



North-South 400kV Interconnection Development

Residential Visual Impact Assessment

May 2015

TOBIN CONSULTING ENGINEERS



REPORT

PROJECT: **North-South 400kV Interconnection
Development**
Residential Visual Impact Assessment

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APPENDIX 1 – INDIVIDUAL PROPERTY ASSESSMENT TABLES

APPENDIX 2 – RESIDENTIAL VISUAL IMPACT (RVIA) FIGURES (A1 SHEETS)

Cavan-Monaghan Study Area (CMSA): Figures 1 to 15

Meath Study Area (MSA): Figures 16 to 35

1 INTRODUCTION

- 1 The following report provides an evaluation of the potential for impact on views from individual properties located along the route of the proposed development in the Cavan-Monaghan Study Area (CMSA) and Meath Study Area (MSA).
- 2 A description of the proposed development is set out in Chapter 6, Volume 3B of the EIS. That chapter describes the full nature and extent of the proposed development, including elements of the overhead line (OHL) design and the towers. In addition Chapter 6, Volume 3B of the EIS provides a factual description, on a section by section basis, of the entire line route. The proposed alignment is described in that chapter using townlands and tower numbers as a guideline. The principal construction works proposed as part of the development are set out in Chapter 7, Volume 3B of the EIS.
- 3 A description of the existing environment is contained in the following chapters:
 - Cavan-Monaghan Study Area (CMSA) - Chapter 11, Section 11.4, Volume 3C;
 - Meath Study Area (MSA) – Chapter 11, Section 11.4, Volume 3D
- 4 These chapters describe the landscape context and character, landscape values and provide a detailed description of individual landscape units.
- 5 The assessment area for the proposed development contains a large number of properties, including both private residences and commercial operations. These properties are located mainly along public roads and most have private gardens. A number of properties are set back from public roads, with private access.
- 6 The EIS has identified that properties within approximately 500m of the line route are most likely to experience higher visual impacts, and that visual impact decreases with distance. Based on this conclusion, the study area for this assessment includes all properties (residential and commercial) located within 500m of the overhead line (OHL). The same study area has been used in the assessment of individual properties included in the Landscape and Visual Impact Assessment of the System Operator Northern Ireland (SONI) Proposal¹. The properties within 500m of the line route have been assessed in terms of potential visual impacts arising from both the construction phase and operational phase of the proposed development.

¹ The SONI Landscape and Visual Impact Assessment is included in the Consolidated Environmental Statement of the Tyrone – Cavan Interconnector, Volume 2, Section 13.6.2.2 “*Assessment of Individual Properties*” and Volume 3, Part 4, Appendix 13A: Individual Properties Assessment Table.

2 METHODOLOGY

7 This section describes the survey methods and assessment tools used to appraise the potential impact on views from individual properties.

8 There were 3 main stages to the assessment:

Desktop Assessment

- The line route, towers, access tracks, stringing areas and properties located within 500m of the development were incorporated into Google Earth.
- Documentation used in the assessment included: Google aerial mapping, current Environmental Impact Statement (EIS) data including Zone of Theoretical Visibility (ZTV) mapping, 1:50,000 Landscape constraints mapping and photomontages.
- Using these tools, a desktop assessment was carried out of the potential impact on views from identified individual properties.

On-site Review and Verification of Desktop Assessment

- The desktop assessment was reviewed and verified on-site.

Final Assessment

- Data recorded on-site and the desktop assessment data were combined.
- The assessment was finalised and an assessment summary and conclusions including preparation of individual property assessment tables were prepared (as included in Appendix 1).

2.1 PROPERTY CATEGORISATION

9 A combined total of 1,070 properties (within 500m of the line route) were assessed along the Cavan-Monaghan Study Area (CMSA) and Meath Study Area (MSA) sections of the proposed development. The assessment also includes properties in Northern Ireland within 500m of the EirGrid Proposal.

-
- 10 The following property references have been used in the assessment based on land registry data received:

R – Residential

C – Commercial

B – Both (Residential and Commercial)

D – Derelict

U – Under construction

- 11 Properties located in Northern Ireland which may experience visibility of the proposed development have also been labelled. These properties are not included within the GeoDirectory.

NI R – Residential in Northern Ireland

NI C – Commercial in Northern Ireland

J – Labelling category used in the SONI assessment and jointly assessed by the SONI and EirGrid assessments

- 12 The assessment of individual properties is based on land registry data received. The properties are those listed as Residential (R) and Commercial (C) or Both (B). These properties are distributed as follows:

CMSA: 457 properties in total. This includes 4 new houses that are not listed within the 2014 GeoDirectory data, and have been identified as – CMSA_R_N1, CMSA_R_N2, CMSA_R_N3, CMSA_R_N4. Three houses with planning permission, which were not yet built at the time of site visits, were also identified and assessed based on worst case scenario conditions (open views, no screening). These properties are identified as CMSA_R_P1, CMSA_R_P2, CMSA_R_P3.

MSA: 598 properties in total. This includes 3 new houses that are not listed within the 2014 GeoDirectory data, and have been identified as – MSA_R_N1, MSA_R_N2, MSA_R_N3.

Northern Ireland: 15 properties in total.

- 13 The proposed OHL development crosses the border from Ireland into Northern Ireland. Considering this, transboundary impacts have been considered and evaluated. The

assessment of properties located within Ireland is concerned with the combined impact of the EirGrid Proposal and Tower 102, which is part of the SONI Proposal. They are identified as: CMSA_R_01, CMSA_B_03, CMSA_B_02, CMSA_B_01.

14 The assessment of properties located in Northern Ireland is concerned with the potential visual impact of the EirGrid proposal only. These properties are identified as: NI 1_R, NI 2_R, NI 3_R, NI 4_R, NI 5_R, NI 6_R, NI 7_R, NI 8_R, NI 9_R, NI 10_R, NI 1_C, J61, J60, J59, J48.

15 An assessment of visual impact on individual properties located within 500m of the SONI Proposal in Northern Ireland and in transboundary areas is included in the Consolidated Environmental Statement of the Tyrone – Cavan Interconnector, Volume 2, Section 13.6.2.2 “*Assessment of Individual Properties*” and Volume 3, Part 4, Appendix 13A: Individual Properties Assessment Table.

16 In addition, a total of 21 properties were identified as derelict, and excluded from the assessment. These properties are identified as follows:

CMSA: CMSA_D_19, CMSA_D_14, CMSA_D_10, CMSA_D_09, CMSA_D_06, CMSA_D_03, CMSA_D_01

MSA: MSA_D_012, MSA_D_011, MSA_D_010, MSA_D_009, MSA_D_008, MSA_D_007, MSA_D_006, MSA_D_005, MSA_D_004, MSA_D_003, MSA_D_002, MSA_D_001

Northern Ireland: NI 1_D, NI 2_D

17 Vegetation clearance associated with the proposed development has been estimated based on the following information outlined within the EIS:

- Areas where the line passes through woodland will require the removal of an up to 74m swathe of trees.
- A maximum area of 30m x 30m around each tower may require removal of hedgerow vegetation at construction (with the exception of Towers 166 and 168 located in the CMSA section, where larger working areas are proposed. The minimum width of these working areas is proposed to be 41m at Tower 168 and 34m at Tower 166 to account for additional excavations required to stabilise ground adjacent to the foundation locations).
- Hedgerows with a height of up to 6m are unlikely to be lopped.

18 Where it has not been possible to access physically or visually a particular property or properties, a worst case assessment is assumed (e.g. ground floor windows in the direction of the line, no screening vegetation).

2.2 REFERENCE MAPPING

19 Both the Cavan-Monaghan Study Area (CMSA) and Meath Study Area (MSA) sections of the line have been divided into sections and are referenced in **Figures 1-35** included in Appendix 2 – Residential Visual Impact Assessment (RVIA) Figures (A1 Format). The **CMSA section** contains **Figures 1-15** and the **MSA section** contains **Figures 16-35** as follows:

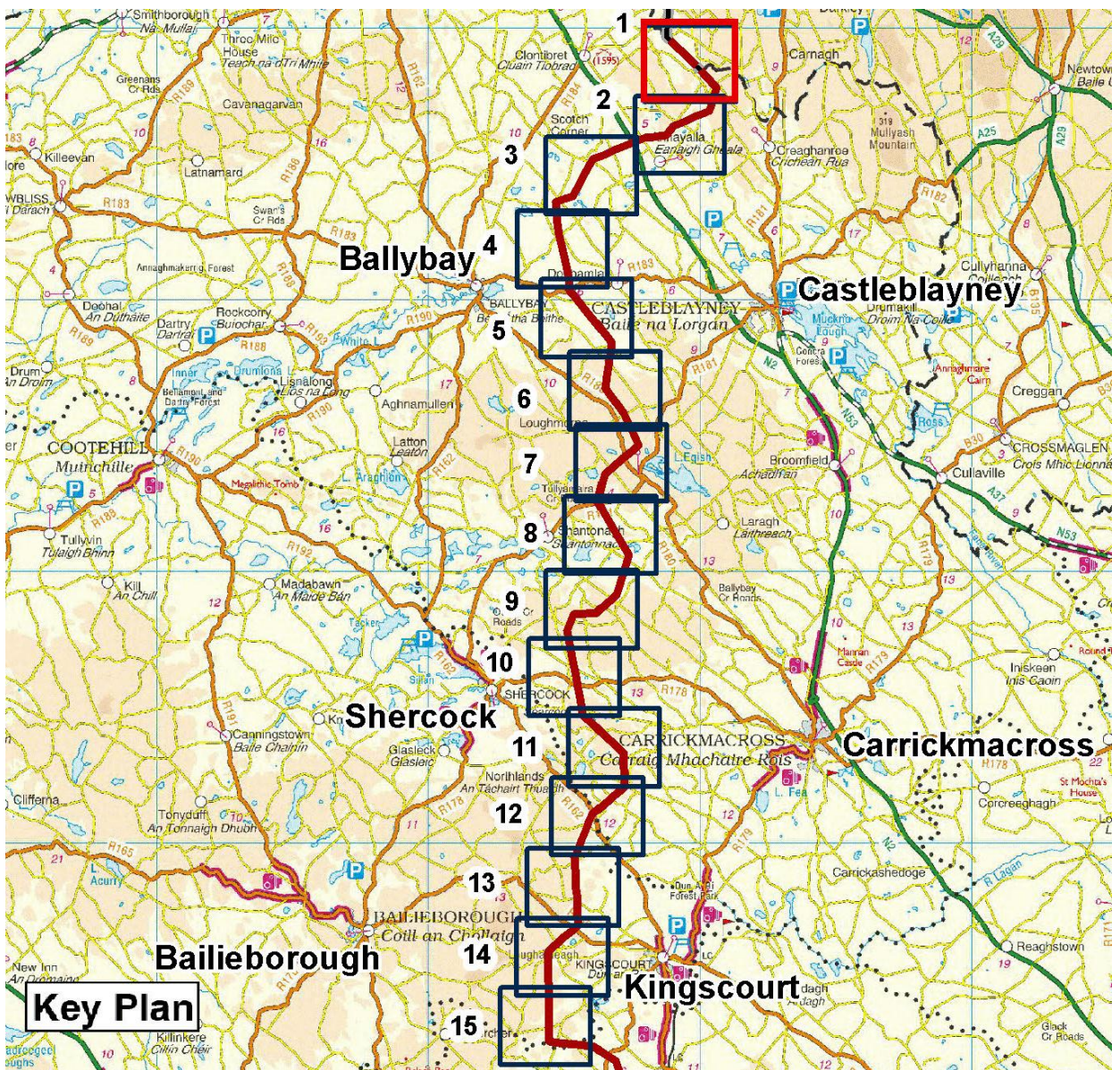


Figure 1.1 – Areas covered by Figures 1 to 15 - Cavan-Monaghan Study Area (CMSA)

20 Cavan-Monaghan Study Area (CMSA)

Figure 1: CMSA Towers 102² - 110 (Properties R_12 – R_10 and R_08 – R_01, B_14 – B_01, C_01, NI 10_R – NI 1_R, NI 1_C, J61, J60, J59, J48)

Figure 2: CMSA Towers 110 - 122 (Properties R_24 – R_13, R_09, R_18B, R_N4, B_26 – B_15, U_02)

Figure 3: CMSA Towers 122 - 133 (Properties R_39 and R_37 – R_28 and R_26 - R_25, B_43 – B_27, C_02, U_04)

Figure 4: CMSA Towers 134 - 141 (Properties R_44 – R_40, B_58 – B_48 and B_46 – B_44, C_03, U_05)

Figure 5: CMSA Towers 141 - 150 (Properties R_53 – R_45, R_P2, R_P1, B_69 - B_59, B_68B, C_04, U_07)

Figure 6: CMSA Towers 151 - 158 (Properties R_81 – R_54, B_77 - B_70, C_07 – C_05)

Figure 7: CMSA Towers 159 - 169 (Properties R_97 – R_82, B_86 - B_78, C_09 – C_08, U_08)

Figure 8: CMSA Towers 169 - 177 (Properties R_113 – R98, R_N2, R_N3, B_95 – B_87)

Figure 9: CMSA Towers 178 - 190 (Properties R_140 – R_114, R_N1, R_P3, B_112 – B_96, U_11)

Figure 10: CMSA Towers 189 - 197 (Properties R_152 and R_150 – 141, B_122 – B_113, C_13 – C_10, U_12)

Figure 11: CMSA Towers 197 - 206 (Properties R_177 – R_153 and R_151, B_128 – B_123, U_13)

Figure 12: CMSA Towers 206 - 216 (Properties R_195 - R_178, B_139 – B_129, C_14, U_16 – U_15)

Figure 13: CMSA Towers 216 - 234 (Properties R_210 – R_196, B_147 – B_140, U_17)

Figure 14: CMSA Towers 224 - 232 (Properties R_233 – R_211, B_165 – B_148, C_16 – C_15, U_18)

Figure 15: CMSA Towers 232 - 237³ (Properties R_246 – R_234, B_173 – B_166, U_20)

² Tower 102 is part of the proposed SONI development and located in Northern Ireland

³ Tower 237 is the first tower located within the Meath Study Area (MSA)

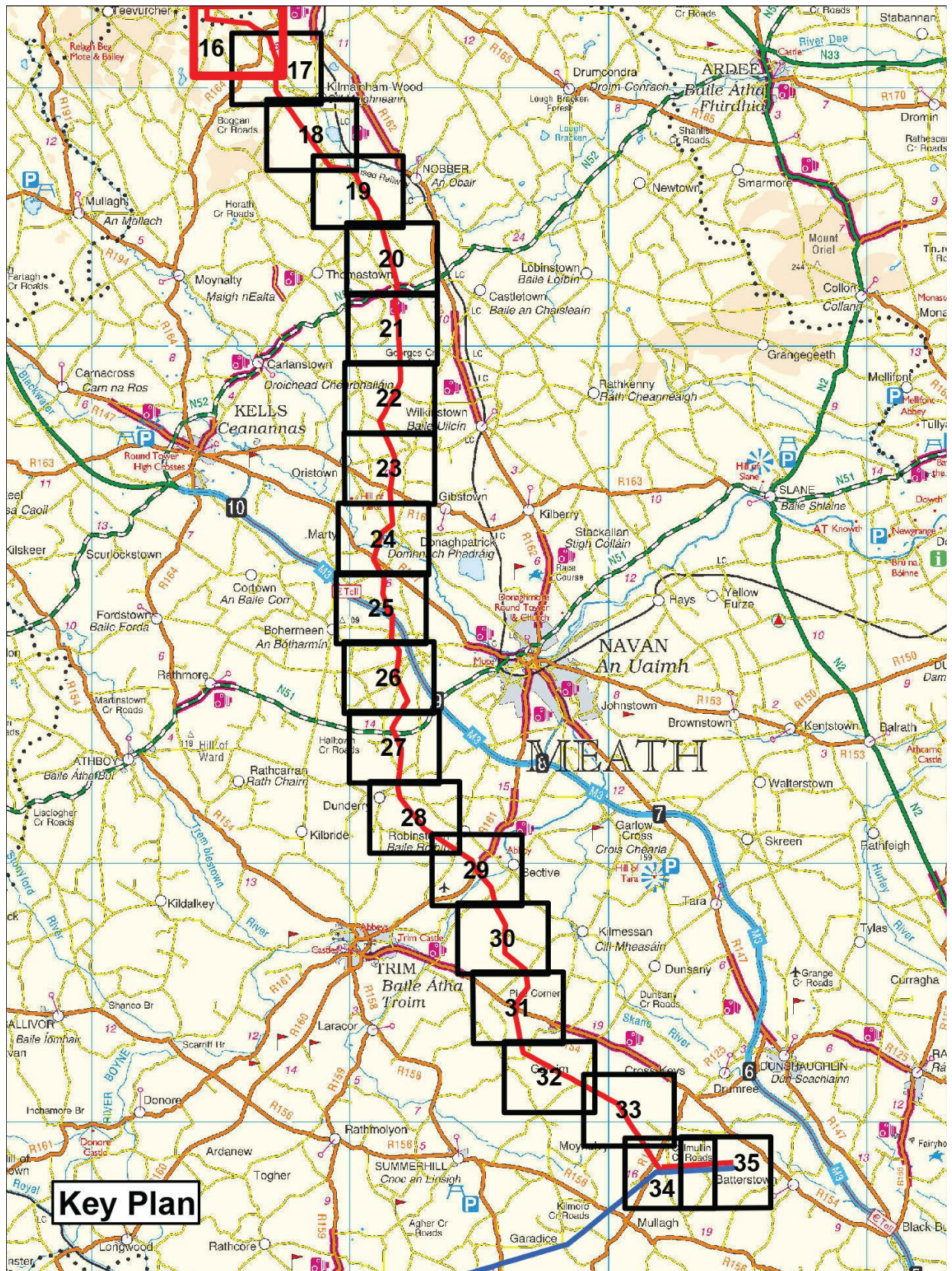


Figure 1.2 – Areas covered by Figures 16 to 35 – Meath Study Area (MSA)

