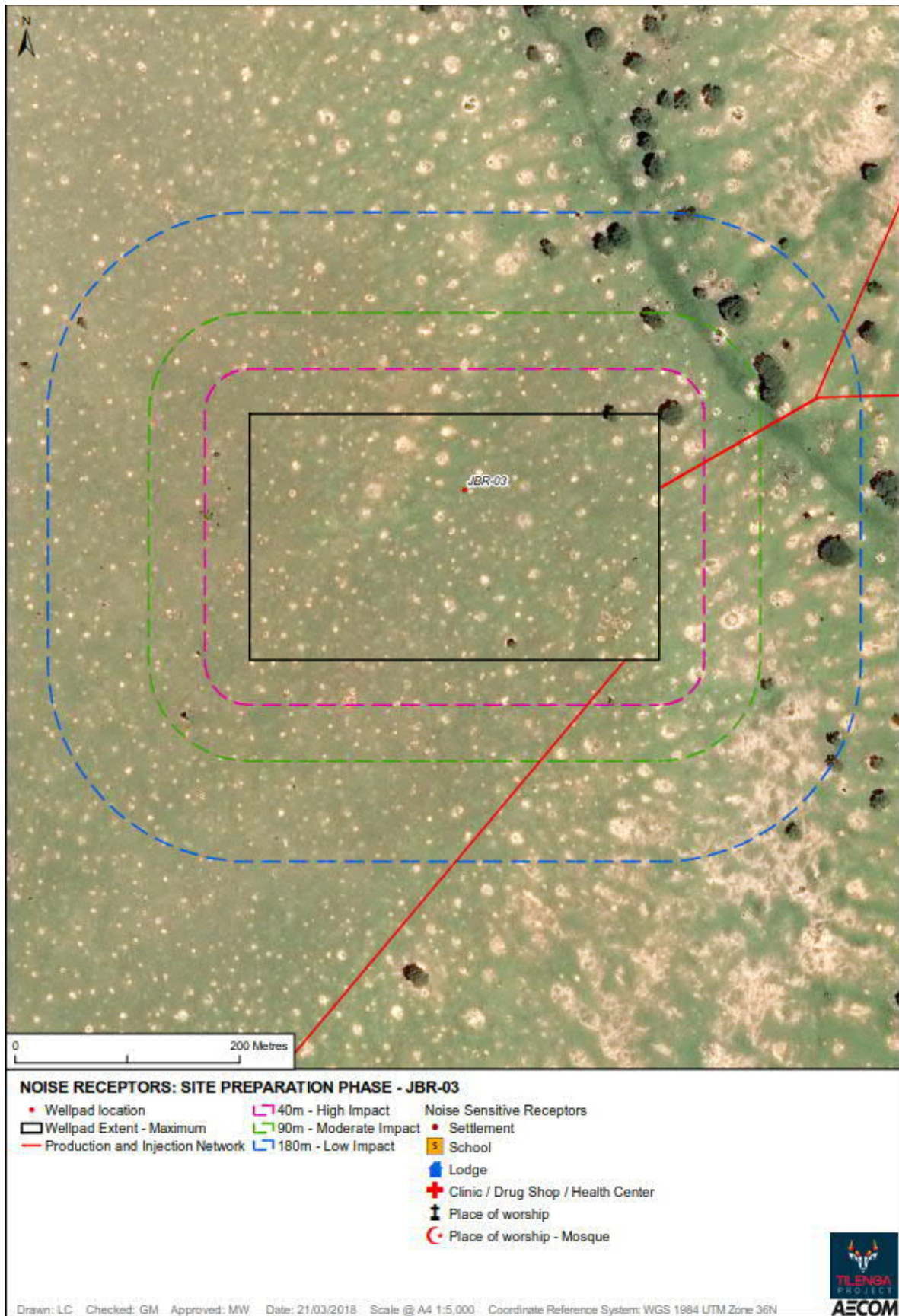




Figure I2-11: JBR-04 Site Preparation and Enabling Works Daytime Receptor Analysis

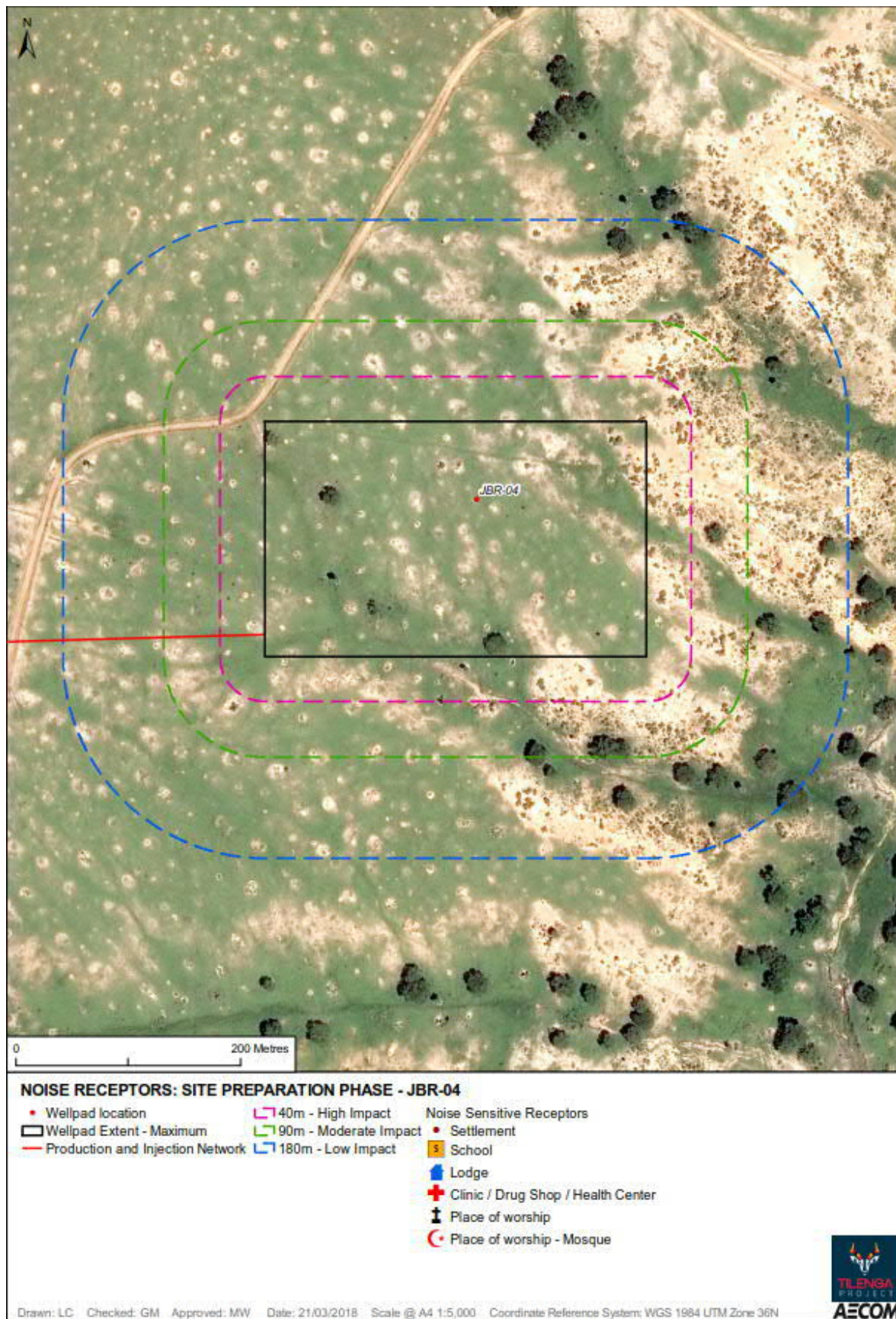




Figure I2-12: JBR-05 Site Preparation and Enabling Works Daytime Receptor Analysis

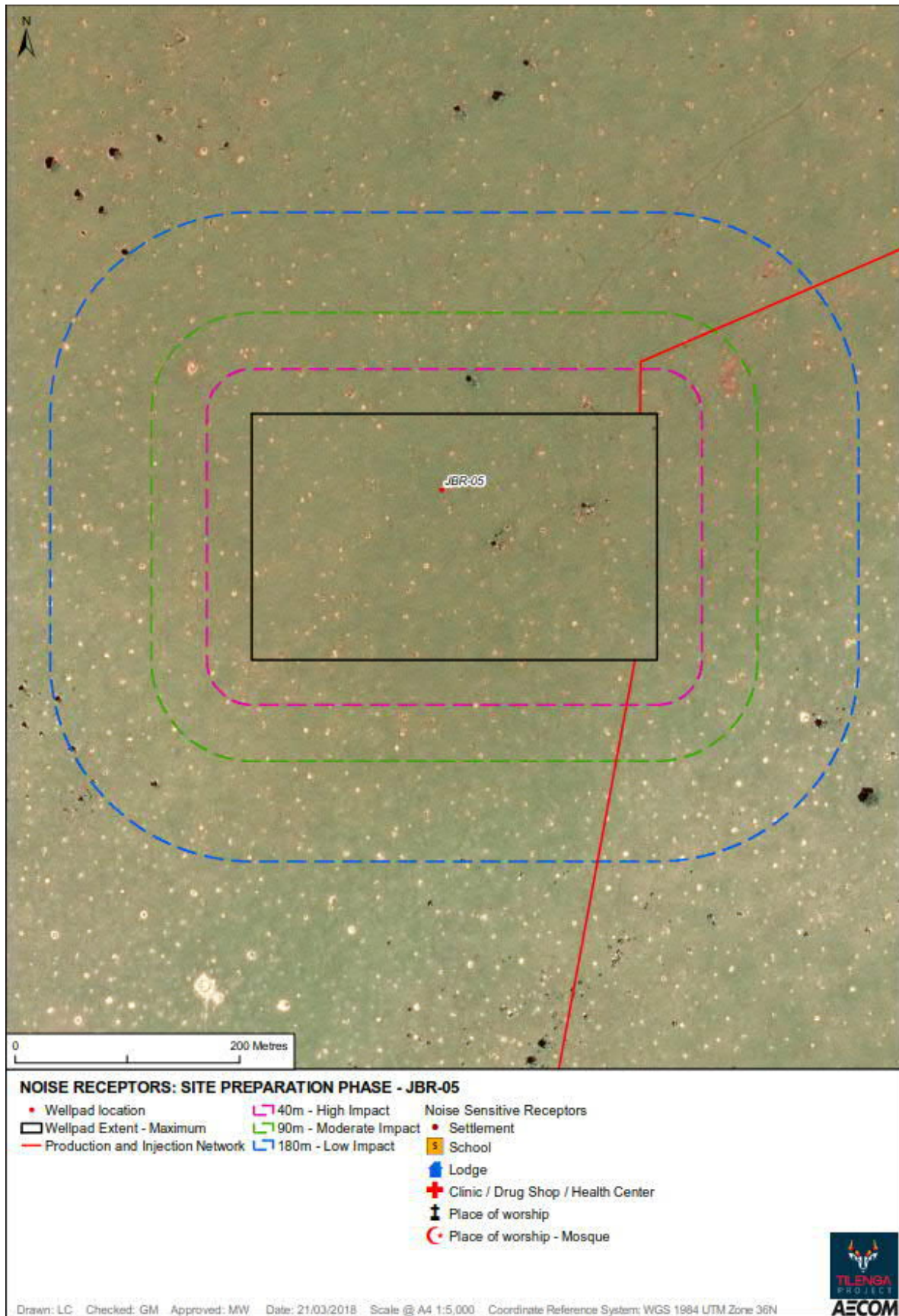


Figure I2-13: JBR-06 Site Preparation and Enabling Works Daytime Receptor Analysis

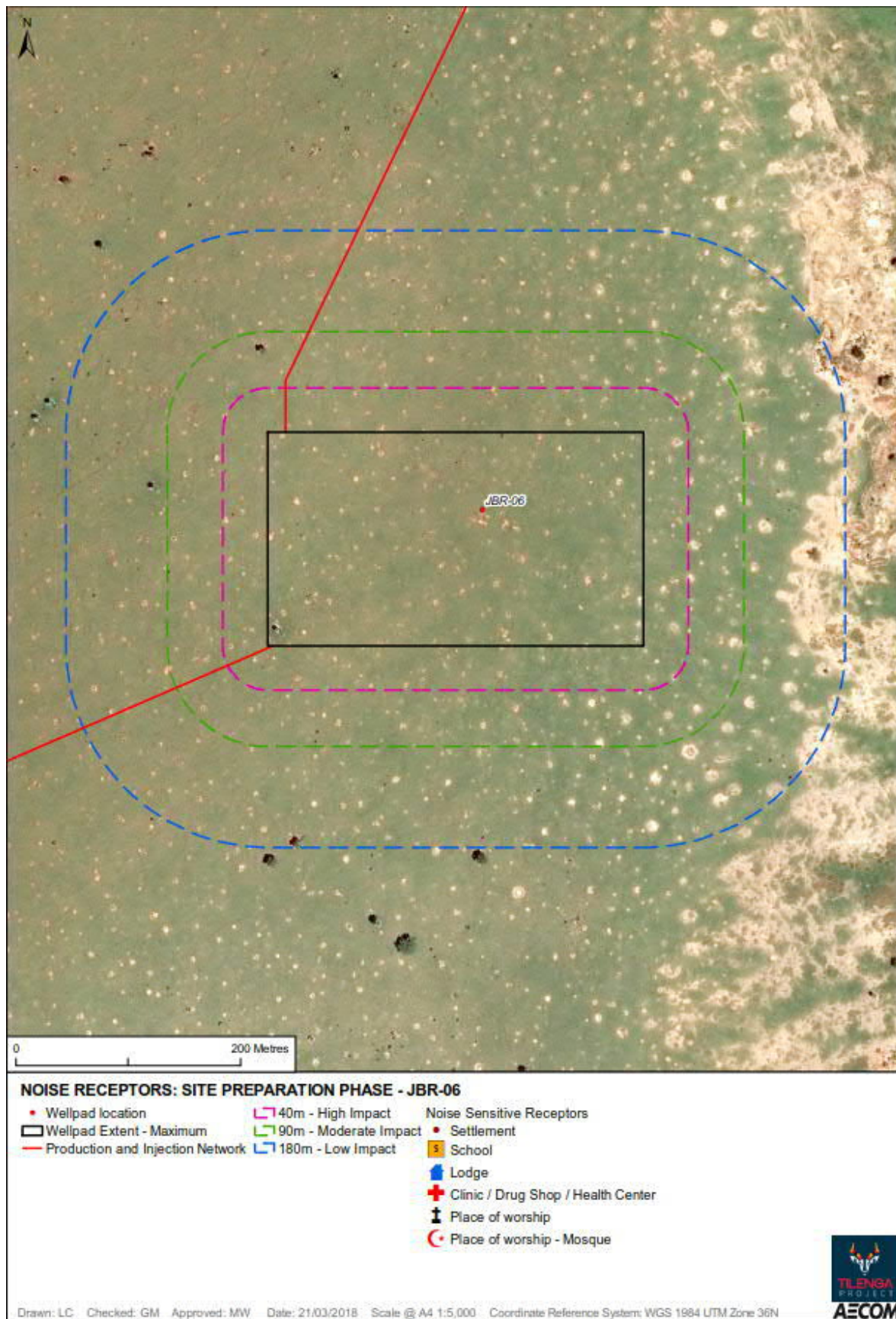




Figure I2-14: JBR-07 Site Preparation and Enabling Works Daytime Receptor Analysis

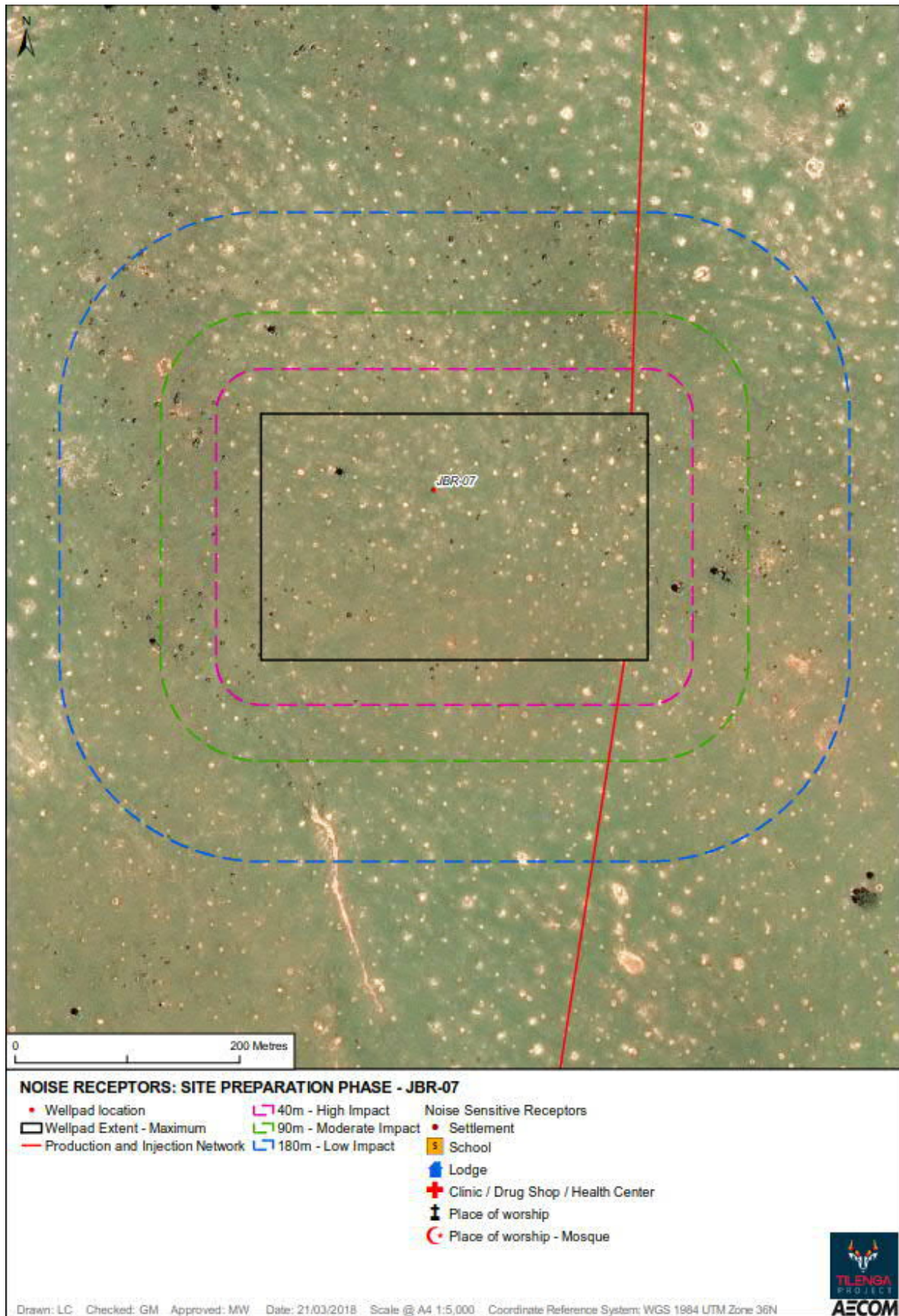




Figure I2-15: JBR-08 Site Preparation and Enabling Works Daytime Receptor Analysis

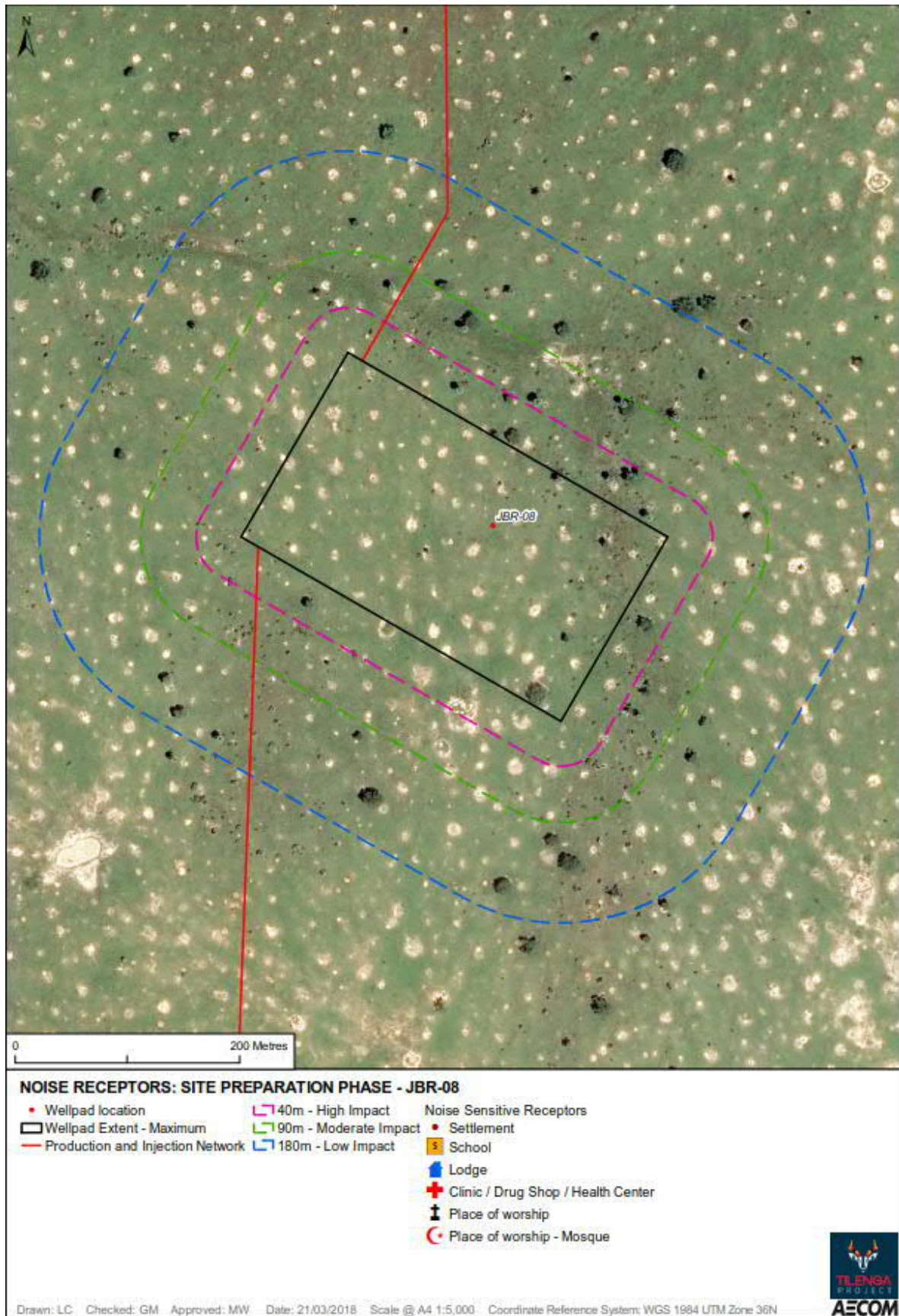




Figure I2-16: JBR-09 Site Preparation and Enabling Works Daytime Receptor Analysis

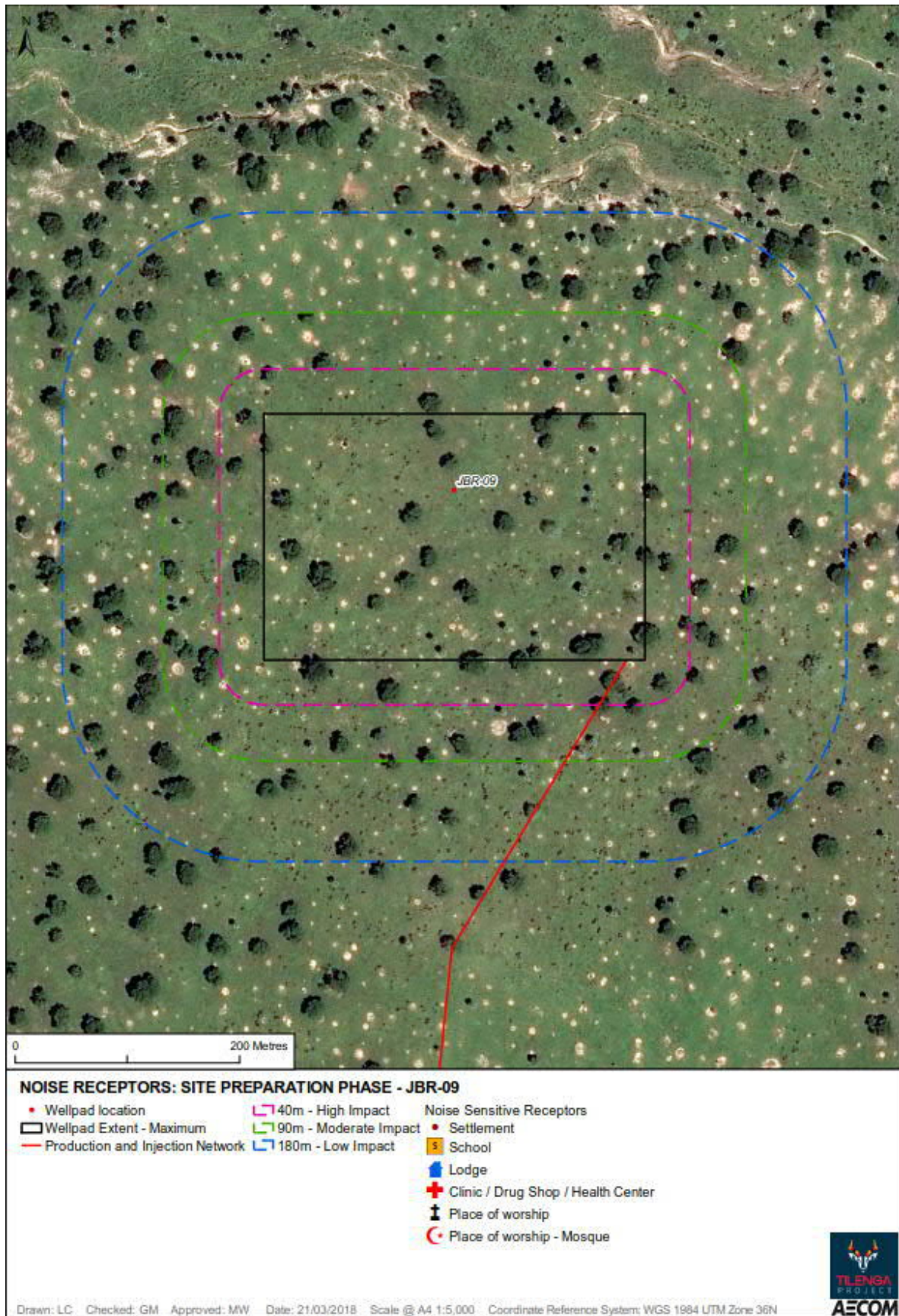




Figure I2-17: JBR-10 Site Preparation and Enabling Works Daytime Receptor Analysis

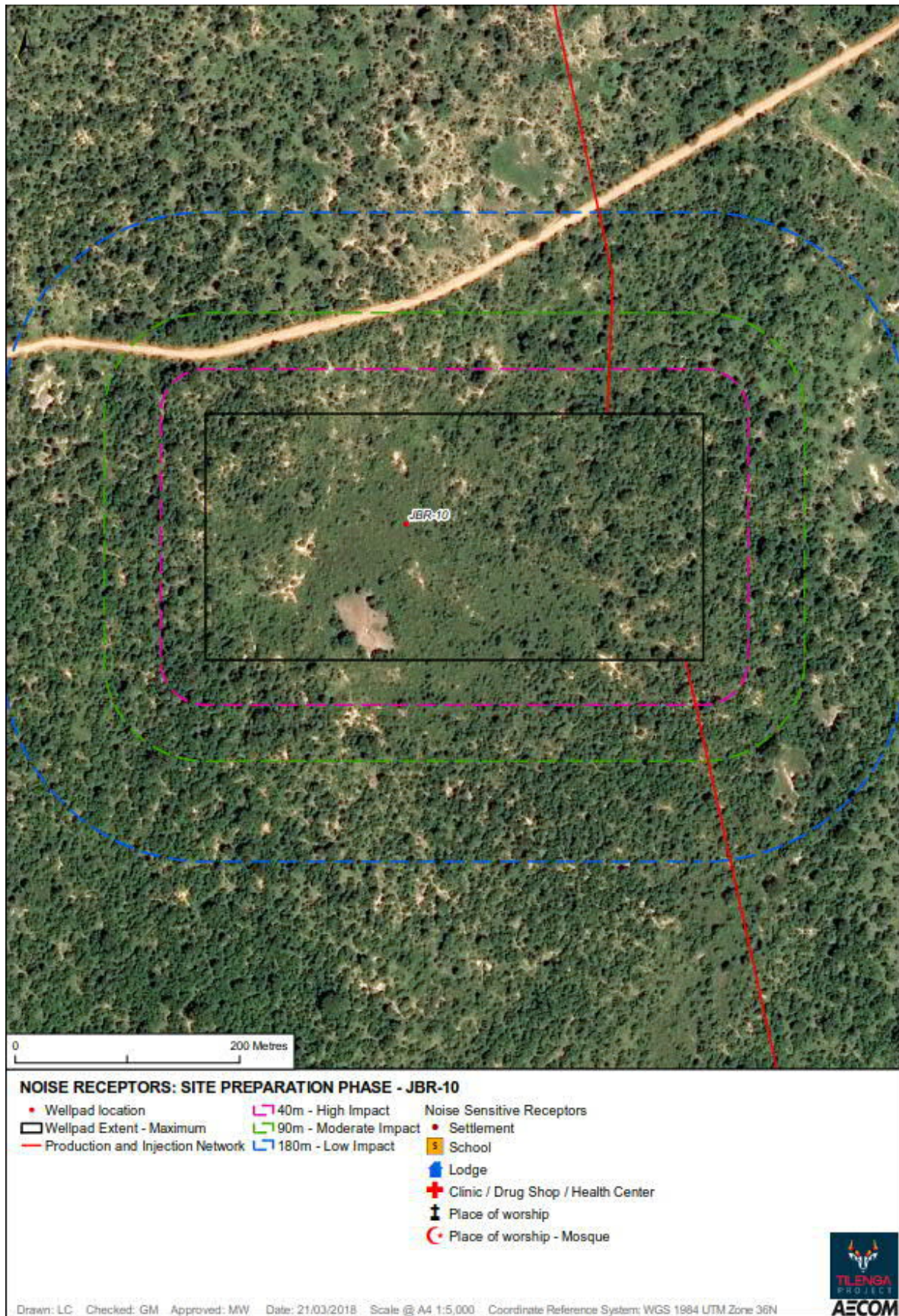




Figure I2-18: KGG-01 Site Preparation and Enabling Works Daytime Receptor Analysis

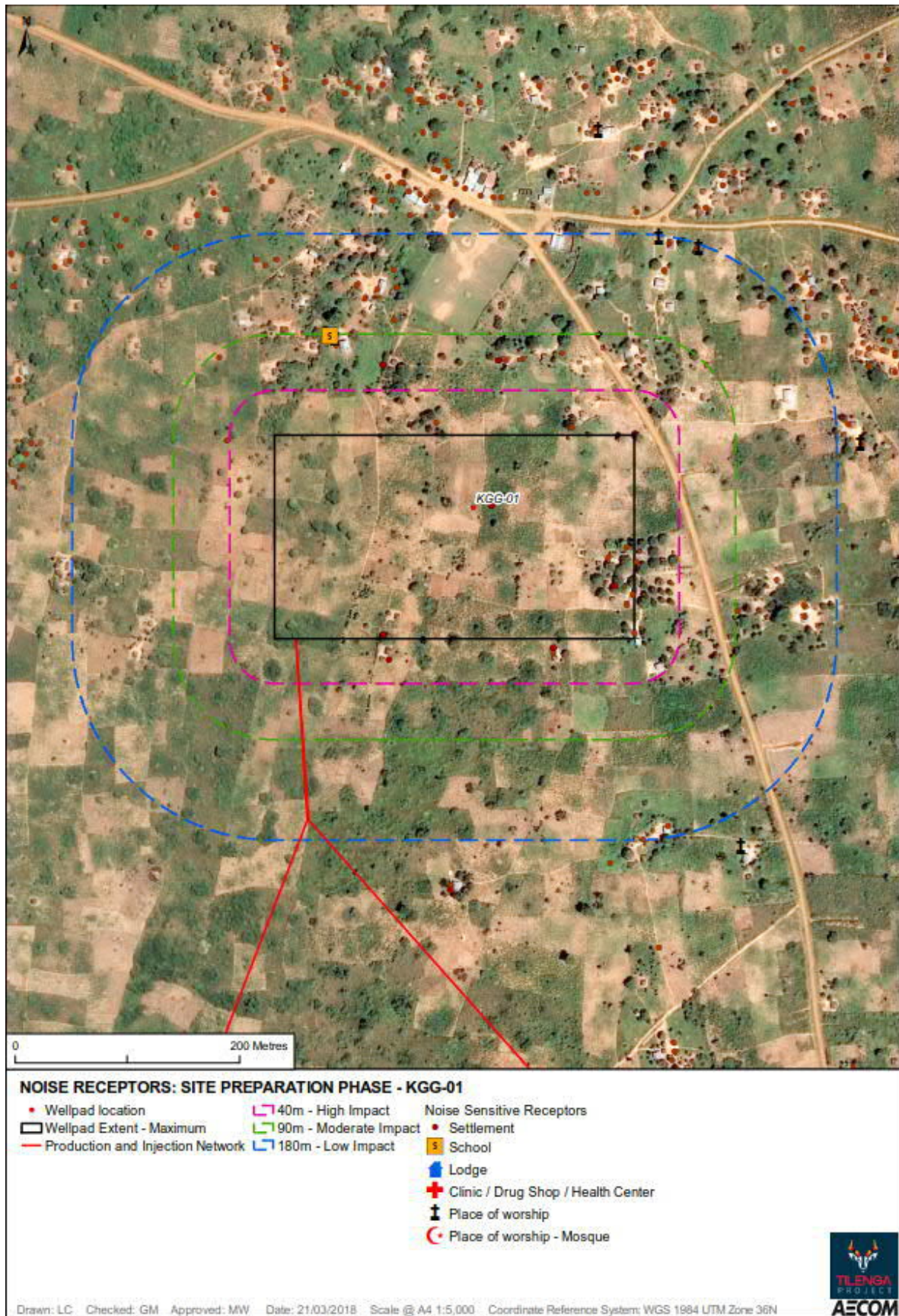




Figure I2-19: KGG-03 Site Preparation and Enabling Works Daytime Receptor Analysis

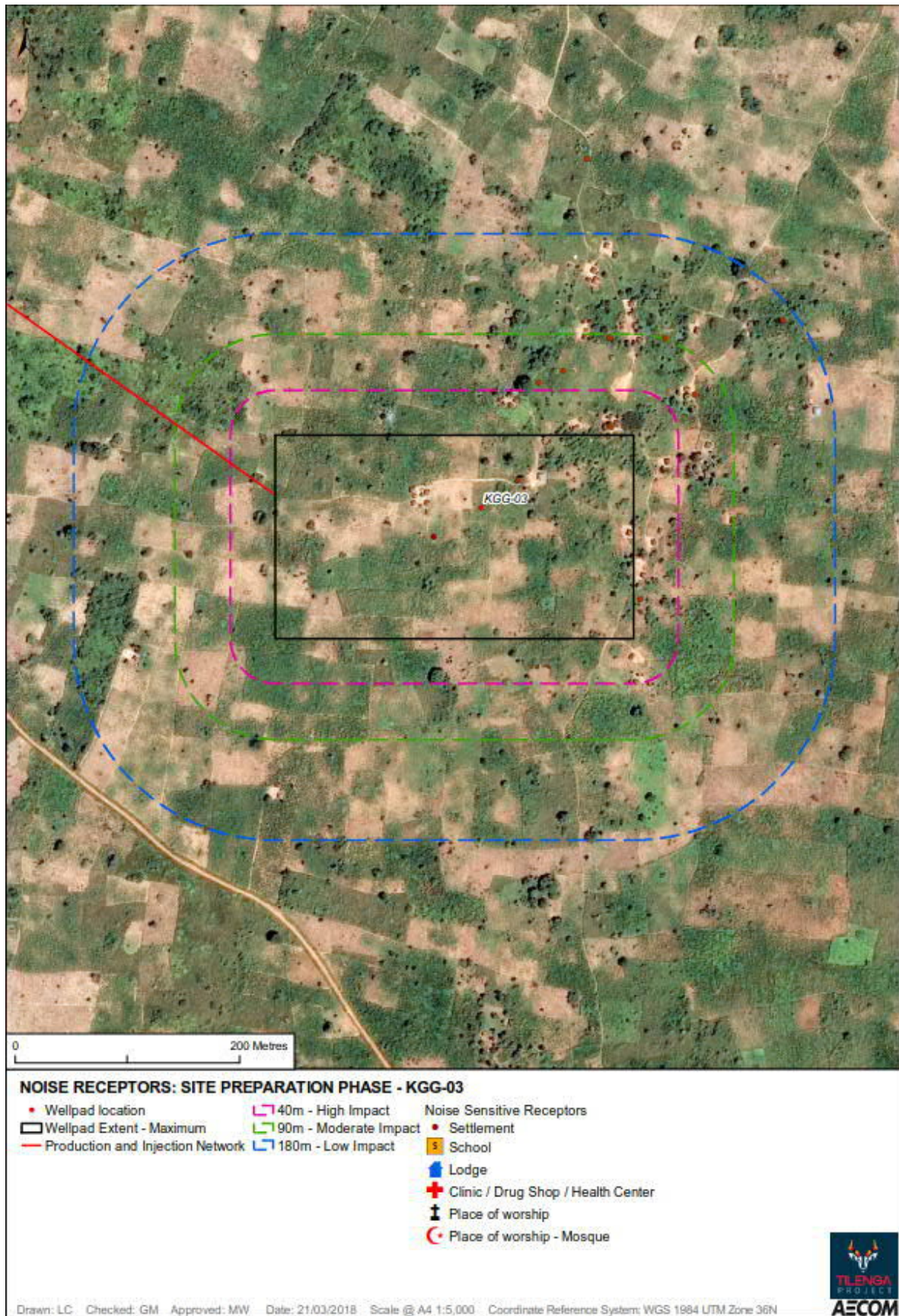




Figure I2-20: KGG-04 Site Preparation and Enabling Works Daytime Receptor Analysis

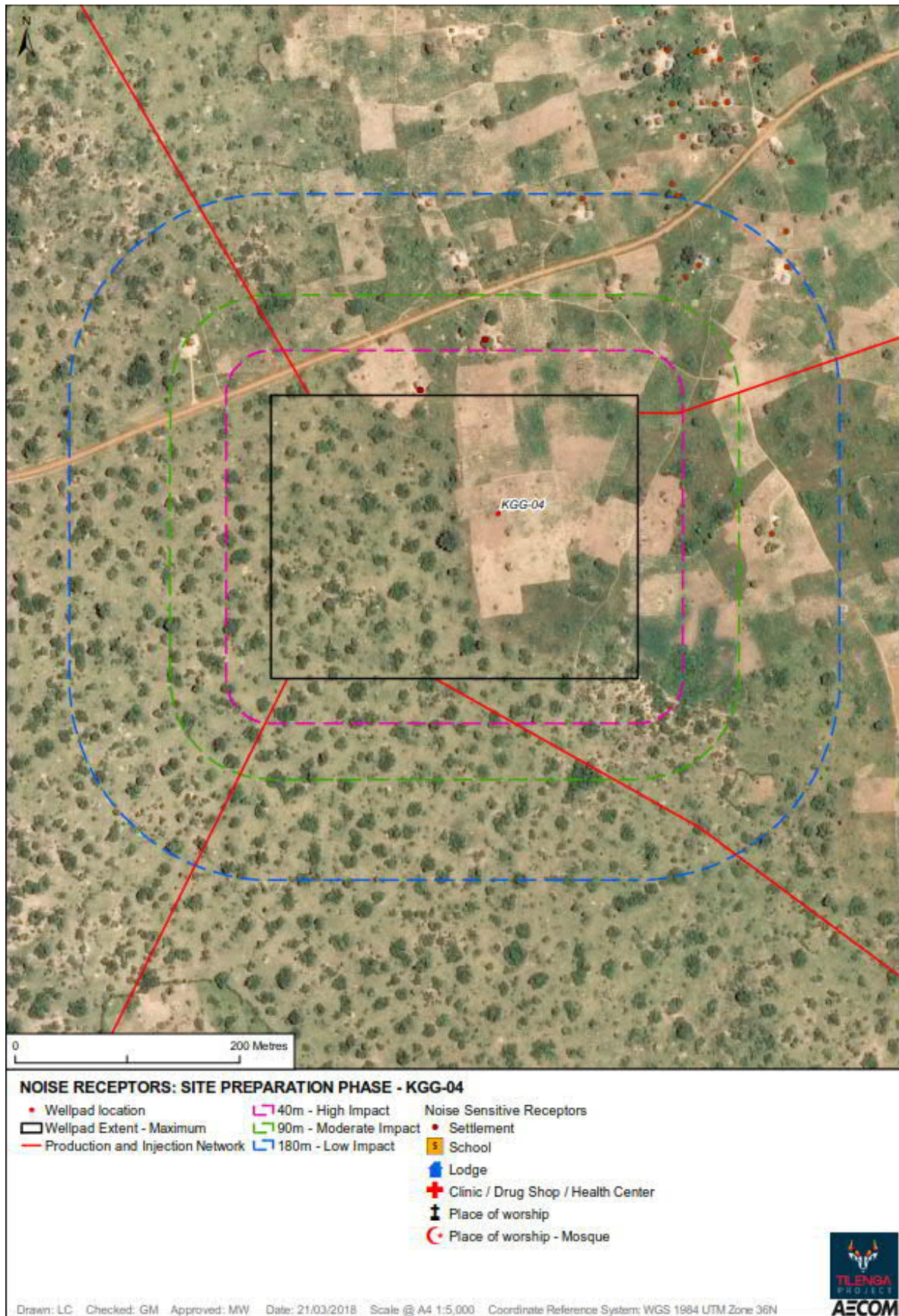




Figure I2-21: KGG-05 Site Preparation and Enabling Works Daytime Receptor Analysis

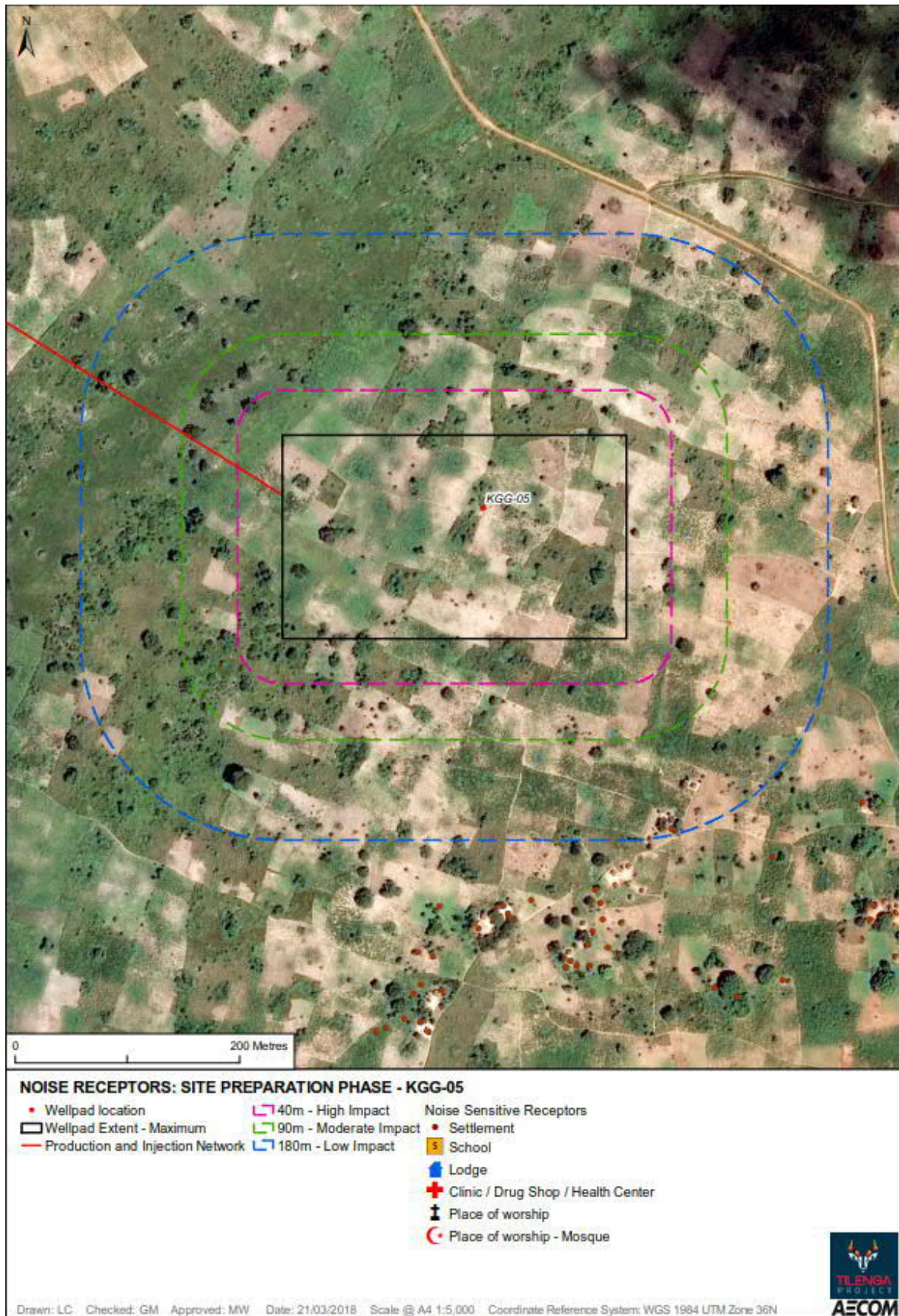




Figure I2-22: KGG-06 Site Preparation and Enabling Works Daytime Receptor Analysis

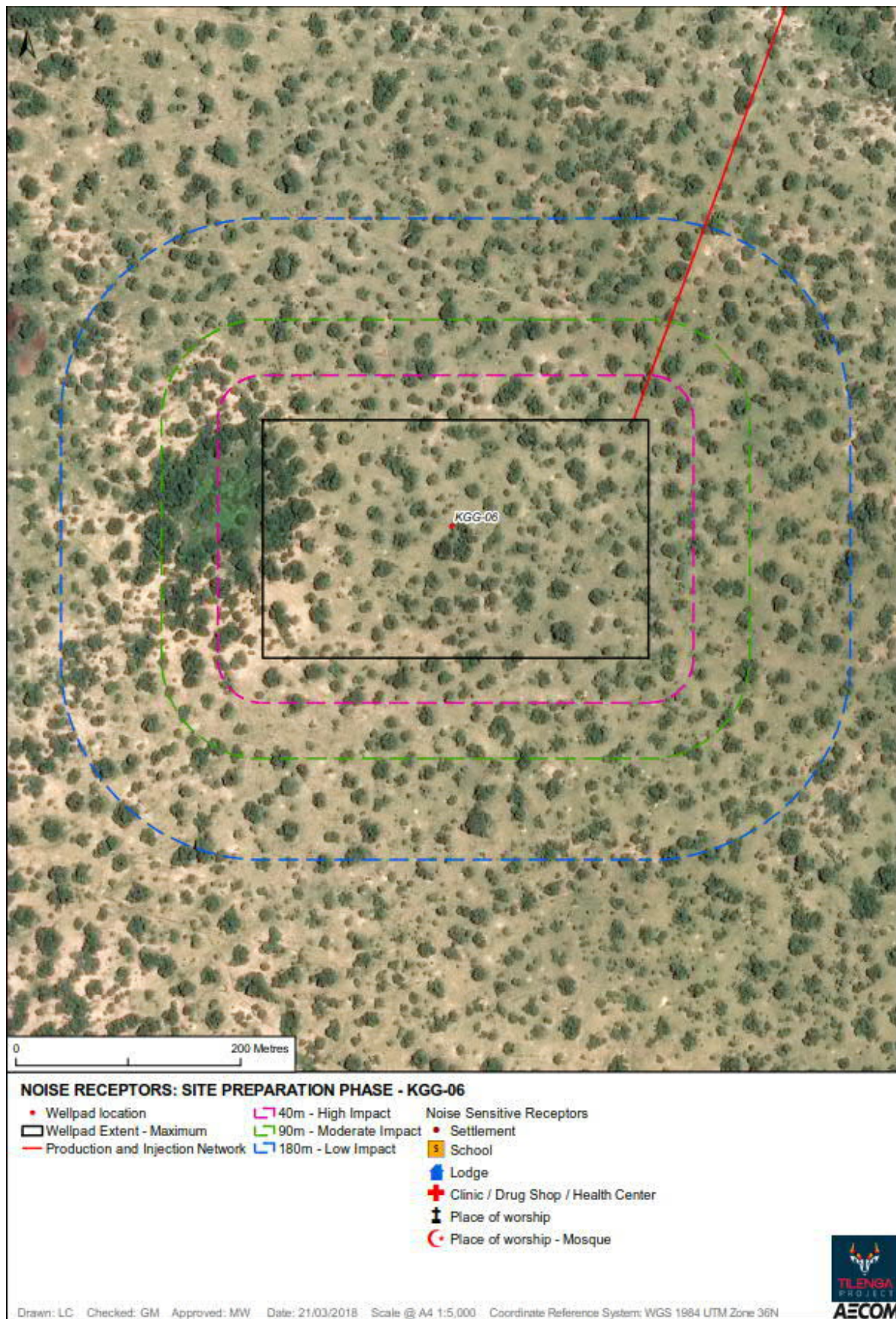




Figure I2-23: KGG-09 Site Preparation and Enabling Works Daytime Receptor Analysis

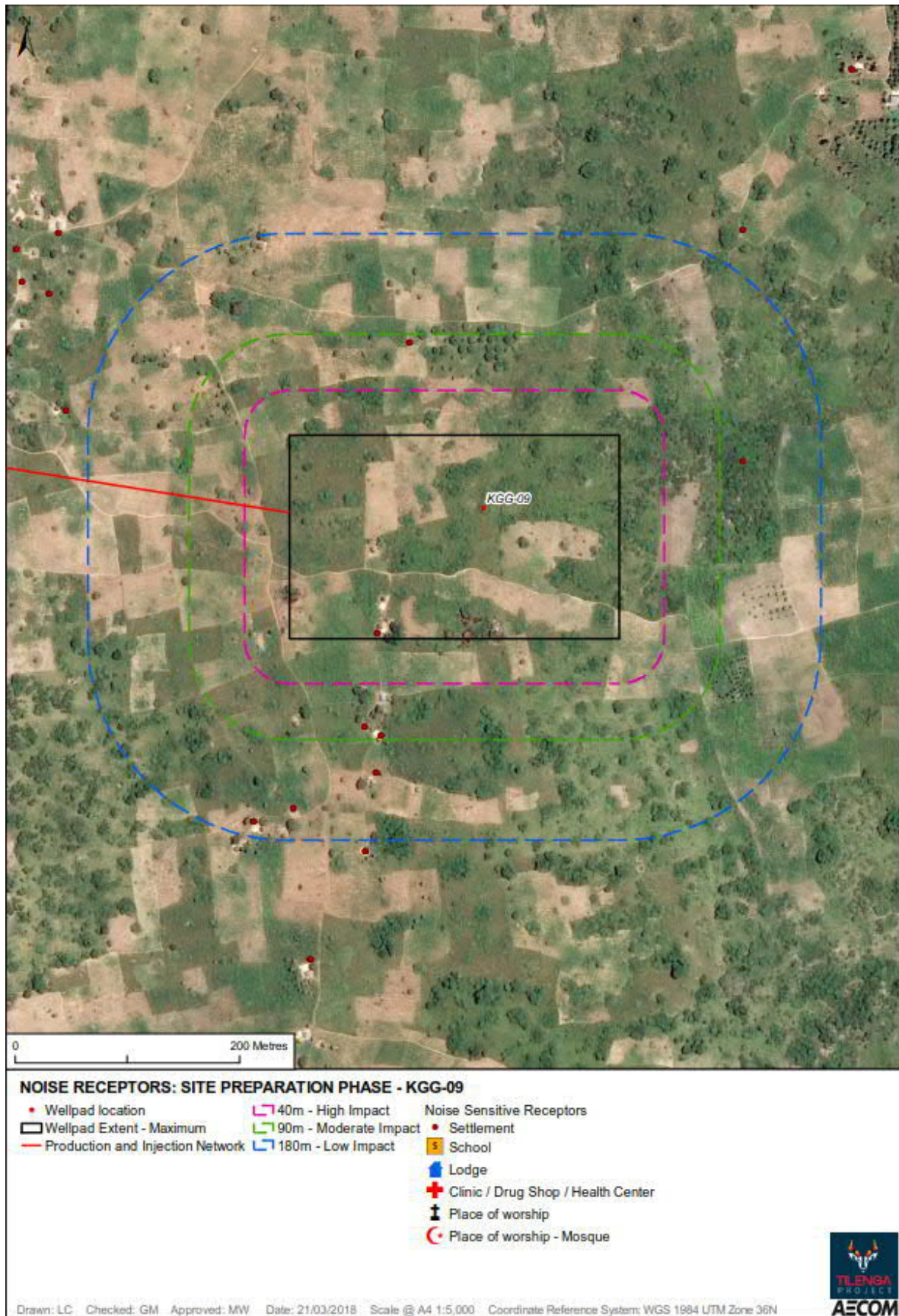
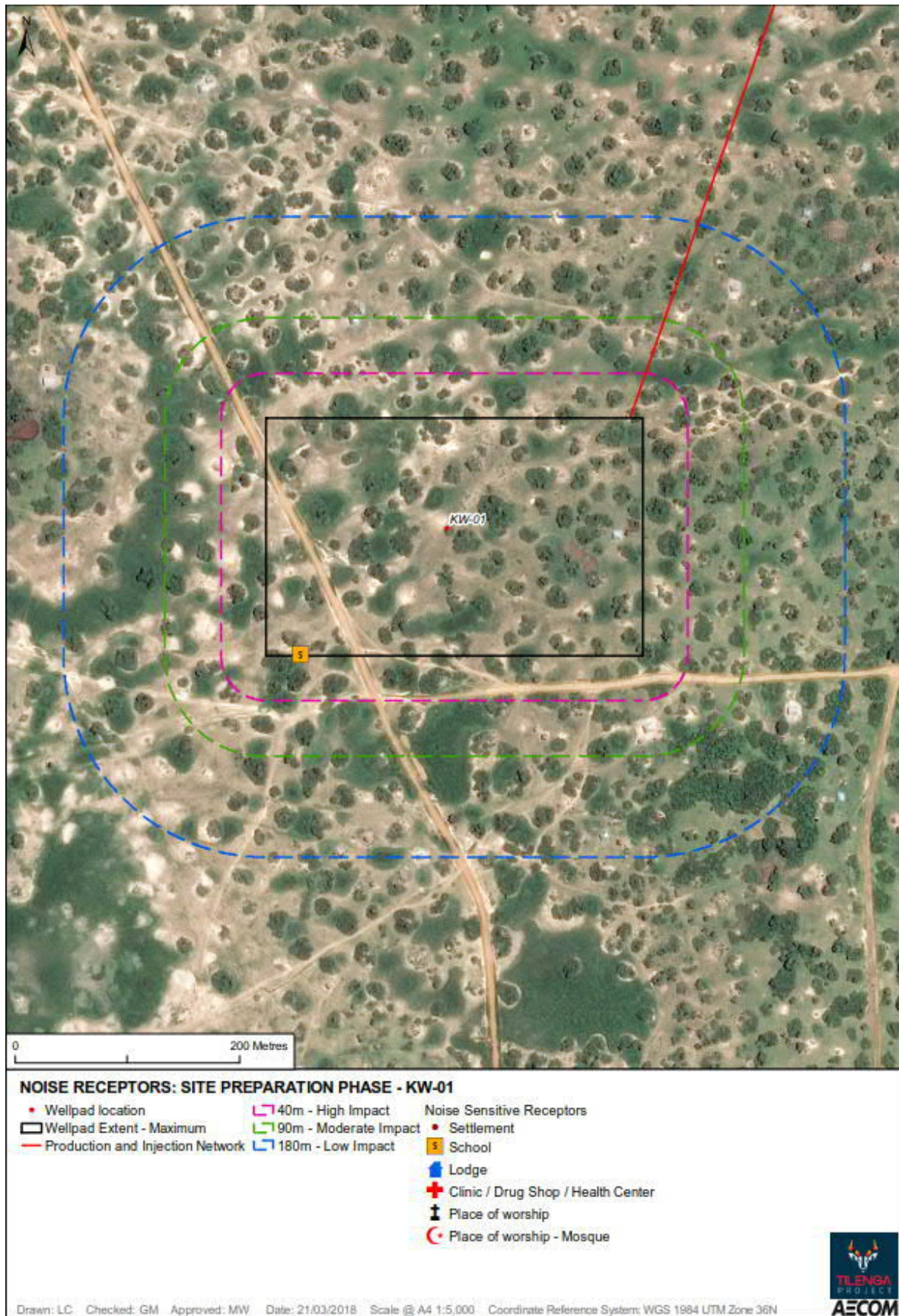


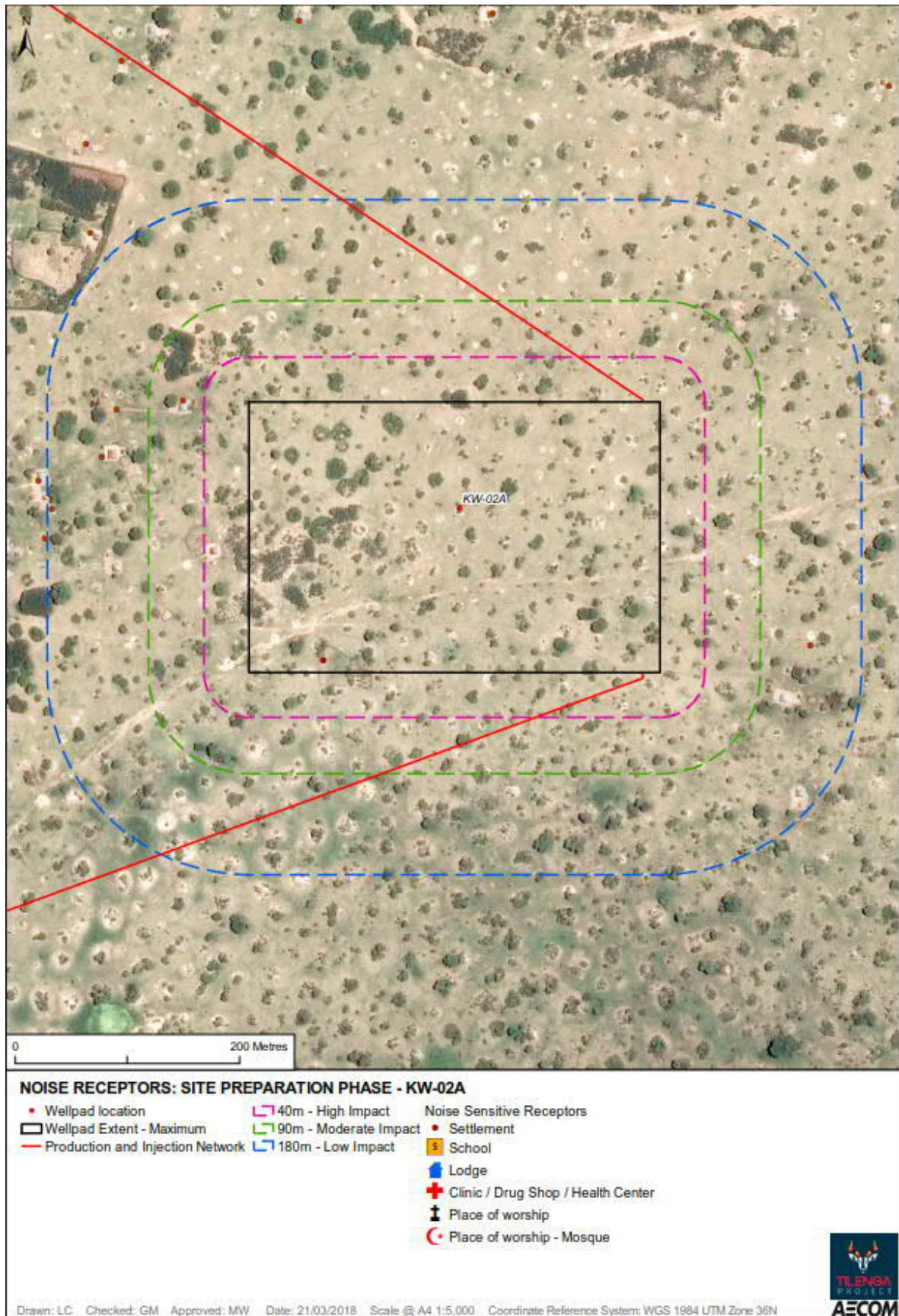


Figure I2-24: KW-01 Site Preparation and Enabling Works Daytime Receptor Analysis





**Figure I2-25: KW-02A Site Preparation and Enabling Works Daytime Receptor Analysis**





**Figure I2-26: KW-02B Site Preparation and Enabling Works Daytime Receptor Analysis**

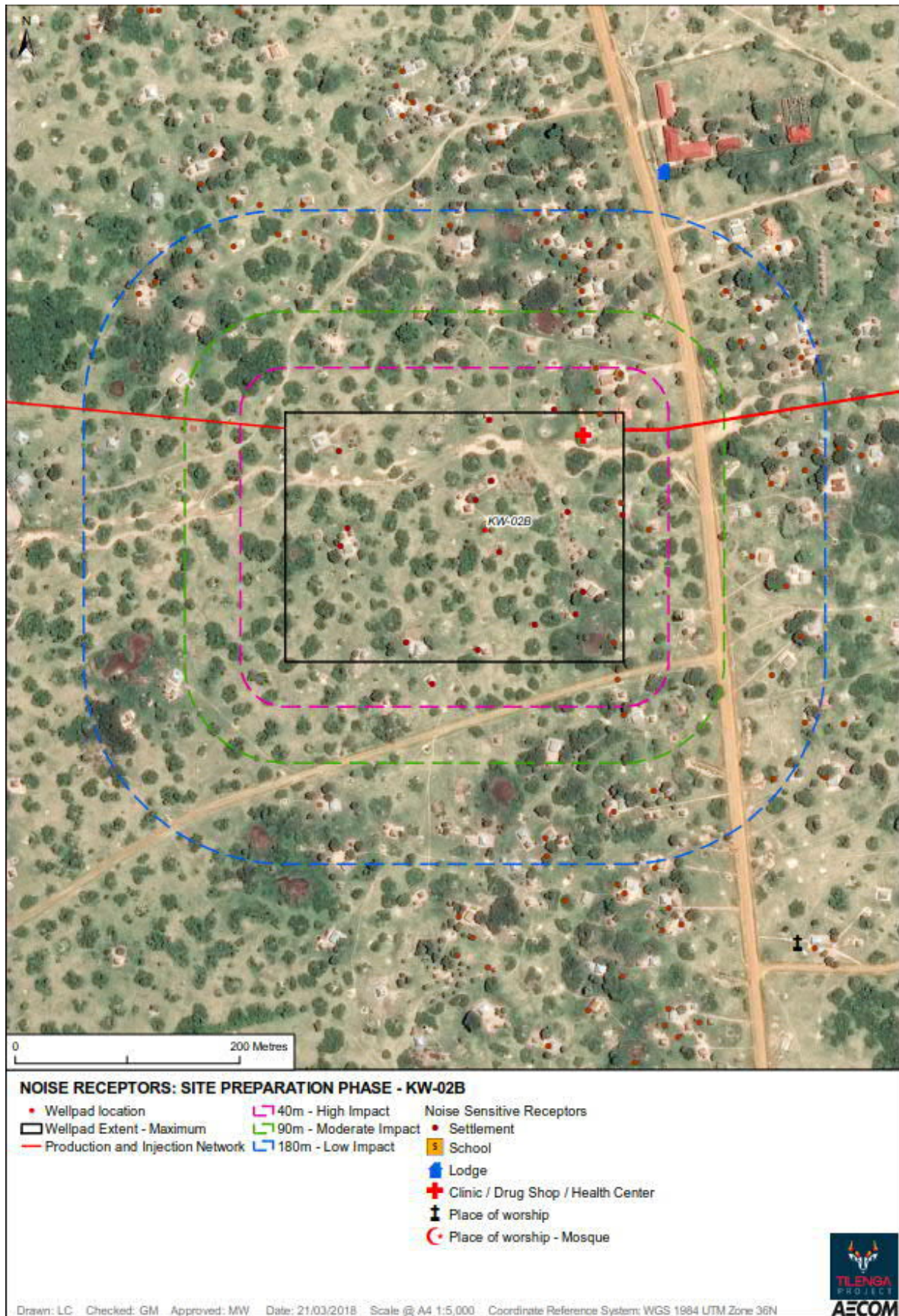




Figure I2-27: NGR-01 Site Preparation and Enabling Works Daytime Receptor Analysis

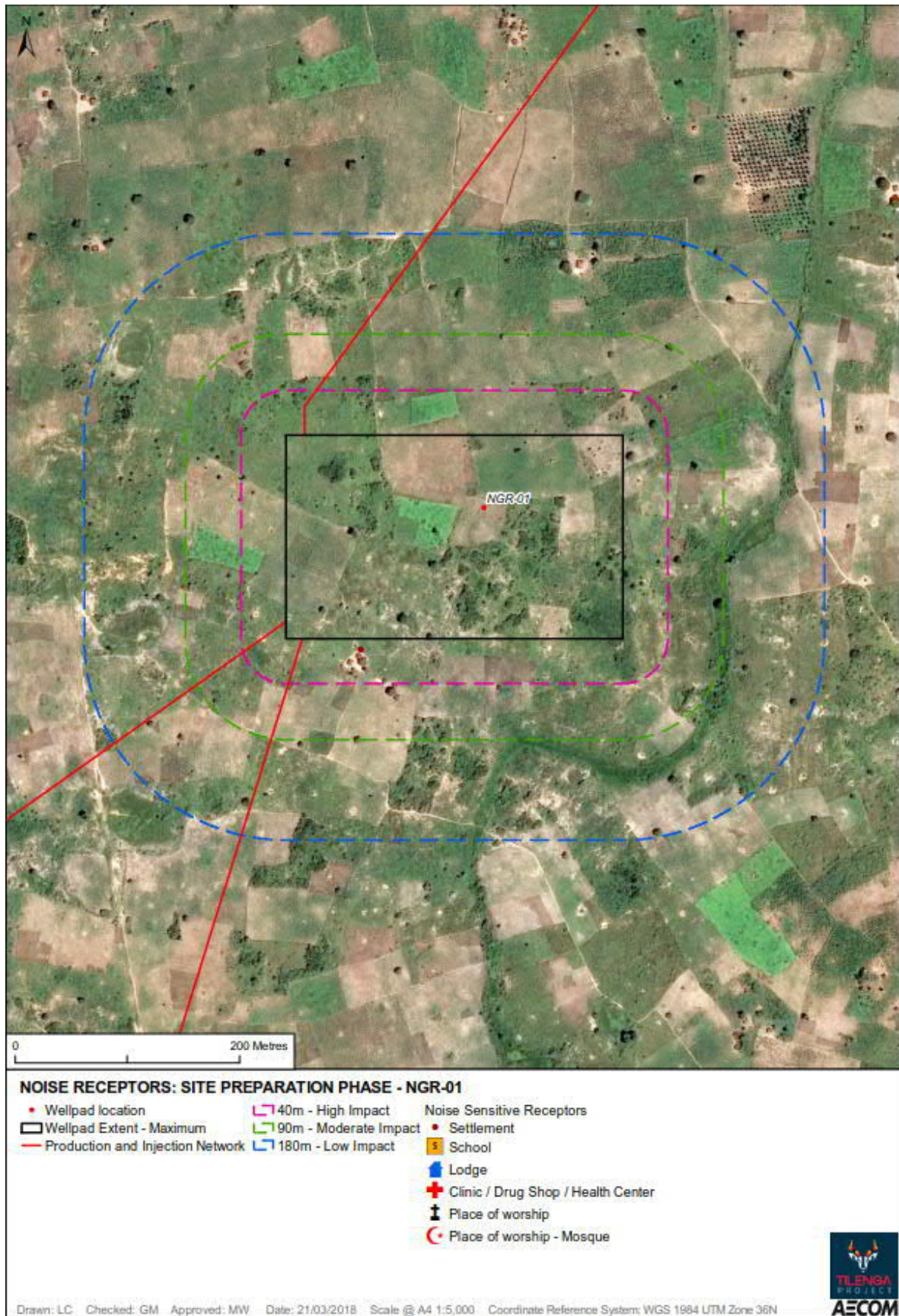


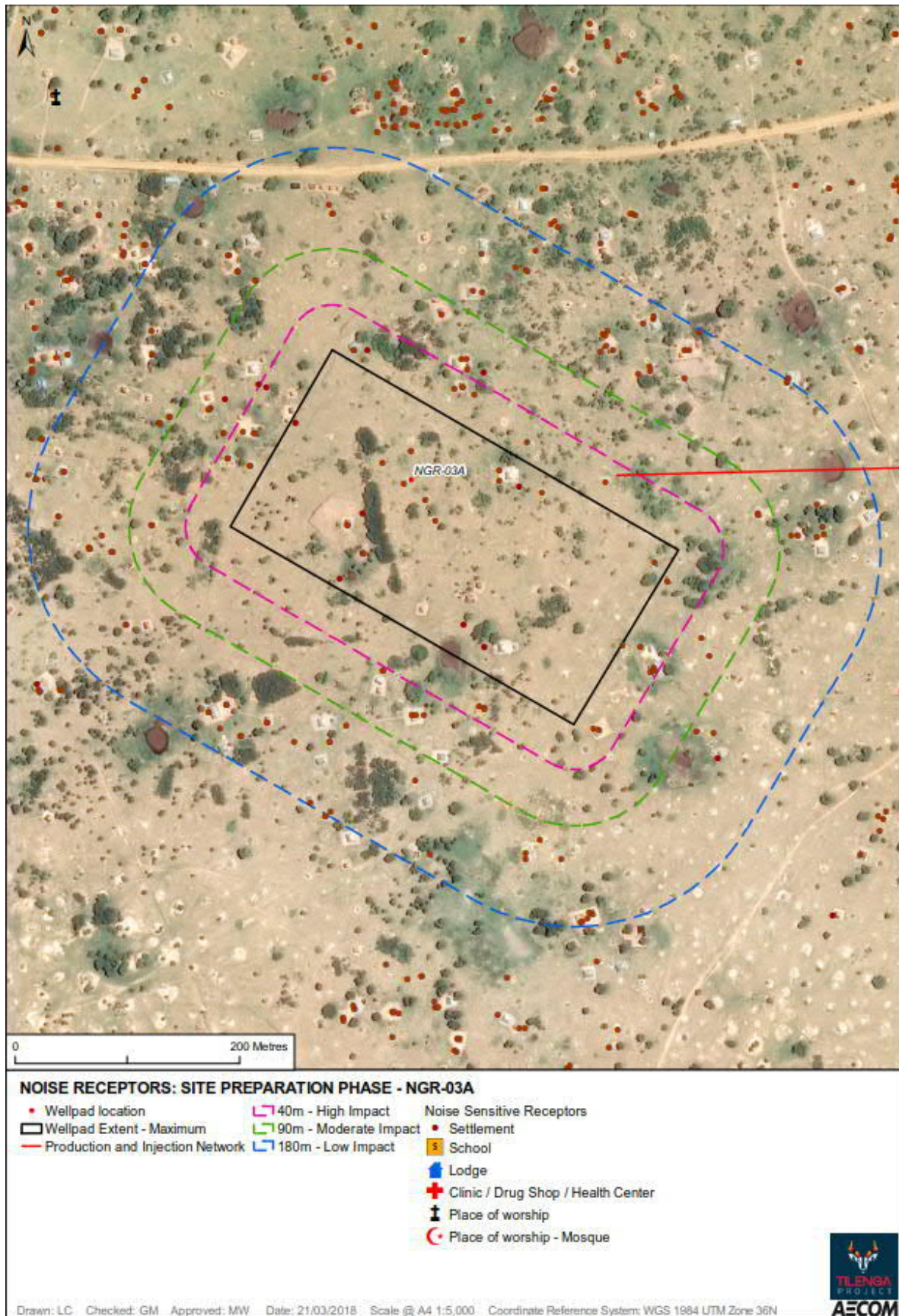


Figure I2-28: NGR-02 Site Preparation and Enabling Works Daytime Receptor Analysis





**Figure I2-29: NGR-03A Site Preparation and Enabling Works Daytime Receptor Analysis**





**Figure I2-30: NGR-05A Site Preparation and Enabling Works Daytime Receptor Analysis**

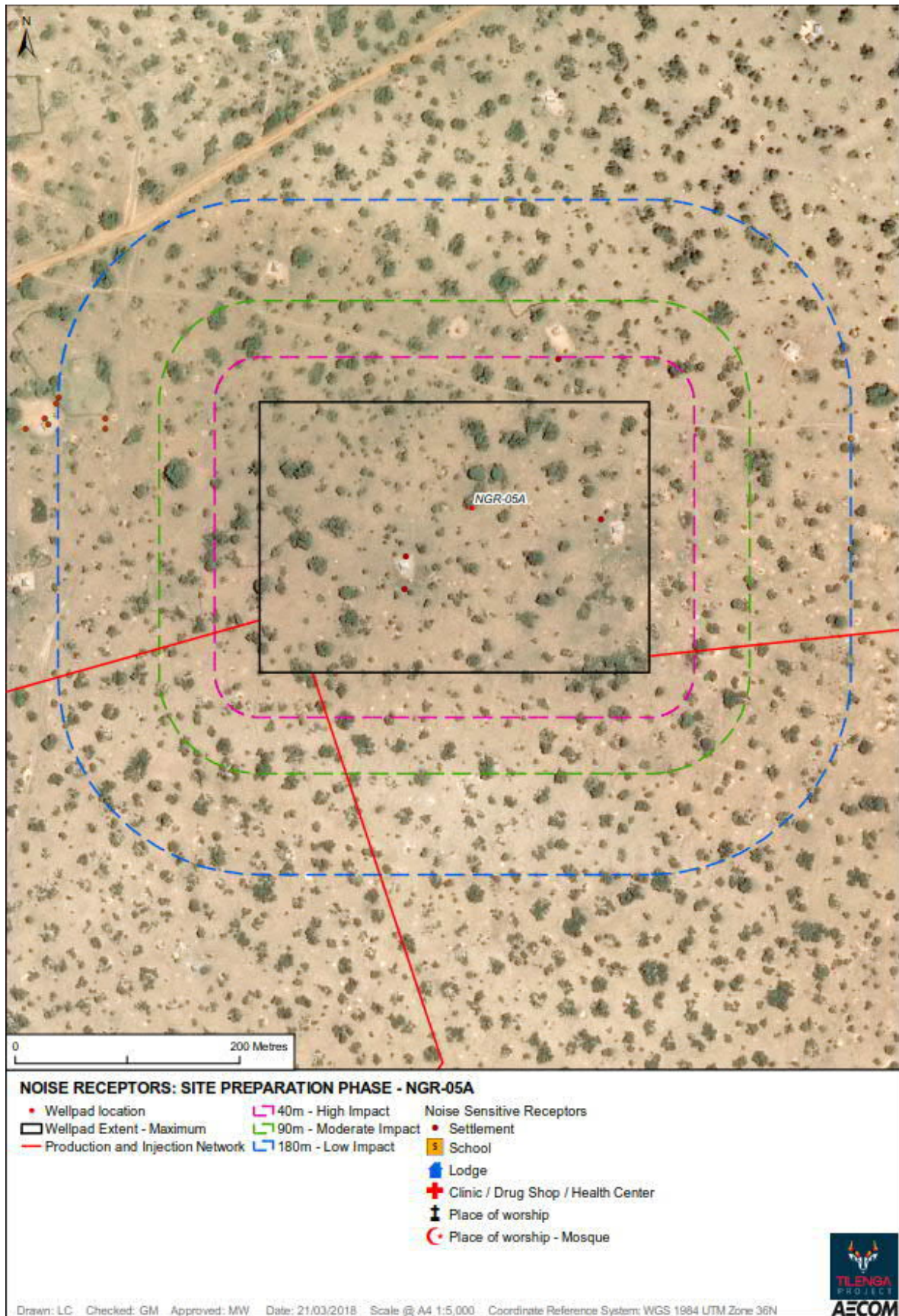




Figure I2-31: NGR-06 Site Preparation and Enabling Works Daytime Receptor Analysis

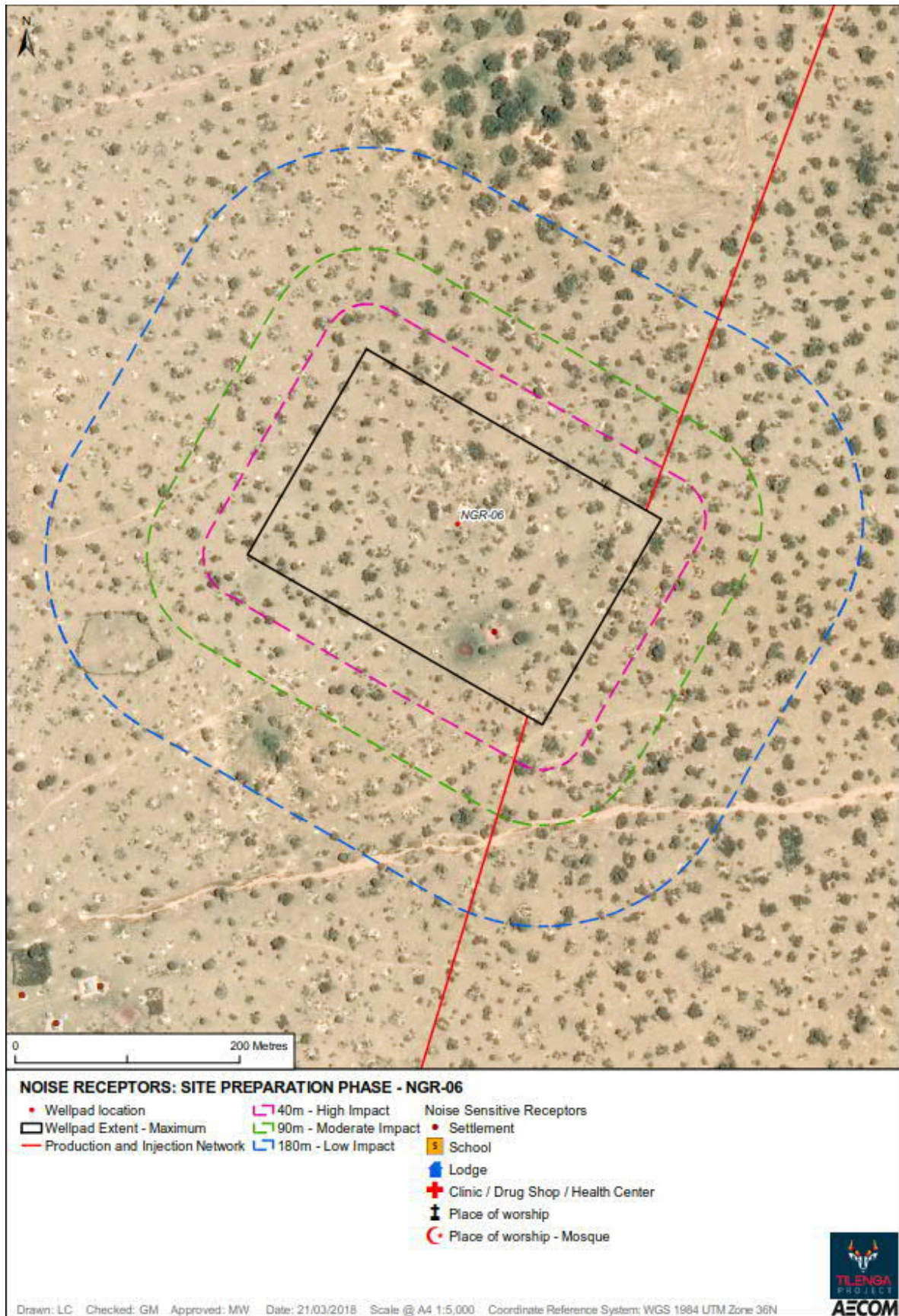




Figure I2-32: NSO-01 Site Preparation and Enabling Works Daytime Receptor Analysis

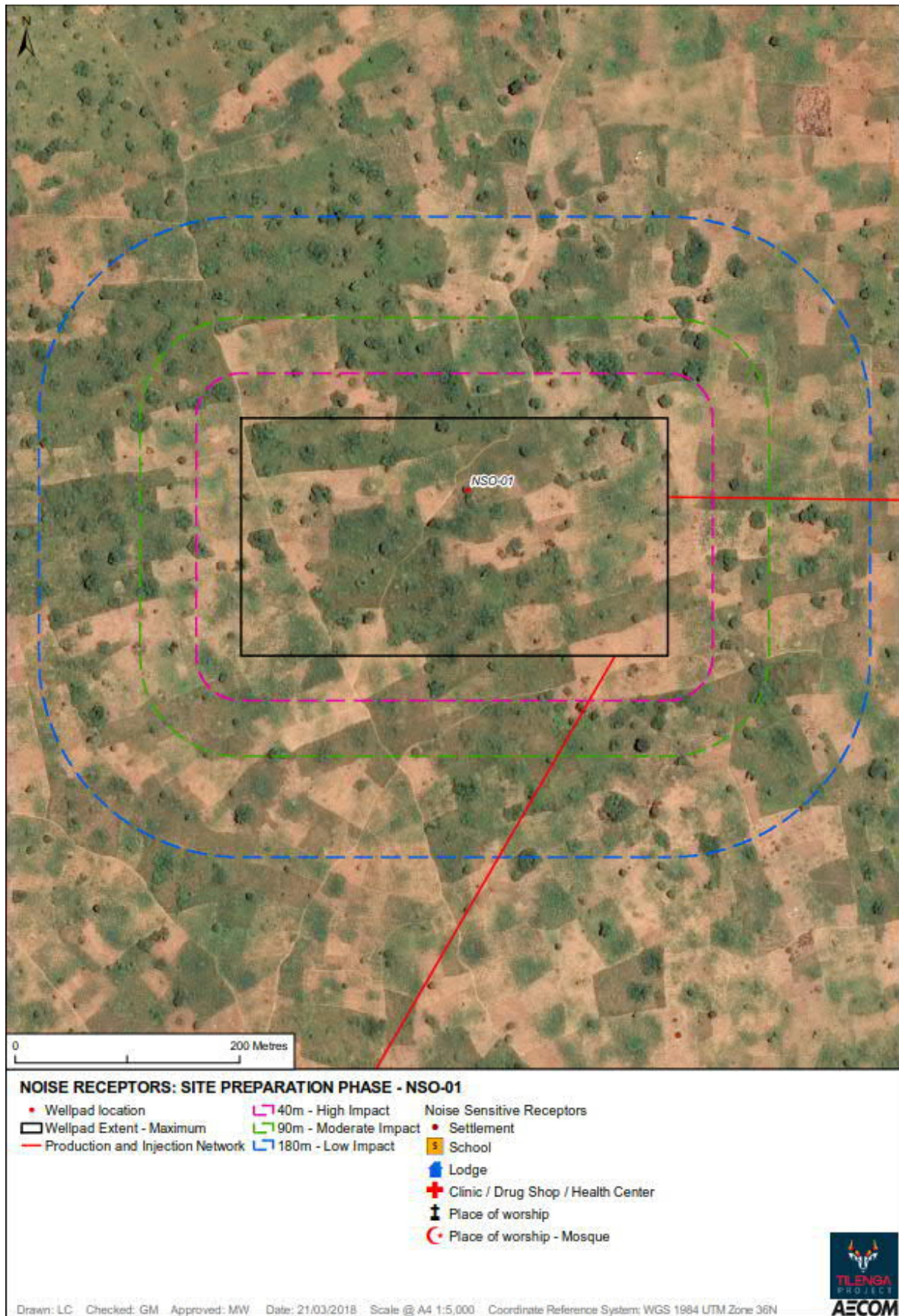




Figure I2-33: NSO-02 Site Preparation and Enabling Works Daytime Receptor Analysis

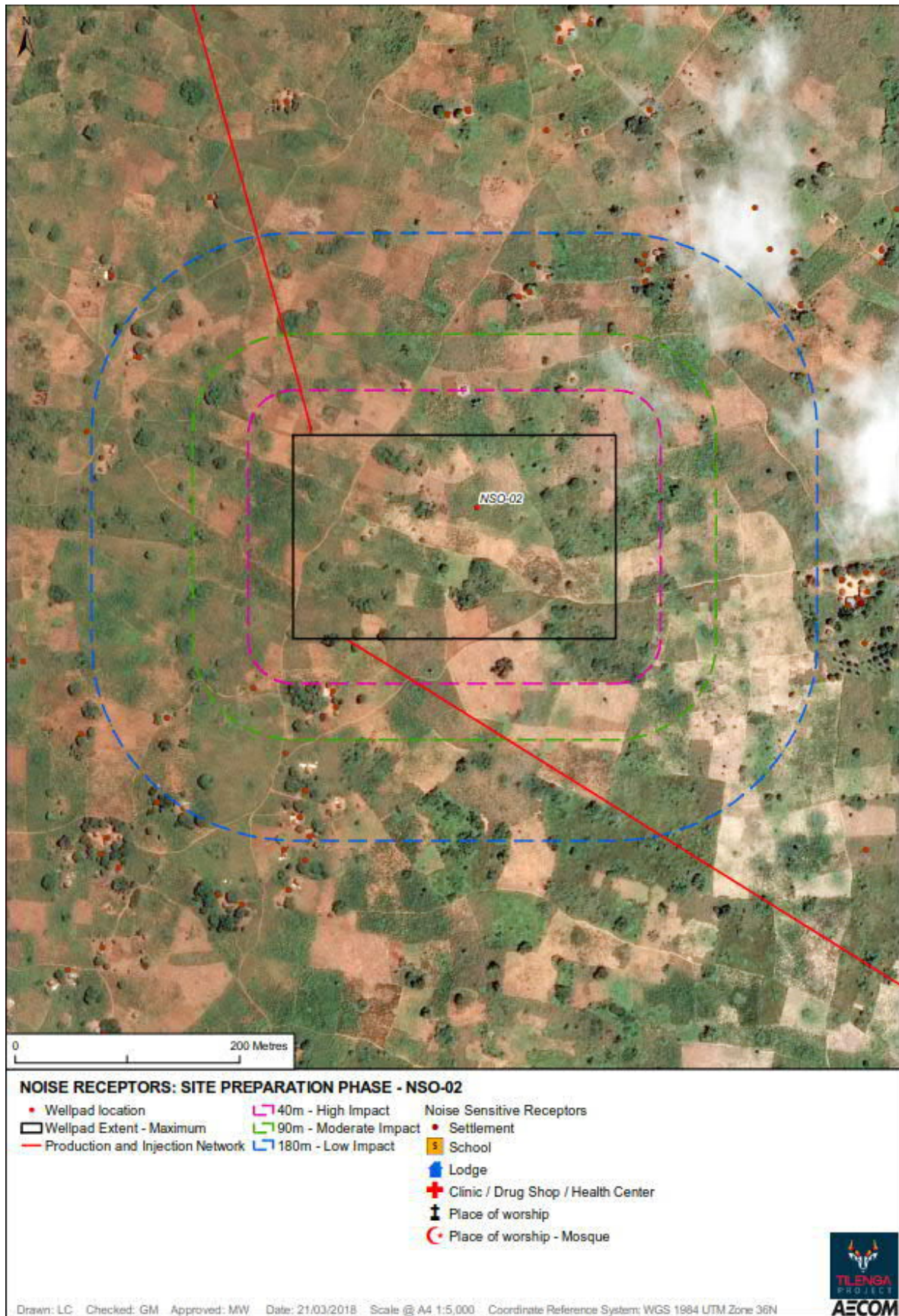




Figure I2-34: NSO-03 Site Preparation and Enabling Works Daytime Receptor Analysis