21 Meath Study Area (MSA)

Figure 16: MSA Towers 237⁴ – 250 (Properties R_010 and R_007 – R_001, B_008 – B_001)

Figure 17: MSA Towers 245 - 254 (Properties R_026 – R_011 and R_021B and R_024B and R_009 – R_008, B_014 and B_012 – B_009)

Figure 18: MSA Towers 254 - 265 (Properties R_047 and R_044 – R_027, B_017 – B_015 and B_013)

Figure 19: MSA Towers 261 - 273 (Properties R_078 – R_048 and R_046 – R_045, B_025 – B_024 and B_021 – B_018)

Figure 20: MSA Towers 273 - 281 (Properties R_100 – R_079, B_029 – B_026 and B_023 – B_022)

Figure 21: MSA Towers 281 - 288 (Properties R_104 – R_101)

Figure 22: MSA Towers 288 - 296 (Properties R_106 – R_105 and R_105B, B_032 – B_030)

Figure 23: MSA Towers 297 - 304 (Properties R_140 – R_107 and R_133B and R_124B, B_036 – B_033, C_003 – C_001)

Figure 24: MSA Towers 305 - 313 (Properties R_190 – R_141 and R_150B – R_146B, R_N3, B_040 – B_037 and B_033, C_005 – C_004)

Figure 25: MSA Towers 314 - 323 (Properties R_228 – R_211 and R_209 – R_191, R_N1 and R_N2, B_045 – B_041, C_008 – C_006)

Figure 26: MSA Towers 323 - 331 (Properties R_274 – R_229, B_054 – B_046, C_012 – C_009)

Figure 27: MSA Towers 332 - 340 (Properties R_317 – R_275, B_060 – B_055, C_015 – C_013)

Figure 28: MSA Towers 341 - 350 (Properties R_340 and R_337 – R_318 and R_321B, B_064 – B_061, C_017 – C_016)

Figure 29: MSA Towers 347 - 358 (Properties R_360 – R_341 and R_339 – 338, B_073 – B_065, C_018)

Figure 30: MSA Towers 359 - 369 (Properties R_389 – R_361, B_078 – B_077 and B_075 – B_074)

Figure 31: MSA Towers 370 - 378 (Properties R_401 – R_390, B_085 – B_079 and B_076)

Figure 32: MSA Towers 379 - 389 (Properties R_417 - R_402, B_088 - B_086, C_019)

Figure 33: MSA Towers 388 - 398 (Properties R_424 - 418, B_089)

Figure 34: MSA Towers 398 - 407 (Properties R_467 - 425, B_095 - 090, D_012 - 010) (Tower 402 – 407 on existing line)

Figure 35: MSA Towers 404 – 410 (Properties R_467 – 446, B_095 – B_094) (Tower 404 - 410 on existing line)

⁴ Tower 237 is the first tower located within the Meath Study Area (MSA)

2.3 LANDSCAPE AND VISUAL IMPACT ASSESSMENT CRITERIA

- 22 The “Guidelines for Landscape and Visual Impact Assessment, 3rd Edition, 2013, Landscape Institute (UK) & IEMA” set out best practice guidance for the identification and description of visual effects which then feed into the determination of their significance. For the purposes of this Residential Visual Impact Assessment, only visual impacts are being considered.
- 23 The significance of an effect is determined by two distinct considerations:
1. The nature of the RECEPTOR likely to be affected, namely:
 - The **susceptibility** of the **receptor** to the type of change arising from the proposed development;
 - The **susceptibility** to change is related to the **value** attached to the receptor.
 2. The nature or magnitude of the EFFECT (or IMPACT) likely to occur, namely:
 - The size and scale of the visual effect (for example, whether there is a complete or minor change to a view)
 - The extent of the areas that will be affected; e.g. ground floor, upper floor, garden as well as considerations in relation to angle of view; and
 - The duration of the effect and its reversibility – which can be related to the nature of intervening screening.
- 24 The EIS has identified that properties within approximately 500m of the line route are most likely to experience higher visual impacts, and that visual impact decreases with distance. A study area of 500m to either side of the proposed OHL has therefore been considered appropriate to assess the visual impact on properties located within this area. The 500m study area also aligns with the 500m study area used in the assessment of individual properties as part of the SONI Landscape and Visual Impact Assessment⁵.

⁵ The SONI Landscape and Visual Impact Assessment is included in the Consolidated Environmental Statement of the Tyrone – Cavan Interconnector, Volume 2, Section 13.6.2.2 “Assessment of Individual Properties” and Volume 3, Part 4, Appendix 13A: Individual Properties Assessment Table.

- 25 After considering both the nature of the receptor and the nature of the effect, the significance of the effect is stated according to the following definitions. These effects may be adverse (negative), neutral or positive:

Table 1.1 – Magnitude of Visual Change Criteria (Visual Effects)	
Magnitude	Criteria
High	The development would cause a considerable change in the existing view over a wide area or an intensive change over a limited area
Medium	The development would cause minor changes to the existing view over a wide area or noticeable change over a limited area
Low	The development would cause very minor changes to the view over a wide area or minor changes over a limited area
Negligible	The development would cause a barely discernible change in the existing view

- 26 The following definitions are used to describe the significance of visual effects:

Table 1.2 – Categories of Significance of Visual Effects	
Significance	Description
Negligible effect	<ul style="list-style-type: none"> Where there is no discernible improvement or deterioration in the existing view
Minor adverse effect	<ul style="list-style-type: none"> Where the proposed development would cause a barely perceptible deterioration in the existing view This will typically occur where the viewer is at some distance from the development and the development newly appears in the view, but not as a point of principal focus. It would also occur where the proposed development is closely located to the viewpoint but are seen at an acute angle and at the extremity of the overall view
Moderate adverse effect	<ul style="list-style-type: none"> Where a development would cause a noticeable deterioration in the existing view
Major adverse effect	<ul style="list-style-type: none"> Where the development would cause a very noticeable deterioration in the existing view This will typically occur where the development obstructs an existing view of local landscape and the development would dominate the future view

2.4 REPRESENTATION OF IMPACT RATINGS

27 The assessment of properties has involved the assignment of an impact rating for each dwelling, based on the Landscape and Visual Impact Criteria set out above. Where the impacts from the proposed development are considered Moderate or greater, a colour coding has been applied to each relevant property within the RVIA Figures (Refer to Appendix 2). The impact ratings are as follows:

Table 1.3 – Colour Coding of impact rating	
Impact Rating	Colour Code
Moderate Adverse	Yellow
Moderate-Major Adverse	Orange
Major Adverse	Red

2.5 DESKTOP ASSESSMENT

28 This phase of the study primarily involved the use of Google Earth. The line route, tower locations, access routes, stringing areas, and properties located within 500m of the development, were incorporated into both the Google Earth and Google Street View photography. Zone of Theoretical Visibility (ZTV) mapping (refer to Figure 1.3), Landscape constraints mapping including OSI contours at 1:50,000 (refer to Figure 1.4) and photomontages (refer to Figure 1.5) included as part of the EIS were also used in the identification of visual impacts of the proposed OHL development from individual properties within the study area.

29 Prior to the start of the desktop assessment, a test assessment was carried out by the survey team to familiarise each team member (Landscape Professionals) with the survey methodology. This process ensured that the collection of baseline information for each property and the judgement of impacts were achieved by using the same principles.

30 The following baseline information was included in the impact decision making process:

- Study Area: MSA or CMSA
- House Type: Residential (R), Commercial (C), Both R and C (B), Derelict (D), Under Construction (U), Individual properties identified and assessed in Northern Ireland as part of the EirGrid assessment only (NI), Individual properties identified and assessed in both the SONI and EirGrid assessments (J)

- Property ID assigned within GeoDirectory
- Google Earth Aerial Photography Date
- Google Earth Aerial Photography Season
- Google Earth Street View Photography Date
- Building Type: Single storey (S), Double storey (D), Dormer
- View obtained from: Ground Floor, First Floor, Both, Garden (Front or Back)
- Intervening Property Boundary: Wall, Hedgerow, Trees, Fence
- Construction Activities Visible: Vegetation Clearance, Foundation Laying, Tower Erection, Cable Stringing, Access Routes, Road Crossing
- Nature of View: Direct (D), Filtered (F), Oblique (O), Screened (S)
- Magnitude of Change (at construction phase)
- Impact (at construction phase)

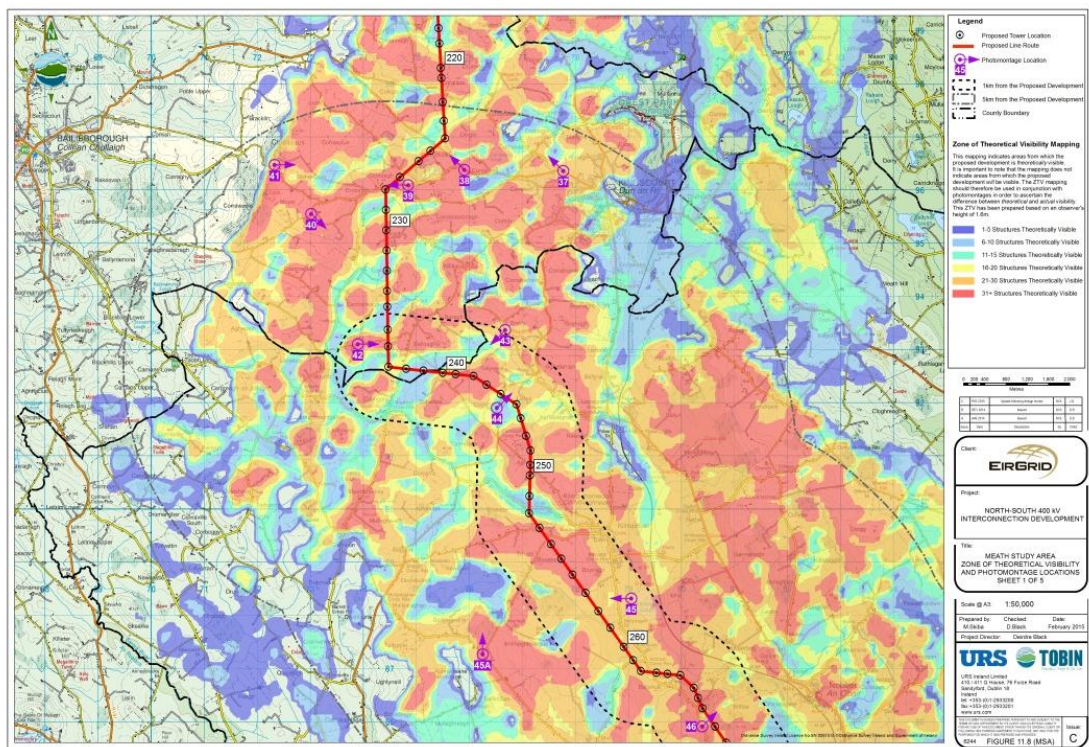


Figure 1.3 – Example of EIS Zone of Theoretical Visibility (ZTV) mapping⁶ used to assist the assessment of individual properties

⁶ A full set of EIS Zone of Theoretical Visibility (ZTV) mapping is included in Volume 3C Figures for CMSA and Volume 3D Figures for MSA

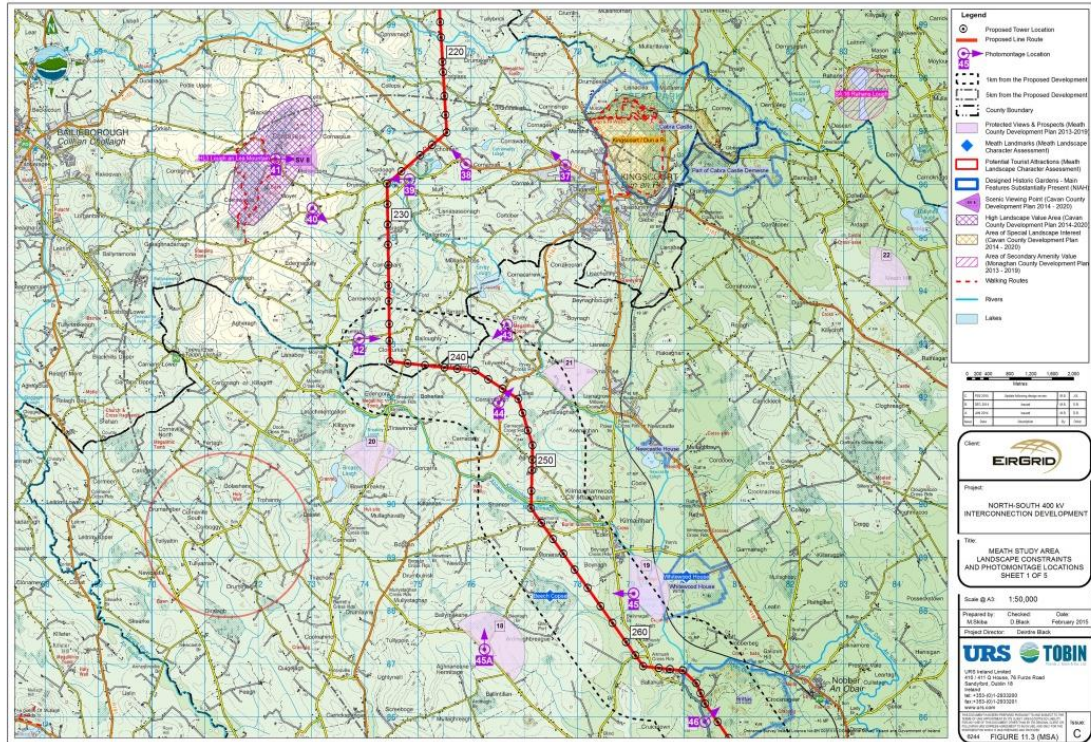


Figure 1.4 – Example of EIS Landscape constraints and OSI 1:50,000 contour mapping⁷ used to assist the assessment of individual properties



Photomontage 44 (panoramic)
View northeast from R164 in the townland of Corrananagh

Date photo taken: 04.04.2012 (verified on site 02/2015) Distance to nearest tower structure: 271m to Tower 244
 Time photo taken: 3:46pm Camera height: 1.8m
 Viewpoint location: E27626 N291901 Camera type: Canon EOS 5D Mark III
 Viewpoint elevation: 122m Lens type / focal length: Canon, 50mm fixed lens
 Arc of view: 120° Recommended viewing distance: A3: 90-60cm, A2: 90-70cm

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Figure 1.5 – Example of an EIS photomontage⁸ used to assist the assessment of individual properties

⁷ A full set of EIS Landscape constraints including OSI 1:50,000 contour mapping is included in Volume 3C Figures for CMSA and Volume 3D Figures for MSA

⁸ A full set of EIS photomontages is included in Volume 3C Figures for CMSA and Volume 3D Figures for MSA

- 31 The assessment of each property commenced with an examination of Google Earth aerial photography, populated with the proposed development line route, tower locations, access tracks, stringing areas and property ID's as well as ZTV and Landscape Constraints mapping (including OSI 1:50,000 contours) covering the vicinity around the property and wider landscape between the property and proposed development. Vegetation, topography and ancillary buildings were focused on, as these elements were found to provide considerable screening in views. Once the line route, towers, access routes and stringing area locations were identified in relation to the property, Google Street View was used to assess the local environment around the property along with the assessment of views looking in the direction of the proposed development from the property. Assumptions made from the examination of Google Earth aerial photography in terms of vegetation, topography and neighbouring buildings were investigated and verified using different vantage points available in Google Street View.
- 32 Google Earth and Google Street View provide images taken in various seasons. It should be noted that the impact rating for this assessment depicts a worst case situation during a period with the least foliage, i.e. assuming views in the winter season.
- 33 Where Google Street View imagery was not available for a particular property, worst case scenario assumptions were made in relation to building type, and heights of intervening topography, vegetation and other existing buildings (i.e. no screening, upper views from properties). These properties were highlighted as *not desktop assessed* and registered for a review and verification assessment on-site.

2.6 ON-SITE REVIEW AND VERIFICATION OF DESKTOP ASSESSMENT

- 34 Following the completion of the desktop assessment, an on-site survey was conducted in order to review and verify the preliminary conclusions made for all properties contained within the study area. The on-site survey included the following aspects:
- Review and verification of screening elements identified during the desktop assessment
 - Record of visible changes, such as new buildings and alterations to vegetation cover
 - Assessment of properties not covered by Google Street View

2.7 FINAL ASSESSMENT

35 The preliminary conclusions of the desktop assessment together with identified changes recorded during the on-site review and verification were brought together and these informed the final ratings of “magnitude of change” and “significance of visual effects”. Individual property assessment tables⁹, similar in layout to those used in the assessment of the SONI proposal, were created for all properties within the study area with impact ratings assigned for both the construction and operational phases. Impacts at the operational phase have been assigned to properties based on a combination of existing intervening vegetation between the property and the proposed development, proximity and orientation of property windows in relation to the proposed development and predicted visibility from the property of towers and related elements of the proposed development.