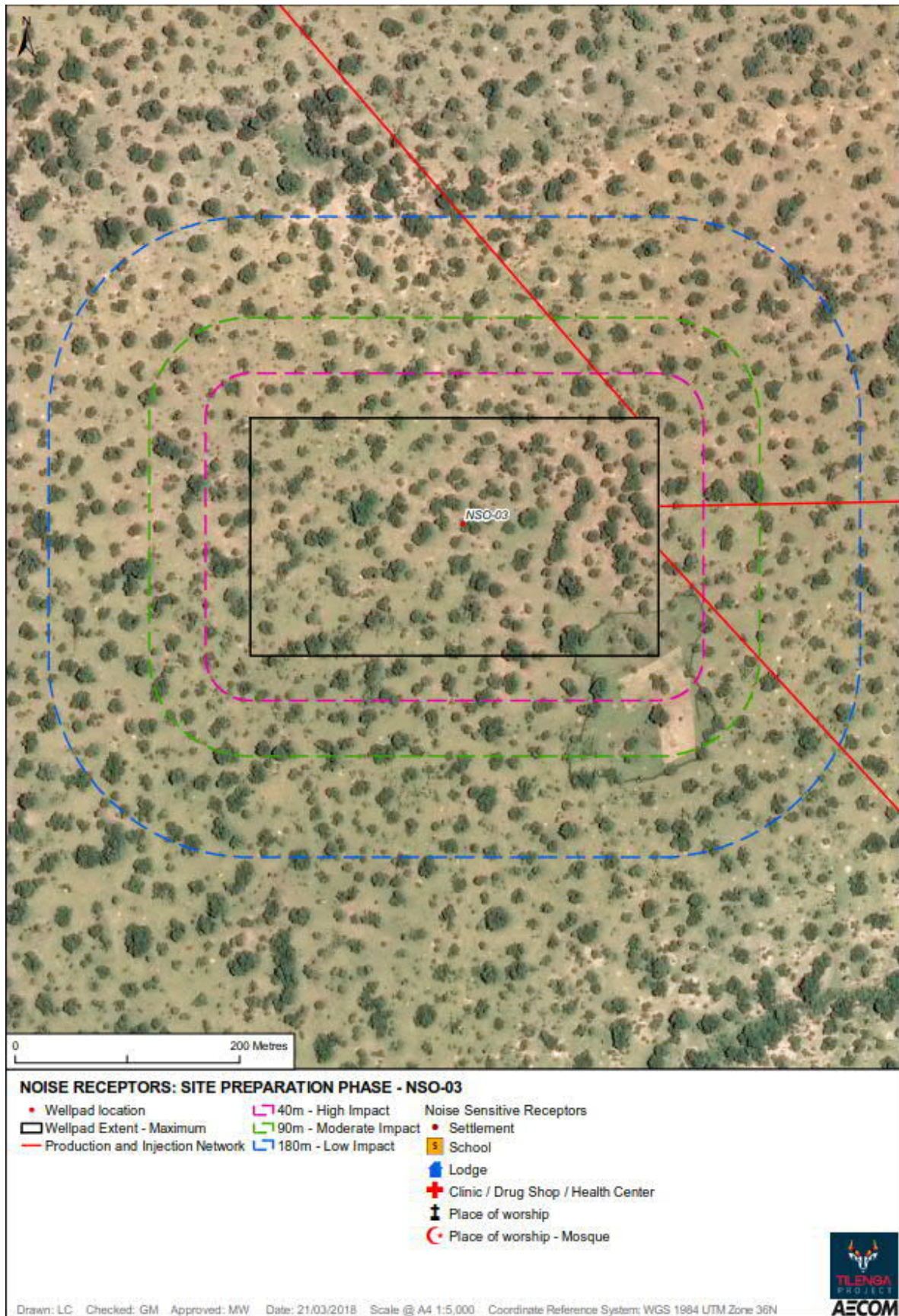




Figure I2-35: NSO-04 Site Preparation and Enabling Works Daytime Receptor Analysis

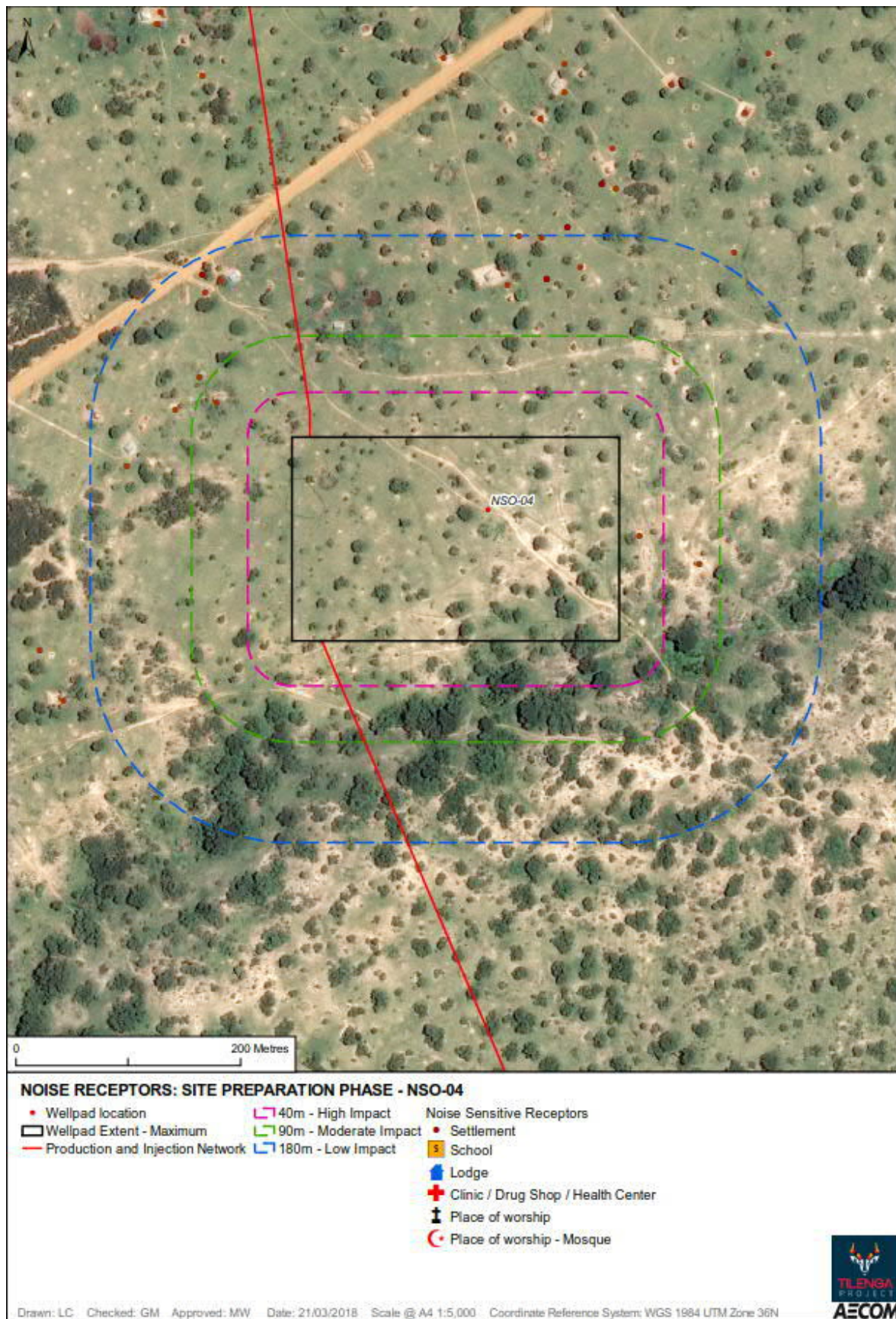




Figure I2-36: NSO-05 Site Preparation and Enabling Works Daytime Receptor Analysis

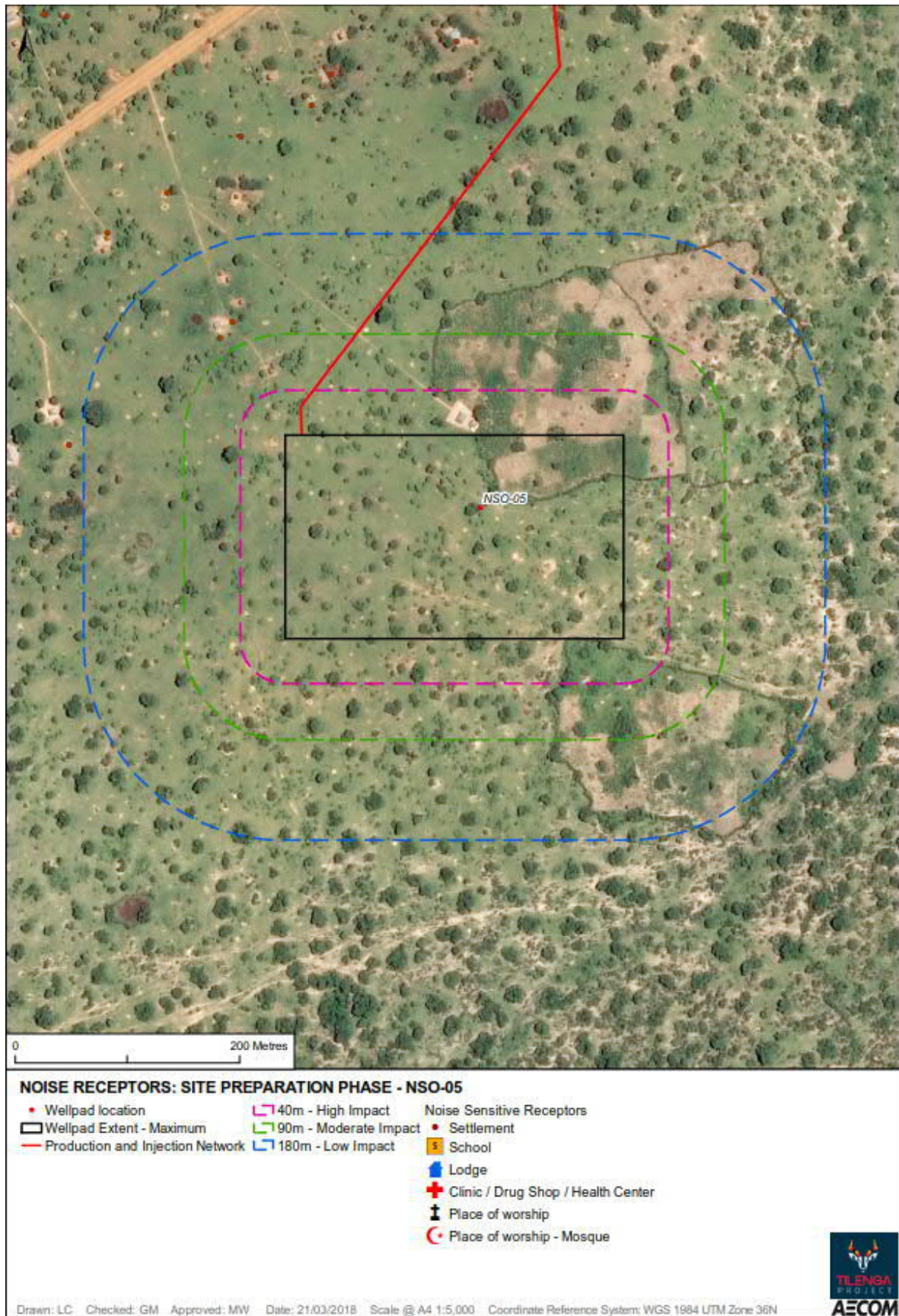
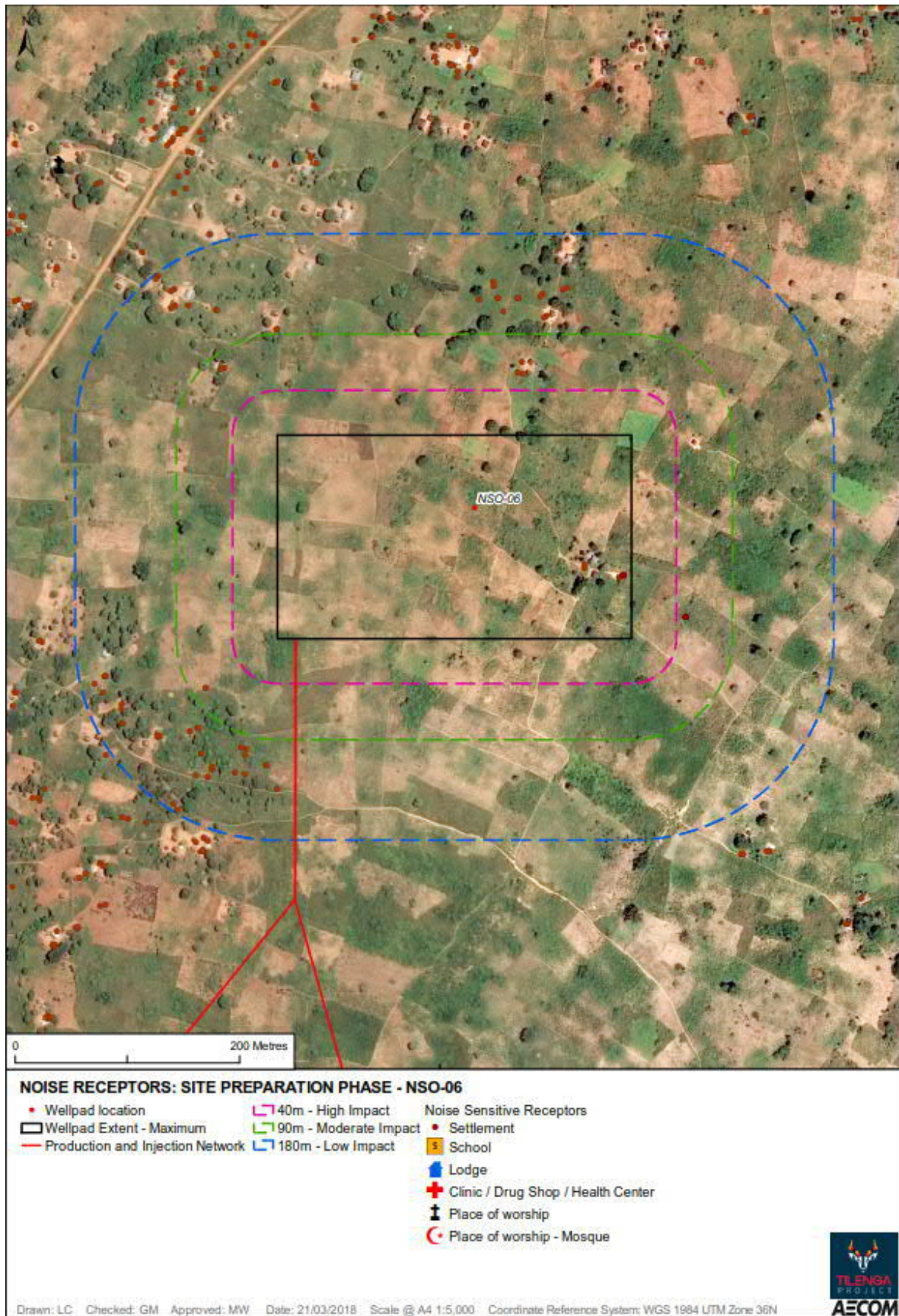


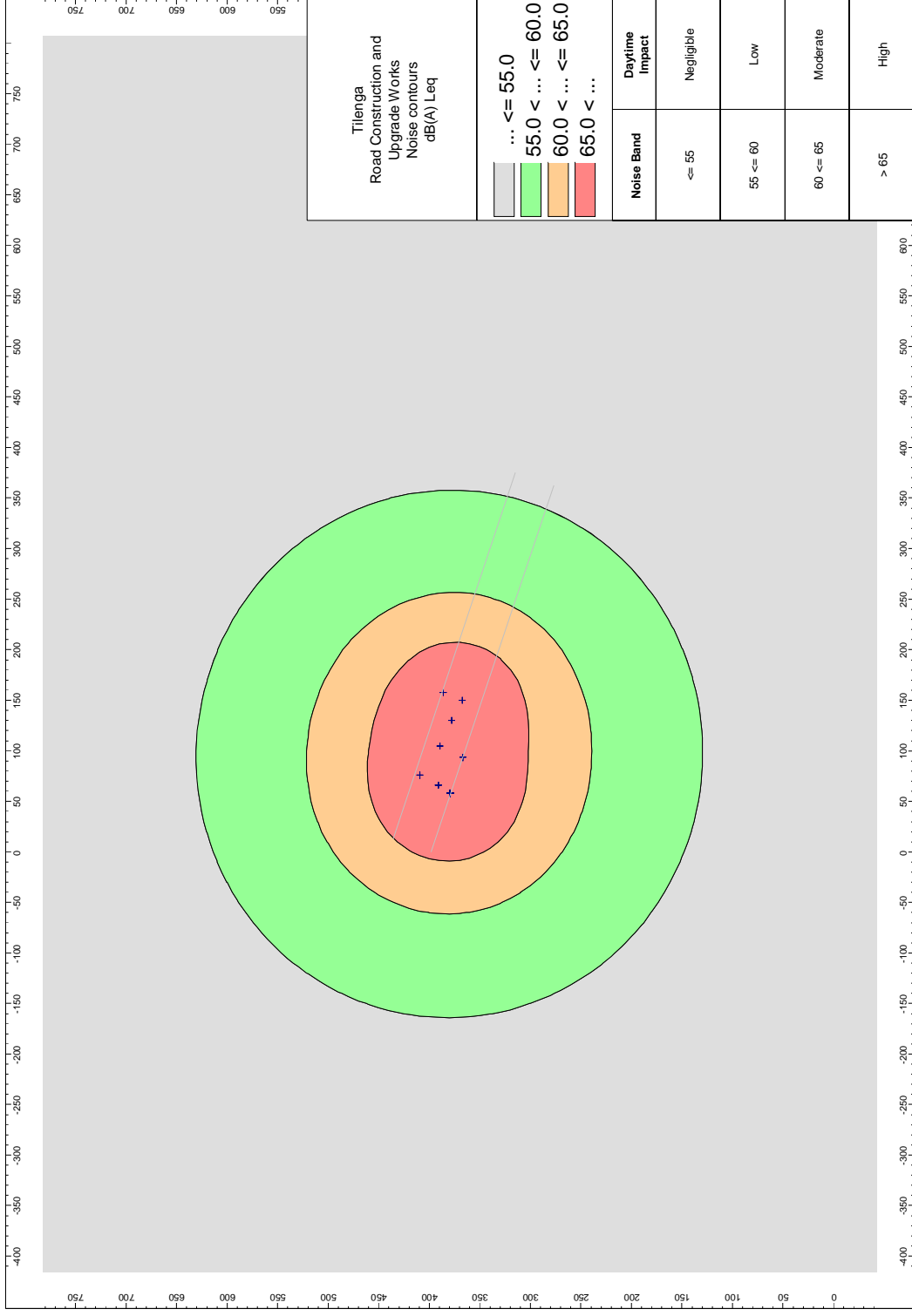


Figure I2-37: NSO-06 Site Preparation and Enabling Works Daytime Receptor Analysis





**Figure I2-38: Road Construction Daytime Noise Contours**



The assessment of noise due to road construction/ upgrade works is presented in Section 7.6.3.2.7



Figure I2-39: Road Construction Receptor Analysis – Road A1

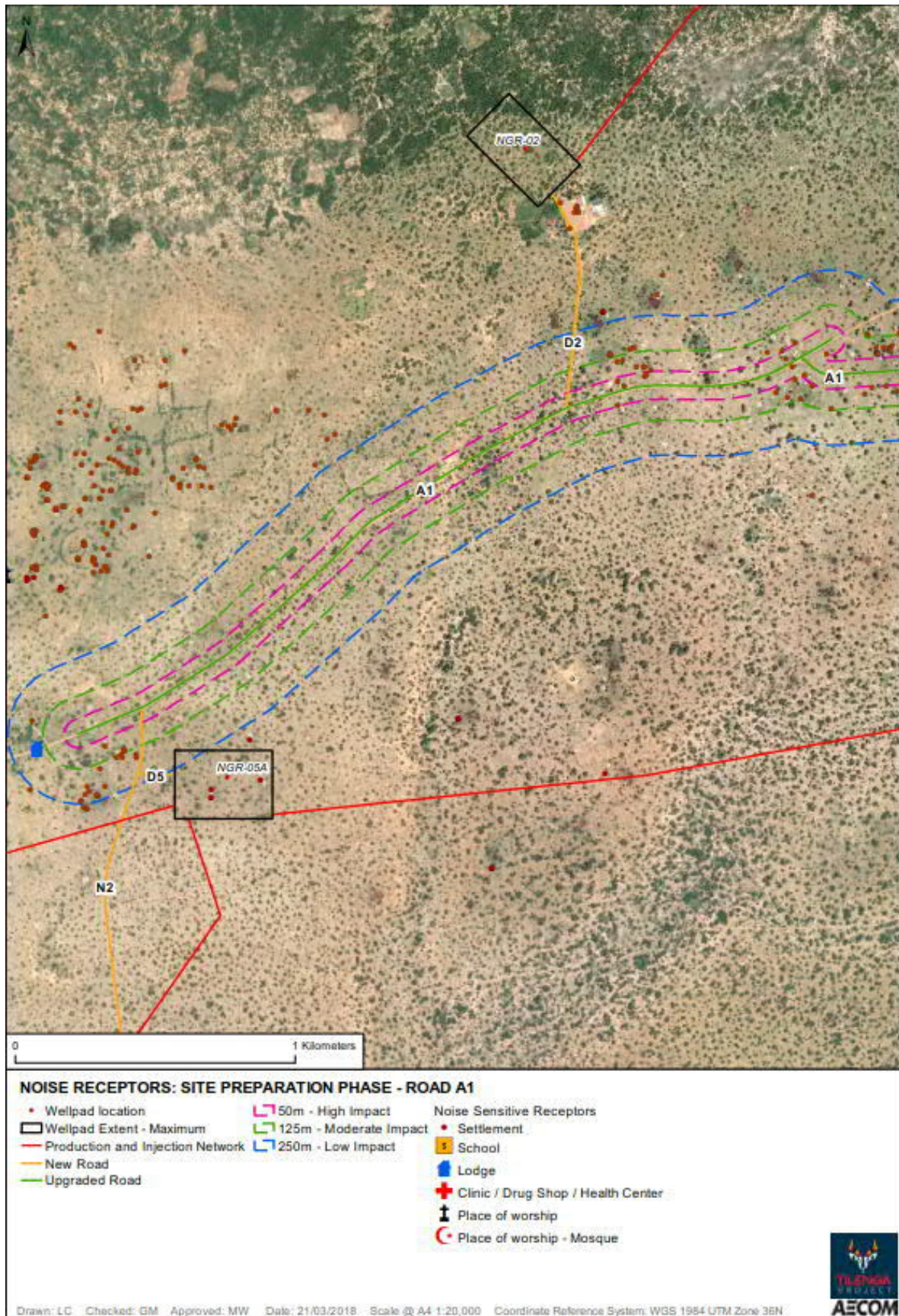




Figure I2-40: Road Construction Receptor Analysis – Road A1

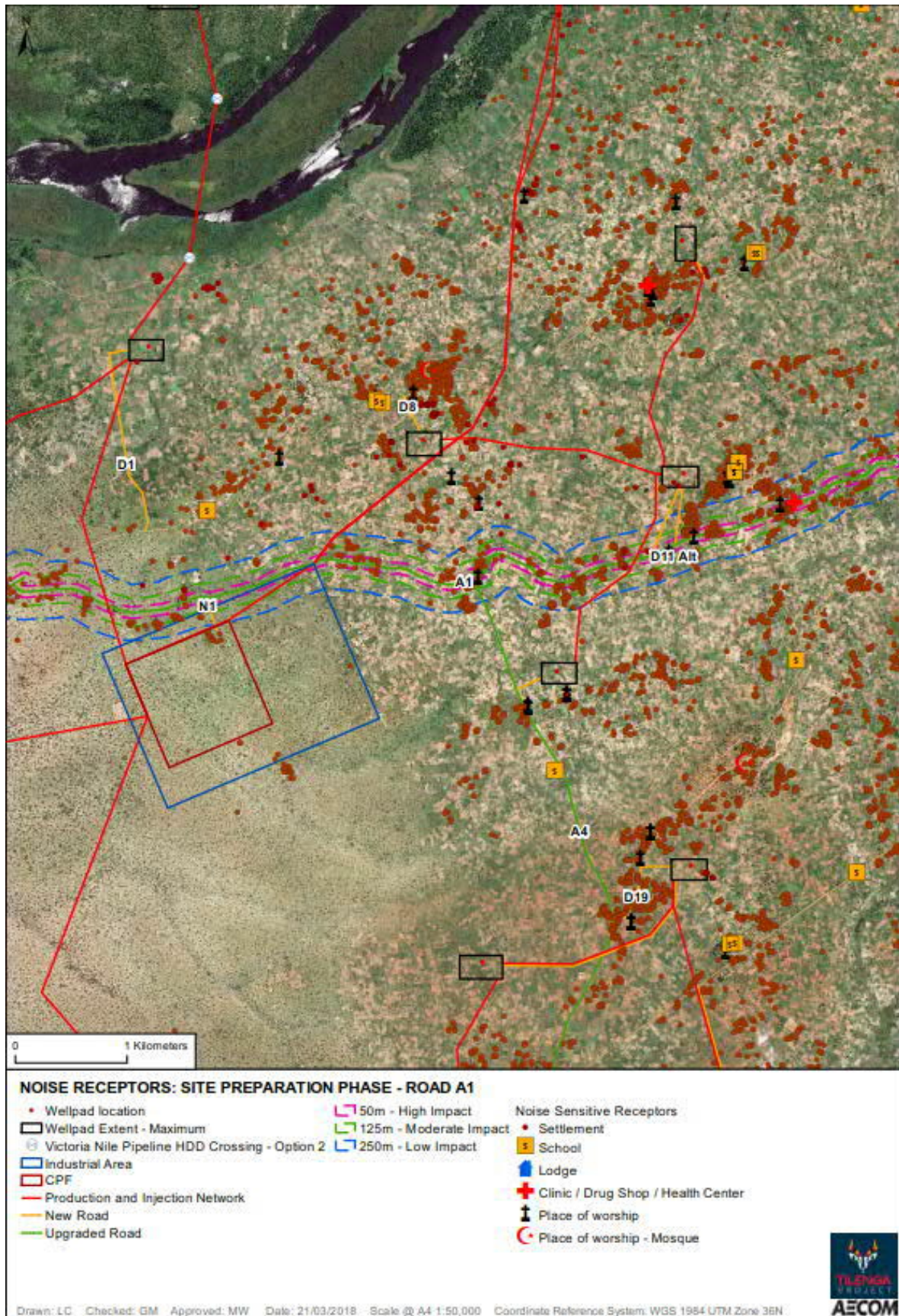




Figure I2-41: Road Construction Receptor Analysis – Road A2

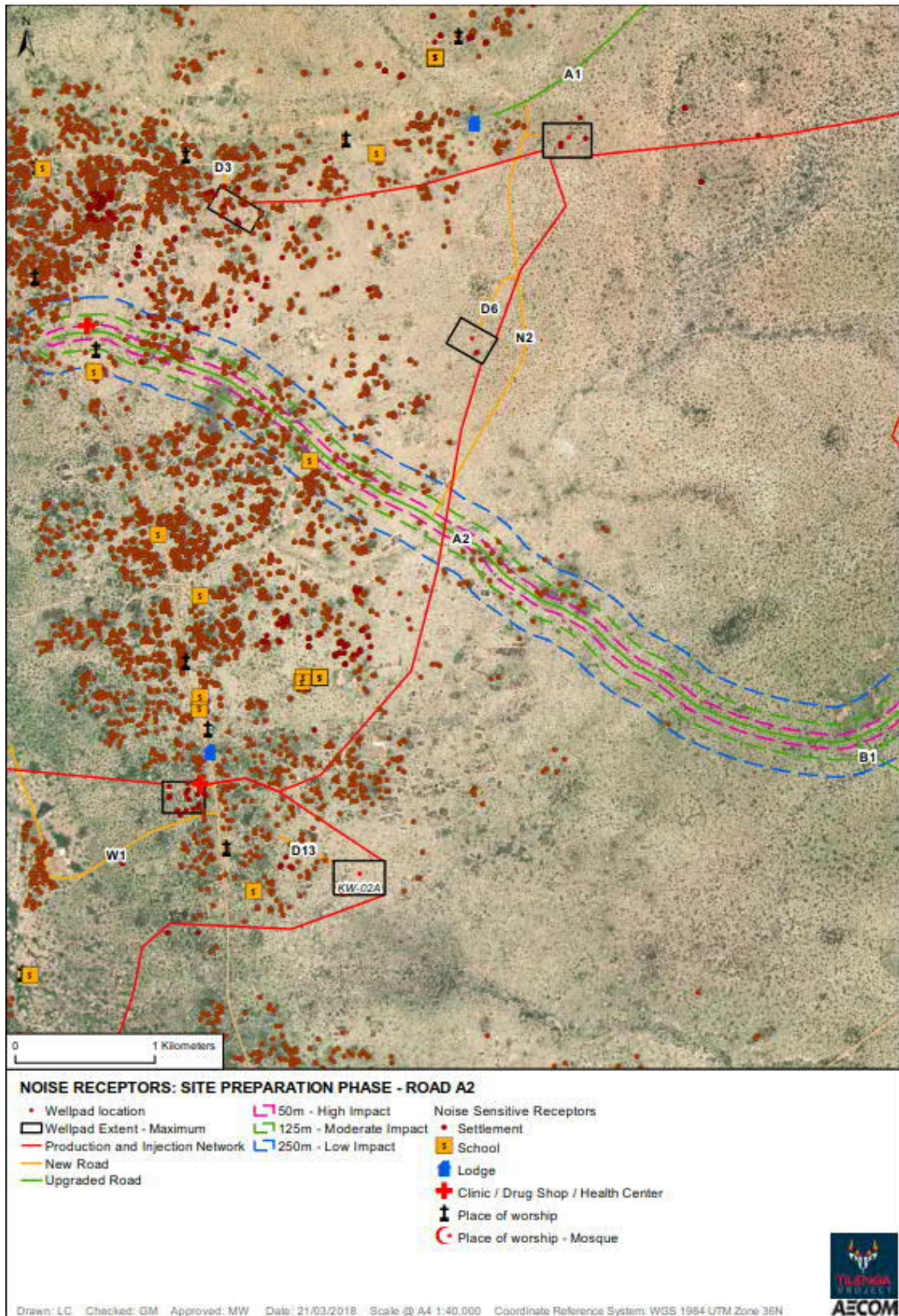




Figure I2-42: Road Construction Receptor Analysis – Road A2

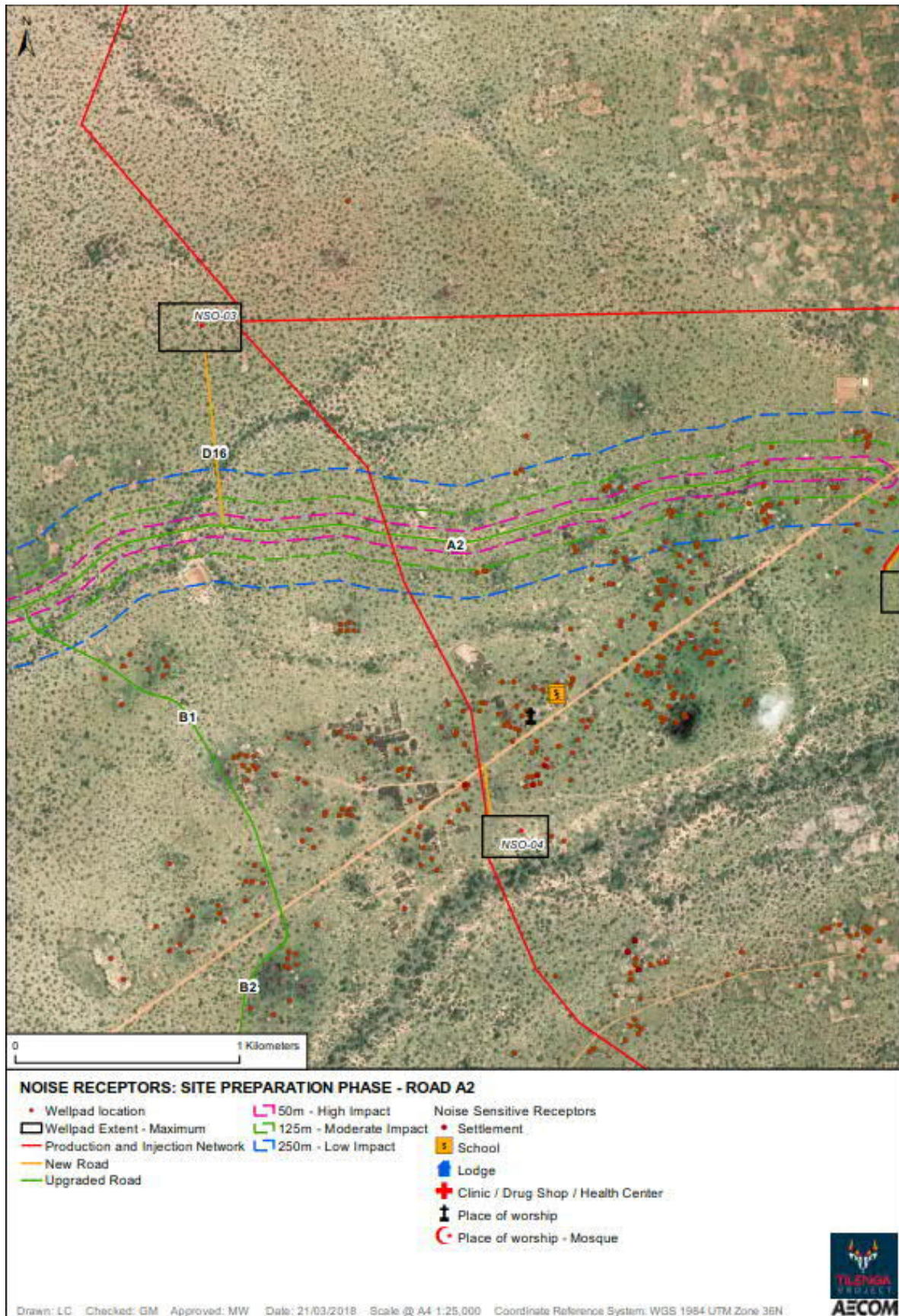




Figure I2-43: Road Construction Receptor Analysis – Road A3

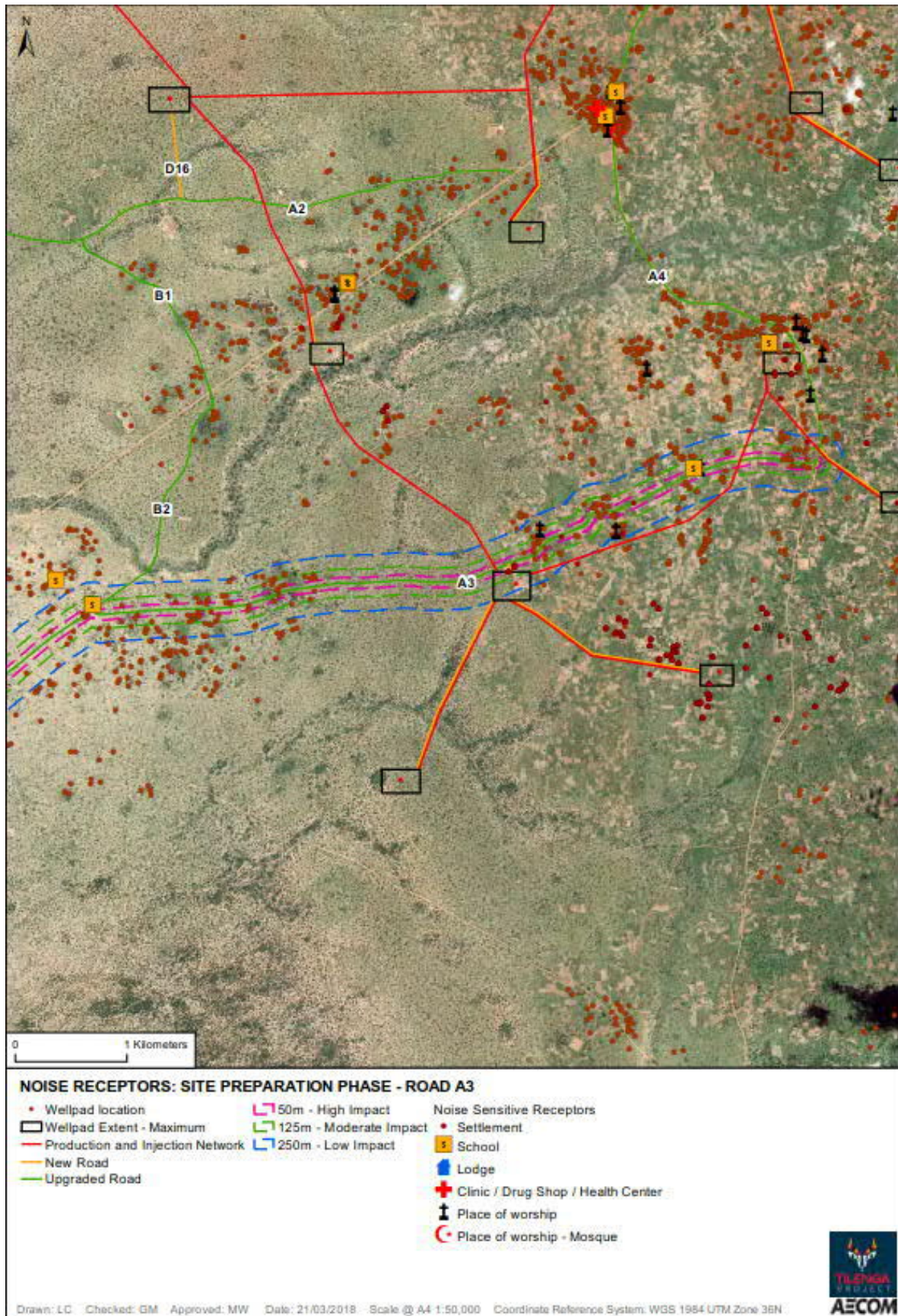




Figure I2-44: Road Construction Receptor Analysis – Road A3

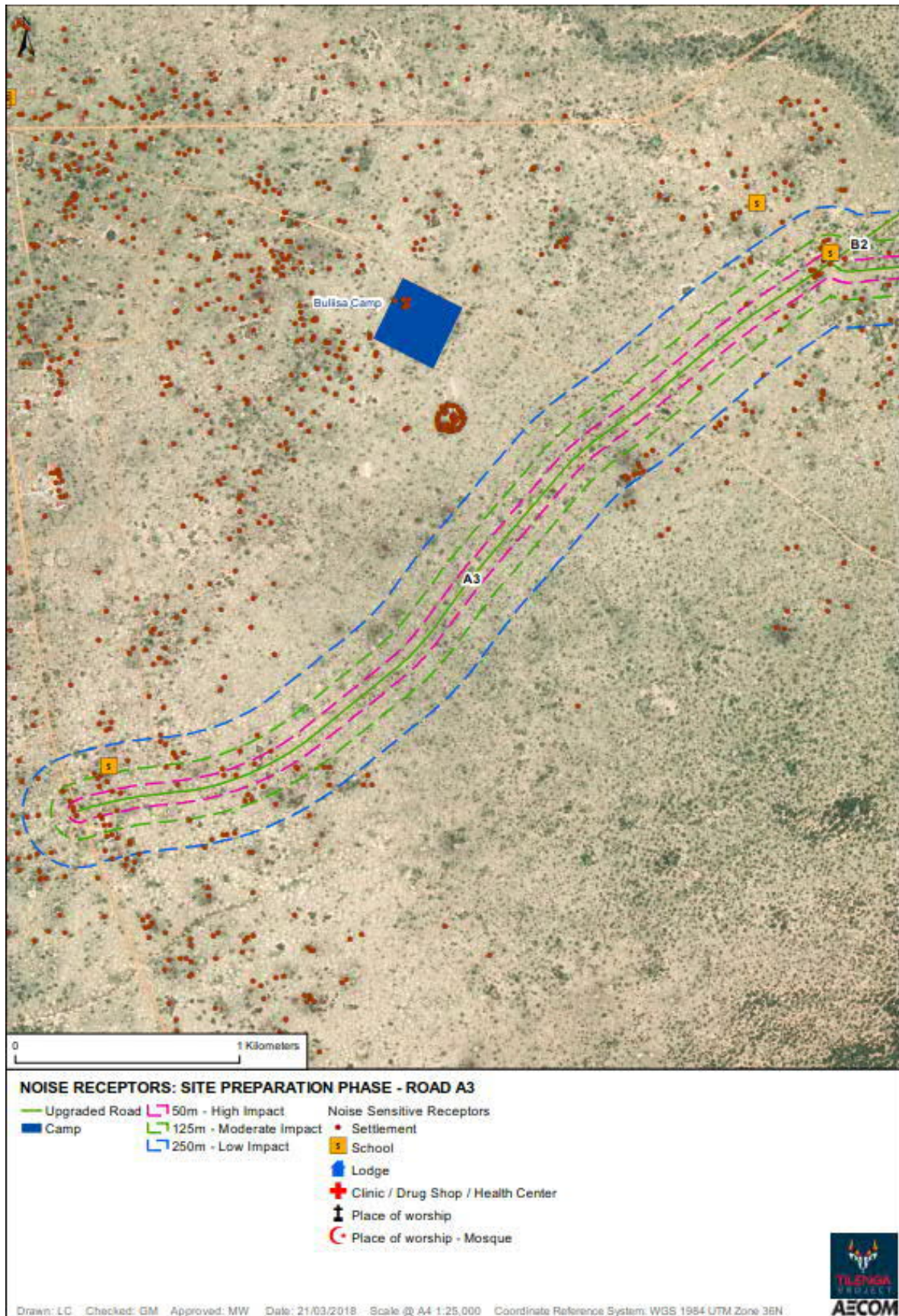




Figure I2-45: Road Construction Receptor Analysis – Road A4

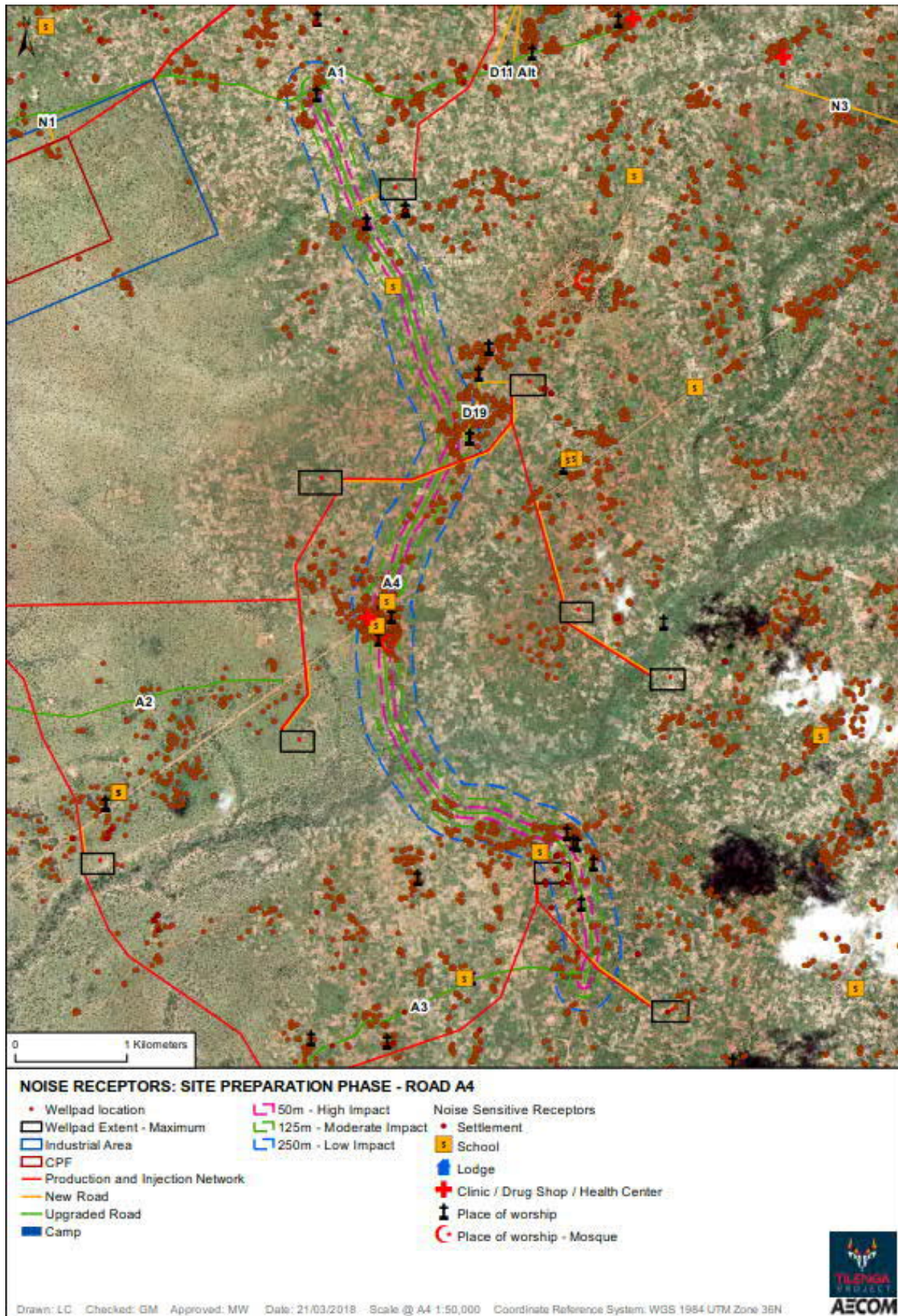




Figure I2-46: Road Construction Receptor Analysis – Road B1

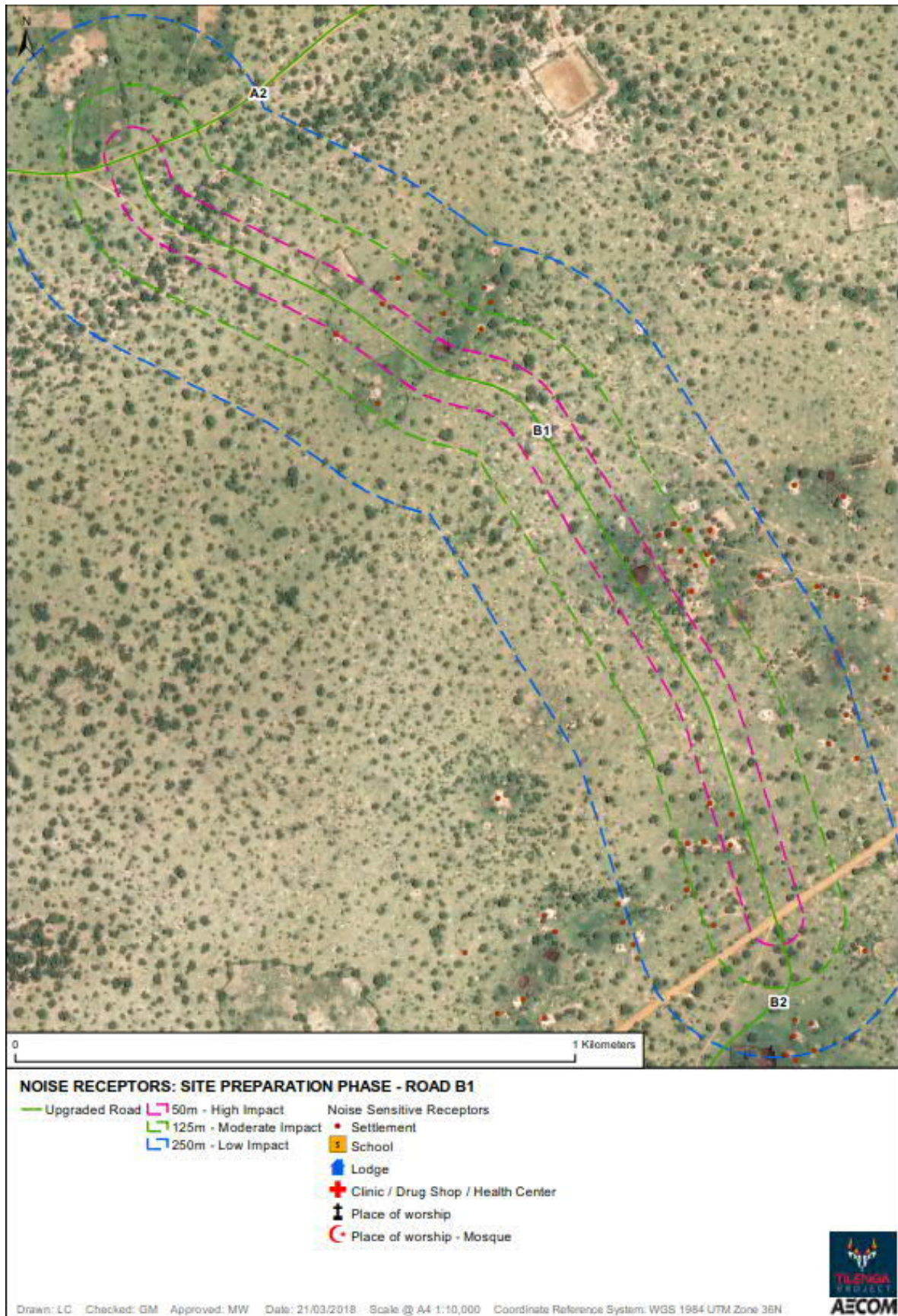




Figure I2-47: Road Construction Receptor Analysis – Road B2

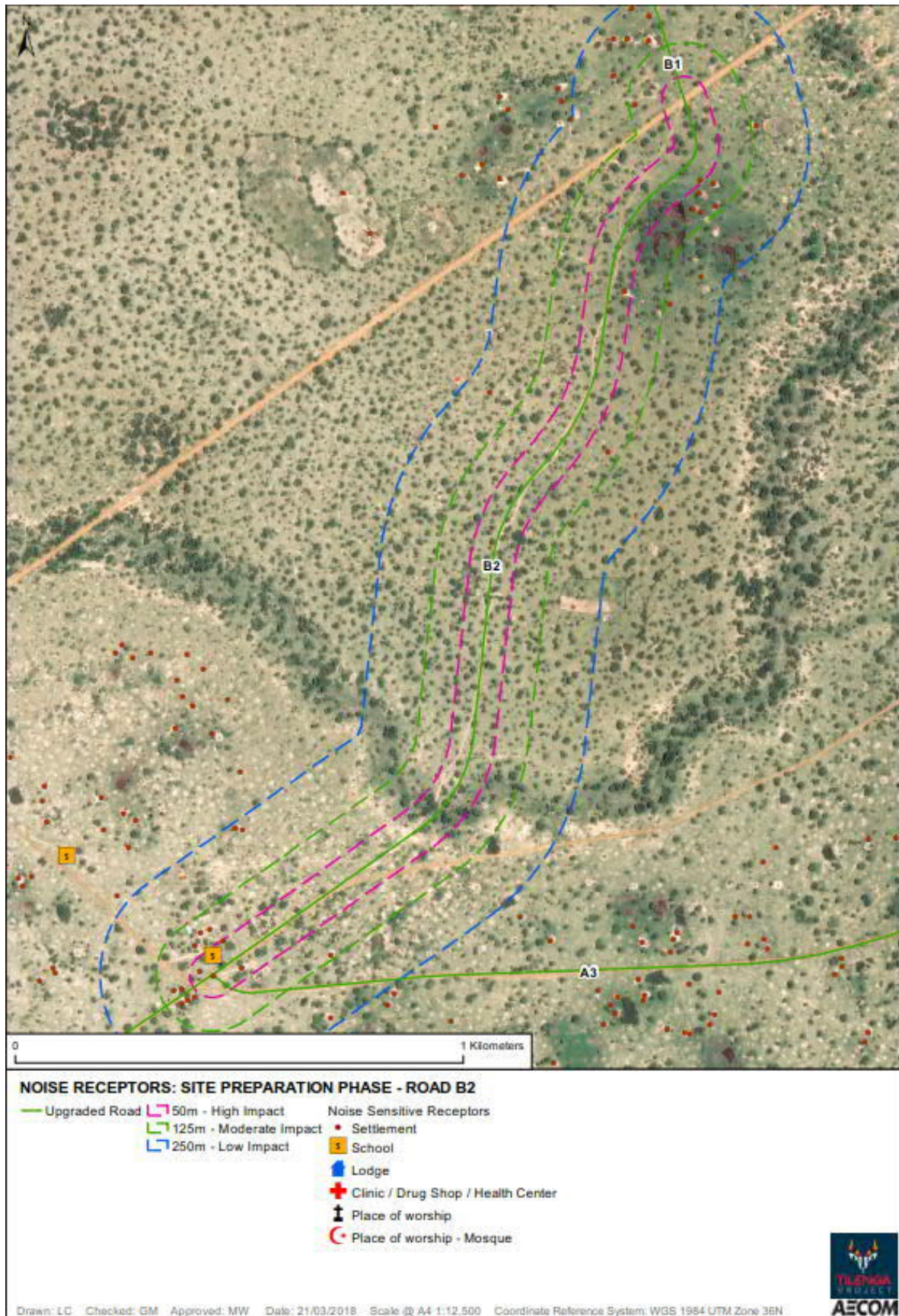
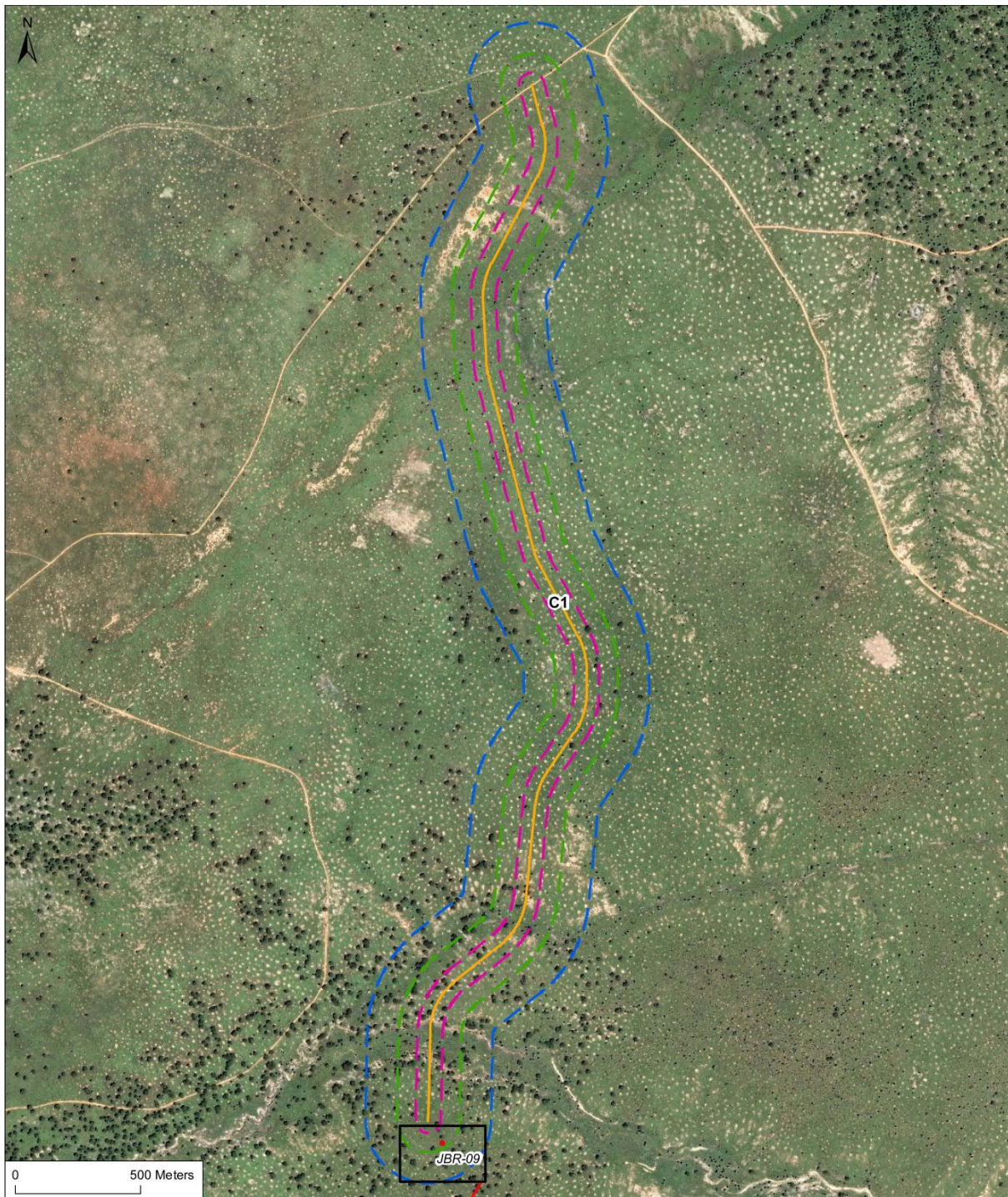




Figure I2-48: Road Construction Receptor Analysis – Road C1



**NOISE RECEPTORS: SITE PREPARATION PHASE - ROAD C1**

- |                                    |                        |                                      |
|------------------------------------|------------------------|--------------------------------------|
| • Wellpad location                 | 50m - High Impact      | Noise Sensitive Receptors            |
| □ Wellpad Extent - Maximum         | 125m - Moderate Impact | • Settlement                         |
| — Production and Injection Network | 250m - Low Impact      | Ⓢ School                             |
| — New Road                         |                        | 🏠 Lodge                              |
|                                    |                        | ⛑ Clinic / Drug Shop / Health Center |
|                                    |                        | 🕌 Place of worship                   |
|                                    |                        | 🕌 Place of worship - Mosque          |

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Figure I2-49: Road Construction Receptor Analysis – Road C3

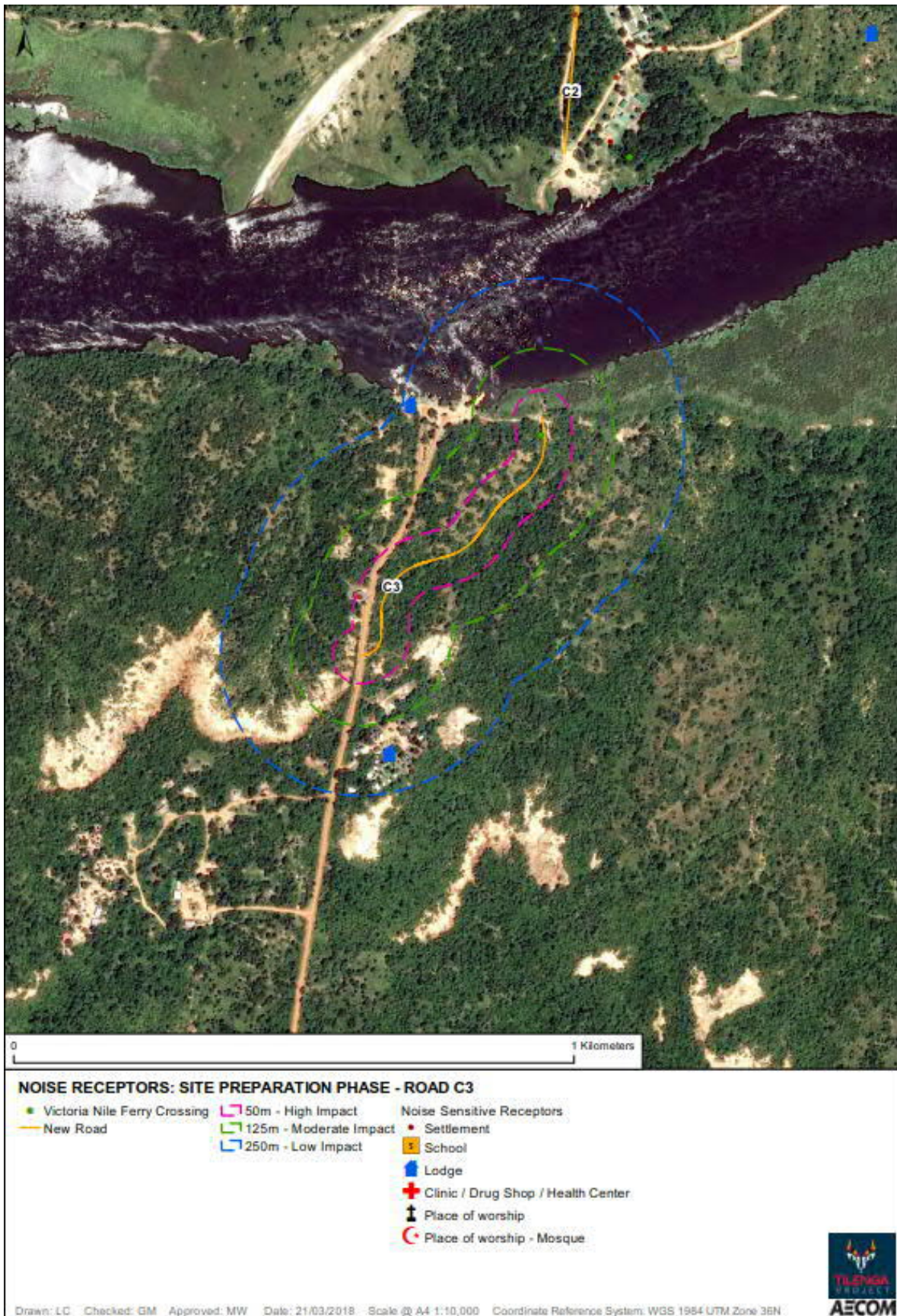




Figure I2-50: Road Construction Receptor Analysis – Road D1

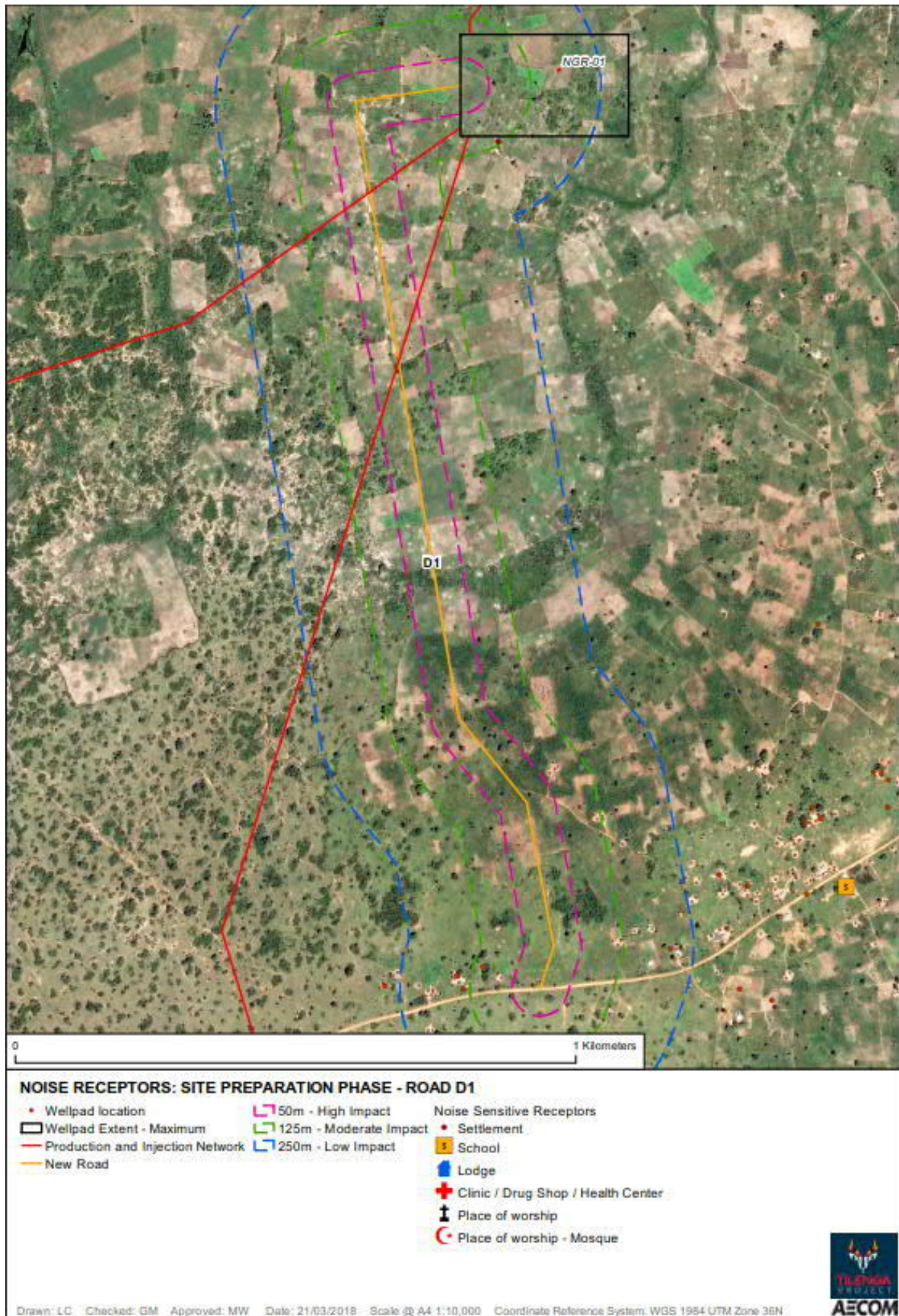




Figure I2-51: Road Construction Receptor Analysis – Road D10

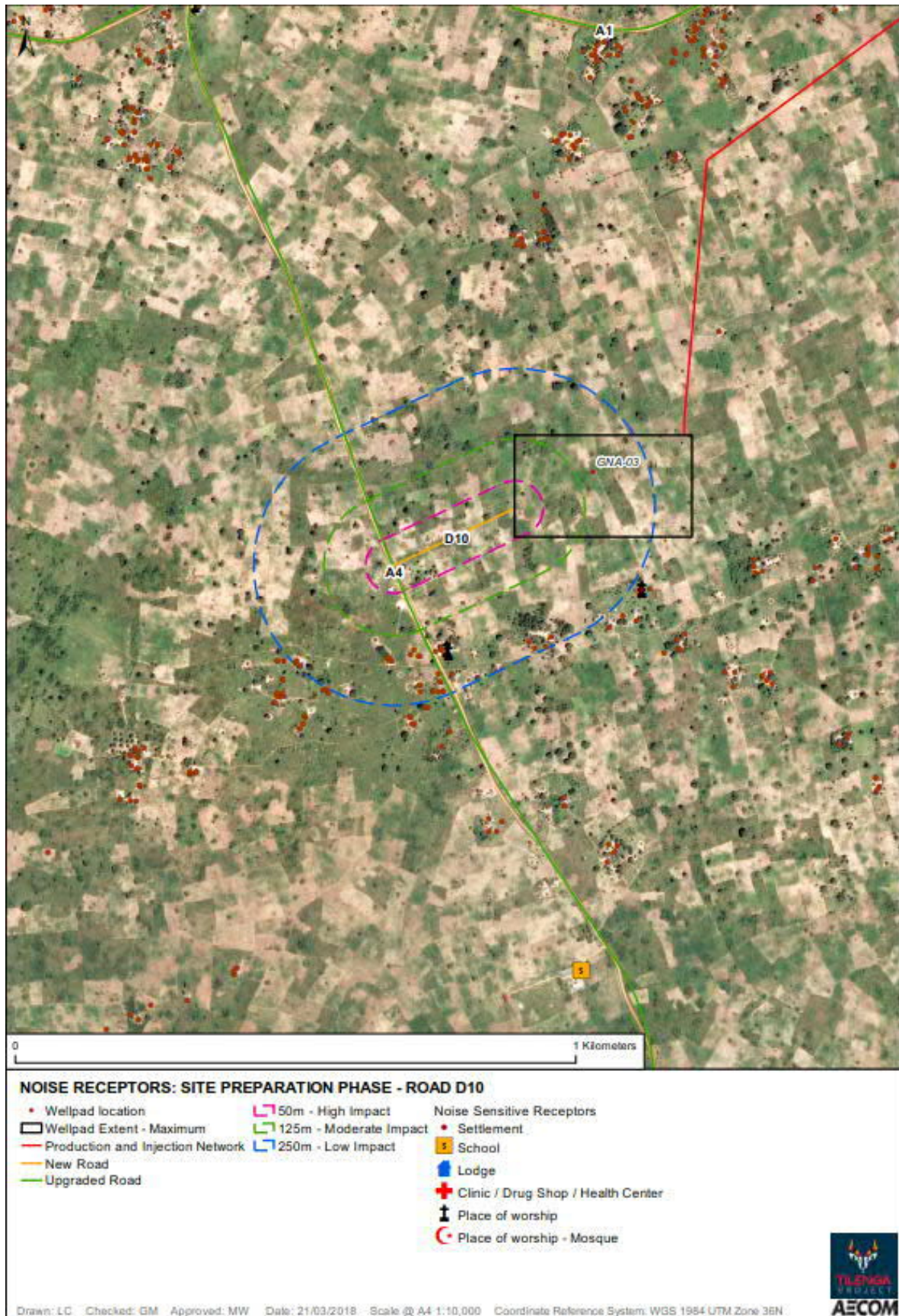




Figure I2-52: Road Construction Receptor Analysis – Road D11

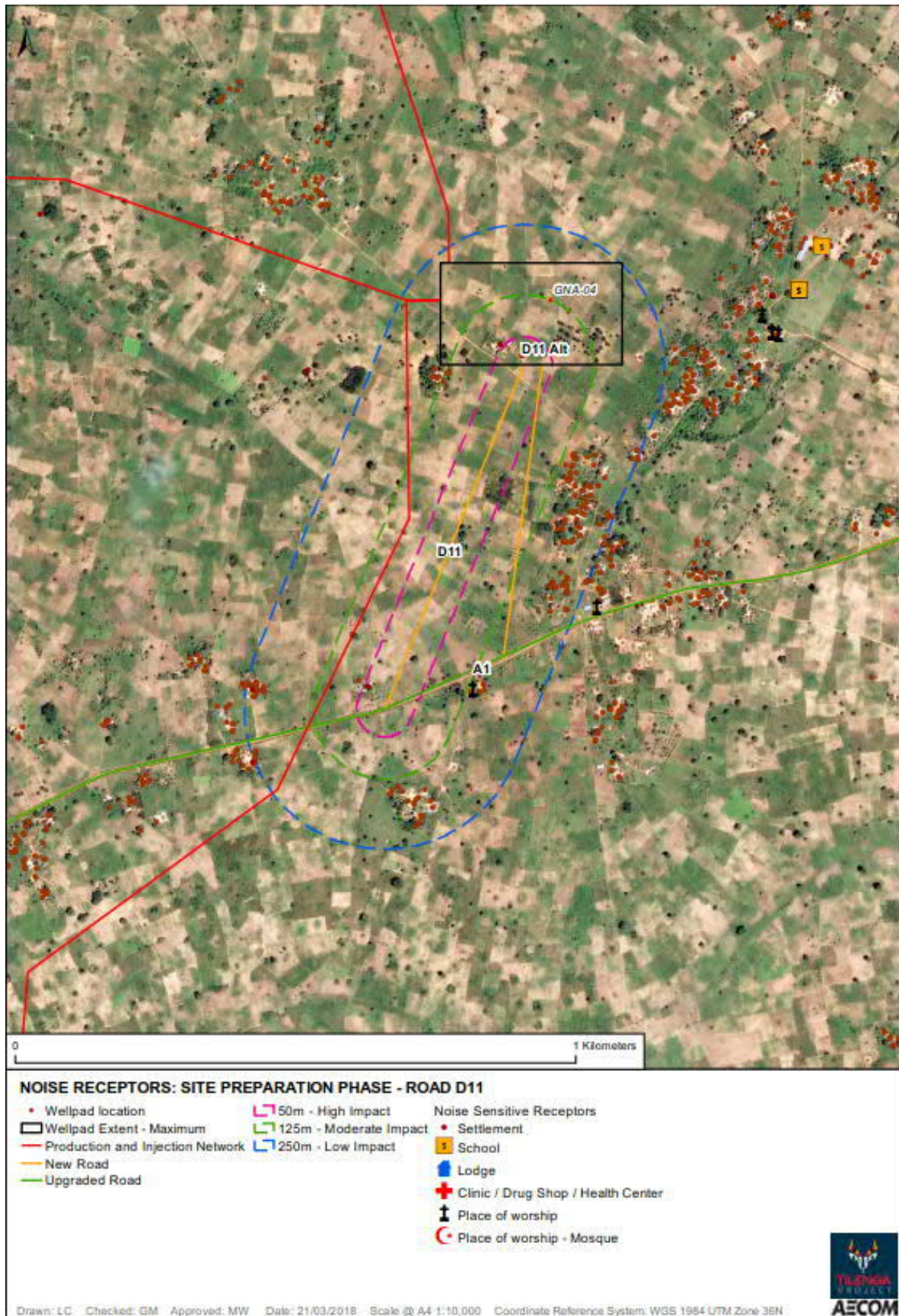




Figure I2-53: Road Construction Receptor Analysis – Road D11 (alternative route)

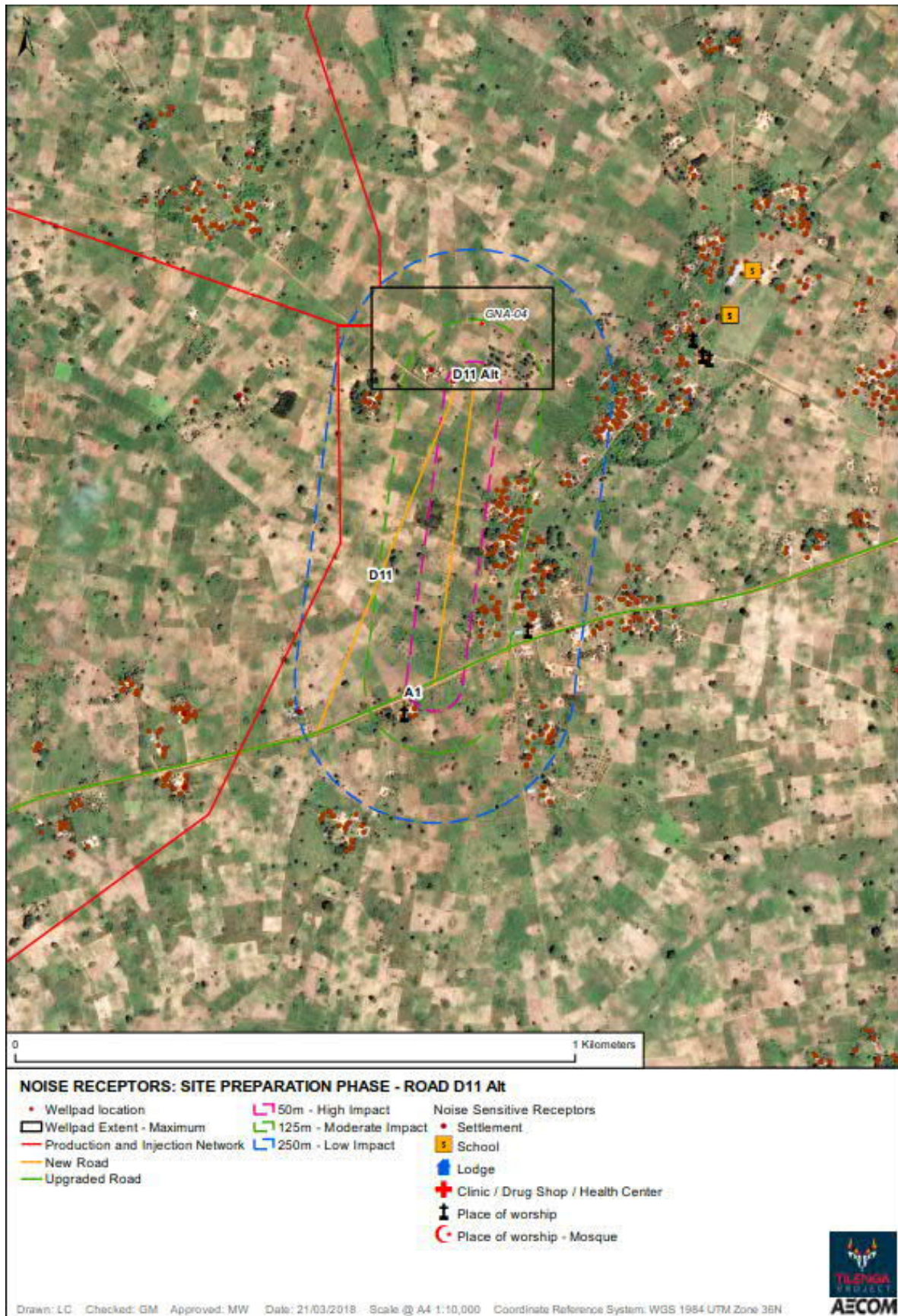




Figure I2-54: Road Construction Receptor Analysis – Road D12

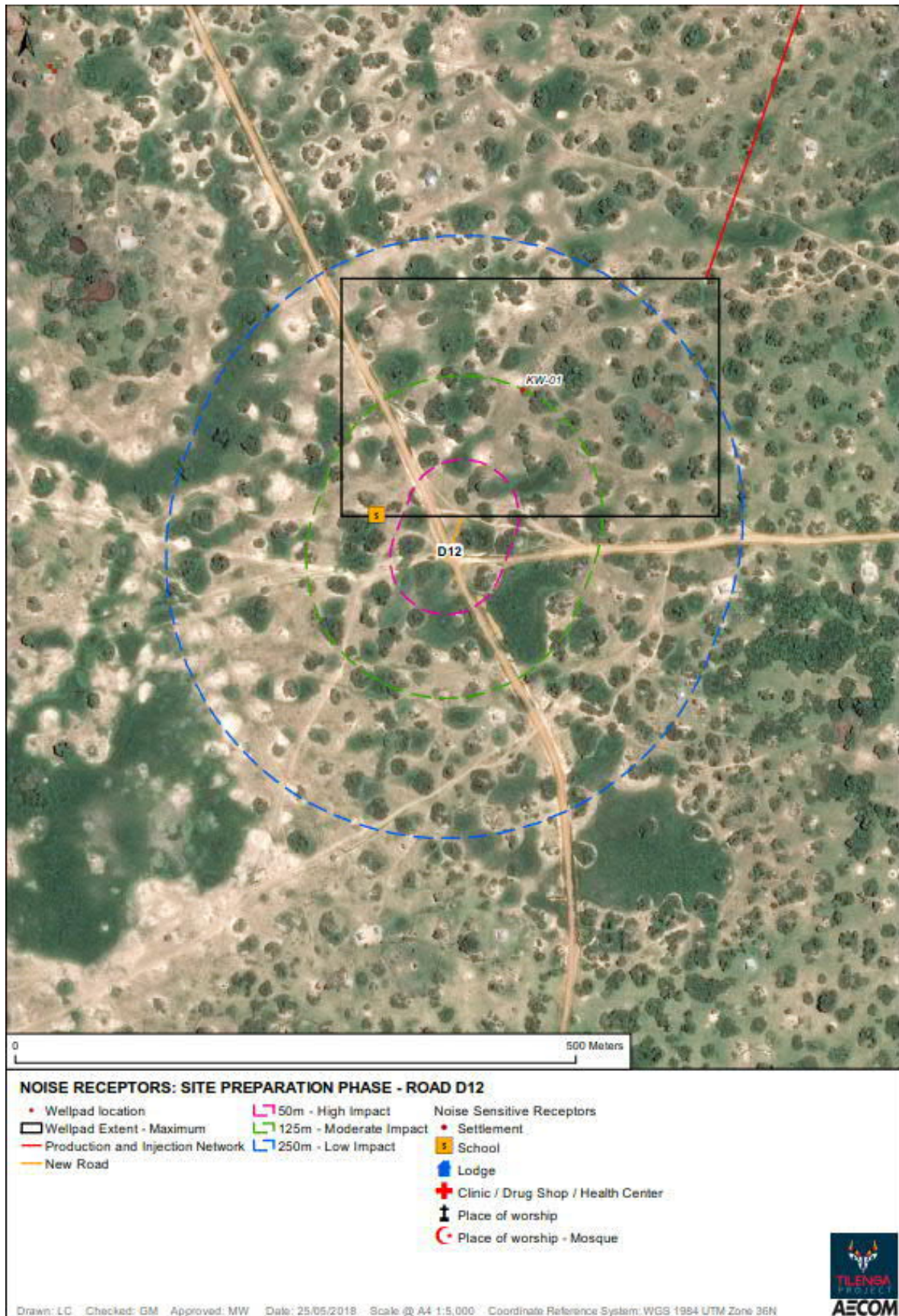




Figure I2-55: Road Construction Receptor Analysis – Road D13

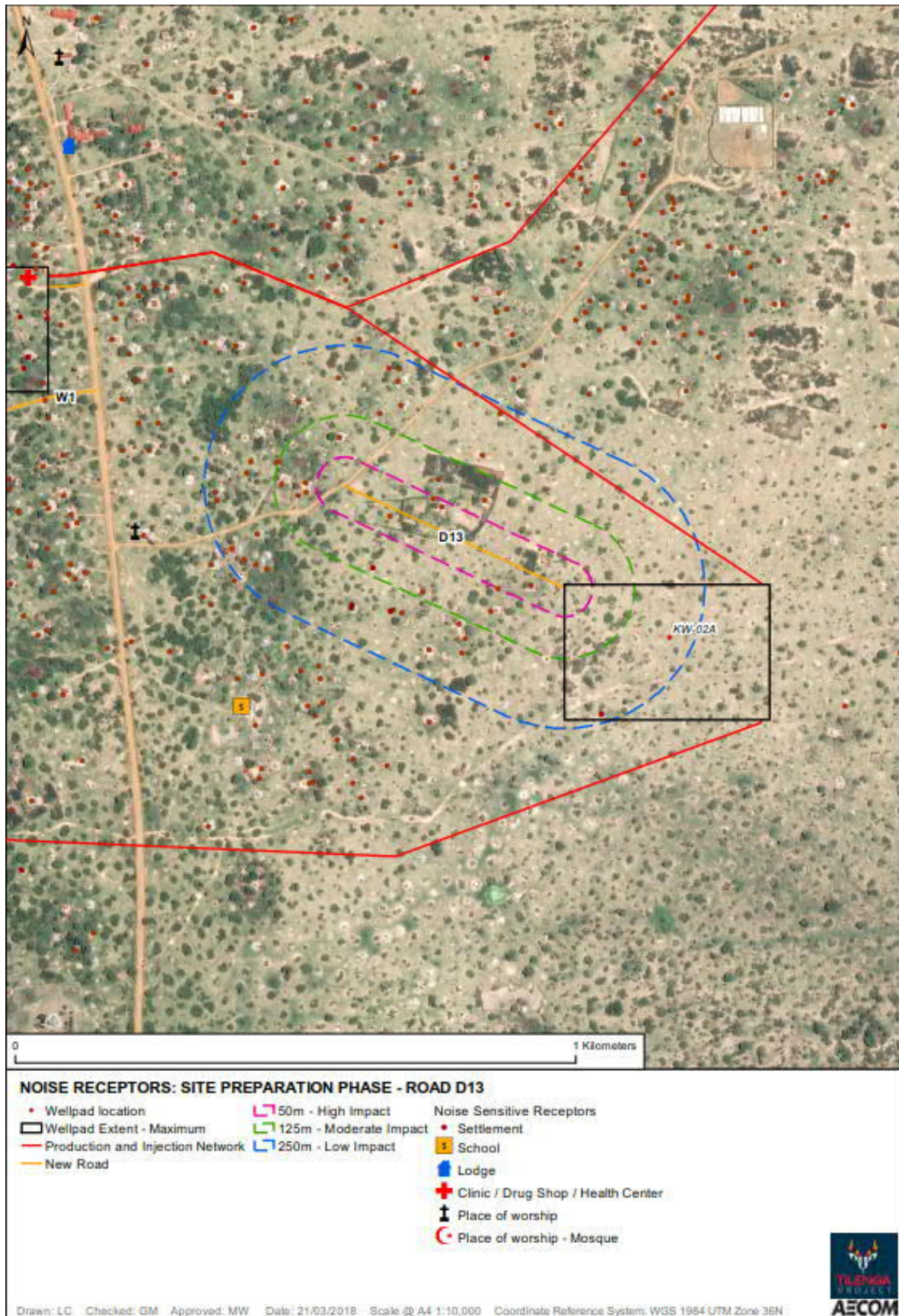




Figure I2-56: Road Construction Receptor Analysis – Road D14

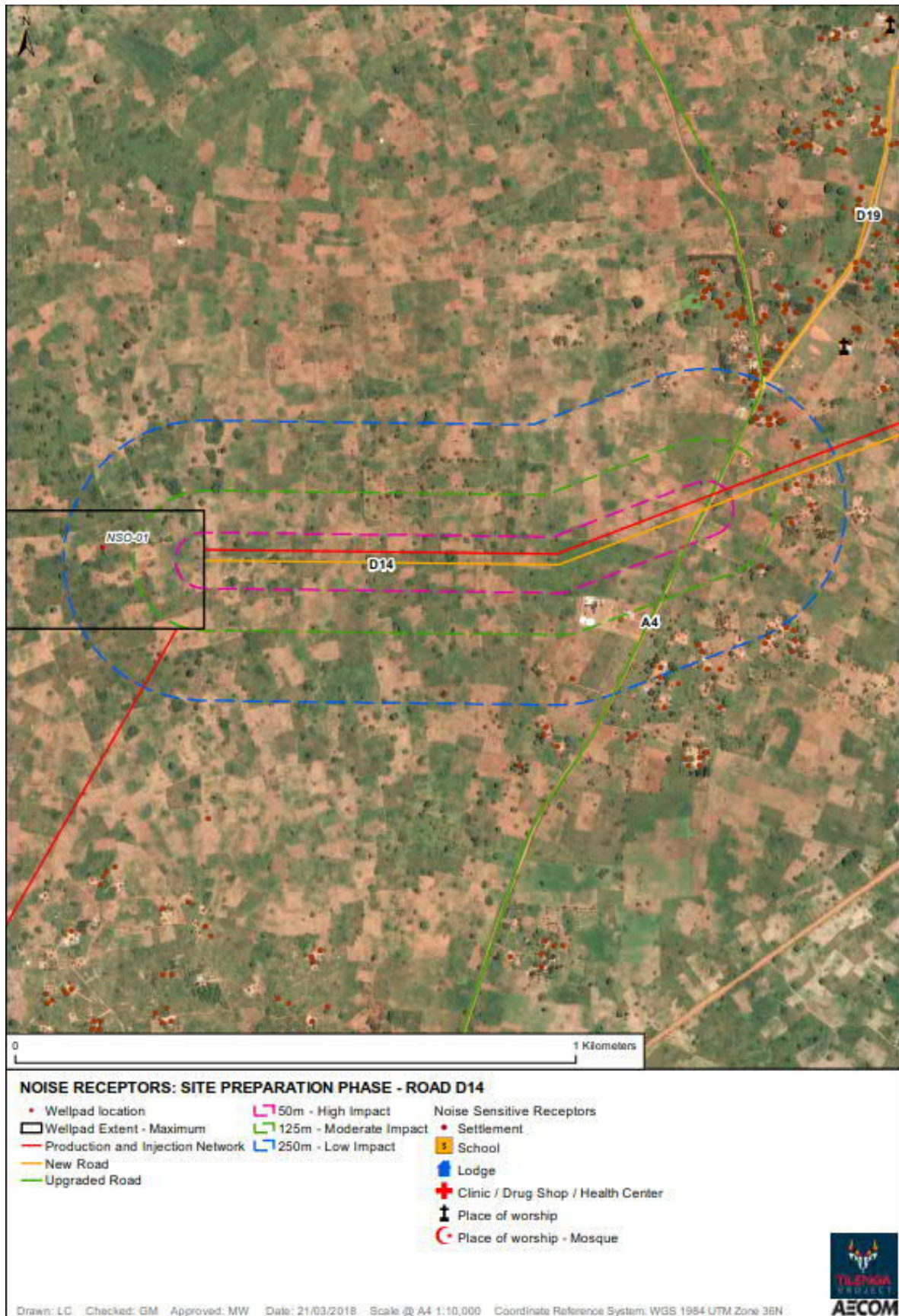




Figure I2-57: Road Construction Receptor Analysis – Road D15

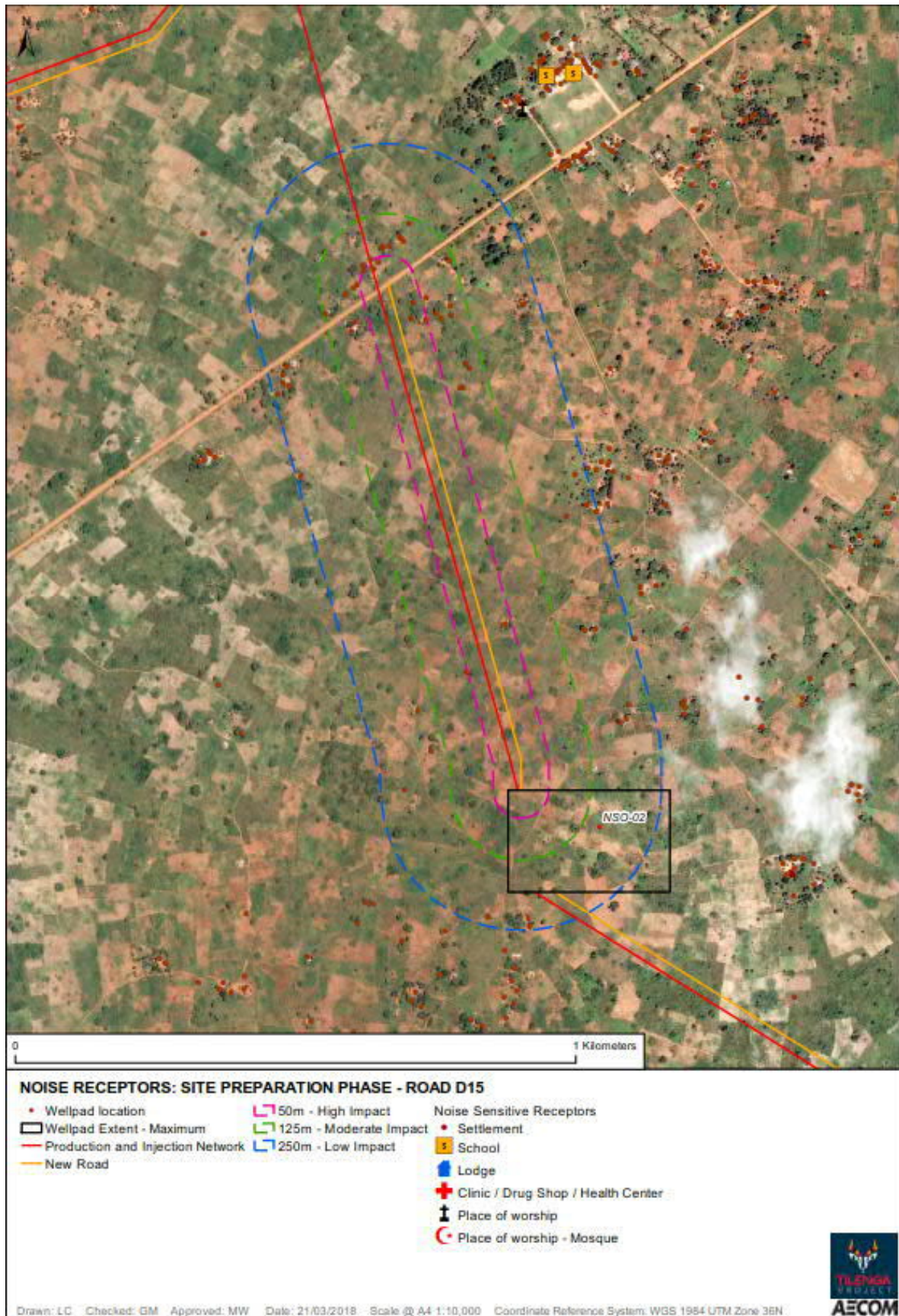




Figure I2-58: Road Construction Receptor Analysis – Road D16

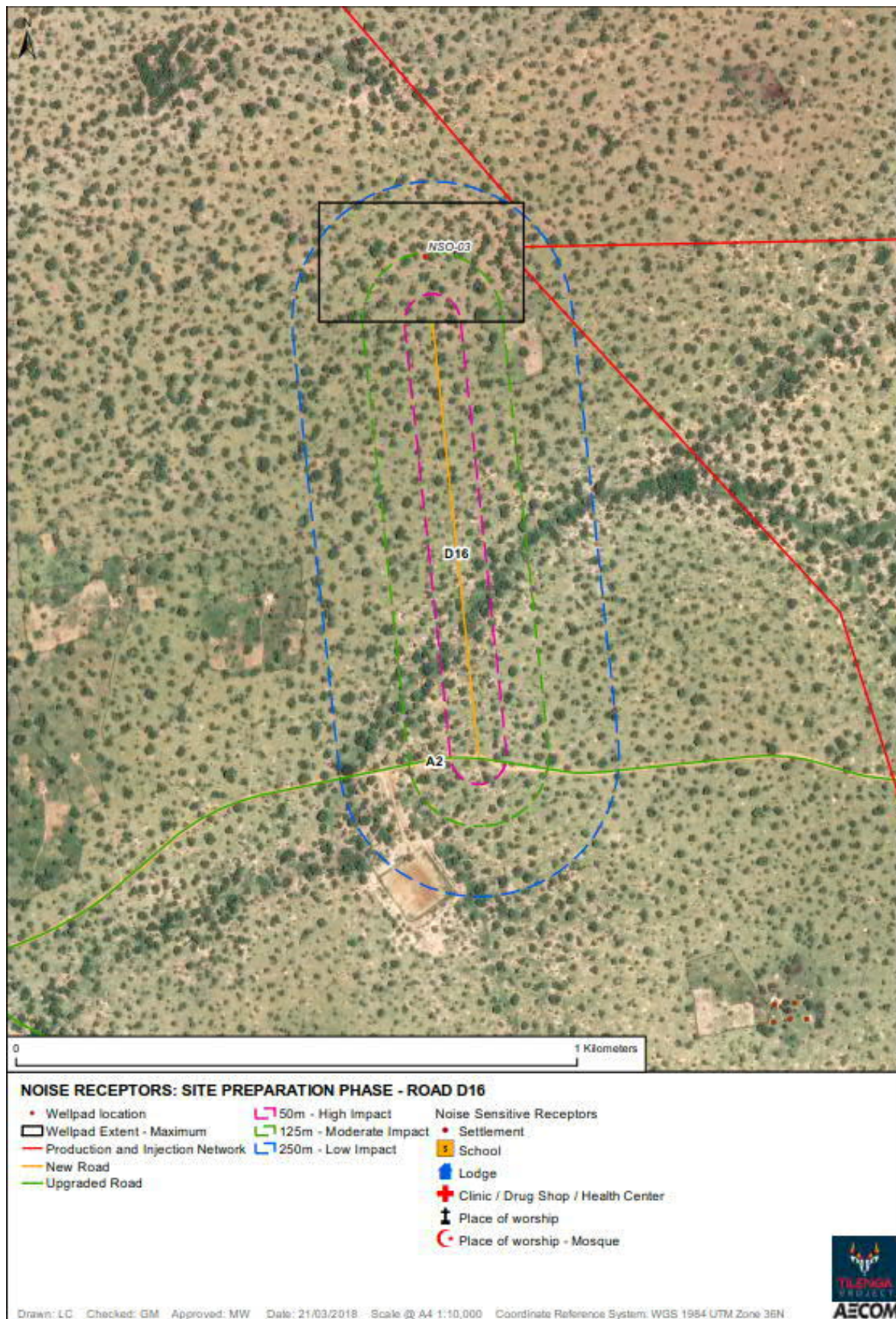




Figure I2-59: Road Construction Receptor Analysis – Road D17

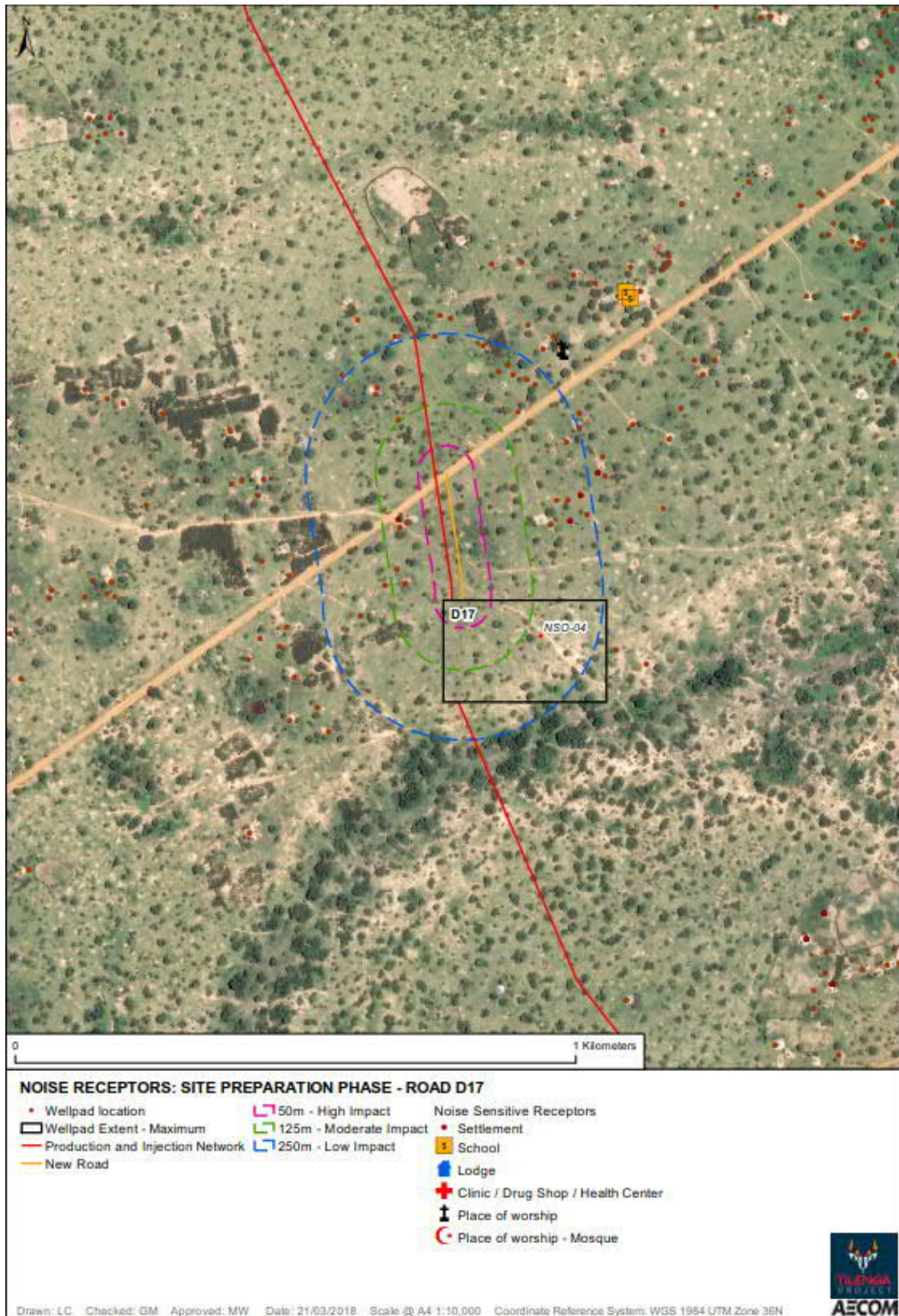




Figure I2-60: Road Construction Receptor Analysis – Road D18

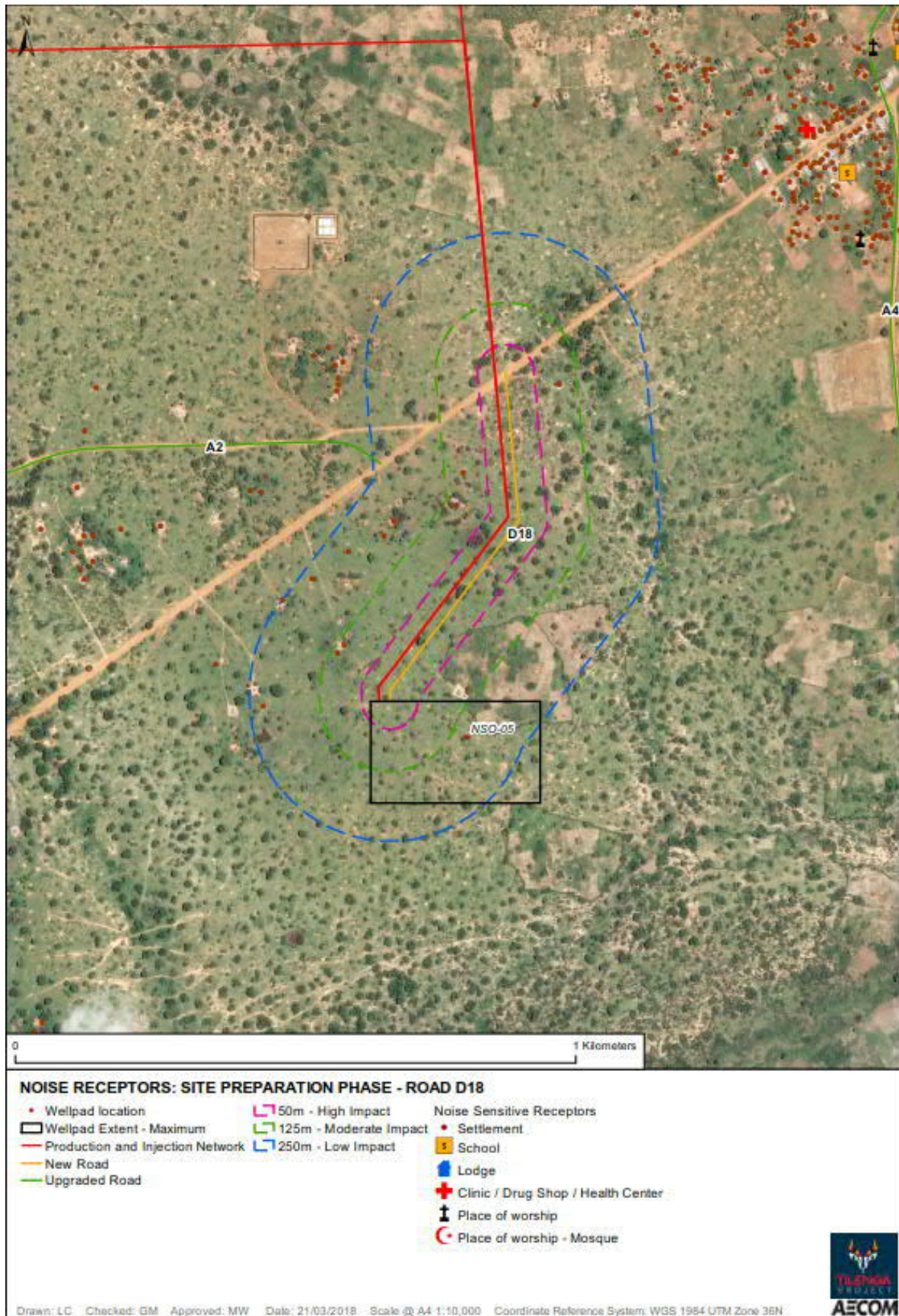




Figure I2-61: Road Construction Receptor Analysis – Road D19

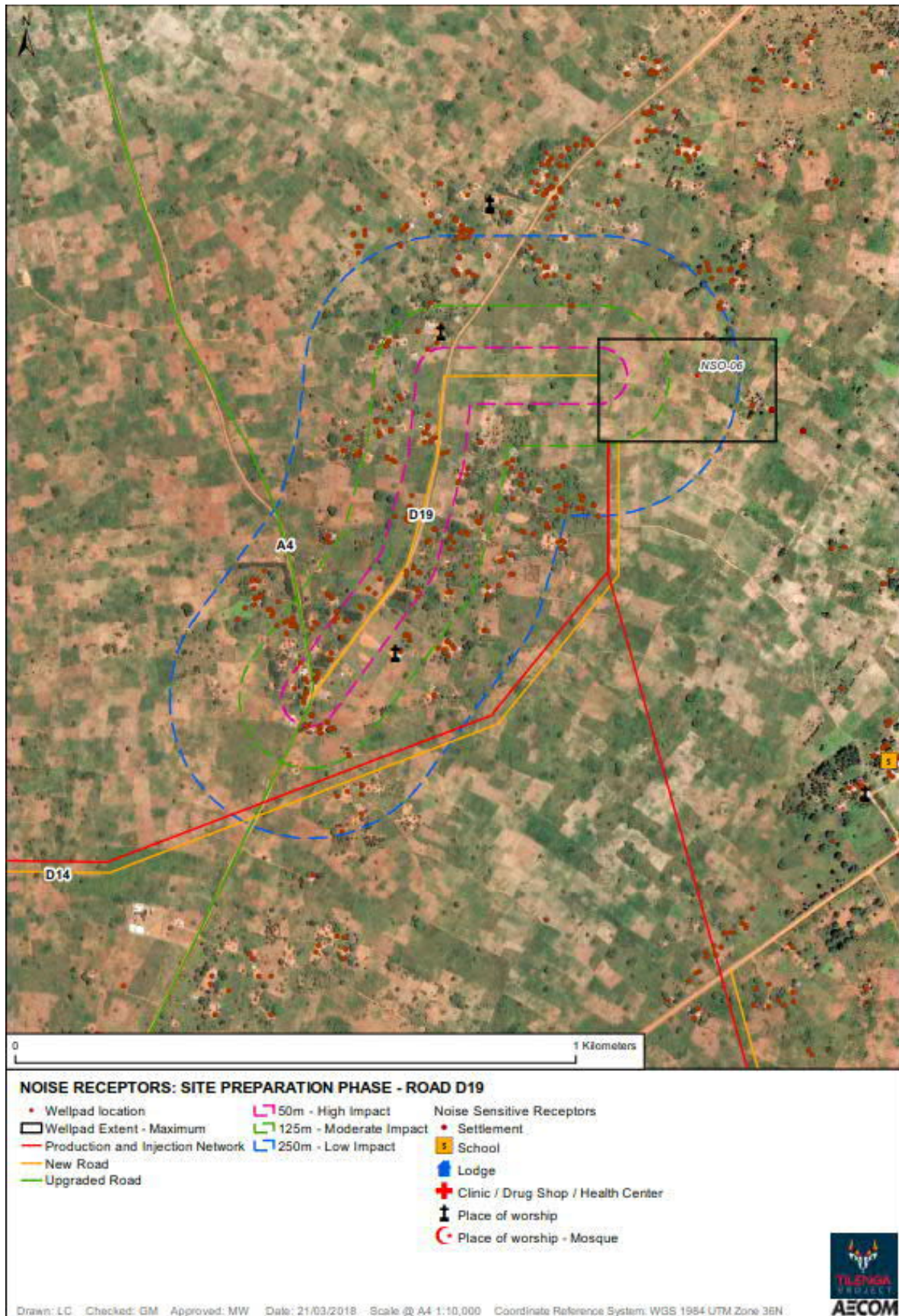




Figure I2-62: Road Construction Receptor Analysis – Road D19 (alternative route)

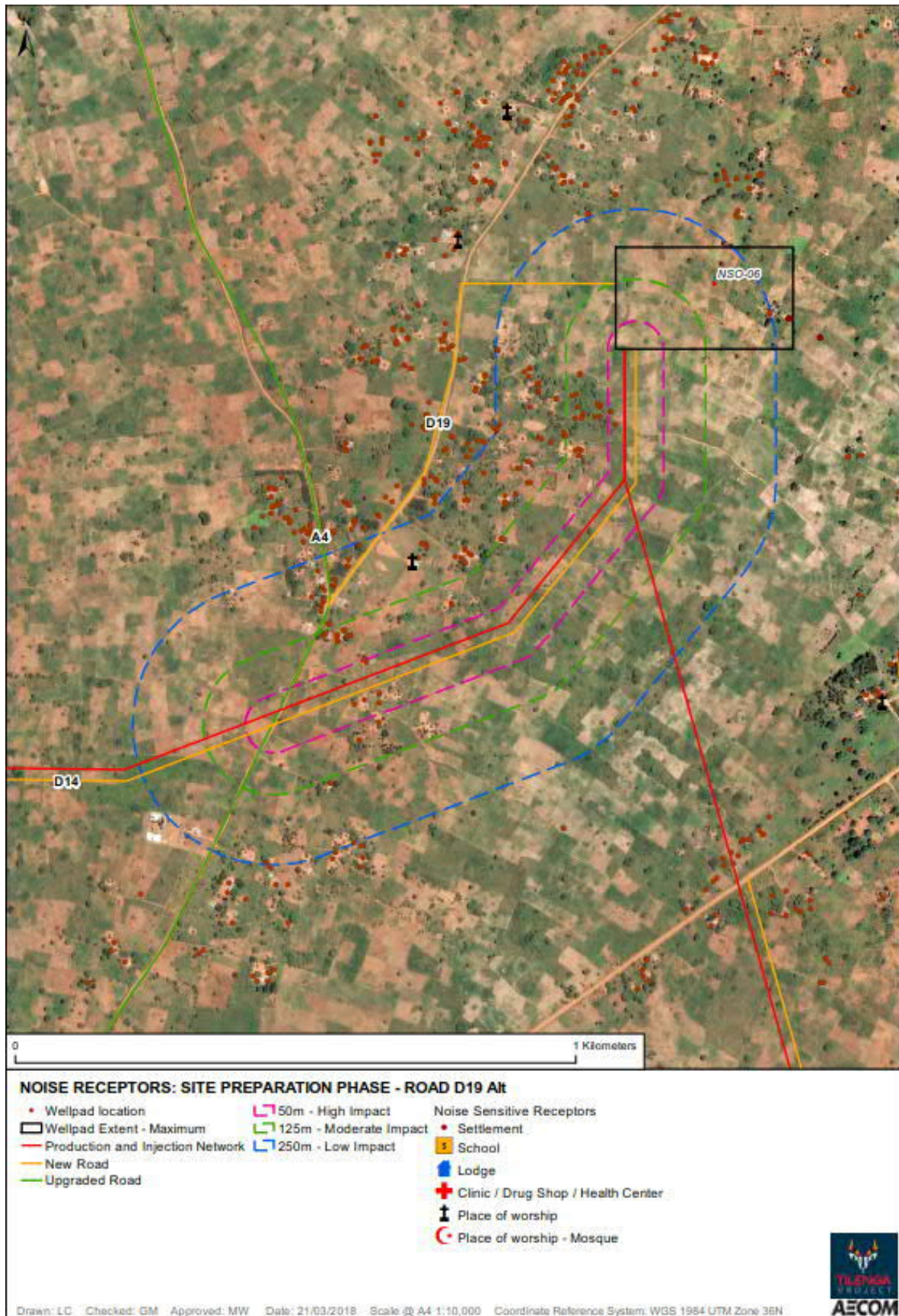




Figure I2-63: Road Construction Receptor Analysis – Road D2

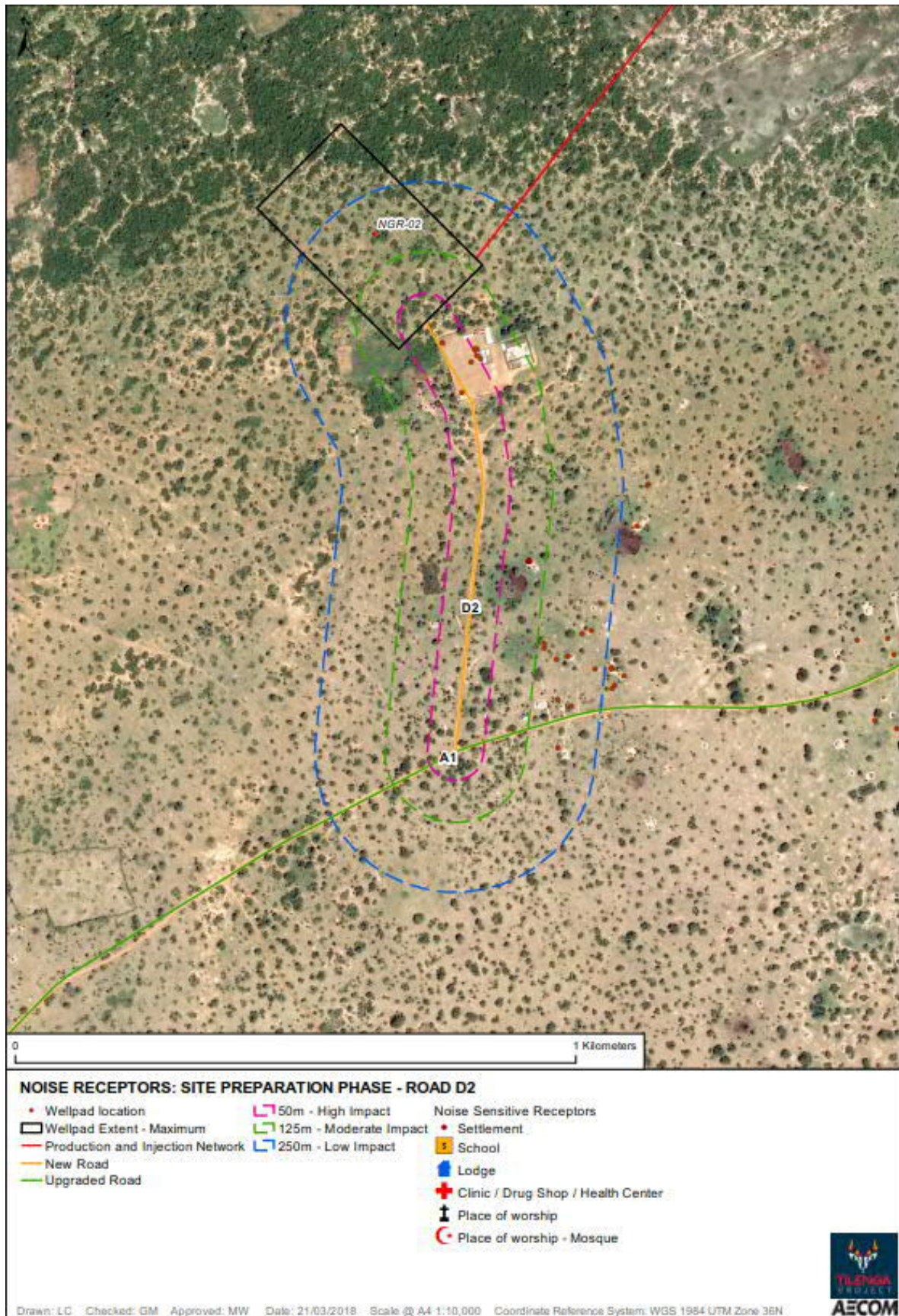




Figure I2-64: Road Construction Receptor Analysis – Road D20

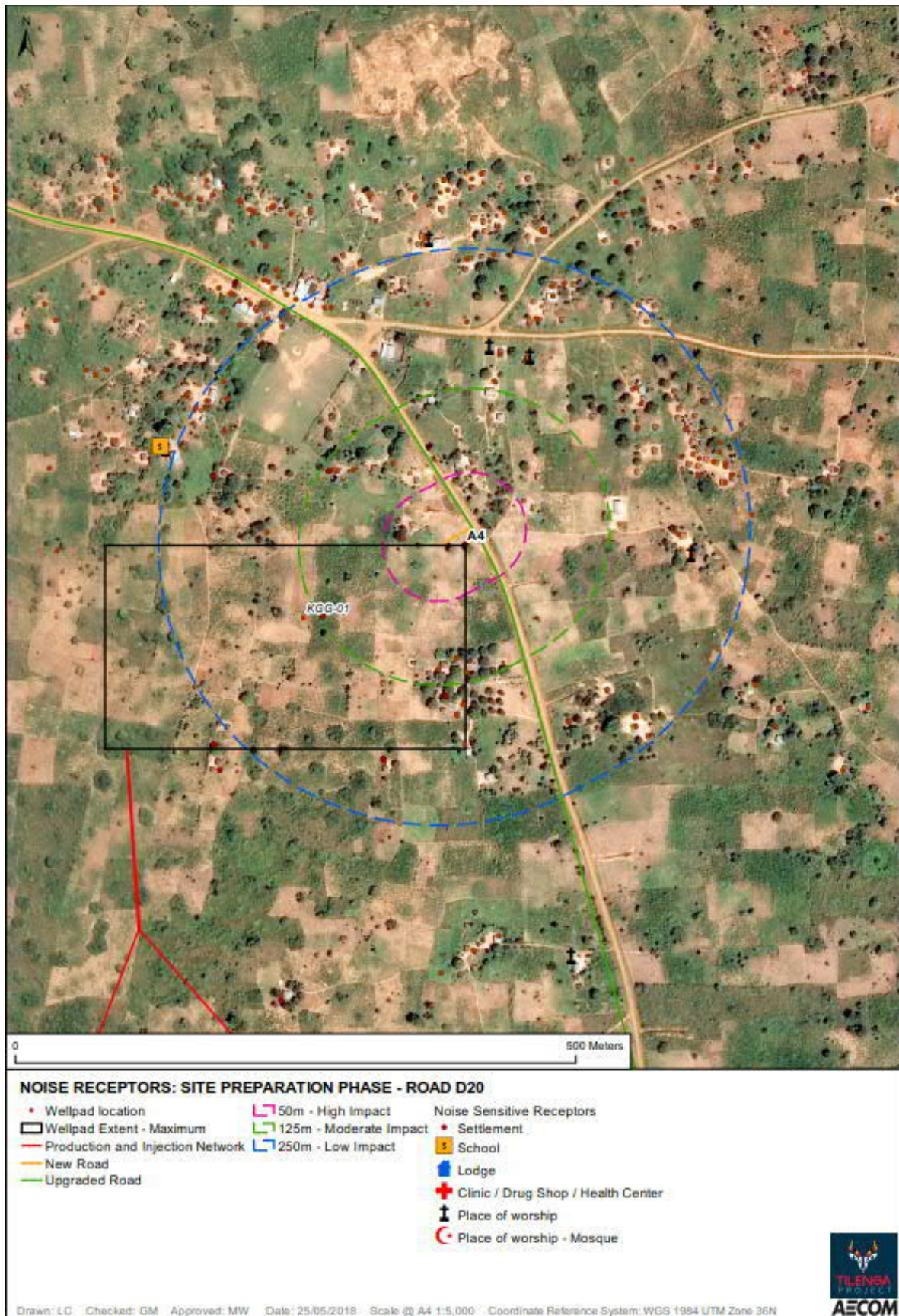




Figure I2-65: Road Construction Receptor Analysis – Road D22

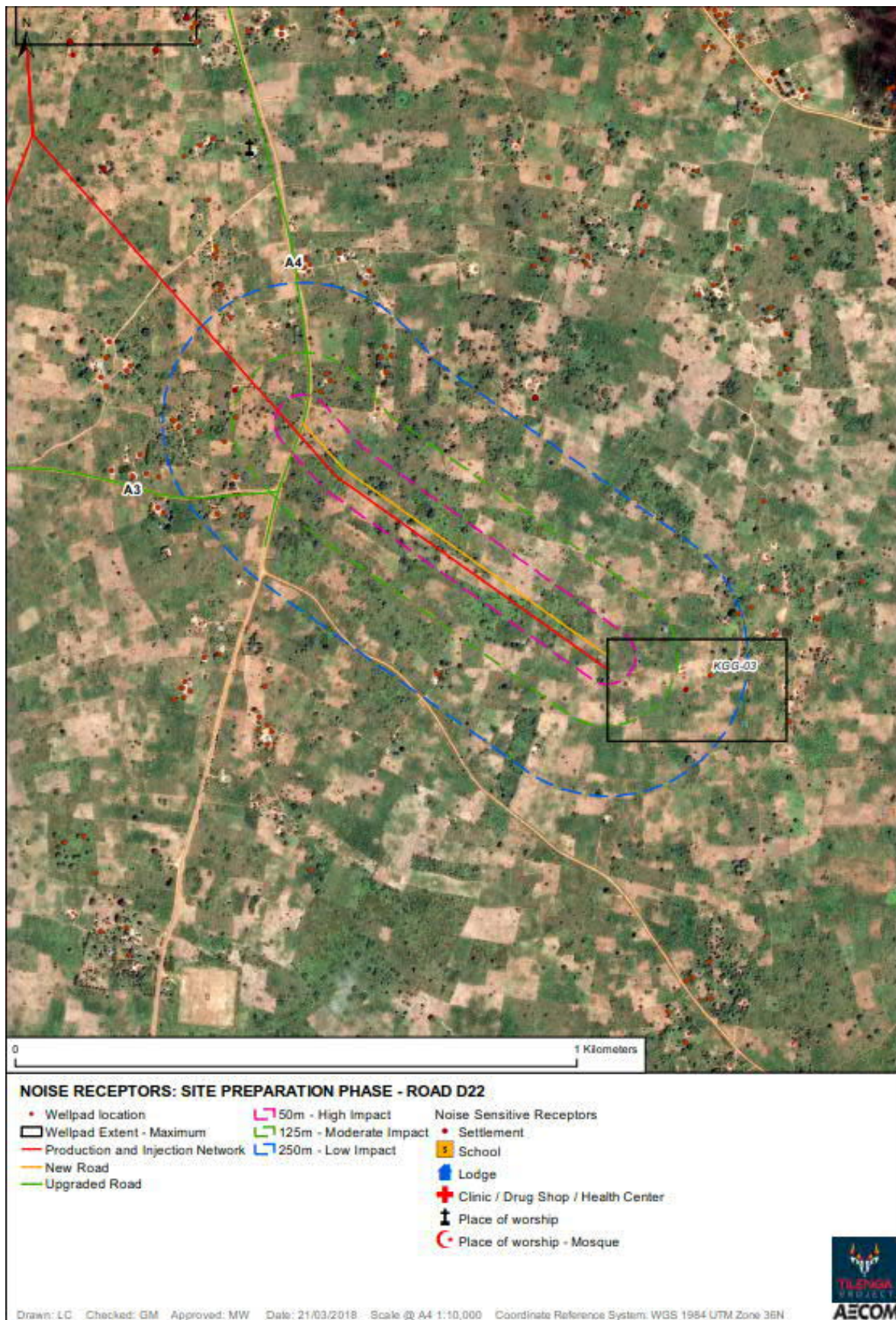




Figure I2-66: Road Construction Receptor Analysis – Road D23

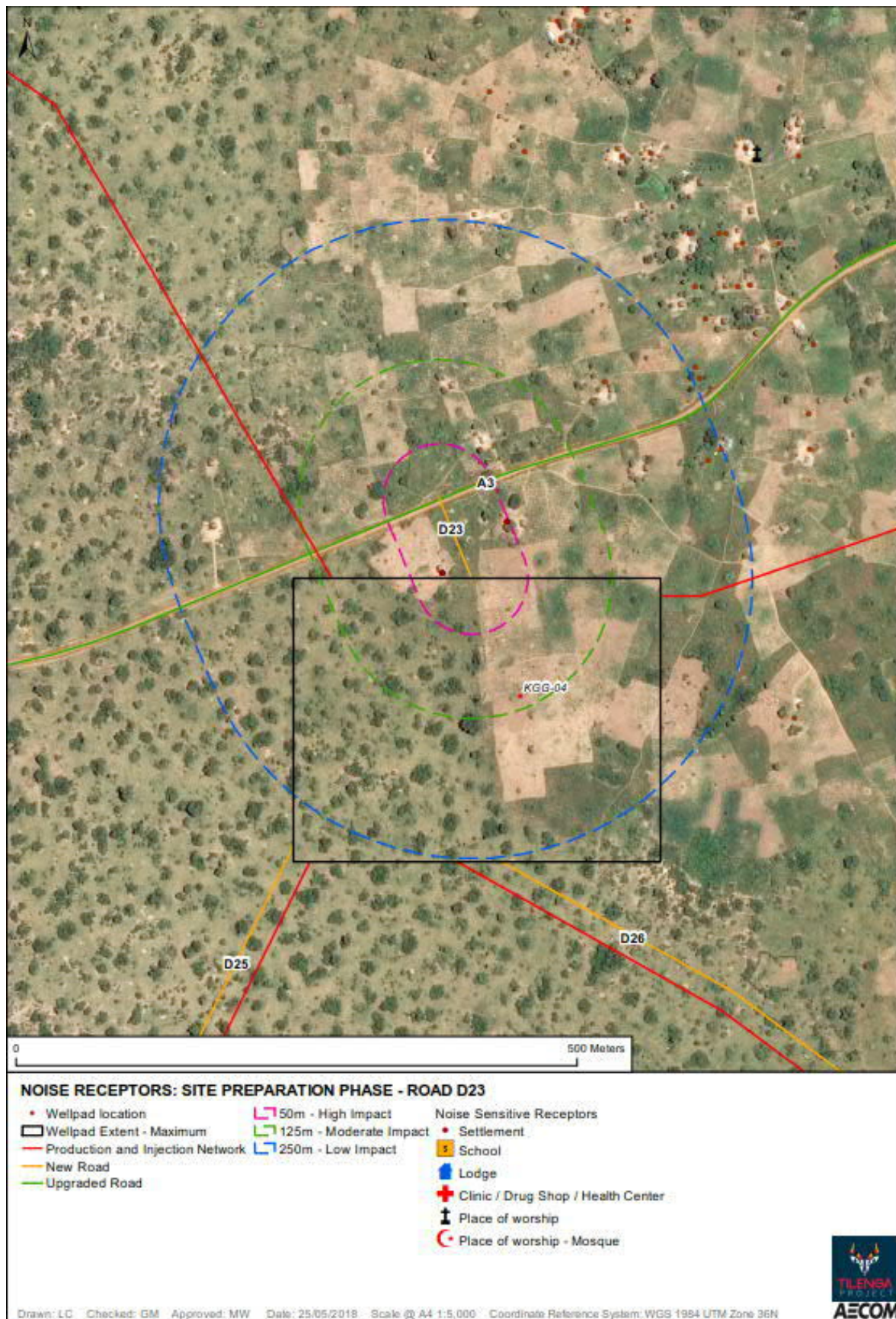




Figure I2-67: Road Construction Receptor Analysis – Road D24

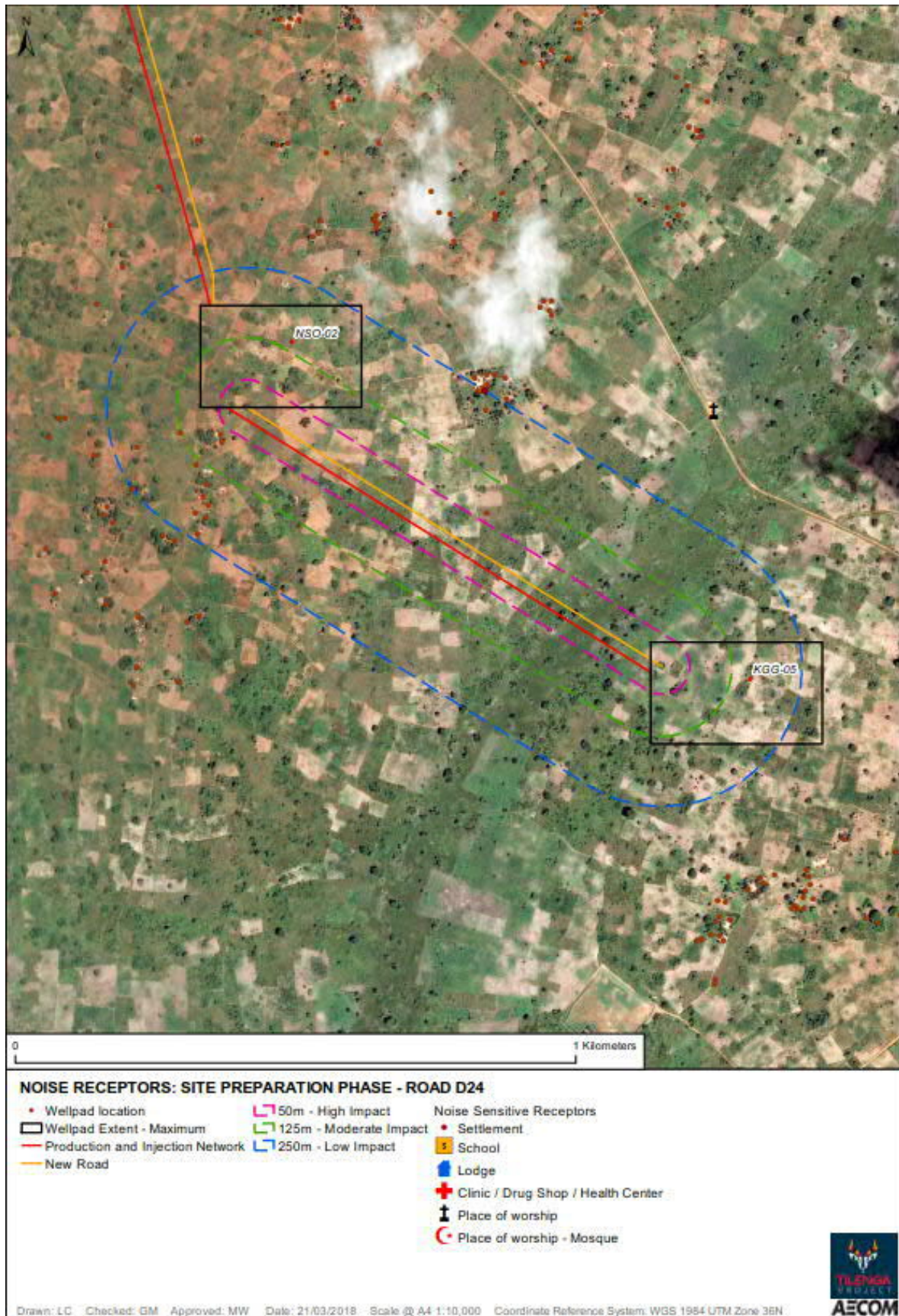




Figure I2-68: Road Construction Receptor Analysis – Road D25

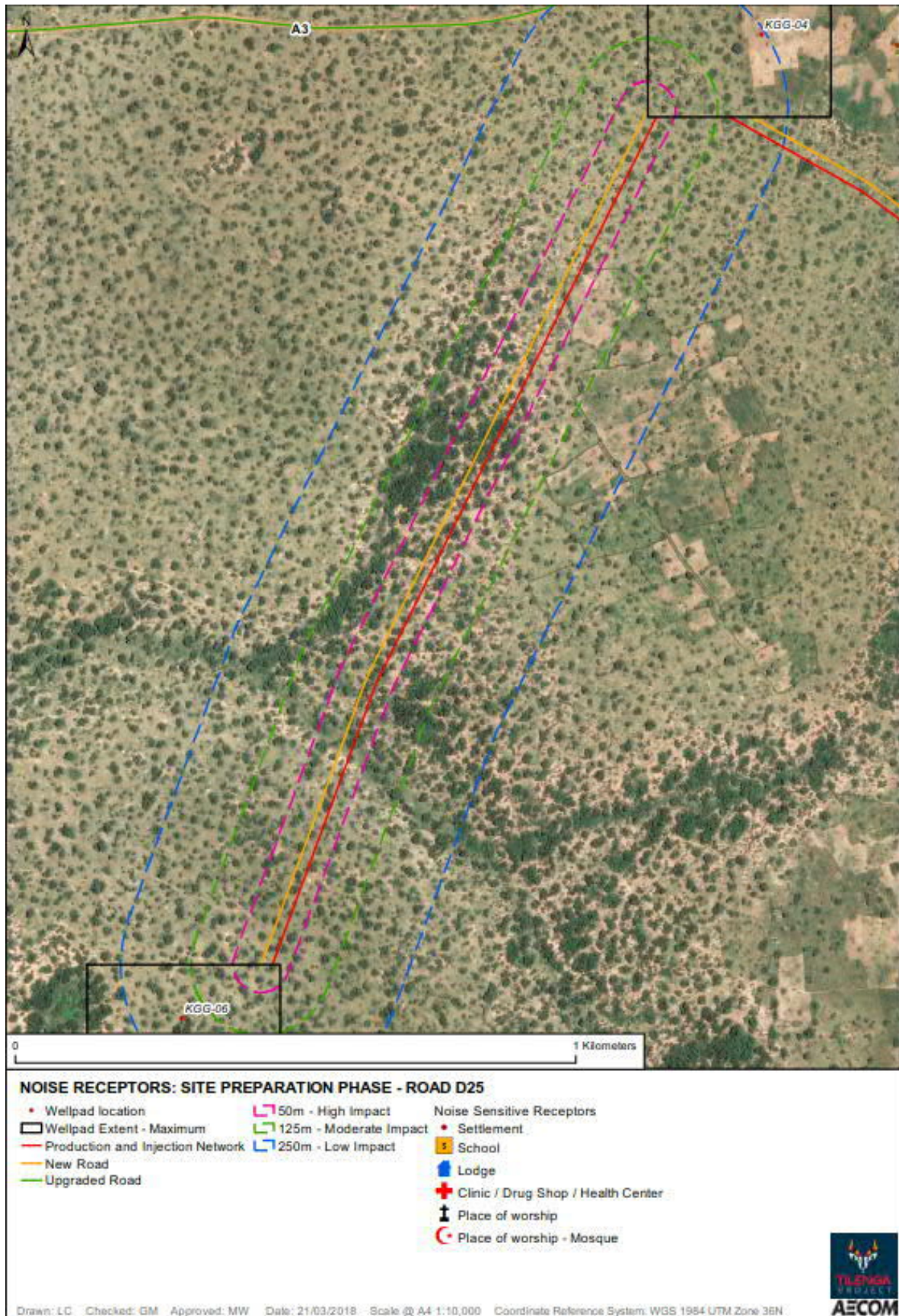




Figure I2-69: Road Construction Receptor Analysis – Road D26

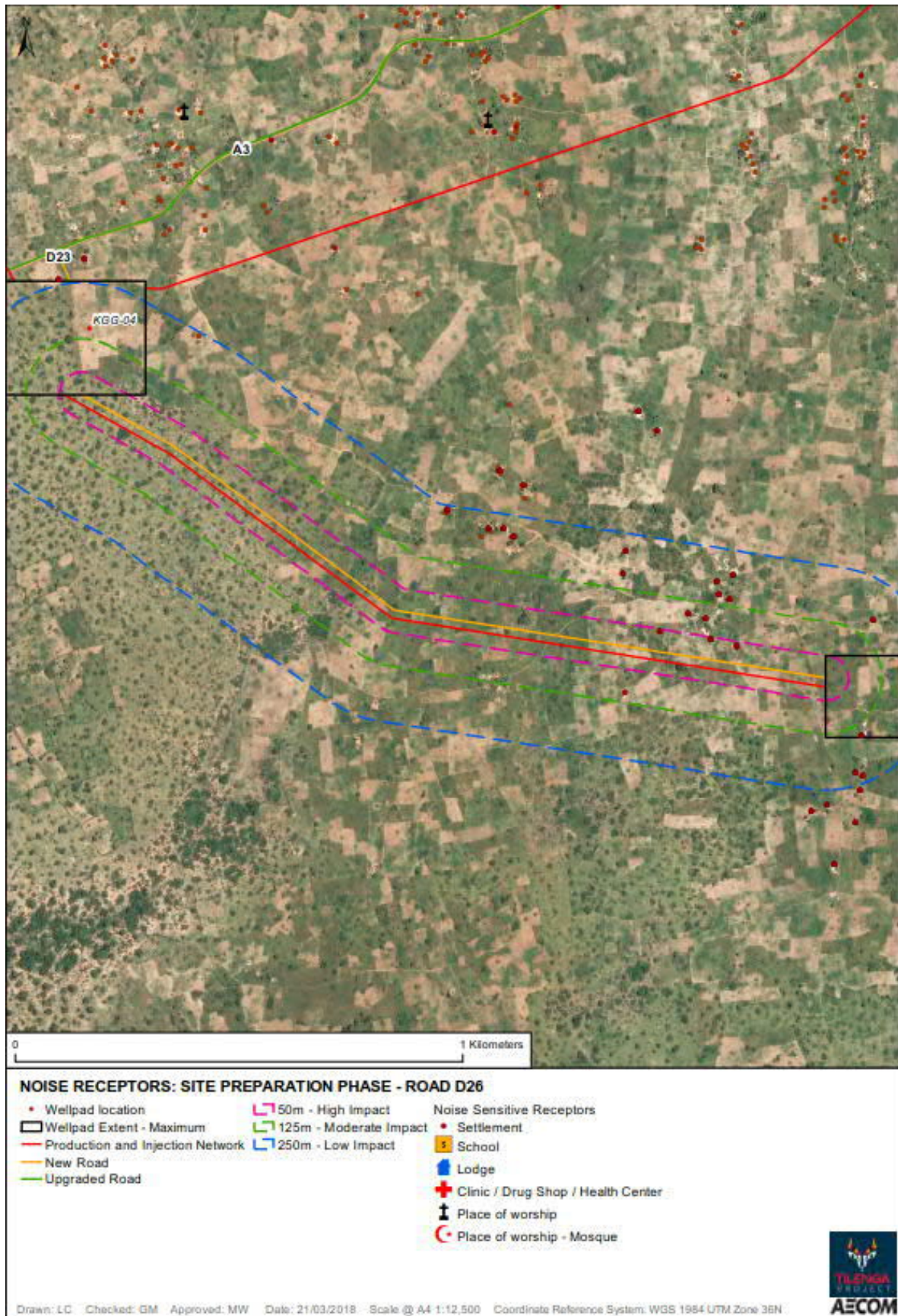




Figure I2-70: Road Construction Receptor Analysis – Road D27

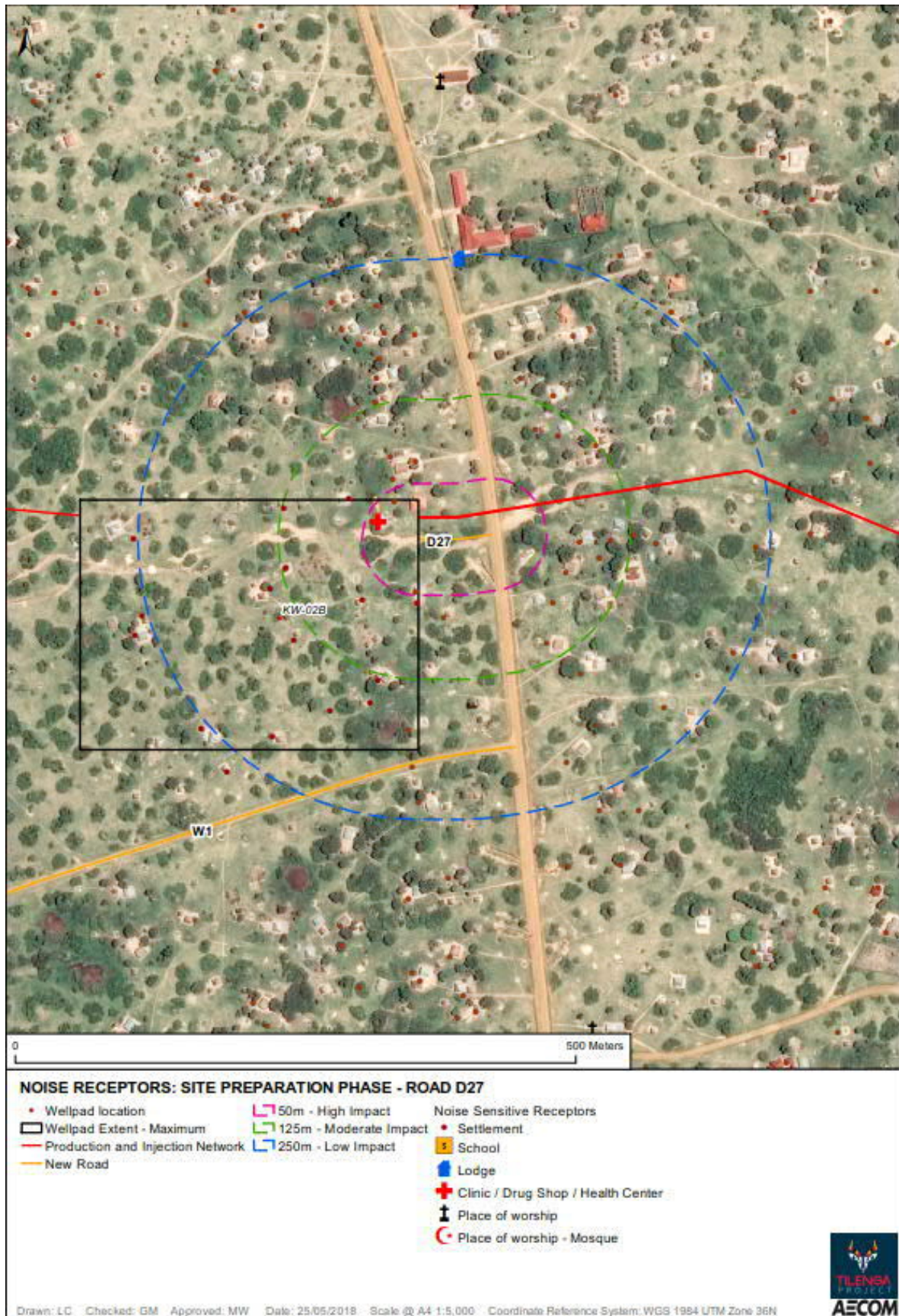




Figure I2-71: Road Construction Receptor Analysis – Road D3

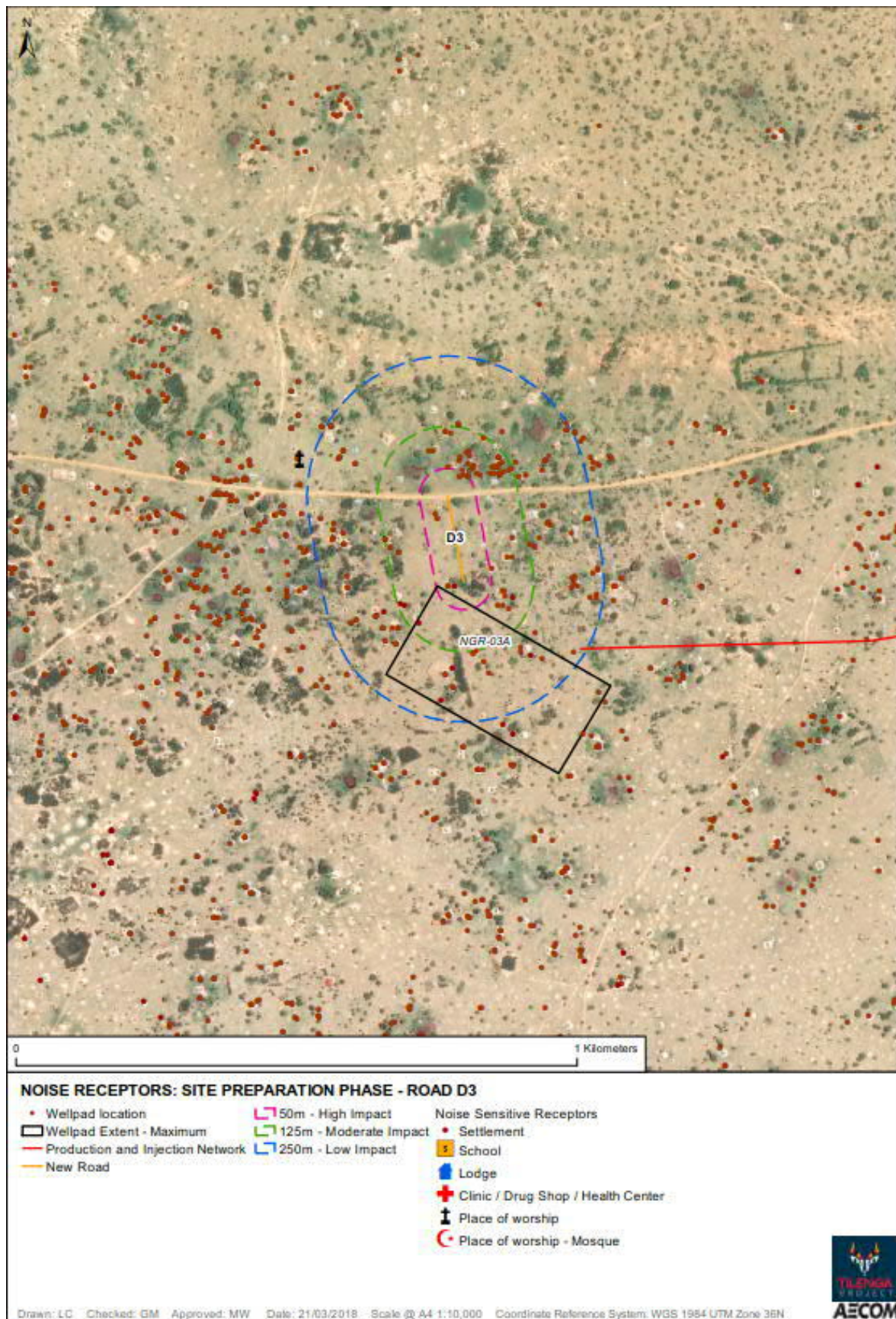




Figure I2-72: Road Construction Receptor Analysis – Road D5

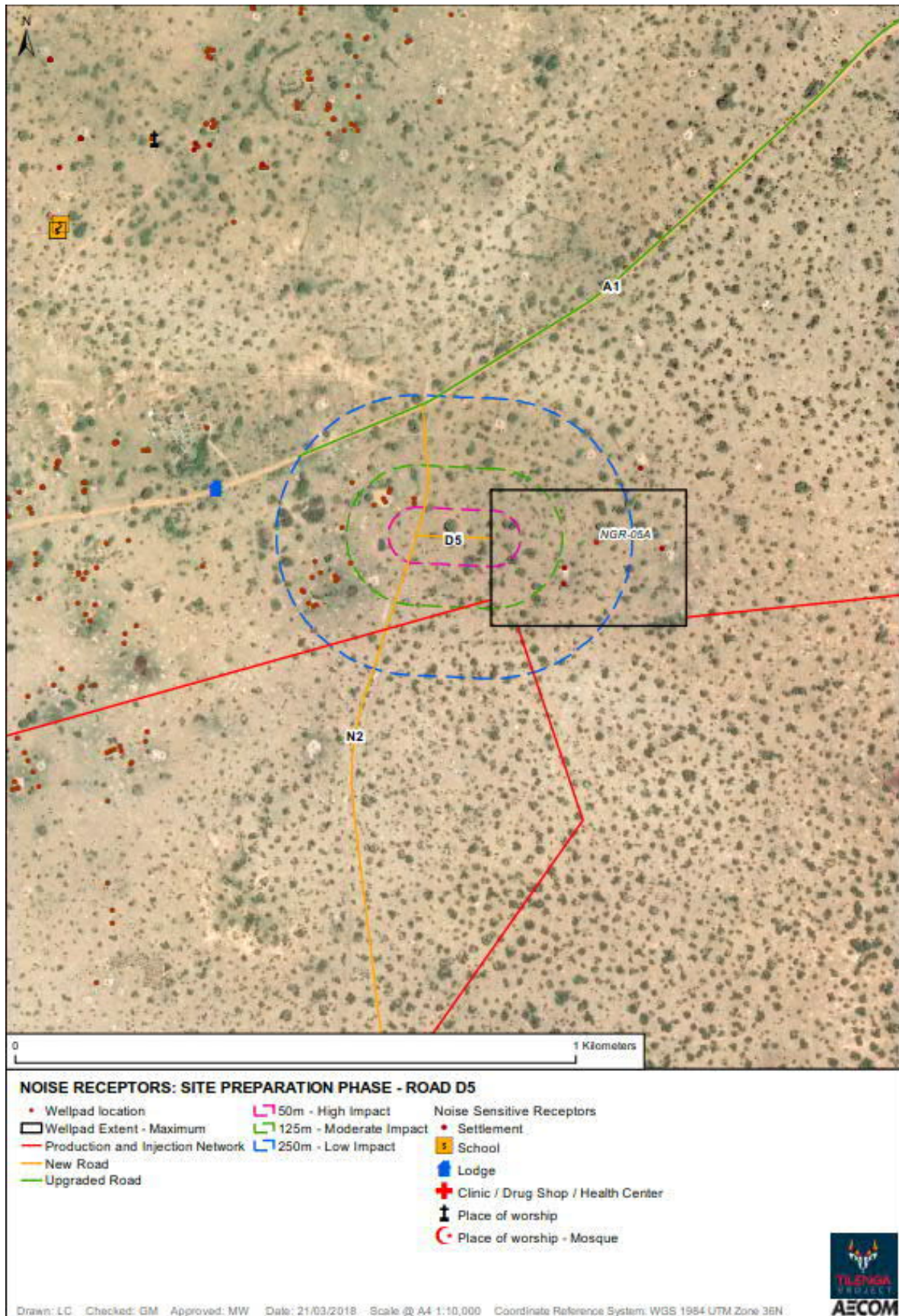




Figure I2-73: Road Construction Receptor Analysis – Road D6

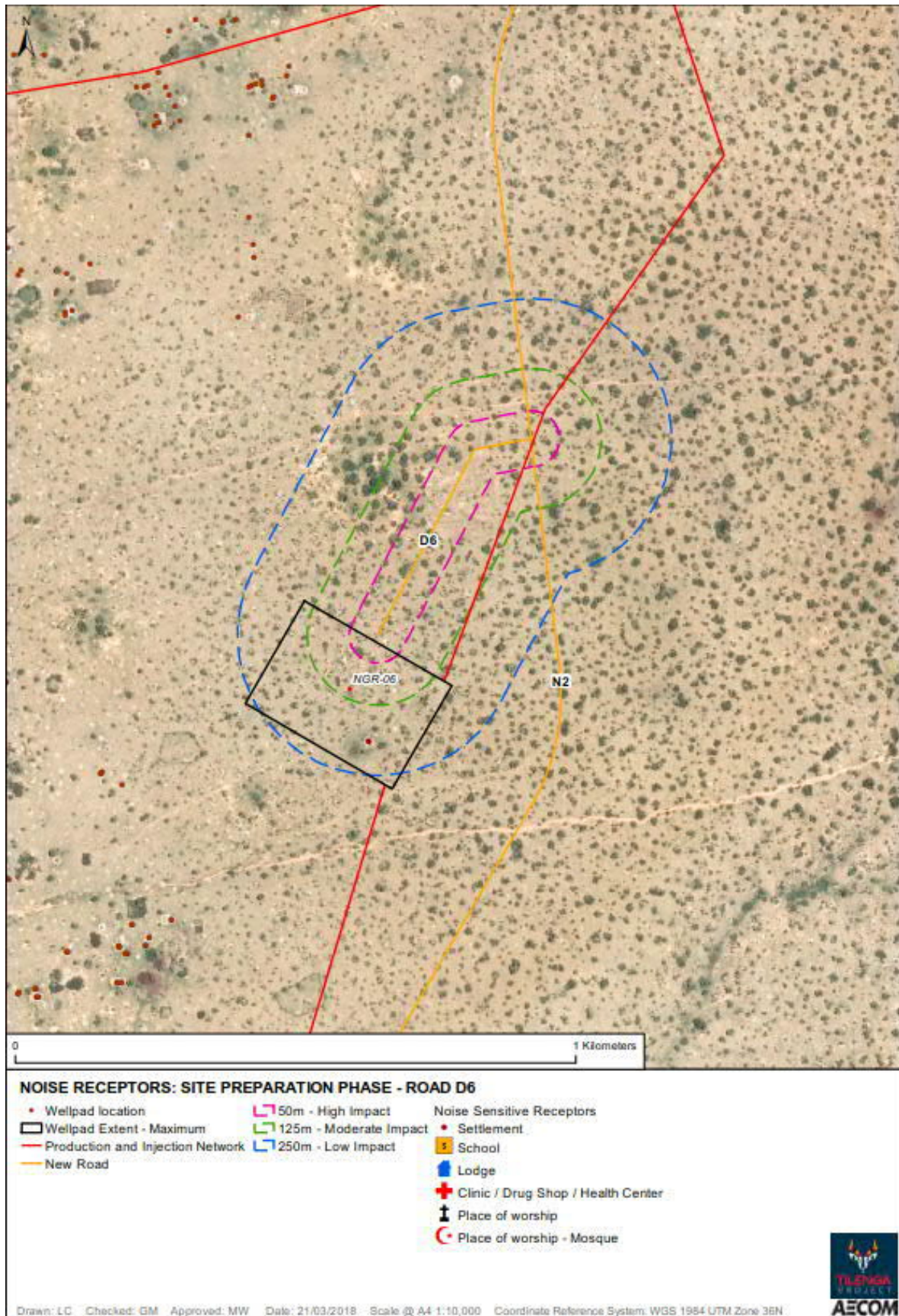




Figure I2-74: Road Construction Receptor Analysis – Road D8

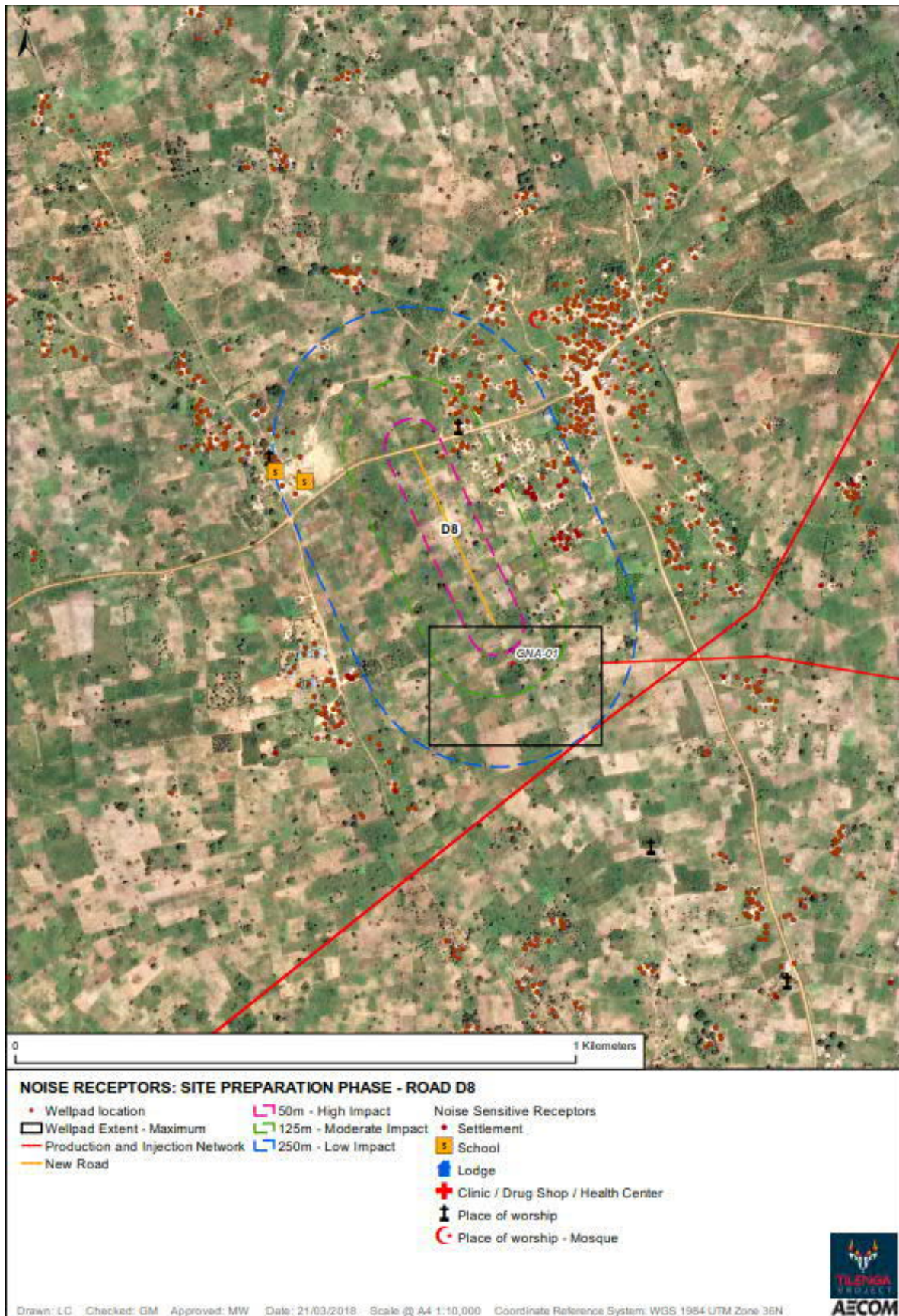




Figure I2-75: Road Construction Receptor Analysis – Road D9

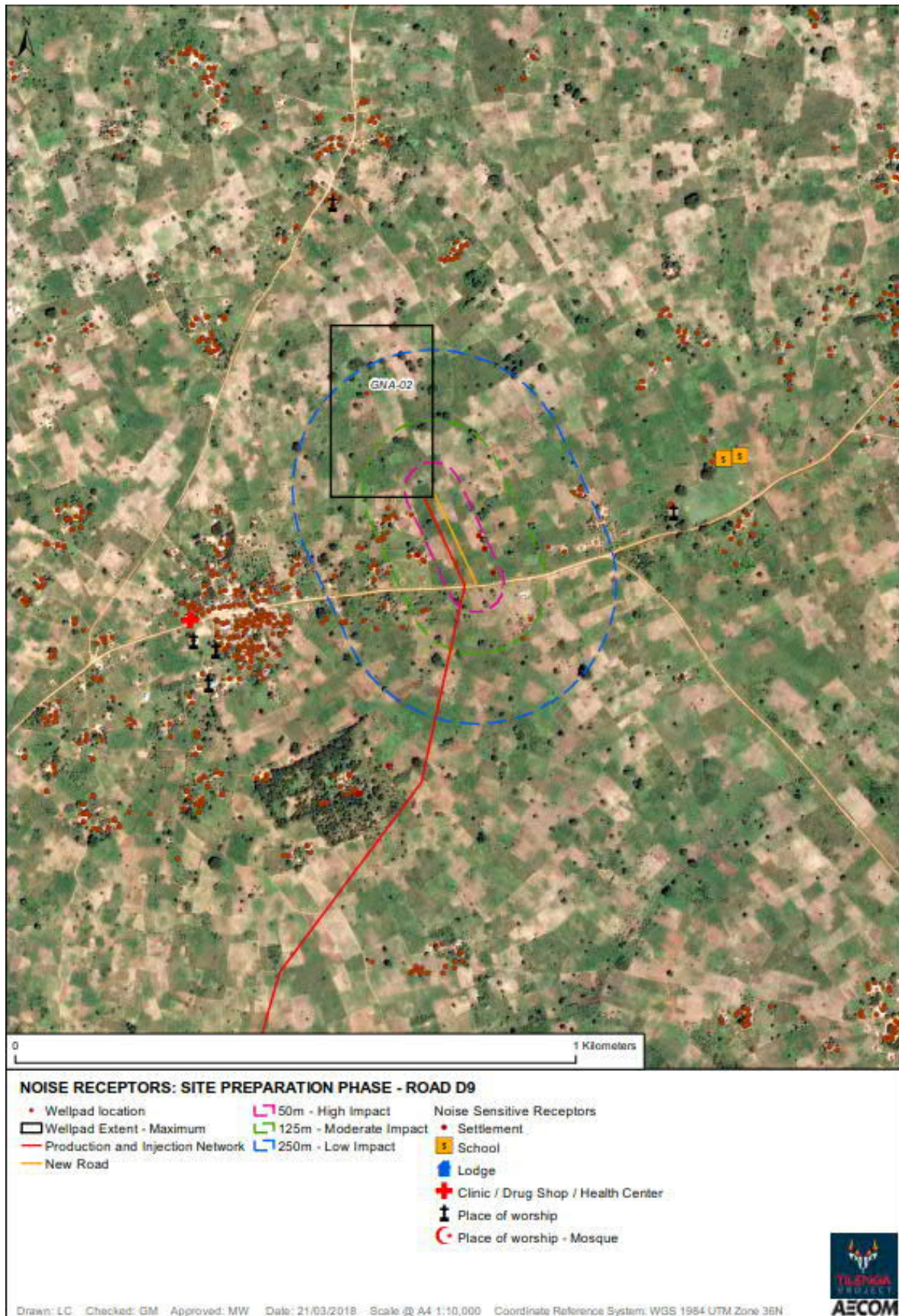




Figure I2-76: Road Construction Receptor Analysis – Road N1

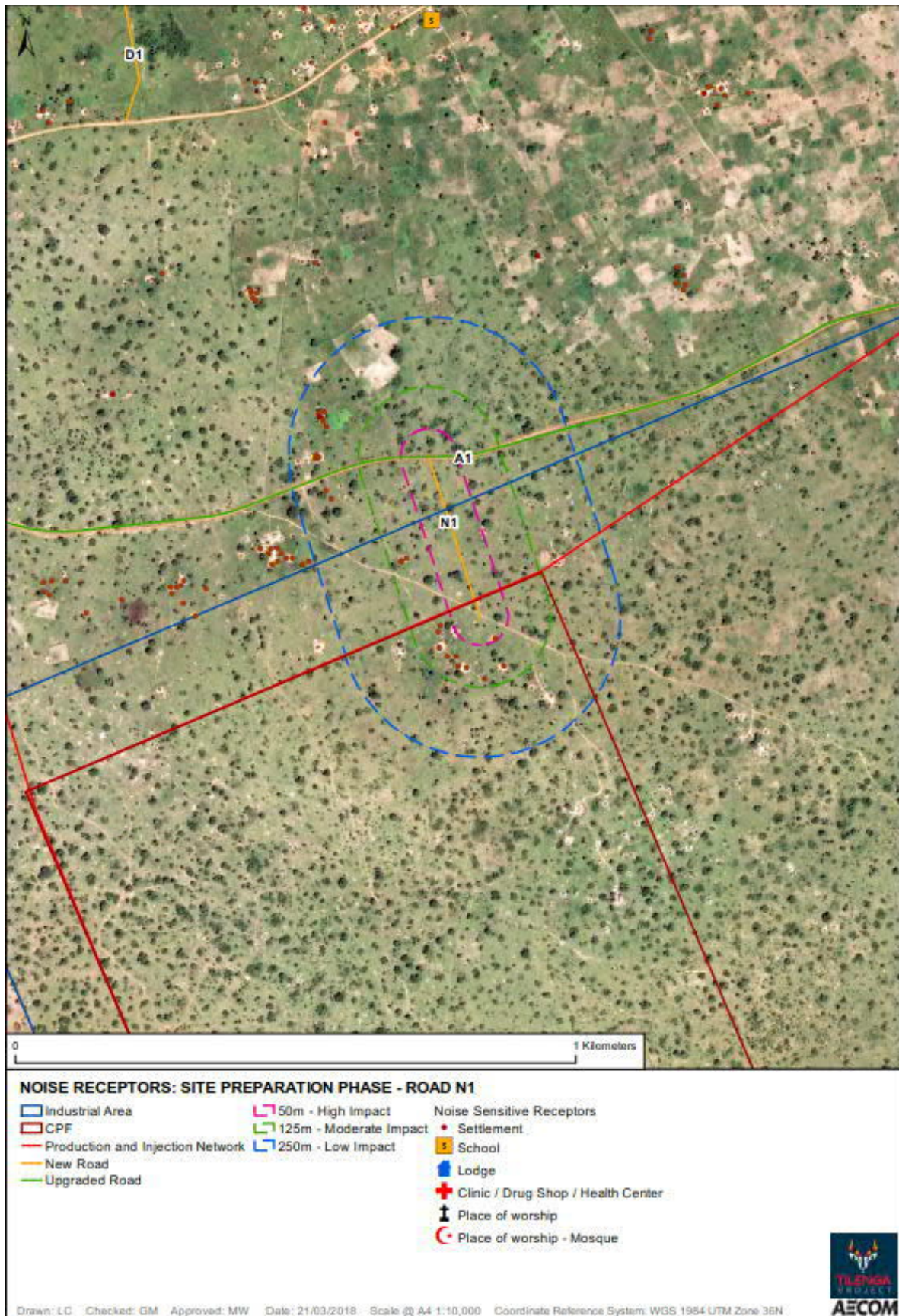




Figure I2-77: Road Construction Receptor Analysis – Road N2

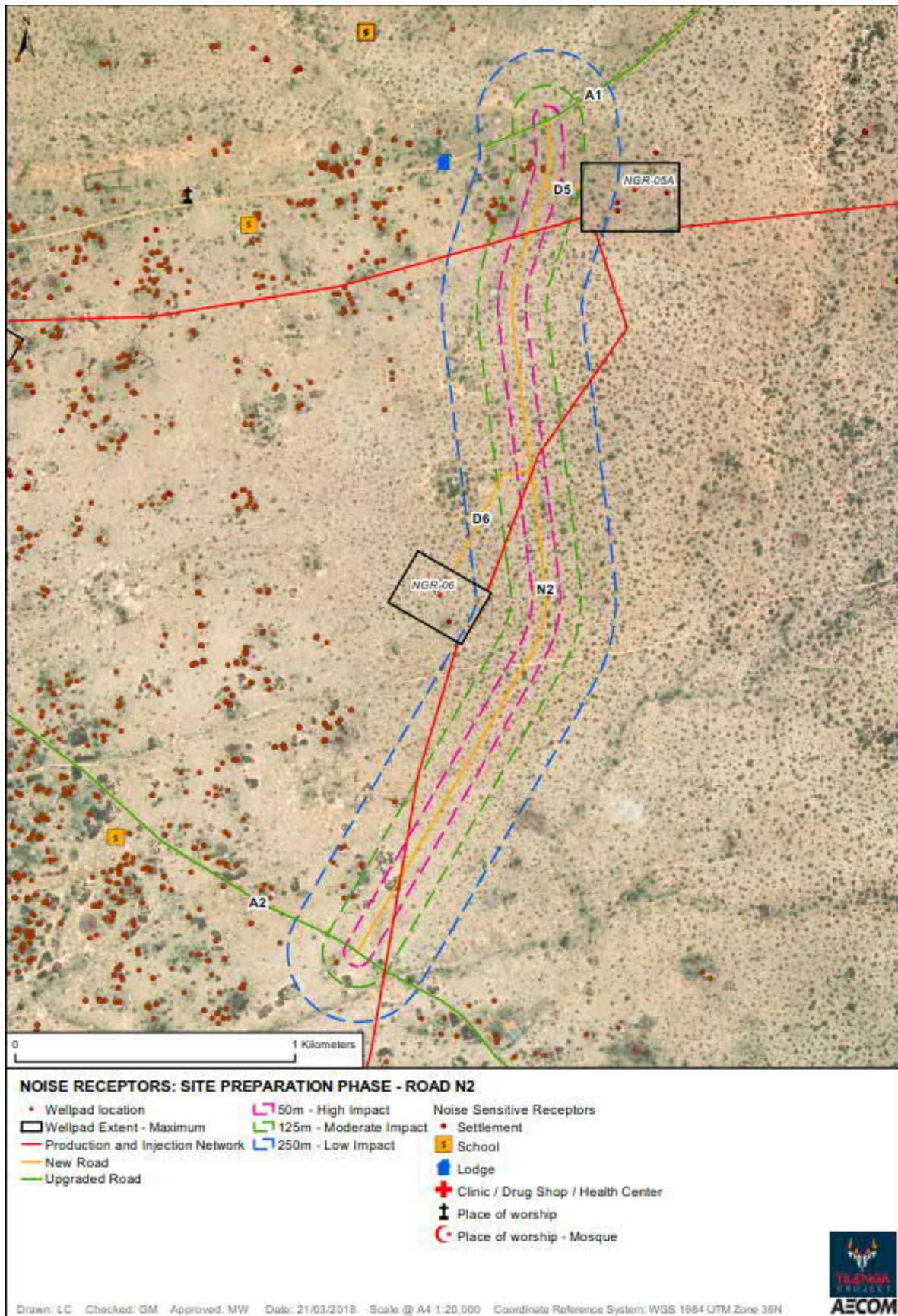
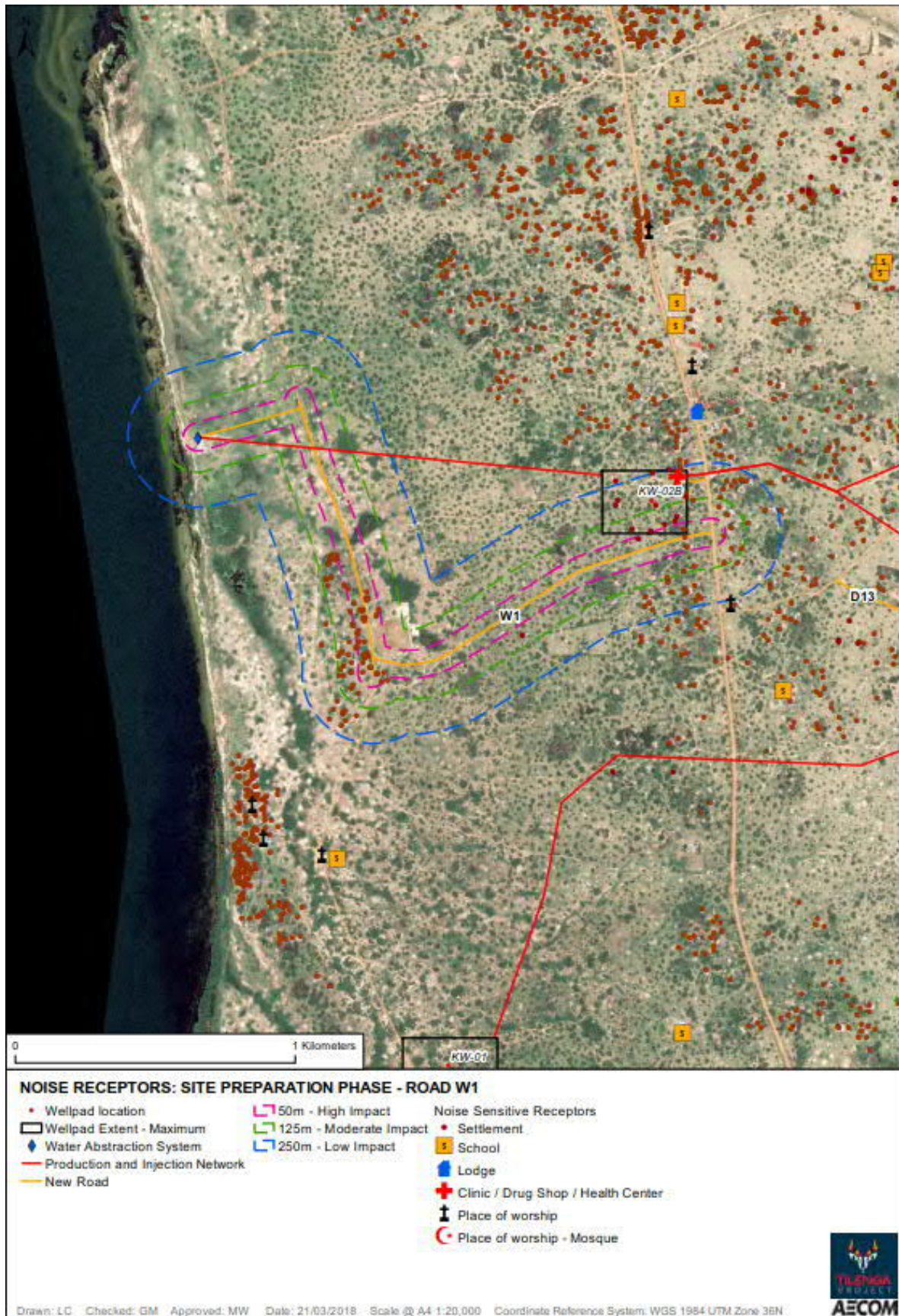




Figure I2-78: Road Construction Receptor Analysis – Road W1





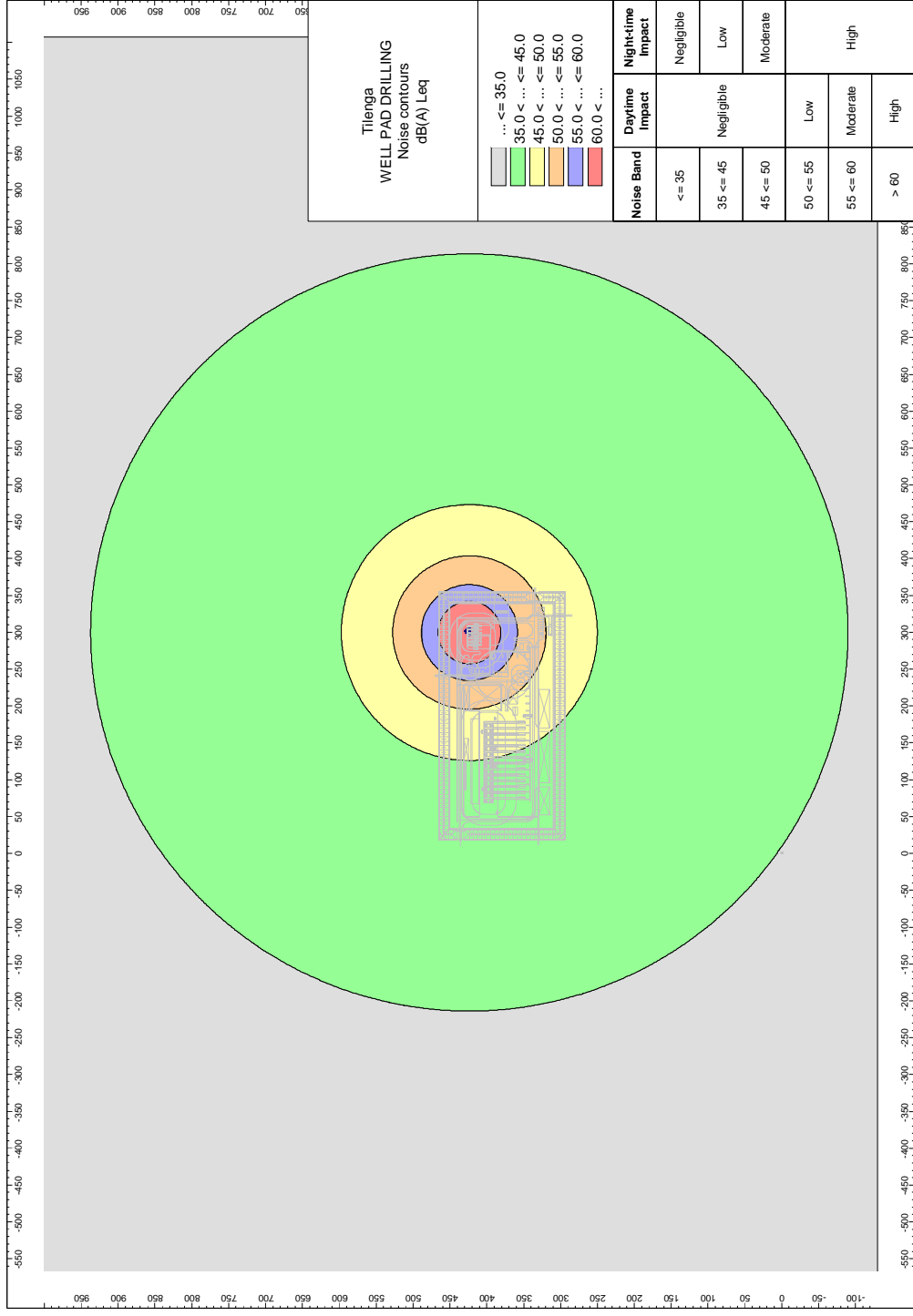
# Appendix 13: Construction and Pre-Commissioning Phase Results

The page features a solid blue background. In the lower-left quadrant, there is an abstract geometric design consisting of several thin white lines that intersect to form a series of overlapping triangles and quadrilaterals. The lines are white and vary in length and orientation, creating a dynamic, modern look.