⁹ Individual property assessment tables are enclosed in Appendix 1

3 ASSESSMENT OF PROPERTIES

3.1 CAVAN-MONAGHAN STUDY AREA (CMSA)

36 **CMSA Towers 102 - 110 (See Figure 1, Properties R_12 – R_10 and R_08 – R_01, NI 10_R – NI 1_R, B_14 –B_01, C_01, NI 1_C, J61, J60, J59, J48) Figure 1 contains all 15 Northern Ireland Properties identified within the assessment:**

37 The proposed OHL travels to the southeast for approximately 2.6km, changing direction at Tower 109 to the south south-west, where it passes close to a cluster of properties located to the east and west of the line. There are a number of properties in Northern Ireland which are located within the 500m study area. Potential impacts on views from these properties of the development located in Ireland (EirGrid Proposal) have been assessed. These properties are identified as NI 1_R, NI 2_R, NI 3_R, NI 4_R, NI 5_R, NI 6_R, NI 7_R, NI 8_R, NI 9_R, NI 10_R, NI 1_C, J61, J60, J59, J48. Construction phase impacts range from Negligible up to Moderate-Major Adverse with operational phase impacts ranging from Negligible to Moderate Adverse. The potential construction phase impacts and operational phase impacts for all residences impacted along this section of the proposed OHL are as detailed below.

38 Construction Phase Impacts

- **Negligible** magnitude of change, **Negligible** impact – R_12, R_11, R_08, R_06, R_01, NI 10_R, NI 9_R, NI 8_R, NI 7_R, NI 6_R, NI 5_R, NI 4_R, NI 3_R, NI 2_R, NI 1_R, B_14, B_12, B_10, B_09, B_05, B_02, B_01, NI 1_C, J60, J59, J48
- **Low** magnitude of change, **Minor-Moderate Adverse** impact –R_04, B_03, C_01
- **Low-Medium** magnitude of change, **Moderate Adverse** impact – R_02, J61, B_06
- **Medium** magnitude of change, **Moderate Adverse** impact – R_10, R_05, R_03, B_08, B_07, B_04
- **Medium-High** magnitude of change, **Moderate-Major Adverse** impact – R_07, B_13, B_11

39 Operational Phase Impacts

- **Negligible** magnitude of change, **Negligible** impact – R_12, R_11, R_08, NI 7_R, NI 6_R, B_12
- **Low-Negligible** magnitude of change, **Minor-Moderate Adverse** impact – C_01, NI 1_C
- **Low** magnitude of change, **Minor-Moderate Adverse** impact – R_04, R_02, NI 8_R, NI 4_R, NI 3_R, B_14, B_10, B_09, B_05, B_03, J60, J59, J48
- **Low-Medium** magnitude of change, **Moderate Adverse** impact – R_06, NI 5_R, NI 2_R, NI 1_R
- **Medium** magnitude of change, **Moderate Adverse** impact – R_03, R_01, NI 10_R, NI 9_R, B_06, B_04, B_02, B_01, J61
- **Medium-High** magnitude of change, **Moderate-Major Adverse** impact – R_10, R_05, B_08, B_07
- **High** magnitude of change, **Major Adverse** impact – R_07, B_13, B_11

40 **CMSA Towers 110 - 122 (See Figure 2, Properties R_24 – R_13, R_09, R_18B, R_N4, B_26 – B_15, U_02):**

41 The line enters this section in a south south-westerly direction and turns to the south-west at Tower 112. The proposed OHL continues to the south-west, passing properties located to the north and south of the line and crosses a local road at Latnakelly. At both Tower 116 and Tower 118, the line alters its direction, continuing to the west. A further change of direction at Tower 121 directs the proposed OHL to the southwest crossing a local road (former N2). The line then continues south-west to Tower 122. Impacts to properties in this area are mostly Moderate Adverse. The potential construction phase impacts and operational phase impacts for all residences impacted along this section of the proposed OHL are as detailed below.

42 Construction Phase Impacts

- **Negligible** magnitude of change, **Negligible** impact – R_20, R_18, R_18B, R_09, B_26, B_24, B_23, B_20, B_17, B_16, B_15
- **Low-Negligible** magnitude of change, **Minor-Moderate Adverse** impact – R_16, B_21
- **Low** magnitude of change, **Minor-Moderate Adverse** impact – R_24, R_23, R_22, R_21, R_19, R_17, R_N4, B_25, B_19
- **Low-Medium** magnitude of change, **Moderate Adverse** impact – R_15
- **Medium** magnitude of change, **Moderate Adverse** impact – R_13, B_22, B_18
- **Medium-High** magnitude of change, **Moderate-Major Adverse** impact – R_14, U_02

43 Operational Phase Impacts

- **Negligible** magnitude of change, **Negligible** impact – B_23
- **Low-Negligible** magnitude of change, **Minor-Moderate Adverse** impact – B_21
- **Low** magnitude of change, **Minor-Moderate Adverse** impact – R_17, R_16, B_19, B_17
- **Low-Medium** magnitude of change, **Moderate Adverse** impact – R_15
- **Medium** magnitude of change, **Moderate Adverse** impact – R_24, R_23, R_22, R_21, R_20, R_19, R_18, R_18B, R_13, R_09, R_N4, B_26, B_25, B_24, B_22, B_20, B_18, B_16, B_15
- **Medium-High** magnitude of change, **Moderate-Major Adverse** impact – R_14, U_02

44 **CMSA Towers 122 - 133 (See Figure 3, Properties R_39 -R_25, B_43 – B_27, C_02, U_04):**

45 The proposed OHL continues in a south-westerly direction from Tower 122 crossing the N2 and changing direction at Tower 126 to the south southwest and again at Tower 130 to the southwest and at Tower 132 to the south. The proposed OHL crosses over local roads and over the 110 kV Lisdrum – Louth OHL, to which a modification is being proposed between Towers 130 and 131. Generally, the line passes one-off properties, which are generally set back from the local road network. Construction phase impacts along this section range from Negligible to Moderate-Major Adverse (two properties), whilst operational phase impacts range from Negligible to Major Adverse (two properties). The potential construction phase impacts and operational phase impacts for all residences impacted along this section of the proposed OHL are as detailed below.

46 Construction Phase Impacts

- **Negligible** magnitude of change, **Negligible** impact – R_38, R_36, R_35, R_34, R_32, R_28, R_27, R_26, B_43, B_41, B_36, B_35, B_34, B_29, B_28, B_27, C_02
- **Low-Negligible** magnitude of change, **Minor-Moderate Adverse** impact – B_32, U_04
- **Low** magnitude of change, **Minor-Moderate Adverse** impact – R_37, R_33, R_31, R_25, B_42, B_39, B_30
- **Low-Medium** magnitude of change, **Moderate Adverse** impact – R_39, B_40, B_38
- **Medium** magnitude of change, **Moderate Adverse** impact – R_30, R_29, B_31
- **Medium-High** magnitude of change, **Moderate-Major Adverse** impact – B_37, B_33

47 Operational Phase Impacts

- **Negligible** magnitude of change, **Negligible** impact – B_42, B_35
- **Low-Negligible** magnitude of change, **Minor-Moderate Adverse** impact – R_35, R_28, B_43, B_36, C_02
- **Low** magnitude of change, **Minor-Moderate Adverse** impact – R_38, R_32, R_27, B_41, B_36, B_28, C_02, U_04
- **Low-Medium** magnitude of change, **Moderate Adverse** impact – R_37, R_36, R_26, B_39, B_34, B_32, B_27
- **Medium** magnitude of change, **Moderate Adverse** impact – R_39, R_34, R_33, R_31, R_30, R_29, R_25, B_40, B_38, B_29
- **Medium-High** magnitude of change, **Moderate-Major Adverse** impact – B_37, B_30
- **High** magnitude of change, **Major Adverse** impact – B_33, B_31

48 **CMSA Towers 134 - 141 (See Figure 4, Properties R_44 – R_40, B_58 – B_48 and B_46 – B_44, C_03, U_05):**

49 The proposed OHL travels generally in a southerly direction along this section of the proposed OHL, with slight re-directions to the south southeast at Tower 136 and again further to the south at Tower 140. The majority of properties in this section are located along the local road network west of Towers 136, 137 and 138. Impacts vary in this area depending on building locations and screening available within individual property sites and the wider landscape. The density of properties reduces significantly further south along this section, with relatively few properties located between Towers 137 and 141. The majority of impacts for the operational phase range from Negligible to Moderate Adverse. The potential construction phase impacts and operational phase impacts for all residences impacted along this section of the proposed OHL are as detailed below.

50 Construction Phase Impacts

- **Negligible** magnitude of change, **Negligible** impact – R_44, R_43, R_41, R_40, B_54, B_53, B_52, B_48, B_45, B_44, U_05
- **Low-Negligible** magnitude of change, **Minor-Moderate Adverse** impact – R_42, B_49, C_03
- **Low** magnitude of change, **Minor-Moderate Adverse** impact – B_58, B_56, B_55, B_46
- **Low-Medium** magnitude of change, **Moderate Adverse** impact – R_49, B_57
- **Medium** magnitude of change, **Moderate Adverse** impact – B_51, B_50

51 Operational Phase Impacts

- **Negligible** magnitude of change, **Negligible** impact – R_41, R_40, B_52, B_45, U_05
- **Low-Negligible** magnitude of change, **Minor-Moderate Adverse** impact – R_44, B_54, B_53
- **Low** magnitude of change, **Minor-Moderate Adverse** impact – B_48
- **Low-Medium** magnitude of change, **Moderate Adverse** impact – B_56, B_49, B_44
- **Medium** magnitude of change, **Moderate Adverse** impact – R_43, R_42, B_58, B_57, B_46, C_03
- **Medium-High** magnitude of change, **Moderate-Major Adverse** impact – B_55, B_51, B_50

52 **CMSA Towers 141 - 150 (See Figure 5, Properties R_53 – R_45, R_P2, R_P1, B_69 - B_59 and B_68B, C_04, U_07):**

53 The line route enters this section travelling to the south and changes direction at Tower 142 to the southeast and crosses the R183. Properties are mostly located along the local road within this area, with the exception of some dwellings set back from the road. Between Towers 144 and 149, the line route passes some standalone properties with private access from the local roads. At Tower 149, the proposed OHL changes its direction to the south southwest, with properties located to the east and west of the line. Impacts within this area of the development are largely Moderate to Moderate-Major Adverse. The potential construction phase impacts and operational phase impacts for all residences impacted along this section of the proposed OHL are as detailed below.

54 Construction Phase Impacts

- **Negligible** magnitude of change, **Negligible** impact – R_53, R_51, R_46, B_67, B_60
- **Low-Negligible** magnitude of change, **Minor-Moderate Adverse** impact – B_63, C_04
- **Low** magnitude of change, **Minor-Moderate Adverse** impact – R_52, R_48, R_47, B_69, B_67, U_07
- **Low-Medium** magnitude of change, **Moderate Adverse** impact – R_49, B_66, B_65, B_62, B_59
- **Medium** magnitude of change, **Moderate Adverse** impact – R_50, R_45, R_P2, R_P1, B_64, B_61, B_68, B_68B

55 Operational Phase Impacts

- **Negligible** magnitude of change, **Negligible** impact – R_51
- **Low-Medium** magnitude of change, **Moderate Adverse** impact – R_53, B_67, B_60, B_59
- **Low** magnitude of change, **Minor-Moderate Adverse** impact – B_69
- **Medium** magnitude of change, **Moderate Adverse** impact – R_52, R_49, R_48, R_47, R_46, B_65, B_64, B_63, B_68, B_68B, C_04
- **Medium-High** magnitude of change, **Moderate-Major Adverse** impact – R_50, R_45, R_P2, B_66, B_62, B_61, U_07
- **High** magnitude of change, **Major Adverse** impact – R_P1

56 **CMSA Towers 151 - 158 (See Figure 6, Properties R_81 – R_54, B_77 - B_70, C_07 – C_05):**

57 The proposed OHL continues in a south south-westerly direction until Tower 154, where it turns to the southeast. At Tower 157, the line veers slightly more to the south southeast. From Tower 151 and heading south south-west, the line passes properties located to the east. The majority of properties in this section are located to the west southwest between Towers 154 and 157. Impacts to individual properties along this stretch of the road vary based on vegetation and adjacent buildings between each property and the proposed development. Impacts along this section of the line range from mainly Negligible to Moderate Adverse (four properties) for the construction phase and from Negligible to Major Adverse (one property) for the operational phase. The potential construction phase impacts and operational phase impacts for all residences impacted along this section of the proposed OHL are as detailed below.

58 Construction Phase Impacts

- **Negligible** magnitude of change, **Negligible** impact – R_81, R_80, R_79, R_76, R_75, R_74, R_73, R_72, R_71, R_69, R_68, R_63, R_62, R_59, R_58, R_57, R_56, R_54, B_77, B_72, B_71, B_70, C_07, C_06, C_05
- **Low-Negligible** magnitude of change, **Minor-Moderate Adverse** impact – R_55
- **Low** magnitude of change, **Minor-Moderate Adverse** impact – R_67, B_76
- **Low-Medium** magnitude of change, **Moderate Adverse** impact – R_78, R_77, R_66, R_65, R_64, B_74, B_73
- **Medium** magnitude of change, **Moderate Adverse** impact – R_70, R_61, R_60, B_75

59 Operational Phase Impacts

- **Negligible** magnitude of change, **Negligible** impact – R_74, R_73, R_72, R_71, R_62, R_59, B_70
- **Low-Negligible** magnitude of change, **Minor-Moderate Adverse** impact – R_63, C_05, C_06
- **Low** magnitude of change, **Minor-Moderate Adverse** impact – R_81, R_80, R_79, R_68, R_58, R_54, B_71
- **Low-Medium** magnitude of change, **Moderate Adverse** impact – R_75, R_67, R_65, R_56, R_55, B_74, B_73, C_07
- **Medium** magnitude of change, **Moderate Adverse** impact – R_78, R_76, R_70, R_69, R_66, R_64, R_61, R_60, B_77, B_76, B_75, B_72
- **Medium-High** magnitude of change, **Moderate-Major Adverse** impact – R_77
- **High** magnitude of change, **Major Adverse** impact – R_57

60 **CMSA Towers 159 - 169 (See Figure 7, Properties R_97 – R_82, B_86 - B_78, C_09 – C_08, U_08):**

61 The line heads south-east from Tower 159 where it changes direction to the southwest at Tower 161. The line then crosses the R180 and changes direction to a south south-westerly direction at Tower 166. Prior to crossing the R181, the proposed OHL turns south southeast at Tower 169. The OHL passes close to the local and regional road network. Properties are

located along either side of the line as it continues to the south-west from Tower 163. The density of properties increases along the R181. Impacts in this section of the study area are mainly Negligible to Moderate at operational phase. The potential construction phase impacts and operational phase impacts for all residences impacted along this section of the proposed OHL are as detailed below.

62 Construction Phase Impacts

- **Negligible** magnitude of change, **Negligible** impact – R_97, R_96, R_90, R_89, R_87, R_86, R_85, R_84, R_83, R_82, B_85, B_84, B_83, B_80, B_79, B_78, C_09, C_08, U_08
- **Low-Negligible** magnitude of change, **Minor-Moderate Adverse** impact –
- **Low** magnitude of change, **Minor-Moderate Adverse** impact – R_88, B_86
- **Low-Medium** magnitude of change, **Moderate Adverse** impact -
- **Medium** magnitude of change, **Moderate Adverse** impact – R_94, R_93, R_92, B_81
- **Medium-High** magnitude of change, **Moderate-Major Adverse** impact – R_91
- **High** magnitude of change, **Major Adverse** impact – R_95, B_88, B_82

63 Operational Phase Impacts

- **Negligible** magnitude of change, **Negligible** impact – R_97, R_89, R_85, R_84, R_83, R_82, B_79, B_78, C_08
- **Low** magnitude of change, **Minor-Moderate Adverse** impact – R_96, R_92, R_88, B_84, B_80
- **Low-Medium** magnitude of change, **Moderate Adverse** impact – R_87, R_86, B_83
- **Medium** magnitude of change, **Moderate Adverse** impact – R_90, B_86, B_85, C_09, U_08
- **Medium-High** magnitude of change, **Moderate-Major Adverse** impact – R_94, R_93, B_81
- **High** magnitude of change, **Major Adverse** impact – R_95, R_91, B_88, B_82

64 **CMSA Towers 169 - 177 (See Figure 8, Properties R_113 – R98, R_N2, R_N3, B_95 – B_87):**

65 Heading south-southeast from Tower 169, the line crosses the R181 with properties located either side of the proposed OHL. The line then continues south southeast until it changes direction at Tower 176 to the south southwest, with relatively few houses located between Towers 171 and 175. The density of houses increases again in the vicinity of Towers 175 and 176, where the line passes to the front of three properties located west southwest of the line. The line then continues south southwest with houses situated to either side. Impacts vary within this section of the line depending on building type, orientation and existing screening elements. Construction phase impacts are generally Negligible at this location with operational phase impacts also generally Negligible. The potential construction phase impacts and operational phase impacts for all residences impacted along this section of the proposed OHL are as detailed below.