### Appendix I3. Construction and Pre-Commissioning Phase Noise Contour Plots

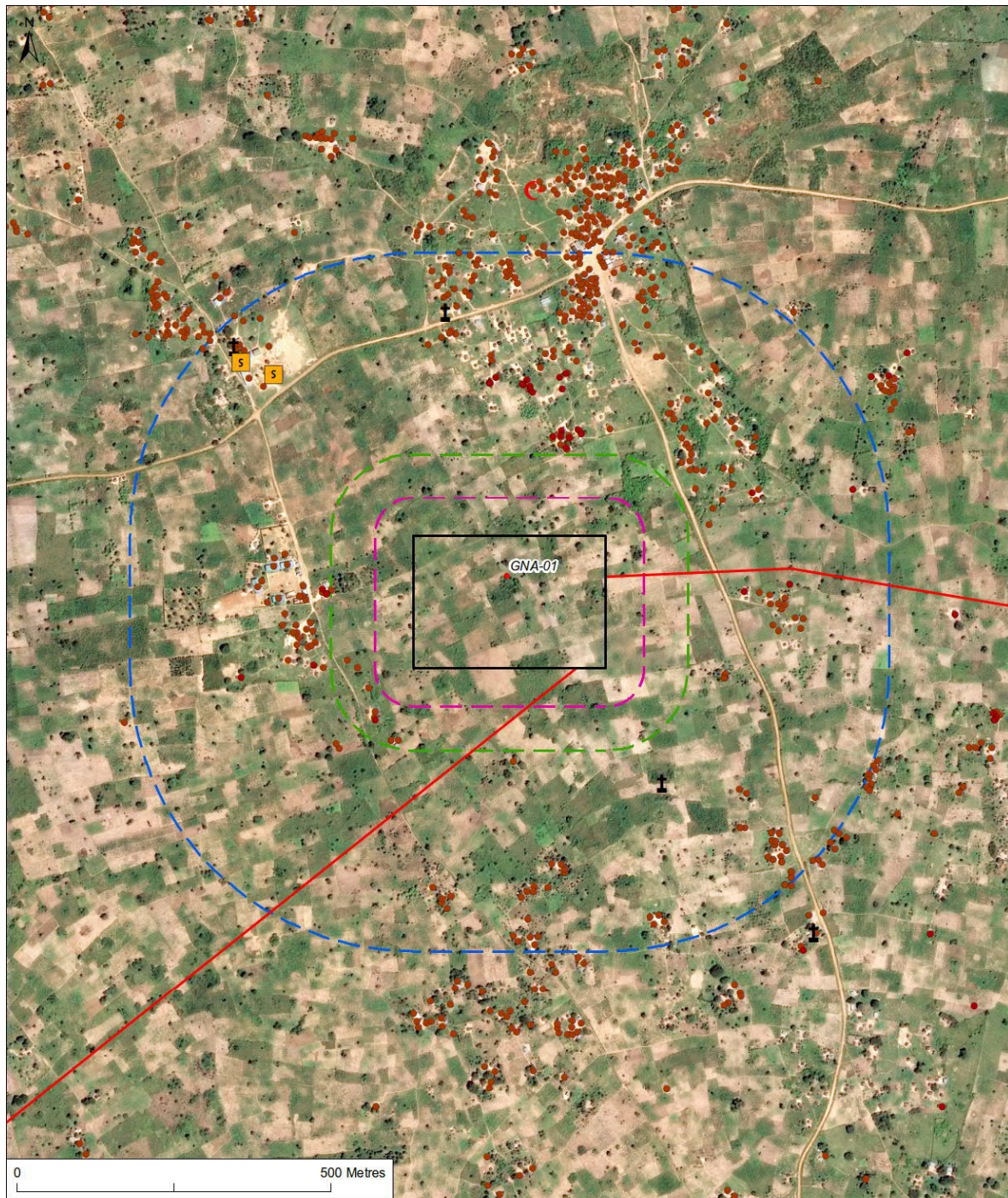
Figure I3-1: Well Pad Drilling Night-time Noise Contours



The assessment of noise due to well drilling works is presented in Section 7.6.4.2.3



Figure I3-2: GNA-01 Night-time Well Pad Drilling Receptor Analysis



**NOISE RECEPTORS: SITE CONSTRUCTION AND PRE COM PHASE - GNA-01**

- Wellpad location
- ◻ Wellpad Extent - Maximum
- Production and Injection Network
- ◻ 60m - High Impact
- ◻ 130m - Moderate Impact
- ◻ 450m - Low Impact
- Noise Sensitive Receptors
- Settlement
- S School
- 🏠 Lodge
- ✚ Clinic / Drug Shop / Health Center
- ⚓ Place of worship
- ☪ Place of worship - Mosque

Drawn: LC Checked: GM Approved: MW Date: 04/02/2019 Scale @ A4 1:10,000 Coordinate Reference System: WGS 1984 UTM Zone 36N





Figure I3-3: GNA-02 Night-time Well Pad Drilling Receptor Analysis

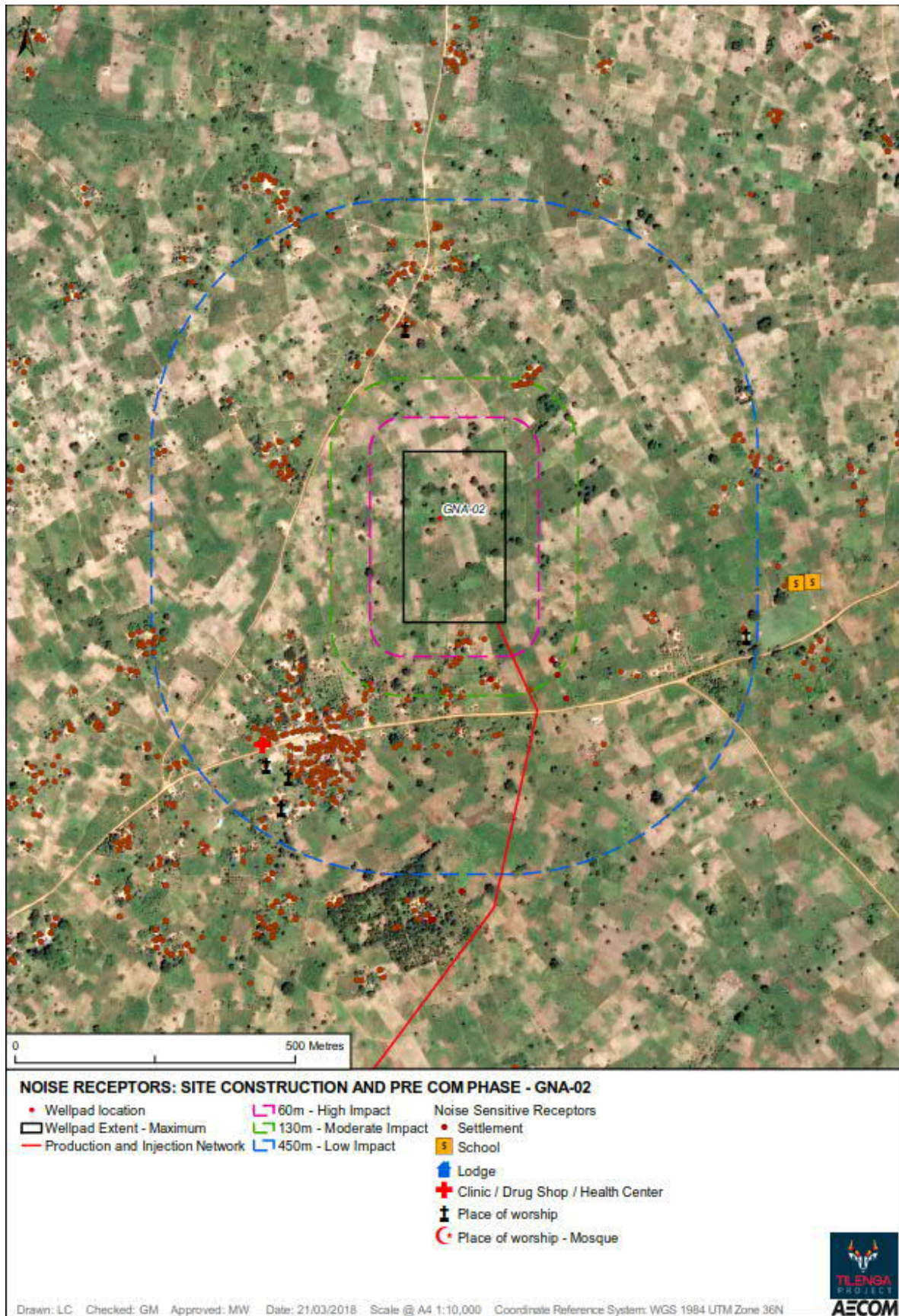




Figure I3-4: GNA-03 Night-time Well Pad Drilling Receptor Analysis

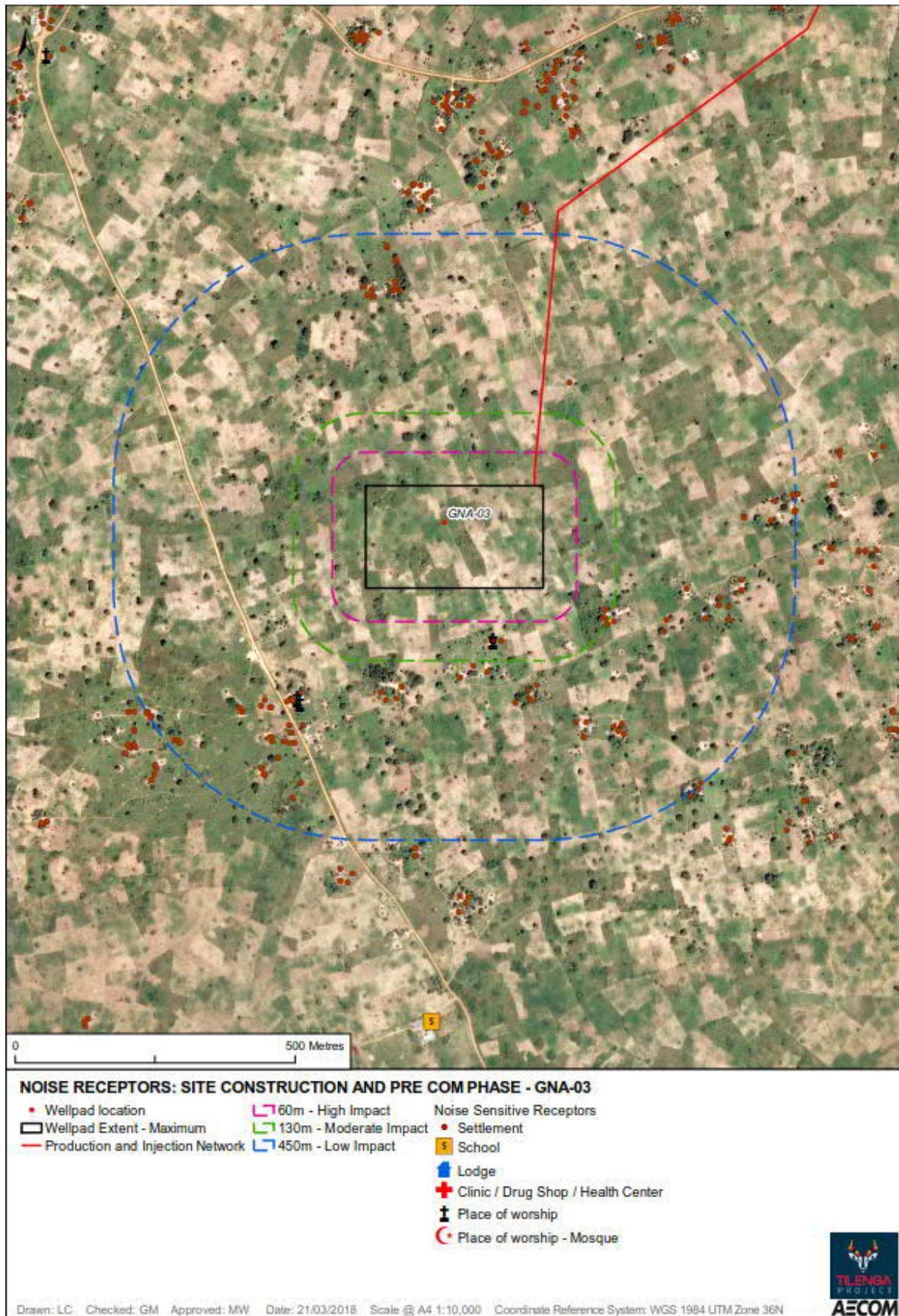




Figure I3-5: GNA-04 Night-time Well Pad Drilling Receptor Analysis

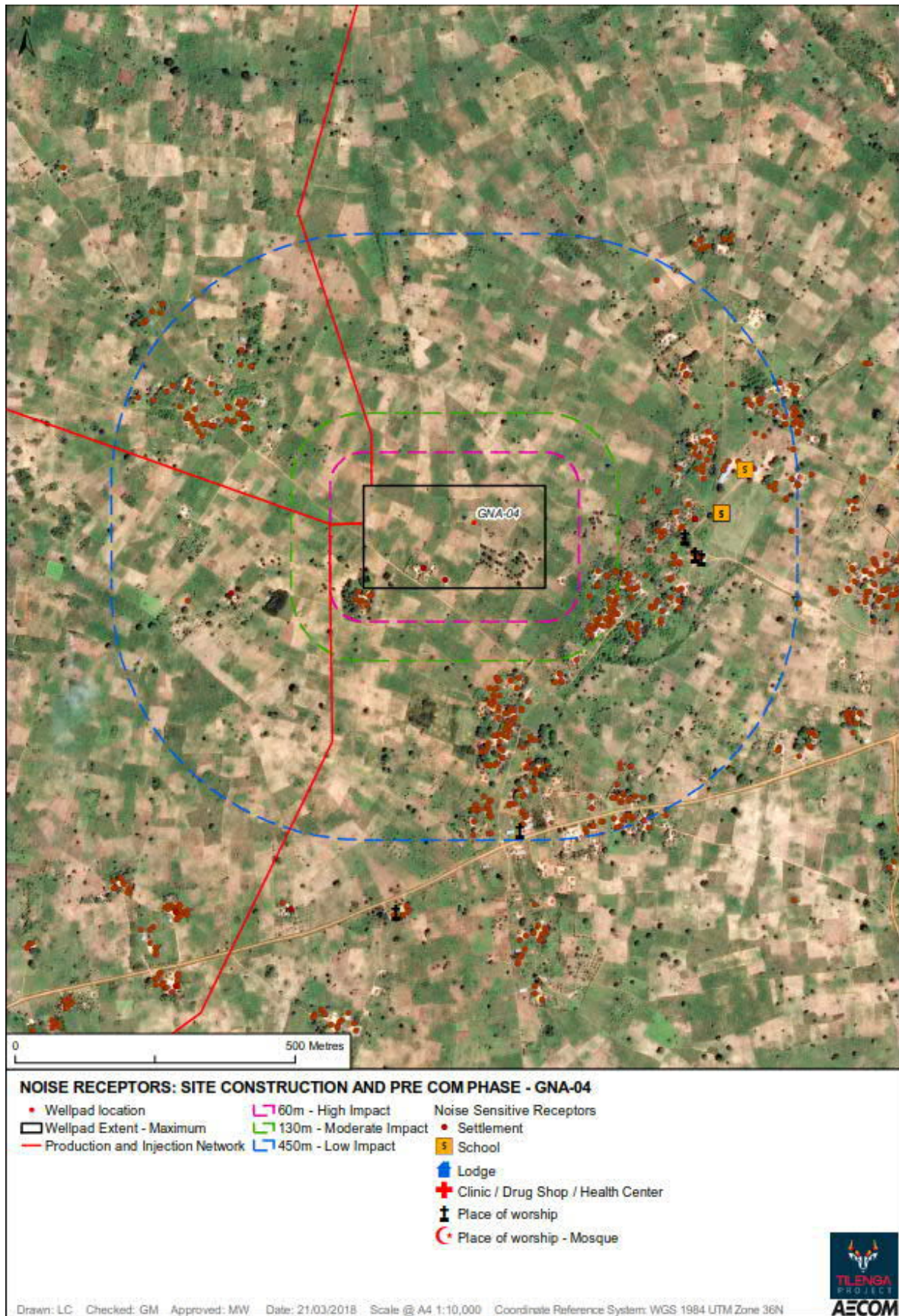




Figure I3-6: JBR-01 Night-time Well Pad Drilling Receptor Analysis

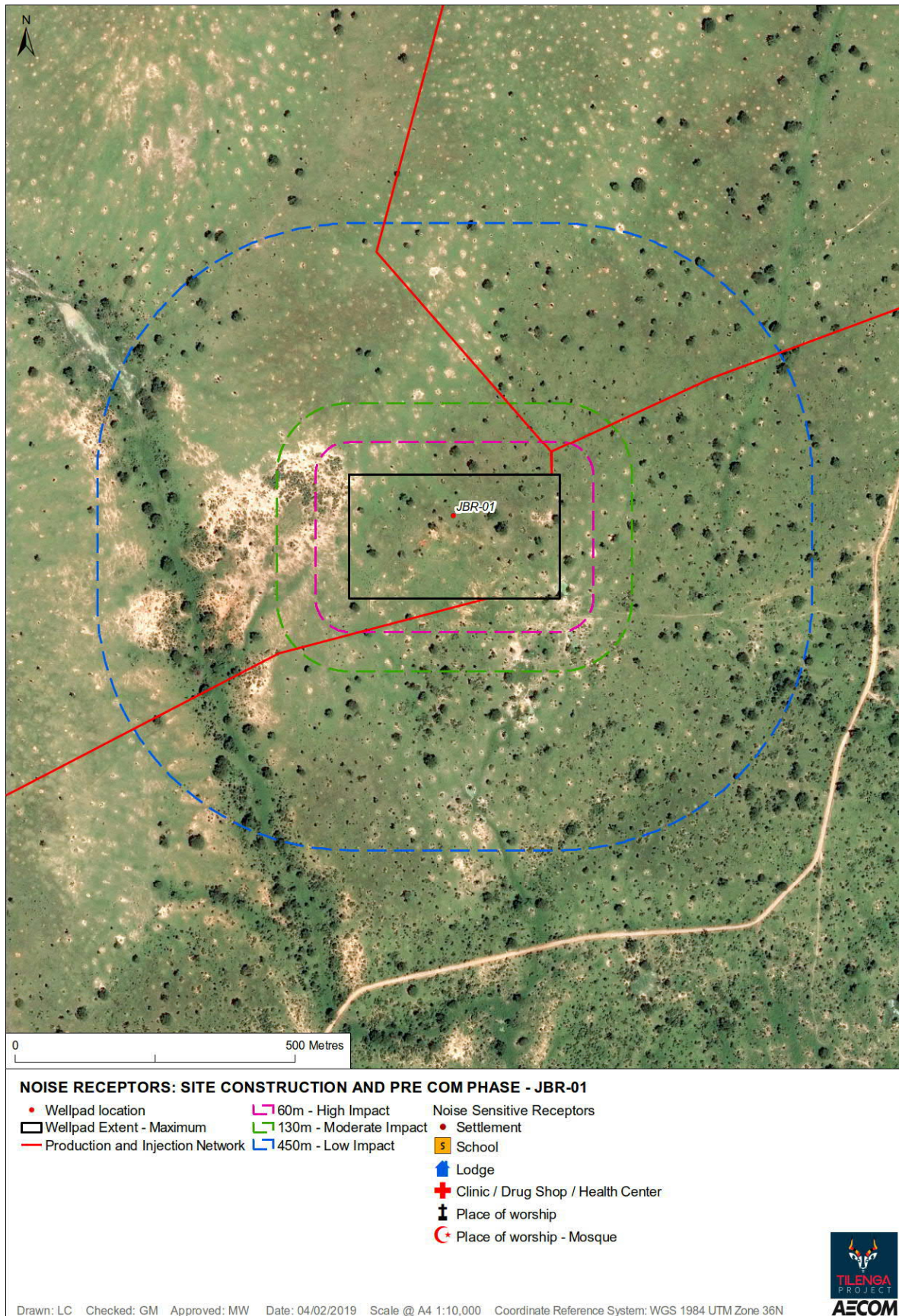




Figure I3-7: JBR-02 Night-time Well Pad Drilling Receptor Analysis

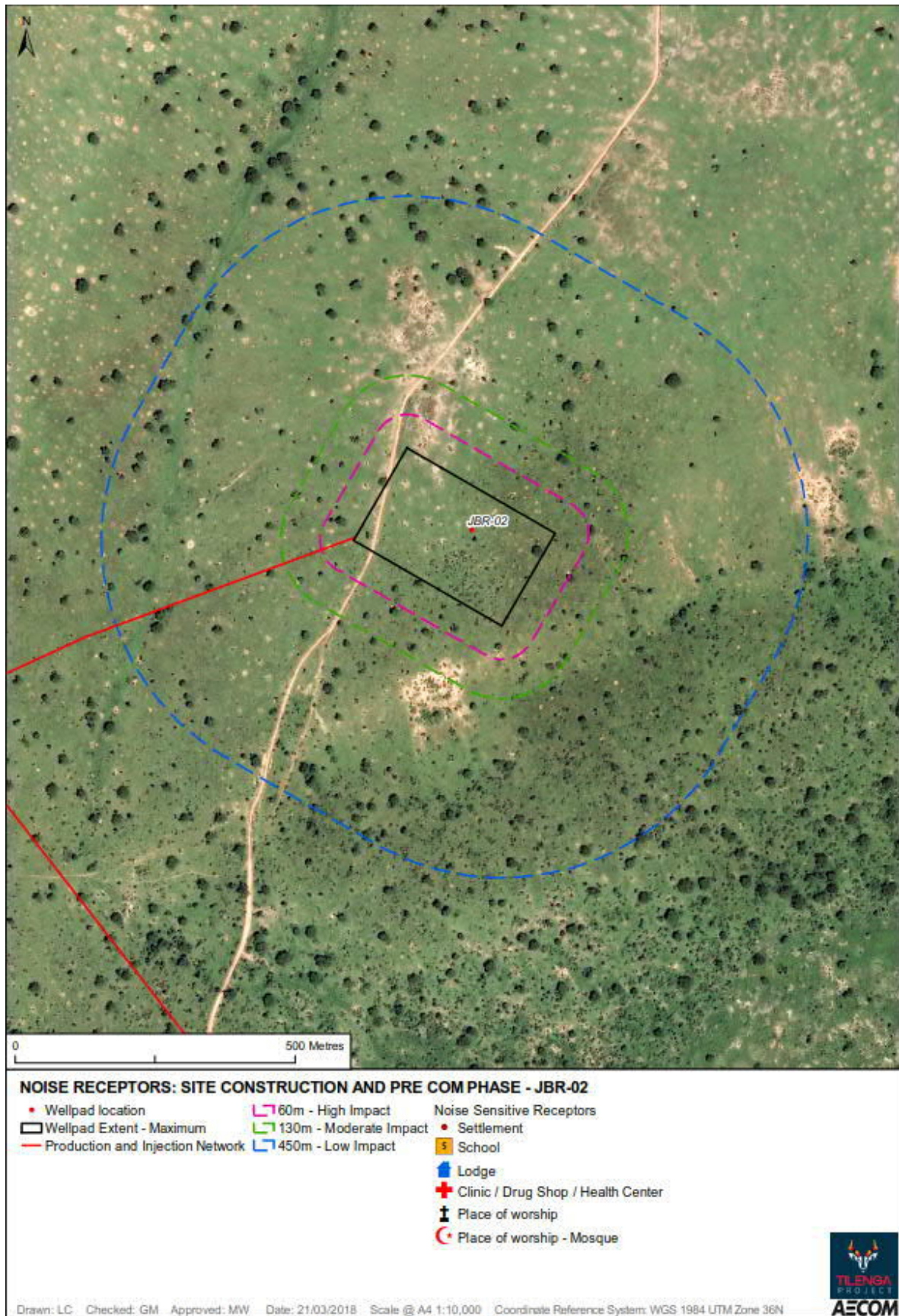




Figure I3-8: JBR-03 Night-time Well Pad Drilling Receptor Analysis

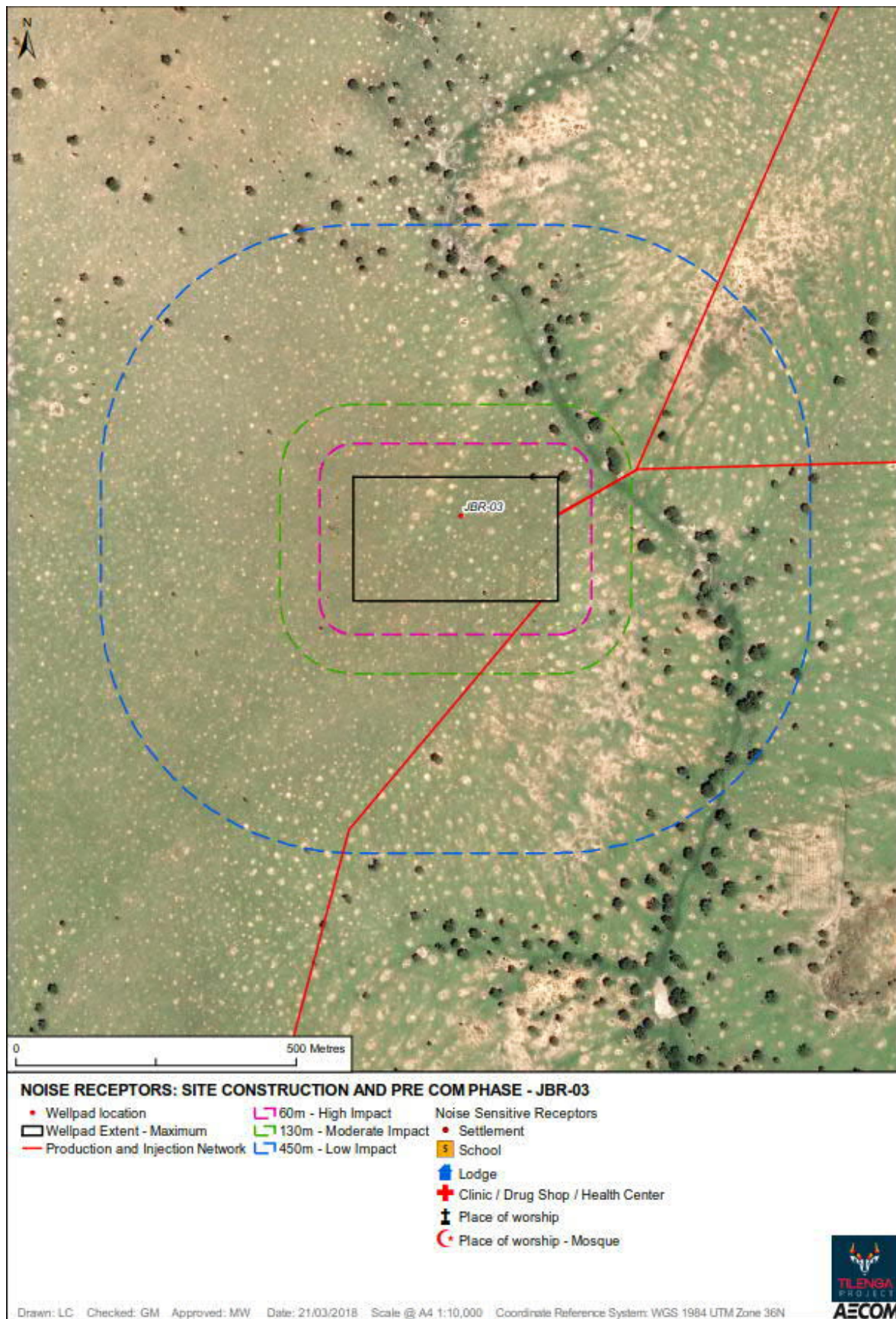




Figure I3-9: JBR-04 Night-time Well Pad Drilling Receptor Analysis

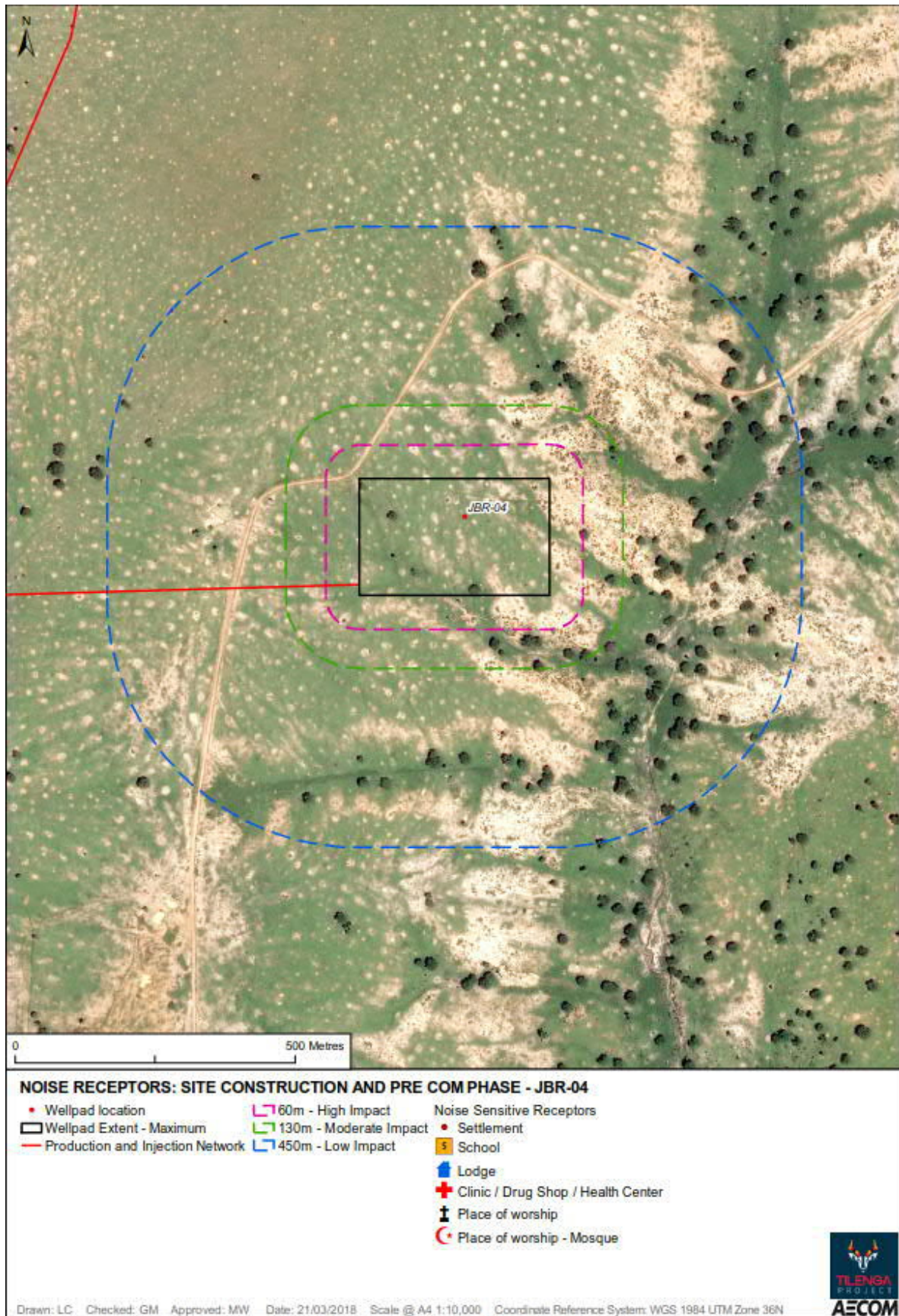




Figure I3-10: JBR-05 Night-time Well Pad Drilling Receptor Analysis

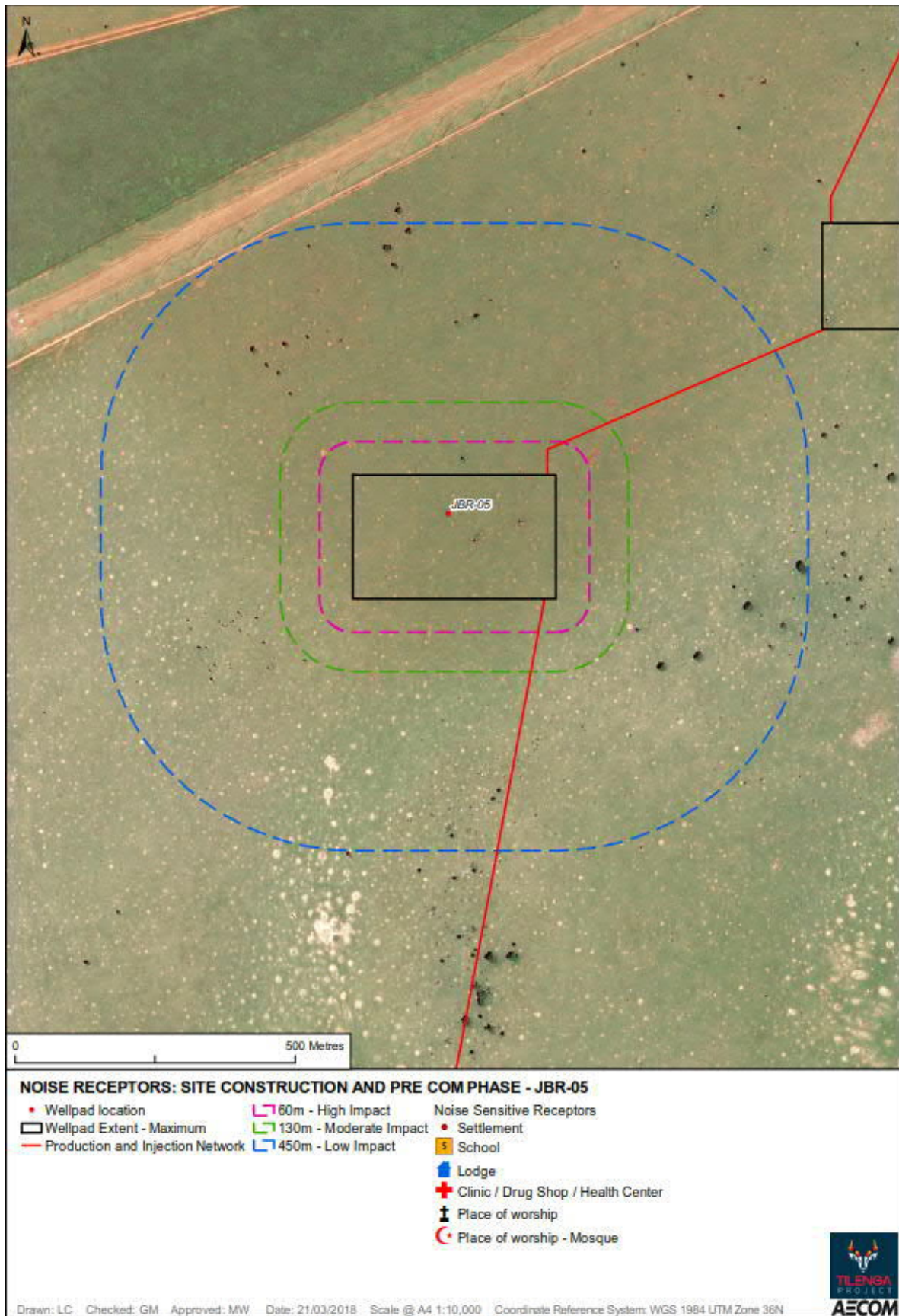




Figure I3-11: JBR-06 Night-time Well Pad Drilling Receptor Analysis

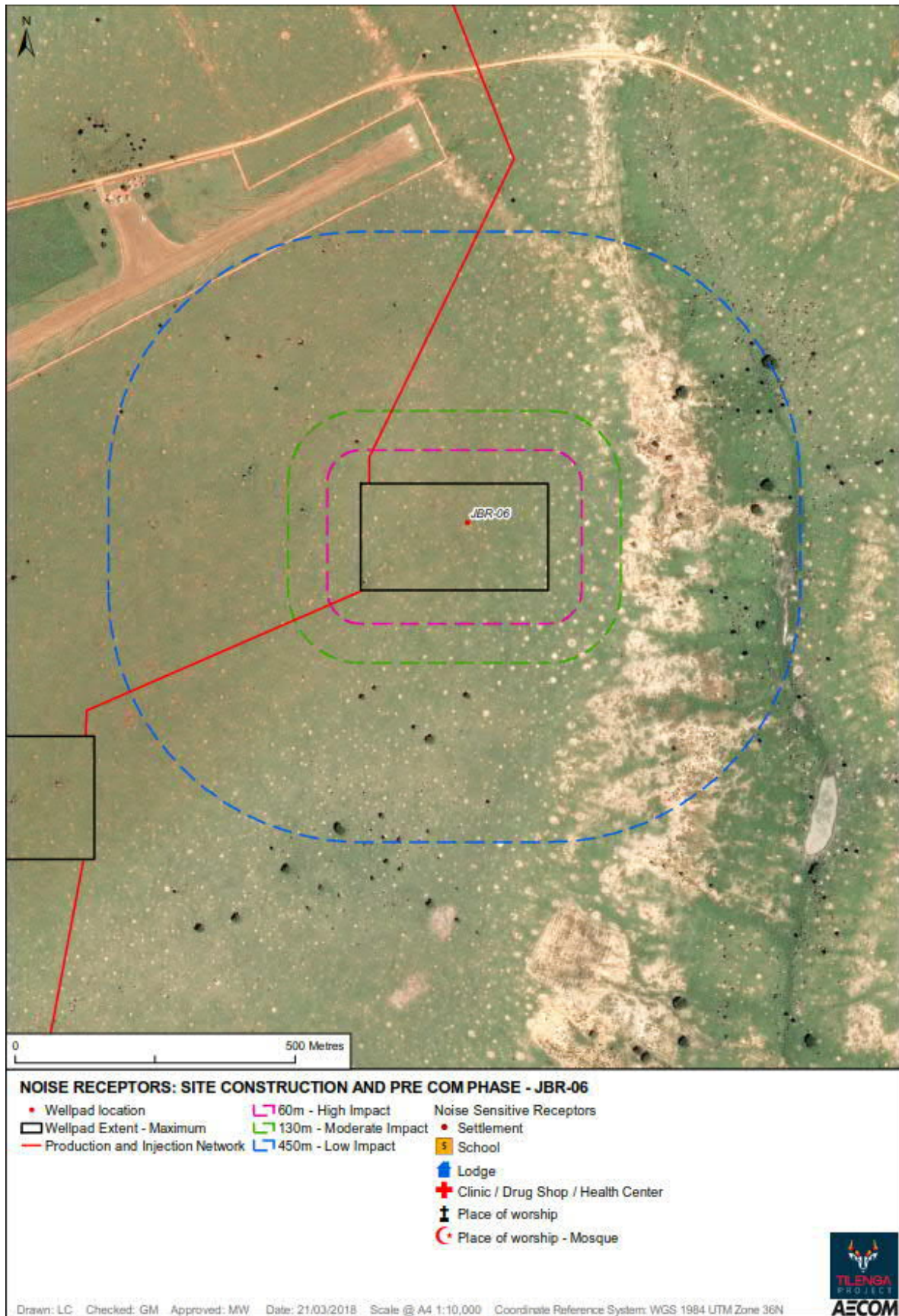




Figure I3-12: JBR-07 Night-time Well Pad Drilling Receptor Analysis

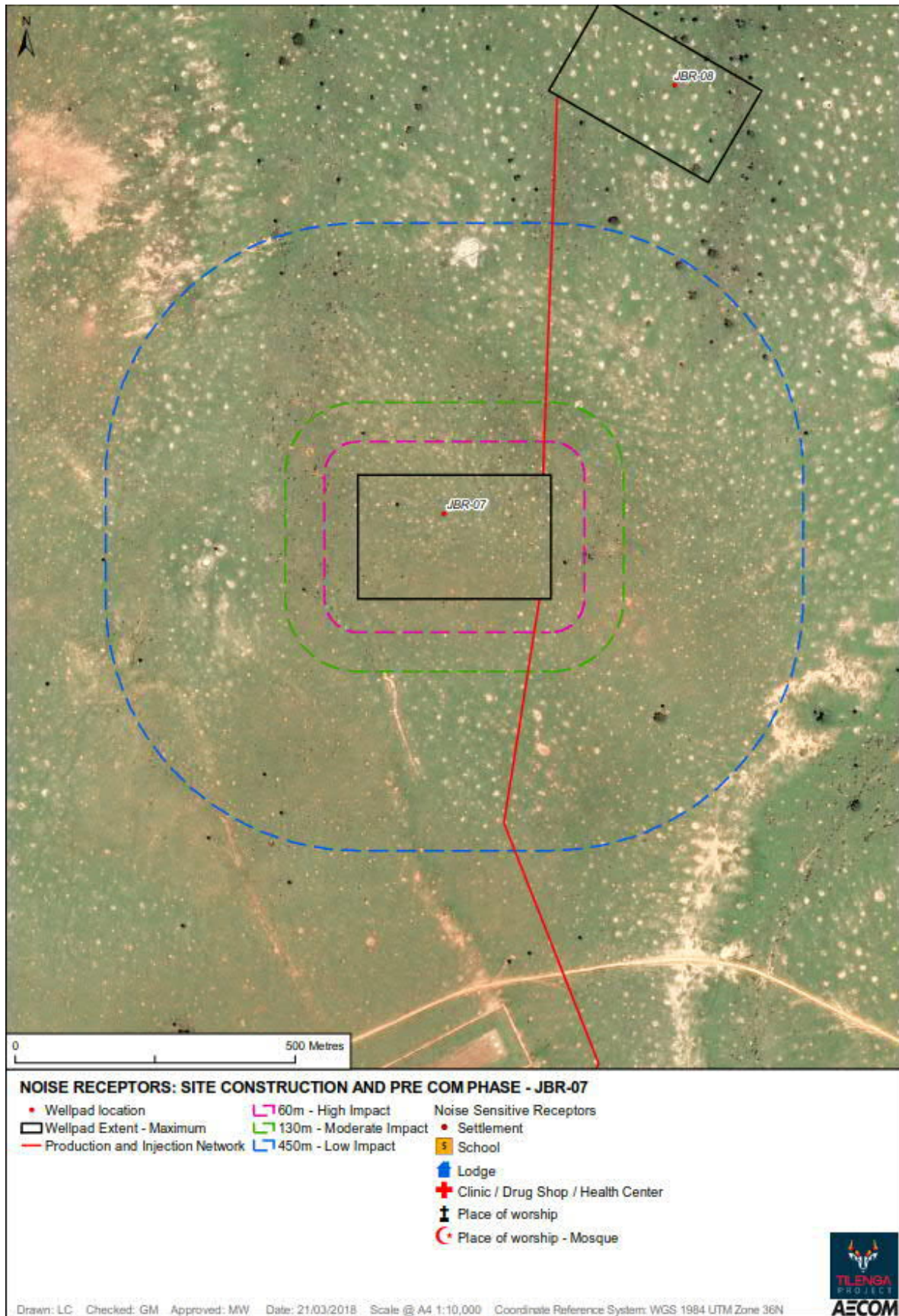




Figure I3-13: JBR-08 Night-time Well Pad Drilling Receptor Analysis

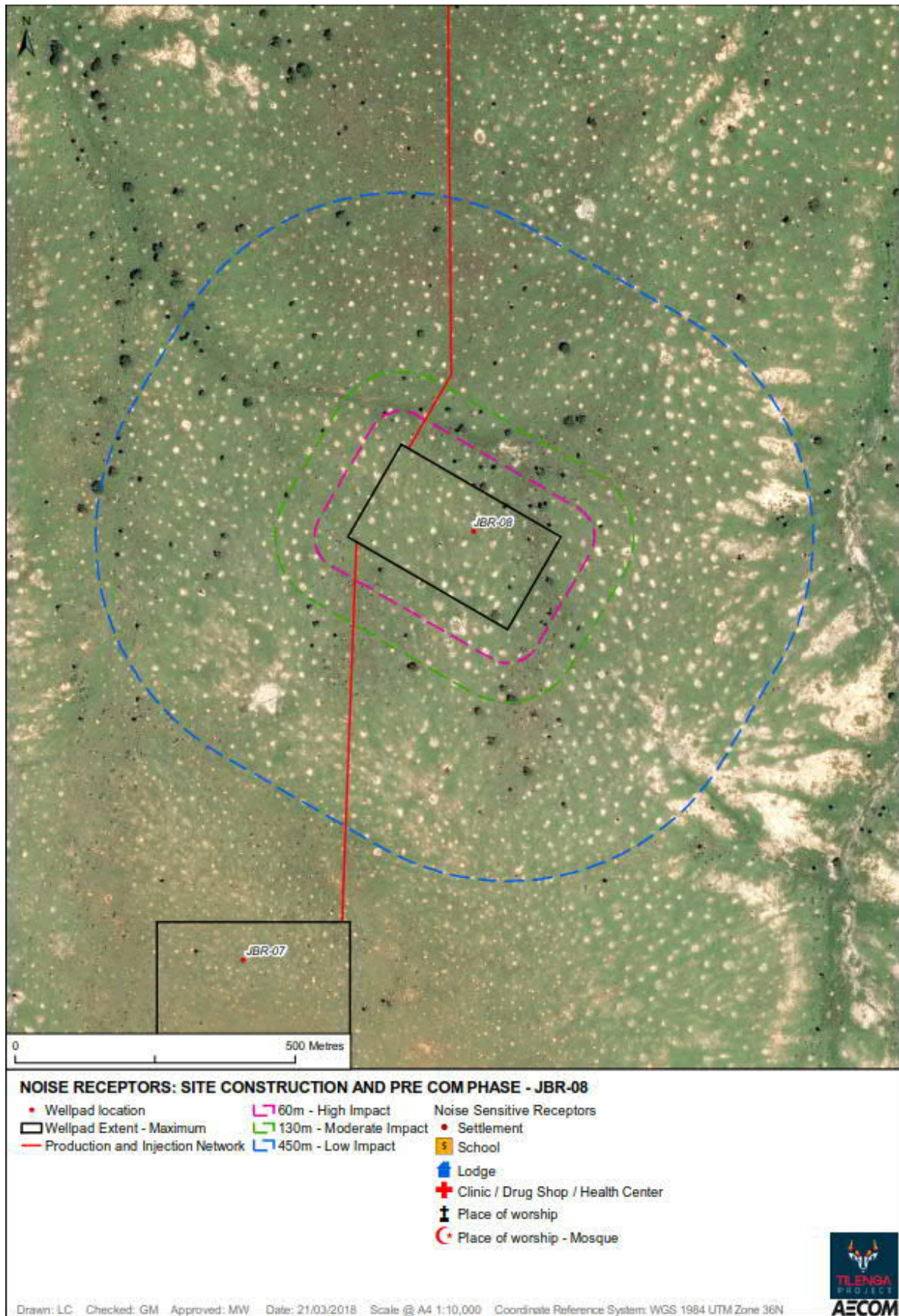




Figure I3-14: JBR-09 Night-time Well Pad Drilling Receptor Analysis

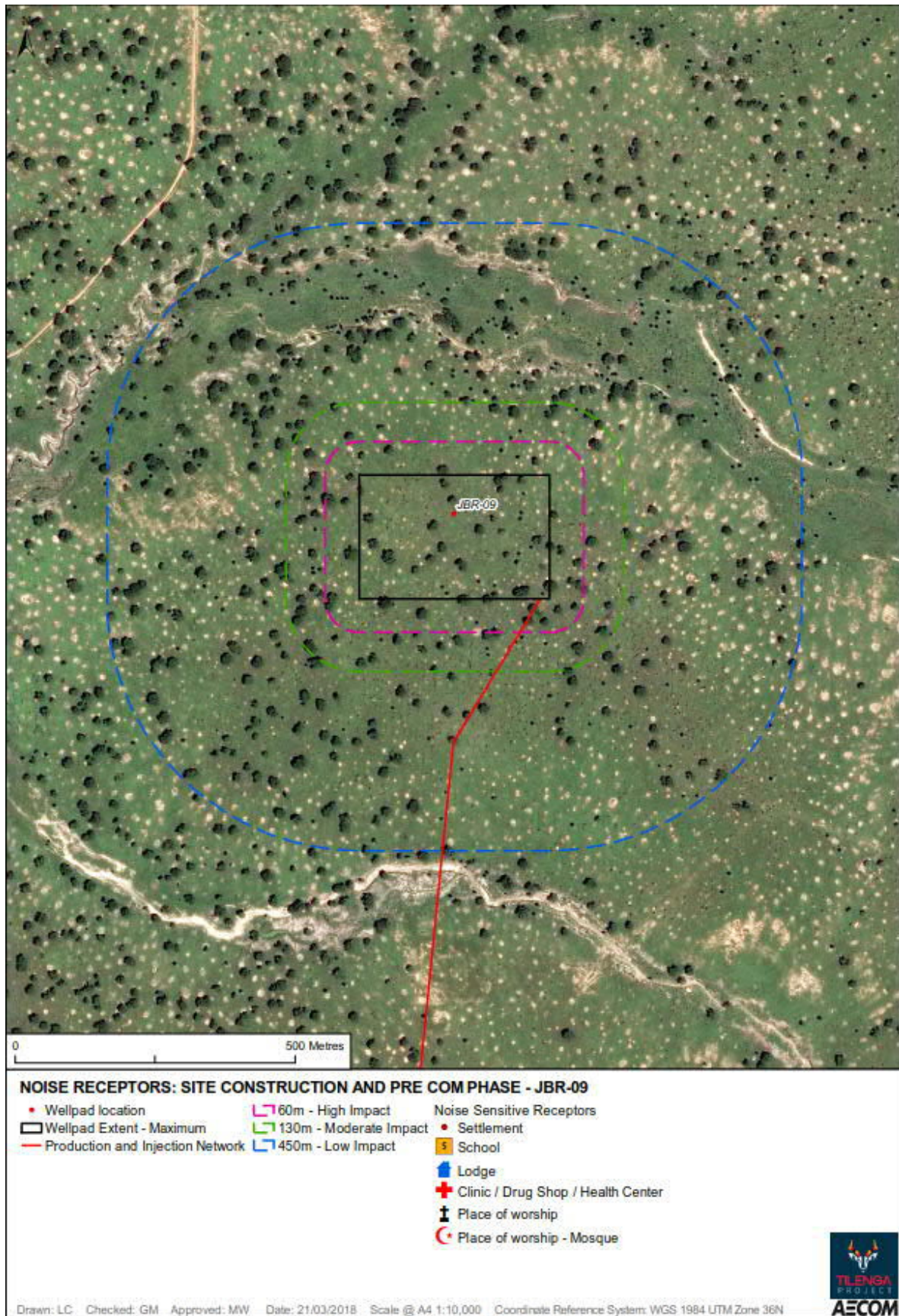




Figure I3-15: JBR-10 Night-time Well Pad Drilling Receptor Analysis

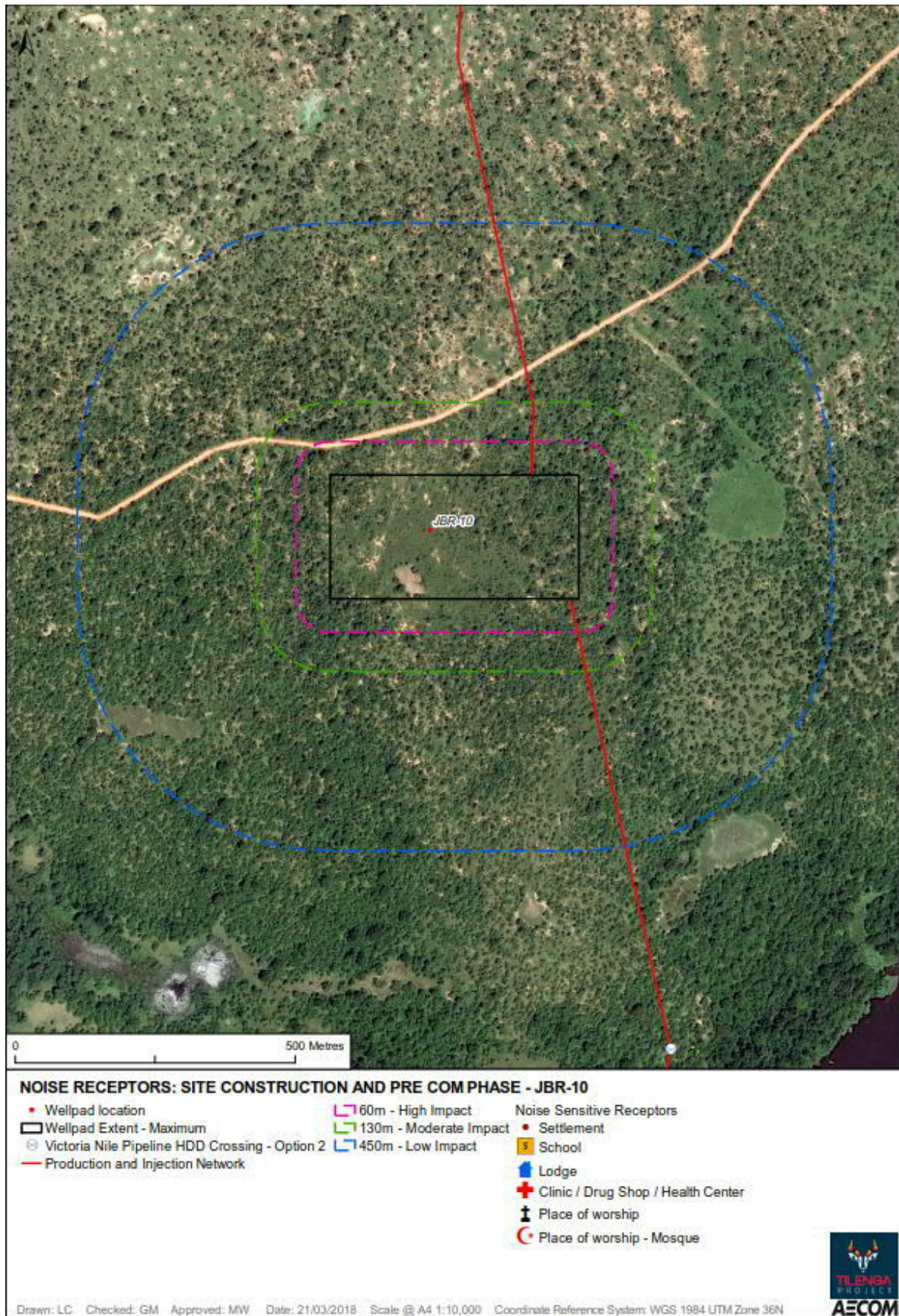




Figure I3-16: KGG-01 Night-time Well Pad Drilling Receptor Analysis

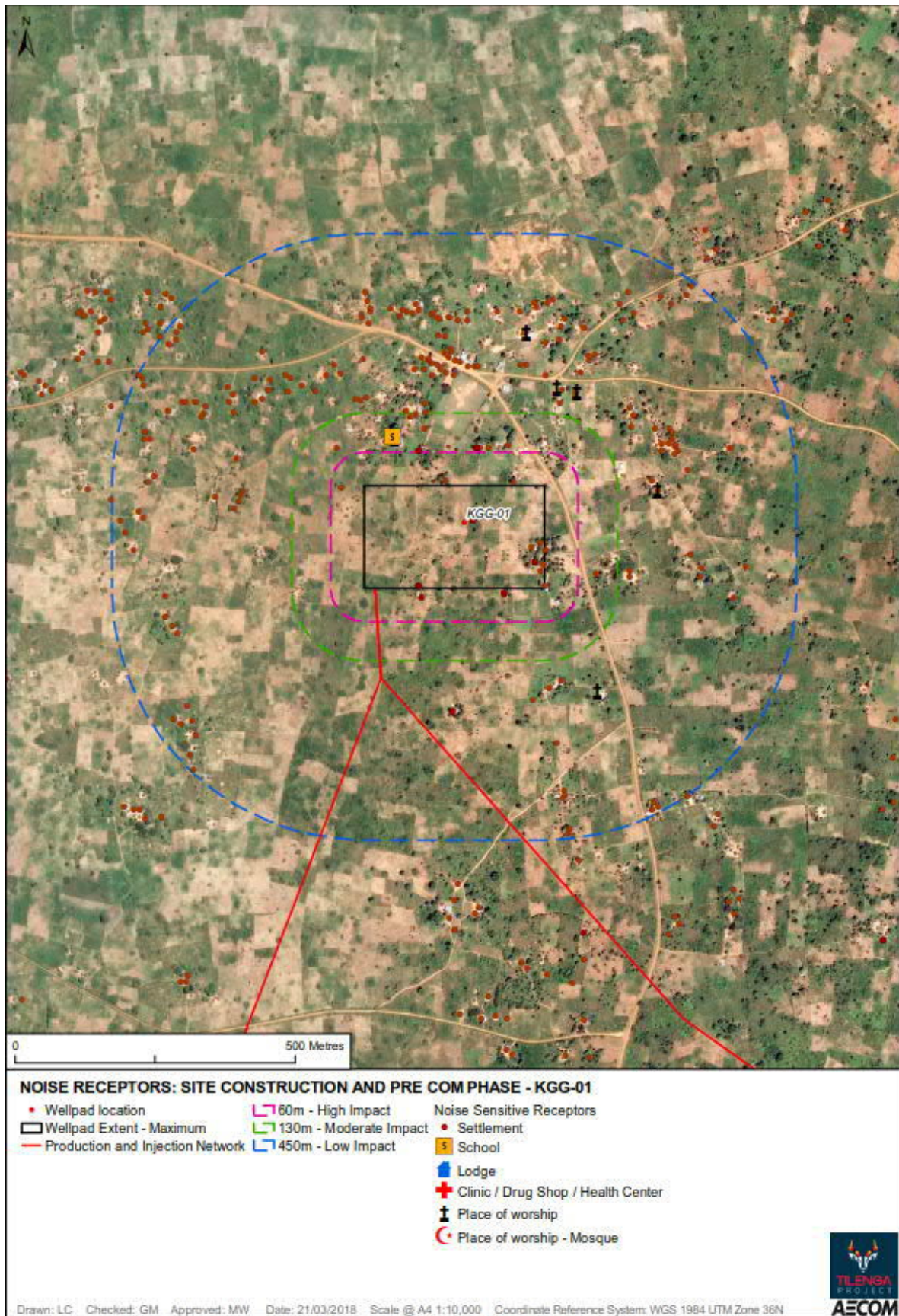




Figure I3-17: KGG-03 Night-time Well Pad Drilling Receptor Analysis

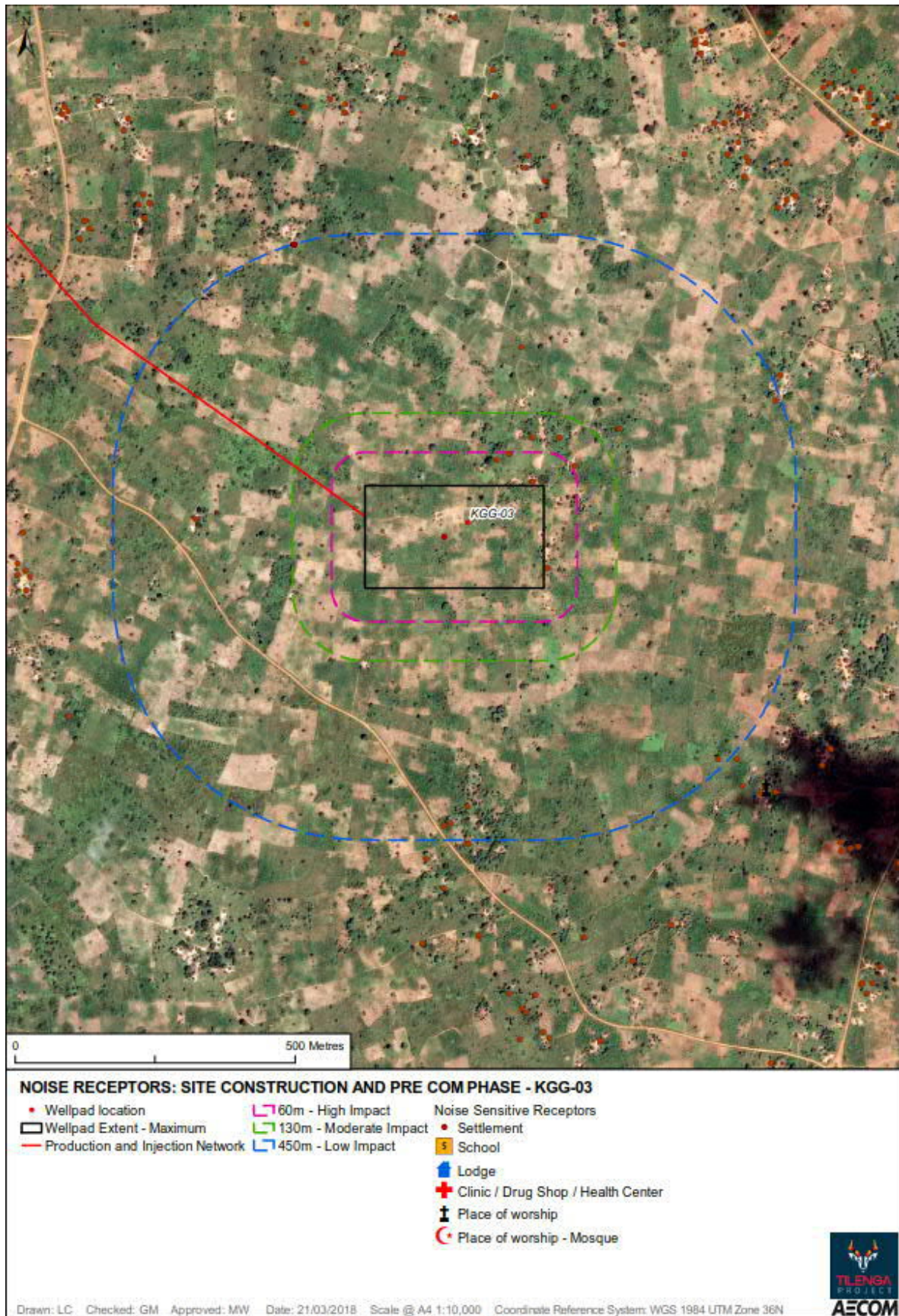




Figure I3-18: KGG-04 Night-time Well Pad Drilling Receptor Analysis

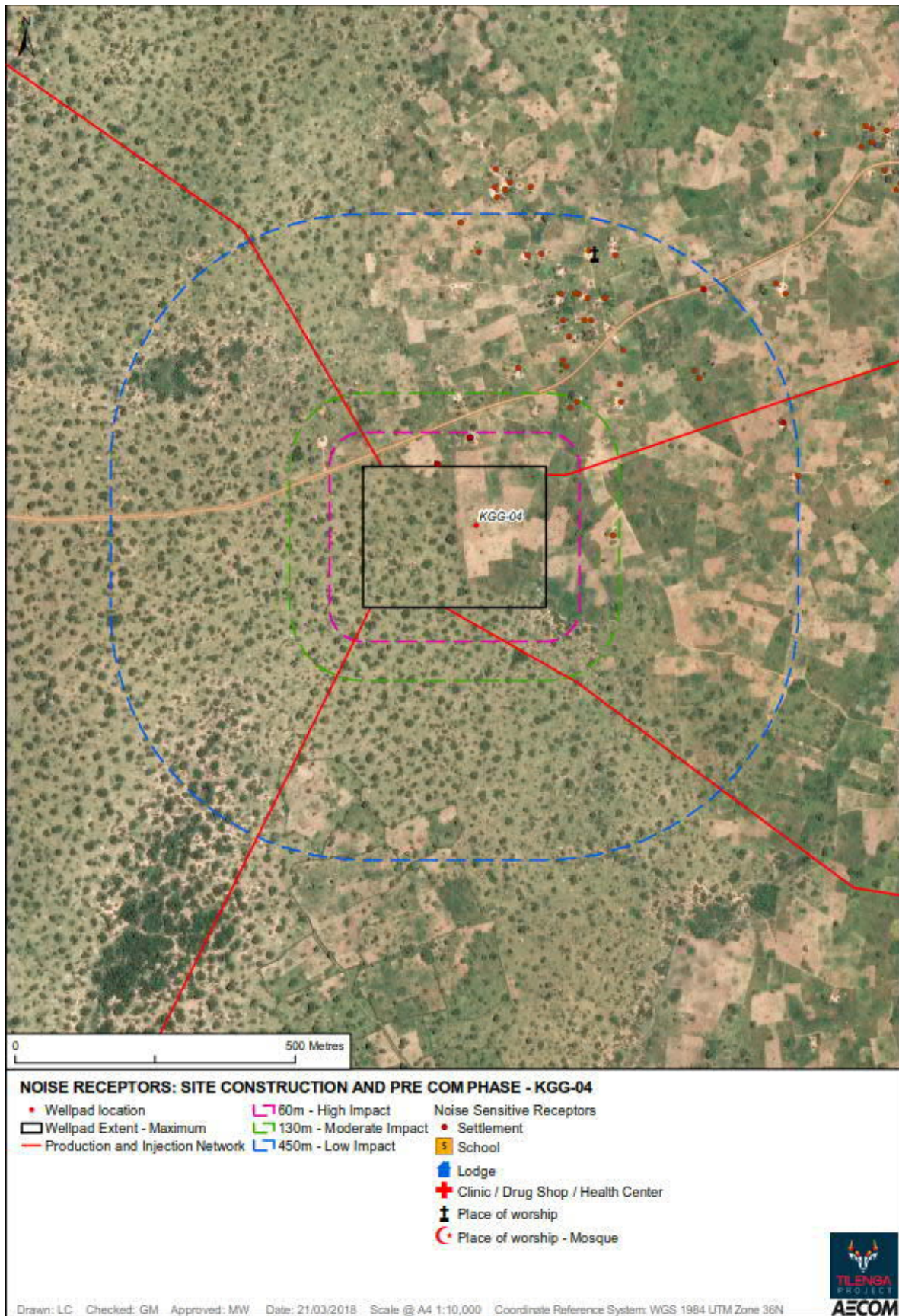




Figure I3-19: KGG-05 Night-time Well Pad Drilling Receptor Analysis

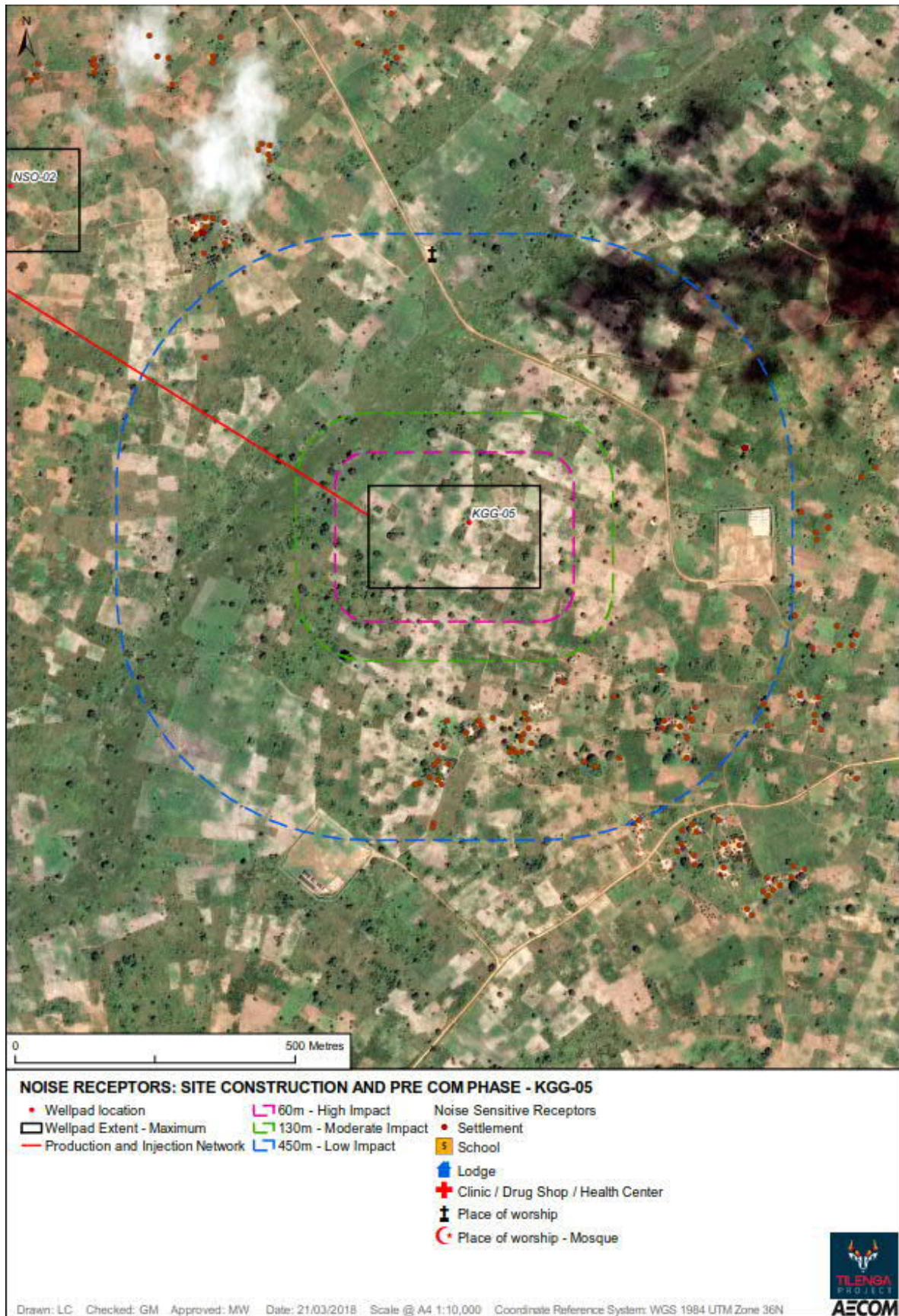




Figure I3-20: KGG-06 Night-time Well Pad Drilling Receptor Analysis

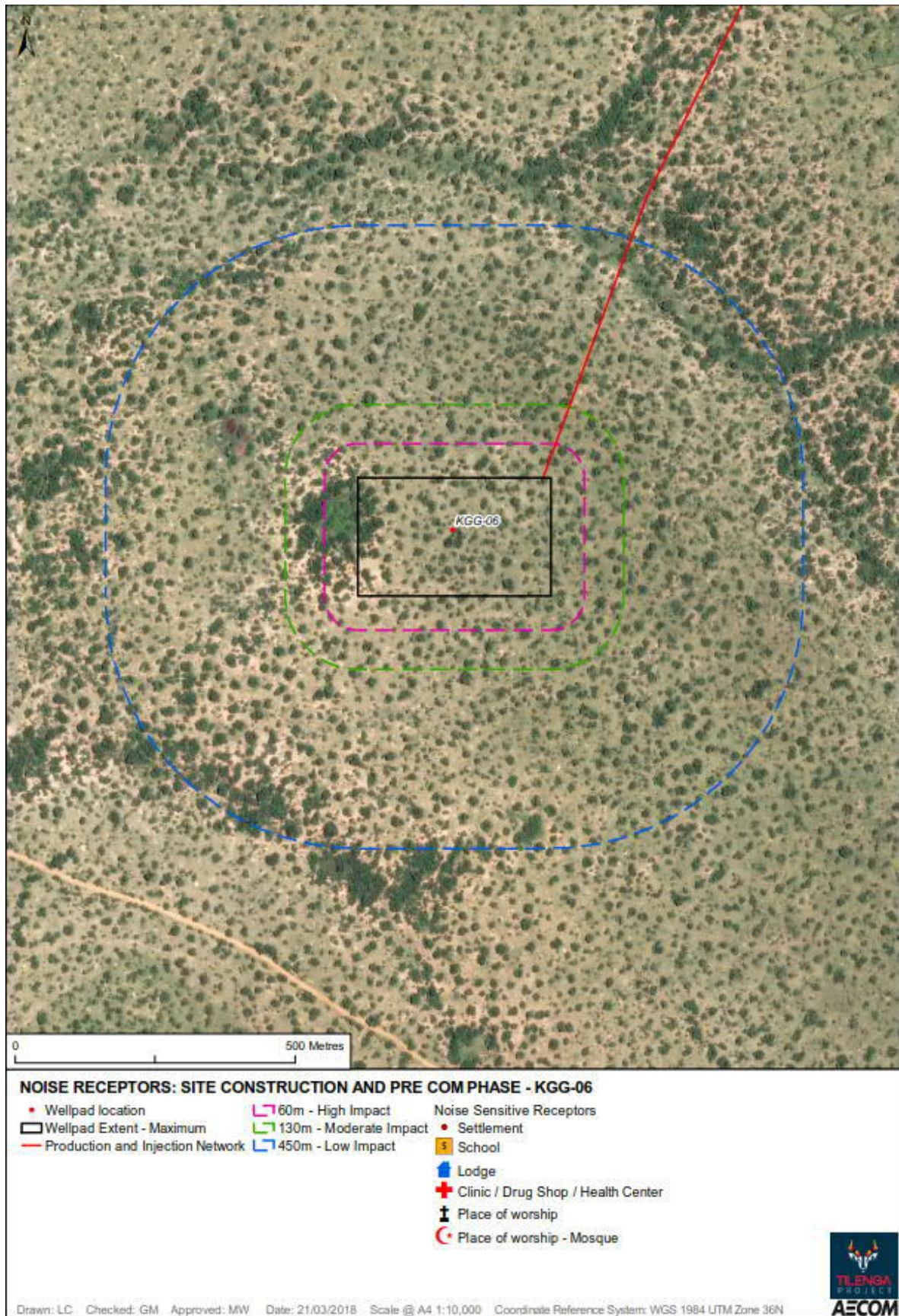




Figure I3-21: KGG-09 Night-time Well Pad Drilling Receptor Analysis

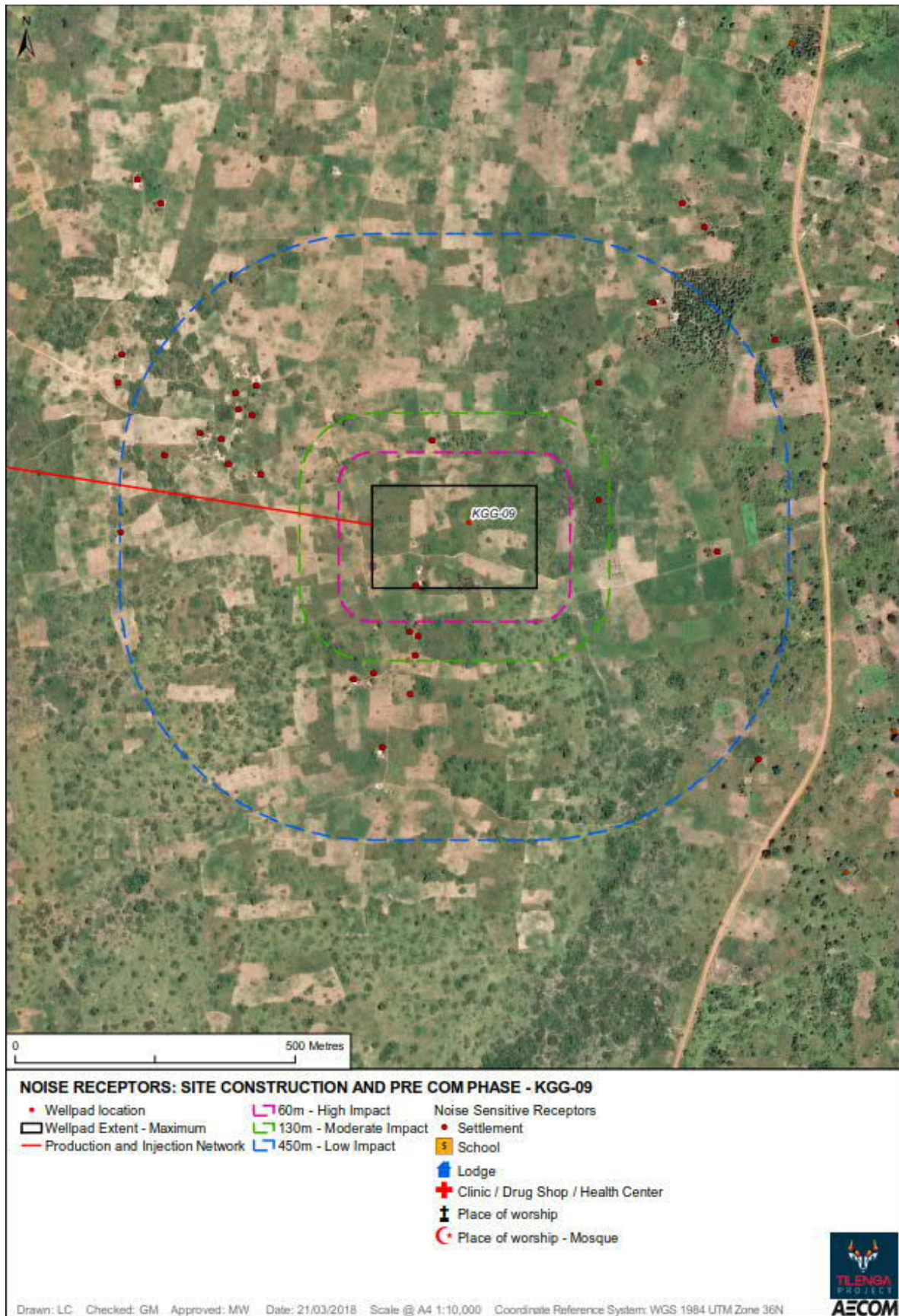




Figure I3-22: KW-01 Night-time Well Pad Drilling Receptor Analysis

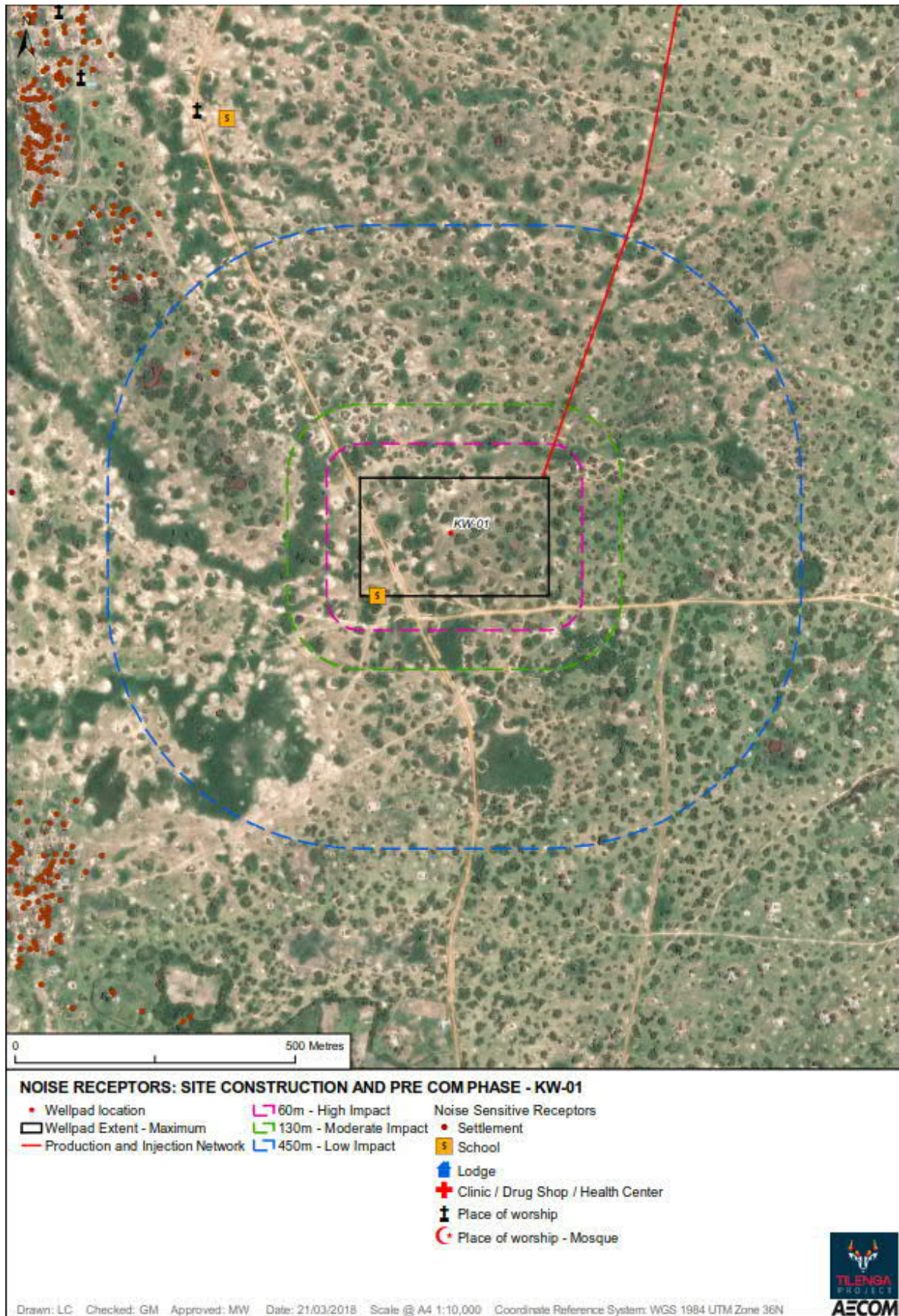




Figure I3-23: KW-02A Night-time Well Pad Drilling Receptor Analysis

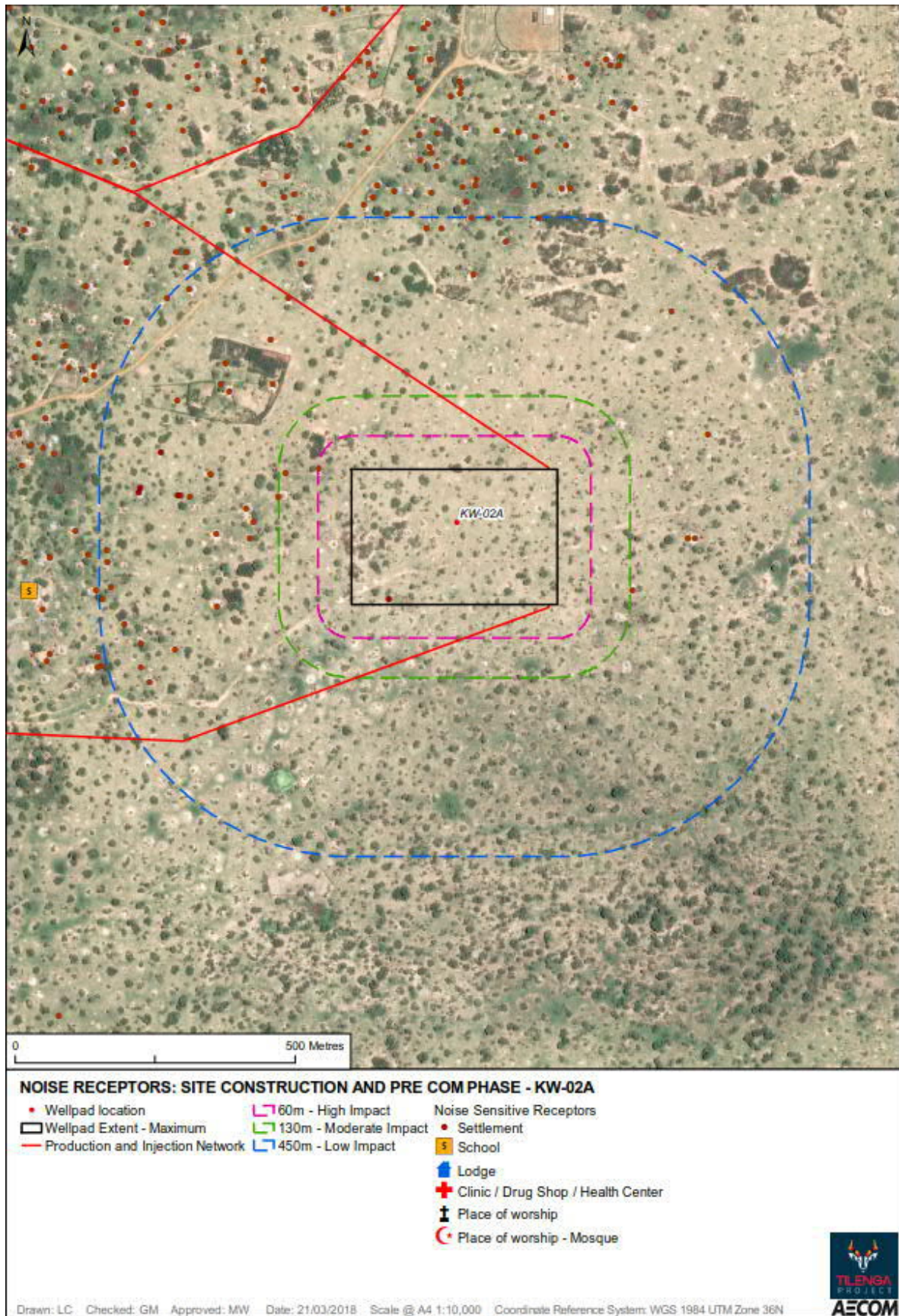




Figure I3-24: KW-02B Night-time Well Pad Drilling Receptor Analysis

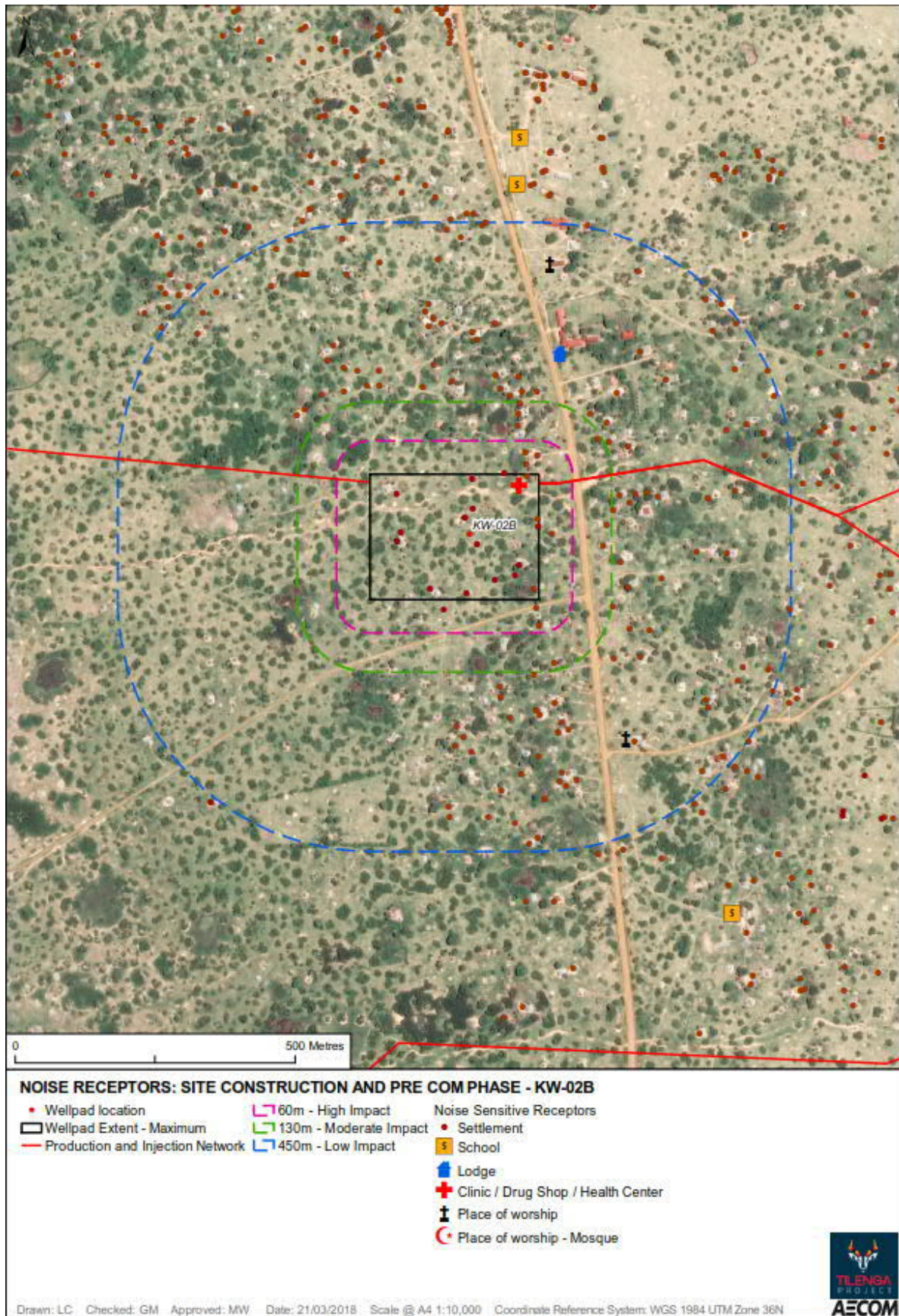




Figure I3-25: NGR-01 Night-time Well Pad Drilling Receptor Analysis

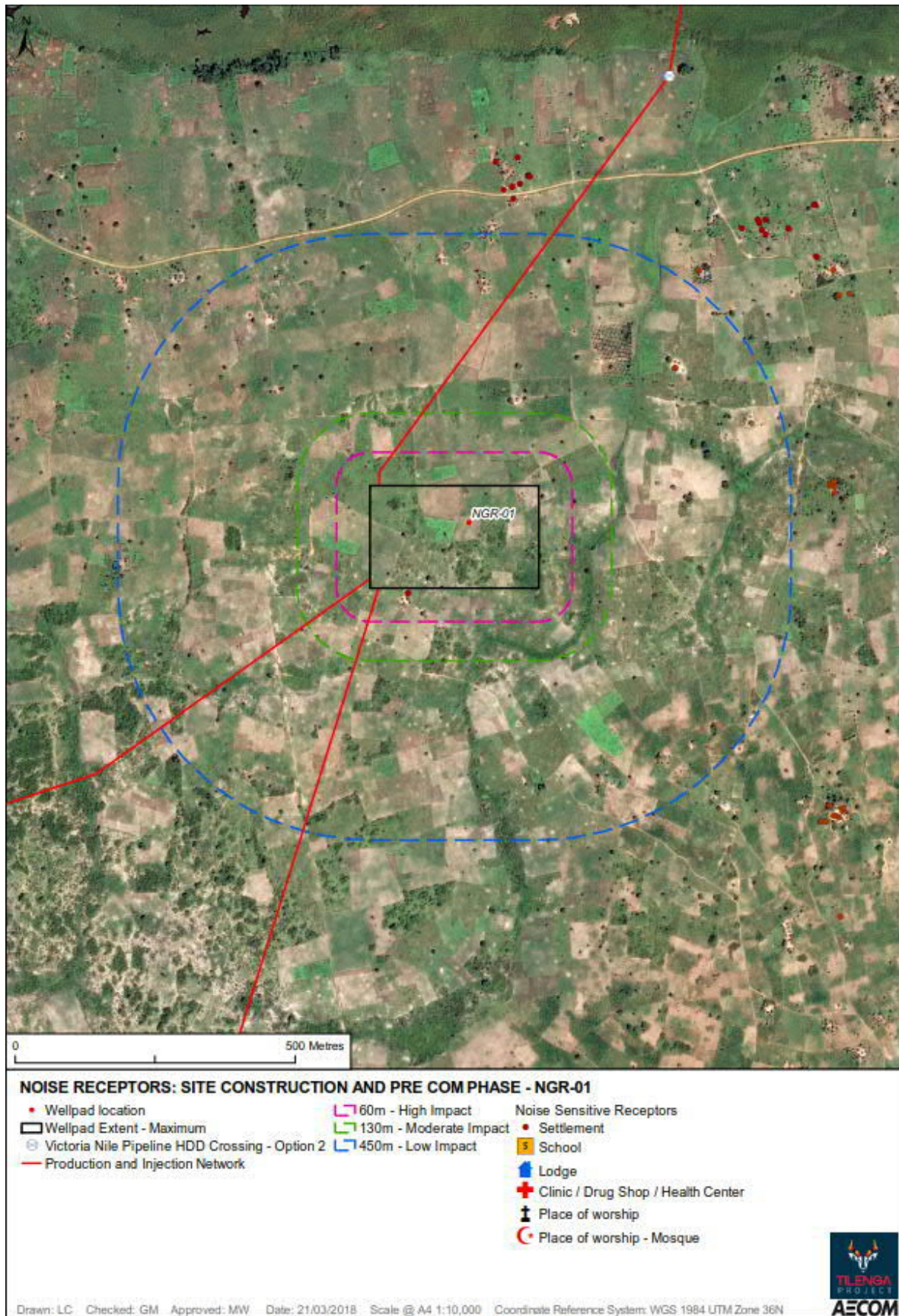




Figure I3-26: NGR-02 Night-time Well Pad Drilling Receptor Analysis

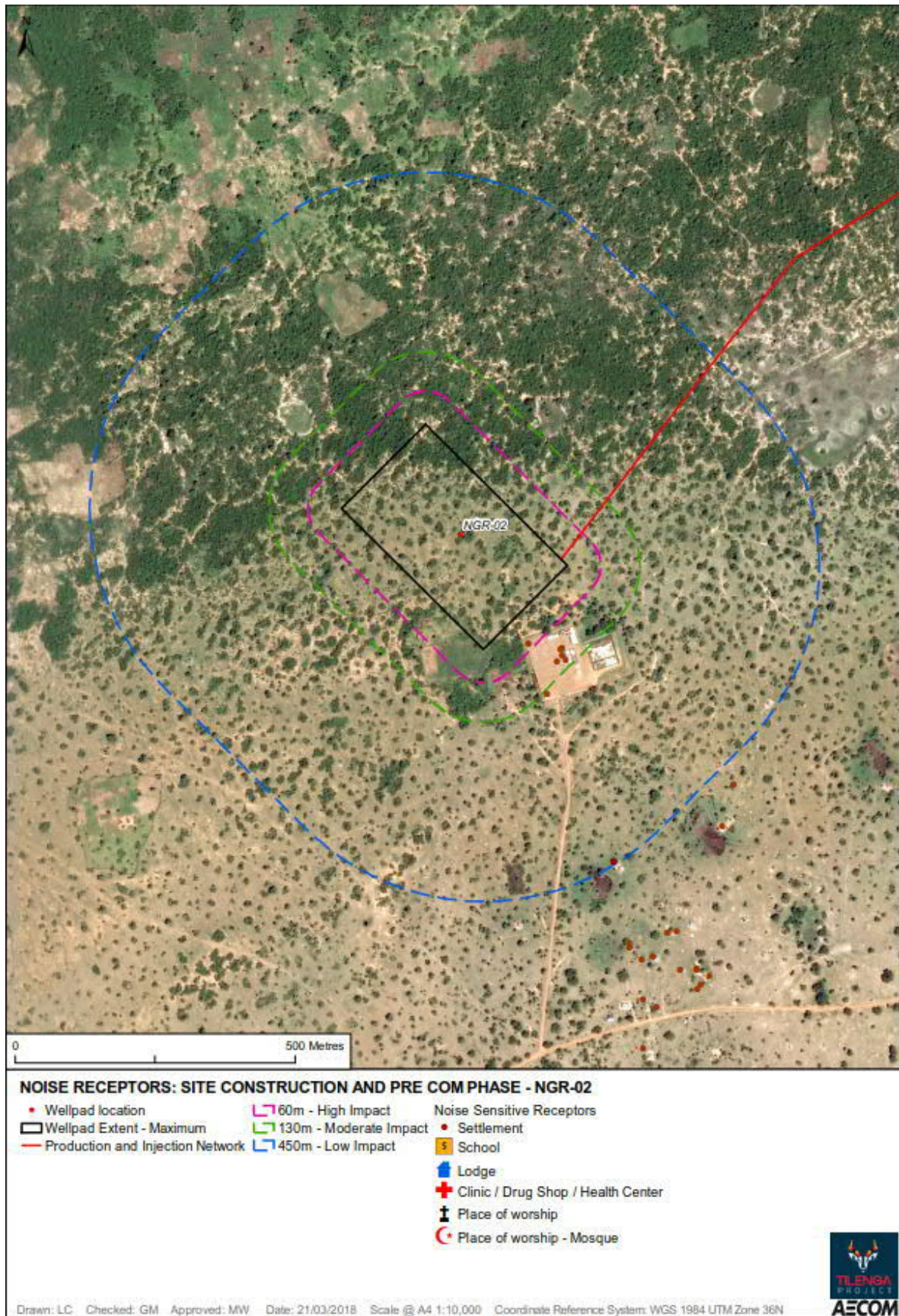




Figure I3-27: NGR-03A Night-time Well Pad Drilling Receptor Analysis

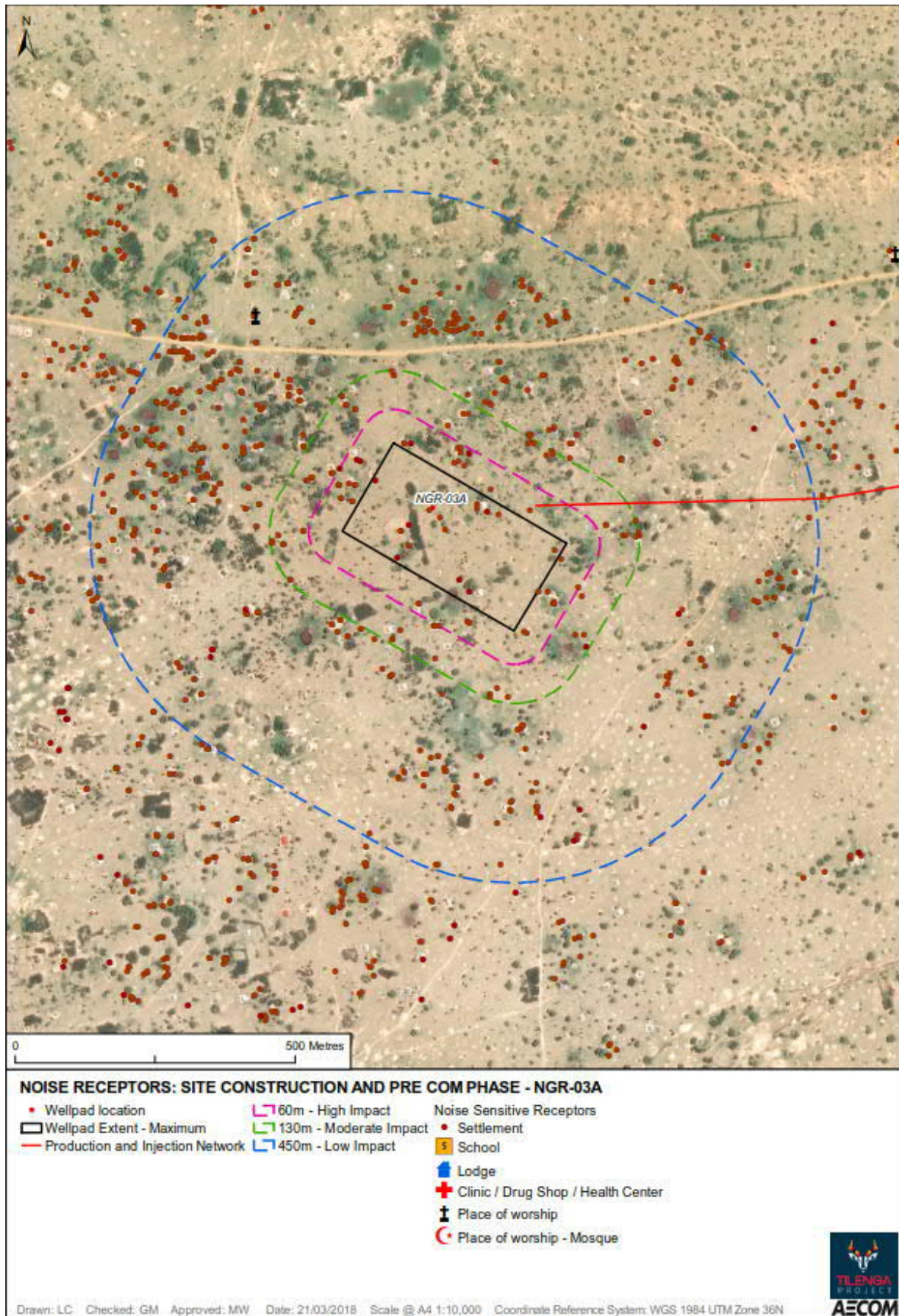




Figure I3-28: NGR-05A Night-time Well Pad Drilling Receptor Analysis

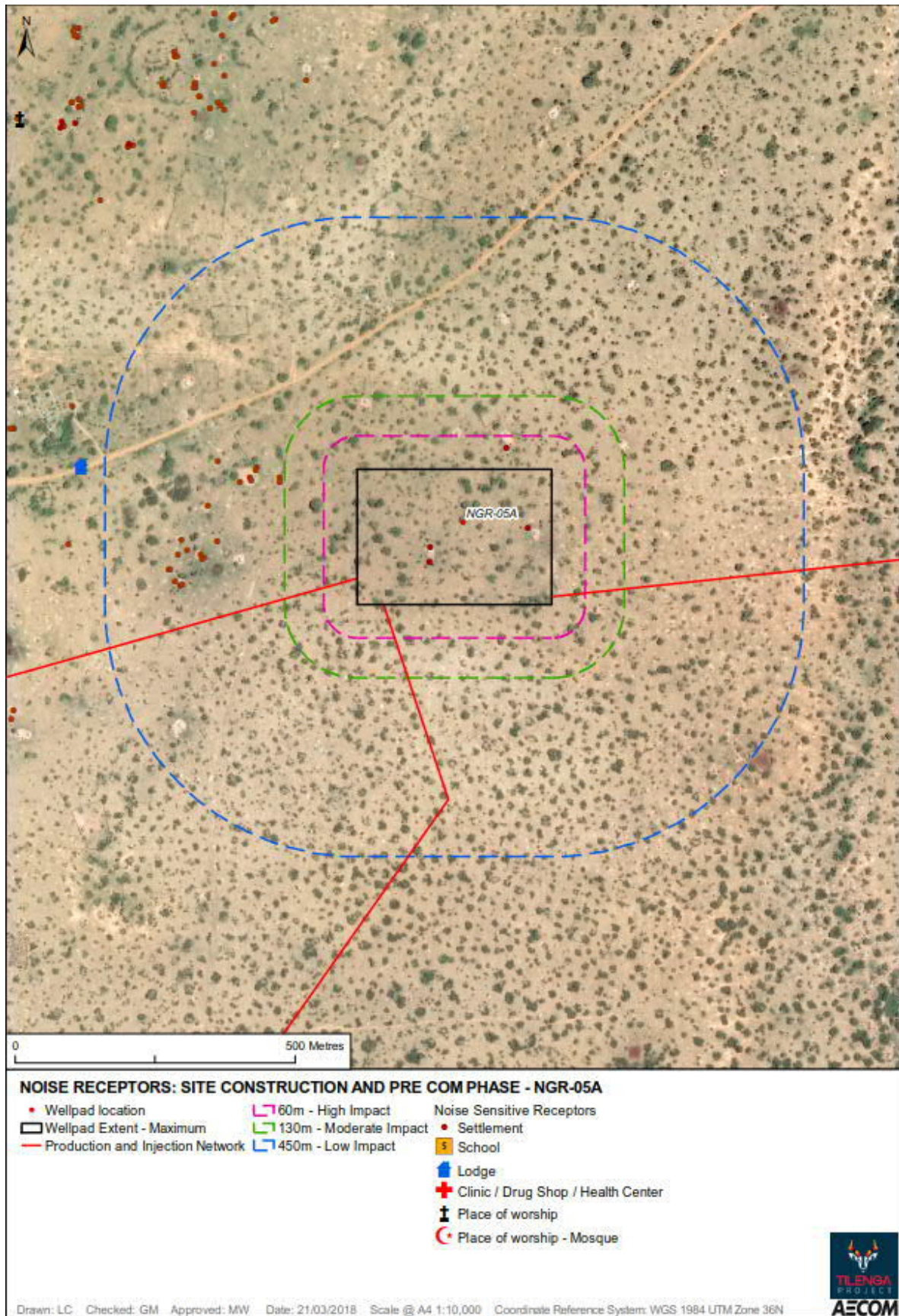




Figure I3-29: NGR-06 Night-time Well Pad Drilling Receptor Analysis

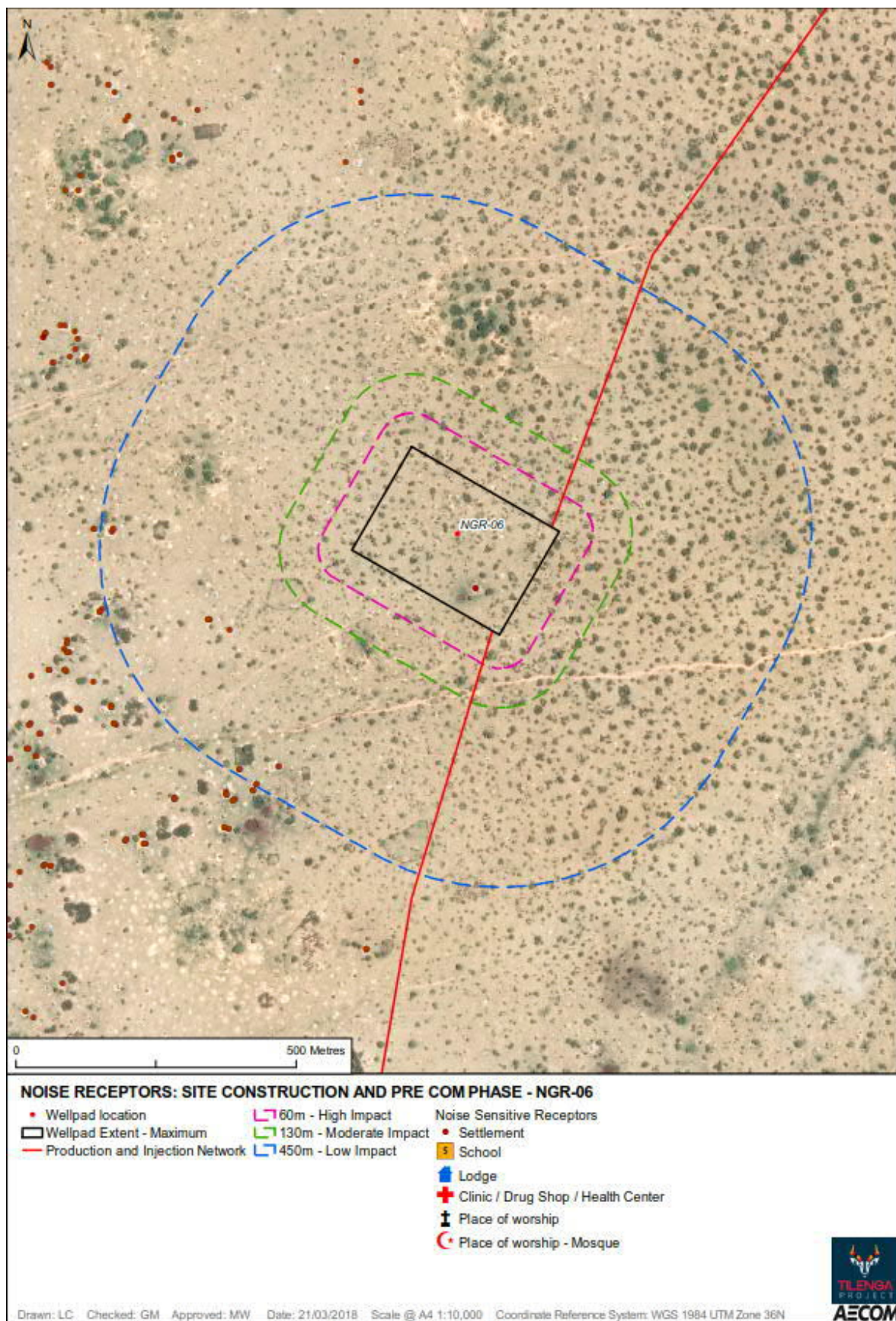




Figure I3-30: NSO-01 Night-time Well Pad Drilling Receptor Analysis

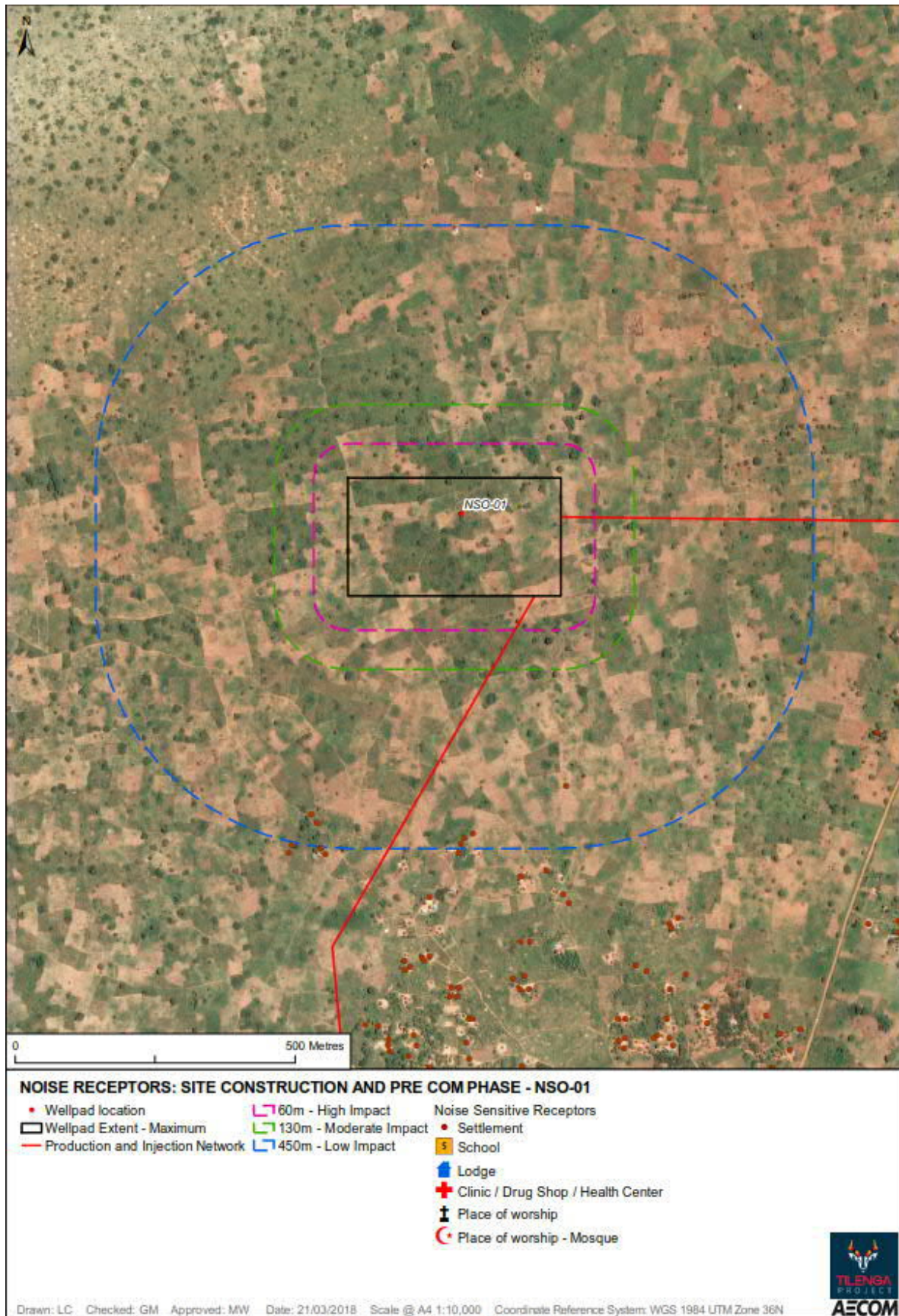




Figure I3-31: NSO-02 Night-time Well Pad Drilling Receptor Analysis

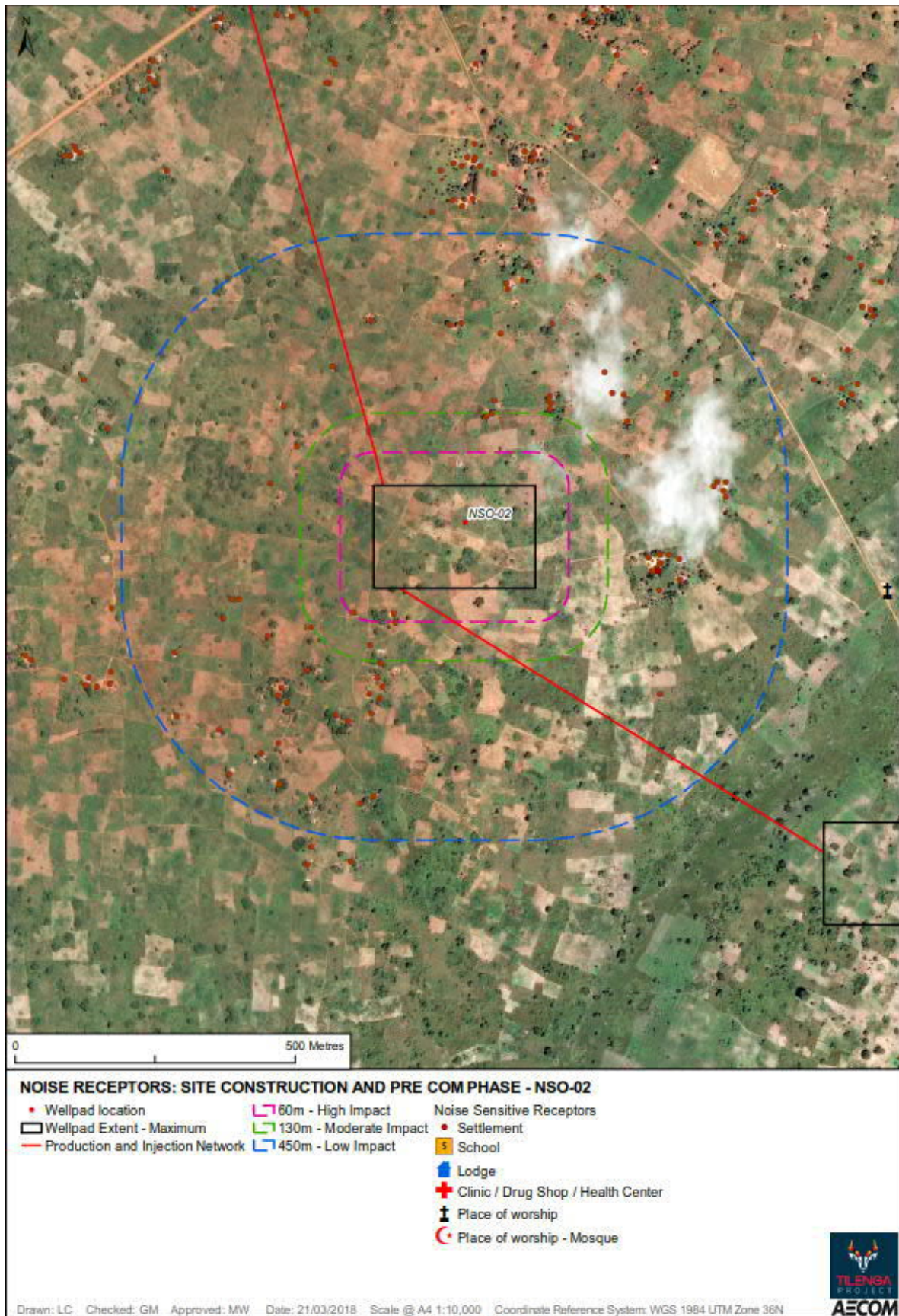




Figure I3-32: NSO-03 Night-time Well Pad Drilling Receptor Analysis

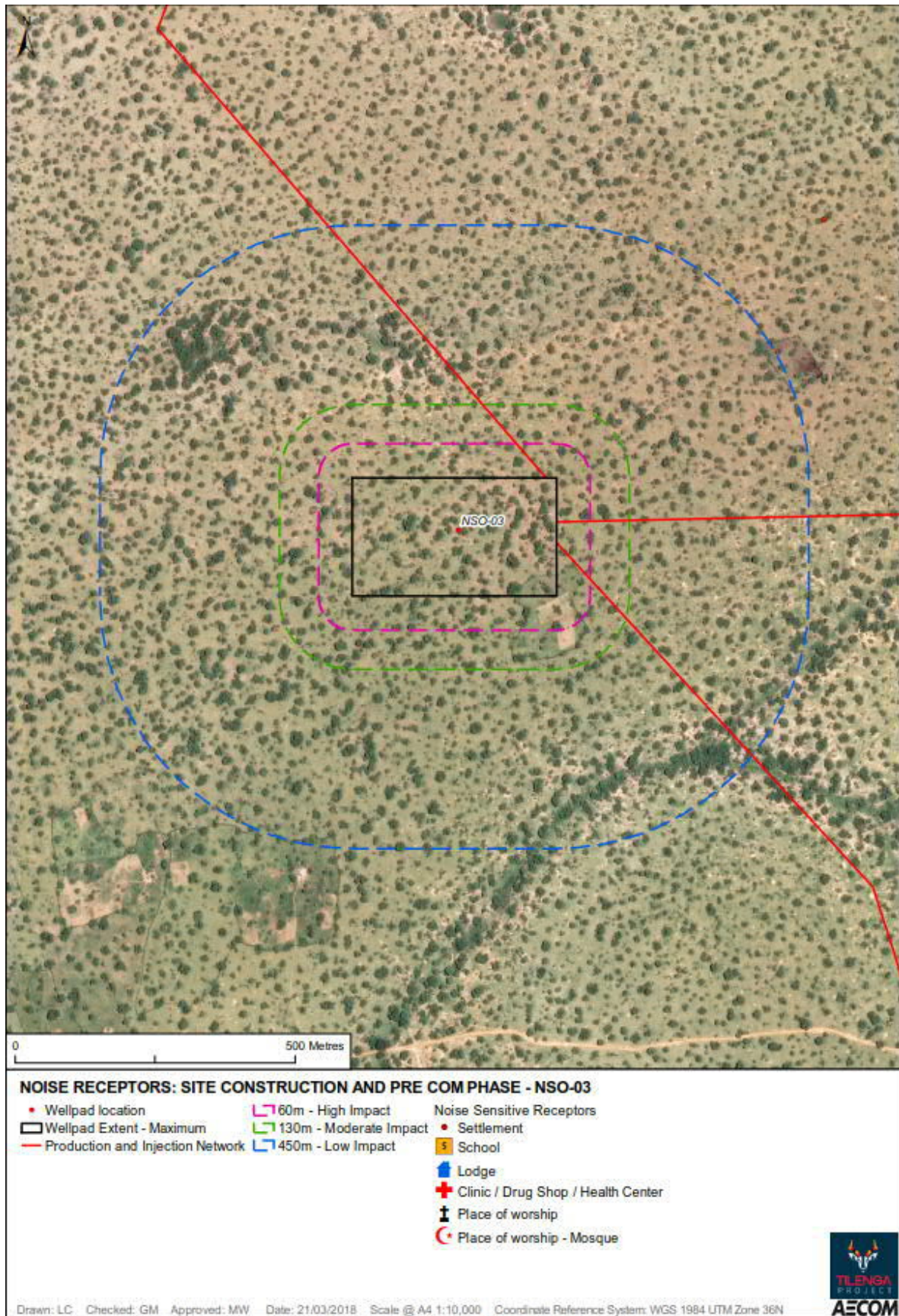




Figure I3-33: NSO-04 Night-time Well Pad Drilling Receptor Analysis

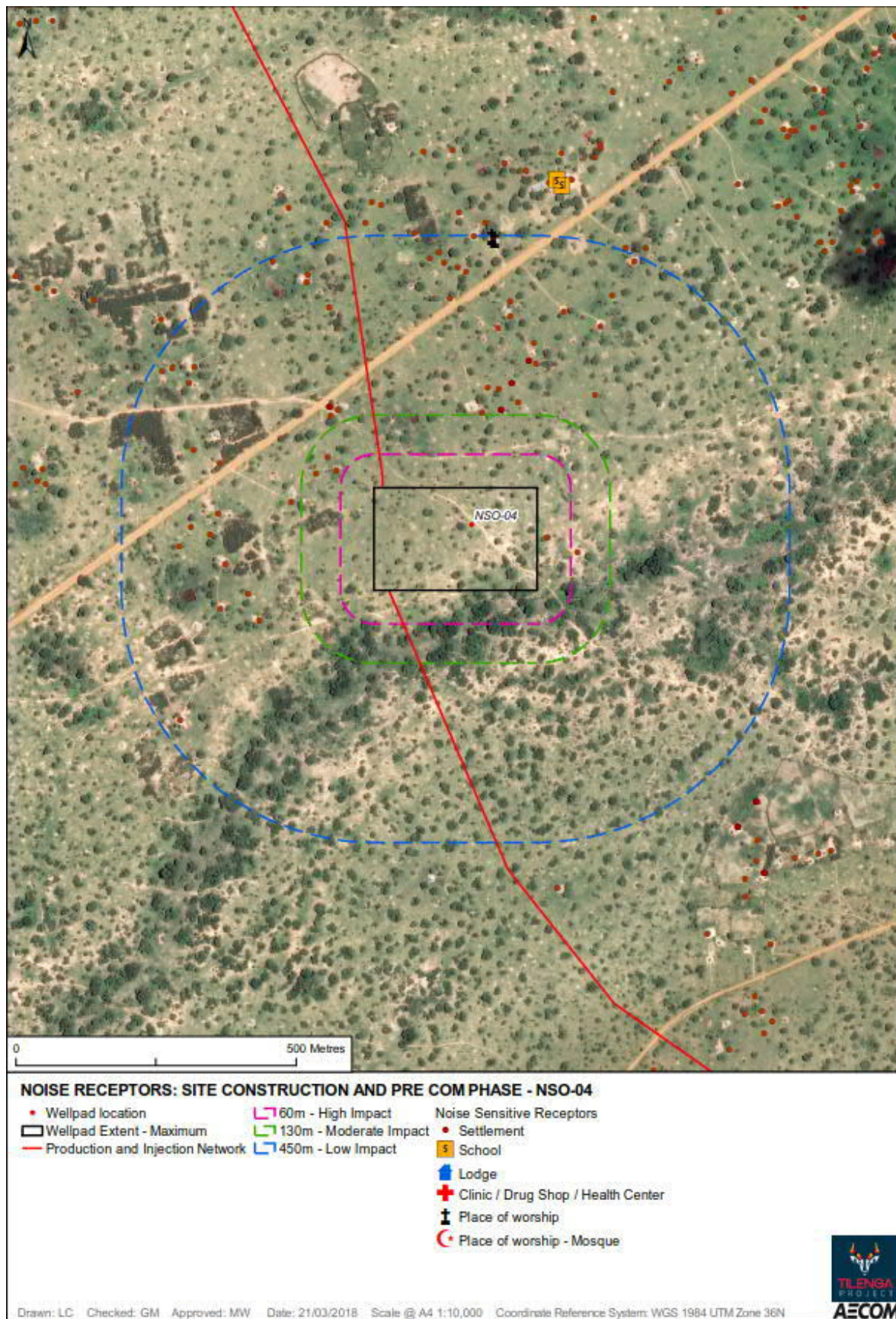




Figure I3-34: NSO-05 Night-time Well Pad Drilling Receptor Analysis

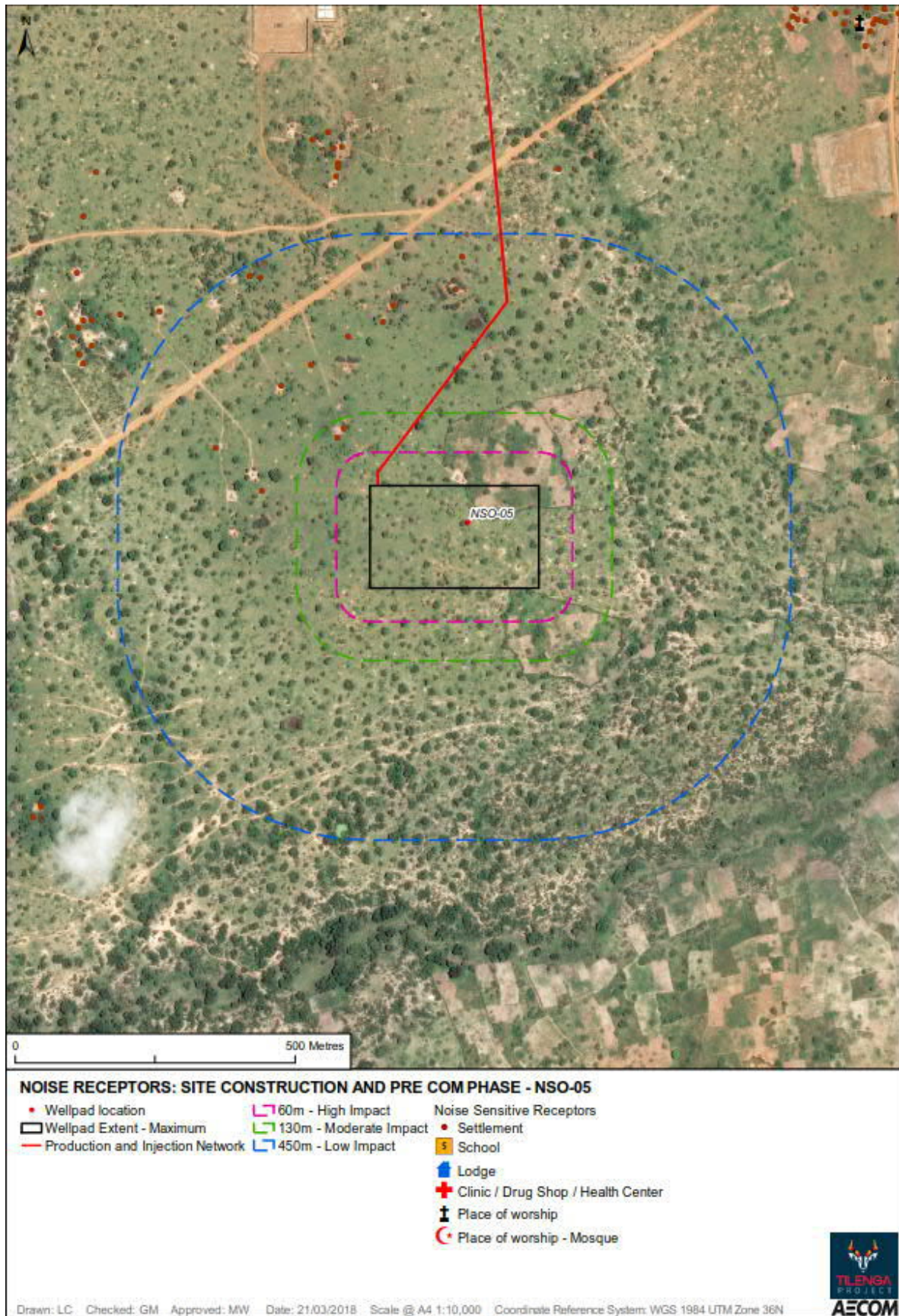
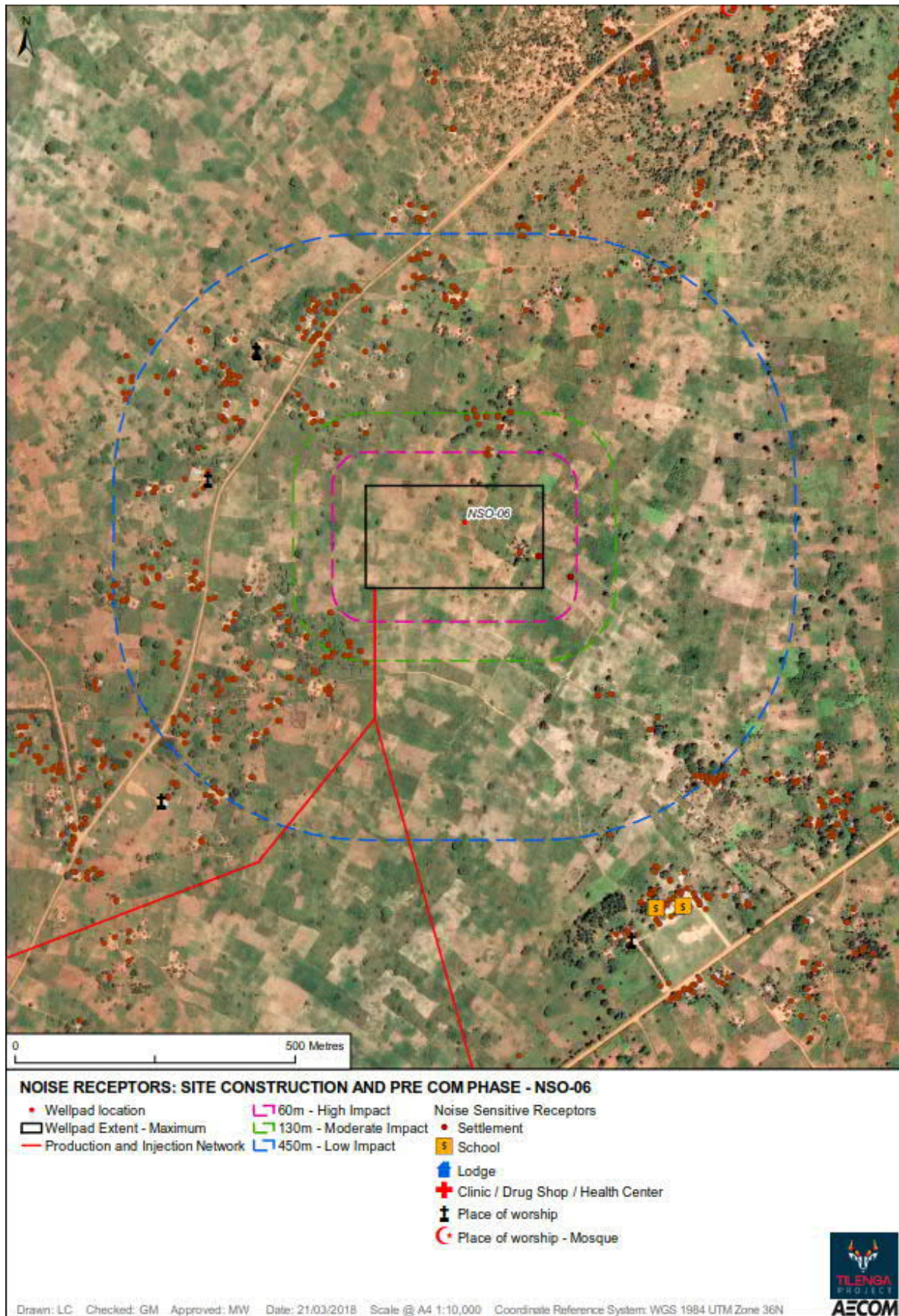


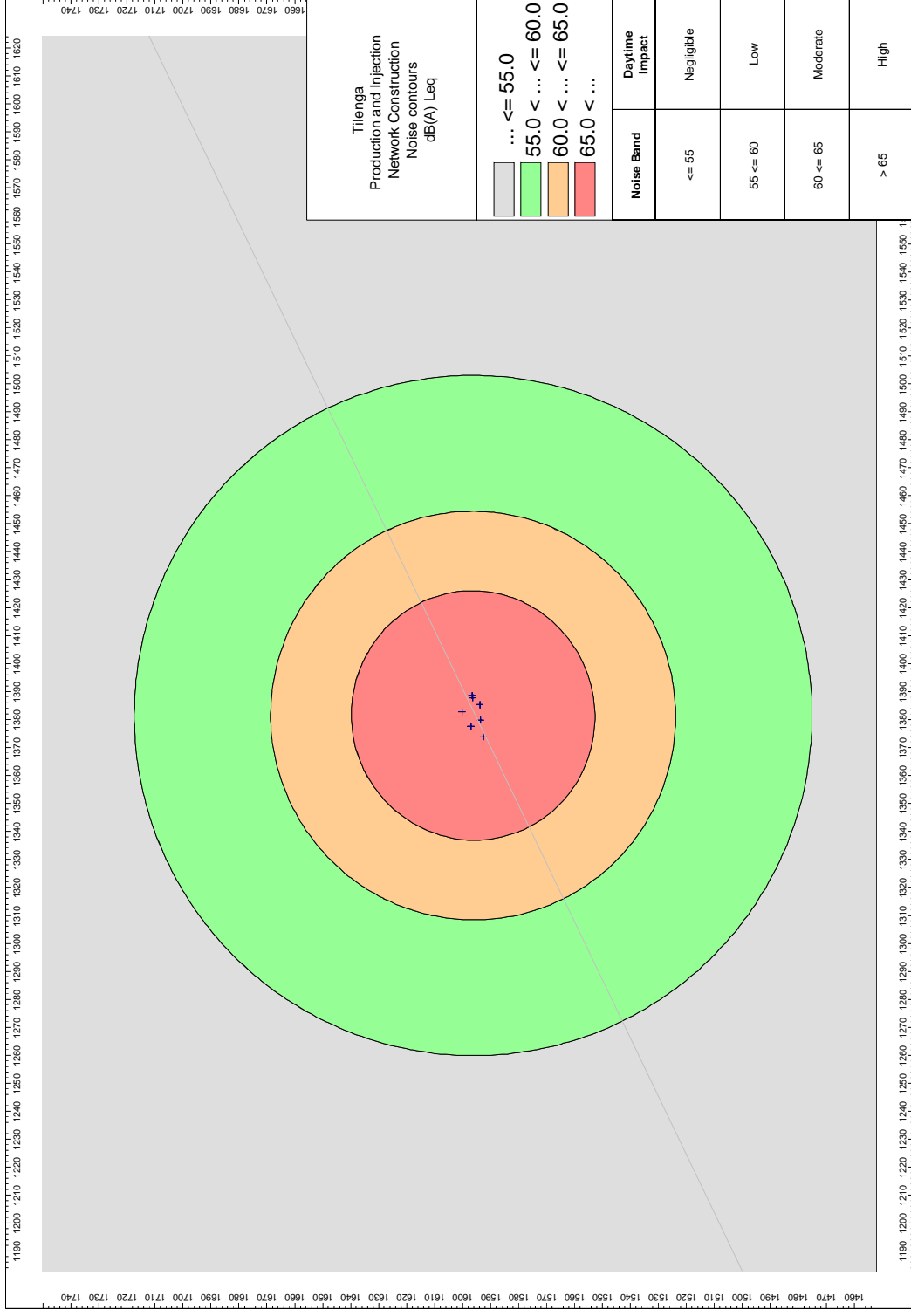


Figure I3-35: NSO-06 Night-time Well Pad Drilling Receptor Analysis





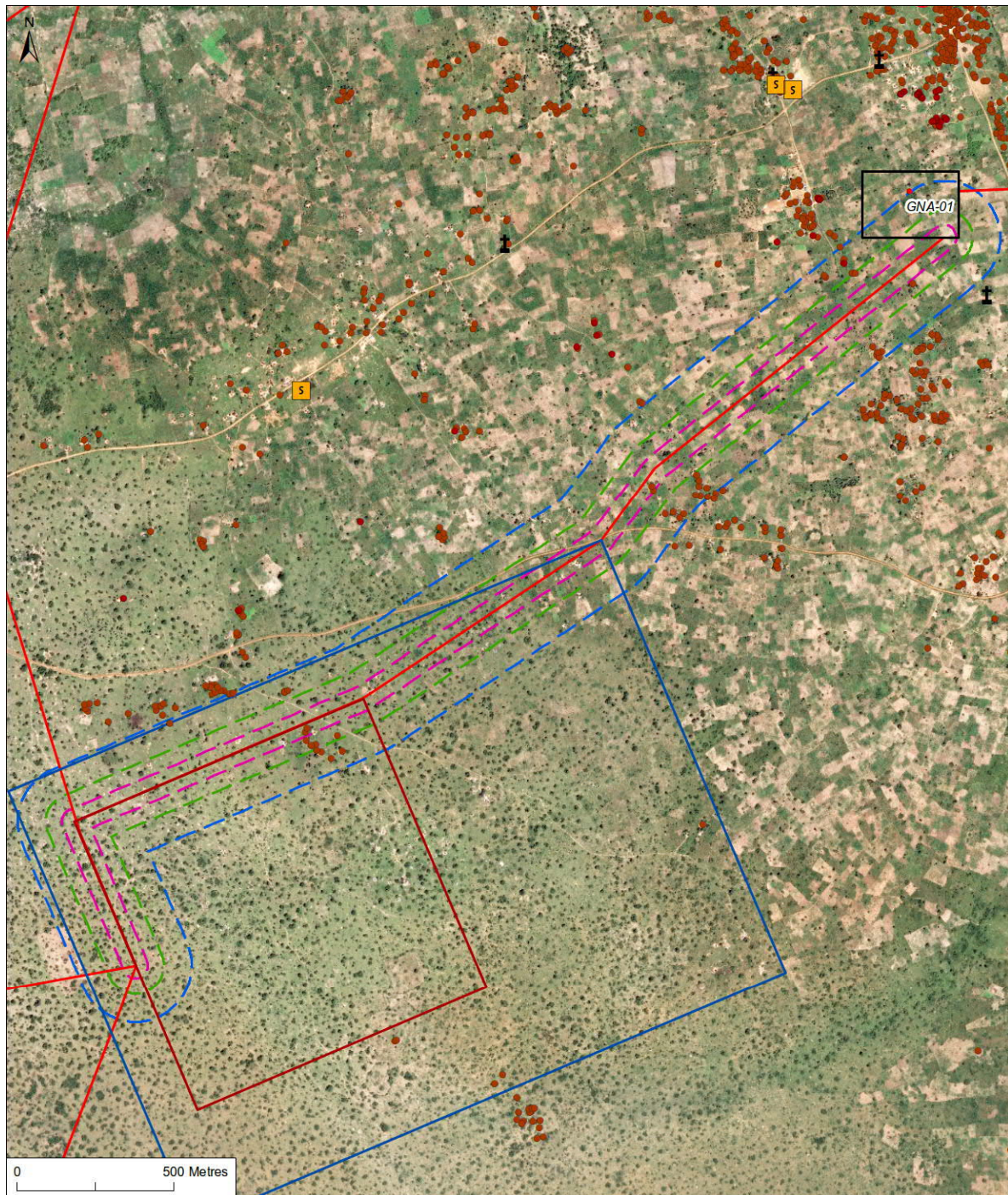
**Figure I3-36: Production and Injection Network Construction Daytime Noise Contours**



The assessment of noise due to construction of the production and injection network is presented in Section 7.6.4.2.5



**Figure I3-37: Production and Injection Network Construction Receptor Analysis – GNA-01 to CPF**



**NOISE RECEPTORS: SITE CONSTRUCTION AND PRE COM PHASE - GNA-01 to CPF**

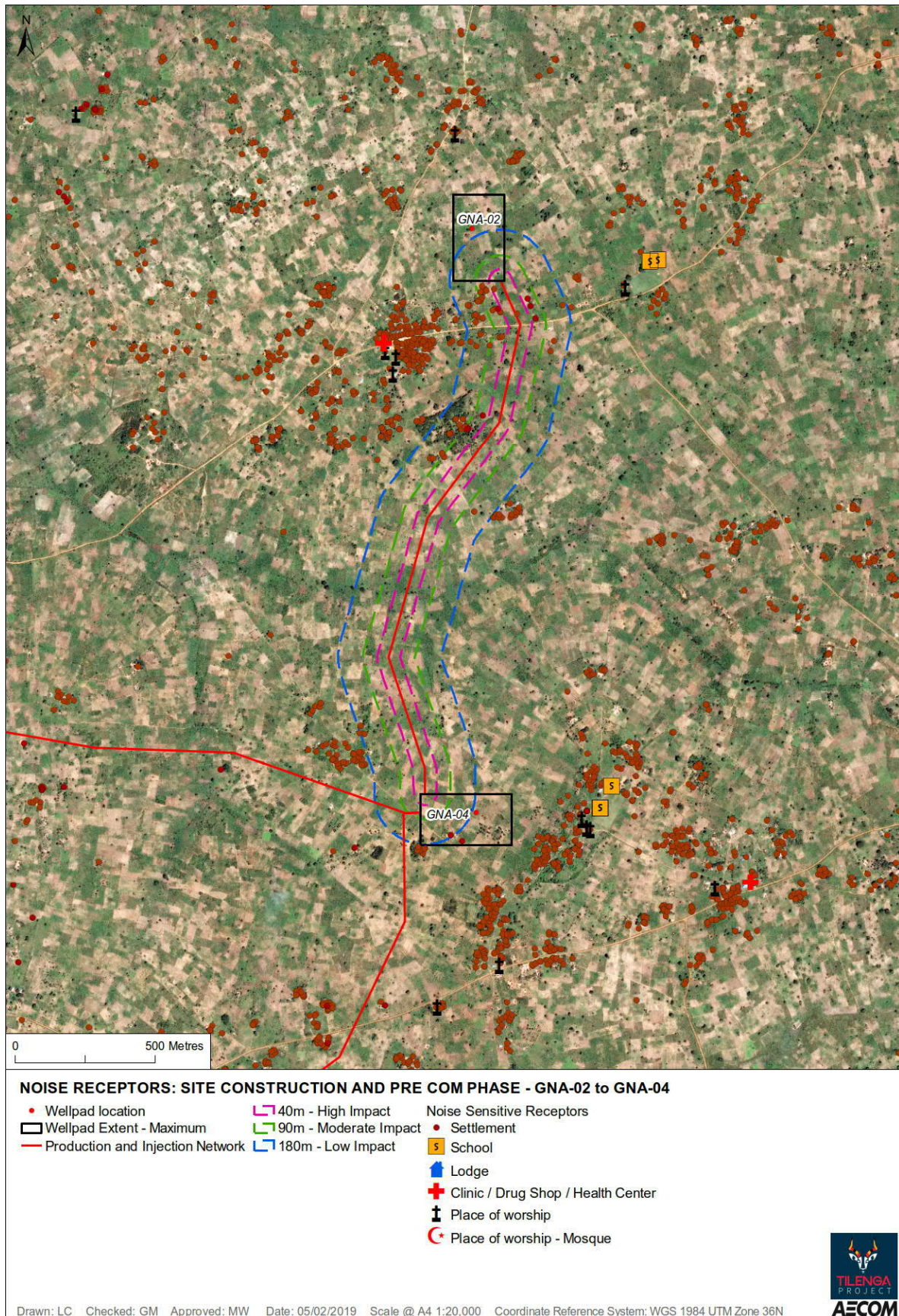
- Wellpad location
- ◻ Wellpad Extent - Maximum
- ▭ Industrial Area
- ▭ CPF
- Production and Injection Network
- ▭ 40m - High Impact
- ▭ 90m - Moderate Impact
- ▭ 180m - Low Impact
- Noise Sensitive Receptors
- Settlement
- ▭ School
- ▭ Lodge
- ▭ Clinic / Drug Shop / Health Center
- ▭ Place of worship
- ▭ Place of worship - Mosque

Drawn: LC Checked: GM Approved: MW Date: 05/02/2019 Scale @ A4 1:20,000 Coordinate Reference System: WGS 1984 UTM Zone 36N



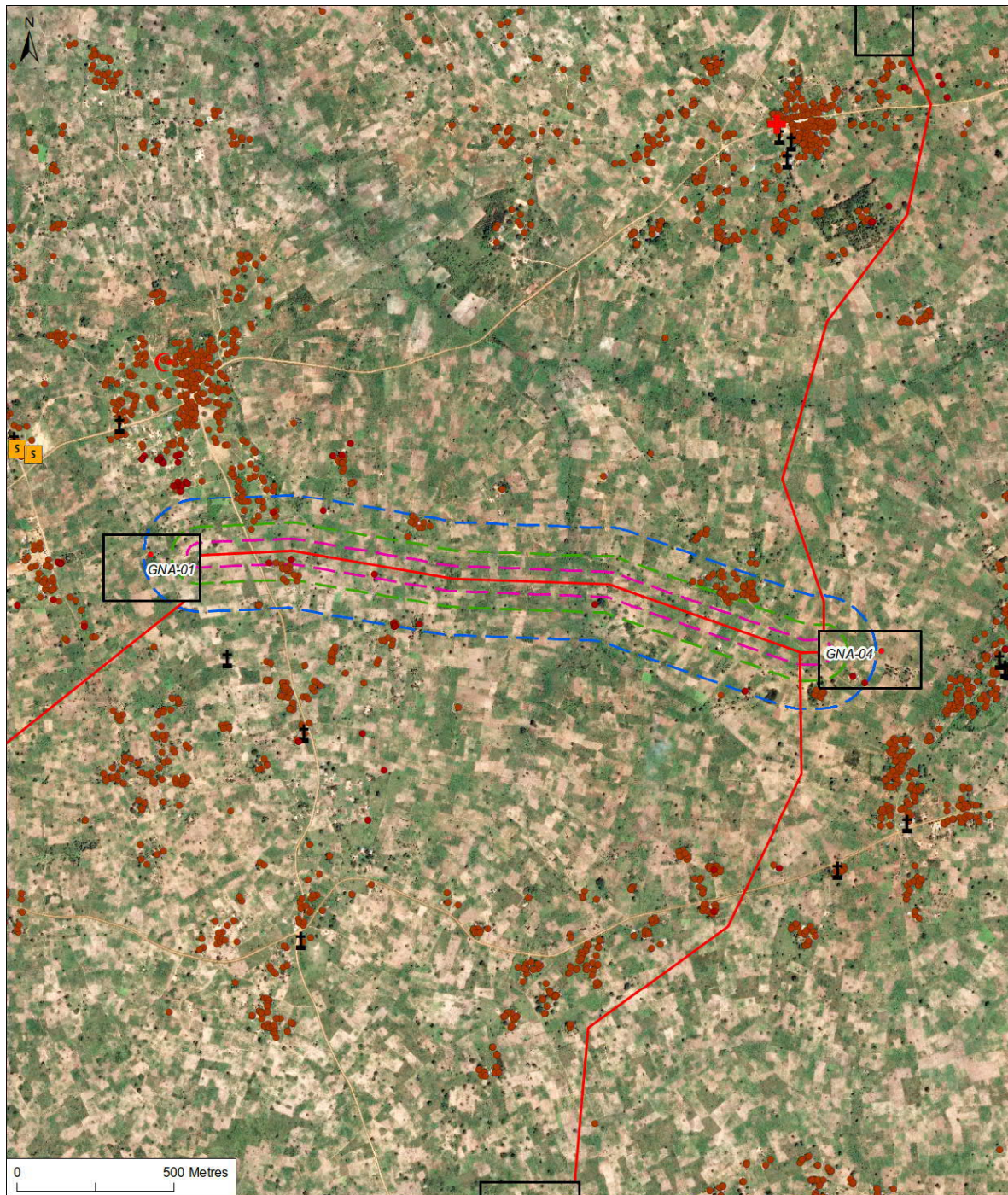


**Figure I3-38: Production and Injection Network Construction Receptor Analysis – GNA-02 to GNA-04**





**Figure I3-39: Production and Injection Network Construction Receptor Analysis – GNA-04 to GNA-01**



**NOISE RECEPTORS: SITE CONSTRUCTION AND PRE COM PHASE - GNA-04 to GNA-01**

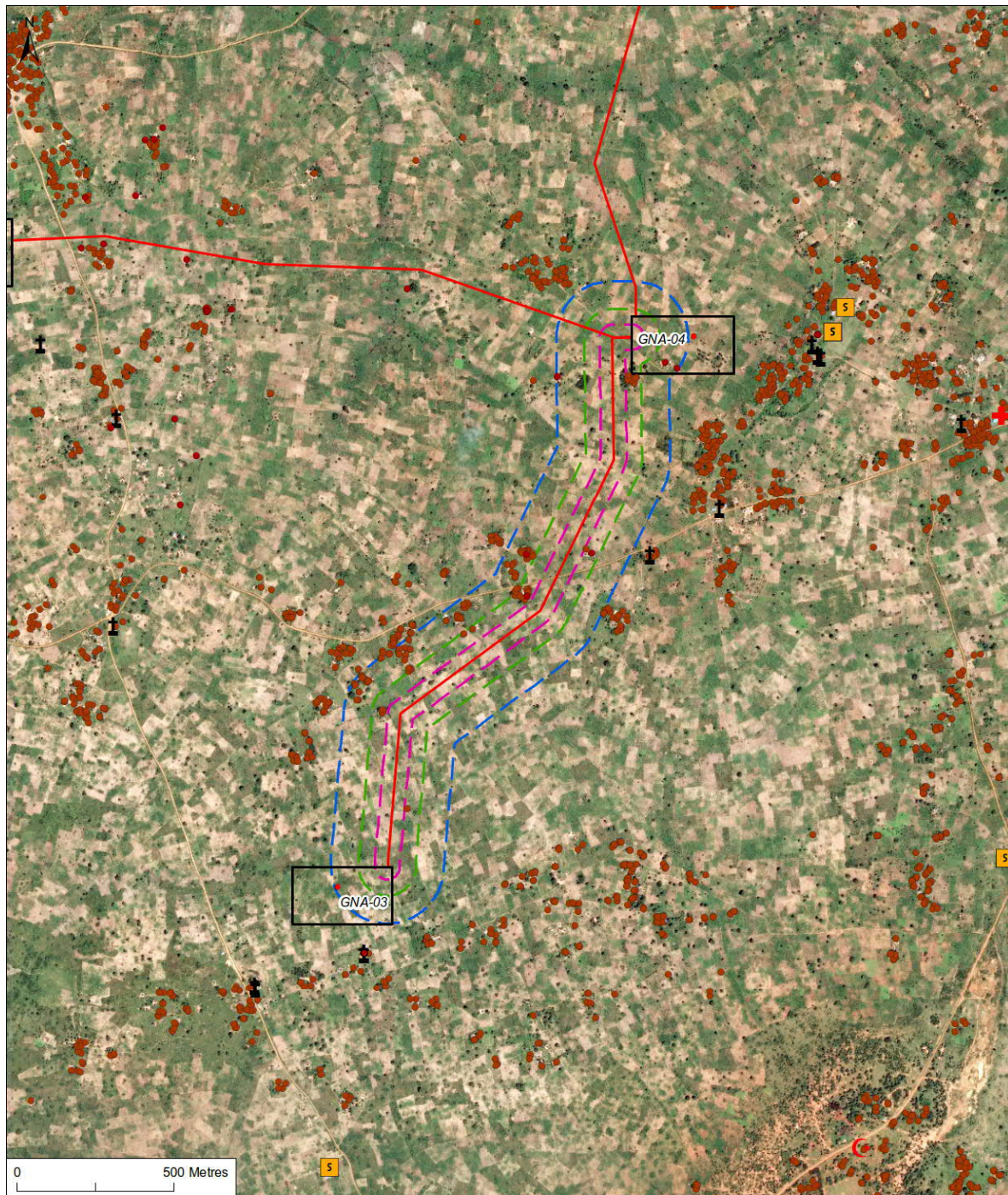
- Wellpad location
- ◻ Wellpad Extent - Maximum
- Production and Injection Network
- 40m - High Impact
- 90m - Moderate Impact
- 180m - Low Impact
- Noise Sensitive Receptors
- Settlement
- Ⓟ School
- 🏠 Lodge
- ⛑ Clinic / Drug Shop / Health Center
- ⚓ Place of worship
- 🕌 Place of worship - Mosque

Drawn: LC Checked: GM Approved: MW Date: 05/02/2019 Scale @ A4 1:20,000 Coordinate Reference System: WGS 1984 UTM Zone 36N





**Figure I3-40: Production and Injection Network Construction Receptor Analysis – GNA-04 to GNA-03**



**NOISE RECEPTORS: SITE CONSTRUCTION AND PRE COM PHASE - GNA-04 to GNA-03**

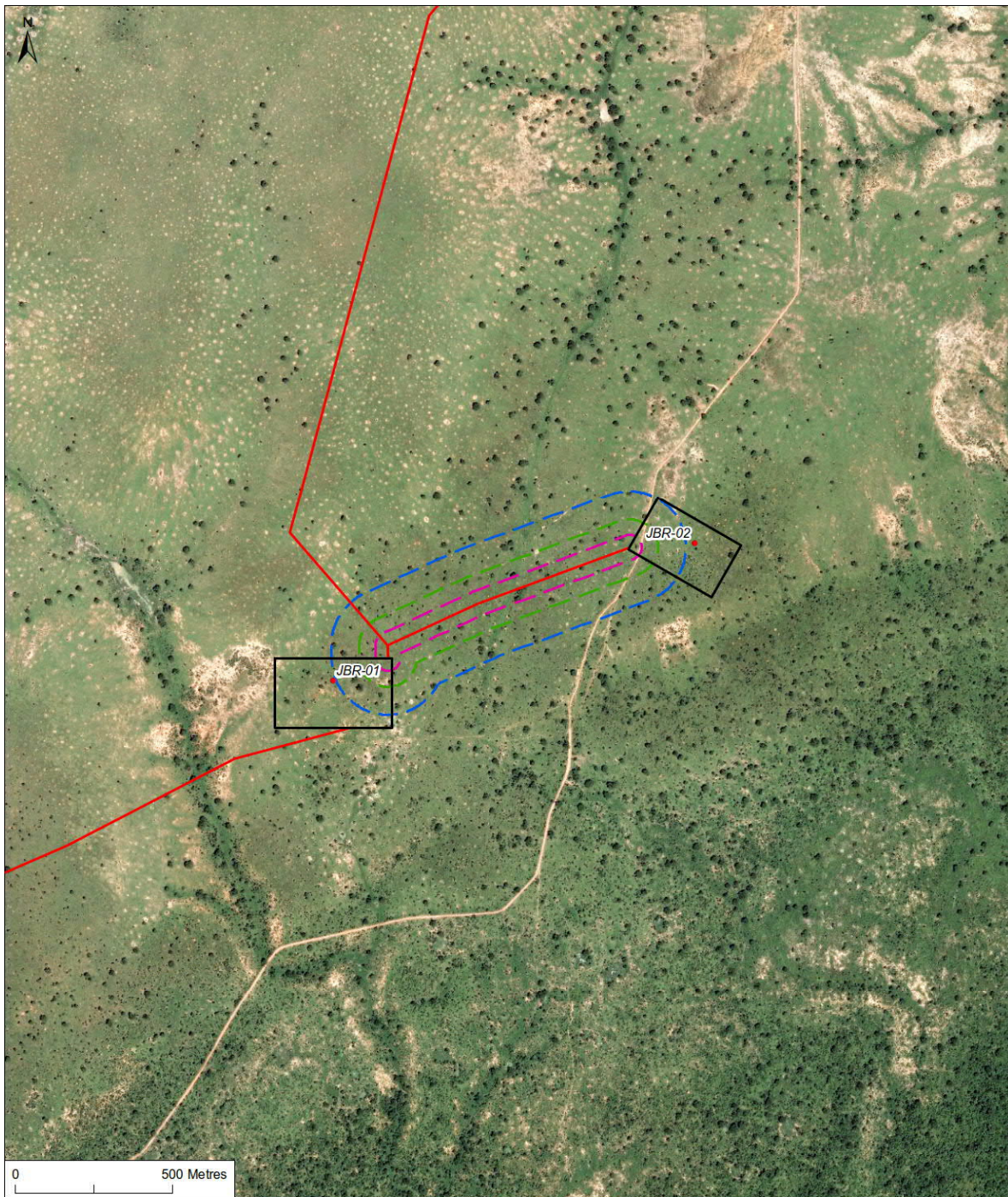
- Wellpad location
- Wellpad Extent - Maximum
- Production and Injection Network
- 40m - High Impact
- 90m - Moderate Impact
- 180m - Low Impact
- Settlement
- Ⓢ School
- 🏠 Lodge
- ⛔ Clinic / Drug Shop / Health Center
- ⚡ Place of worship
- ☪ Place of worship - Mosque

Drawn: LC Checked: GM Approved: MW Date: 05/02/2019 Scale @ A4 1:20,000 Coordinate Reference System: WGS 1984 UTM Zone 36N





**Figure I3-41: Production and Injection Network Construction Receptor Analysis – JBR-02 to JBR-01**



**NOISE RECEPTORS: SITE CONSTRUCTION AND PRE COM PHASE - JBR-02 to JBR-01**

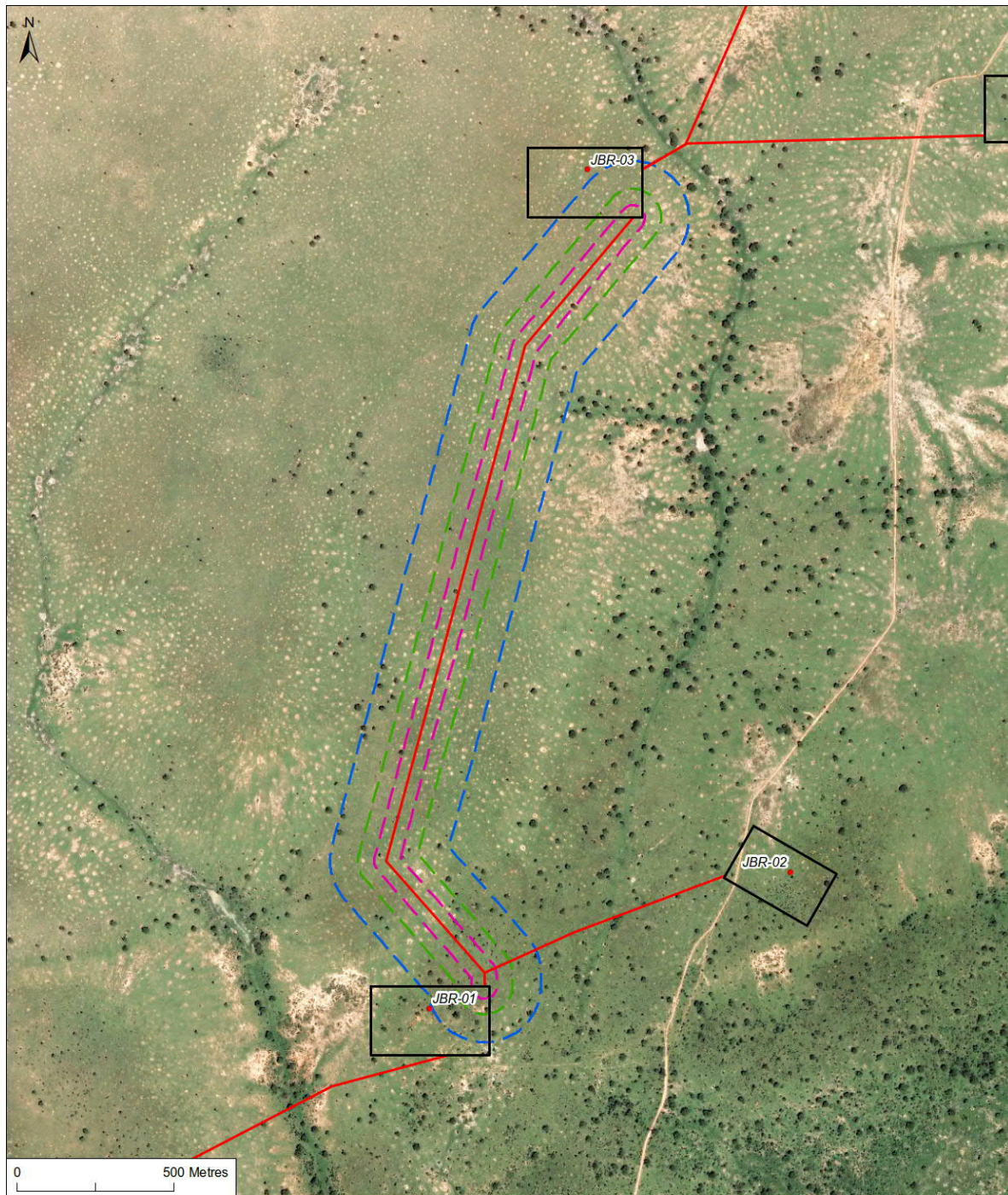
- Wellpad location
- Wellpad Extent - Maximum
- Production and Injection Network
- ▭ 40m - High Impact
- ▭ 90m - Moderate Impact
- ▭ 180m - Low Impact
- Noise Sensitive Receptors
- Settlement
- 🏫 School
- 🏠 Lodge
- ⚕️ Clinic / Drug Shop / Health Center
- 🕌 Place of worship
- 🕌 Place of worship - Mosque

Drawn: LC Checked: GM Approved: MW Date: 05/02/2019 Scale @ A4 1:20,000 Coordinate Reference System: WGS 1984 UTM Zone 36N





**Figure I3-42: Production and Injection Network Construction Receptor Analysis – JBR-03 to JBR-01**



**NOISE RECEPTORS: SITE CONSTRUCTION AND PRE COM PHASE - JBR-03 to JBR-01**

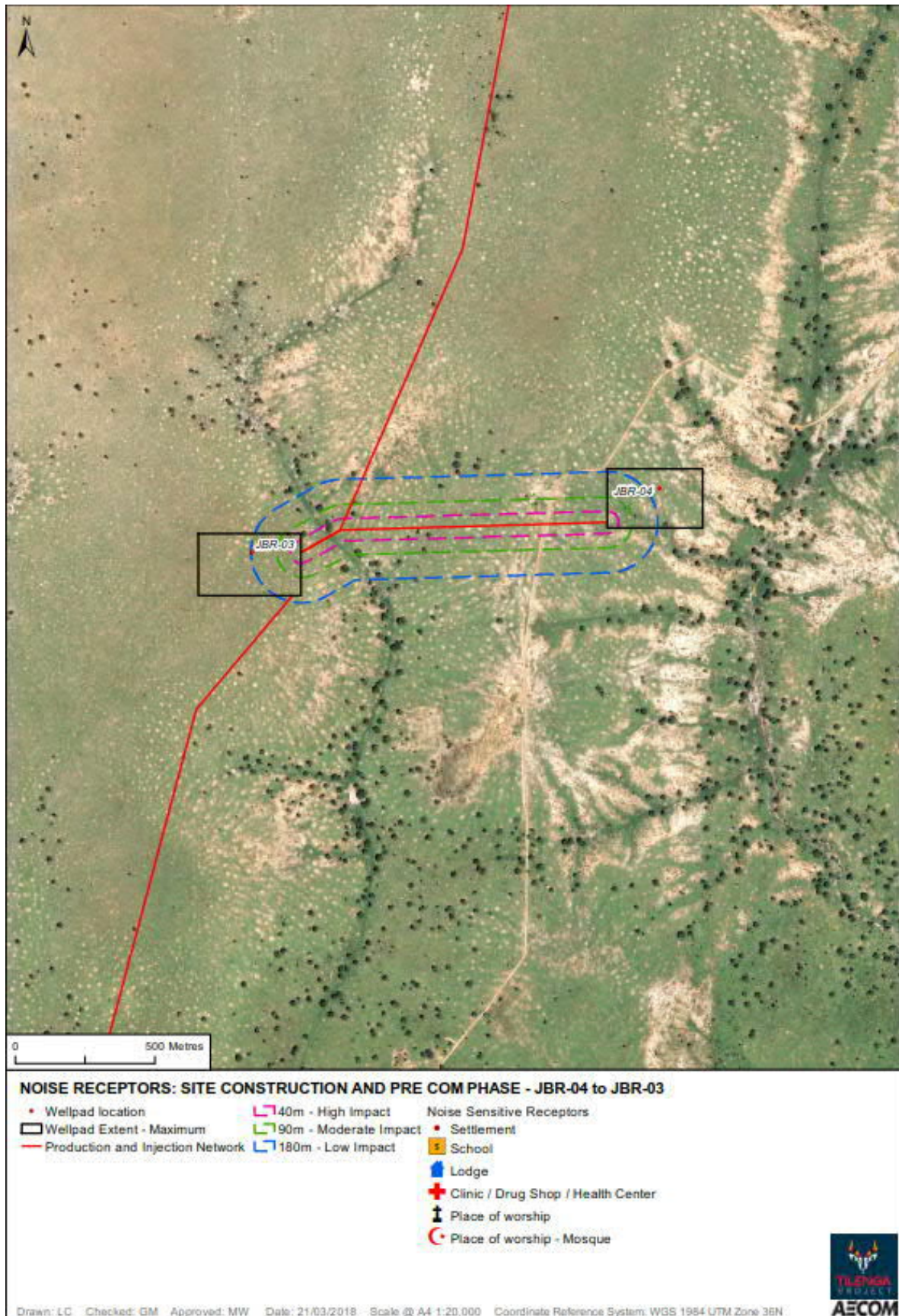
- |                                    |                       |                                      |
|------------------------------------|-----------------------|--------------------------------------|
| • Wellpad location                 | 40m - High Impact     | Noise Sensitive Receptors            |
| □ Wellpad Extent - Maximum         | 90m - Moderate Impact | • Settlement                         |
| — Production and Injection Network | 180m - Low Impact     | 🏫 School                             |
|                                    |                       | 🏠 Lodge                              |
|                                    |                       | ⛑ Clinic / Drug Shop / Health Center |
|                                    |                       | 🕌 Place of worship                   |
|                                    |                       | 🕌 Place of worship - Mosque          |

Drawn: LC Checked: GM Approved: MW Date: 05/02/2019 Scale @ A4 1:20,000 Coordinate Reference System: WGS 1984 UTM Zone 36N