66 Construction Phase Impacts

- **Negligible** magnitude of change, **Negligible** impact – R_113, R_112, R_111, R_110, R_108, R_107, R_106, R_105, R_104, R_103, R_102, R_101, R_100, R_99, R_98, R_N3, B_95, B_94, B_93, B_91, B_90, B_89, B_87
-
- **Low-Medium** magnitude of change, **Moderate Adverse** impact – R_N2
- **Medium** magnitude of change, **Moderate Adverse** impact – R_109, B_92
- **High** magnitude of change, **Major Adverse** impact – B_88

67 Operational Phase Impacts

- **Negligible** magnitude of change, **Negligible** impact – R_113, R_112, R_110, R_108, R_107, R_106, R_104, R_101, R_98, B_90, B_87
- **Low** magnitude of change, **Minor-Moderate Adverse** impact – R_111, R_105, R_103, R_N3, R_N2, B_95, B_94, B_93, B_91
- **Low-Medium** magnitude of change, **Moderate Adverse** impact – R_102, B_89
- **Medium** magnitude of change, **Moderate Adverse** impact – R_109, R_100, R_99, B_92
- **High** magnitude of change, **Major Adverse** impact – B_88

68 **CMSA Towers 178 - 190 (See Figure 9, Properties R_140 – R_114, R_N1, R_P3, B_112 – B_96, U_11):**

69 The line enters this section heading south-southwest and crosses over a section of the Louth - Rathrussan 110 kV OHL, to which a modification is being proposed, between Towers 180 and 181. The line changes direction at Tower 181 further to the southwest, turning west at Tower 184 and south southwest at Towers 186 and 188. Properties are located mainly along the local road network in this section with some properties set back from the local roads. Again properties within this section of the study area will experience varying impacts from the proposed development depending on location, building type and screening elements. Construction phase impacts are generally Negligible with operational phase impacts ranging from Negligible to Major Adverse (two properties). The potential construction phase impacts and operational phase impacts for all residences impacted along this section of the proposed OHL are as detailed below.

70 Construction Phase Impacts

- **Negligible** magnitude of change, **Negligible** impact – R_137, R_136, R_135, R_133, R_132, R_131, R_128, R_127, R_126, R_125, R_124, R_123, R_122, R_120, R_119, R_118, R_117, R_115, R_114, B_112, B_110, B_109, B_105, B_102, B_101, B_100, B_98, B_96
- **Low** magnitude of change, **Minor-Moderate Adverse** impact – R_138, R_116, B_108, B_106
- **Low-Medium** magnitude of change, **Moderate Adverse** impact – R_121, B_107, B_103
- **Medium** magnitude of change, **Moderate Adverse** impact – R_140, R_139, R_134, R_129, R_N1, B_111, B_99, B_97
- **Medium-High** magnitude of change, **Moderate-Major Adverse** impact – R_130, R_P3, B_104, U_11

71 Operational Phase Impacts

- **Negligible** magnitude of change, **Negligible** impact – R_128, R_126, R_125, R_122, R_119, R_114, B_102, B_98
- **Low-Negligible** magnitude of change, **Minor-Moderate Adverse** impact – R_133, R_132
- **Low** magnitude of change, **Minor-Moderate Adverse** impact – R_127, R_124, R_120, R_118, R_115, B_112, B_110, B_105, B_101, B_100
- **Low-Medium** magnitude of change, **Moderate Adverse** impact – R_135, R_131, R_102, B_108, B_106
- **Medium** magnitude of change, **Moderate Adverse** impact – R_138, R_137, R_136, R_129, R_123, R_121, R_117, R_116, B_109, B_107, B_96
- **Medium-High** magnitude of change, **Moderate-Major Adverse** impact – R_140, R_139, R_134, R_130, R_N1, B_111, B_103, B_99, B_97, U_11
- **High** magnitude of change, **Major Adverse** impact – R_P3, B_104

72 **CMSA Towers 189 - 197 (See Figure 10, Properties R_152 and R_150 – 141, B_122 – B_113, C_13 – C_10, U_12):**

73 The proposed OHL continues to the south southeast to Tower 197, where it then turns further to the southeast crossing the R178 between Towers 193 and 194. The majority of properties in this section are located west of the line along the local road network. Relatively few properties are located to the eastern side with the density of properties increasing as the line moves south. Operational phase impacts vary from Negligible through to Major Adverse (one property) depending on the level of screening present in the form of vegetation and other buildings. The potential construction phase impacts and operational phase impacts for all residences impacted along this section of the proposed OHL are as detailed below.

74 Construction Phase Impacts

- **Negligible** magnitude of change, **Negligible** impact – R_152, R_150, R_149, R_147, R_146, R_145, R_143, R_142, B_122, B_121, B_120, B_116, B_114, C_13, C_12, C_11, C_10, U_12
- **Low-Negligible** magnitude of change, **Minor-Moderate Adverse** impact – B_118
- **Low** magnitude of change, **Minor-Moderate Adverse** impact – R_144, R_141, B_119
- **Low-Medium** magnitude of change, **Moderate Adverse** impact – B_115
- **Medium** magnitude of change, **Moderate Adverse** impact – R_148, B_113
- **High** magnitude of change, **Major Adverse** impact – B_117

75 Operational Phase Impacts

- **Negligible** magnitude of change, **Negligible** impact – R_152, R_150, R_143, R_142, B_121, B_120, C_13, C_12, C_11, U_12
- **Low-Negligible** magnitude of change, **Minor-Moderate Adverse** impact – R_141
- **Low** magnitude of change, **Minor-Moderate Adverse** impact – R_149
- **Low-Medium** magnitude of change, **Moderate Adverse** impact – B_122, B_114, C_10
- **Medium** magnitude of change, **Moderate Adverse** impact – R_147, R_146, R_144, B_118, B_116, B_115
- **Medium-High** magnitude of change, **Moderate-Major Adverse** impact – R_148, R_145, B_119, B_113
- **High** magnitude of change, **Major Adverse** impact – B_117

- 76 **CMSA Towers 197 - 206 (See Figure 11, Properties R_177 – R_153 and R_151, B_128 – B_123, U_13):**
- 77 Maintaining a south-easterly course, the line continues until it changes course to the south at Tower 203. The majority of properties in this location are located along the local road network on the north-eastern and eastern side of the line. Some properties within this section are set back from local roads with private access only. Impacts of the proposed development on individual properties vary within this section of the study area, at both construction phase (mainly Negligible) and operational phase (ranging from Negligible to Major Adverse (one property)) due to location, orientation, building type and screening elements between the property and proposed development. The potential construction phase impacts and operational phase impacts for all residences impacted along this section of the proposed OHL are as detailed below.
- 78 Construction Phase Impacts
- **Negligible** magnitude of change, **Negligible** impact – R_177, R_176, R_175, R_174, R_173, R_171, R_170, R_169, R_168, R_167, R_166, R_165, R_163, R_158, R_156, R_153, R_151, B_128, B_127, B_125, B_124, B_123, U_013
 - **Low-Negligible** magnitude of change, **Minor-Moderate Adverse** impact – R_155
 - **Low** magnitude of change, **Minor-Moderate Adverse** impact – R_162, R_160, R_159, R_157, R_154
 - **Low-Medium** magnitude of change, **Moderate Adverse** impact
 - **Medium** magnitude of change, **Moderate Adverse** impact – R_164
 - **Medium-High** magnitude of change, **Moderate-Major Adverse** impact – R_161
 - **High** magnitude of change, **Major Adverse** impact – R_172, B_126
- 79 Operational Phase Impacts
- **Negligible** magnitude of change, **Negligible** impact – R_171, R_170, R_169, R_165, R_164, R_151, B_125, B_123, U_013
 - **Low-Negligible** magnitude of change, **Minor-Moderate Adverse** impact – R_173, R_163
 - **Low** magnitude of change, **Minor-Moderate Adverse** impact – R_174, R_167, R_166, R_156, B_124
 - **Low-Medium** magnitude of change, **Moderate Adverse** impact – R_177, R_176, R_168, B_128, B_127
 - **Medium** magnitude of change, **Moderate Adverse** impact – R_175, R_162, R_160, R_159, R_158, R_157, R_155, R_154, R_153
 - **Medium-High** magnitude of change, **Moderate-Major Adverse** impact – R_161, B_126
 - **High** magnitude of change, **Major Adverse** impact – R_172
- 80 **CMSA Towers 206 - 216 (See Figure 12, Properties R_195 - R_178, B_139 – B_129, C_14, U_16 – U_15):**
- 81 The proposed OHL continues in a southerly direction and then changes course to the southwest at Tower 207. It crosses the R162 shortly before Tower 212 where it changes its direction further to the south southeast. Properties in this area are located along the local and regional road network with some properties accessed by private lanes. Impacts experienced by properties within this section of the study area are mostly Minor-Moderate to Moderate

Adverse in both construction and operational phases. The potential construction phase impacts and operational phase impacts for all residences impacted along this section of the proposed OHL are as detailed below.

82 Construction Phase Impacts

- **Negligible** magnitude of change, **Negligible** impact – R_195, R_194, R_193, R_192, R_190, R_188, R_185, R_183, R_182, R_180, R_179, B_139, B_138, B_135, B_133, B_130, B_129, C_014, U_016
- **Low** magnitude of change, **Minor-Moderate Adverse** impact – R_191, R_186, R_184, R_181, R_178, B_137, B_136, B_134, B_132, U_015
- **Medium** magnitude of change, **Moderate Adverse** impact – R_189, B_131
- **Medium-High** magnitude of change, **Moderate-Major Adverse** impact – R_187

83 Operational Phase Impacts

- **Negligible** magnitude of change, **Negligible** impact – R_194, R_193, R_192, R_190, R_179, C_014, U_016
- **Low** magnitude of change, **Minor-Moderate Adverse** impact – R_195, R_191, R_188, R_183, R_180, B_139, B_135, B_130
- **Low-Medium** magnitude of change, **Moderate Adverse** impact – R_186, R_185, R_182
- **Medium** magnitude of change, **Moderate Adverse** impact – R_184, R_181, R_178, B_138, B_137, B_136, B_134, B_133, B_131, B_129, U_015
- **Medium-High** magnitude of change, **Moderate-Major Adverse** impact – R_189, R_187, B_132

84 **CMSA Towers 216 - 224 (See Figure 13, Properties R_210 – R_196, B_147 – B_140, U_17):**

85 The line changes direction to the south at Tower 217 crossing the River Lagan between Towers 219 and 220, until it reaches Tower 224, where it turns southwest. Impacts experienced by properties within this section of the study area range from Negligible to Major Adverse (one property) in both construction and operational phases. The potential construction phase impacts and operational phase impacts for all residences impacted along this section of the proposed OHL are as detailed below.

86 Construction Phase Impacts

- **Negligible** magnitude of change, **Negligible** impact – R_210, R_209, R_206, R_205, R_204, R_202, R_200, R_198, R_196, B_146, B_144, B_140, U_017
- **Low-Negligible** magnitude of change, **Minor-Moderate Adverse** impact – R_203
- **Low** magnitude of change, **Minor-Moderate Adverse** impact – R_208, R_201, R_199, R_197, B_147, B_145, B_143, B_141
- **Medium** magnitude of change, **Moderate Adverse** impact – R_207
- **High** magnitude of change, **Major Adverse** impact – B_142

87 Operational Phase Impacts

- **Negligible** magnitude of change, **Negligible** impact – R_206, R_202, R_196, B_145, B_140, U_017
- **Low** magnitude of change, **Minor-Moderate Adverse** impact – B_146
- **Low-Medium** magnitude of change, **Moderate Adverse** impact – R_210, R_209, R_205, R_204, R_200, R_198, B_147, B_144
- **Medium** magnitude of change, **Moderate Adverse** impact – R_208, R_207, R_203, R_201, R_199, R_197, B_143, B_141
- **High** magnitude of change, **Major Adverse** impact – B_142

88 **CMSA Towers 224 - 232 (See Figure 14, Properties R_233 – R_211, B_165 – B_148, C_16 – C_15, U_18):**

89 Turning southwest at Tower 224, the proposed OHL crosses the R165 and continues straight until Tower 228, where it turns south. Properties are located either side of the line generally along the local road network. Additional properties are dispersed along the local road network in the vicinity of Laragh. Visual impacts from the development at the operational phase range mainly from Minor-Moderate to Moderate Adverse. The potential construction phase impacts and operational phase impacts for all residences impacted along this section of the proposed OHL are as detailed below.

90 Construction Phase Impacts

- **Negligible** magnitude of change, **Negligible** impact – R_229, R_227, R_225, R_223, R_222, R_218, R_217, R_214, R_213, R_212, R_211, B_162, B_161, B_160, B_153, B_151, B_149, U_018
- **Low** magnitude of change, **Minor-Moderate Adverse** impact – R_230, R_228, R_226, R_224, R_221, R_220, R_219, R_216, R_215, B_164, B_163, B_157, B_156, B_150, C_016
- **Low-Medium** magnitude of change, **Moderate Adverse** impact – B_155, B_154, C_015
- **Medium** magnitude of change, **Moderate Adverse** impact – R_233, R_232, R_231, B_165, B_159, B_158, B_152, B_148

91 Operational Phase Impacts

- **Negligible** magnitude of change, **Negligible** impact – R_229, R_214, R_212, R_211
- **Low** magnitude of change, **Minor-Moderate Adverse** impact – R_227, R_222, R_219, R_218, R_217, R_215, R_213, B_162, B_161, B_155, B_154, B_153, B_149
- **Low-Medium** magnitude of change, **Moderate Adverse** impact – R_225, R_223, C_015, U_018
- **Medium** magnitude of change, **Moderate Adverse** impact – R_233, R_232, R_231, R_230, R_228, R_224, R_221, R_220, R_216, B_165, B_164, B_163, B_160, B_158, B_157, B_156, B_152, B_151, B_150, C_016
- **Medium-High** magnitude of change, **Moderate-Major Adverse** impact – R_226, B_148
- **High** magnitude of change, **Major Adverse** impact – B_159

92 **CMSA Towers 232 - 237 (See Figure 15, Properties R_246 – R_234, B_173 – B_166, U_20):**

93 The proposed OHL continues south to Tower 237, which is the first tower in the MSA section. The majority of properties are concentrated east of the line along local roads in the vicinity of Balloughly. The remainder of this section of the line contains relatively few properties, located west and south of the line and mainly set back from local roads. Impacts in this area are mostly Minor-Moderate to Moderate Adverse for both construction and operational phases. The potential construction phase impacts and operational phase impacts for all residences impacted along this section of the proposed OHL are as detailed below.

94 Construction Phase Impacts

- **Negligible** magnitude of change, **Negligible** impact – R_245, R_244, R_240, R_238, R_237, R_235, R_234, B_173, B_172, B_170, B_166, U_20
- **Low** magnitude of change, **Minor-Moderate Adverse** impact – R_246, R_242, R_241, R_239, B_171, B_169, B_168, B_167
- **Low-Medium** magnitude of change, **Moderate Adverse** impact – R_236
- **Medium** magnitude of change, **Moderate Adverse** impact – R_243

95 Operational Phase Impacts

- **Negligible** magnitude of change, **Negligible** impact – R_245, R_244, R_240, R_238, R_236, R_235, B_173, B_172
- **Low-Negligible** magnitude of change, **Minor-Moderate Adverse** impact – R_234
- **Low** magnitude of change, **Minor-Moderate Adverse** impact – R_239, B_171, U_20
- **Medium** magnitude of change, **Moderate Adverse** impact – R_246, R_243, R_242, R_241, R_237, B_170, B_169, B_168, B_167, B_166

3.2 MEATH STUDY AREA (MSA)

96 **MSA Towers 237 - 250 (See Figure 16, Properties R_010 and R_007 – R_001, B_008 – B_001):**

97 The proposed OHL continues east from Tower 237 continuing to Tower 242 where it changes to the east south-east, crossing the R164 between Towers 244 and 245. The proposed OHL gradually changes its direction to the south at Towers 245 and 248. Properties within the study area are mainly located along the local road and regional road network. Several properties are set back from the roads and are accessed by private access lanes. Impacts for both construction phase and operational phase do not exceed Moderate Adverse. The potential construction phase impacts and operational phase impacts for all residences impacted along this section of the proposed OHL are as detailed below.

98 Construction Phase Impacts

- **Negligible** magnitude of change, **Negligible** impact – R_010, R_006, R_005, B_007, B_006, B_005, B_003, B_001
- **Low** magnitude of change, **Minor-Moderate Adverse** impact – R_002, R_001, B_008, B_004, B_002
- **Low-Medium** magnitude of change, **Moderate Adverse** impact – R_004, R_003
- **Medium** magnitude of change, **Moderate Adverse** impact – R_007

99 Operational Phase Impacts

- **Negligible** magnitude of change, **Negligible** impact – R_006, B_006, B_003, B_001
- **Low-Negligible** magnitude of change, **Minor-Moderate Adverse** impact –
- **Low** magnitude of change, **Minor-Moderate Adverse** impact – R_005, B_007, B_002
- **Low-Medium** magnitude of change, **Moderate Adverse** impact – R_010, B_008
- **Medium** magnitude of change, **Moderate Adverse** impact – R_007, R_004, R_003, R_002, R_001, B_005, B_004

100 **MSA Towers 245 - 254 (See Figure 17, Properties R_026 – R_011 and R_021B and R_024B and R_009 – R_008, B_014 and B_012 – B_009):**

101 The line crosses the R164 and continues to Tower 245 changing its direction to the south southeast. The proposed OHL then continues in a generally southern direction with changes of directions at Towers 248 and 252. The line crosses over the Kilmainham River between Towers 251 and 252 and leaves this section in a south-easterly direction. Properties are located mainly along the local road network at the centre and south of this section of the OHL. Impacts on individual properties vary from Negligible to Major Adverse (one property) for the construction phase and Negligible to Moderate-Major Adverse for the operational phase of the proposed development. The potential construction phase impacts and operational phase impacts for all residences impacted along this section of the proposed OHL are as detailed below.