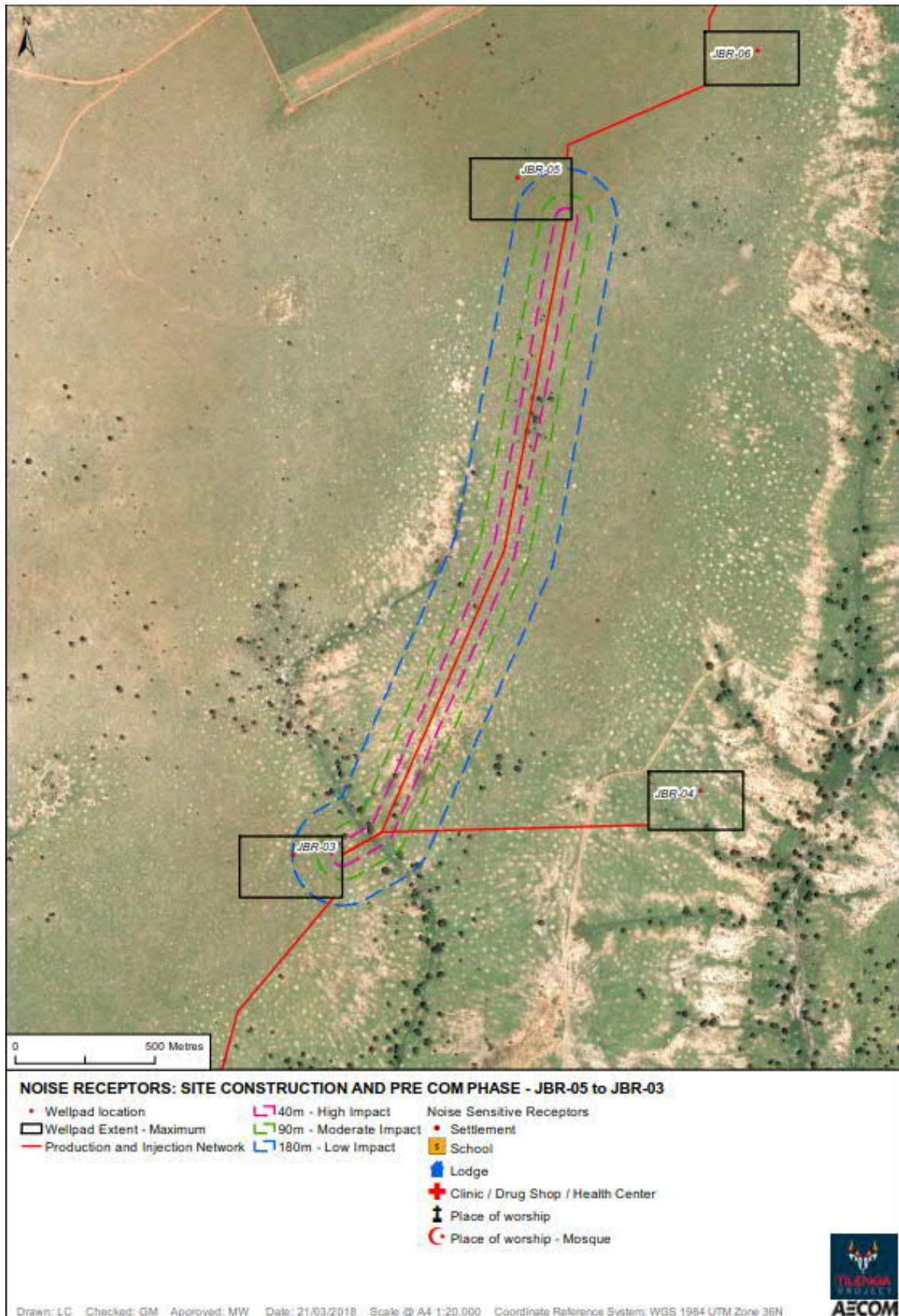


**Figure I3-43: Production and Injection Network Construction Receptor Analysis – JBR-04 to JBR-03**



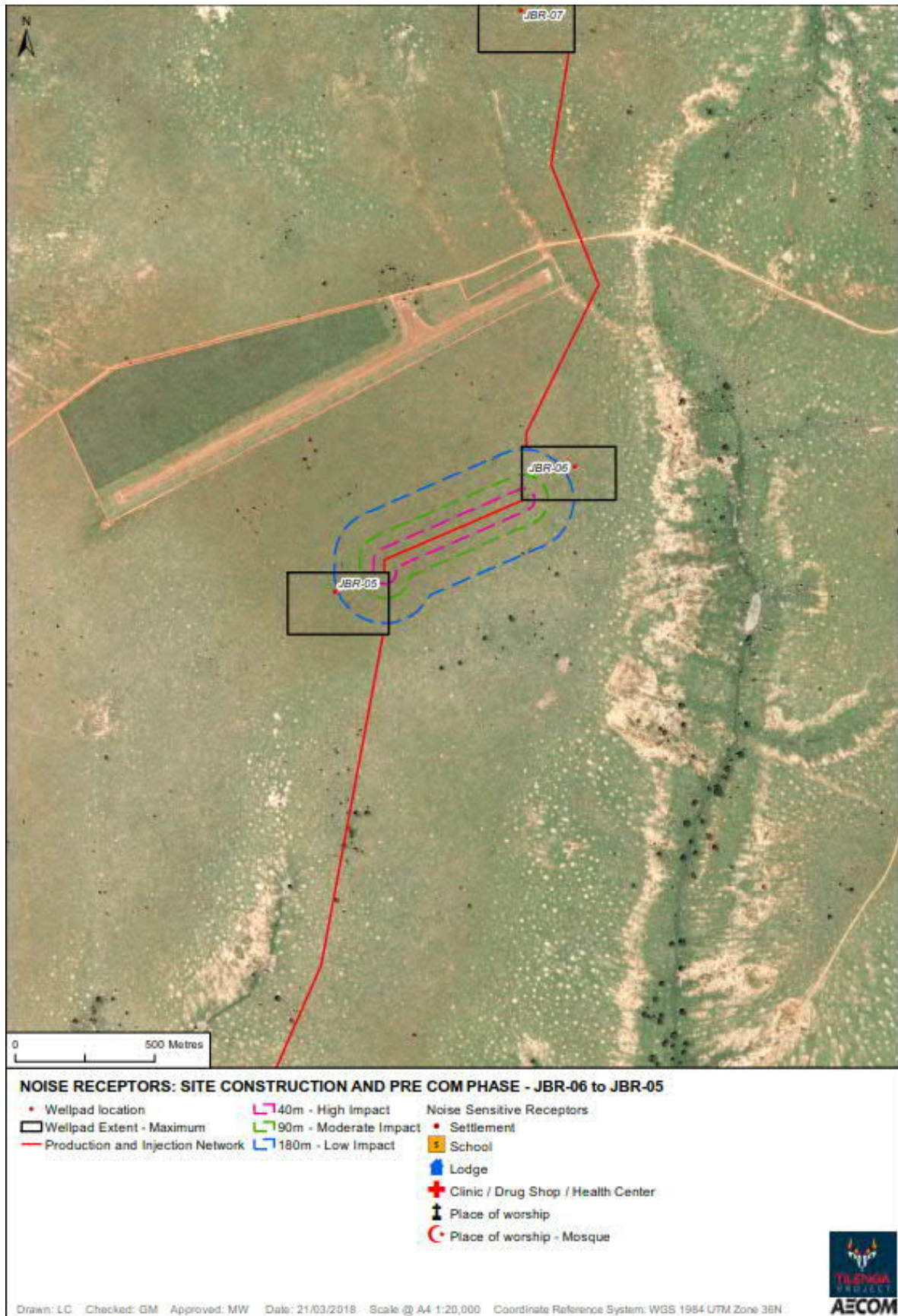


**Figure I3-44: Production and Injection Network Construction Receptor Analysis – JBR-05 to JBR-03**



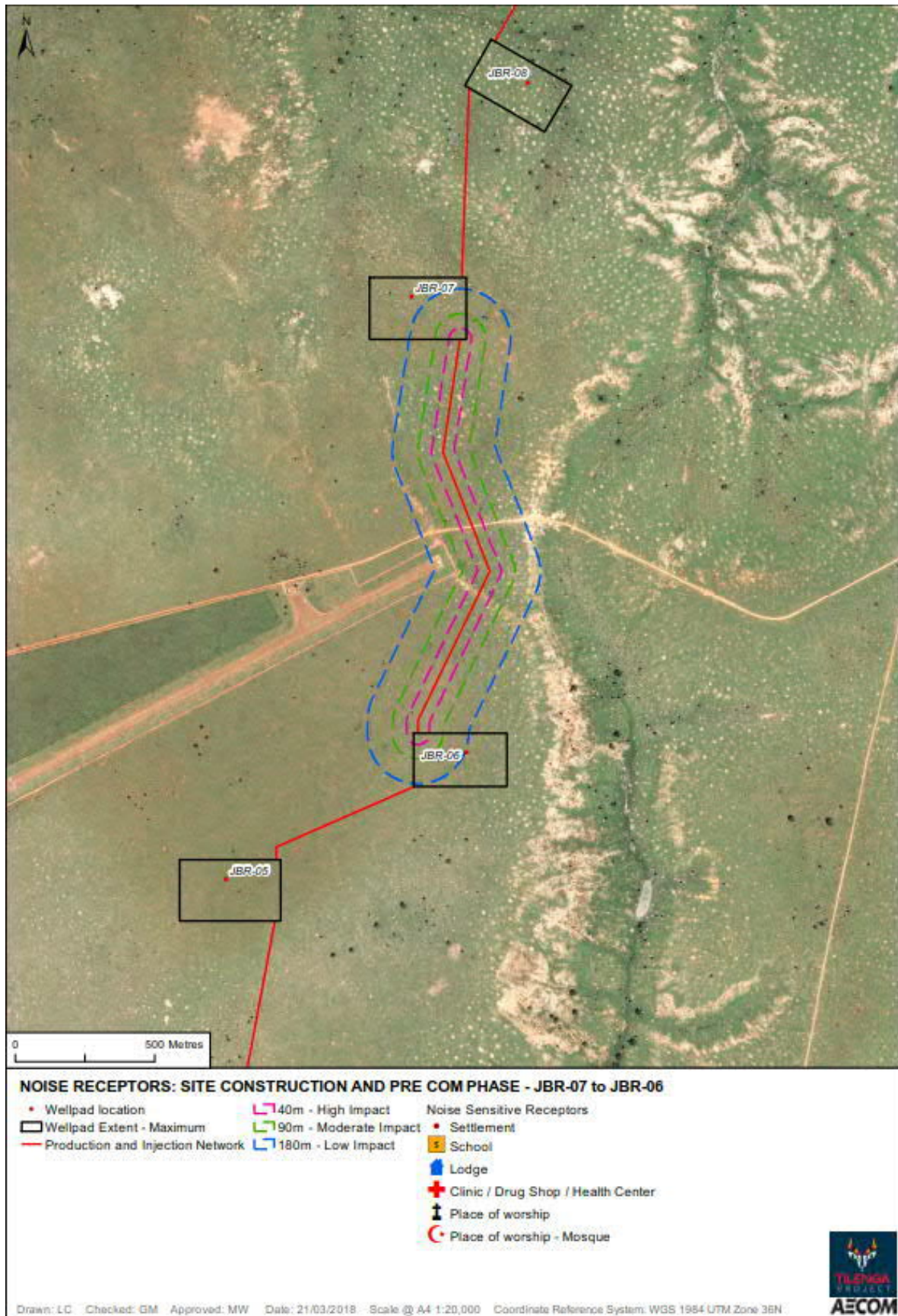


**Figure I3-45: Production and Injection Network Construction Receptor Analysis – JBR-06 to JBR-05**



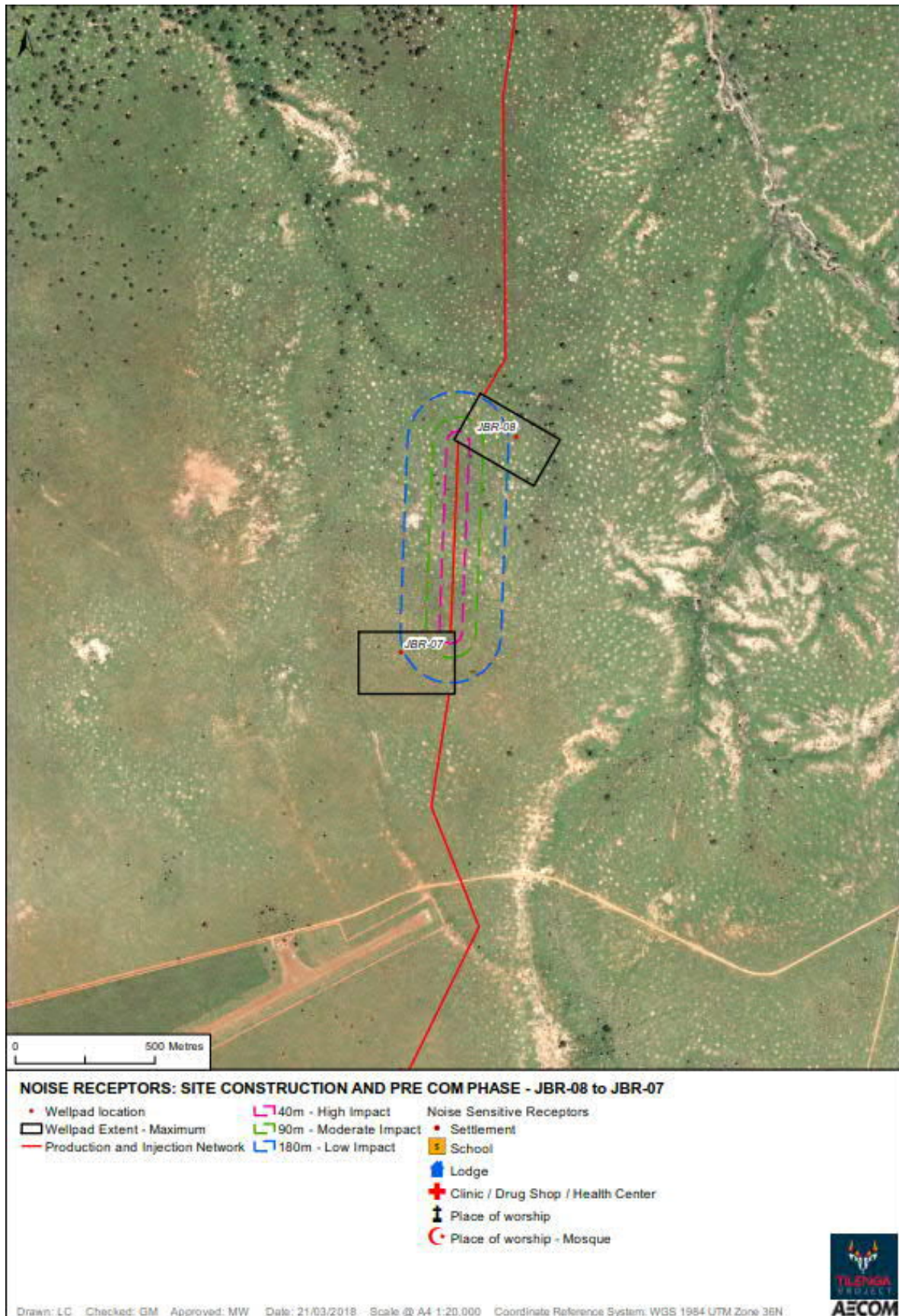


**Figure I3-46: Production and Injection Network Construction Receptor Analysis – JBR-07 to JBR-08**



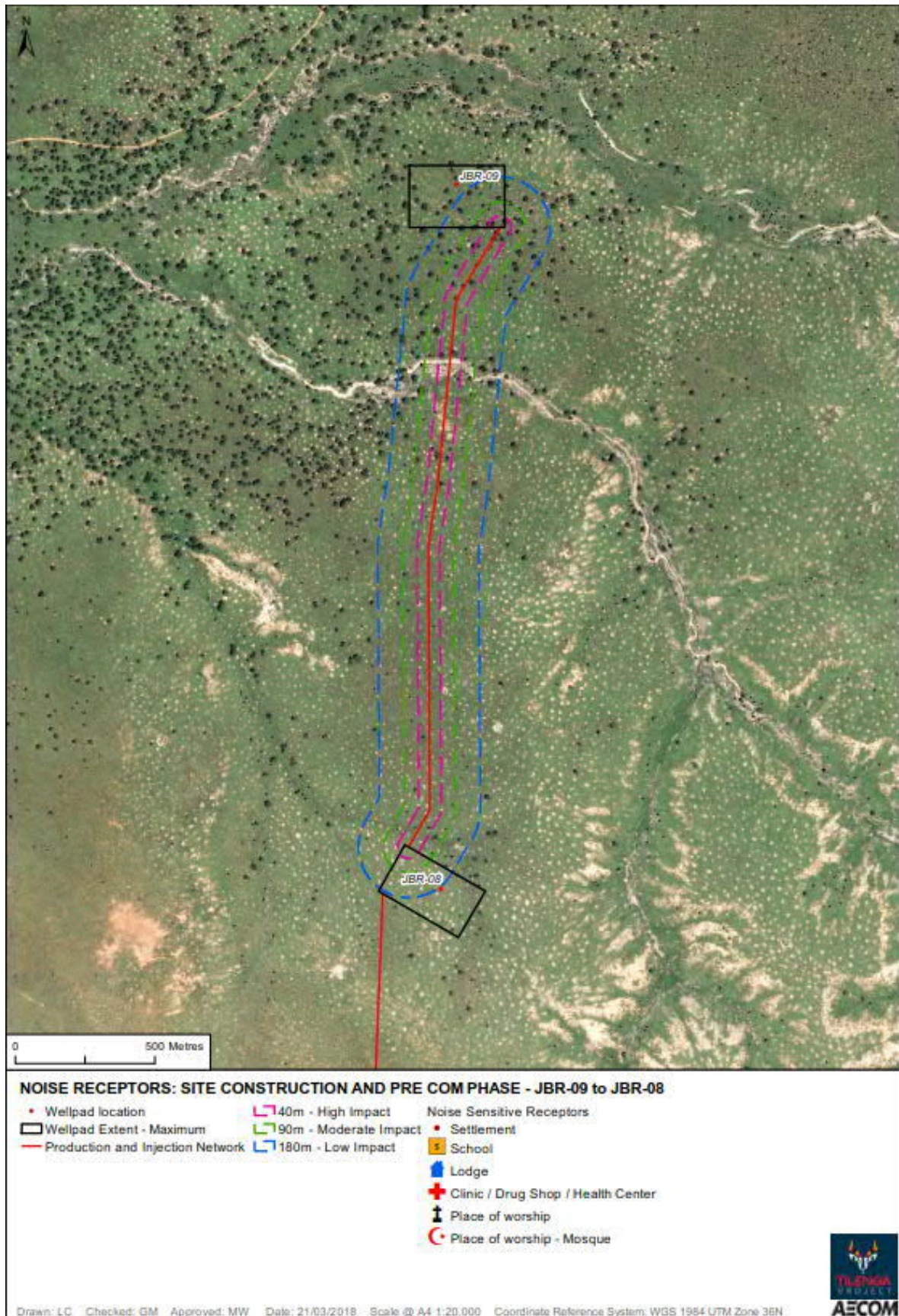


**Figure I3-47: Production and Injection Network Construction Receptor Analysis – JBR-08 to JBR-07**



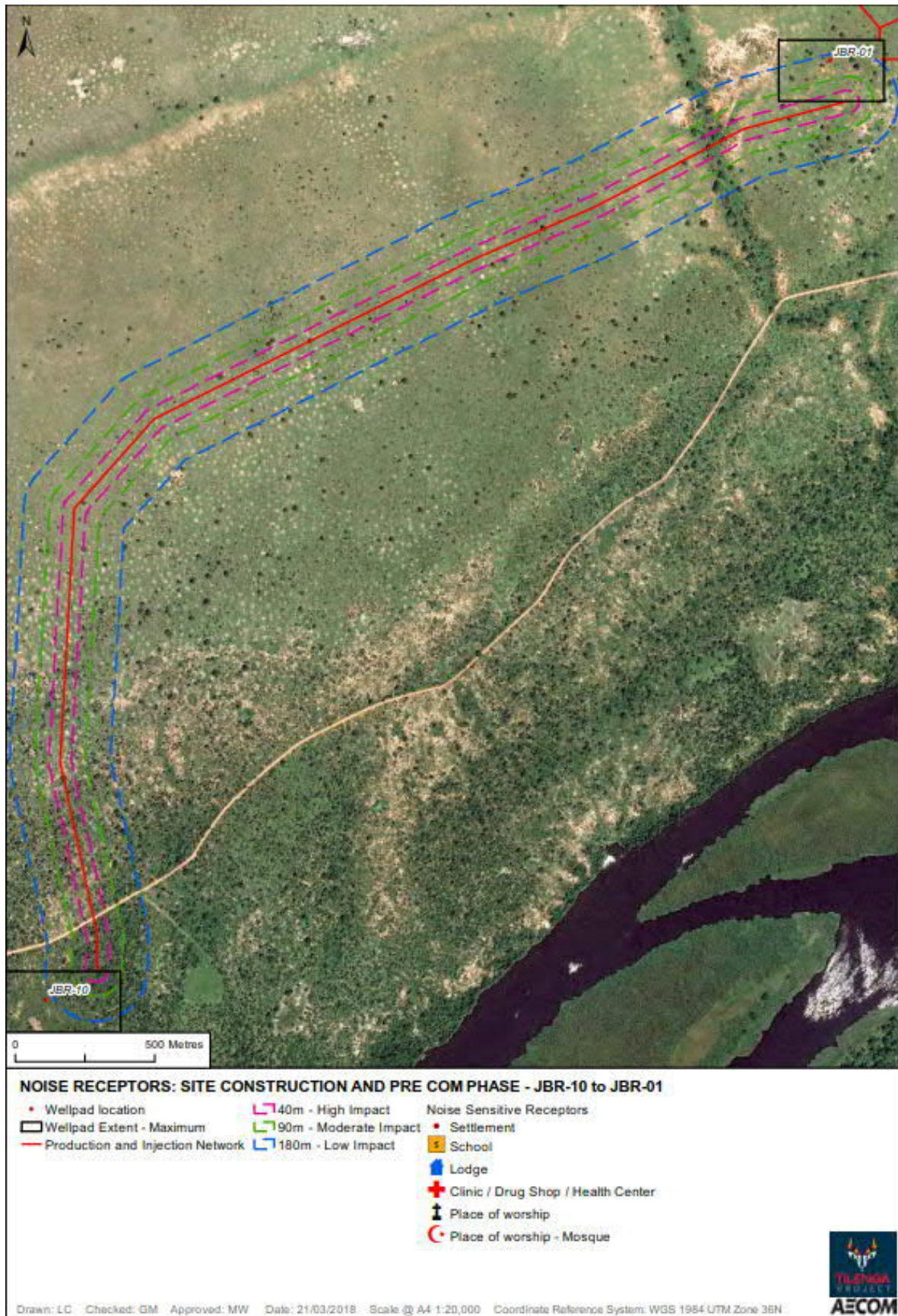


**Figure I3-48: Production and Injection Network Construction Receptor Analysis – JBR-09 to JBR-08**



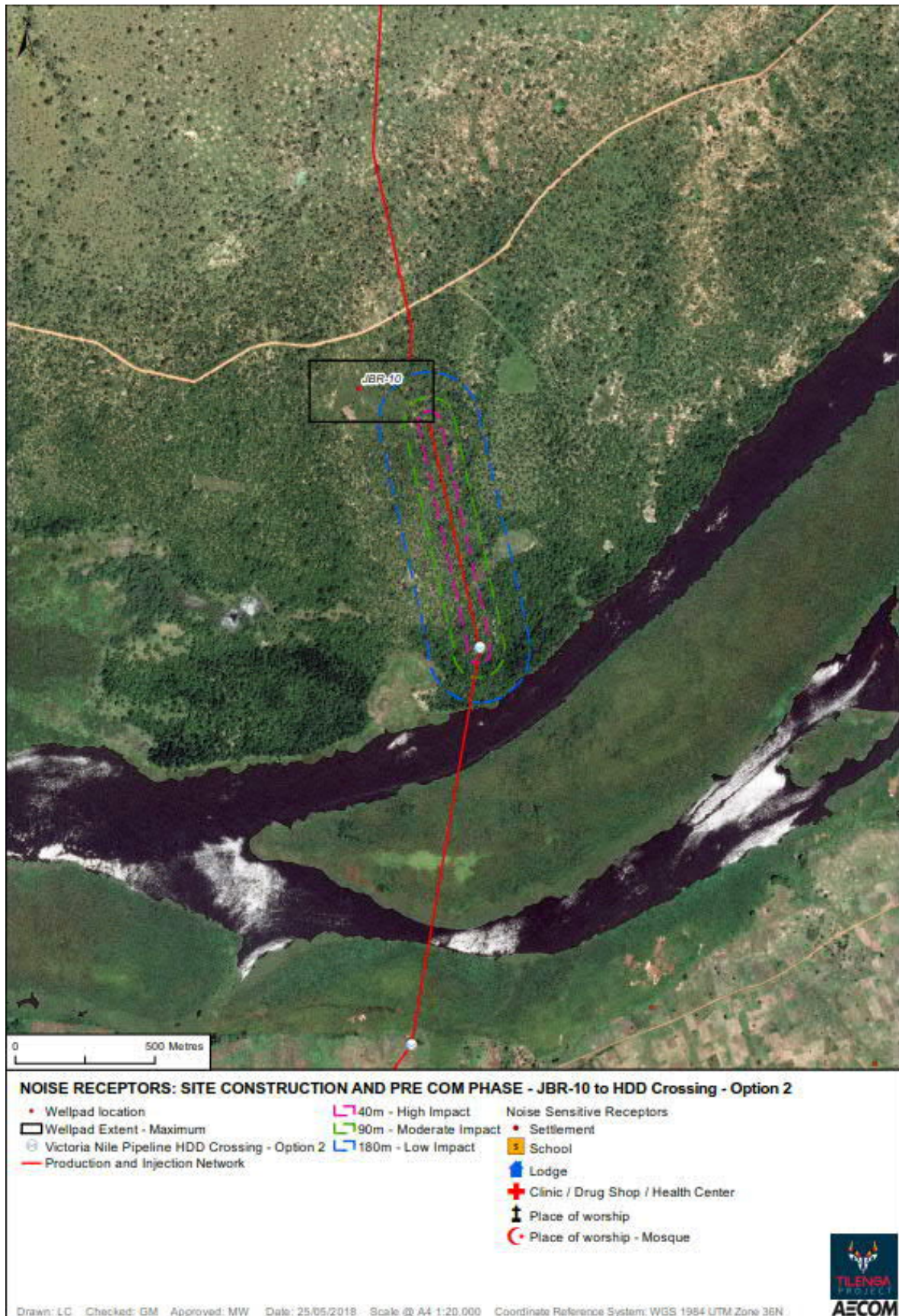


**Figure I3-49: Production and Injection Network Construction Receptor Analysis – JBR-10 to JBR-01**



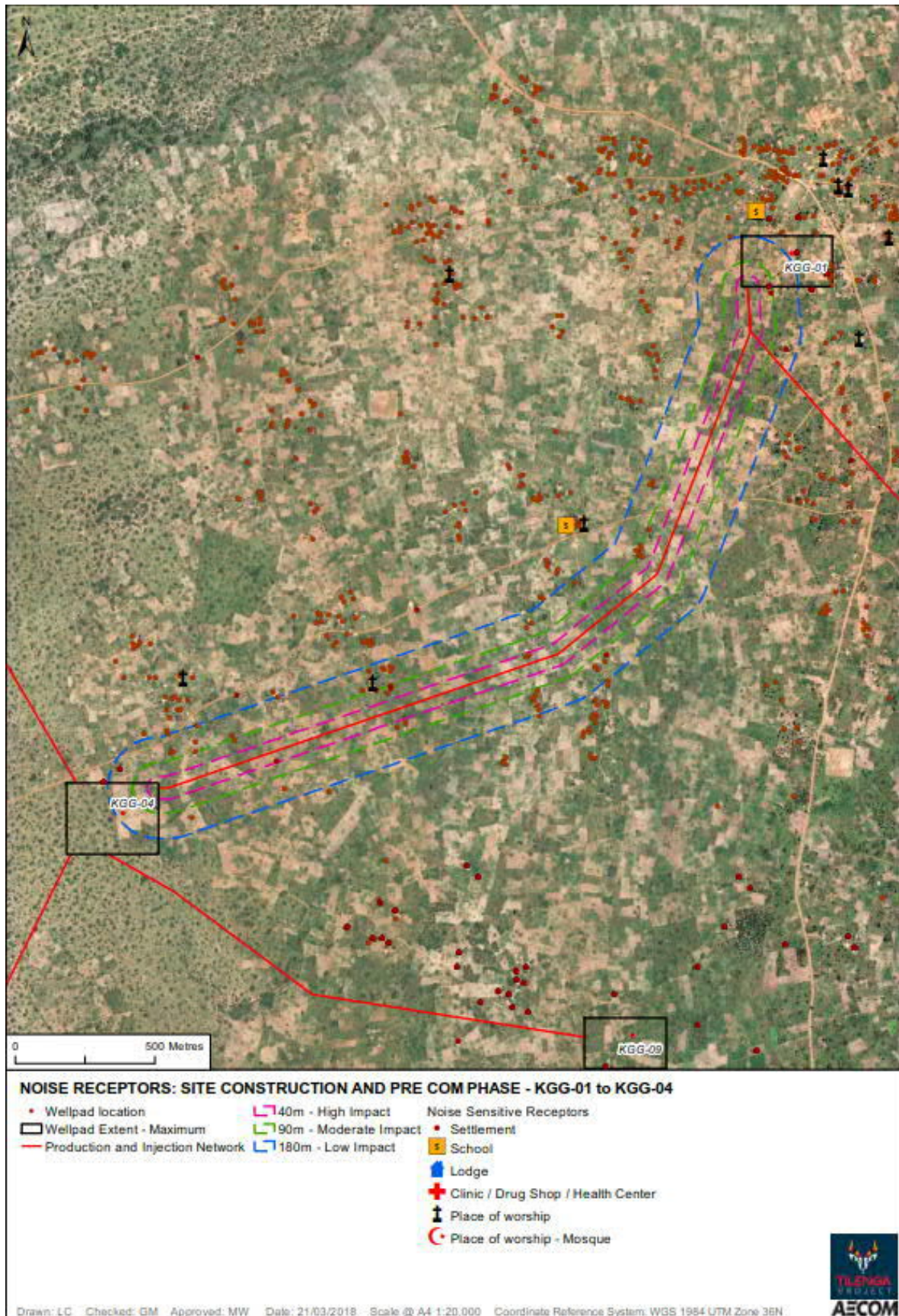


**Figure I3-50: Production and Injection Network Construction Receptor Analysis – JBR-10 to HDD Crossing**





**Figure I3-51: Production and Injection Network Construction Receptor Analysis – KGG-01 to KGG-04**





**Figure I3-52: Production and Injection Network Construction Receptor Analysis – KGG-03 to KGG-01**

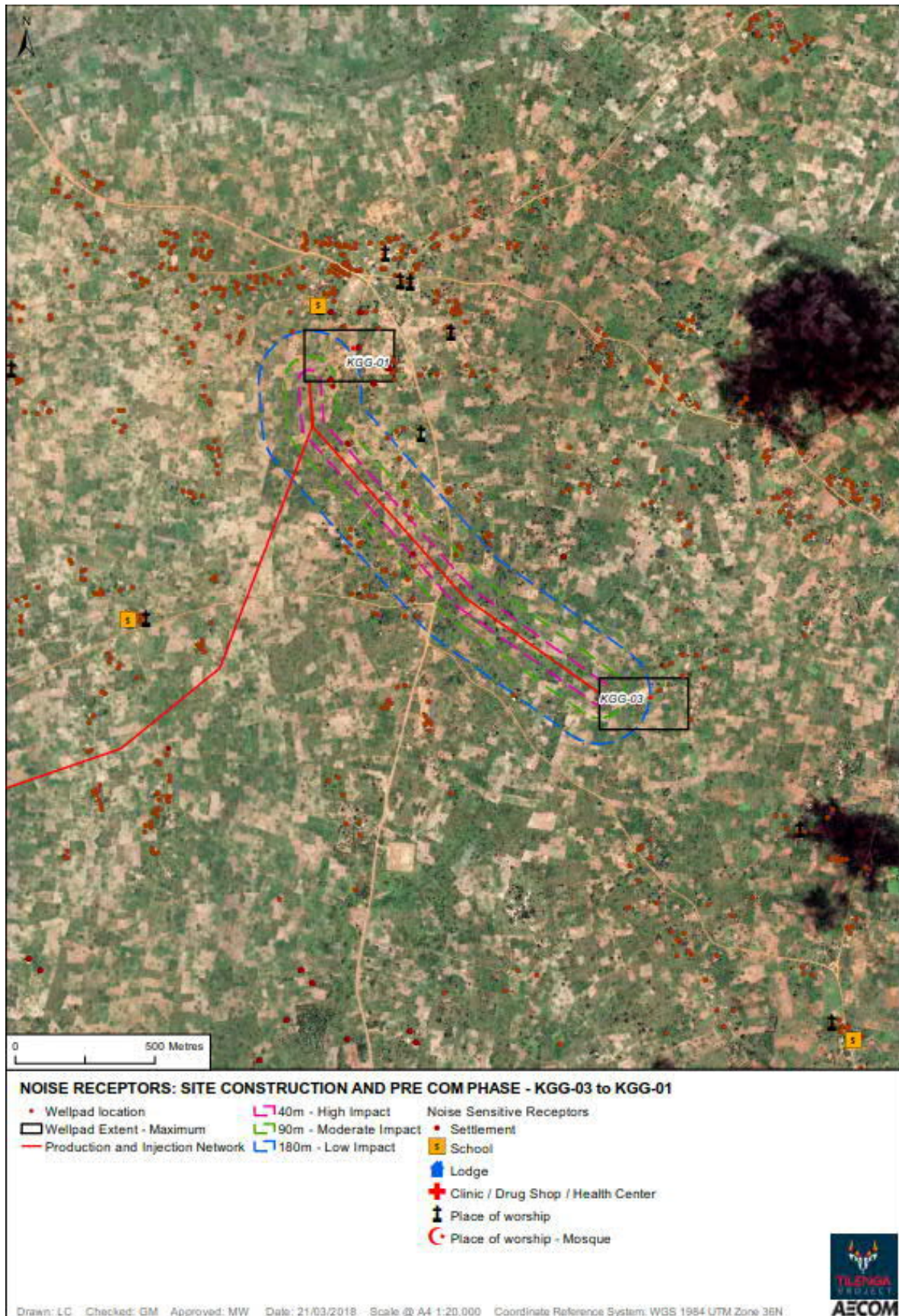
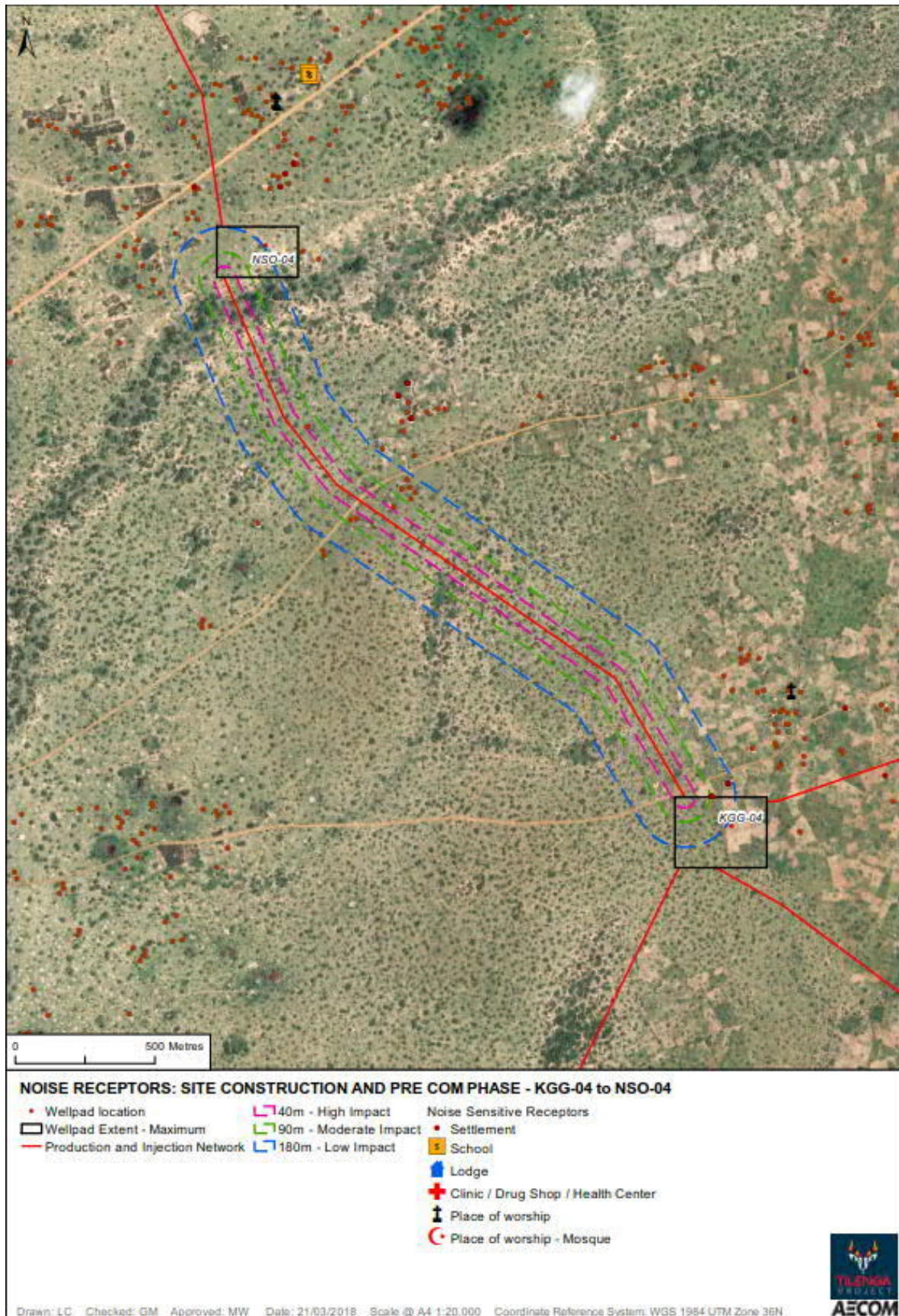


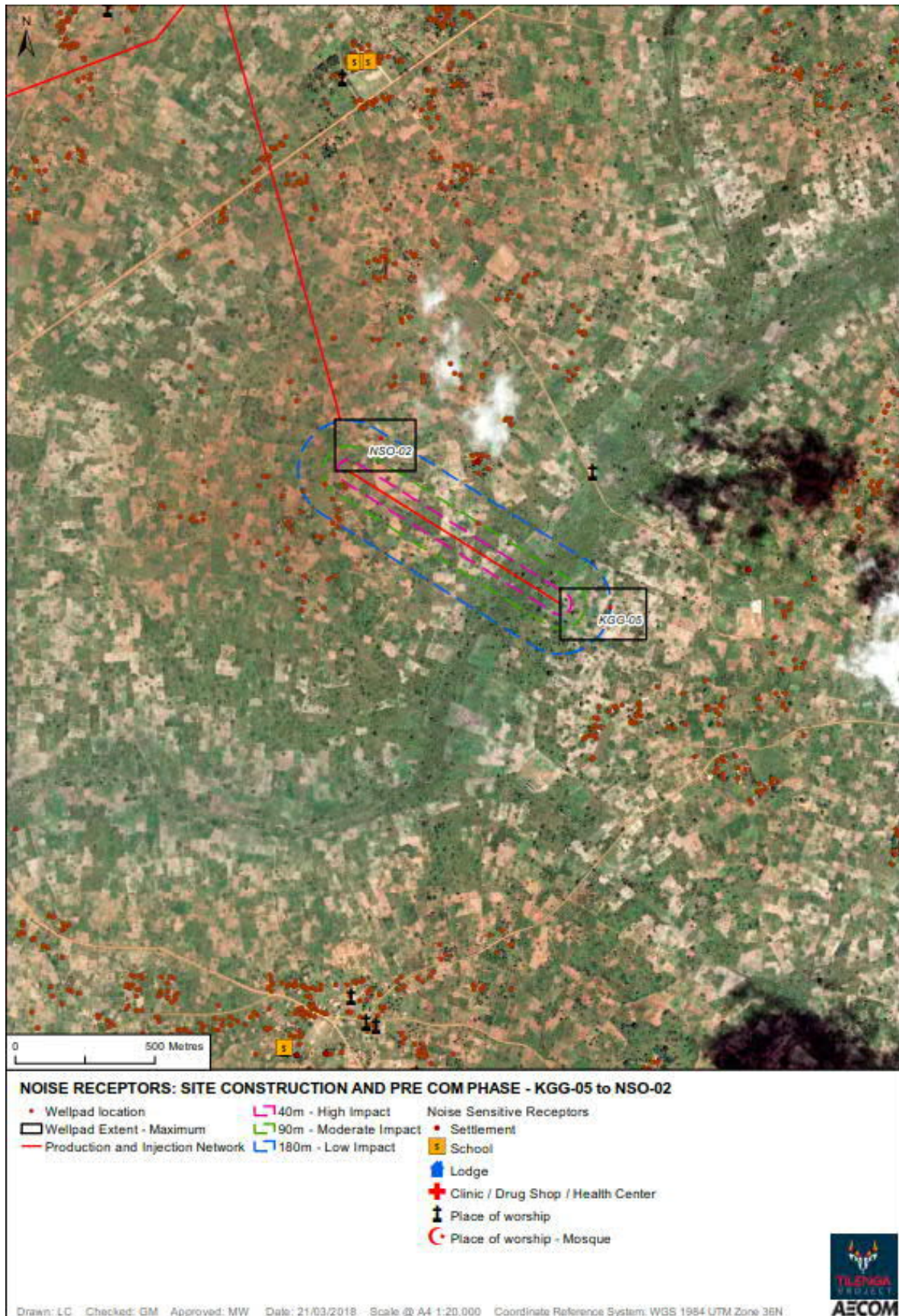


Figure I3-53: Production and Injection Network Construction Receptor Analysis – KGG-04 to NSO-04



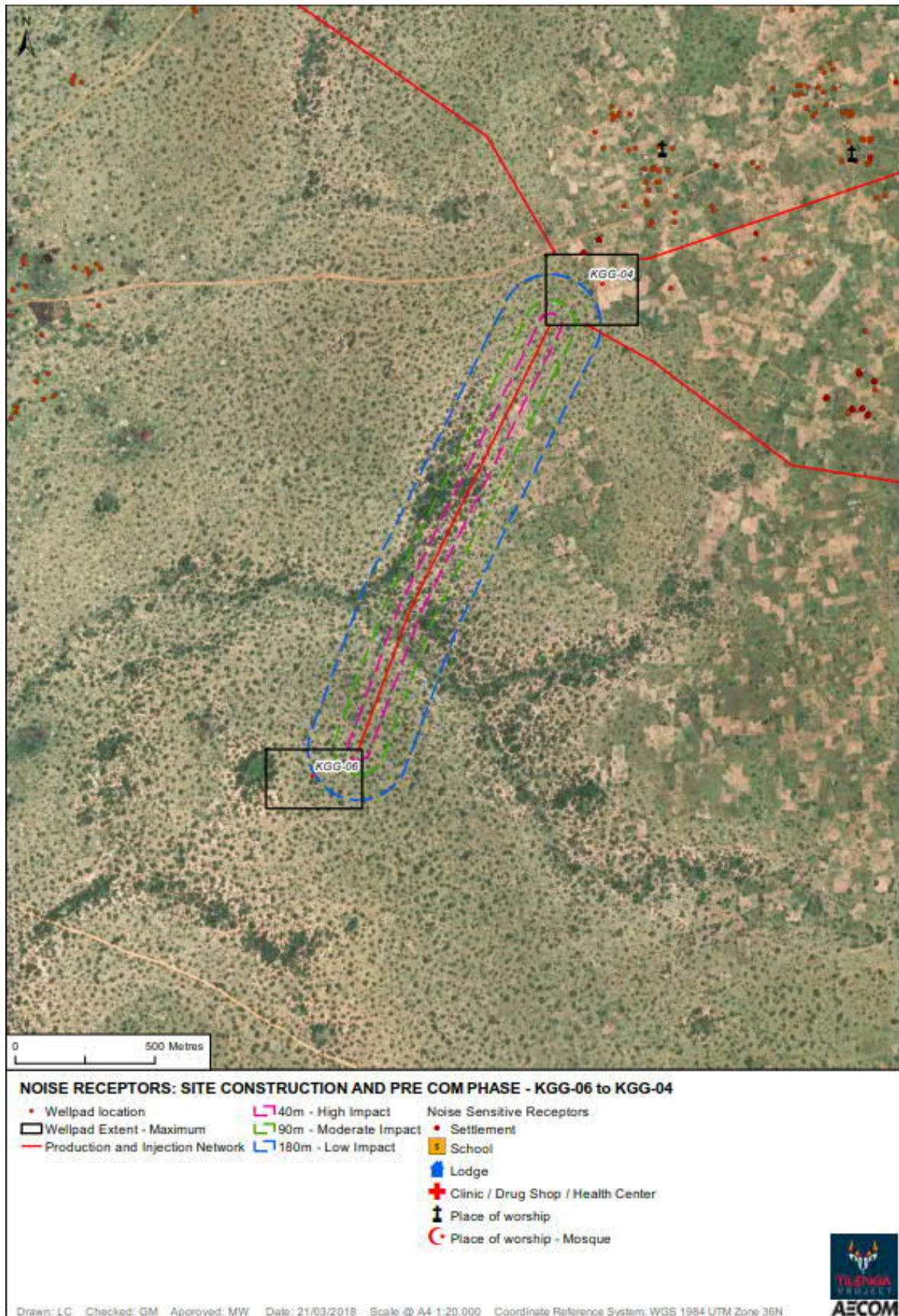


**Figure I3-54: Production and Injection Network Construction Receptor Analysis – KGG-05 to NSO-02**





**Figure I3-55: Production and Injection Network Construction Receptor Analysis – KGG-06 to KGG-04**





**Figure I3-56: Production and Injection Network Construction Receptor Analysis – KGG-09 to KGG-04**

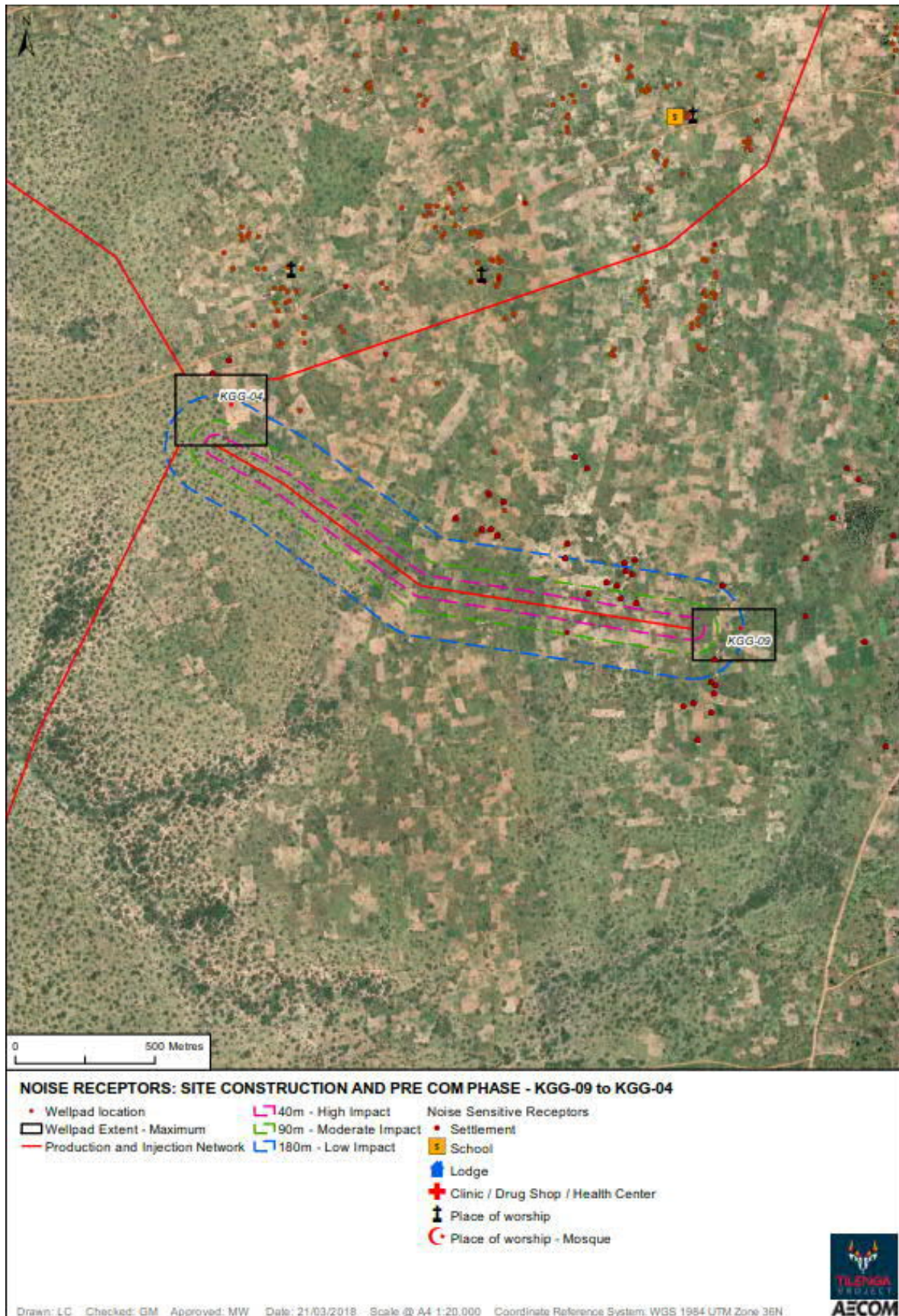
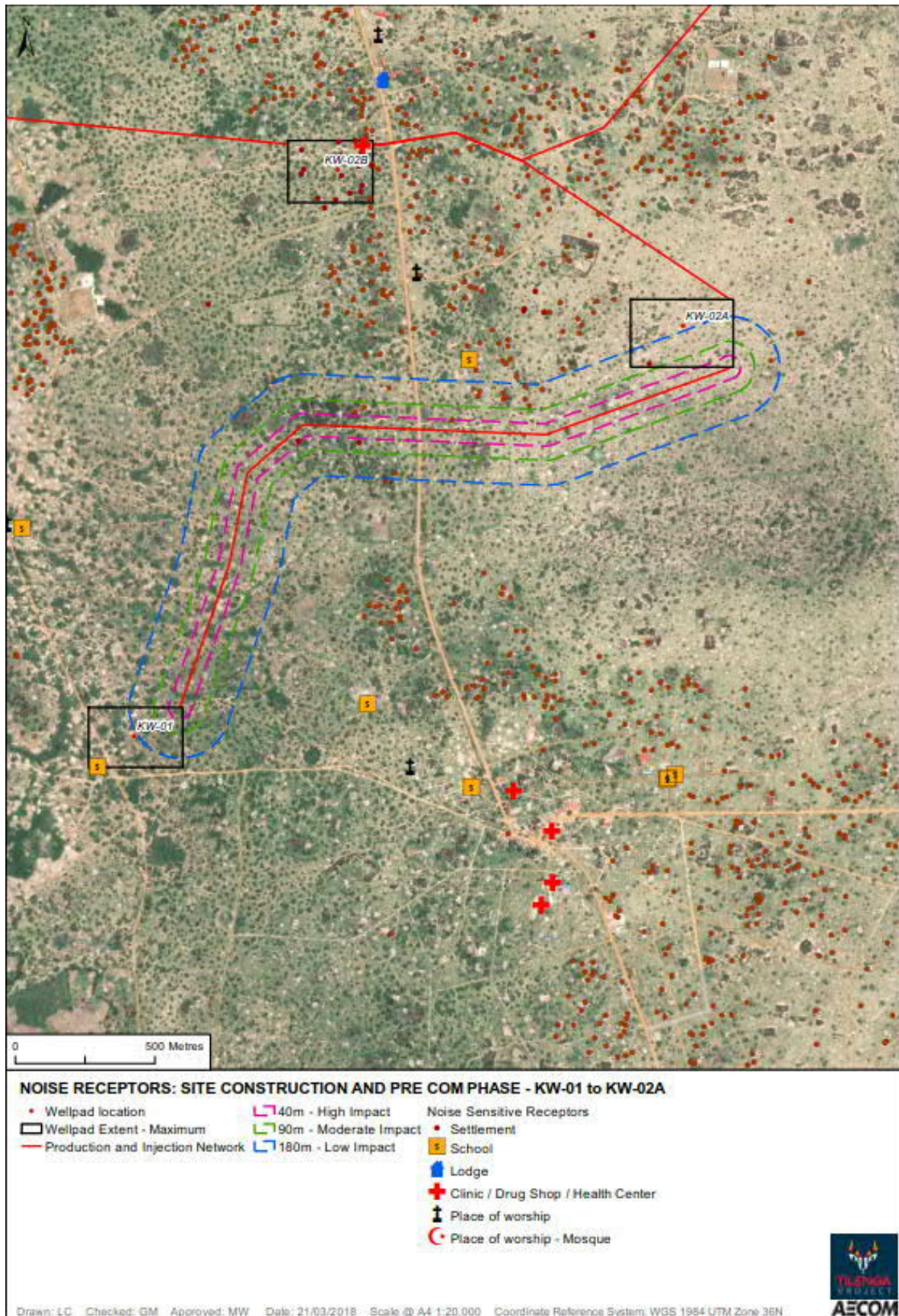


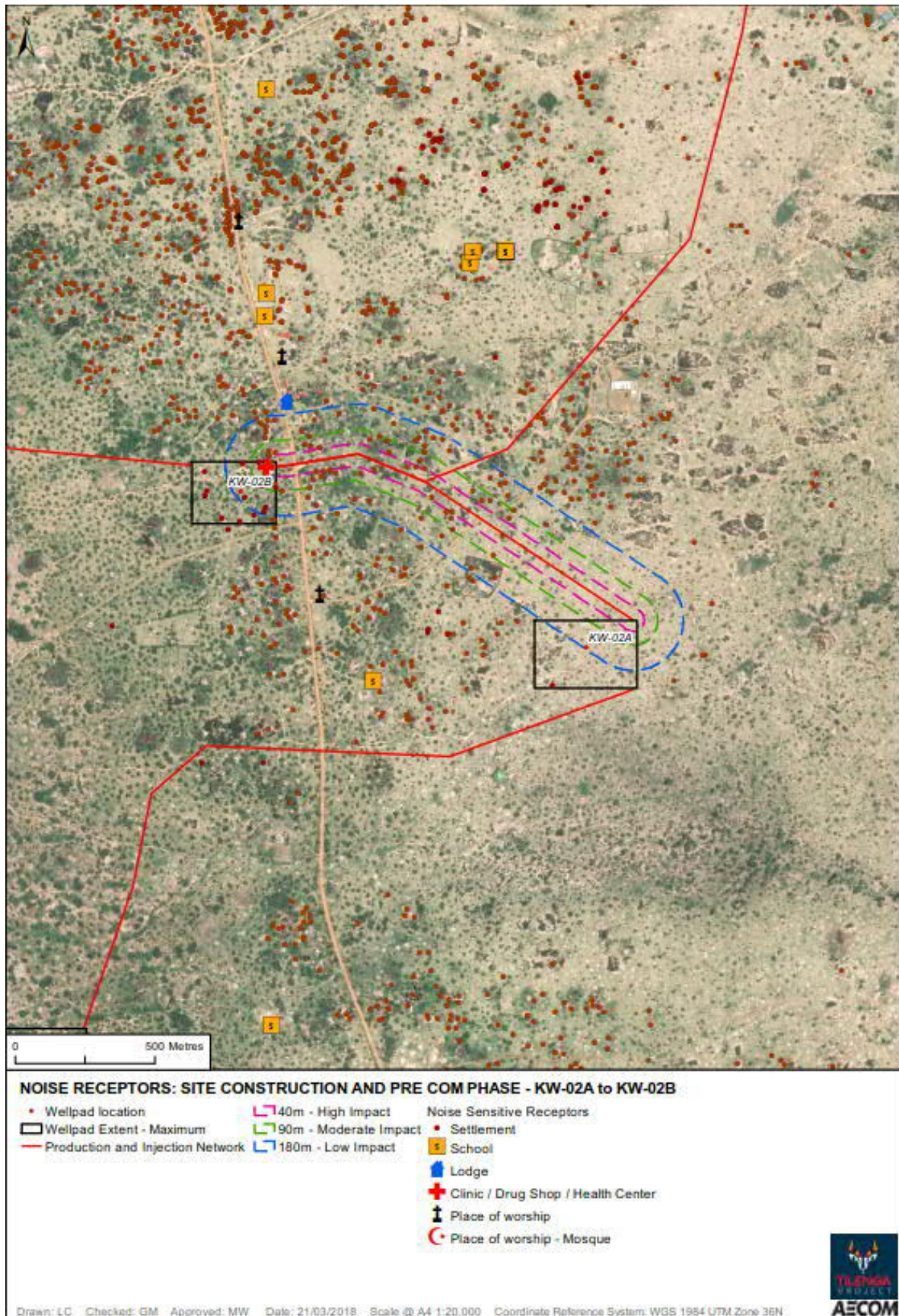


Figure I3-57: Production and Injection Network Construction Receptor Analysis – KW-01 to KW-02A





**Figure I3-58: Production and Injection Network Construction Receptor Analysis – KW-02A to KW-02B**





**Figure I3-59: Production and Injection Network Construction Receptor Analysis – KW-02B to NGR-06**

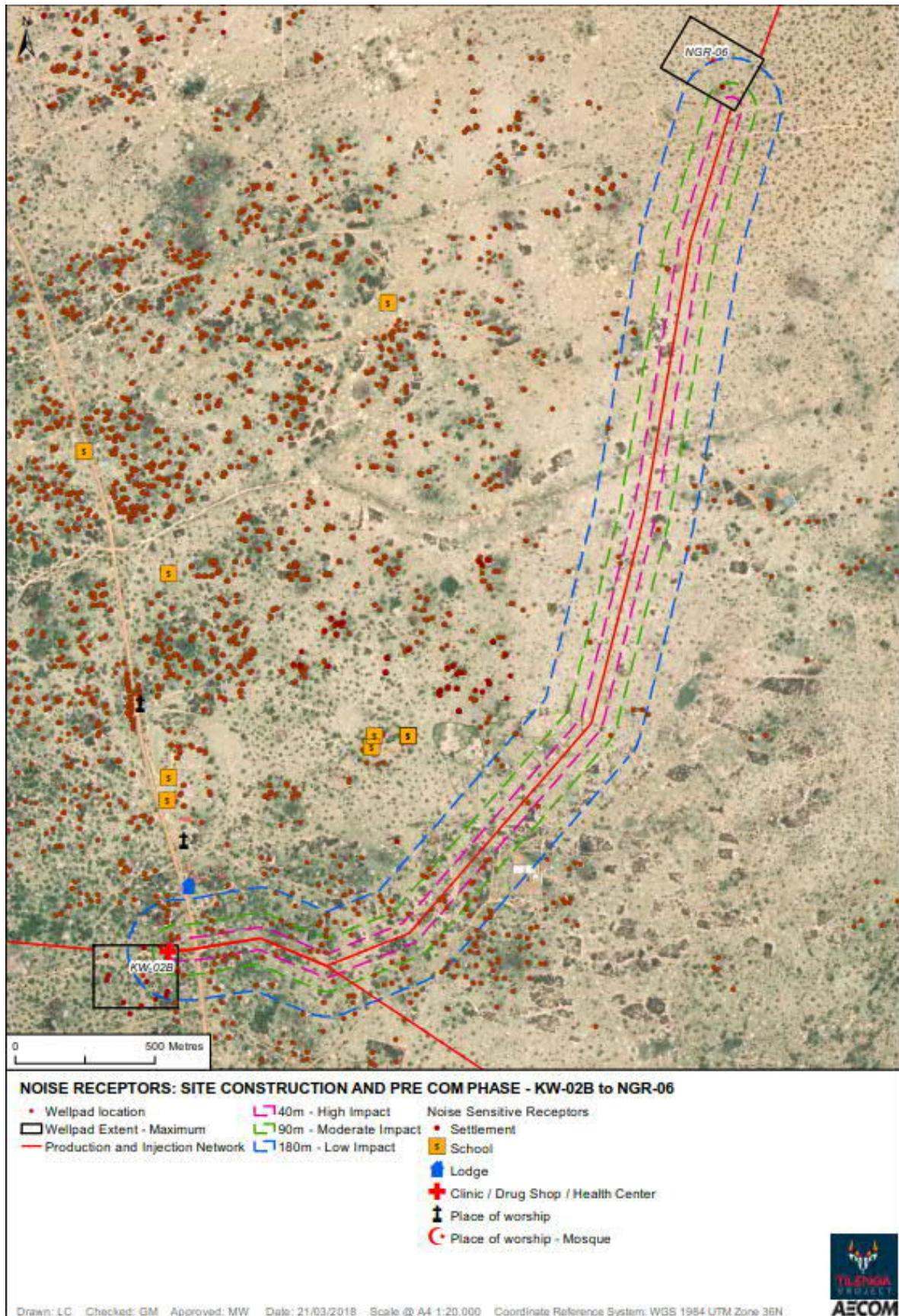




Figure I3-60: Production and Injection Network Construction Receptor Analysis – NGR-02 to NGR-01

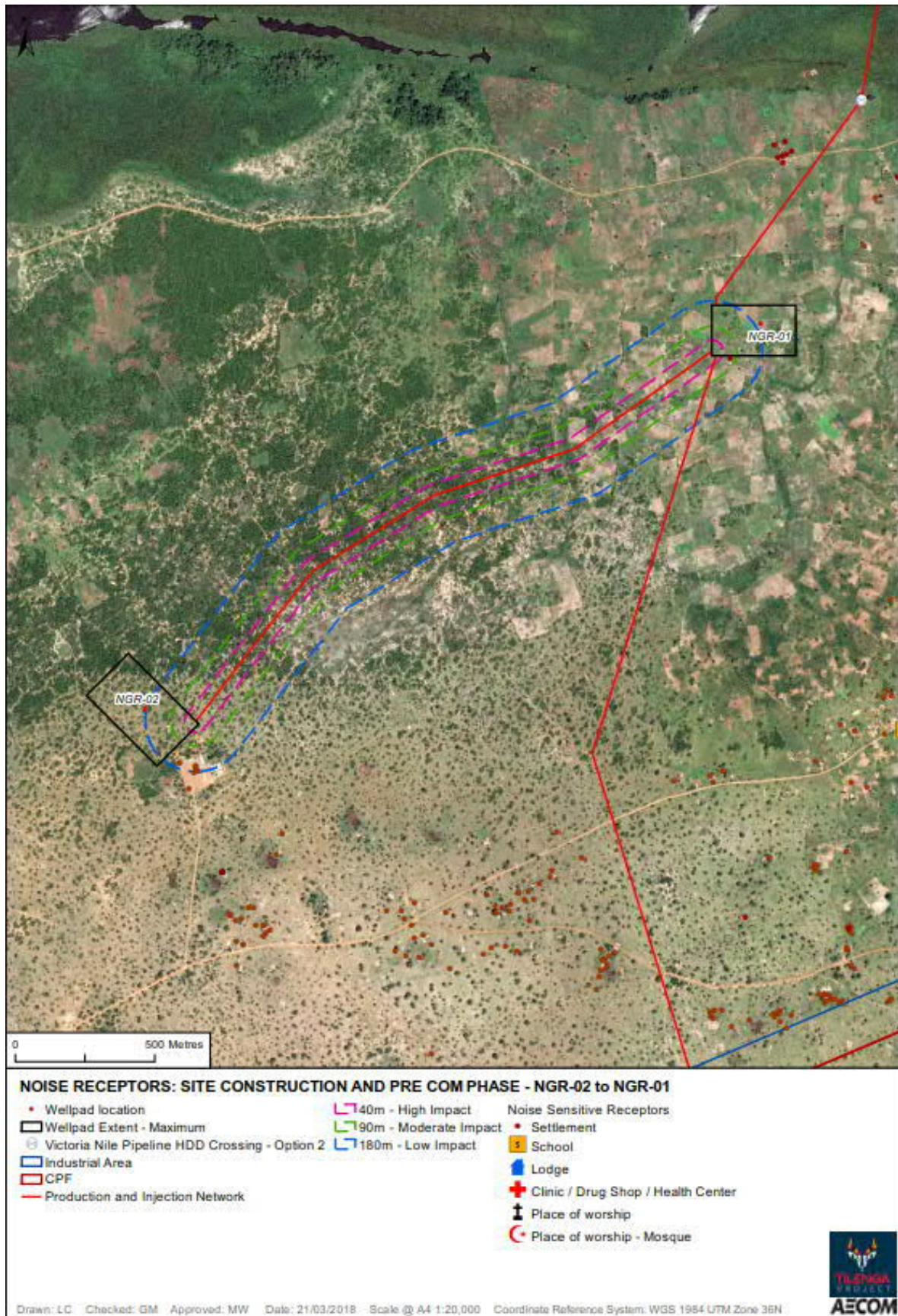
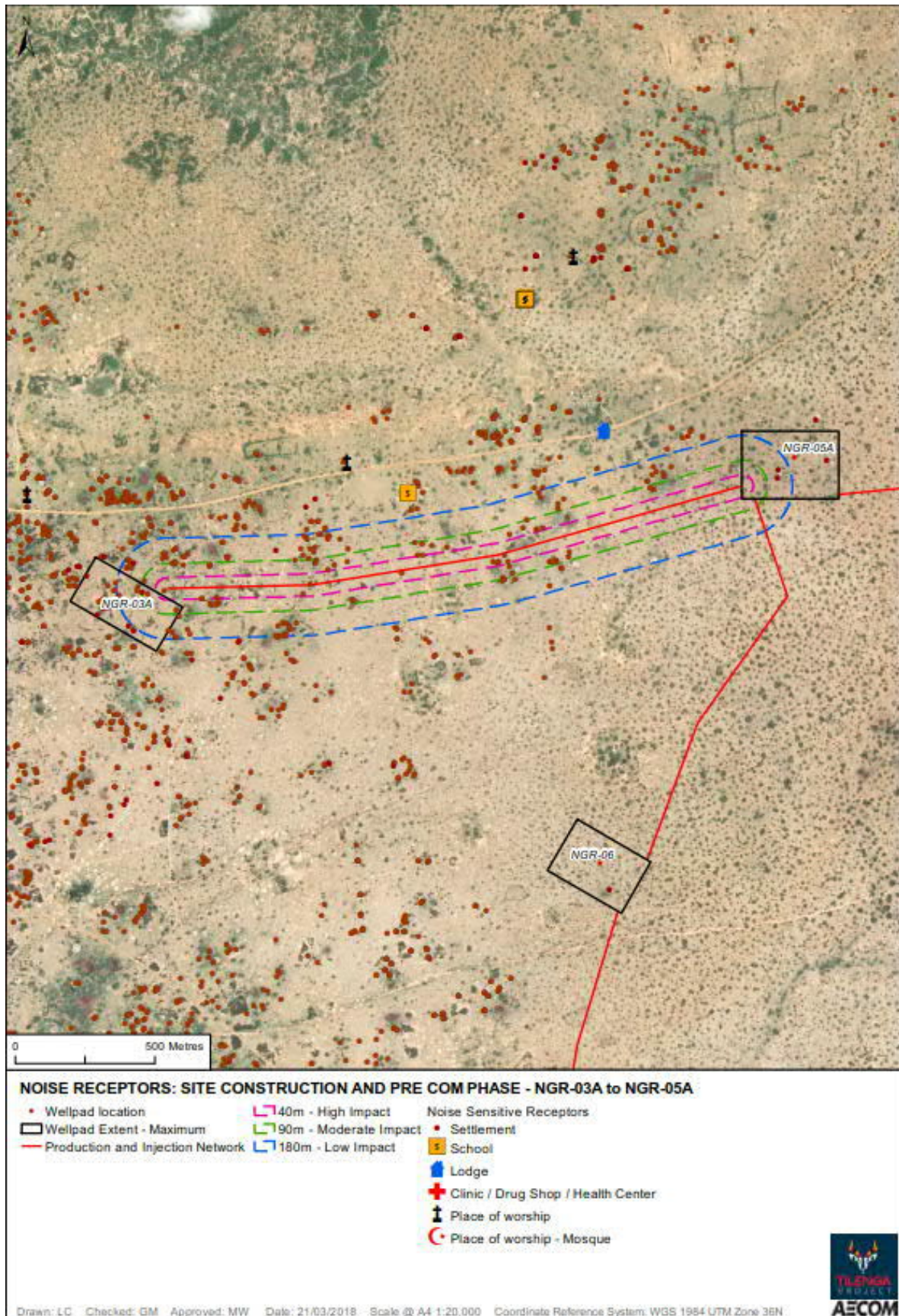




Figure I3-61: Production and Injection Network Construction Receptor Analysis – NGR-03A to NGR-05A





**Figure I3-62: Production and Injection Network Construction Receptor Analysis – NGR-05A to CPF**

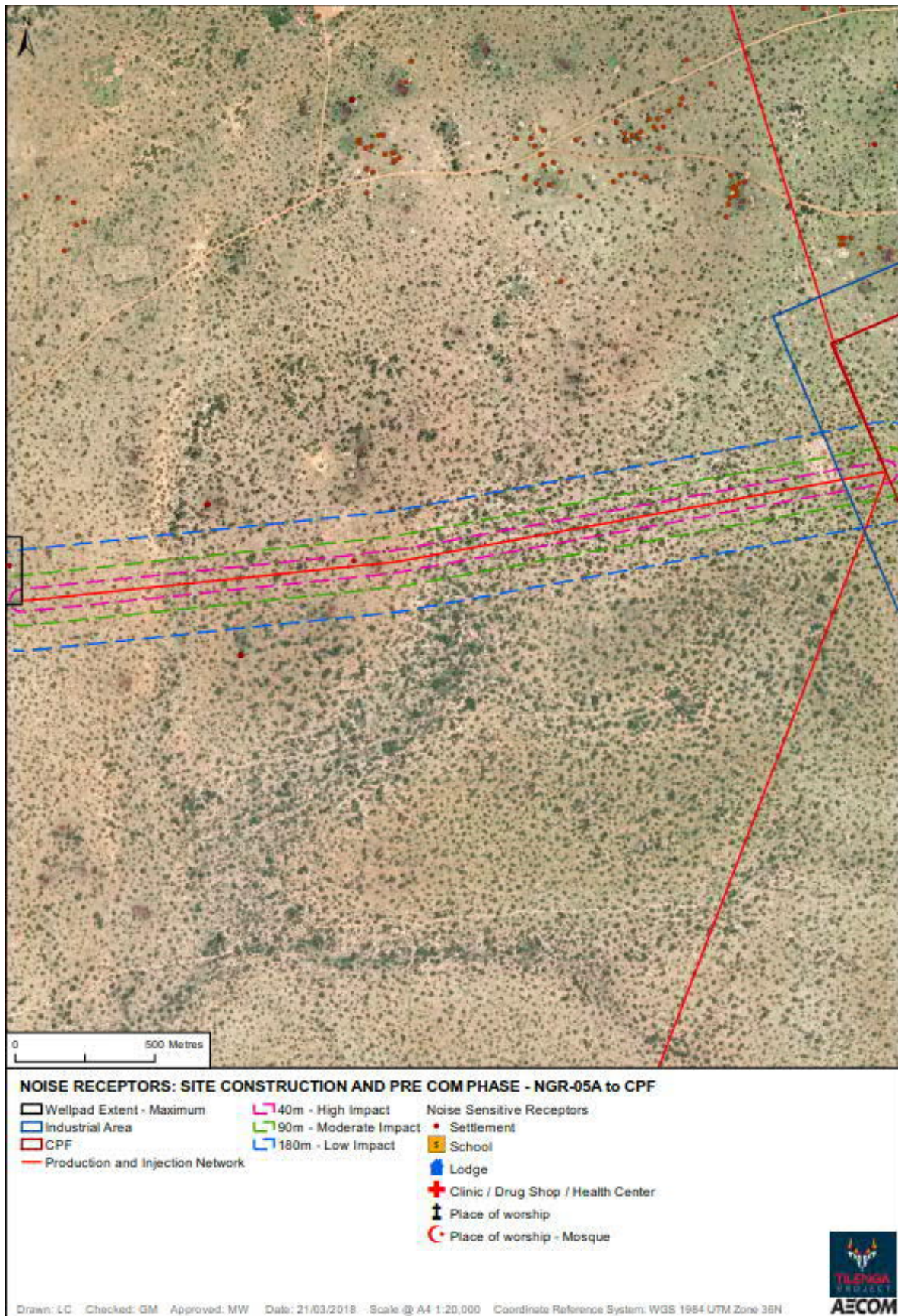
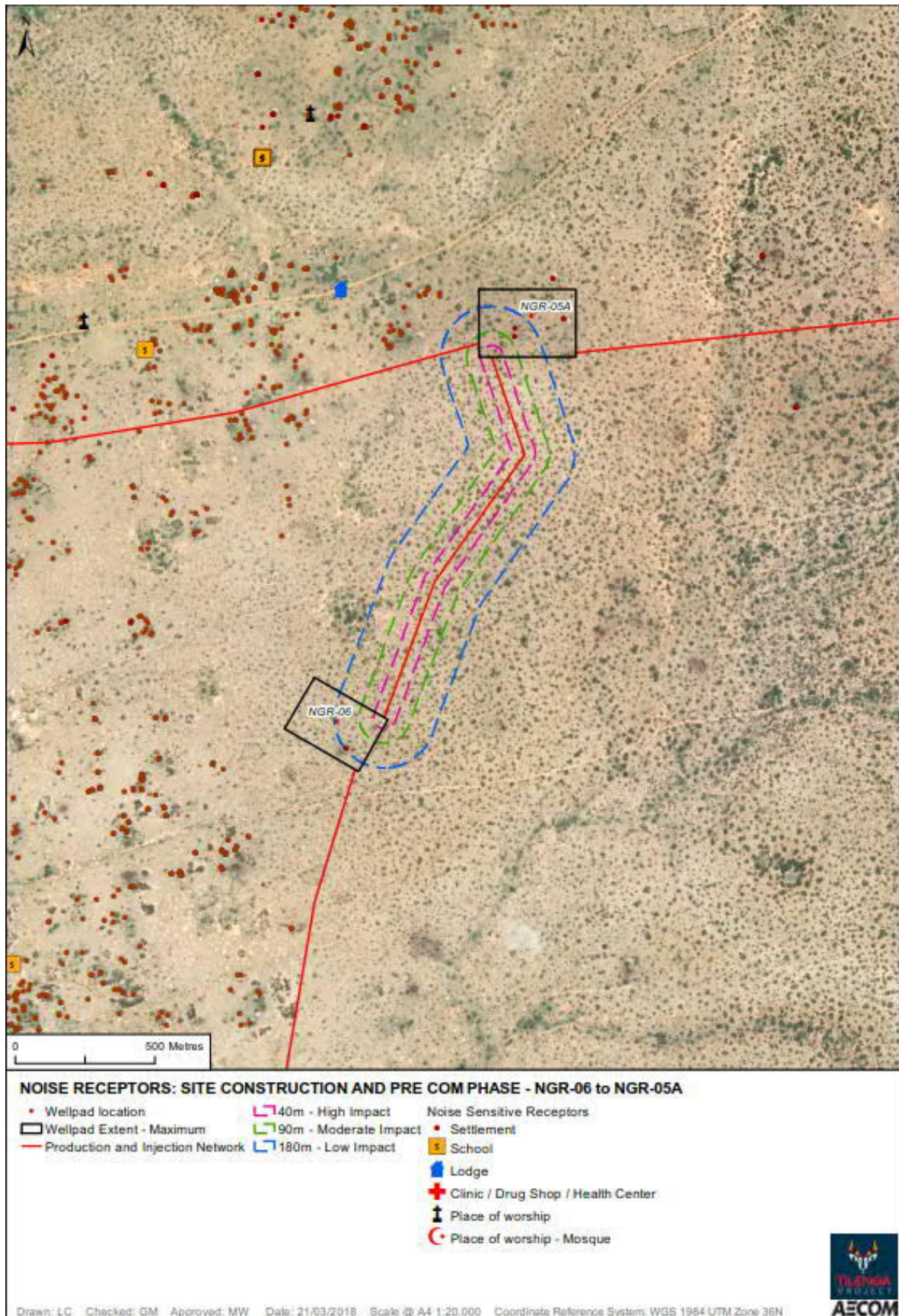


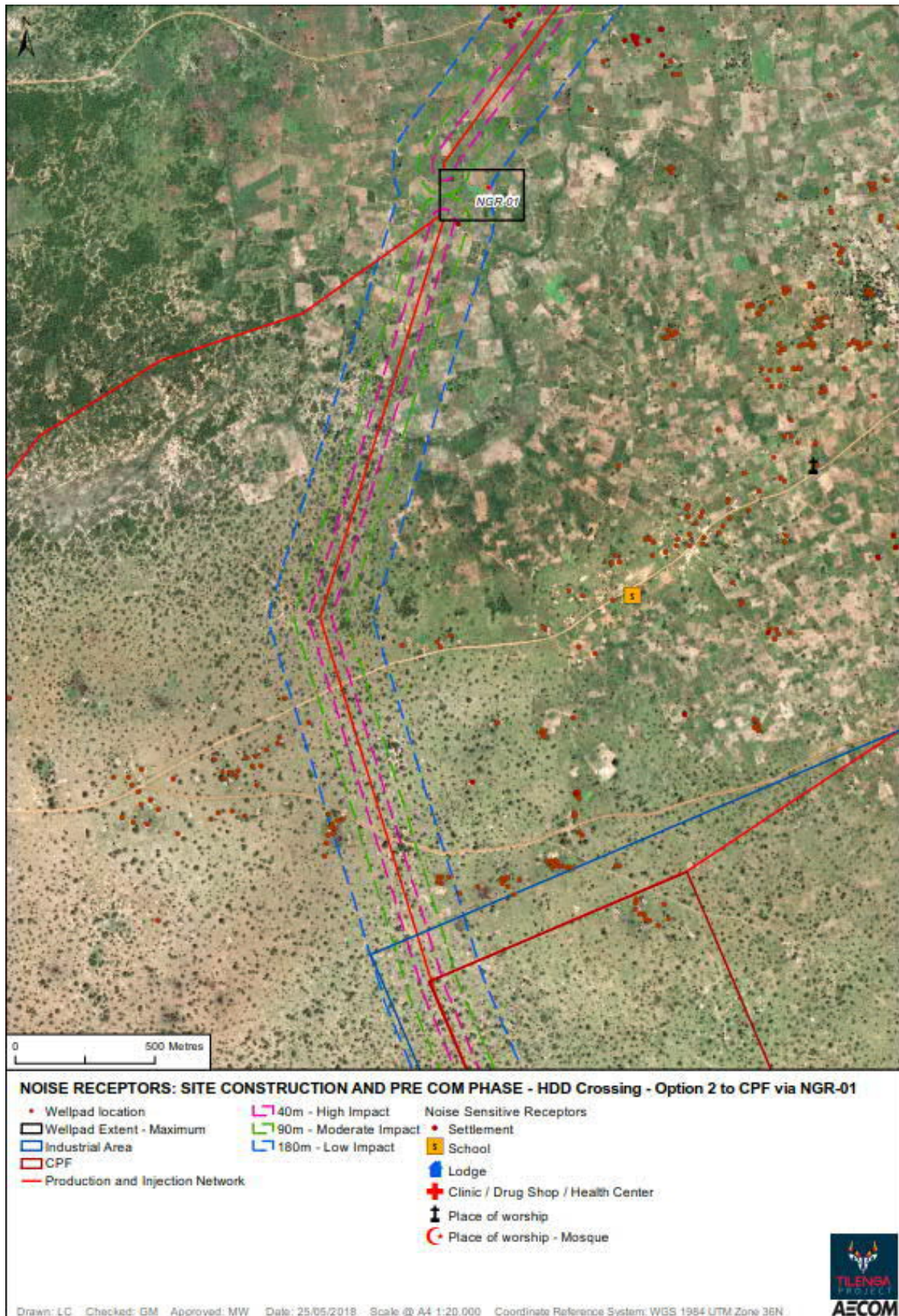


Figure I3-63: Production and Injection Network Construction Receptor Analysis – NGR-06 to NGR-05A



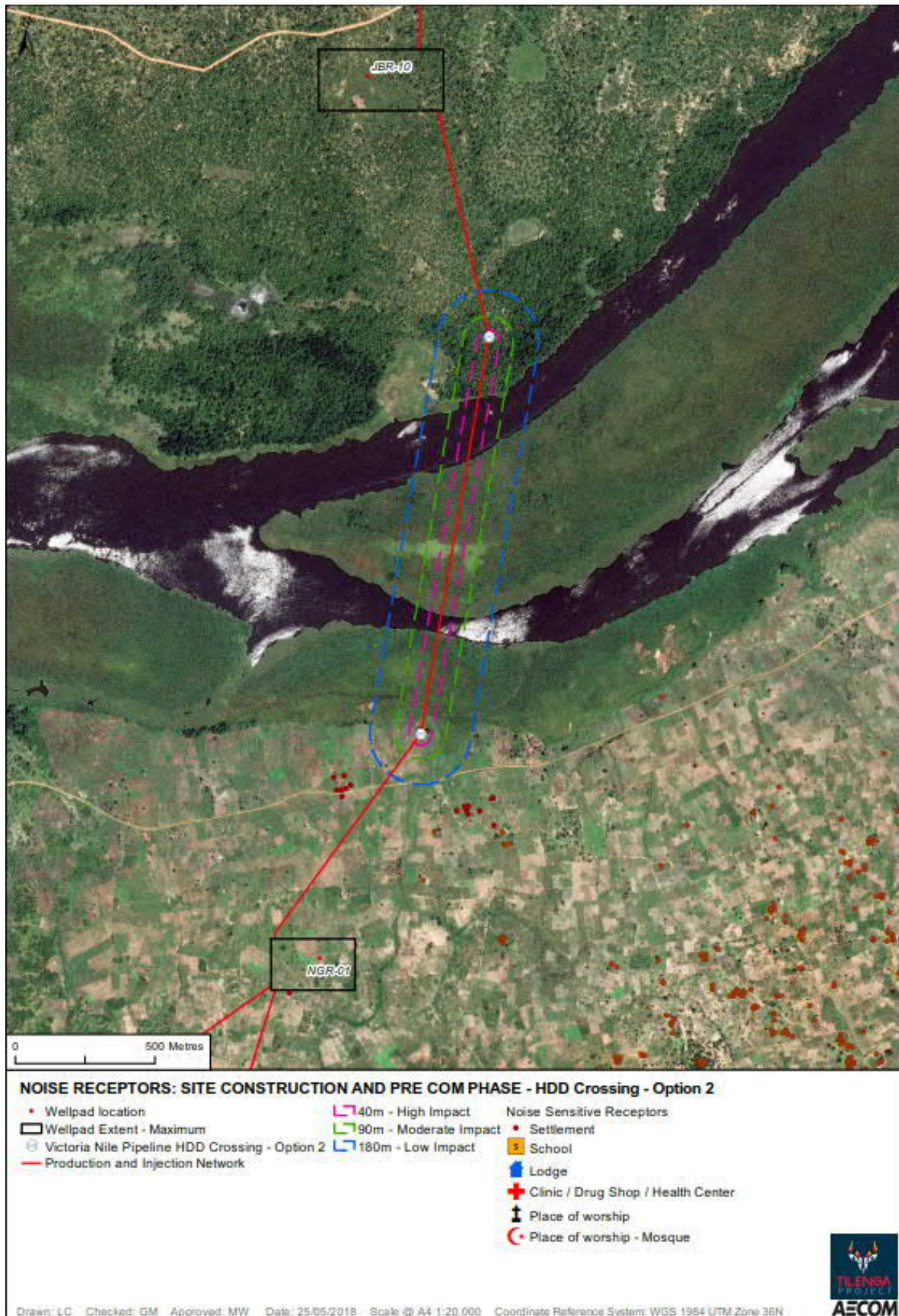


**Figure I3-64: Production and Injection Network Construction Receptor Analysis – HDD Crossing to CPF via NGR-01**





**Figure I3-65: Production and Injection Network Construction Receptor Analysis – HDD Crossing to HDD Crossing**





**Figure I3-66: Production and Injection Network Construction Receptor Analysis – NSO-01 to NSO-05**

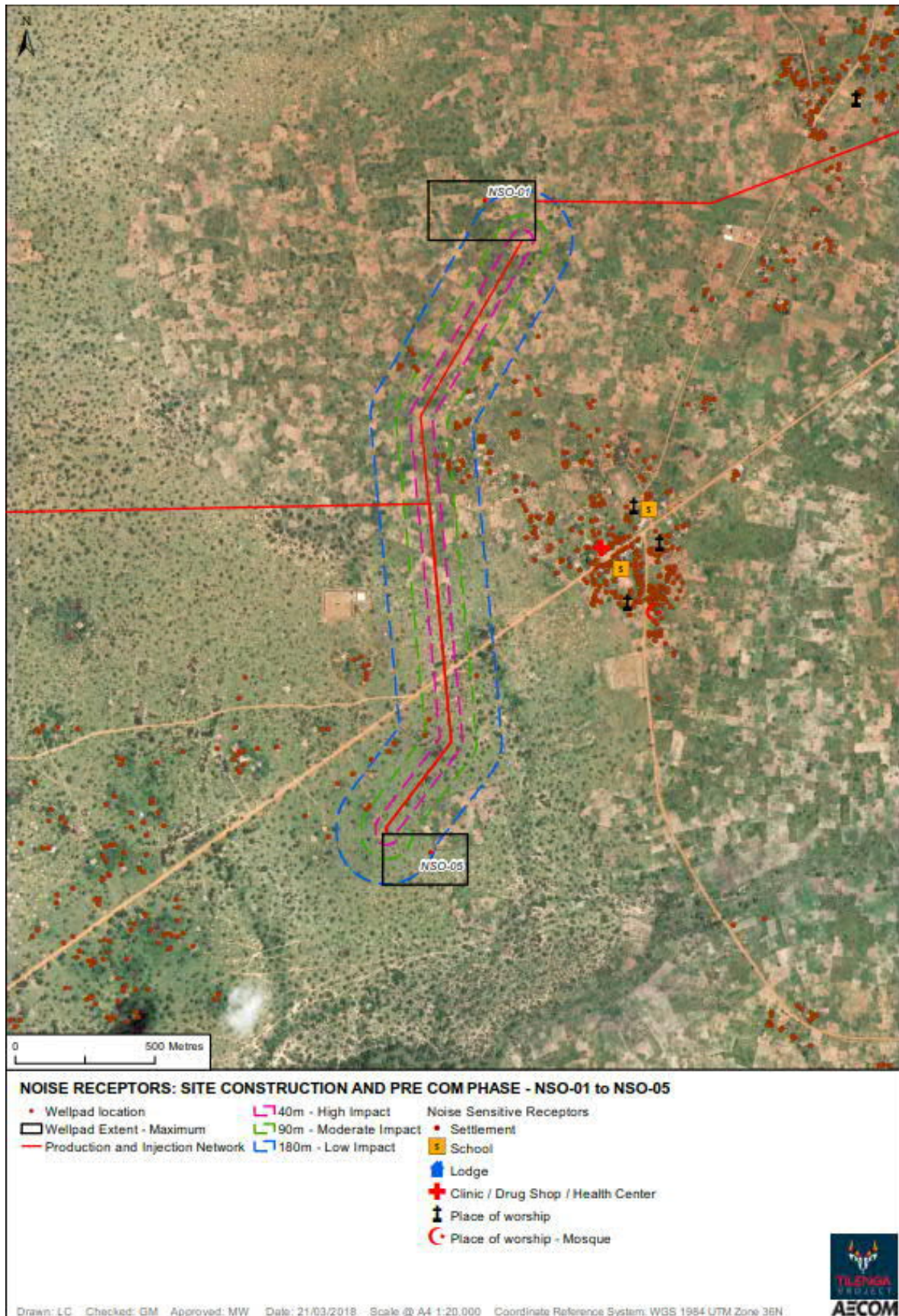
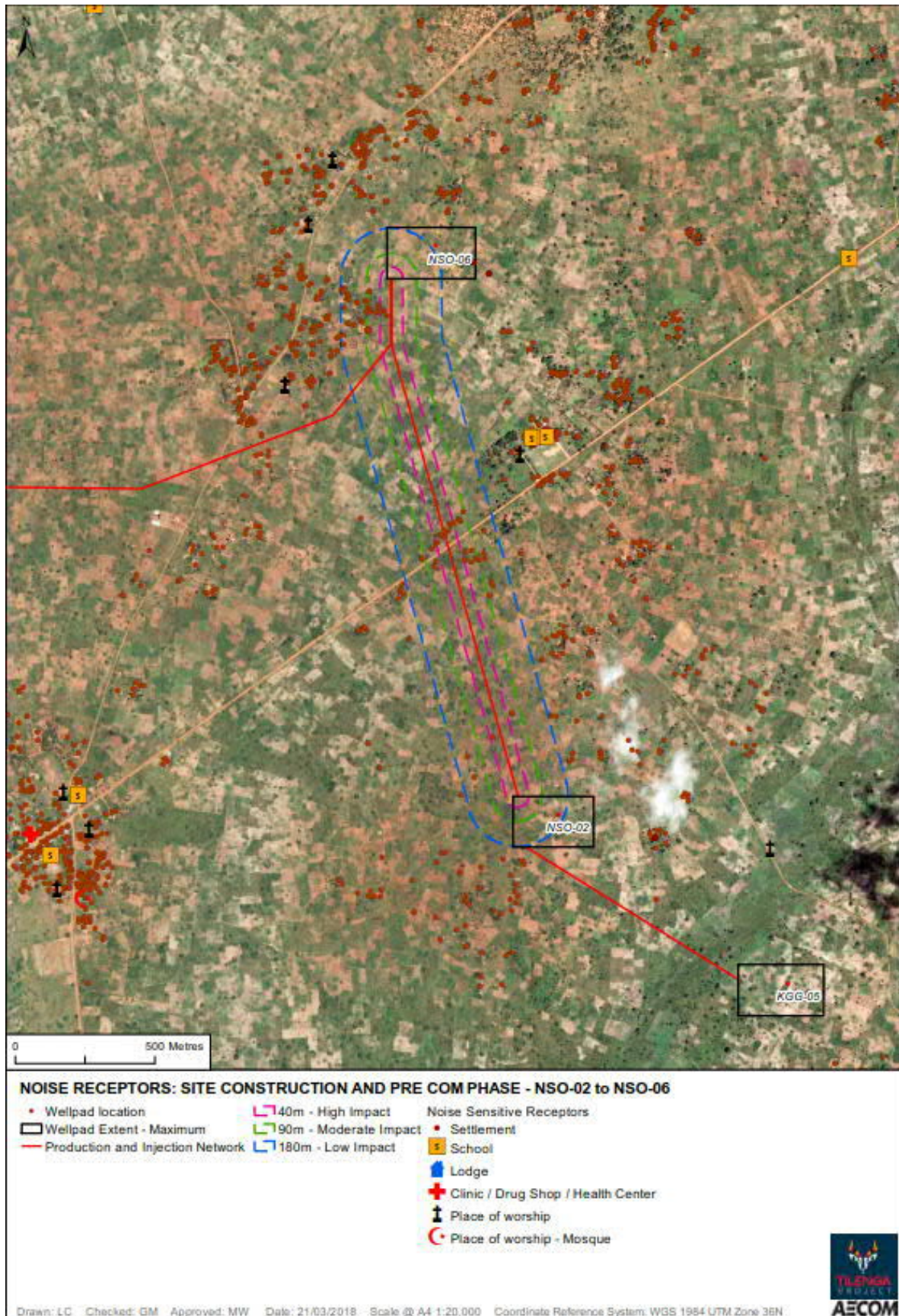


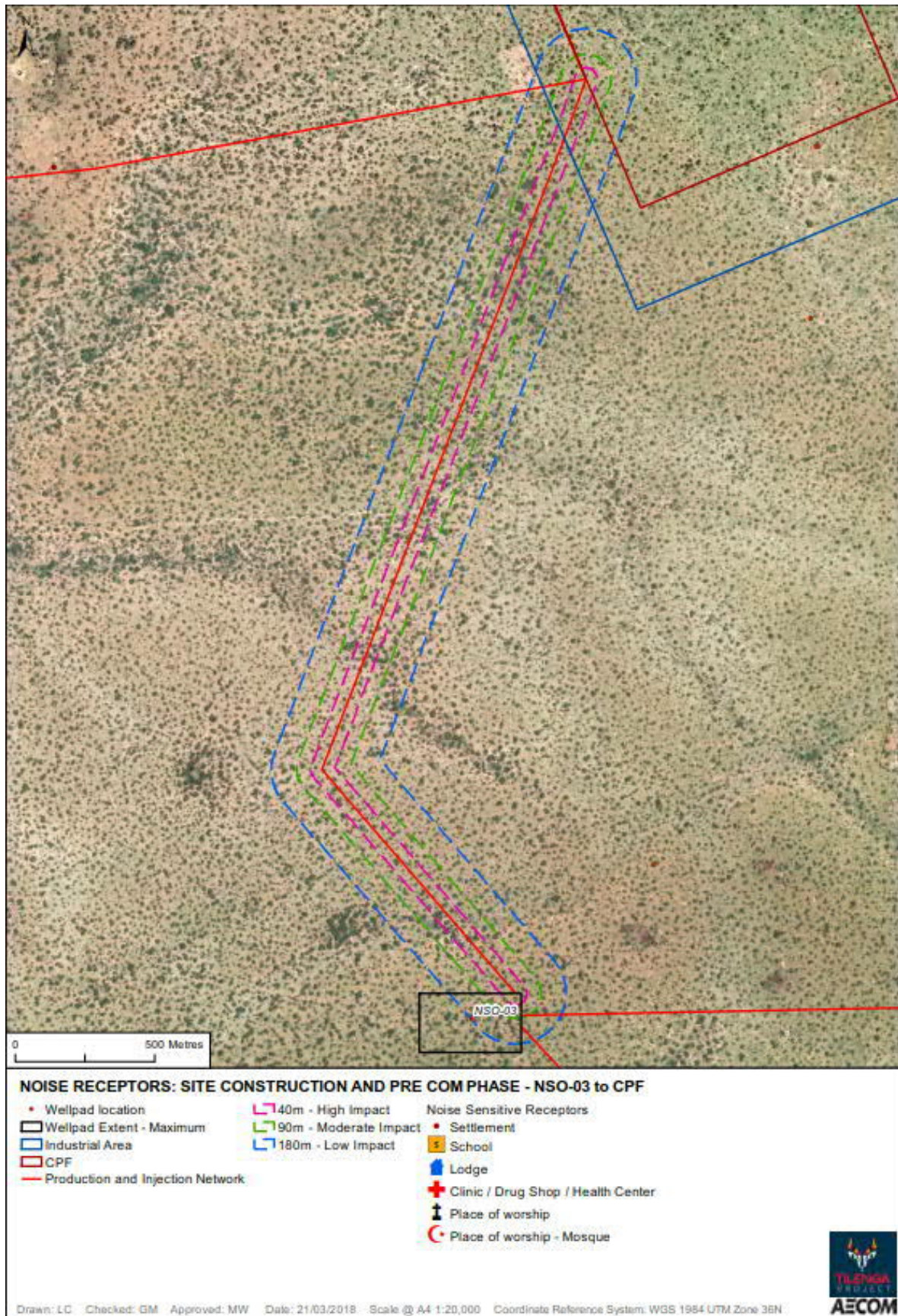


Figure I3-67: Production and Injection Network Construction Receptor Analysis – NSO-02 to NSO-06



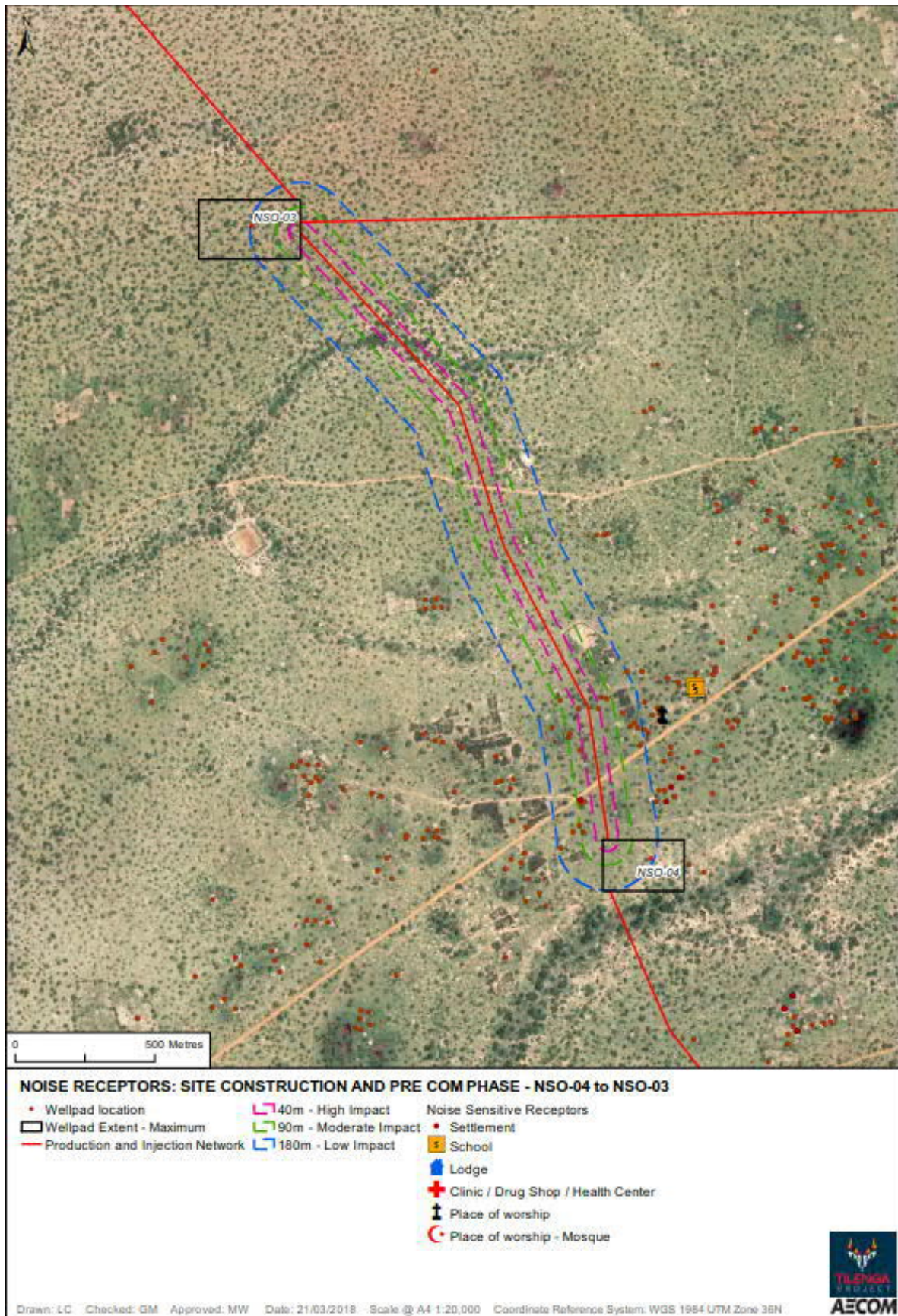


**Figure I3-68: Production and Injection Network Construction Receptor Analysis – NSO-03 to CPF**





**Figure I3-69: Production and Injection Network Construction Receptor Analysis – NSO-04 to NSO-03**





**Figure I3-70: Production and Injection Network Construction Receptor Analysis – NSO-05 to NSO-03**

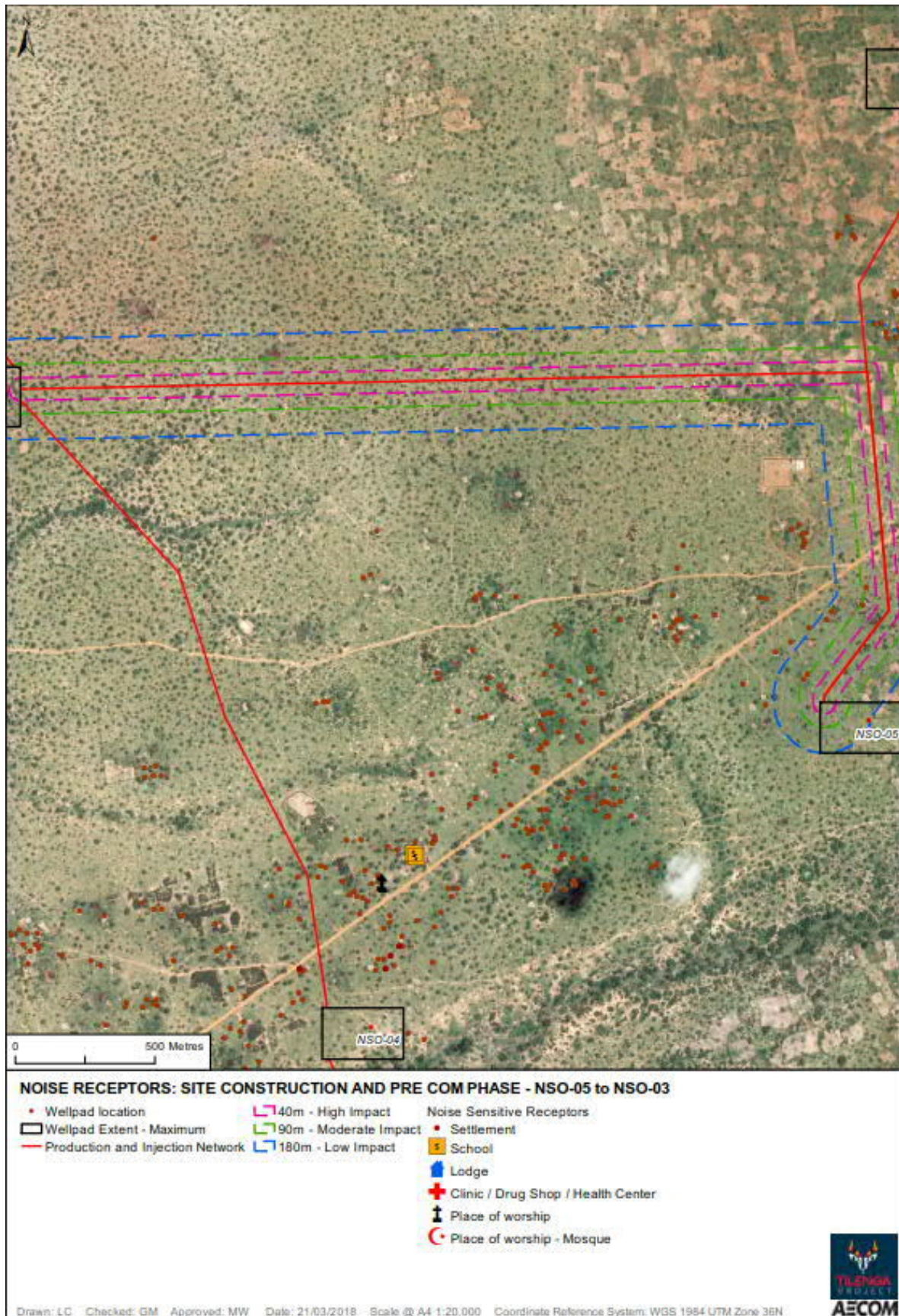
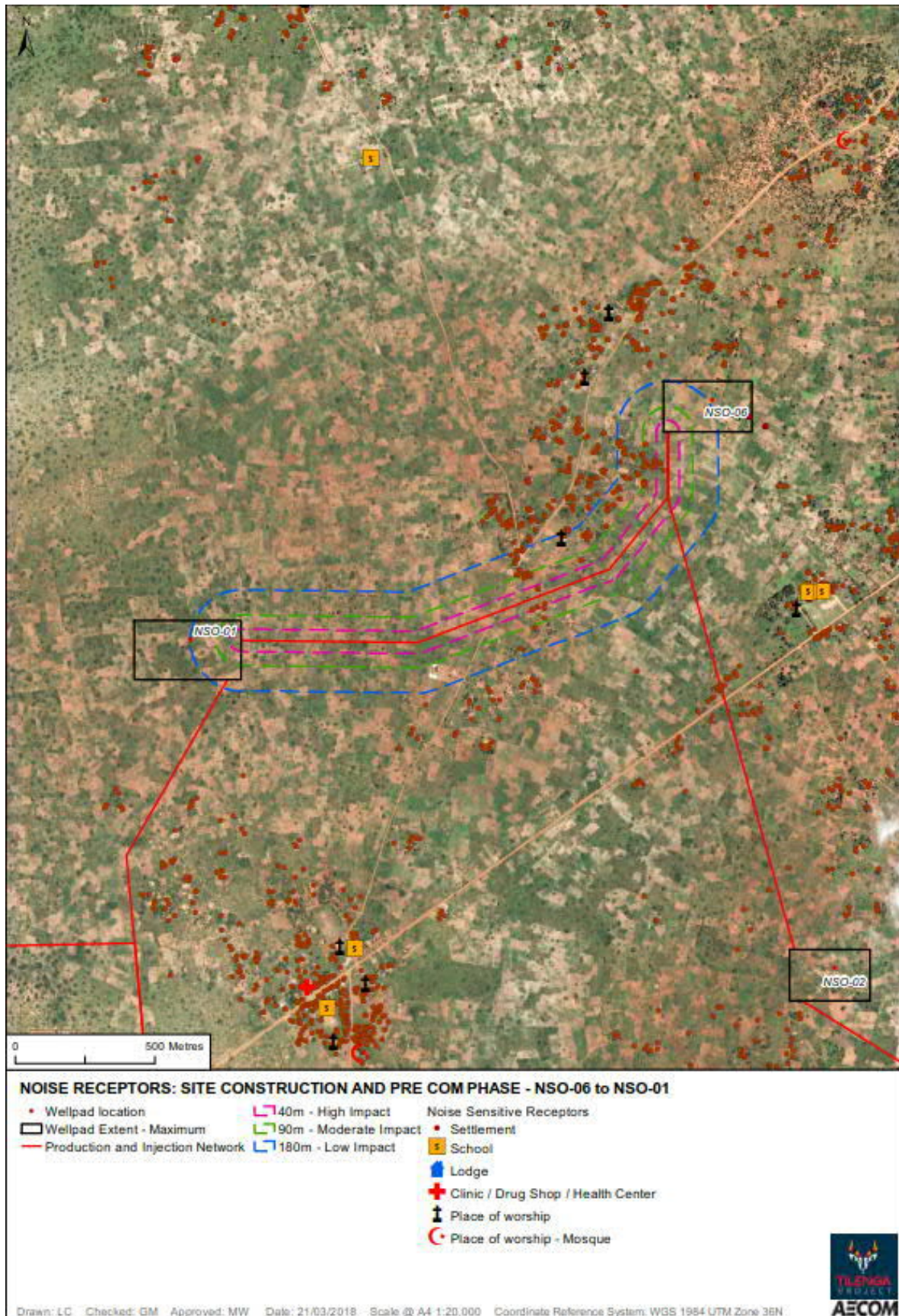


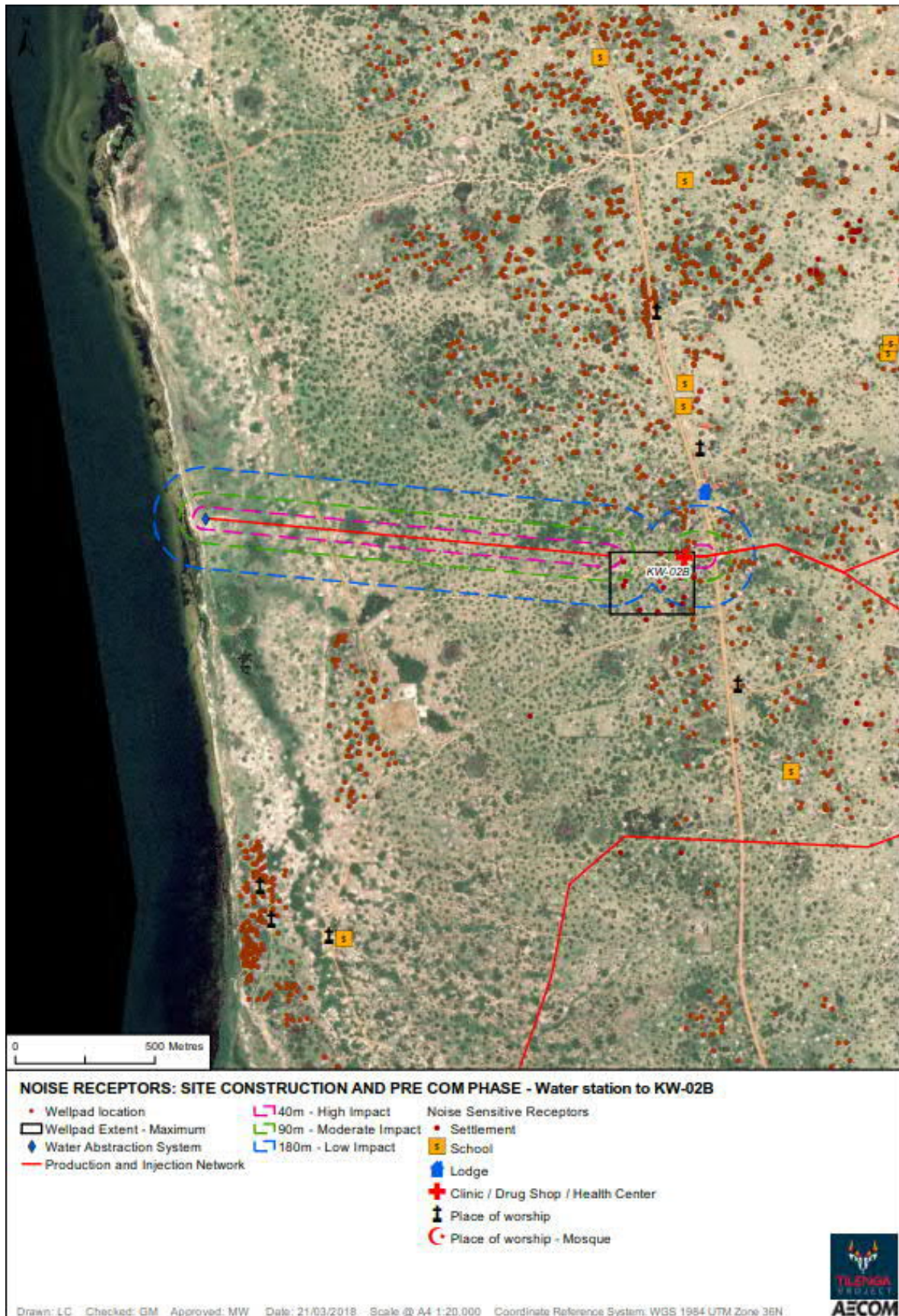


Figure I3-71: Production and Injection Network Construction Receptor Analysis – NSO-06 to NSO-01



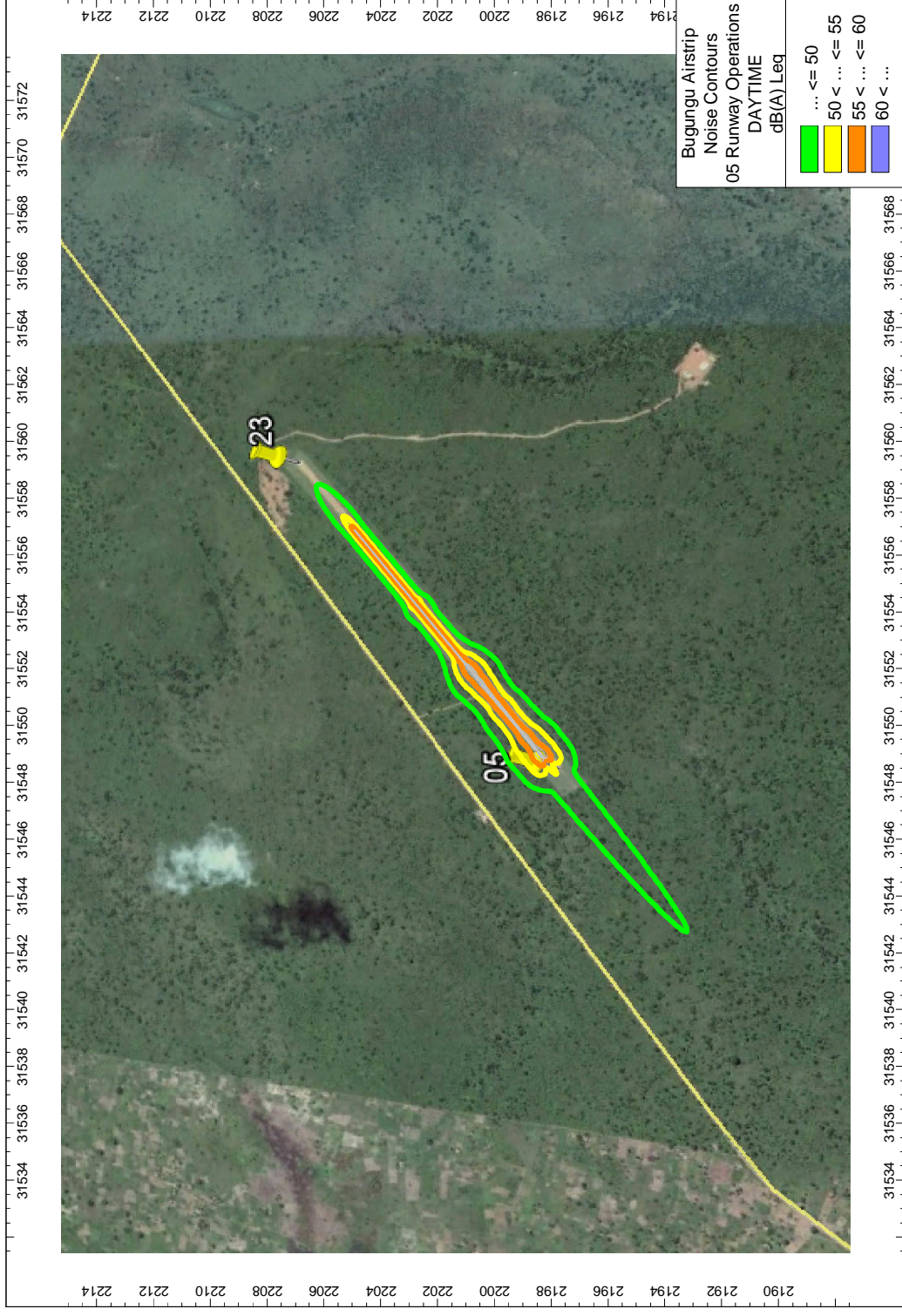


**Figure I3-72: Production and Injection Network Construction Receptor Analysis – Water station to KW-02B**





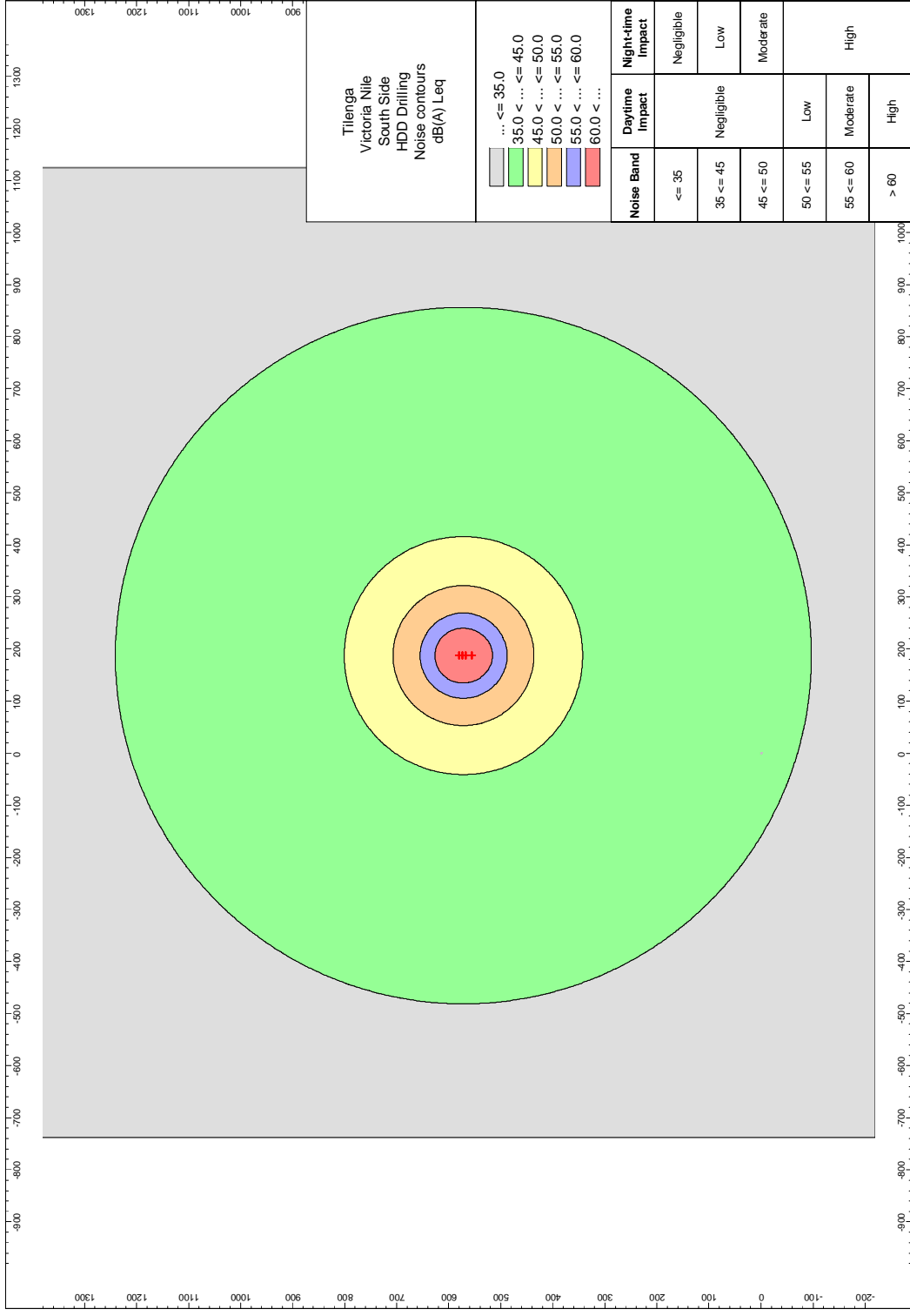
**Figure I3-73: Bugungu Airstrip Noise Contours for 05 Runway Operations**



The assessment of noise due to aircraft movements at Bugungu Airfield is presented in Section 7.6.4.2.7



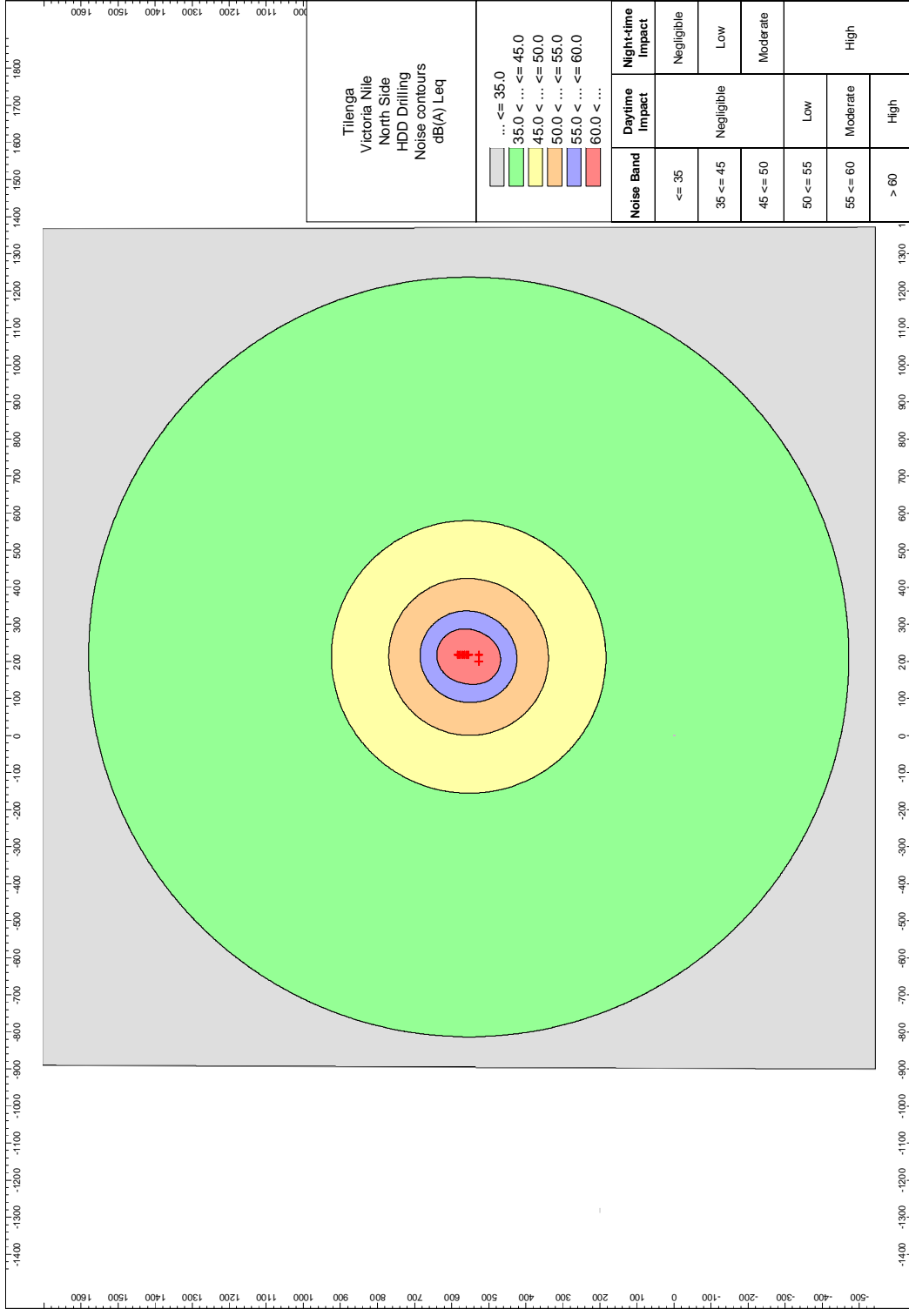
**Figure I3-74: Victoria Nile HDD Drilling – North Side**



The assessment of noise due to HDD drilling activities is presented in Section 7.6.4.2.10



**Figure I3-75: Victoria Nile HDD Drilling – South Side**



The assessment of noise due to HDD drilling activities is presented in Section 7.6.4.2.10



Figure I3-76: Victoria Nile HDD Drilling Receptor Analysis – South Side

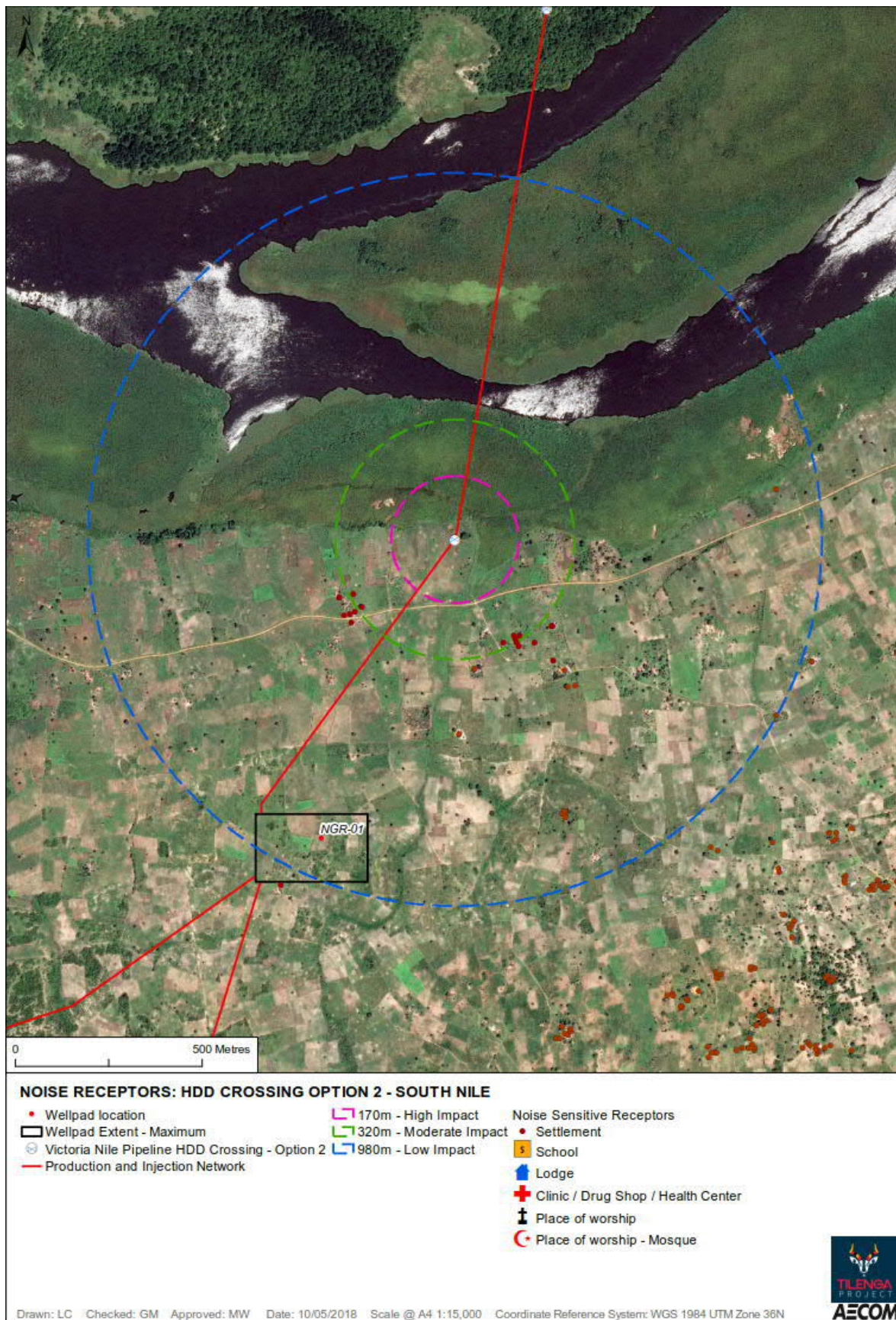
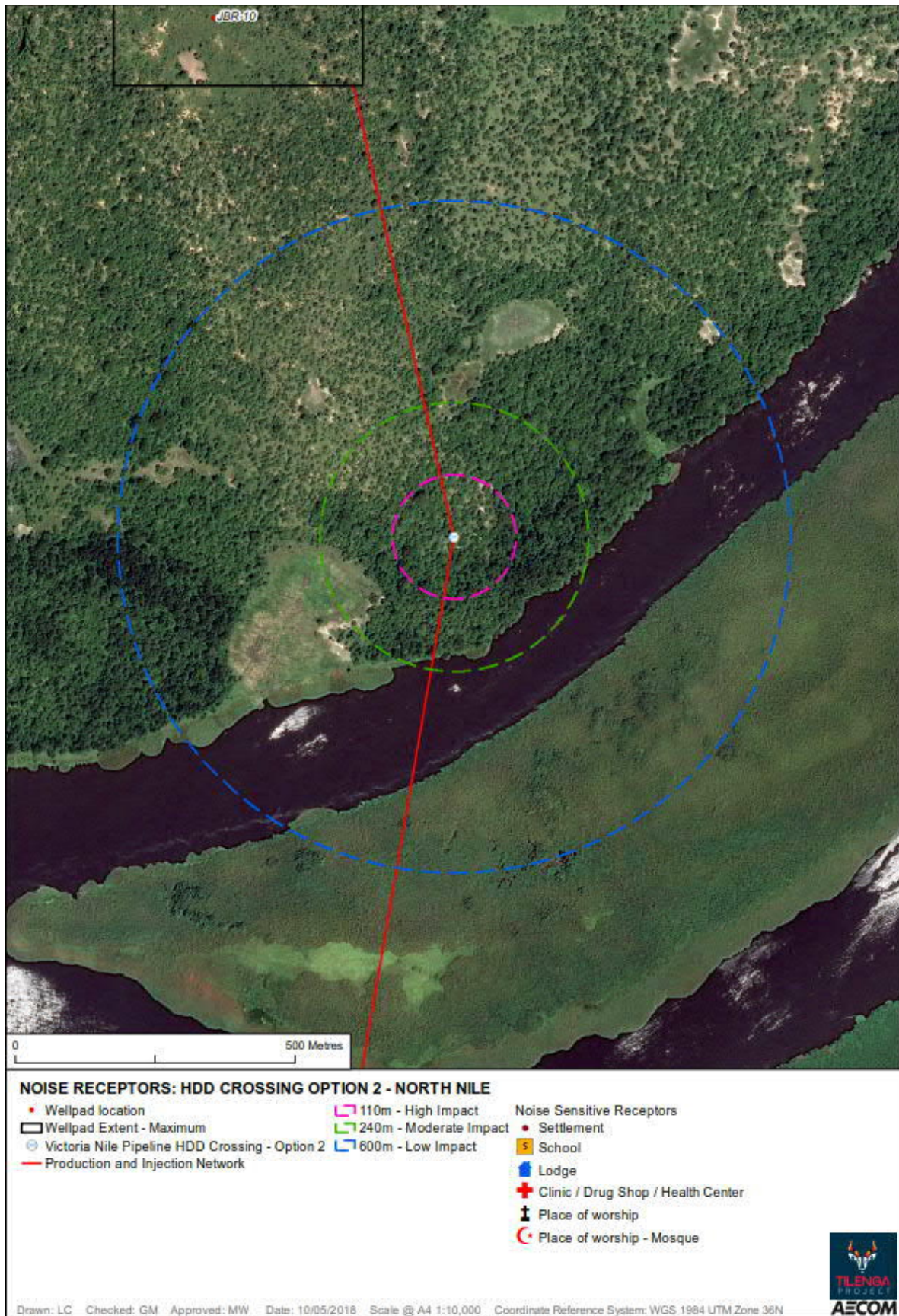




Figure I3-77: Victoria Nile HDD Drilling Receptor Analysis – North Side



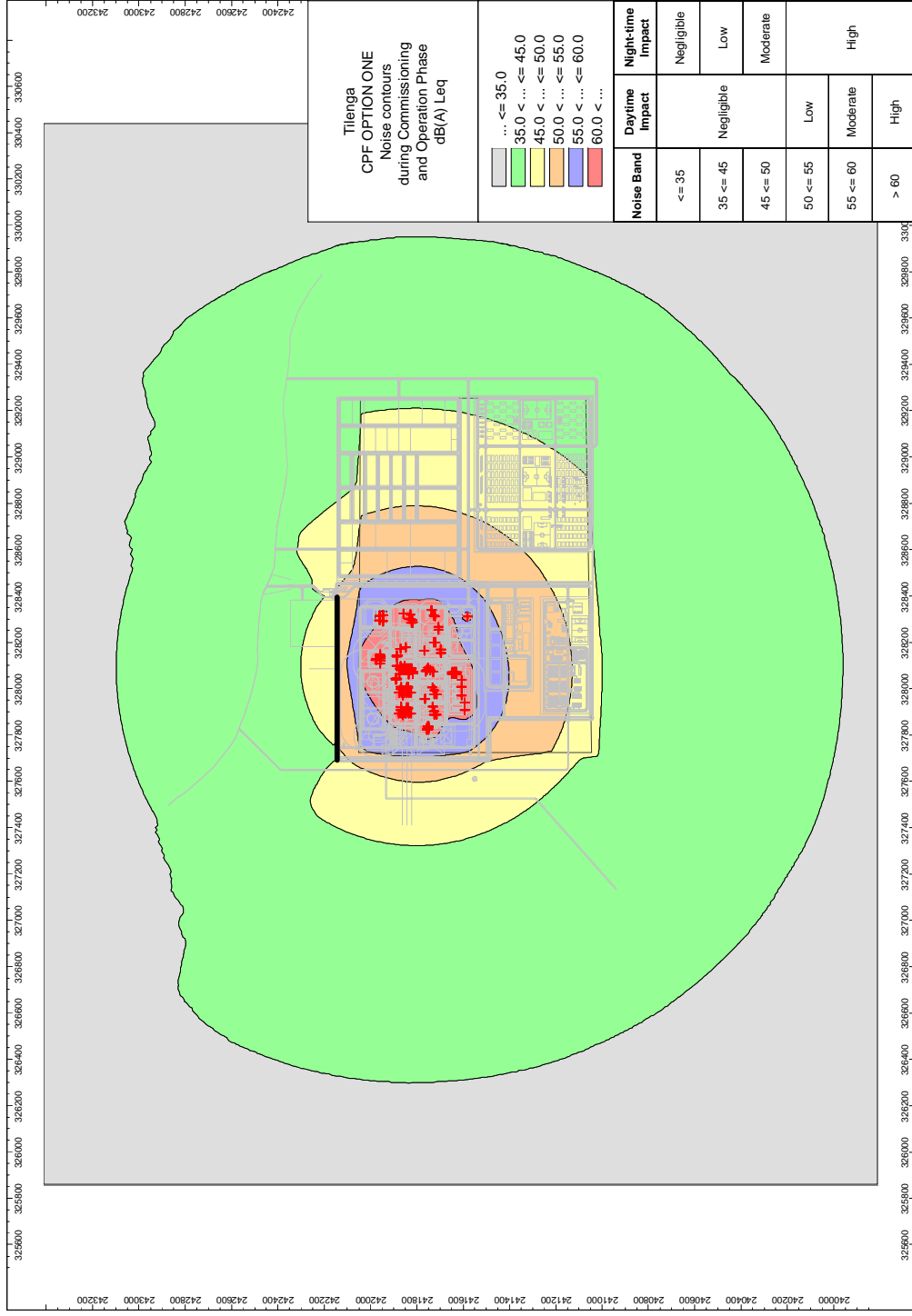


# Appendix 14: Commissioning and Operation Phase Results



## Appendix I4. Commissioning and Operation Noise Contour Plots

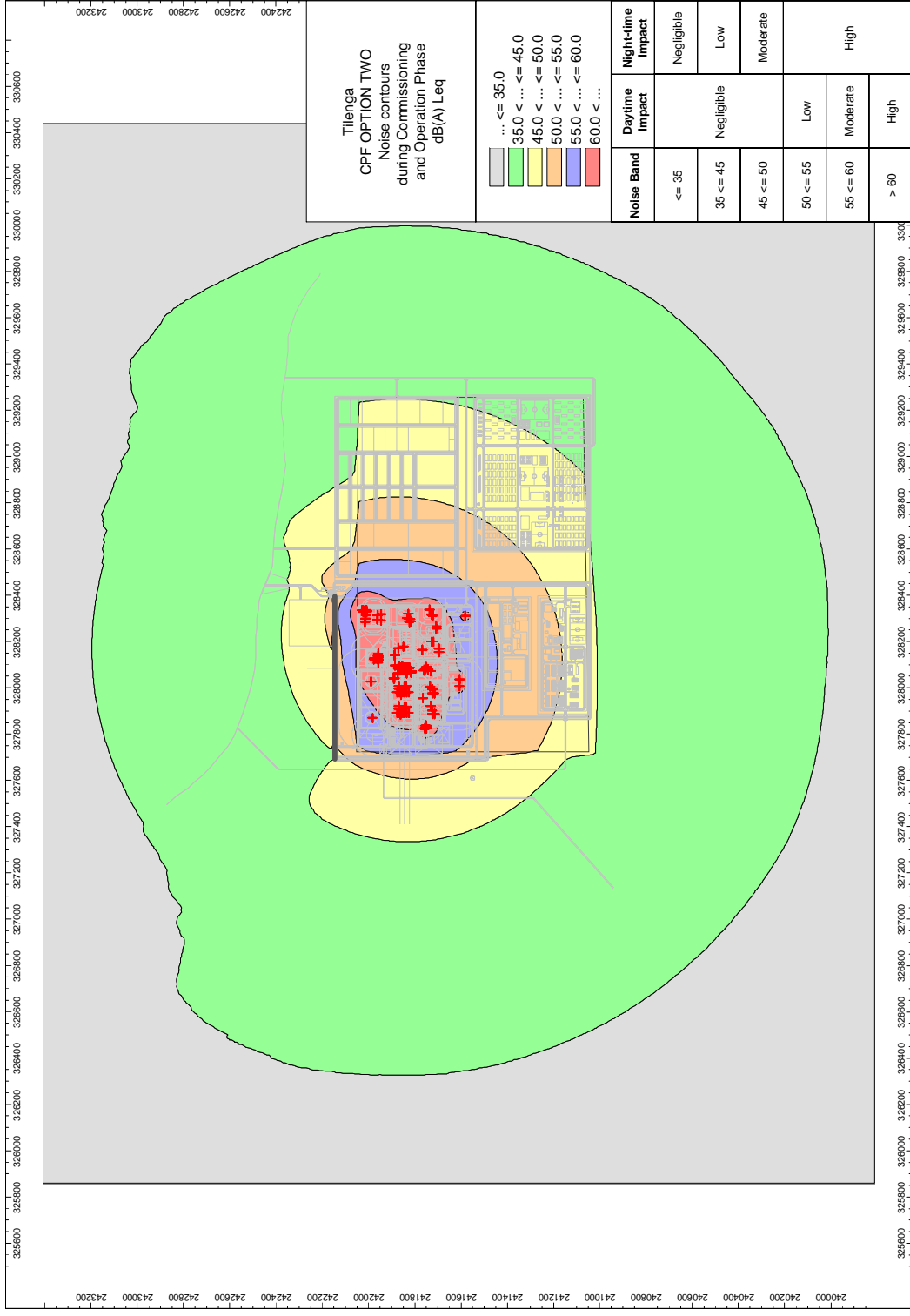
Figure I4-1: CPF Option 1 Commissioning and Operation Noise Contours



The assessment of noise due to the operational Industrial Area is presented in Section 7.6.5.2.1



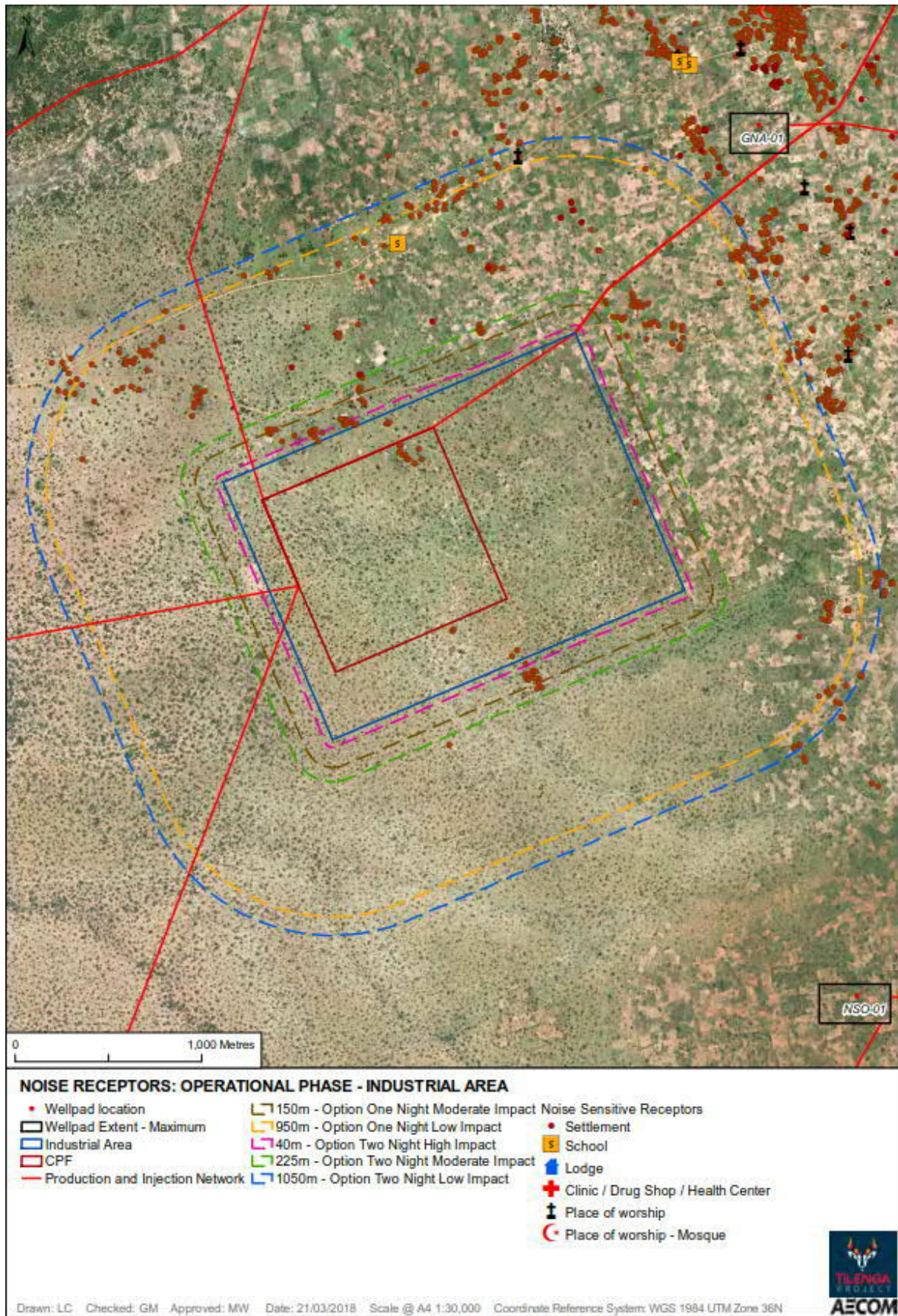
**Figure I4-2: CPF Option 2 Commissioning and Operation Noise Contours**



The assessment of noise due to the operational Industrial Area is presented in Section 7.6.5.2.1

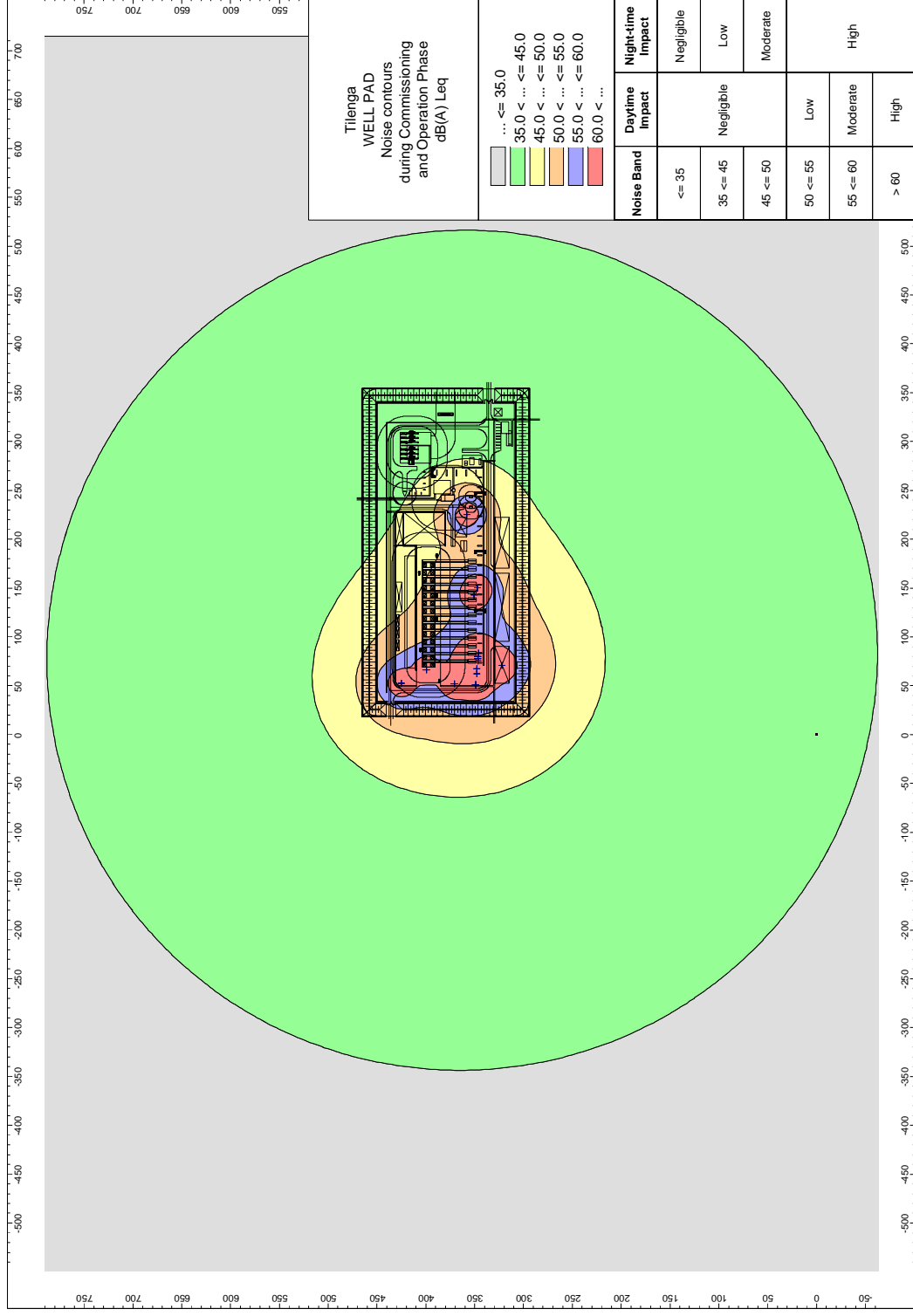


Figure I4-3: CPF Options Commissioning and Operation Night-time Receptor Analysis





**Figure I4-4: Well Pad Commissioning and Operation Noise Contours**



The assessment of noise due to operational well pads is presented in Section 7.6.5.2.2



Figure I4-5: GNA-01 Commissioning and Operation Receptor Analysis

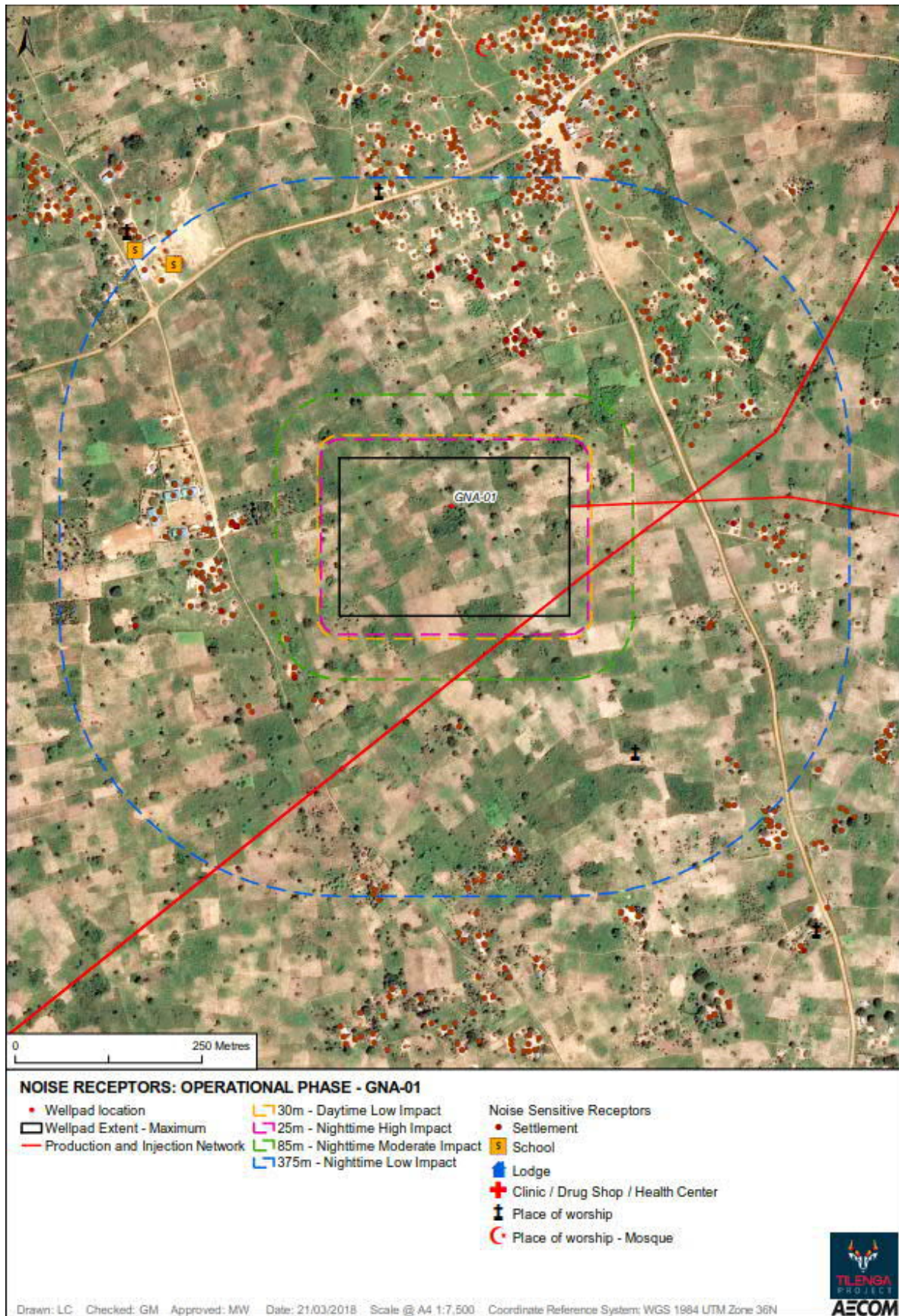




Figure I4-6: GNA-02 Commissioning and Operation Receptor Analysis

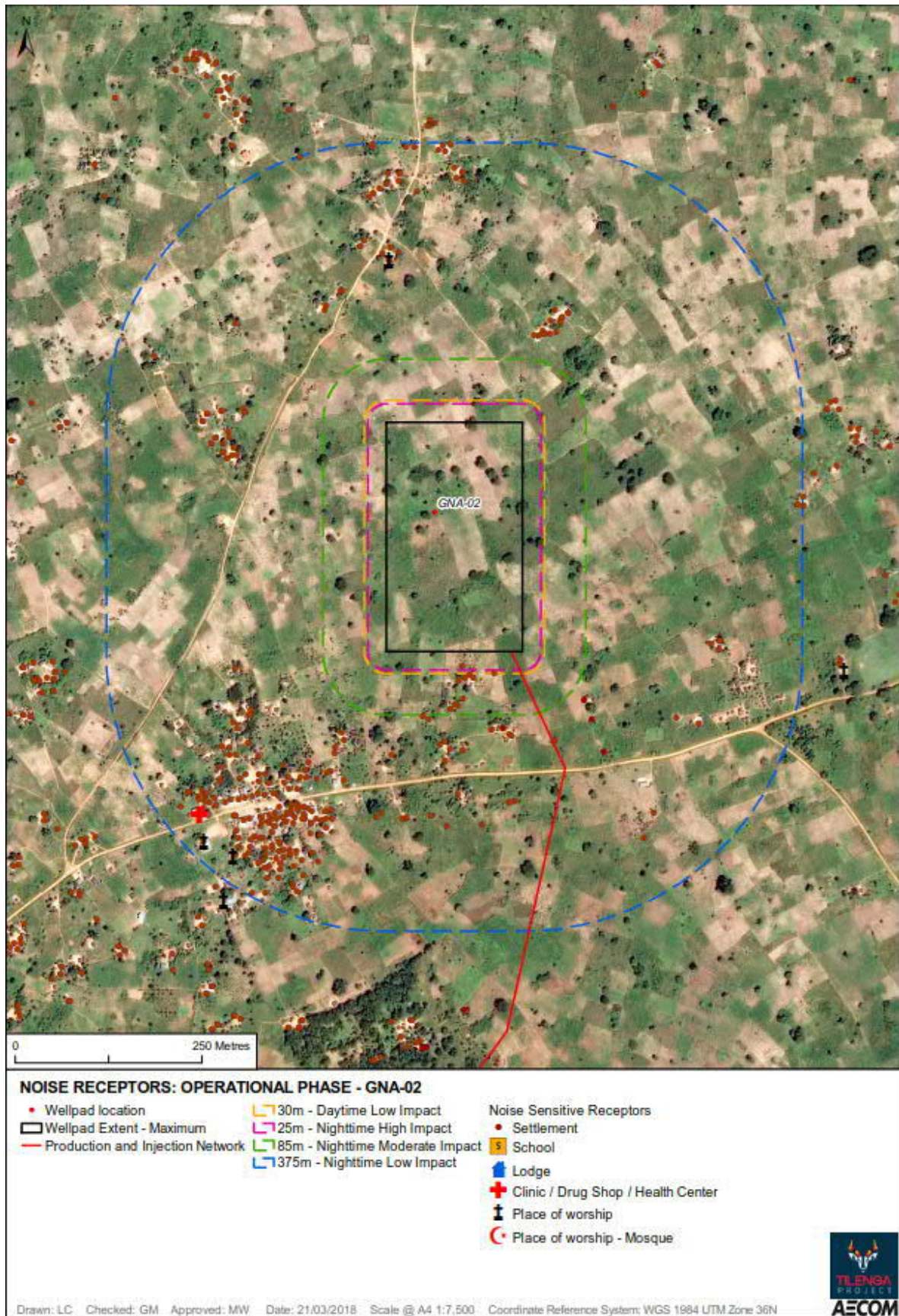




Figure I4-7: GNA-03 Commissioning and Operation Receptor Analysis

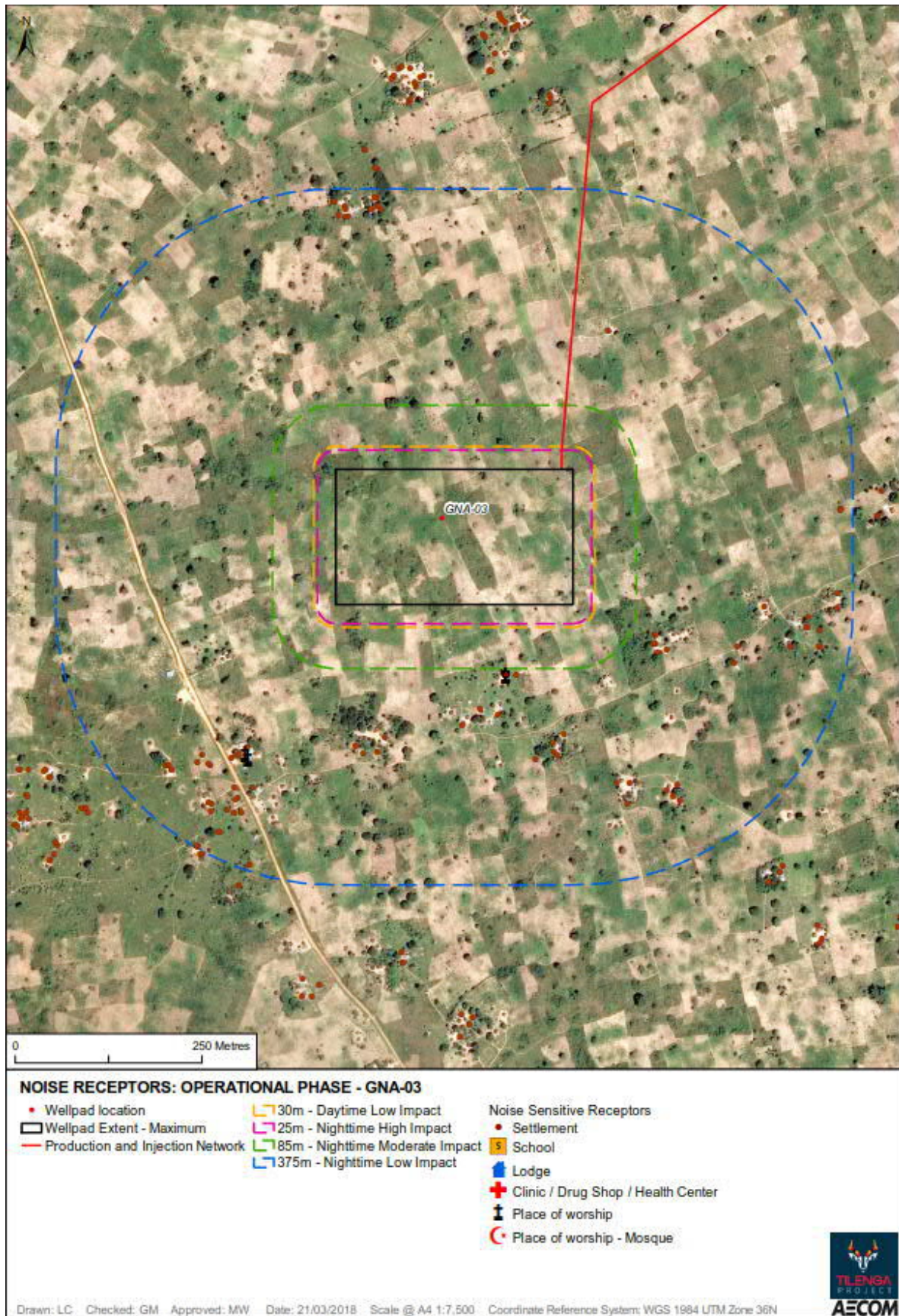




Figure I4-8: GNA-04 Commissioning and Operation Receptor Analysis

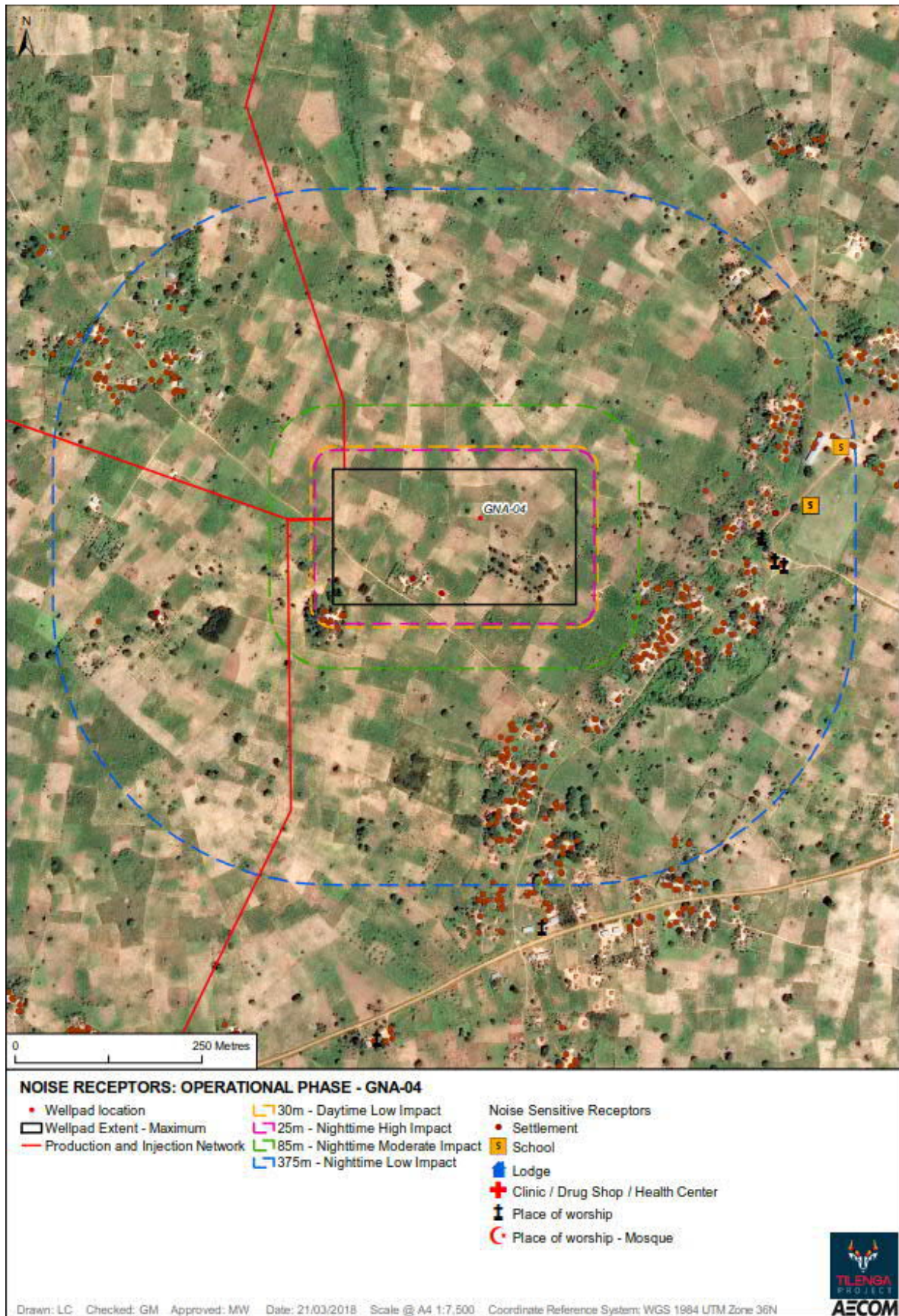
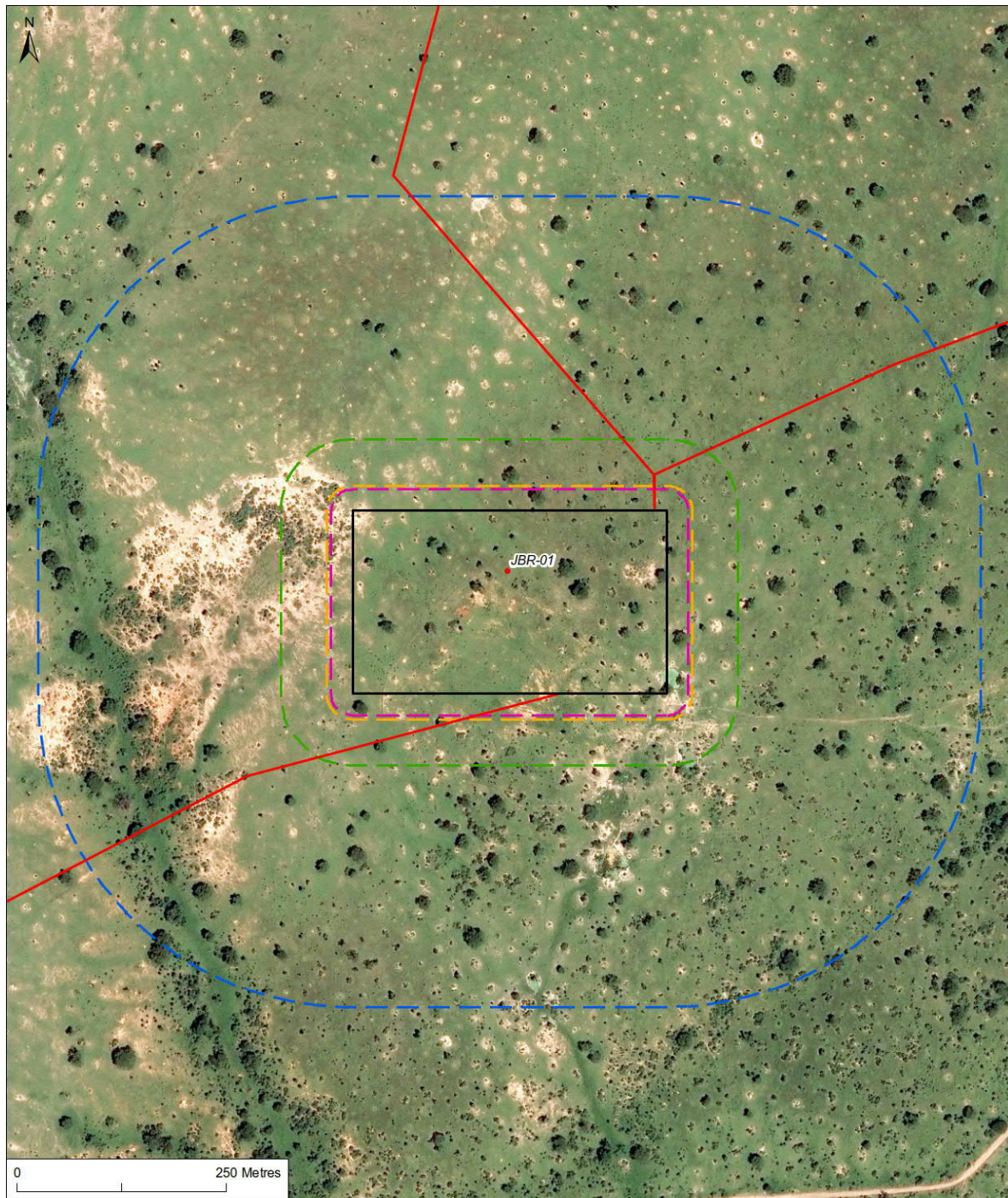




Figure I4-9: JBR-01 Commissioning and Operation Receptor Analysis



**NOISE RECEPTORS: OPERATIONAL PHASE - JBR-01**

- |                                    |                                 |                                       |
|------------------------------------|---------------------------------|---------------------------------------|
| • Wellpad location                 | 30m - Daytime Low Impact        | Noise Sensitive Receptors             |
| □ Wellpad Extent - Maximum         | 25m - Nighttime High Impact     | • Settlement                          |
| — Production and Injection Network | 85m - Nighttime Moderate Impact | 🏫 School                              |
|                                    | 375m - Nighttime Low Impact     | 🏠 Lodge                               |
|                                    |                                 | ⚕️ Clinic / Drug Shop / Health Center |
|                                    |                                 | 🕌 Place of worship                    |
|                                    |                                 | 🕌 Place of worship - Mosque           |

Drawn: LC Checked: GM Approved: MW Date: 04/02/2019 Scale @ A4 1:7,500 Coordinate Reference System: WGS 1984 UTM Zone 36N