102 Construction Phase Impacts

- **Negligible** magnitude of change, **Negligible** impact – R_026, R_024, R_024B, R_023, R_022, R_021, R_021B, R_019, R_015, R_011
- **Low** magnitude of change, **Minor-Moderate Adverse** impact – R_025, R_018, R_016, R_012, R_009, R_008, B_014, B_012, B_009
- **Medium** magnitude of change, **Moderate Adverse** impact – R_017, R_014, B_011, B_010
- **Medium-High** magnitude of change, **Moderate-Major Adverse** impact – R_013,
- **High** magnitude of change, **Major Adverse** impact – R_020

103 Operational Phase Impacts

- **Negligible** magnitude of change, **Negligible** impact – R_015, R_011
- **Low** magnitude of change, **Minor-Moderate Adverse** impact – R_023, R_022, R_021, R_021B, R_019, R_016, B_014, B_012, B_011, B_010
- **Low-Medium** magnitude of change, **Moderate Adverse** impact – R_018, R_012
- **Medium** magnitude of change, **Moderate Adverse** impact – R_026, R_025, R_024, R_024B, R_009, B_009
- **Medium-High** magnitude of change, **Moderate-Major Adverse** impact – R_020, R_017, R_014, R_013, R_008

104 **MSA Towers 252 - 260 (See Figure 18, Properties R_047 and R_044 – R_027, B_017 – B_015 and B_013):**

105 The proposed OHL changes direction at Tower 252 to the south-east and continues straight without further change in direction in this section. Properties are dispersed along the local road network to the southwest and northeast of the line between Towers 252 and 254. There are no properties located within the study area between Towers 255 and 258 except one (R_035), which is located to the east of Tower 257. Further clusters of properties are located east of Towers 258, 259 and 260 along the local road network. Impacts again vary within this area for both construction (Negligible to Moderate Adverse) and operational (Negligible to Moderate-Major Adverse) phases. The potential construction phase impacts and operational phase impacts for all residences impacted along this section of the proposed OHL are as detailed below.

106 Construction Phase Impacts

- **Negligible** magnitude of change, **Negligible** impact – R_047, R_044, R_043, R_041, R_038, R_036, R_033, R_031, R_030, B_017, B_015
- **Low-Negligible** magnitude of change, **Minor-Moderate Adverse** impact – R_032, R_029
- **Low** magnitude of change, **Minor-Moderate Adverse** impact – R_039, R_035, R_034, R_028, B_016, B_013
- **Low-Medium** magnitude of change, **Moderate Adverse** impact – R_027
- **Medium** magnitude of change, **Moderate Adverse** impact – R_042, R_040, R_037

107 Operational Phase Impacts

- **Negligible** magnitude of change, **Negligible** impact – R_047, R_041, R_034, R_033, R_031, R_030, R_029, B_015
- **Low** magnitude of change, **Minor-Moderate Adverse** impact – R_043, R_036, R_035, R_028, B_013
- **Low-Medium** magnitude of change, **Moderate Adverse** impact – R_044, R_032, R_027, B_017, B_016
- **Medium** magnitude of change, **Moderate Adverse** impact – R_042, R_040
- **Medium-High** magnitude of change, **Moderate-Major Adverse** impact – R_039, R_038, R_037

108 **MSA Towers 261 - 273 (See Figure 19, Properties R_078 – R_048 and R_046 – R_045, B_025 – B_024 and B_021 – B_018):**

109 The proposed OHL enters this section heading in a south-easterly direction, changing towards the east at Tower 262. It gradually alters its course to the south-east again at Towers 265, 266, 268 and 271. The line follows the direction of a local road, which is located along the boundary of Brittas Estate, which is to the west of Nobber. The majority of properties are located along this local road, which passes under the proposed OHL north of Tower 273. Impacts at construction phase do not exceed Moderate Adverse (three properties), with impacts at operational phase ranging from Negligible to Major Adverse (one property). The potential construction phase impacts and operational phase impacts for all residences impacted along this section of the proposed OHL are as detailed below.

110 Construction Phase Impacts

- **Negligible** magnitude of change, **Negligible** impact – R_078, R_077, R_076, R_075, R_074, R_073, R_066, R_062, R_060, R_058, R_057, R_053, R_051, R_050, R_046, B_025, B_024, B_021, B_019
- **Low-Negligible** magnitude of change, **Minor-Moderate Adverse** impact – R_067, R_056
- **Low** magnitude of change, **Minor-Moderate Adverse** impact – R_072, R_063, R_055, B_020, B_018
- **Low-Medium** magnitude of change, **Moderate Adverse** impact – R_071, R_070, R_069, R_068, R_065, R_061, R_052, R_049, R_048, R_045
- **Medium** magnitude of change, **Moderate Adverse** impact – R_064, R_059, R_054

111 Operational Phase Impacts

- **Negligible** magnitude of change, **Negligible** impact – R_069, R_067, R_066, R_065, R_063, R_050, R_045, B_025, B_021
- **Low-Negligible** magnitude of change, **Minor-Moderate Adverse** impact – R_074, R_073, R_062, R_060, R_056, R_046, B_019
- **Low** magnitude of change, **Minor-Moderate Adverse** impact – R_072, R_057, R_053, R_051, B_020, B_018
- **Low-Medium** magnitude of change, **Moderate Adverse** impact – R_077, R_068, R_064, R_058, R_048, B_024
- **Medium** magnitude of change, **Moderate Adverse** impact – R_078, R_076, R_075, R_071, R_070, R_061, R_055, R_054, R_052, R_049
- **High** magnitude of change, **Major Adverse** – R_059

112 **MSA Towers 273 - 281 (See Figure 20, Properties R_100 – R_079, B_029 – B_026 and B_023 – B_022):**

113 The proposed OHL continues straight in a south south-easterly direction until Tower 280, where it changes direction to the south southwest. The line crosses the N52 between Towers 280 and 281. The density of properties is generally sparse, with properties generally located along the local road network in the vicinity of Towers 273 and 274 and along the N52 in the vicinity of Tower 280 to either side of the line. Impacts in this area vary from Negligible to Major Adverse (one property) for the operational phase. The potential construction phase impacts and operational phase impacts for all residences impacted along this section of the proposed OHL are as detailed below.

114 Construction Phase Impacts

- **Negligible** magnitude of change, **Negligible** impact – R_097, R_096, R_094, R_093, R_084, R_082, R_081, R_095
- **Low-Negligible** magnitude of change, **Minor-Moderate Adverse** impact – R_085, B_027
- **Low** magnitude of change, **Minor-Moderate Adverse** impact – R_098, R_092, R_086,, R_084, R_083, R_080, R_079, B_026, B_023
- **Medium** magnitude of change, **Moderate Adverse** impact – R_099, B_029
- **Medium-High** magnitude of change, **Moderate-Major Adverse** impact – R_100, R_091, R_090, R_089, R_088, R_087, B_028, B_022

115 Operational Phase Impacts

- **Negligible** magnitude of change, **Negligible** impact – R_093
- **Low** magnitude of change, **Minor-Moderate Adverse** impact – R_098, R_097, R_096, R_095, R_094, R_091, R_090, R_089, R_082
- **Low-Medium** magnitude of change, **Moderate Adverse** impact – R_099, R_084
- **Medium** magnitude of change, **Moderate Adverse** impact – R_092, R_087, R_086, R_085, R_083, R_081, R_080, B_029, B_028, B_027, B_026
- **Medium-High** magnitude of change, **Moderate-Major Adverse** impact – R_088, R_079, B_023, B_022
- **High** magnitude of change, **Major Adverse** impact – R_100

116 **MSA Towers 281 - 288 (See Figure 21, Properties R_104 – R_101):**

117 The proposed OHL continues through this section in a mainly southern direction with slight adjustments at Towers 282 and 284. There are a limited number of properties located within this section of the study area. Construction phase impacts for the relevant properties vary from Negligible to Minor-Moderate Adverse, while operational impacts range from Minor-Moderate to Moderate Adverse. The potential construction phase impacts and operational phase impacts for all residences impacted along this section of the proposed OHL are as detailed below.

118 Construction Phase Impacts

- **Negligible** magnitude of change, **Negligible** impact – R_104, R_103, R_102
- **Low** magnitude of change, **Minor-Moderate Adverse** impact – R_101

119 Operational Phase Impacts

- **Low** magnitude of change, **Minor-Moderate Adverse** impact – R_102, R_101
- **Medium** magnitude of change, **Moderate Adverse** impact – R_104, R_103

120 **MSA Towers 288 - 296 (See Figure 22, Properties R_106 – R_105 and R_105B, B_032 – B_030):**

121 The proposed OHL enters this section heading south until Tower 290, where it changes direction to the southwest. The line then changes direction again at Tower 295 to the south southeast. Tower 289 is located within and Towers 288 and 290 at the boundary of Mountainstown House Demesne. The density of properties is very sparse within this section of the study area and mainly located along a local road east/southeast of Towers 295 and 296. Impacts on properties within this area of the study area do not exceed Moderate Adverse for both the construction and operation phases. The potential construction phase impacts and operational phase impacts for all residences impacted along this section of the proposed OHL are as detailed below.

122 Construction Phase Impacts

- **Negligible** magnitude of change, **Negligible** impact – R_106, B_031
- **Low** magnitude of change, **Minor-Moderate Adverse** impact – B_032
- **Medium** magnitude of change, **Moderate Adverse** impact – R_105, R_105B, B_030

123 Operational Phase Impacts

- **Low** magnitude of change, **Minor-Moderate Adverse** impact – B_031
- **Medium** magnitude of change, **Moderate Adverse** impact – R_106, R_105, R_105B, B_032, B_030

124 **MSA Towers 297 - 304 (See Figure 23, Properties R_140 – R_107 and R_133B and R_124B, B_036 – B_033, C_003 – C_001):**

125 The line route continues in a south-easterly direction, changing direction to the south southwest at Tower 299 before it veers south at Tower 303 after crossing the R163. There are a number of properties located either side of the line along the local road network. A small number of properties are set back from the local road with separate access lanes. Operational phase impacts are mainly Negligible, Minor-Moderate Adverse and Moderate Adverse. However, a small number of properties will experience Moderate-Major Adverse impacts due to their location and the lack of screening. The potential construction phase impacts and operational phase impacts for all residences impacted along this section of the proposed OHL are as detailed below.

126 Construction Phase Impacts

- **Negligible** magnitude of change, **Negligible** impact – R_140, R_139, R_138, R_135, R_133, R_132, R_131, R_130, R_128, R_127, R_126, R_125, R_124, R_124B, R_123, R_122, R_121, R_120, R_119, R_118, R_117, R_116, R_114, R_112, R_111, R_108, R_107, B_036, B_033, C_003, C_001
- **Low-Negligible** magnitude of change, **Minor-Moderate Adverse** impact – R_129
- **Low** magnitude of change, **Minor-Moderate Adverse** impact – R_136, R_113, R_133B, B_035, C_002
- **Low-Medium** magnitude of change, **Moderate Adverse** impact – B_034
- **Medium** magnitude of change, **Moderate Adverse** impact – R_137, R_134, R_115, R_110
- **High** magnitude of change, **Major Adverse** impact – R_109

127 Operational Phase Impacts

- **Negligible** magnitude of change, **Negligible** impact – R_139, R_138, R_131, R_130, R_128, R_126, R_125, R_123, R_121, R_120, R_119, R_118, R_116, R_114, R_111, R_108, B_034
- **Low** magnitude of change, **Minor-Moderate Adverse** impact – R_140, R_133, R_132, R_129, R_122, R_117, R_112, R_107, B_036, C_003, C_002
- **Low-Medium** magnitude of change, **Moderate Adverse** impact – R_136, R_135, R_133B, R_127, R_124, R_124B, R_113, C_001
- **Medium** magnitude of change, **Moderate Adverse** impact – R_115, R_110, B_035, B_033
- **Medium-High** magnitude of change, **Moderate-Major Adverse** impact – R_137, R_134
- **High** magnitude of change, **Major Adverse** impact – R_109

128 **MSA Towers 305 - 313 (See Figure 24, Properties R_190 – R_141 and R_150B – R_146B, R_N3, B_040 – B_037 and B_033, C_005 – C_004):**

129 The line enters this section heading south and turns south-west at Tower 307. The line crosses over the Arva – Navan 110kV OHL, to which a modification is being proposed, between Towers 307 and 308. The line changes direction to south southwest at Tower 309 and to the south southeast at Tower 312, shortly after crossing the R147. Clusters of properties are located along the local and regional road network. A number of properties located to the northwest and southeast of the line between Towers 307 and 308 and to the west of the line between Towers 309 and 312 will experience Moderate-Major Adverse and Major Adverse impacts at both construction and operational phases. The potential construction phase impacts and operational phase impacts for all residences impacted along this section of the proposed OHL are as detailed below.

130 Construction Phase Impacts

- **Negligible** magnitude of change, **Negligible** impact – R_185, R_181, R_180, R_177, R_172, R_169, R_168, R_166, R_161, R_158, R_157, R_155, R_150B, R_149B, R_148, R_147, R_146, R_146B, R_142, R_141, B_040, B_039, B_038, B_037, B_033, C_005
- **Low-Negligible** magnitude of change, **Minor-Moderate Adverse** impact – R_178, R_149
- **Low** magnitude of change, **Minor-Moderate Adverse** impact – R_190, R_186, R_184, R_183, R_175, R_170, R_167, R_165, R_162, R_159, R_145, R_144 and R_N3
- **Low-Medium** magnitude of change, **Moderate Adverse** impact – R_189, R_188, R_187, R_163, R_154, R_153, R_148B, R_143, R_141
- **Medium** magnitude of change, **Moderate Adverse** impact – R_182, R_179, R_176, R_171, R_164, R_160, R_156, R_152, R_151, R_150, R_147B, C_004
- **Medium-High** magnitude of change, **Moderate-Major Adverse** impact – R_173
- **High** magnitude of change, **Major Adverse** impact – R_174

131 Operational Phase Impacts

- **Negligible** magnitude of change, **Negligible** impact – R_181, R_180, R_177, R_150B, R_147, R_146, R_146B, R_142, R_141, B_040, B_038
- **Low-Negligible** magnitude of change, **Minor-Moderate Adverse** R_149
- **Low** magnitude of change, **Minor-Moderate Adverse** impact – R_187, R_185, R_172, R_168, R_165, R_161, R_159, R_158, R_153, R_149B, R_144, R_141 and R_N3, C_005
- **Low-Medium** magnitude of change, **Moderate Adverse** impact – R_186, R_178, R_143
- **Medium** magnitude of change, **Moderate Adverse** impact – R_190, R_189, R_188, R_184, R_183, R_175, R_171, R_169, R_166, R_164, R_163, R_162, R_160, R_157, R_155, R_154, R_152, R_151, R_150, R_148, R_148B, R_147B, R_145, B_039, B_037, B_033
- **Medium-High** magnitude of change, **Moderate-Major Adverse** impact – R_179, R_176, R_173, R_167, R_156
- **High** magnitude of change, **Major Adverse** impact – R_182, R_174, R_170, C_004

132 **MSA Towers 314 - 323 (See Figure 25, Properties R_228 – R_211 and R_209 – R_191, R_N1 and R_N2, B_045 – B_041, C_008 – C_006):**

133 The proposed OHL continues in a generally southerly direction through this section. It changes its course slightly at Towers 314, 316, 317, 318, 319 and 322. The line crosses the M3 motorway between Towers 319 and 320. Properties are located to either side of the line along the local road network. Impacts on individual properties vary from Negligible to Moderate Adverse for the construction phase and from Negligible to Moderate-Major Adverse for the operational phase. The potential construction phase impacts and operational phase impacts for all residences impacted along this section of the proposed OHL are as detailed below.

134 Construction Phase Impacts

- **Negligible** magnitude of change, **Negligible** impact – R_209, R_201, R_199, R_198, R_197, R_196, R_195, R_194, R_193, R_192, B_044, B_042, B_041, R_N1, R_N2
- **Low-Negligible** magnitude of change, **Minor-Moderate Adverse** impact – R_212, R_211, R_191, B_043
- **Low** magnitude of change, **Minor-Moderate Adverse** impact – R_228, R_227, R_218, R_214, R_213, R_208, R_205, R_204, R_203, R_202, R_200
- **Low-Medium** magnitude of change, **Moderate Adverse** impact – R_226, R_219, R_217, R_215
- **Medium** magnitude of change, **Moderate Adverse** impact – R_225, R_224, R_223, R_222, R_221, R_220, R_216, R_207, R_206, B_045, C_008, C_007, C_006

135 Operational Phase Impacts

- **Negligible** magnitude of change, **Negligible** impact – R_201, R_197, B_044, B_041
- **Low-Negligible** magnitude of change, **Minor-Moderate Adverse** impact – R_199, R_196, R_195, B_042
- **Low** magnitude of change, **Minor-Moderate Adverse** impact – R_198, R_194, R_193, R_N1, R_N2
- **Low-Medium** magnitude of change, **Moderate Adverse** impact – R_228, R_227, R_209, R_203, R_202, R_192
- **Medium** magnitude of change, **Moderate Adverse** impact – R_226, R_218, R_215, R_214, R_213, R_212, R_211, R_208, R_207, R_206, R_205, R_204, R_200, R_191, B_045, B_043, C_008, C_007, C_006
- **Medium-High** magnitude of change, **Moderate-Major Adverse** impact – R_225, R_224, R_223, R_222, R_221, R_220, R_219, R_217, R_216

136 **MSA Towers 323 - 331 (See Figure 26, Properties R_274 – R_229, B_054 – B_046, C_012 – C_009):**

137 The proposed OHL continues south-east to Tower 324 where it changes its direction to the south southwest. At Tower 327 the line changes direction to the south southeast and back to the southwest at Tower 330. Properties at this location are located mainly along public roads either side of the proposed OHL. Again properties along this section of the line will experience varying impacts at both construction and operational phases. A number of properties will experience Moderate-Major Adverse to Major Adverse impacts for the operational phase. The potential construction phase impacts and operational phase impacts for all residences impacted along this section of the proposed OHL are as detailed below.