Figure I4-10: JBR-02 Commissioning and Operation Receptor Analysis

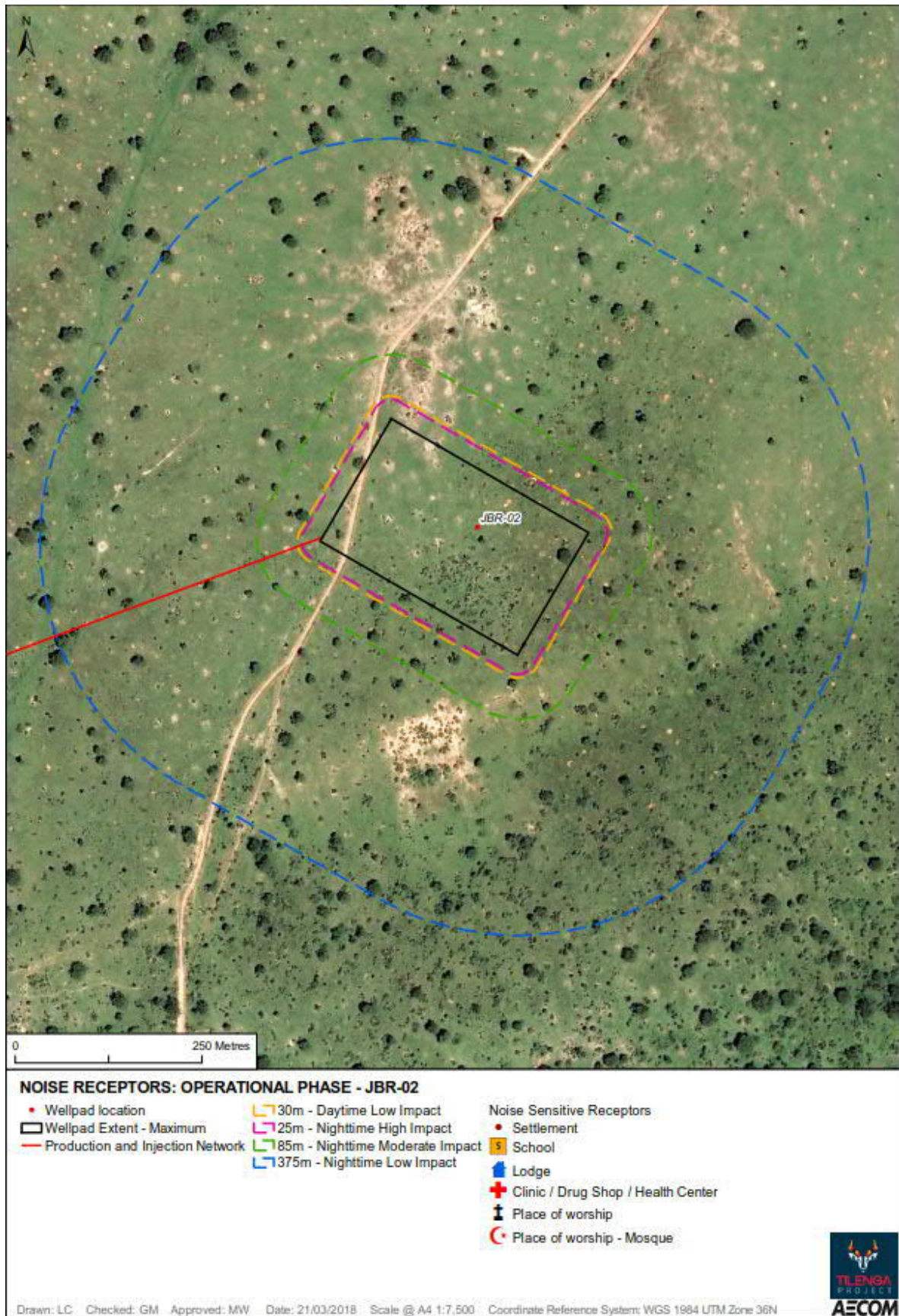




Figure I4-11: JBR-03 Commissioning and Operation Receptor Analysis

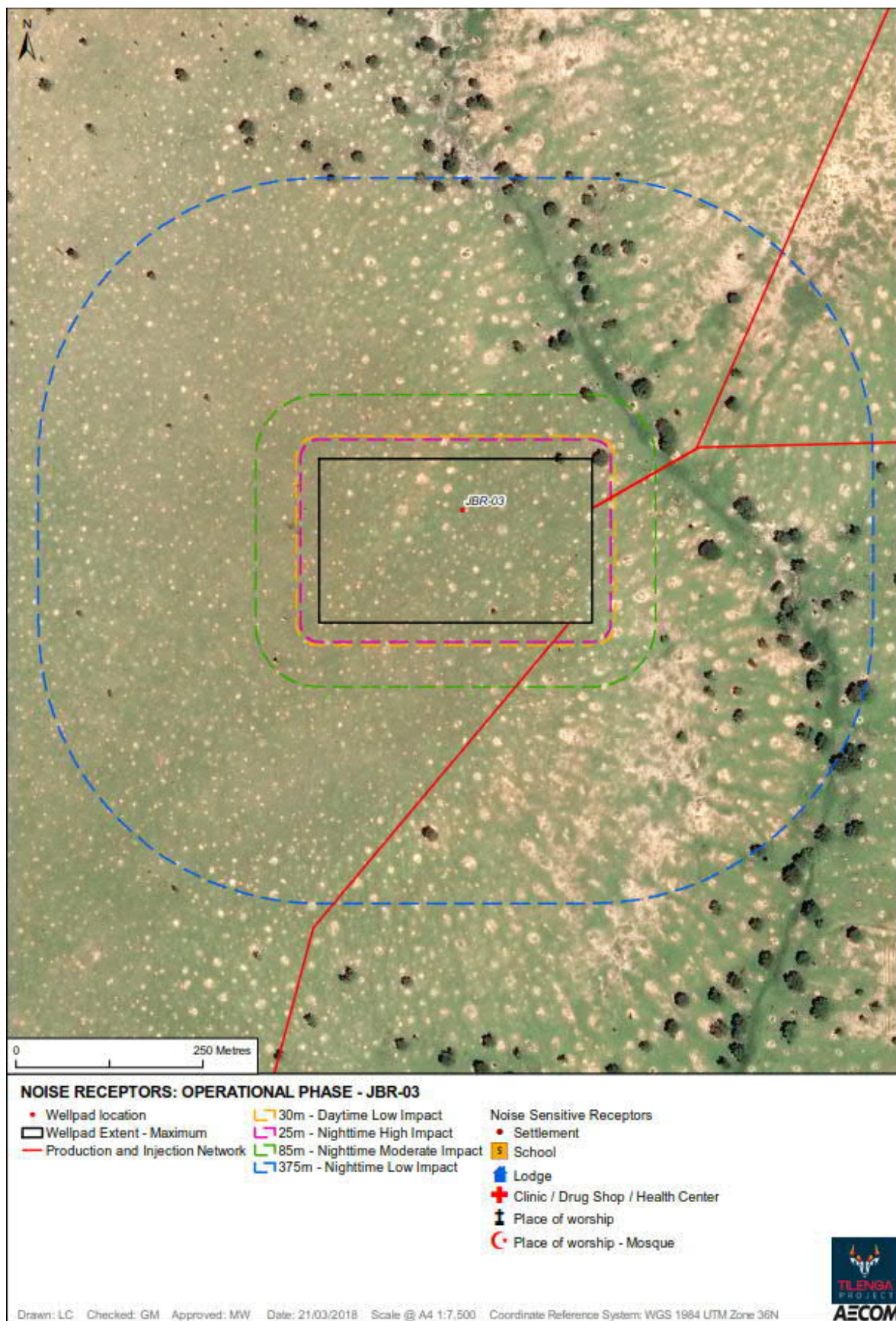




Figure I4-12: JBR-04 Commissioning and Operation Receptor Analysis

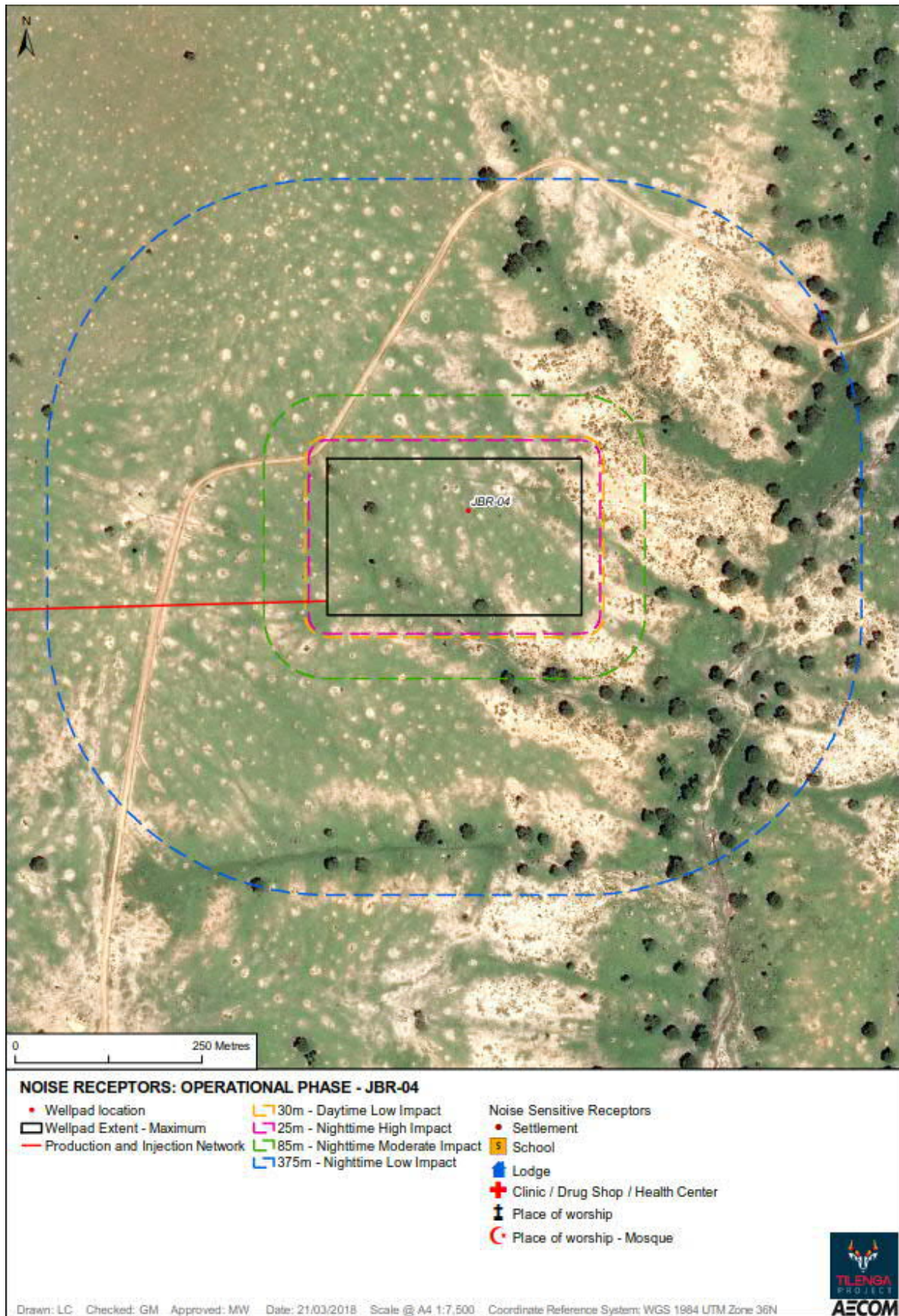




Figure I4-13: JBR-05 Commissioning and Operation Receptor Analysis

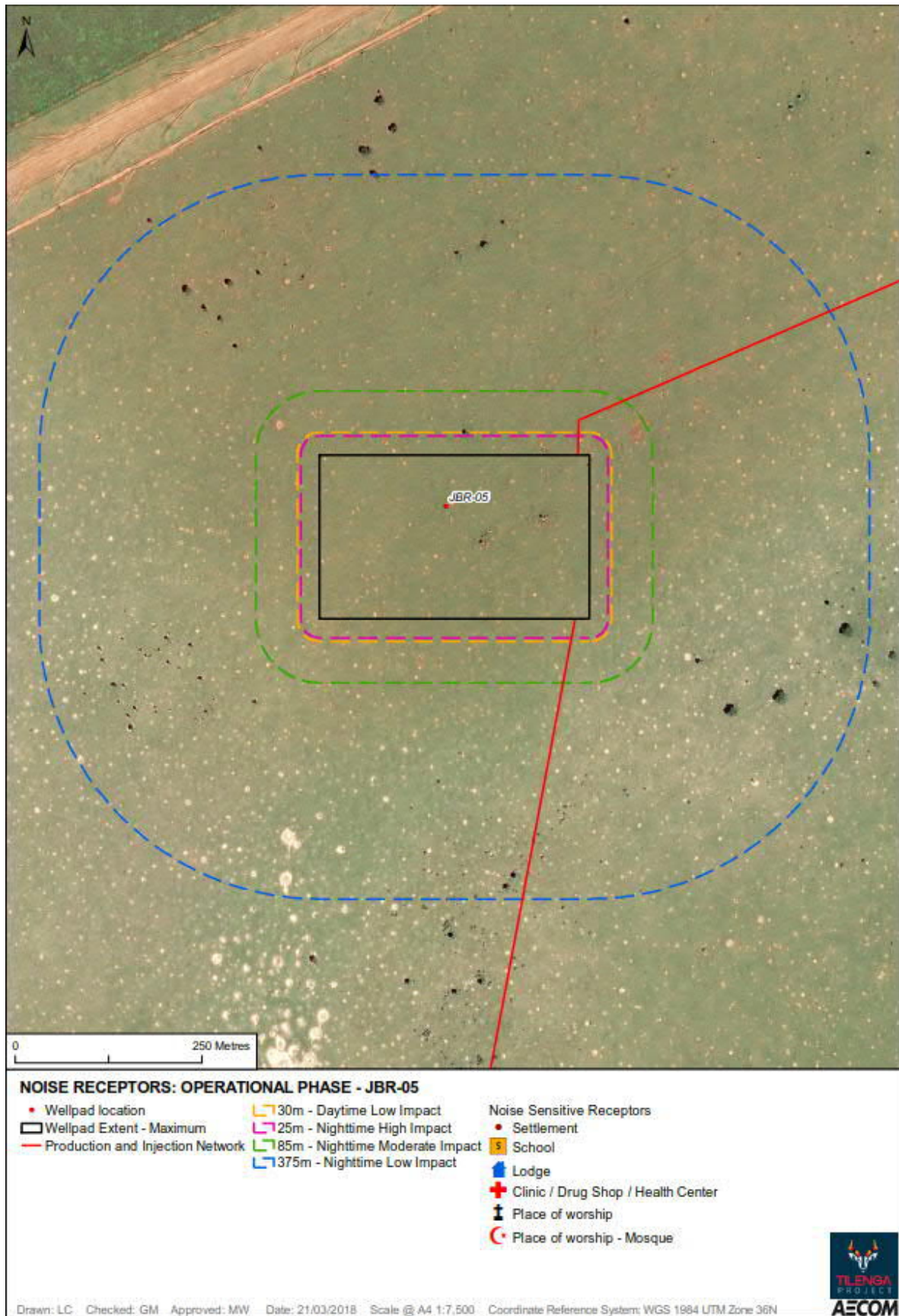




Figure I4-14: JBR-06 Commissioning and Operation Receptor Analysis

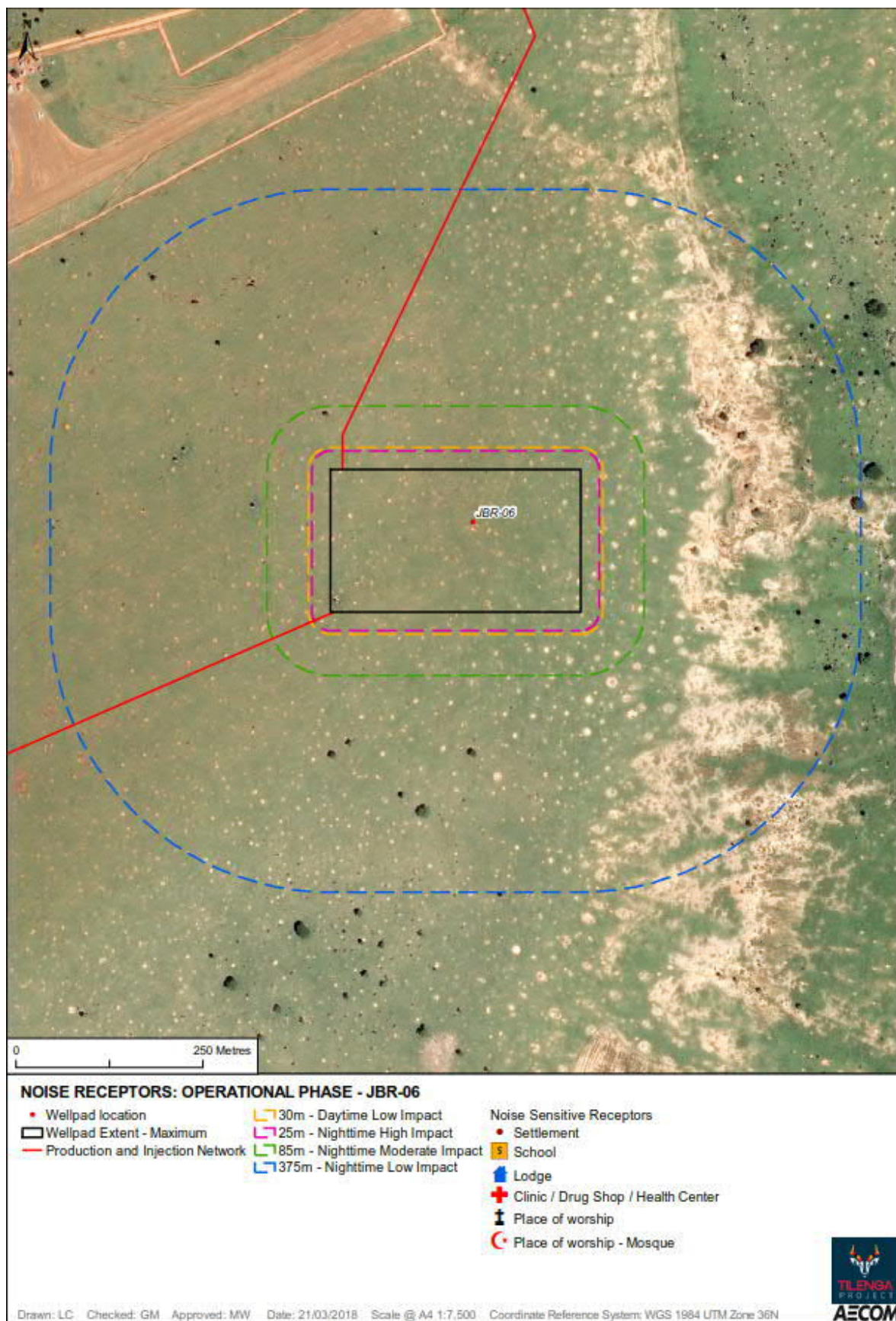




Figure I4-15: JBR-07 Commissioning and Operation Receptor Analysis

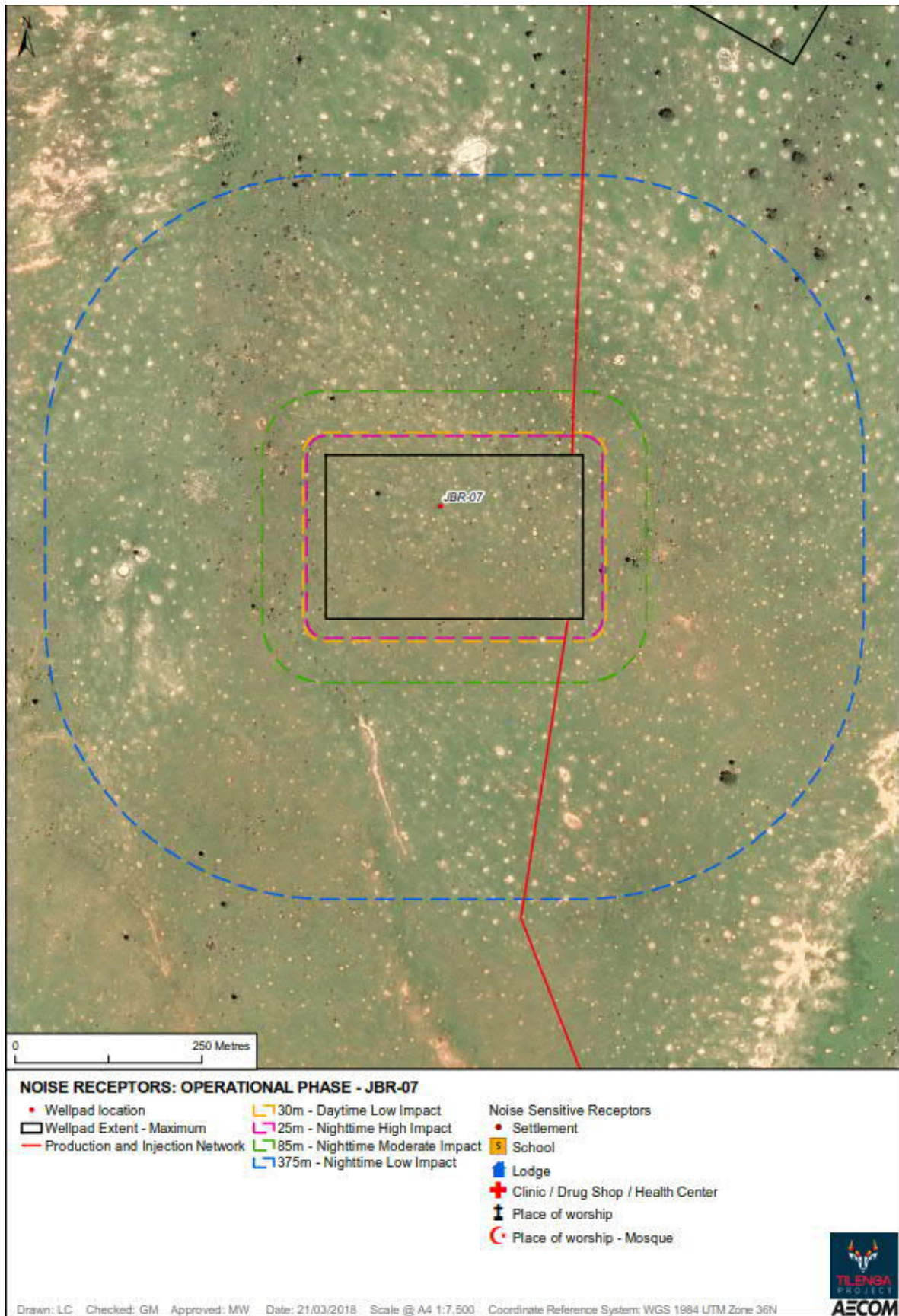




Figure I4-16: JBR-08 Commissioning and Operation Receptor Analysis

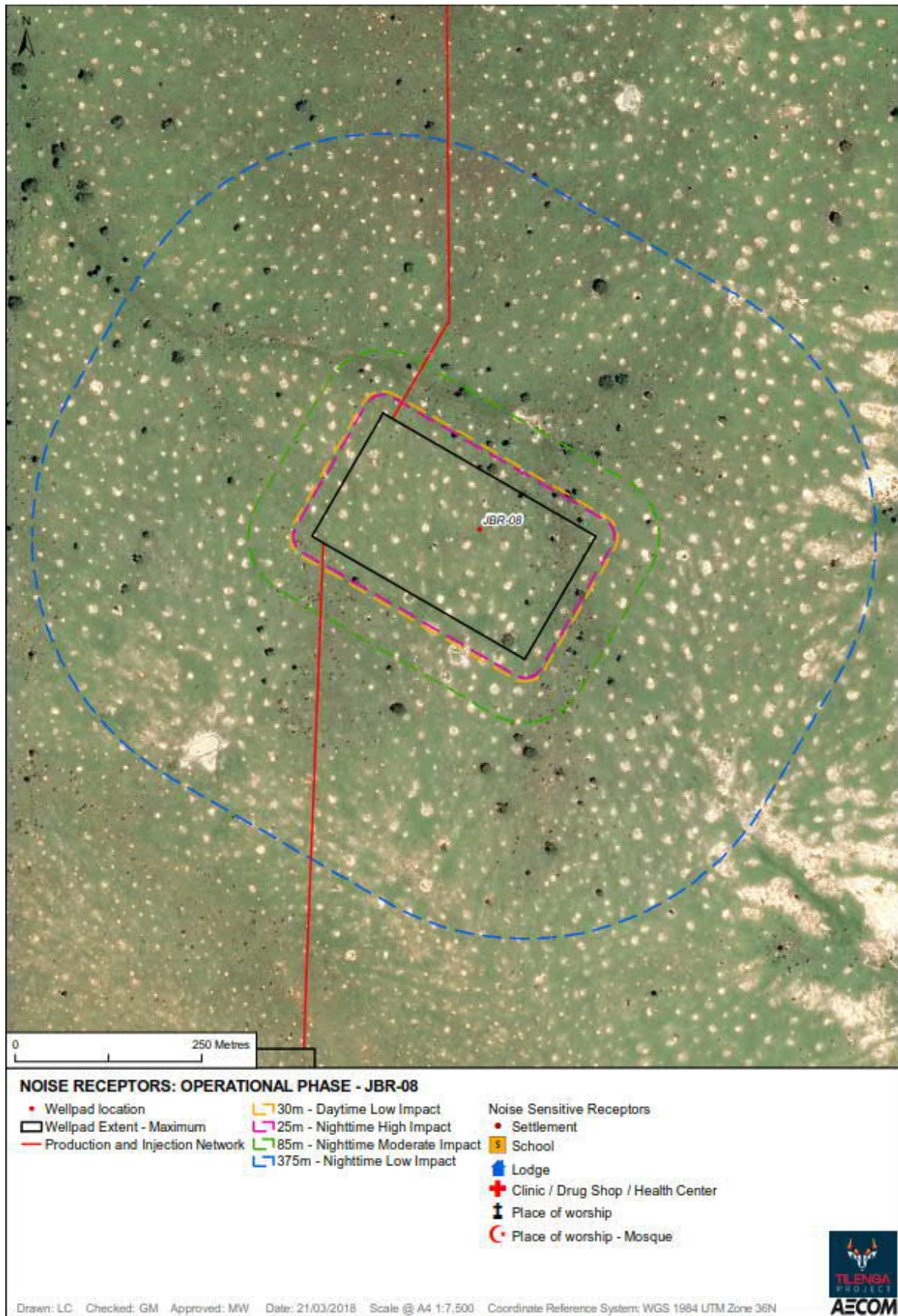




Figure I4-17: JBR-09 Commissioning and Operation Receptor Analysis

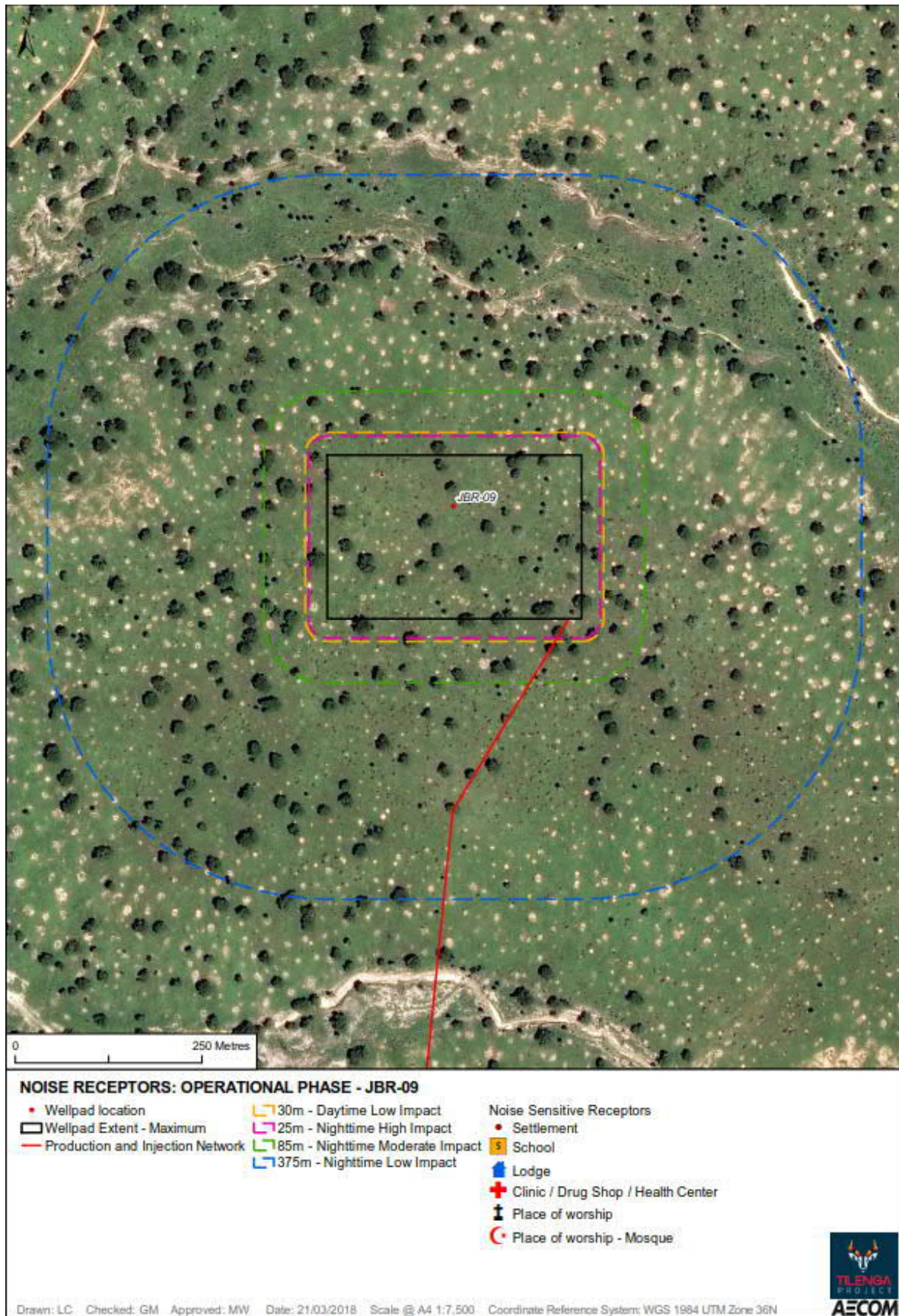




Figure I4-18: JBR-10 Commissioning and Operation Receptor Analysis

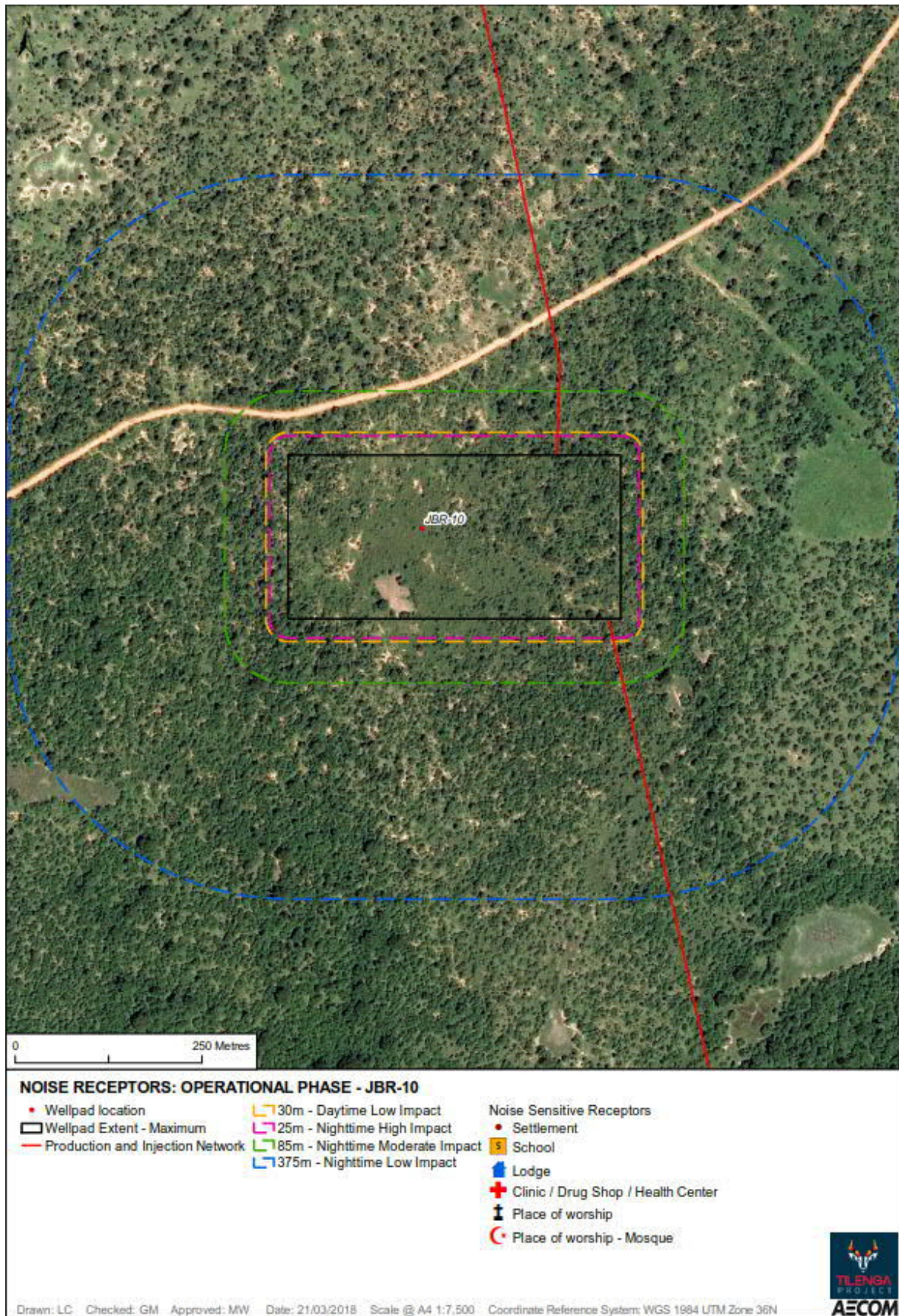




Figure I4-19: KGG-01 Commissioning and Operation Receptor Analysis

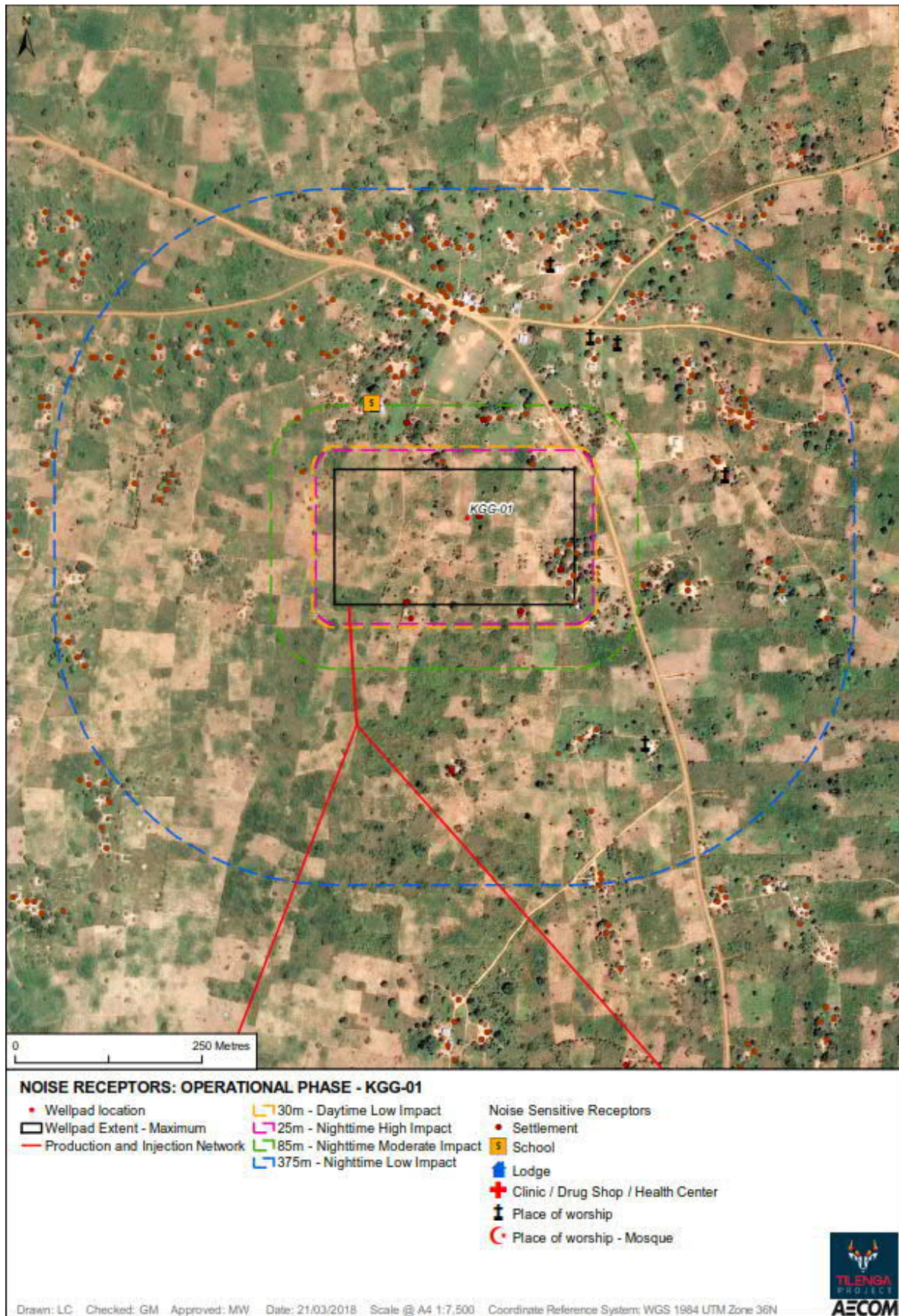




Figure I4-20: KGG-03 Commissioning and Operation Receptor Analysis

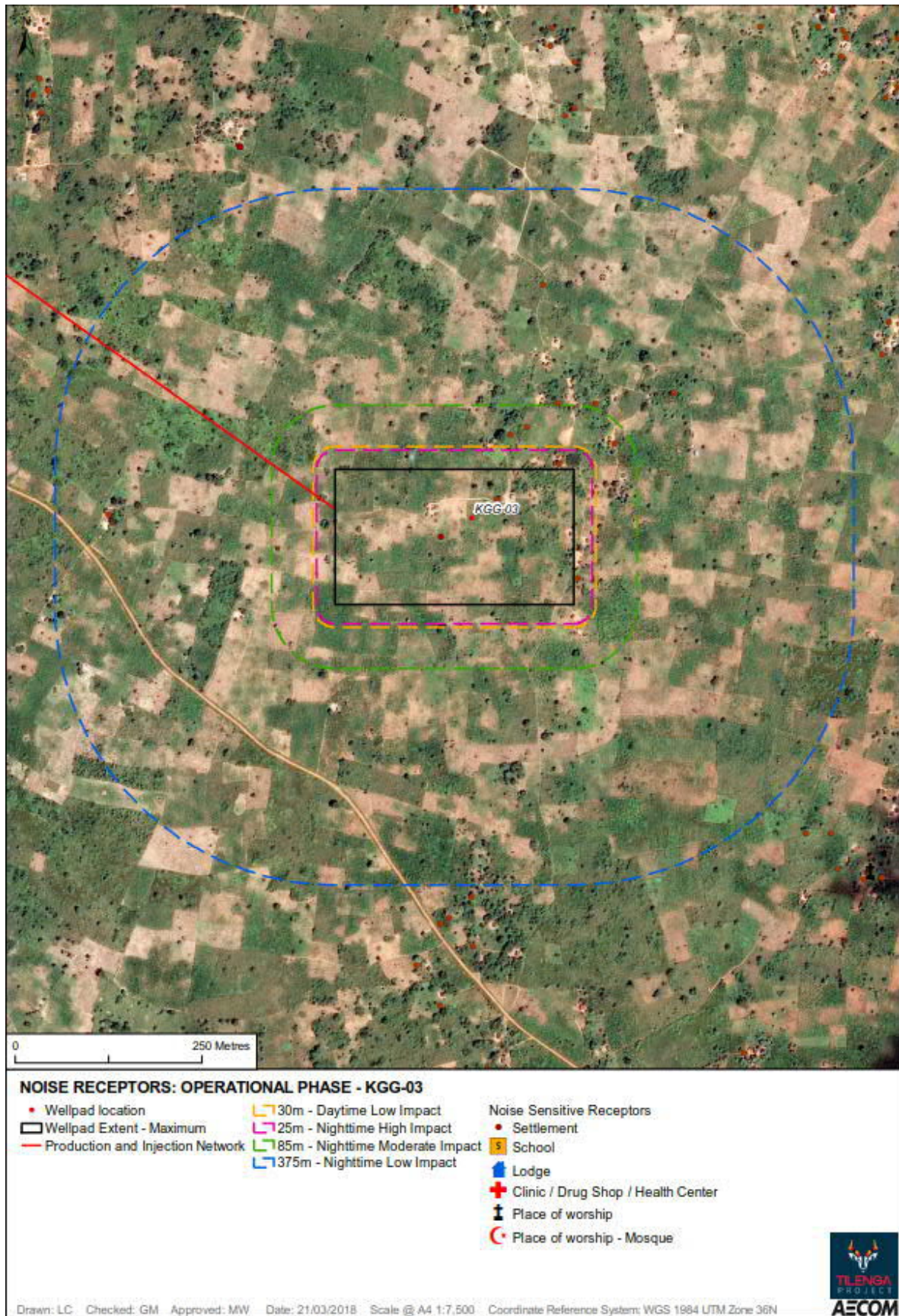




Figure I4-21: KGG-04 Commissioning and Operation Receptor Analysis

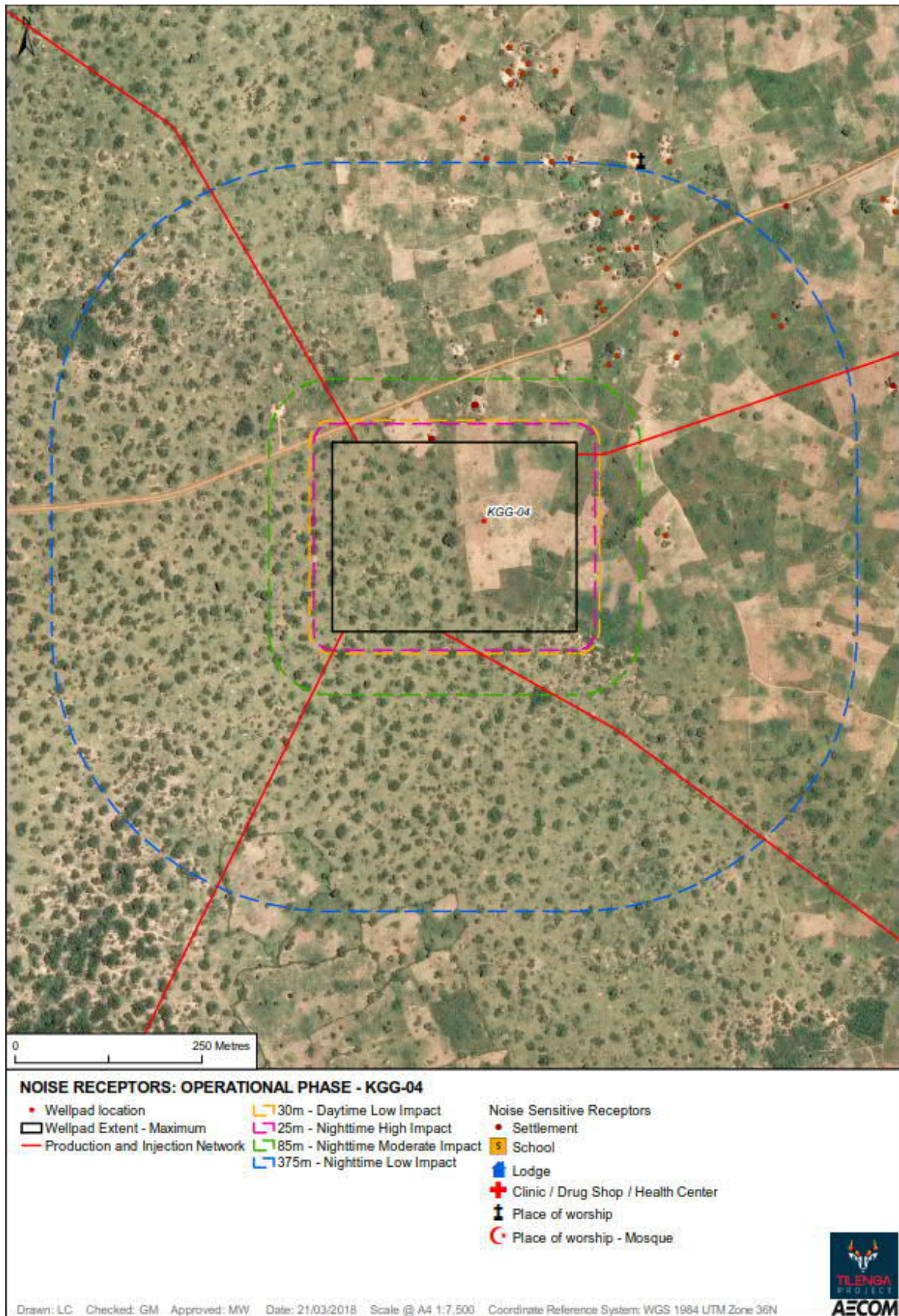




Figure I4-22: KGG-05 Commissioning and Operation Receptor Analysis

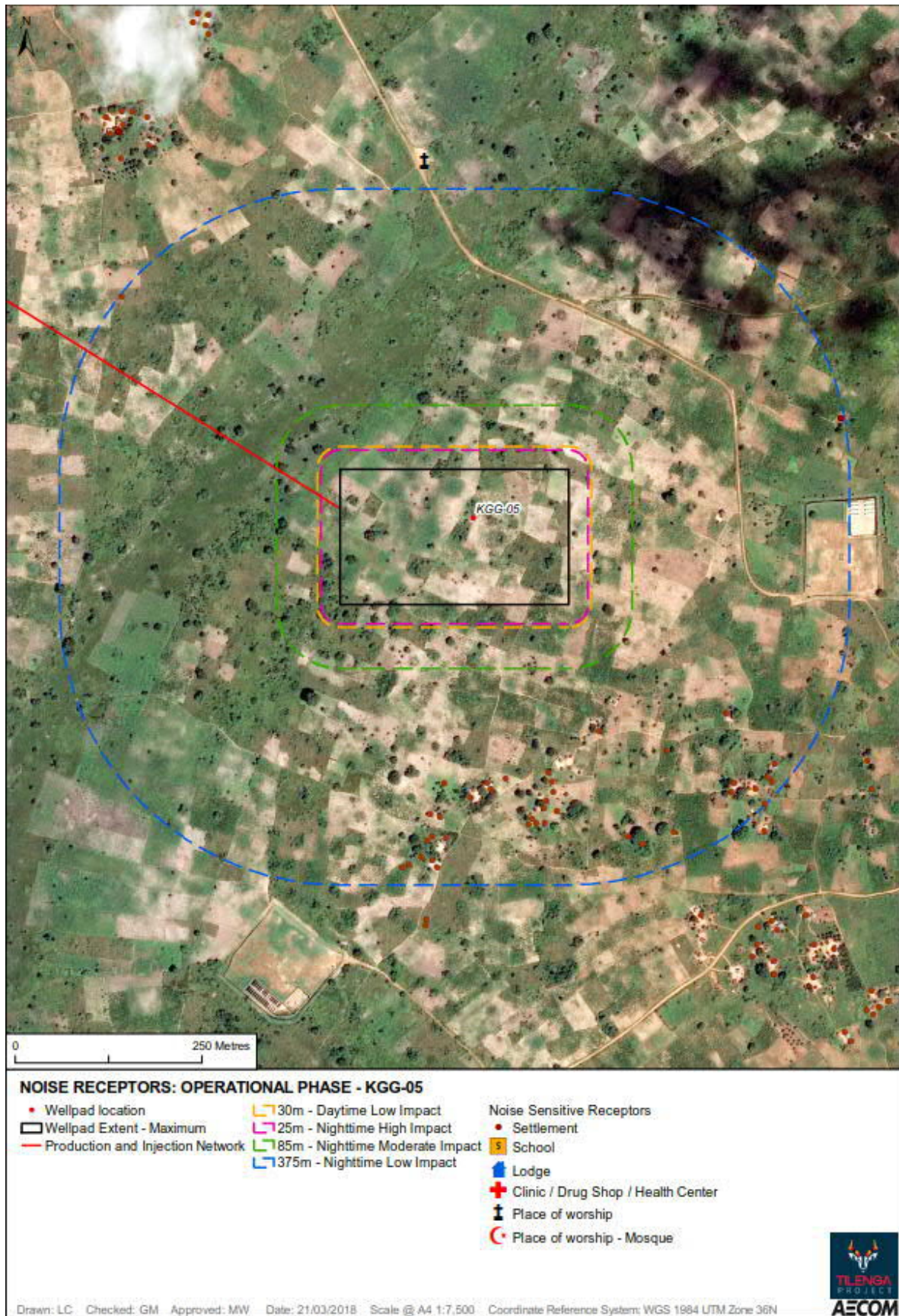




Figure I4-23: KGG-06 Commissioning and Operation Receptor Analysis

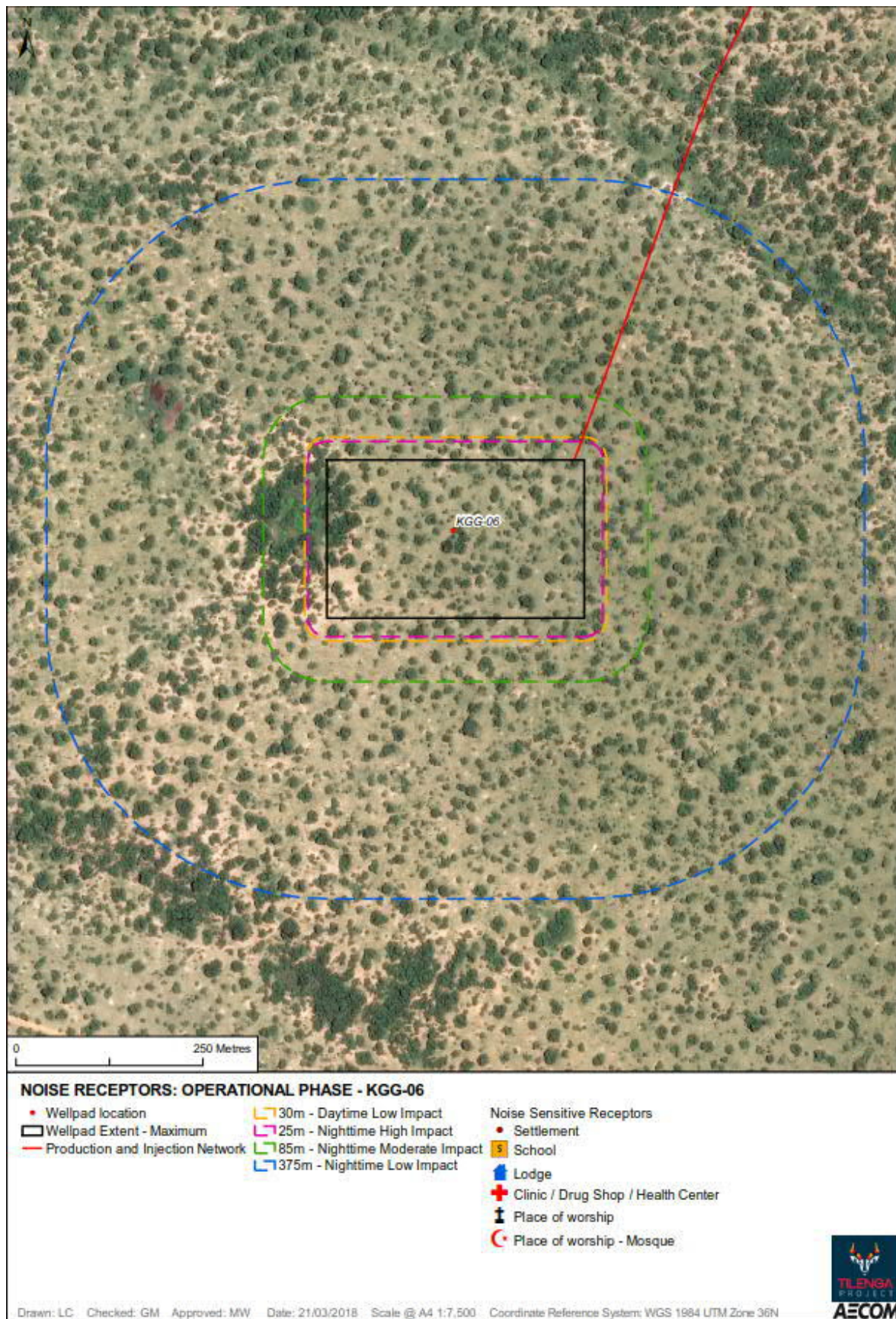




Figure I4-24: KGG-09 Commissioning and Operation Receptor Analysis

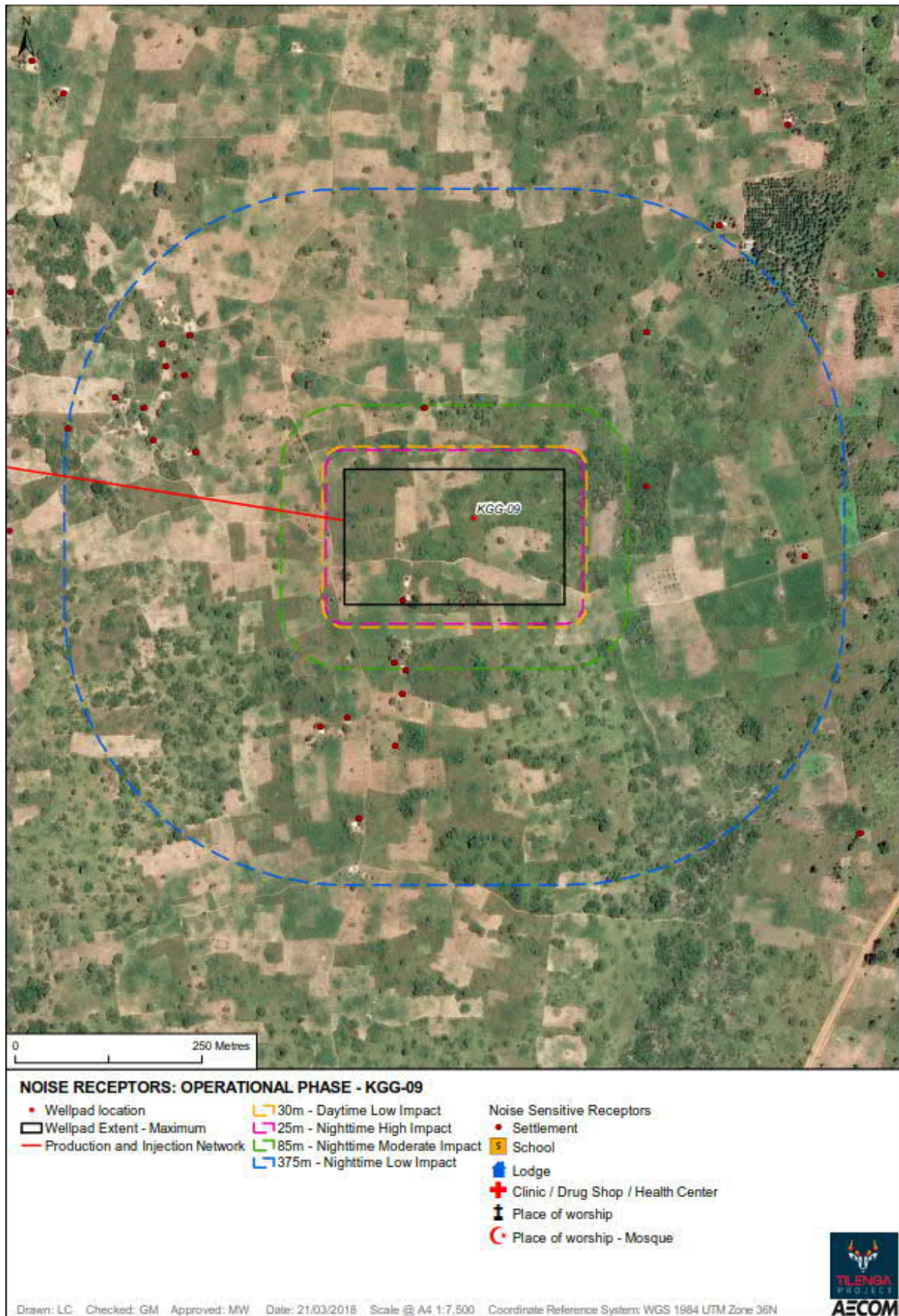




Figure I4-25: KW-01 Commissioning and Operation Receptor Analysis

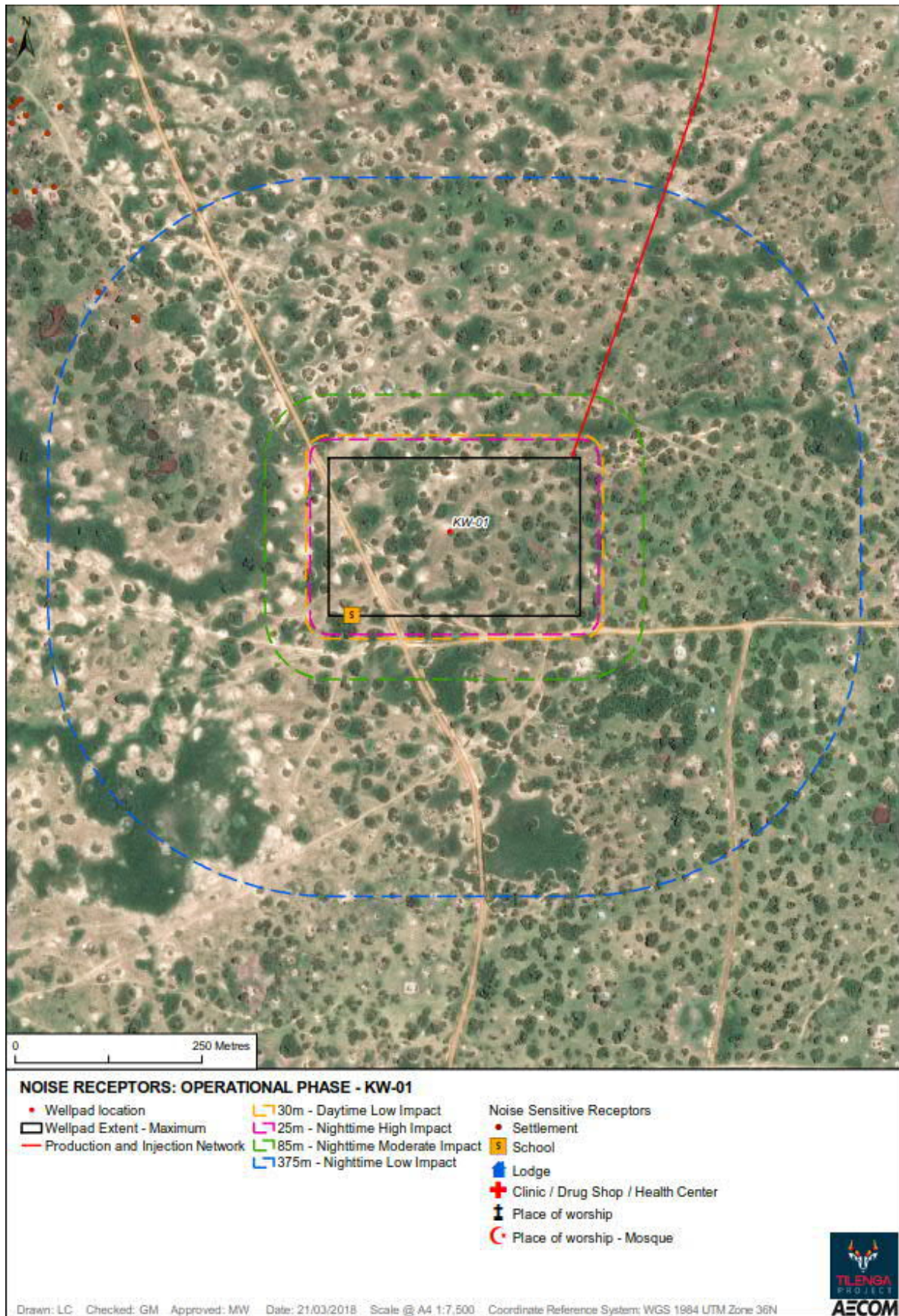




Figure I4-26: KW-02A Commissioning and Operation Receptor Analysis

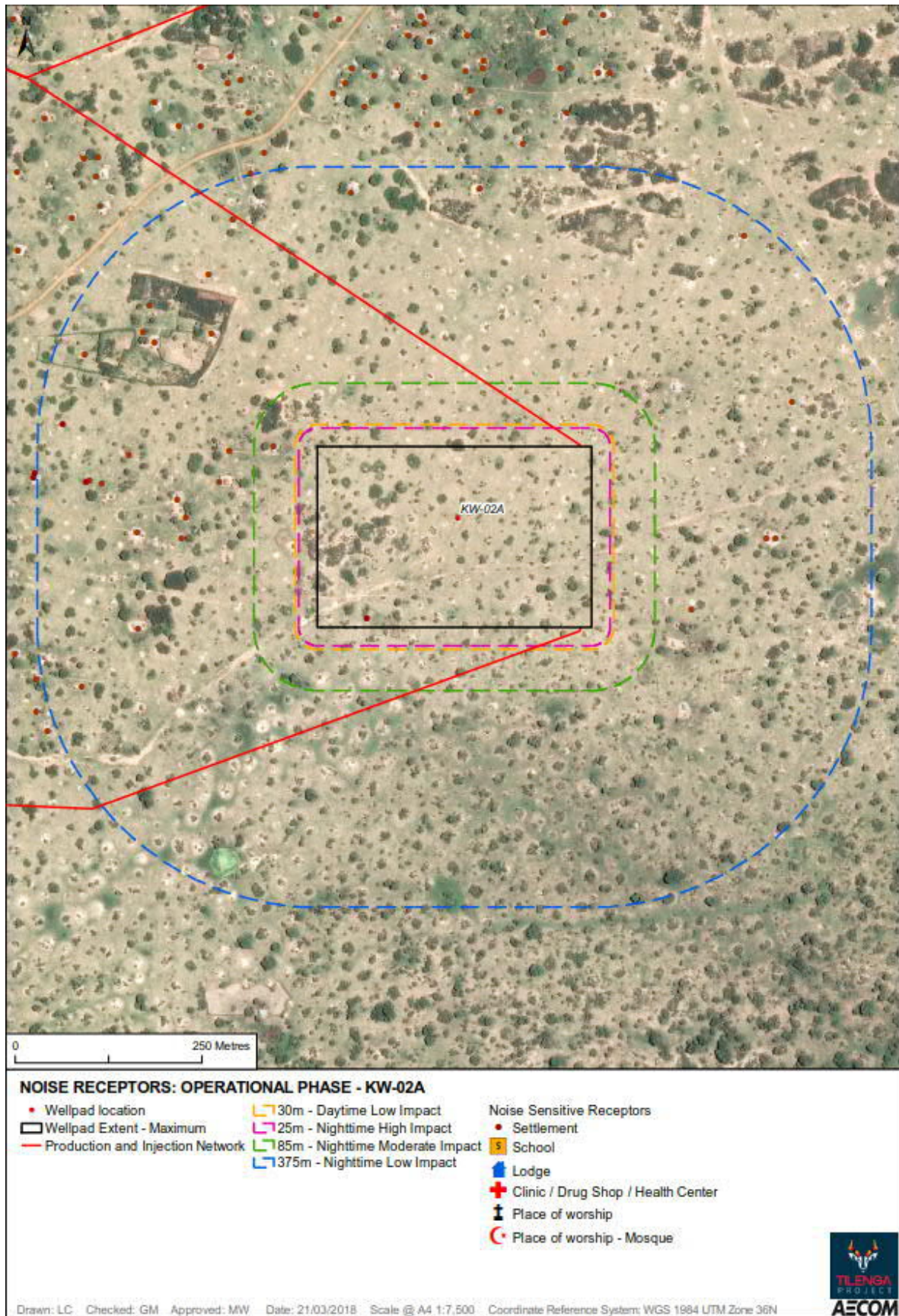




Figure I4-27: KW-02B Commissioning and Operation Receptor Analysis

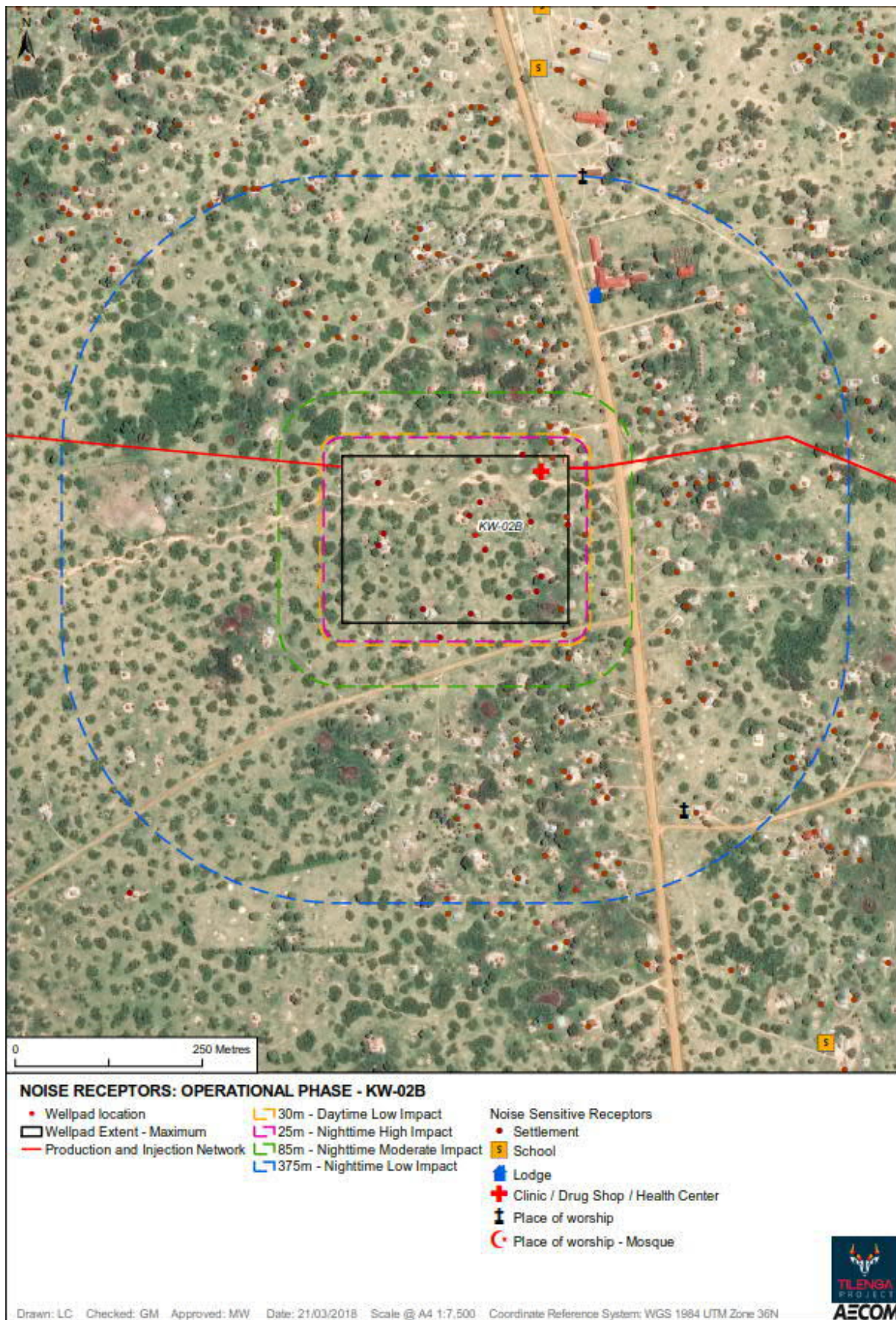




Figure I4-28: NGR-01 Commissioning and Operation Receptor Analysis

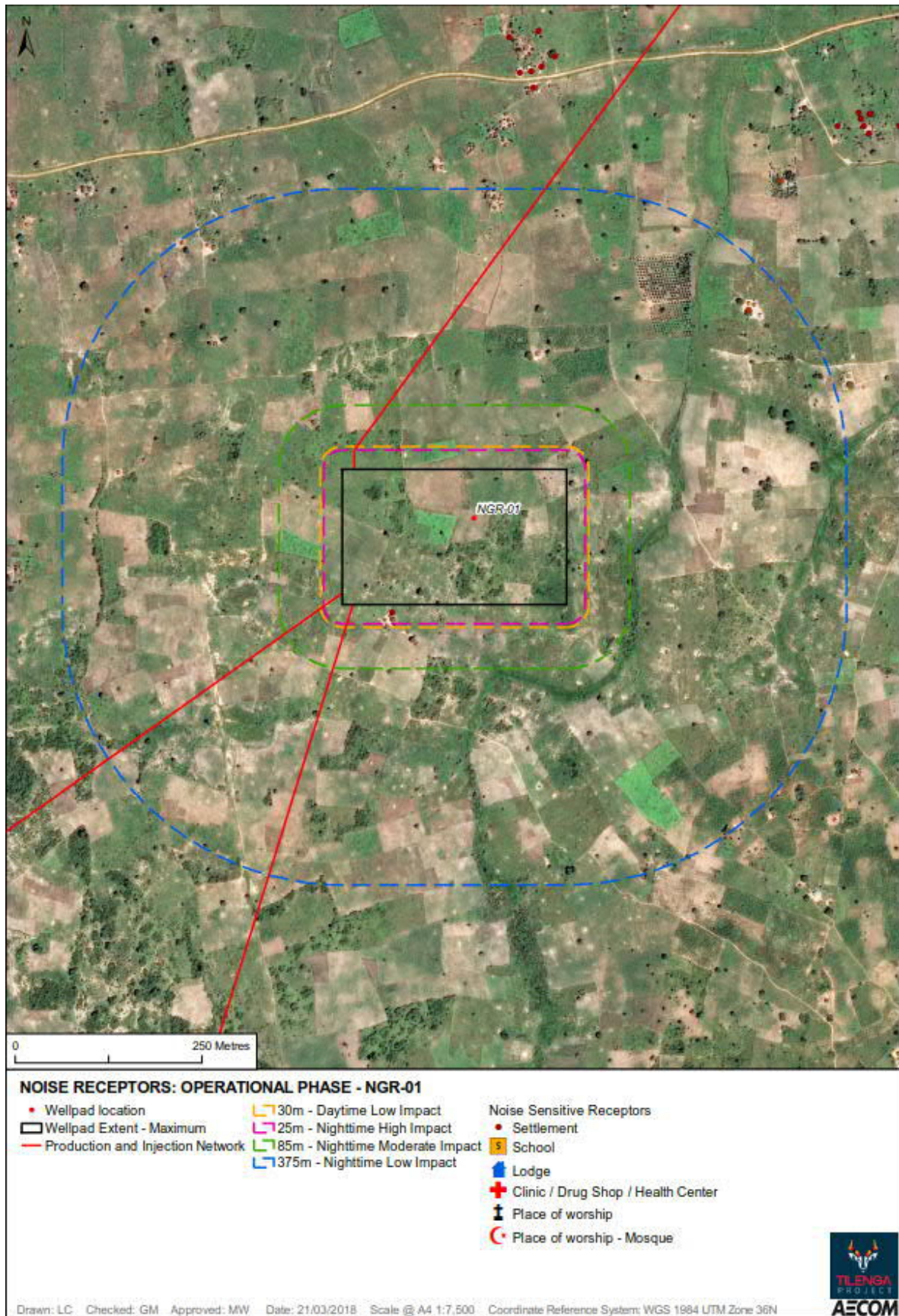




Figure I4-29: NGR-02 Commissioning and Operation Receptor Analysis

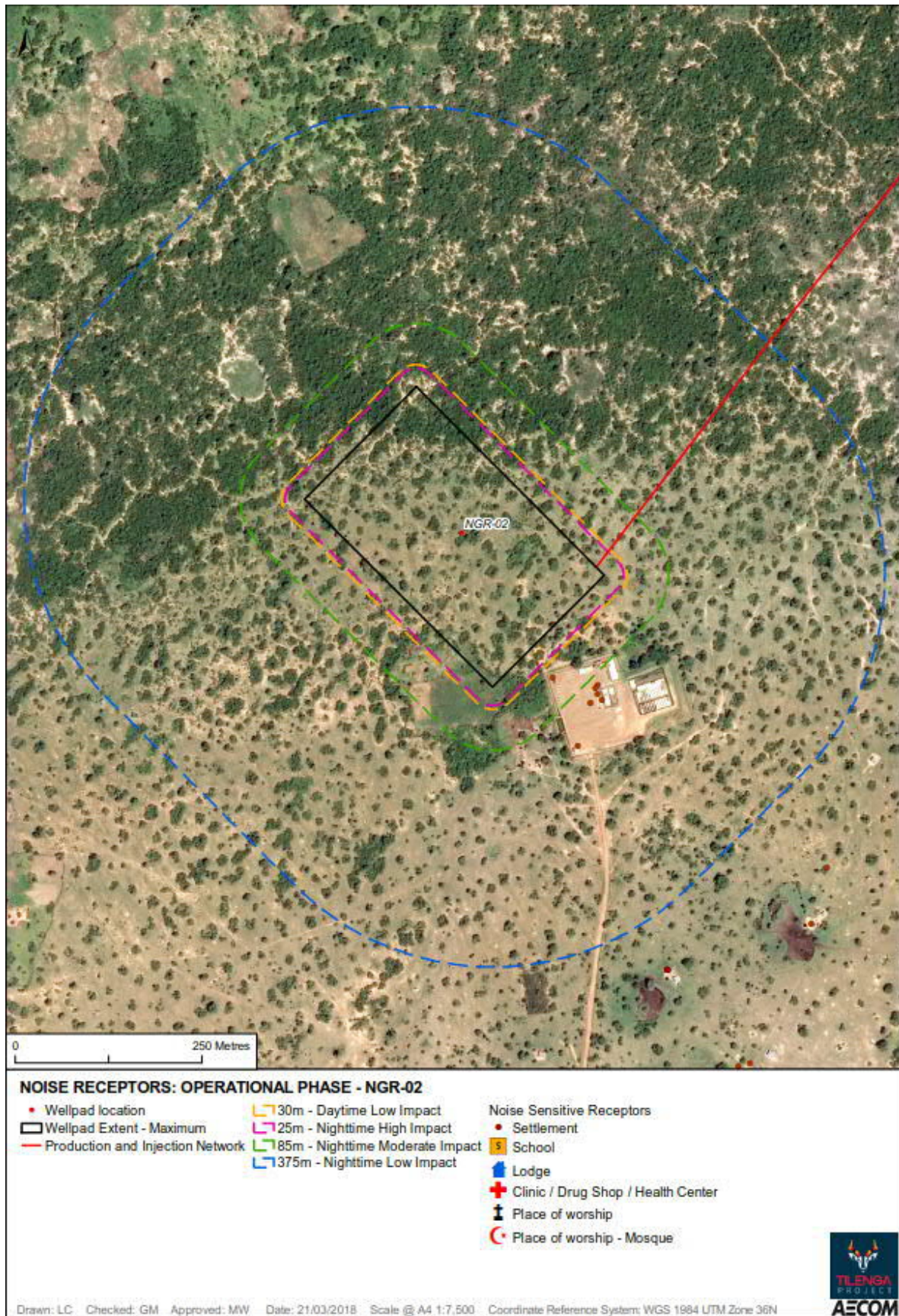




Figure I4-30: NGR-03A Commissioning and Operation Receptor Analysis

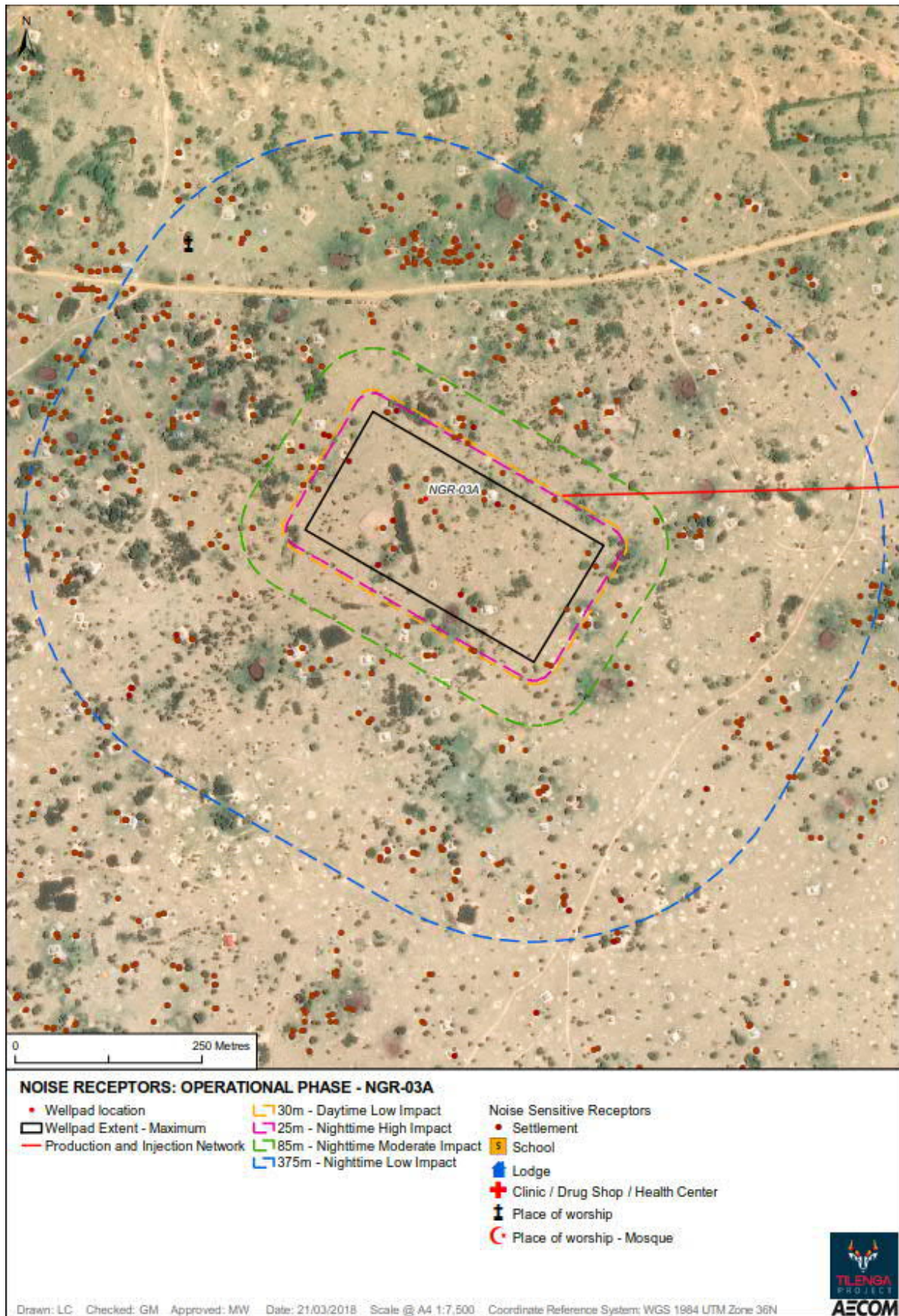




Figure I4-31: NGR-05A Commissioning and Operation Receptor Analysis

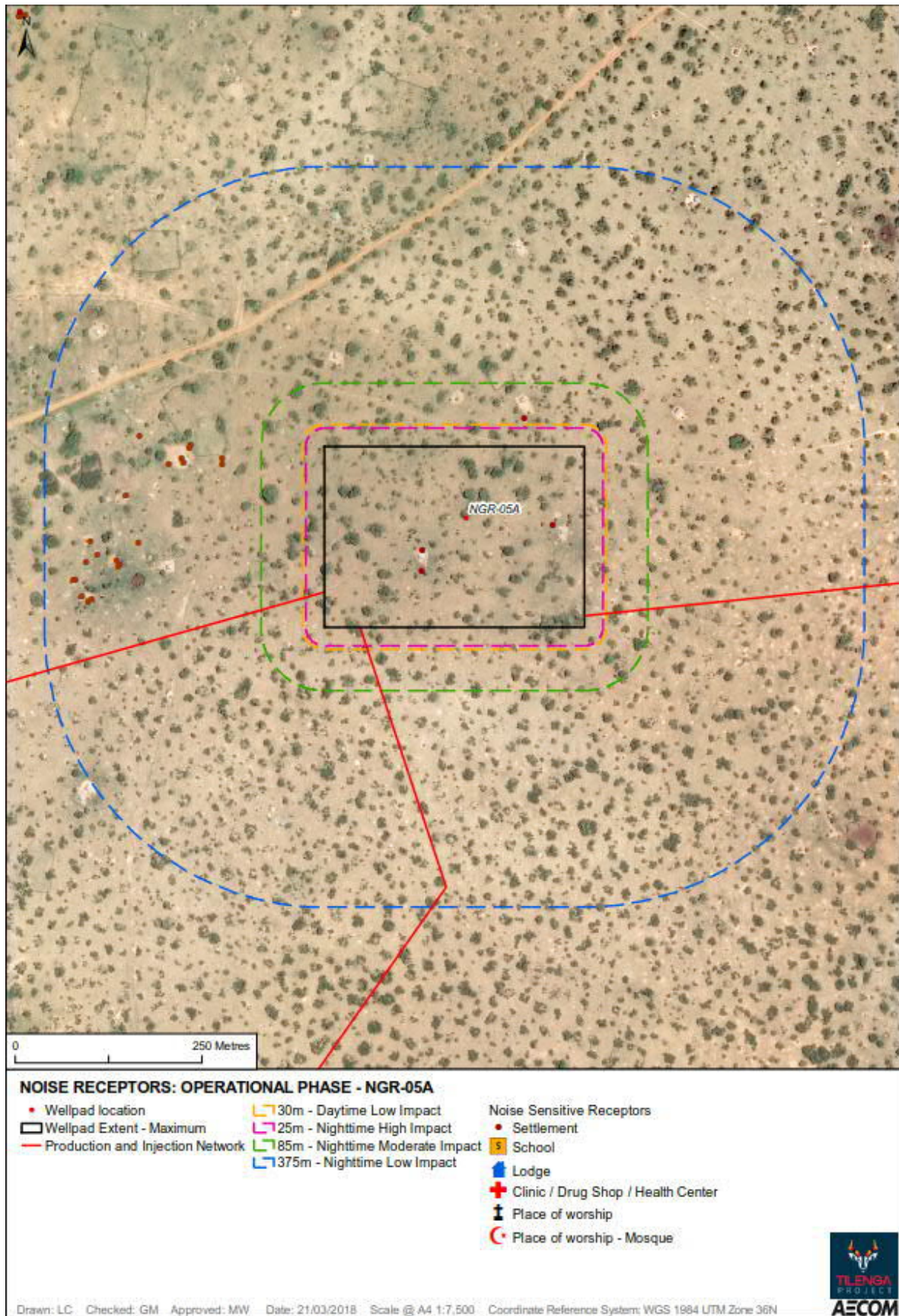




Figure I4-32: NGR-06 Commissioning and Operation Receptor Analysis

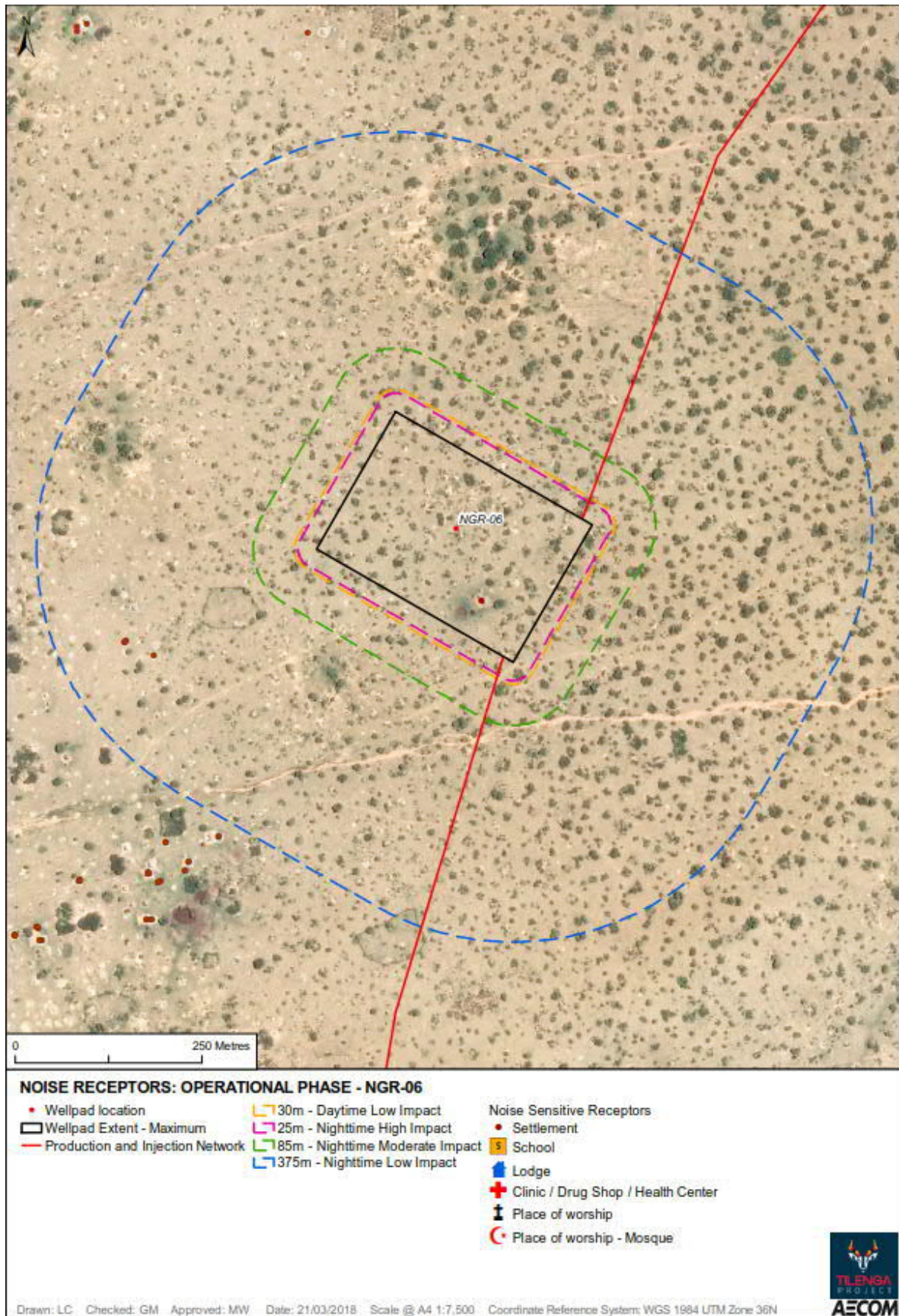




Figure I4-33: NSO-01 Commissioning and Operation Receptor Analysis

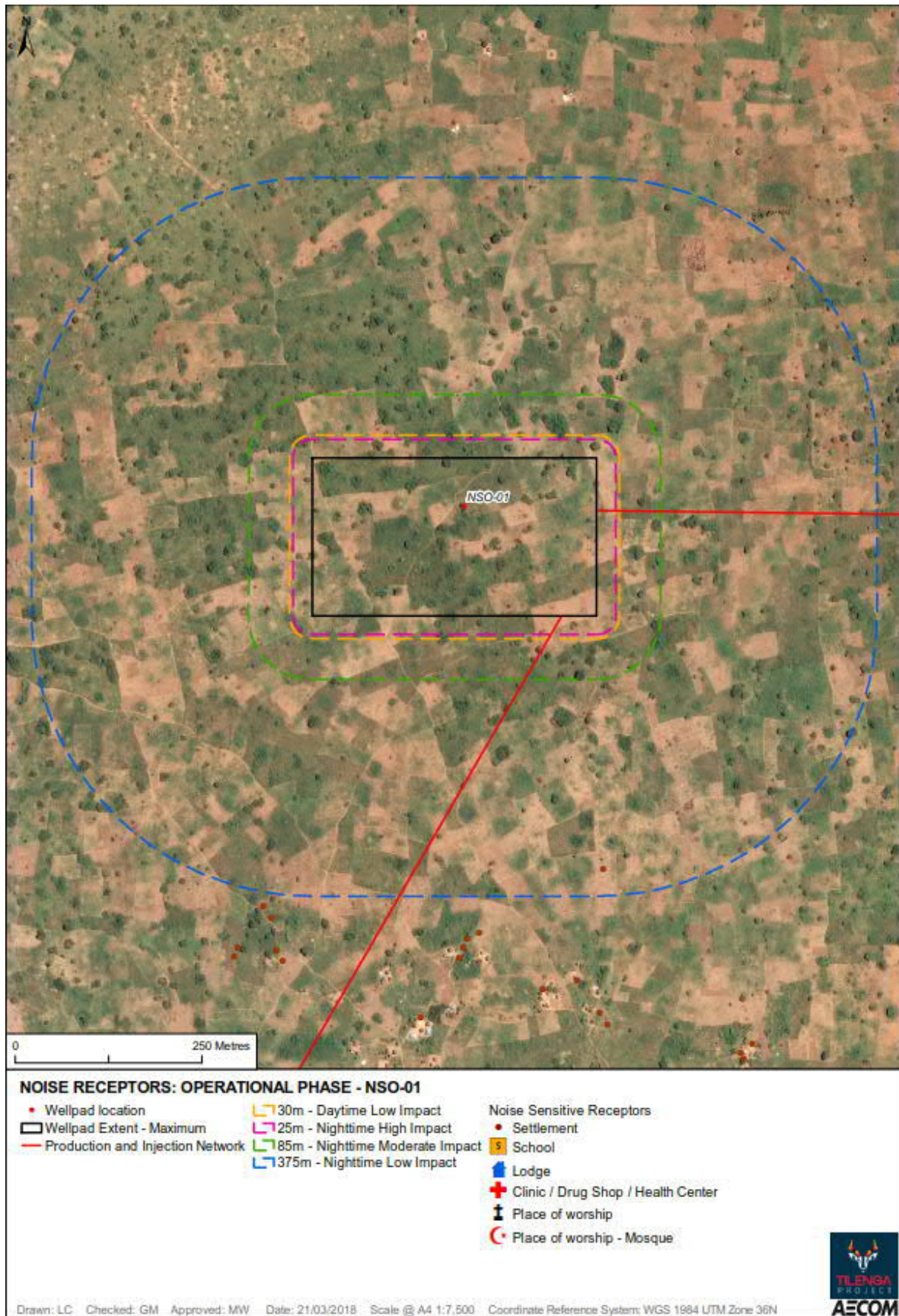




Figure I4-34: NSO-02 Commissioning and Operation Receptor Analysis

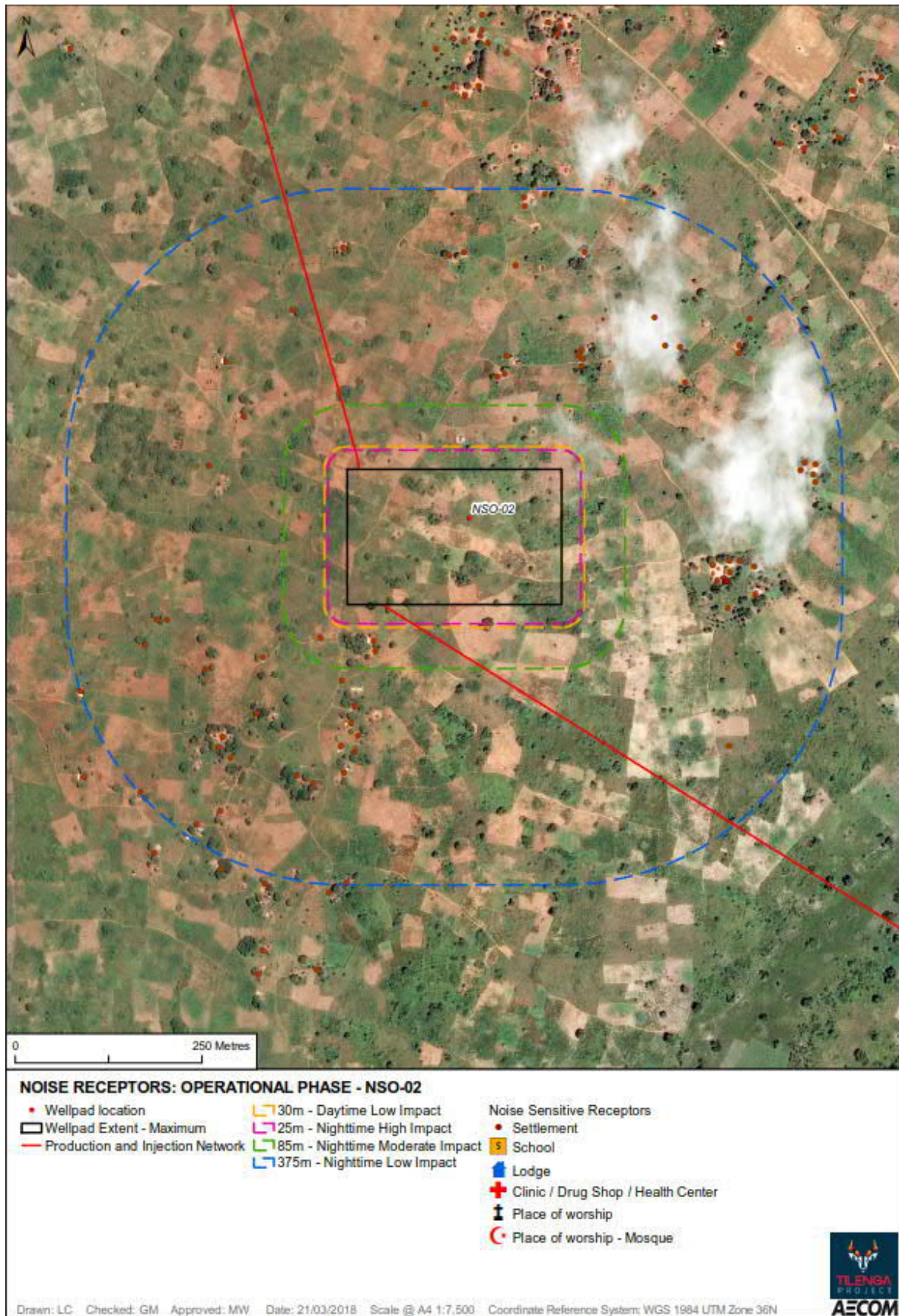




Figure I4-35: NSO-03 Commissioning and Operation Receptor Analysis

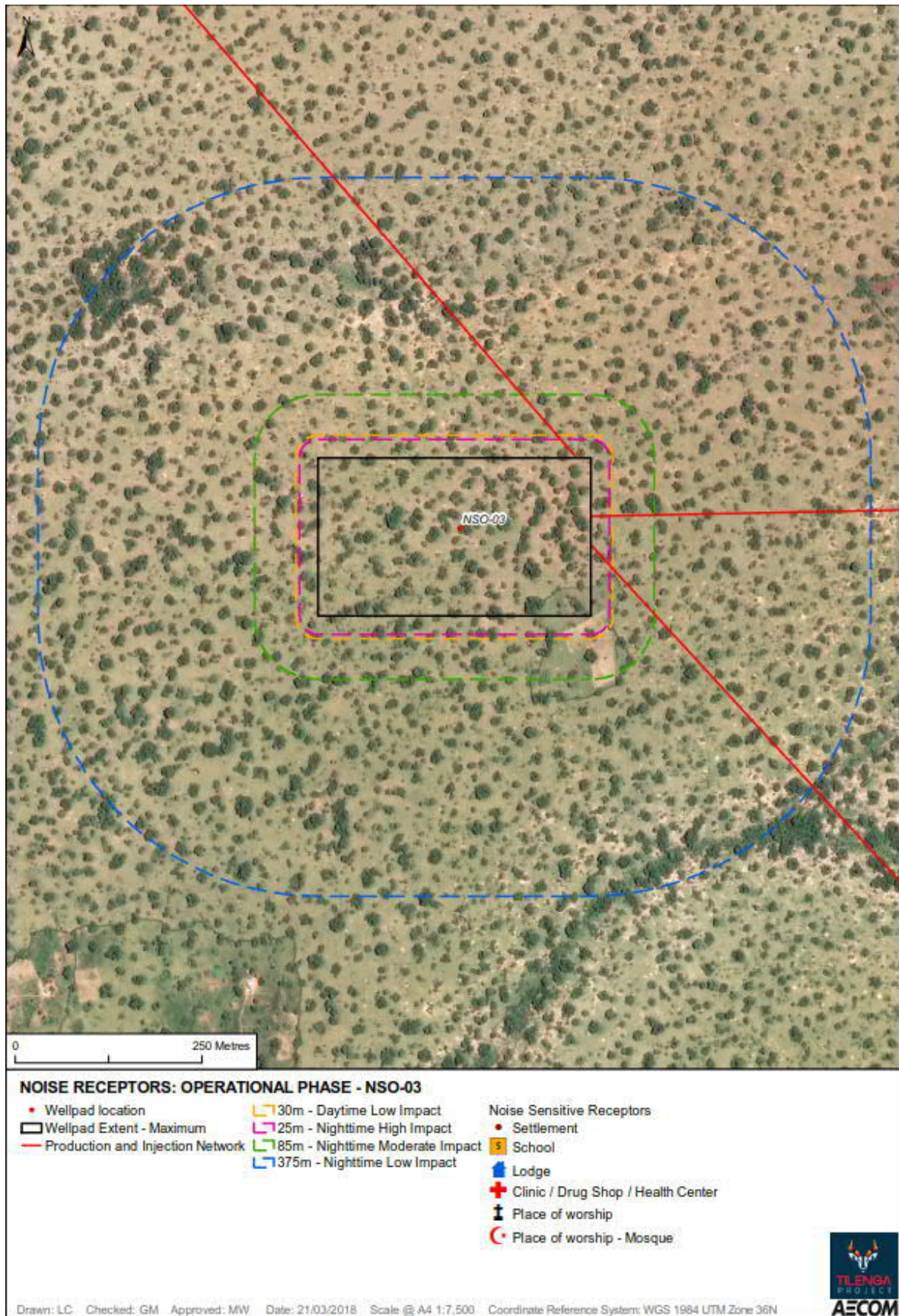




Figure I4-36: NSO-04 Commissioning and Operation Receptor Analysis

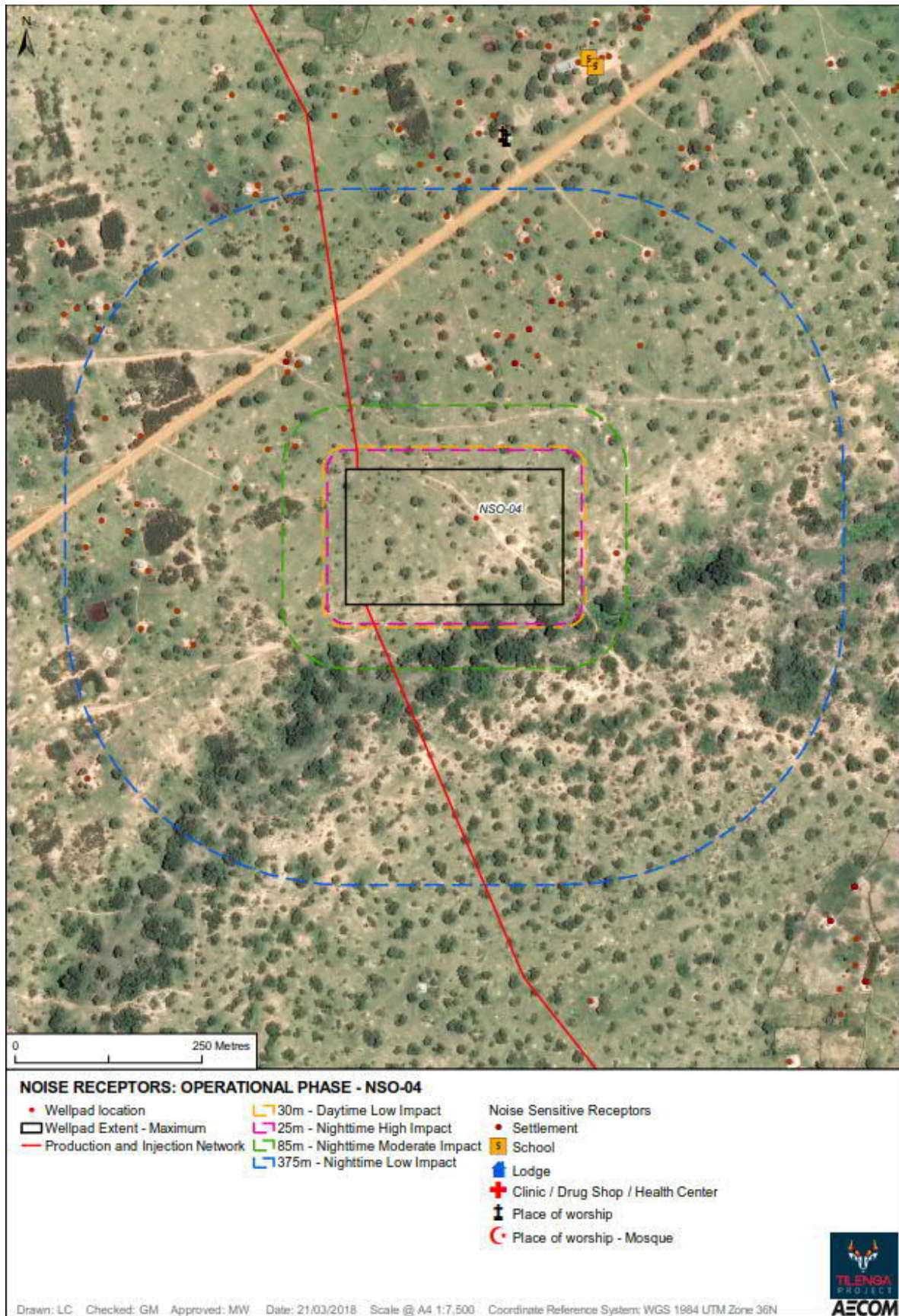




Figure I4-37: NSO-05 Commissioning and Operation Receptor Analysis

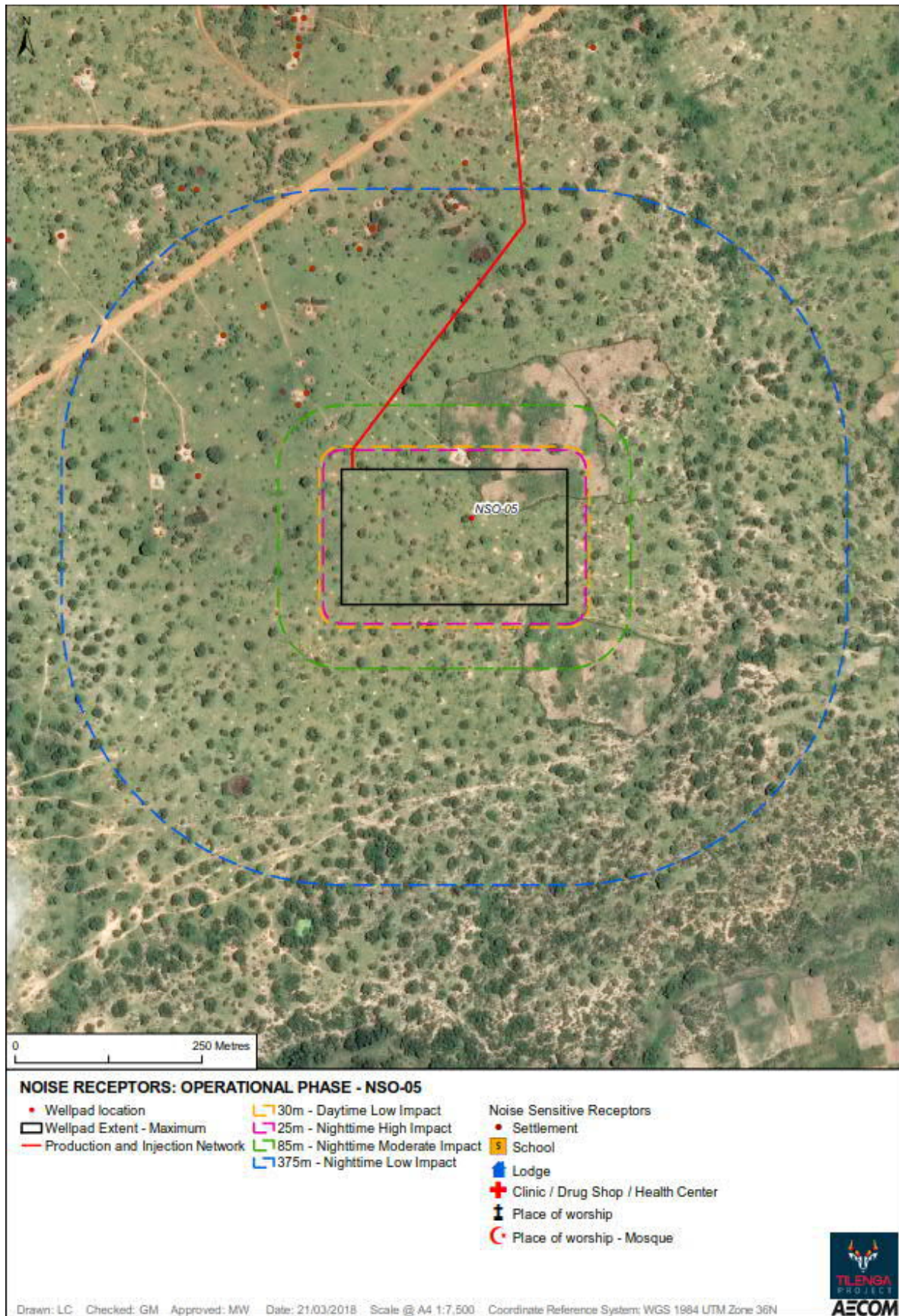
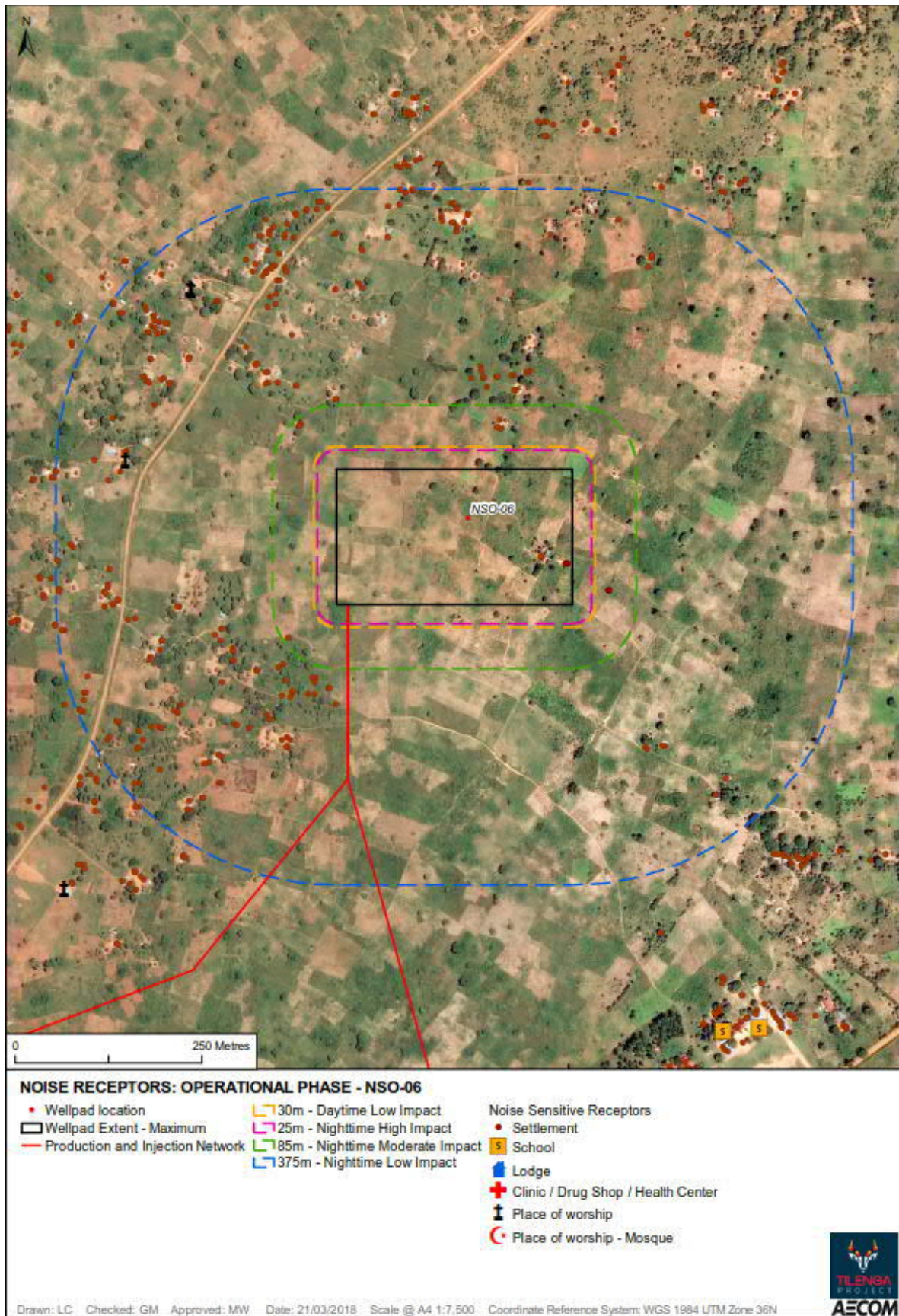




Figure I4-38: NSO-06 Commissioning and Operation Receptor Analysis





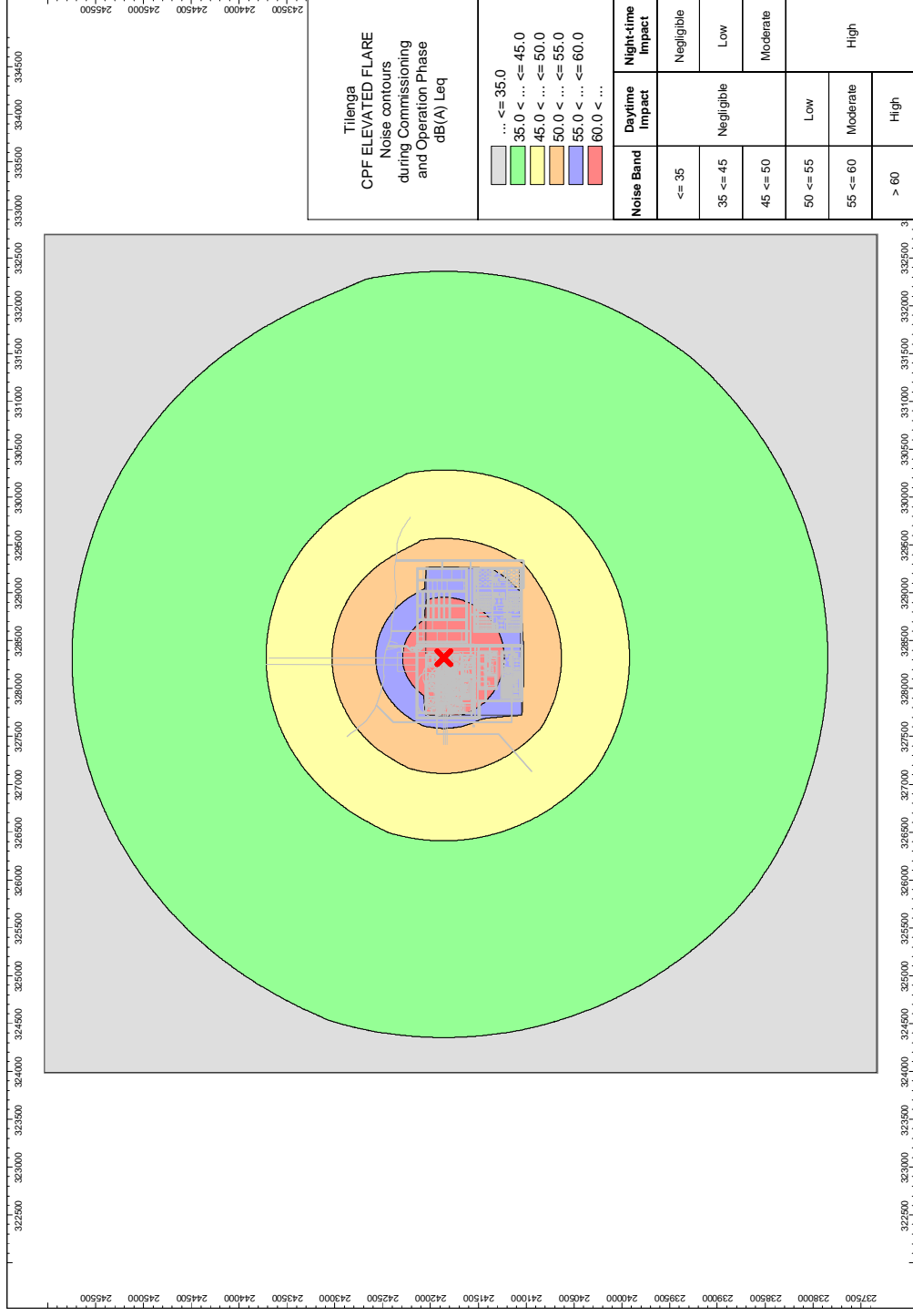
# Appendix 15: Unplanned Events Results





## Appendix I5. Commissioning and Operation Noise Contour Plots

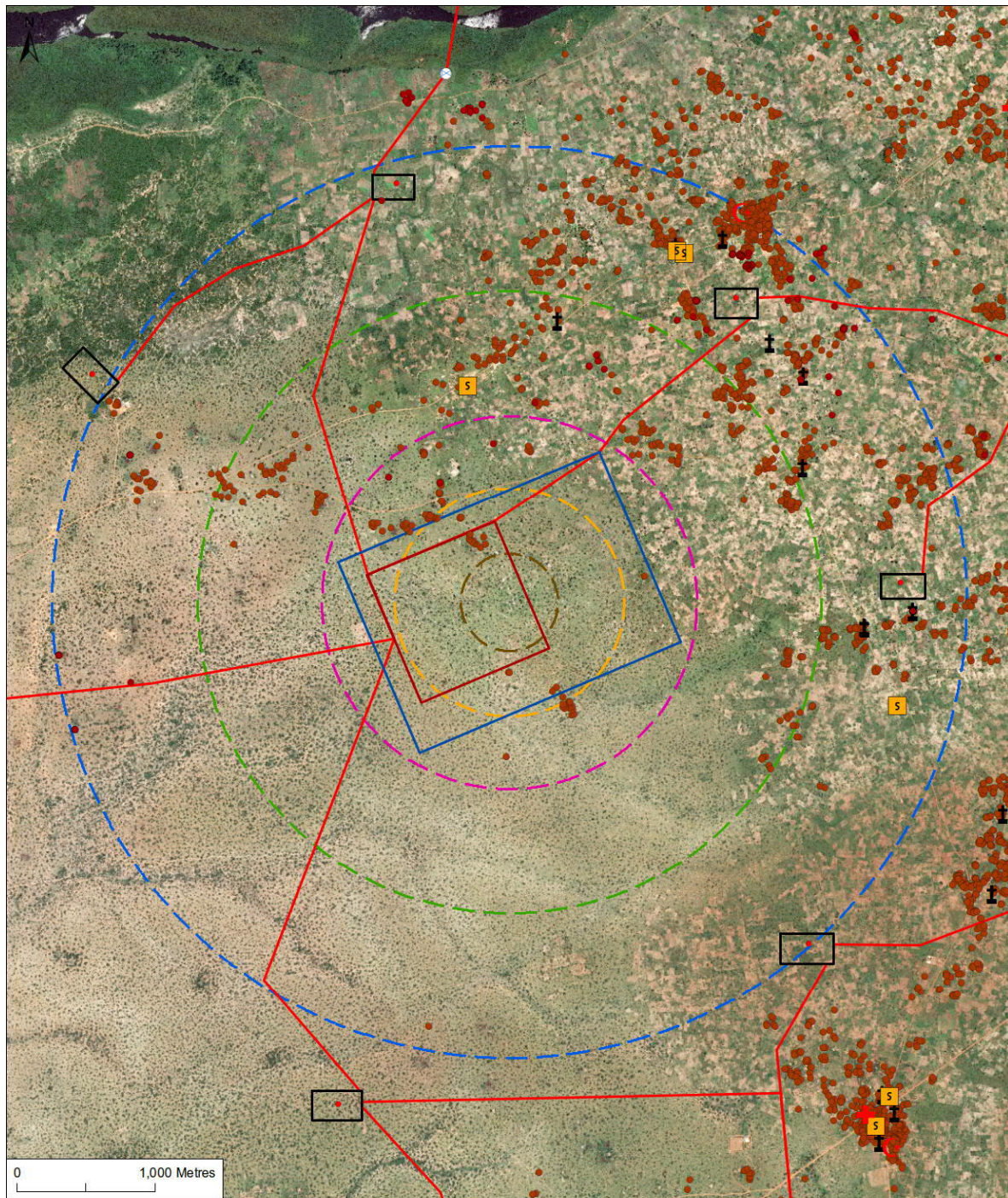
Figure I5.1: Emergency Flaring Noise Contours



The assessment of noise due to the flaring activities is presented in Section 7.8



Figure I5.2: Emergency Flaring Receptor Analysis



**NOISE RECEPTORS: UNPLANNED PHASE - EMERGENCY FLARE**

- |                                       |   |                                      |
|---------------------------------------|---|--------------------------------------|
| • Wellpad location                    | 1350m - Daytime Moderate Impact                         | Noise Sensitive Receptors            |
| □ Wellpad Extent - Maximum            | 825m - Daytime Low Impact                               | • Settlement                         |
| ⊕ Victoria Nile Pipeline HDD Crossing | 1350m - Nighttime High Impact                           | S School                             |
| ▭ Industrial Area                     | 2250m - Nighttime Moderate Impact                       | L Lodge                              |
| ▭ CPF                                 | 3300m - Nighttime Low Impact                            | ⚡ Clinic / Drug Shop / Health Center |
| — Production and Injection Network    | Emergency Flare measured from centre of Industrial Area | ⚡ Place of worship                   |
|                                       |   | ⚡ Place of worship - Mosque          |

Drawn: LC Checked: GM Approved: MW Date: 04/02/2019 Scale @ A4 1:45,375 Coordinate Reference System: WGS 1984 UTM Zone 36N





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