138 Construction Phase Impacts

- **Negligible** magnitude of change, **Negligible** impact – R_271, R_265, R_263, R_262, R_249, B_049, C_011
- **Low-Negligible** magnitude of change, **Minor-Moderate Adverse** impact – R_267, R_264, R_233, C_012, C_009
- **Low** magnitude of change, **Minor-Moderate Adverse** impact – R_274, R_273, R_269, R_258, R_252, R_244, R_242, R_241, R_238, R_237, R_236, R_235, R_234, R_232, R_231, B_054, B_051, B_048, B_047, B_046, C_010
- **Low-Medium** magnitude of change, **Moderate Adverse** impact – R_270, R_245, R_243, B_050
- **Medium** magnitude of change, **Moderate Adverse** impact – R_272, R_268, R_266, R_261, R_260, R_259, R_257, R_256, R_255, R_254, R_240, R_239, R_230, R_229, B_053, B_052
- **Medium-High** magnitude of change, **Moderate-Major Adverse** impact – R_253, R_250, R_247, R_246
- **High** magnitude of change, **Major Adverse** impact – R_251, R_248

139 Operational Phase Impacts

- **Negligible** magnitude of change, **Negligible** impact – R_271, R_265, R_263, R_262, R_249, B_049, C_011
- **Low-Negligible** magnitude of change, **Minor-Moderate Adverse** impact – C_012
- **Low** magnitude of change, **Minor-Moderate Adverse** impact – R_274, R_269, R_267, R_264, R_258, R_252, R_238, R_237, R_233, B_051, C_010, C_009
- **Medium** magnitude of change, **Moderate Adverse** impact – R_273, R_270, R_268, R_266, R_261, R_260, R_259, R_257, R_256, R_255, R_245, R_244, R_243, R_242, R_241, R_240, R_239, R_236, R_235, R_234, R_232, R_231, B_054, B_053, B_050, B_048, B_047, B_046
- **Medium-High** magnitude of change, **Moderate-Major Adverse** impact – R_272, R_254, R_253, R_251, R_250, R_247, R_246, R_230, R_229, B_052
- **High** magnitude of change, **Major Adverse** impact – R_248

140 **MSA Towers 332 - 340 (See Figure 27, Properties R_317 – R_275, B_060 – B_055, C_015 – C_013):**

141 The line enters this section in a south-westerly direction before turning to the south south-east at Tower 334. The proposed OHL crosses the N51 between Towers 334 and 335 and continues south south-east until Tower 336, where it veers south. The majority of properties are located along the local and national road network. Impacts of the development, in this section of the line on individual properties vary from Negligible to Major Adverse for both construction and operational phases. The potential construction phase impacts and operational phase impacts for all residences impacted along this section of the proposed OHL are as detailed below.

142 Construction Phase Impacts

- **Negligible** magnitude of change, **Negligible** impact – R_308, R_304, R_301, R_300, R_285, B_059, B_056, C_015
- **Low-Negligible** magnitude of change, **Minor-Moderate Adverse** impact – R_312, B_058

- **Low** magnitude of change, **Minor-Moderate Adverse** impact – R_317, R_316, R_313, R_311, R_310, R_309, R_307, R_306, R_305, R_299, R_298, R_297, R_295, R_292, R_290, R_289, R_287, R_283, R_281, B_057, C_013
- **Low-Medium** magnitude of change, **Moderate Adverse** impact – R_282, R_280, R_279, R_277, R_276
- **Medium** magnitude of change, **Moderate Adverse** impact – R_315, R_314, R_302, R_296, R_291, R_288, R_286, B_060, C_014
- **Medium-High** magnitude of change, **Moderate-Major Adverse** impact – R_293, R_284, R_278, R_275
- **High** magnitude of change, **Major Adverse** impact – R_303, R_294, B_055

143 Operational Phase Impacts

- **Negligible** magnitude of change, **Negligible** impact – R_308, R_304, R_300, R_285, B_059, B_056, C_015
- **Low-Negligible** magnitude of change, **Minor-Moderate Adverse** impact – B_058
- **Low** magnitude of change, **Minor-Moderate Adverse** impact – R_312, R_298, R_289, R_287, C_013
- **Low-Medium** magnitude of change, **Moderate Adverse** impact – R_313, R_307, R_301, R_297, R_295, R_292, R_282, R_280, R_279, R_276
- **Medium** magnitude of change, **Moderate Adverse** impact – R_317, R_316, R_315, R_314, R_311, R_310, R_309, R_306, R_305, R_302, R_299, R_296, R_291, R_290, R_288, R_286, B_057, C_014
- **Medium-High** magnitude of change, **Moderate-Major Adverse** impact – R_293, R_284, R_283, R_281, R_278, R_277, R_275, B_060
- **High** magnitude of change, **Major Adverse** impact – R_303, R_294, B_055

144 **MSA Towers 341 - 350 (See Figure 28, Properties R_340 and R_337 – R_318 and R_321B, B_064 – B-061, C_017 – C_016):**

145 Approaching Philpotstown, the line moves gradually to the southeast at Towers 341, 342 and 346. Towers 340 and 341 are located within Philpotstown Demesne. The majority of properties are located to the west and southwest of the proposed OHL along the local road network. Along this section of the line, construction phase impacts are mainly Minor-Moderate Adverse, whilst operational phase impacts are mainly Moderate Adverse. The potential construction phase impacts and operational phase impacts for all residences impacted along this section of the proposed OHL are as detailed below.

146 Construction Phase Impacts

- **Negligible** magnitude of change, **Negligible** impact – R_321B
- **Low-Negligible** magnitude of change, **Minor-Moderate Adverse** impact – R_329, R_327, R_325, R_323, R_321
- **Low** magnitude of change, **Minor-Moderate Adverse** impact – R_340, R_337, R_336, R_335, R_334, R_328, R_326, R_324, R_322, R_320, R_319, R_318, B_064, B_063, C_016
- **Low-Medium** magnitude of change, **Moderate Adverse** impact – R_333, R_332, B_062, C_017
- **Medium** magnitude of change, **Moderate Adverse** impact – R_331, R_330, B_061

147 Operational Phase Impacts

- **Negligible** magnitude of change, **Negligible** impact – R_321B, R_319, R_318
- **Low** magnitude of change, **Minor-Moderate Adverse** impact – B_062
- **Low-Medium** magnitude of change, **Moderate Adverse** impact – R_333, R_329, R_327, R_325, R_323, R_321
- **Medium** magnitude of change, **Moderate Adverse** impact – R_340, R_337, R_336, R_335, R_334, R_332, R_328, R_326, R_324, R_322, R_320, B_064, B_063, C_017, C_016
- **Medium-High** magnitude of change, **Moderate-Major Adverse** impact – R_331, R_330, B_061

148 **MSA Towers 347 - 358 (See Figure 29, Properties R_360 – R_341 and R_339 – 338, B_073 – B_065, C_018):**

149 The proposed OHL continues in a south-easterly direction. It passes the Clady River between Towers 350 and 351. The line changes direction to the southeast at Towers 352 and 354. It crosses the River Boyne between Towers 355 and 356, veering south at Tower 357. Clusters of properties located along the local road network are situated on either side of the line. Operational phase impacts along this section of the line route vary from Negligible to Major Adverse (two properties). The potential construction phase impacts and operational phase impacts for all residences impacted along this section of the proposed OHL are as detailed below.

150 Construction Phase Impacts

- **Negligible** magnitude of change, **Negligible** impact – R_356, R_355, R_339, C_018
- **Low** magnitude of change, **Minor-Moderate Adverse** impact – R_358, R_357, R_354, R_353, R_352, R_351, R_350, R_349, R_347, R_346, R_345, R_344, R_341, R_338, B_071, B_070, B_069, B_068, B_067
- **Low-Medium** magnitude of change, **Moderate Adverse** impact – R_360, R_348, B_066
- **Medium** magnitude of change, **Moderate Adverse** impact – R_342, B_072, B_065
- **Medium-High** magnitude of change, **Moderate-Major Adverse** impact – R_359, R_343, B_073

151 Operational Phase Impacts

- **Negligible** magnitude of change, **Negligible** impact – R_356, R_355, R_339, C_018
- **Low-Negligible** magnitude of change, **Minor-Moderate Adverse** impact – R_350
- **Low** magnitude of change, **Minor-Moderate Adverse** impact – R_354, R_353, R_352, R_351, R_347, R_346, B_068, B_067, B_066
- **Low-Medium** magnitude of change, **Moderate Adverse** impact – R_344, B_070, B_069
- **Medium** magnitude of change, **Moderate Adverse** impact – R_358, R_357, R_349, R_348, R_345, R_342, R_341, R_338, B_071, B_065
- **Medium-High** magnitude of change, **Moderate-Major Adverse** impact – R_360, R_343, B_072
- **High** magnitude of change, **Major Adverse** impact – R_359, B_073

152 **MSA Towers 359 - 369 (See Figure 30, Properties R_389 – R_361, B_078 – B_077 and B_075 – B_074):**

153 The line enters this section in a south south-easterly direction and turns south at Tower 362. The line then changes direction to the south-east at Tower 366. There are a number of properties located to the east and west of the line with varying levels of visibility experienced at both the construction and operational phase of the proposed development. The number of properties within the study area increases further along the line towards Tower 369 where the line veers to the south again. Operational phase impacts along this section of the line route vary from Negligible to Moderate-Major Adverse. The potential construction phase impacts and operational phase impacts for all residences impacted along this section of the proposed OHL are as detailed below.

154 Construction Phase Impacts

- **Negligible** magnitude of change, **Negligible** impact – R_389, R_388, R_384, R_383, R_364, B_078
- **Low-Negligible** magnitude of change, **Minor-Moderate Adverse** impact – R_385, R_381, R_378, R_377, R_373, R_372, R_371, R_370, R_367
- **Low** magnitude of change, **Minor-Moderate Adverse** impact – R_387, R_386, R_382, R_375, R_369, R_368, R_363, R_361, B_077
- **Low-Medium** magnitude of change, **Moderate Adverse** impact – R_380, R_379, R_376, R_366, R_365, B_074
- **Medium** magnitude of change, **Moderate Adverse** impact – R_374, R_362, B_075

155 Operational Phase Impacts

- **Negligible** magnitude of change, **Negligible** impact – R_389, R_388, B_078
- **Low-Negligible** magnitude of change, **Minor-Moderate Adverse** impact – R_384, R_383, R_364
- **Low** magnitude of change, **Minor-Moderate Adverse** impact – R_387, R_386, R_385, R_382, R_381, R_378, R_377, R_374, R_361, B_075
- **Low-Medium** magnitude of change, **Moderate Adverse** impact – R_380, R_376, R_371, R_367, B_077
- **Medium** magnitude of change, **Moderate Adverse** impact – R_379, R_375, R_373, R_372, R_370, R_366, R_363, B_074
- **Medium-High** magnitude of change, **Moderate-Major Adverse** impact – R_369, R_368, R_365, R_362

156 **MSA Towers 370 - 378 (See Figure 31, Properties R_401 – R_390, B_085 – B_079 and B_076):**

157 The line enters this section in a southerly direction passing properties located to the west in the townland of Crumpstown or Marshallstown. The proposed OHL changes direction to the southwest at Tower 371 and veers further in a southerly direction at Tower 373. There are a number of properties located along the R154, which the line crosses shortly after Tower 374. The line then veers south south-east at Tower 375 passing properties located to the west of the line route in the area of Boycetown. The proposed OHL crosses Boycetown River between Towers 376 and 377. Properties located east and west of the line will experience Moderate to Moderate-Major Adverse impacts. The potential construction phase impacts and operational

phase impacts for all residences impacted along this section of the proposed OHL are as detailed below.

158 Construction Phase Impacts

- **Low-Negligible** magnitude of change, **Minor-Moderate Adverse** impact – R_401, R_400, R_394
- **Low** magnitude of change, **Minor-Moderate Adverse** impact – R_399, R_398, R_395, R_393, R_392, B_085, B_084, B_083, B_081, B_080
- **Low-Medium** magnitude of change, **Moderate Adverse** impact – R_391, R_390, B_079, B_076
- **Medium** magnitude of change, **Moderate Adverse** impact – R_397, R_396, B_082

159 Operational Phase Impacts

- **Low-Negligible** magnitude of change, **Minor-Moderate Adverse** impact – R_394
- **Low** magnitude of change, **Minor-Moderate Adverse** impact – R_401, R_400, R_399, R_398, R_395, R_393, R_392, B_085, B_084, B_083, B_081, B_079
- **Medium** magnitude of change, **Moderate Adverse** impact – R_397, B_082, B_076
- **Medium-High** magnitude of change, **Moderate-Major Adverse** impact – R_396, R_391, R_390

160 **MSA Towers 379 - 389 (See Figure 32, Properties R_417 - R_402, B_088 - B_086, C_019):**

161 The proposed OHL enters this section in a southerly direction. Towers 379 and 380 are located to the rear of a number of properties along a local road. The line veers further to the southeast at Tower 380 and continues straight in this direction passing a number of properties in the area of Galtrim. Heading further south-east the line traverses across agricultural land without properties until it reaches the area of Derrypatrick with properties located either side of the proposed OHL. The line crosses Boycetown River between Towers 384 and 385. Both construction and operational phase impacts along this section of the proposed OHL range from Minor-Moderate Adverse to Moderate Major Adverse (three properties). The potential construction phase impacts and operational phase impacts for all residences impacted along this section of the proposed OHL are as detailed below.

162 Construction Phase Impacts

- **Low** magnitude of change, **Minor-Moderate Adverse** impact – R_417, R_416, R_411, R_410, R_409, R_408, R_406, R_405, R_404, R_403, R_402, B_088, C_019
- **Low-Medium** magnitude of change, **Moderate Adverse** impact – R_407
- **Medium** magnitude of change, **Moderate Adverse** impact – R_415, R_414, B_087
- **Medium-High** magnitude of change, **Moderate-Major Adverse** impact – R_413, R_412, B_086

163 Operational Phase Impacts

- **Low-Negligible** magnitude of change, **Minor-Moderate Adverse** impact – R_413
- **Low** magnitude of change, **Minor-Moderate Adverse** impact – R_417, R_415, R_410, R_408, R_405, R_402, B_088, C_019
- **Low-Medium** magnitude of change, **Moderate Adverse** impact – R_411, B_087

- **Medium** magnitude of change, **Moderate Adverse** impact – R_416, R_409, R_407, R_406, R_404, R_403
- **Medium-High** magnitude of change, **Moderate-Major Adverse** impact – R_414, R_412, B_086

164 **MSA Towers 388 - 398 (See Figure 33, Properties R_424 - 418, B_089):**

165 Coming from Derrypatrick, the line heads in an east south-easterly direction. At Tower 392, the route veers further to the south-east. There are a limited number of properties located within the 500m study area along this section of the proposed OHL. Impacts to individual properties do not exceed Moderate Adverse. The potential construction and operational phase impacts for all relevant residences along this section of the proposed OHL are as detailed below.

166 Construction Phase Impacts

- **Negligible** magnitude of change, **Negligible** impact – R_418
- **Low** magnitude of change, **Minor-Moderate Adverse** impact – R_422, R_421, R_419
- **Medium** magnitude of change, **Moderate Adverse** impact – R_424, R_423, R_420, B_089

167 Operational Phase Impacts

- **Negligible** magnitude of change, **Negligible** impact – R_418
- **Low** magnitude of change, **Minor-Moderate Adverse** impact – R_422, R_421, R_420
- **Low-Medium** magnitude of change, **Moderate Adverse** impact – R_419, B_089
- **Medium** magnitude of change, **Moderate Adverse** impact – R_424, R_423

168 **MSA Towers 398 - 407 (See Figure 34, Properties R_467 - 425, B_095 - 090,) (Towers 402 – 407 are on the existing Oldstreet to Woodland 400 kV transmission line):**

169 The line travels south-east crossing the R125 between Towers 400 and 401 where a number of properties are located along this stretch of road. The proposed OHL continues towards Tower 402, where it joins the existing Oldstreet to Woodland 400kV transmission line. Properties within this area will experience varying levels of impacts both at construction phase (Negligible to Moderate-Major Adverse) and operational phase (Negligible to Moderate Adverse). The potential construction phase impacts and operational phase impacts for all residences impacted along this section of the proposed OHL are as detailed below.

170 Construction Phase Impacts

- **Negligible** magnitude of change, **Negligible** impact – R_439, R_432, R_430, R_429, B_90
- **Low** magnitude of change, **Minor-Moderate Adverse** impact – R_445, R_444, R_443, R_442, R_440, R_438, R_437, R_435, R_434, R_433, R_431, R_428, R_426, B_093, B_092
- **Medium** magnitude of change, **Moderate Adverse** impact – R_441, R_436, R_427, R_425
- **Medium-High** magnitude of change, **Moderate-Major Adverse** impact – B_091

171 Operational Phase Impacts

- **Negligible** magnitude of change, **Negligible** impact – R_467, R_466, R_465, R_464, R_463, R_462, R_461, R_460, R_459, R_458, R_457, R_456, R_455, R_454, R_453, R_452, R_451, R_450, R_449, R_448, R_447, R_446, R_445, R_444, R_443, R_442, R_441, R_440, R_439, R_438, R_437, R_436, R_432, R_431, R_429, B_095, B_094
- **Low** magnitude of change, **Minor-Moderate Adverse** impact –R_435, R_434, R_433, R_430, R_428, R_426, B_093, B_092, B_091
- **Low-Medium** magnitude of change, **Moderate Adverse** impact – R_427
- **Medium** magnitude of change, **Moderate Adverse** impact – R_425

172 **MSA Towers 404 - 410 (See Figure 35, Properties R_467 - 446, B_095 – B_094) (Towers 404 - 410 are on the existing Oldstreet to Woodland 400 kV transmission line):**

173 The proposed OHL continues along the existing Oldstreet to Woodland 400 kV transmission line from Tower 404 to Tower 410, where it terminates at the existing Woodland Substation. The proposed line utilises the existing double circuit tower infrastructure along this section. Visual impacts are therefore largely limited to the construction phase of the development, as there are no additional towers proposed, with the additional infrastructure entailing the stringing of the currently unused (northern) side of the existing double circuit 400 kV overhead transmission line. The potential construction phase impacts and operational phase impacts for all residences impacted along this section of the proposed OHL are as detailed below.

174 Construction Phase Impacts

- **Negligible** magnitude of change, **Negligible** impact – R_466, R_461, R_460, R_459, R_456, R_455, R_454, R_453, R_452, R_451, R_450, R_446, B_94
- **Low** magnitude of change, **Minor-Moderate Adverse** impact – R_467, R_464, R_463, R_458, R_457, R_447, B_095
- **Low-Medium** magnitude of change, **Moderate Adverse** impact – R_465, R_449, R_448
- **Medium magnitude** of change, **Moderate Adverse** impact – R_462

175 Operational Phase Impacts

- **Negligible** magnitude of change, **Negligible** impact – R_467, R_466, R_465, R_464, R_463, R_462, R_461, R_460, R_459, R_458, R_457, R_456, R_455, R_454, R_453, R_452, R_451, R_450, R_449, R_448, R_447, R_446, B_095, B_094

4 IMPACT SUMMARY AND CONCLUSION

176 A combined total of 1,070 properties were assessed within the study area of 500m either side of the proposed OHL (including 15 properties in Northern Ireland).

177 Figures 1 to 35 show the impact rating and colour coding for each residence where the impacts will be Moderate or greater. These are considered the highest impacts and will be experienced by properties proximal to the line where there is little or no intervening vegetation. This confirms the conclusion in the EIS (refer to Volume 3C - CMSA, Chapter 11, Section 11.9 and Volume 3D - MSA, Chapter 11, Section 11.9).

178 Set out below is a summary of properties that will experience Moderate Adverse, Moderate–Major Adverse or Major Adverse visual impact for the operational phase of the proposed development. These properties are highlighted with a colour coding (refer to Section 1.2.4) in the individual property assessment tables (refer to Appendix 1) and in Figures 1 to 35 (refer to Appendix 2):

179 **Cavan-Monaghan Study Area (CMSA) – Total of 472 properties (including 15 properties within Northern Ireland)**

- 17 properties will experience Major Adverse impact;
- 43 properties will experience Moderate-Major Adverse impact; and
- 211 properties will experience Moderate Adverse impact.

180 **Meath Study Area (MSA) – Total of 598 properties**

- 13 properties will experience Major Adverse impact;
- 61 properties will experience Moderate-Major Adverse impact; and
- 248 properties will experience Moderate Adverse impact.

181 In conclusion, a total of 30 out of 1,070 properties or 2.8% will experience a Major Adverse visual impact, that is, according to the definitions used in this report; where the development will cause a very noticeable deterioration in the existing view. This will typically occur where the development obstructs an existing view of local landscape and the development will dominate the future view.

182 A total of 104 out of 1,070 properties or 9.7% will experience Moderate-Major Adverse visual impact, that is, where the development will cause a noticeable deterioration in the existing

view. This will typically occur where the development obstructs an existing view of local landscape and the development will substantially impact but not dominate the future view.

183 A total of 459 out of 1,070 properties or 42.9% will experience Moderate Adverse visual impact, that is; where a development will cause a noticeable deterioration in the existing view.

184 Properties that will experience Minor-Moderate Adverse and Negligible visual impact at operational phase due to the proposed development are listed below and in the individual property assessment tables (refer to Appendix 1):

185 **Cavan-Monaghan Study Area (CMSA) – Total of 472 properties (including 15 properties within Northern Ireland)**

- 107 properties will experience Minor-Moderate Adverse impact; and
- 94 properties will experience Negligible impact.

186 **Meath Study Area (MSA) – Total of 598 properties**

- 156 properties will experience Minor-Moderate Adverse impact; and
- 120 properties will experience Negligible impact.

187 A total of 263 out of 1,070 properties or 24.6% will experience a Minor-Moderate Adverse visual impact, that is; where the proposed development will cause a noticeable or barely perceptible deterioration in the existing view. This will typically occur where the viewer is at some distance from the development and the development is in the view, but not as a point of principal focus. It will also occur where the development is located close to the viewpoint but is seen at an acute angle and at the extremity of the overall view.

188 A total of 214 out of 1,070 properties or 20% will experience Negligible visual impact, that is; where there is no discernible improvement or deterioration in the existing view.

APPENDIX 1

**INDIVIDUAL PROPERTY ASSESSMENT
TABLES**

The following abbreviations have been used in the table:

Nature of View: O - Oblique (used in relation to Nature of View) D - Direct (used in relation to Nature of View) F - Filtered (used in relation to Nature of View) S - Screened (used in relation to Nature of View)	Property Type: R – Residential C – Commercial B – Both (Residential and Commercial) U – Under construction	NI R – Residential in Northern Ireland NI C – Commercial in Northern Ireland J – SONI property labelling category	Colour Coding of Impact rating: Moderate Adverse
			Moderate-Major Adverse
			Major Adverse

Study Area	Property Type	Property ID	Google Earth Aerial photography date	Google Street View photography date	Nature of View	Review and verification on site	CONSTRUCTION		OPERATION	
							Magnitude of Change	Impact (Adverse)	Magnitude of Change	Impact (Adverse)
MSA	R	425	12/07/2013	Mar 2011	D O F	05/03/15	Medium	Moderate	Medium	Moderate
MSA	R	426	12/07/2013	Mar 2011	F S	05/03/15	Low	Minor-Moderate	Low	Minor-Moderate
MSA	R	427	12/07/2013	Mar 2011	D F S	05/03/15	Medium	Moderate	Low-Medium	Moderate
MSA	B	1	19/04/2011	Aug 2010	O F S	05/03/15	Negligible	Negligible	Negligible	Negligible
MSA	B	2	19/04/2011	Aug 2010	O	05/03/15	Low	Minor-Moderate	Low	Minor-Moderate
MSA	B	3	19/04/2011	Aug 2010	S	05/03/15	Negligible	Negligible	Negligible	Negligible
MSA	B	5	19/04/2011	Aug 2010	D O F	05/03/15	Negligible	Negligible	Medium	Moderate
MSA	B	4	19/04/2011	May 2009	D O F S	05/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	B	94	12/07/2013	NO DATA	S	05/03/15	Negligible	Negligible	Negligible	Negligible
MSA	R	440	12/07/2013	May 2009	O S	05/03/15	Low	Minor-Moderate	Negligible	Negligible
MSA	R	439	12/07/2013	May 2009	S	05/03/15	Negligible	Negligible	Negligible	Negligible
MSA	R	444	12/07/2013	May 2009	O F	05/03/15	Low	Minor-Moderate	Negligible	Negligible
MSA	R	437	12/07/2013	May 2009	O F	05/03/15	Low	Minor-Moderate	Negligible	Negligible
MSA	R	443	12/07/2013	May 2009	O F	05/03/15	Low	Minor-Moderate	Negligible	Negligible
MSA	R	438	12/07/2013	May 2009	O F S	05/03/15	Low	Minor-Moderate	Negligible	Negligible
MSA	R	442	12/07/2013	May 2009	O F S	05/03/15	Low	Minor-Moderate	Negligible	Negligible
MSA	R	445	12/07/2013	May 2009	O F S	05/03/15	Low	Minor-Moderate	Negligible	Negligible
MSA	R	436	12/07/2013	May 2009	D	05/03/15	Medium	Moderate	Negligible	Negligible
MSA	R	441	12/07/2013	May 2009	D O F	05/03/15	Medium	Moderate	Negligible	Negligible
MSA	R	462	12/07/2013	NO DATA	O F S	05/03/15	Medium	Moderate	Negligible	Negligible
MSA	R	463	12/07/2013	May 2009	O F S	05/03/15	Low	Minor-Moderate	Negligible	Negligible
MSA	B	95	12/07/2013	May 2009	D O F S	05/03/15	Low	Minor-Moderate	Negligible	Negligible
MSA	R	465	12/07/2013	May 2009	F S	05/03/15	Low-Medium	Moderate	Negligible	Negligible
MSA	R	466	12/07/2013	May 2009	O F S	05/03/15	Negligible	Negligible	Negligible	Negligible
MSA	R	464	12/07/2013	May 2009	O F S	05/03/15	Low	Minor-Moderate	Negligible	Negligible
MSA	R	467	12/07/2013	May 2009	O F S	05/03/15	Low	Minor-Moderate	Negligible	Negligible
MSA	R	448	12/07/2013	May 2009	O F S	05/03/15	Low-Medium	Moderate	Negligible	Negligible
MSA	R	449	12/07/2013	May 2009	O F S	05/03/15	Low-Medium	Moderate	Negligible	Negligible
MSA	R	457	12/07/2013	May 2009	O F S	05/03/15	Low	Minor-Moderate	Negligible	Negligible
MSA	R	447	12/07/2013	May 2009	O F S	05/03/15	Low	Minor-Moderate	Negligible	Negligible
MSA	R	450	12/07/2013	May 2009	D F S	05/03/15	Negligible	Negligible	Negligible	Negligible
MSA	R	458	12/07/2013	May 2009	D O F S	05/03/15	Low	Minor-Moderate	Negligible	Negligible
MSA	R	453	12/07/2013	May 2009	D O F	05/03/15	Negligible	Negligible	Negligible	Negligible
MSA	R	446	12/07/2013	May 2009	D O F	05/03/15	Negligible	Negligible	Negligible	Negligible
MSA	R	454	12/07/2013	May 2009	O F S	05/03/15	Negligible	Negligible	Negligible	Negligible
MSA	R	460	12/07/2013	May 2009	O F S	05/03/15	Negligible	Negligible	Negligible	Negligible
MSA	R	456	12/07/2013	May 2009	D F S	05/03/15	Negligible	Negligible	Negligible	Negligible
MSA	R	455	12/07/2013	May 2009	S	05/03/15	Negligible	Negligible	Negligible	Negligible
MSA	R	451	12/07/2013	NO DATA	O F S	05/03/15	Negligible	Negligible	Negligible	Negligible
MSA	R	461	12/07/2013	May 2009	O F S	05/03/15	Negligible	Negligible	Negligible	Negligible
MSA	R	452	12/07/2013	May 2009	O F S	05/03/15	Negligible	Negligible	Negligible	Negligible
MSA	R	459	12/07/2013	May 2009	D O F S	05/03/15	Negligible	Negligible	Negligible	Negligible
MSA	R	435	12/07/2013	May 2009	O F S	05/03/15	Low	Minor-Moderate	Low	Minor-Moderate
MSA	R	434	12/07/2013	May 2009	O F S	05/03/15	Low	Minor-Moderate	Low	Minor-Moderate
MSA	R	431	12/07/2013	May 2009	O F S	05/03/15	Low	Minor-Moderate	Negligible	Negligible
MSA	B	90	12/07/2013	May 2009	O F S	05/03/15	Negligible	Negligible	Negligible	Negligible
MSA	B	92	12/07/2013	May 2009	O F S	05/03/15	Low	Minor-Moderate	Low	Minor-Moderate
MSA	R	432	12/07/2013	May 2009	O F S	05/03/15	Negligible	Negligible	Negligible	Negligible
MSA	R	433	12/07/2013	May 2009	D F S	05/03/15	Low	Minor-Moderate	Low	Minor-Moderate
MSA	R	430	12/07/2013	Mar 2011	O F S	05/03/15	Negligible	Negligible	Low	Minor-Moderate
MSA	R	428	12/07/2013	Mar 2011	D F	05/03/15	Low	Minor-Moderate	Low	Minor-Moderate
MSA	R	429	12/07/2013	Mar 2011	O F S	05/03/15	Negligible	Negligible	Negligible	Negligible
MSA	B	93	12/07/2013	Mar 2011	D O F	05/03/15	Low	Minor-Moderate	Low	Minor-Moderate
MSA	B	91	12/07/2013	Mar 2011	D F S	05/03/15	Medium-High	Moderate-Major	Low	Minor-Moderate
MSA	R	424	12/07/2013	NO DATA	D O F S	05/03/15	Medium	Moderate	Medium	Moderate
MSA	R	423	12/07/2013	NO DATA	D O F S	05/03/15	Medium	Moderate	Medium	Moderate
MSA	R	422	12/07/2013	NO DATA	F S	05/03/15	Low	Minor-Moderate	Low	Minor-Moderate
MSA	R	414	12/07/2013	Sept 2009	F S	05/03/15	Medium	Moderate	Medium-High	Moderate-Major
MSA	R	417	12/07/2013	Sept 2009	O F S	05/03/15	Low	Minor-Moderate	Low	Minor-Moderate
MSA	R	415	12/07/2013	Sept 2009	O F S	05/03/15	Medium	Moderate	Low	Minor-Moderate
MSA	R	416	12/07/2013	Sept 2009	O F S	05/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	R	421	12/07/2013	Sept 2009	D O F S	05/03/15	Low	Minor-Moderate	Low	Minor-Moderate
MSA	R	420	12/07/2013	Sept 2009	O F S	05/03/15	Medium	Moderate	Low	Minor-Moderate
MSA	B	89	12/07/2013	Sept 2009	O F S	05/03/15	Medium	Moderate	Low-Medium	Moderate
MSA	R	419	12/07/2013	Sept 2009	O F S	05/03/15	Low	Minor-Moderate	Low-Medium	Moderate
MSA	R	418	12/07/2013	Sept 2009	O F S	05/03/15	Negligible	Negligible	Negligible	Negligible
MSA	R	410	12/07/2013	May 2009	D F S	05/03/15	Low	Minor-Moderate	Low	Minor-Moderate
MSA	B	88	12/07/2013	May 2009	D O F S	05/03/15	Low	Minor-Moderate	Low	Minor-Moderate
MSA	R	411	12/07/2013	May 2009	O F S	05/03/15	Low	Minor-Moderate	Low-Medium	Moderate
MSA	R	413	12/07/2013	May 2009	O F S	05/03/15	Medium-High	Moderate-Major	Low-Negligible	Minor-Moderate
MSA	R	412	12/07/2013	May 2009	D O F S	05/03/15	Medium-High	Moderate-Major	Medium-High	Moderate-Major
MSA	R	408	12/07/2013	May 2009	D O F S	05/03/15	Low	Minor-Moderate	Low	Minor-Moderate
MSA	R	402	12/07/2013	May 2009	D O F S	05/03/15	Low	Minor-Moderate	Low	Minor-Moderate

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							Magnitude of Change	Impact (Adverse)	Magnitude of Change	Impact (Adverse)
MSA	C	19	12/07/2013	May 2009	D O F S	05/03/15	Low	Minor-Moderate	Low	Minor-Moderate
MSA	R	407	12/07/2013	May 2009	O F S	05/03/15	Low-Medium	Moderate	Medium	Moderate
MSA	R	409	12/07/2013	May 2009	O F S	05/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	R	406	12/07/2013	May 2009	O F S	05/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	R	404	12/07/2013	May 2009	O F S	05/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	R	403	12/07/2013	May 2009	O F S	05/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	R	405	12/07/2013	May 2009	D O F	05/03/15	Low	Minor-Moderate	Low	Minor-Moderate
MSA	B	87	12/07/2013	May 2009	O F S	05/03/15	Medium	Moderate	Low-Medium	Moderate
MSA	R	401	12/07/2013	May 2009	O F S	05/03/15	Low-Negligible	Minor-Moderate	Low	Minor-Moderate
MSA	B	86	12/07/2013	NO DATA	D O F S	05/03/15	Medium-High	Moderate-Major	Medium-High	Moderate-Major
MSA	R	400	12/07/2013	May 2009	O F S	05/03/15	Low-Negligible	Minor-Moderate	Low	Minor-Moderate
MSA	B	81	12/07/2013	May 2009	O F S	05/03/15	Low	Minor-Moderate	Low	Minor-Moderate
MSA	R	399	12/07/2013	May 2009	O F S	05/03/15	Low	Minor-Moderate	Low	Minor-Moderate
MSA	B	80	12/07/2013	May 2009	D O F	05/03/15	Low	Minor-Moderate	Low	Minor-Moderate
MSA	R	398	12/07/2013	May 2009	D O F S	05/03/15	Low	Minor-Moderate	Low	Minor-Moderate
MSA	B	79	12/07/2013	May 2009	D O F S	05/03/15	Low-Medium	Moderate	Low	Minor-Moderate
MSA	B	82	12/07/2013	NO DATA	D O F S	05/03/15	Medium	Moderate	Medium	Moderate
MSA	R	395	12/07/2013	April 2011	O F S	05/03/15	Low	Minor-Moderate	Low	Minor-Moderate
MSA	B	83	12/07/2013	April 2011	O F S	05/03/15	Low	Minor-Moderate	Low	Minor-Moderate
MSA	R	397	12/07/2013	April 2011	O F S	05/03/15	Medium	Moderate	Medium	Moderate
MSA	R	396	12/07/2013	April 2011	O F S	05/03/15	Medium	Moderate	Medium-High	Moderate-Major
MSA	B	85	12/07/2013	April 2011	D O F S	05/03/15	Low	Minor-Moderate	Low	Minor-Moderate
MSA	B	84	12/07/2013	April 2011	D O F S	05/03/15	Low	Minor-Moderate	Low	Minor-Moderate
MSA	R	394	12/07/2013	May 2009	D O F S	05/03/15	Low-Negligible	Minor-Moderate	Low-Negligible	Minor-Moderate
MSA	R	393	12/07/2013	May 2009	D O F S	05/03/15	Low	Minor-Moderate	Low	Minor-Moderate
MSA	B	76	12/07/2013	May 2009	O F S	05/03/15	Low-Medium	Moderate	Medium	Moderate
MSA	R	391	12/07/2013	May 2009	D O F S	05/03/15	Low-Medium	Moderate	Medium-High	Moderate-Major
MSA	R	390	12/07/2013	May 2009	D O F S	05/03/15	Low-Medium	Moderate	Medium-High	Moderate-Major
MSA	R	392	12/07/2013	May 2009	O F S	05/03/15	Low	Minor-Moderate	Low	Minor-Moderate
MSA	R	379	12/07/2013	May 2009	D O F S	05/03/15	Low-Medium	Moderate	Medium	Moderate
MSA	R	378	12/07/2013	May 2009	O F S	05/03/15	Low-Negligible	Minor-Moderate	Low	Minor-Moderate
MSA	R	377	12/07/2013	May 2009	O F S	05/03/15	Low-Negligible	Minor-Moderate	Low	Minor-Moderate
MSA	B	75	12/07/2013	May 2009	O F S	05/03/15	Medium	Moderate	Low	Minor-Moderate
MSA	R	374	12/07/2013	May 2009	D F S	05/03/15	Medium	Moderate	Low	Minor-Moderate
MSA	R	376	12/07/2013	May 2009	D F	05/03/15	Low-Medium	Moderate	Low-Medium	Moderate
MSA	R	375	12/07/2013	May 2009	D F	05/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	R	370	12/07/2013	May 2009	O F S	05/03/15	Low-Negligible	Minor-Moderate	Medium	Moderate
MSA	R	373	12/07/2013	May 2009	D O F S	05/03/15	Low-Negligible	Minor-Moderate	Medium	Moderate
MSA	R	372	12/07/2013	May 2009	D O F S	05/03/15	Low-Negligible	Minor-Moderate	Medium	Moderate
MSA	R	371	12/07/2013	May 2009	O F S	05/03/15	Low-Negligible	Minor-Moderate	Low-Medium	Moderate
MSA	R	367	12/07/2013	May 2009	D O F S	05/03/15	Low-Negligible	Minor-Moderate	Low-Medium	Moderate
MSA	R	366	12/07/2013	May 2009	D O F S	05/03/15	Low-Medium	Moderate	Medium	Moderate
MSA	B	74	12/07/2013	May 2009	D O F S	05/03/15	Low-Medium	Moderate	Medium	Moderate
MSA	R	363	12/07/2013	May 2009	O F S	05/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	R	362	12/07/2013	May 2009	D O F S	05/03/15	Medium	Moderate	Medium-High	Moderate-Major
MSA	R	380	12/07/2013	May 2009	S	05/03/15	Low-Medium	Moderate	Low-Medium	Moderate
MSA	R	386	12/07/2013	May 2009	O F S	05/03/15	Low	Minor-Moderate	Low	Minor-Moderate
MSA	R	387	12/07/2013	May 2009	O F S	05/03/15	Low	Minor-Moderate	Low	Minor-Moderate
MSA	R	388	12/07/2013	May 2009	O F S	05/03/15	Negligible	Negligible	Negligible	Negligible
MSA	R	385	12/07/2013	May 2009	S	05/03/15	Low-Negligible	Minor-Moderate	Low	Minor-Moderate
MSA	B	77	12/07/2013	May 2009	O F S	05/03/15	Low	Minor-Moderate	Low-Medium	Moderate
MSA	R	381	12/07/2013	May 2009	O F S	05/03/15	Low-Negligible	Minor-Moderate	Low	Minor-Moderate
MSA	R	389	12/07/2013	May 2009	O F S	05/03/15	Negligible	Negligible	Negligible	Negligible
MSA	R	382	12/07/2013	May 2009	S	05/03/15	Low	Minor-Moderate	Low	Minor-Moderate
MSA	R	383	12/07/2013	May 2009	D O F S	05/03/15	Negligible	Negligible	Low-Negligible	Minor-Moderate
MSA	R	384	12/07/2013	May 2009	O F S	05/03/15	Negligible	Negligible	Low-Negligible	Minor-Moderate
MSA	B	78	12/07/2013	May 2009	O F S	05/03/15	Negligible	Negligible	Negligible	Negligible
MSA	R	368	12/07/2013	NO DATA	O F S	05/03/15	Low	Minor-Moderate	Medium-High	Moderate-Major
MSA	R	369	12/07/2013	NO DATA	D O F S	05/03/15	Low	Minor-Moderate	Medium-High	Moderate-Major
MSA	R	364	12/07/2013	May 2009	D O F S	05/03/15	Negligible	Negligible	Low-Negligible	Minor-Moderate
MSA	R	365	12/07/2013	May 2009	D O F S	05/03/15	Low-Medium	Moderate	Medium-High	Moderate-Major
MSA	R	361	12/07/2013	May 2009	D O F S	05/03/15	Low	Minor-Moderate	Low	Minor-Moderate
MSA	B	72	12/07/2013	NO DATA	D O F S	05/03/15	Medium	Moderate	Medium-High	Moderate-Major
MSA	R	360	12/07/2013	May 2009	D O F S	05/03/15	Low-Medium	Moderate	Medium-High	Moderate-Major
MSA	R	359	12/07/2013	May 2009	D O F S	05/03/15	Medium-High	Moderate-Major	High	Major
MSA	B	73	12/07/2013	May 2009	D O F S	05/03/15	Medium-High	Moderate-Major	High	Major
MSA	R	358	12/07/2013	NO DATA	D O F S	05/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	B	71	12/07/2013	NO DATA	O S	05/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	R	357	12/07/2013	May 2009	O S	05/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	B	70	12/07/2013	May 2009	O F S	05/03/15	Low	Minor-Moderate	Low-Medium	Moderate
MSA	B	69	12/07/2013	May 2009	D O F S	05/03/15	Low	Minor-Moderate	Low-Medium	Moderate
MSA	R	356	12/07/2013	May 2009	O F S	05/03/15	Negligible	Negligible	Negligible	Negligible
MSA	R	355	12/07/2013	May 2009	O F S	05/03/15	Negligible	Negligible	Negligible	Negligible
MSA	B	66	12/07/2013	Oct 2009	O F S	05/03/15	Low-Medium	Moderate	Low	Minor-Moderate
MSA	R	354	12/07/2013	May 2009	O F S	05/03/15	Low	Minor-Moderate	Low	Minor-Moderate
MSA	R	346	12/07/2013	May 2009	O F S	05/03/15	Low	Minor-Moderate	Low	Minor-Moderate
MSA	B	68	12/07/2013	May 2009	D F S	05/03/15	Low	Minor-Moderate	Low	Minor-Moderate
MSA	B	67	12/07/2013	May 2009	D	05/03/15	Low	Minor-Moderate	Low	Minor-Moderate
MSA	R	352	12/07/2013	May 2009	D F S	05/03/15	Low	Minor-Moderate	Low	Minor-Moderate
MSA	R	351	12/07/2013	May 2009	O F S	05/03/15	Low	Minor-Moderate	Low	Minor-Moderate
MSA	R	347	12/07/2013	May 2009	D F S	05/03/15	Low	Minor-Moderate	Low	Minor-Moderate
MSA	R	349	12/07/2013	May 2009	O S	05/03/15	Low	Minor-Moderate	Medium	Moderate

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							Magnitude of Change	Impact (Adverse)	Magnitude of Change	Impact (Adverse)
MSA	R	350	12/07/2013	May 2009	O S	05/03/15	Low	Minor-Moderate	Low-Negligible	Minor-Moderate
MSA	R	353	12/07/2013	May 2009	D F S	05/03/15	Low	Minor-Moderate	Low	Minor-Moderate
MSA	R	348	12/07/2013	May 2009	D F S	05/03/15	Low-Medium	Moderate	Medium	Moderate
MSA	R	339	12/07/2013	May 2009	D F S	05/03/15	Negligible	Negligible	Negligible	Negligible
MSA	C	18	12/07/2013	May 2009	O F S	05/03/15	Negligible	Negligible	Negligible	Negligible
MSA	R	338	12/07/2013	May 2009	D O F S	05/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	R	334	12/07/2013	May 2009	D O F S	05/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	R	341	12/07/2013	May 2009	D O F S	05/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	R	336	12/07/2013	May 2009	D O F S	05/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	R	337	12/07/2013	May 2009	O F S	05/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	R	340	12/07/2013	May 2009	O F S	05/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	B	64	12/07/2013	May 2009	O S	05/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	R	335	12/07/2013	May 2009	D O F S	05/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	B	63	12/07/2013	May 2009	D O F S	05/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	R	333	12/07/2013	May 2009	D O F S	05/03/15	Low-Medium	Moderate	Low-Medium	Moderate
MSA	B	62	12/07/2013	May 2009	O F S	05/03/15	Low-Medium	Moderate	Low	Minor-Moderate
MSA	B	61	12/07/2013	July 2011	D O F S	05/03/15	Medium	Moderate	Medium	Moderate
MSA	R	343	12/07/2013	Oct 2009	O F S	05/03/15	Medium-High	Moderate-Major	Medium-High	Moderate-Major
MSA	B	65	12/07/2013	Oct 2009	O F S	05/03/15	Medium	Moderate	Medium	Moderate
MSA	R	342	12/07/2013	Oct 2009	D O F S	05/03/15	Medium	Moderate	Medium	Moderate
MSA	R	345	12/07/2013	Oct 2009	D O F S	05/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	R	343	12/07/2013	May 2009	D O F S	05/03/15	Low	Minor-Moderate	Low-Medium	Moderate
MSA	R	344	12/07/2013	May 2009	D O F S	05/03/15	Low	Minor-Moderate	Low-Medium	Moderate
MSA	R	332	12/07/2013	July 2011	D O F S	05/03/15	Low-Medium	Moderate	Medium	Moderate
MSA	R	331	12/07/2013	July 2011	D O F S	05/03/15	Medium	Moderate	Medium-High	Moderate-Major
MSA	R	330	12/07/2013	July 2011	D O F S	05/03/15	Medium	Moderate	Medium-High	Moderate-Major
MSA	C	17	12/07/2013	July 2011	D O F S	05/03/15	Low-Medium	Moderate	Medium	Moderate
MSA	R	328	12/07/2013	May 2009	D O F S	05/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	R	326	12/07/2013	May 2009	D O F S	05/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	R	324	12/07/2013	May 2009	D O F S	05/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	R	322	12/07/2013	May 2009	D O F S	05/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	R	320	12/07/2013	May 2009	D O F S	05/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	R	329	12/07/2013	May 2009	D O F S	05/03/15	Low-Negligible	Minor-Moderate	Low-Medium	Moderate
MSA	R	327	12/07/2013	May 2009	S	05/03/15	Low-Negligible	Minor-Moderate	Low-Medium	Moderate
MSA	R	325	12/07/2013	May 2009	D O F S	05/03/15	Low-Negligible	Minor-Moderate	Low-Medium	Moderate
MSA	R	323	12/07/2013	May 2009	D S	05/03/15	Low-Negligible	Minor-Moderate	Low-Medium	Moderate
MSA	R	321	12/07/2013	May 2009	D S	05/03/15	Low-Negligible	Minor-Moderate	Low-Medium	Moderate
MSA	R	321B	12/07/2013	July 2011	D O F S	05/03/15	Negligible	Negligible	Negligible	Negligible
MSA	C	16	12/07/2013	NO DATA	D F S	05/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	R	319	12/07/2013	July 2011	O F	05/03/15	Low	Minor-Moderate	Negligible	Negligible
MSA	R	318	12/07/2013	July 2011	D O F S	05/03/15	Low	Minor-Moderate	Negligible	Negligible
MSA	R	317	12/07/2013	July 2011	O F S	05/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	R	316	12/07/2013	May 2009	O F S	05/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	R	315	12/07/2013	May 2009	O F S	05/03/15	Medium	Moderate	Medium	Moderate
MSA	R	314	12/07/2013	July 2011	D F S	05/03/15	Medium	Moderate	Medium	Moderate
MSA	R	313	12/07/2013	July 2011	D F S	05/03/15	Low	Minor-Moderate	Low-Medium	Moderate
MSA	R	312	12/07/2013	July 2011	D F S	05/03/15	Low-Negligible	Minor-Moderate	Low	Minor-Moderate
MSA	B	60	12/07/2013	NO DATA	D F S	05/03/15	Medium	Moderate	Medium-High	Moderate-Major
MSA	R	305	12/07/2013	July 2011	D O F S	05/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	R	309	12/07/2013	July 2011	S	05/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	R	310	12/07/2013	July 2011	D F S	05/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	R	311	12/07/2013	July 2011	S	05/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	R	306	12/07/2013	July 2011	O F	05/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	R	308	12/07/2013	July 2011	O F S	05/03/15	Negligible	Negligible	Negligible	Negligible
MSA	R	307	12/07/2013	July 2011	S	05/03/15	Low	Minor-Moderate	Low-Medium	Moderate
MSA	B	56	12/07/2013	July 2011	S	05/03/15	Negligible	Negligible	Negligible	Negligible
MSA	R	297	12/07/2013	July 2011	S	05/03/15	Low	Minor-Moderate	Low-Medium	Moderate
MSA	R	301	12/07/2013	May 2009	S	05/03/15	Negligible	Negligible	Low-Medium	Moderate
MSA	R	300	12/07/2013	May 2009	O F S	05/03/15	Negligible	Negligible	Negligible	Negligible
MSA	C	15	12/07/2013	May 2009	O F S	05/03/15	Negligible	Negligible	Negligible	Negligible
MSA	R	304	12/07/2013	May 2009	D O F S	05/03/15	Negligible	Negligible	Negligible	Negligible
MSA	B	59	12/07/2013	May 2009	D O F	05/03/15	Negligible	Negligible	Negligible	Negligible
MSA	R	299	12/07/2013	July 2011	D O F	05/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	R	290	12/07/2013	July 2011	D O F	05/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	R	296	12/07/2013	July 2011	D O F S	05/03/15	Medium	Moderate	Medium	Moderate
MSA	R	303	12/07/2013	July 2011	D O F S	05/03/15	High	Major	High	Major
MSA	B	55	12/07/2013	July 2011	O F S	05/03/15	High	Major	High	Major
MSA	R	294	12/07/2013	July 2011	O F S	05/03/15	High	Major	High	Major
MSA	R	293	12/07/2013	July 2011	D O F S	05/03/15	Medium-High	Moderate-Major	Medium-High	Moderate-Major
MSA	R	291	12/07/2013	July 2011	O F S	05/03/15	Medium	Moderate	Medium	Moderate
MSA	R	292	12/07/2013	July 2011	D O F S	05/03/15	Low	Minor-Moderate	Low-Medium	Moderate
MSA	R	295	12/07/2013	July 2011	D O F	05/03/15	Low	Minor-Moderate	Low-Medium	Moderate
MSA	R	302	12/07/2013	July 2011	S	05/03/15	Medium	Moderate	Medium	Moderate
MSA	R	298	12/07/2013	July 2011	O F S	05/03/15	Low	Minor-Moderate	Low	Minor-Moderate
MSA	B	57	12/07/2013	NO DATA	O F S	05/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	R	284	12/07/2013	May 2009	D F S	05/03/15	Medium-High	Moderate-Major	Medium-High	Moderate-Major
MSA	R	285	12/07/2013	May 2009	O F S	05/03/15	Negligible	Negligible	Negligible	Negligible
MSA	R	288	12/07/2013	May 2009	D F S	05/03/15	Medium	Moderate	Medium	Moderate
MSA	B	58	12/07/2013	May 2009	D O F S	05/03/15	Low-Negligible	Minor-Moderate	Low-Negligible	Minor-Moderate
MSA	R	289	12/07/2013	May 2009	D O F S	05/03/15	Low	Minor-Moderate	Low	Minor-Moderate
MSA	R	286	12/07/2013	May 2009	D O F S	05/03/15	Medium	Moderate	Medium	Moderate
MSA	R	287	12/07/2013	May 2009	D O F S	05/03/15	Low	Minor-Moderate	Low	Minor-Moderate

Study Area	Property Type	Property ID	Google Earth Aerial photography date	Google Street View photography date	Nature of View	Review and verification on site	CONSTRUCTION		OPERATION	
							Magnitude of Change	Impact (Adverse)	Magnitude of Change	Impact (Adverse)
MSA	C	14	12/07/2013	May 2009	O F S	05/03/15	Medium	Moderate	Medium	Moderate
MSA	R	279	12/07/2013	May 2009	D O F S	05/03/15	Low-Medium	Moderate	Low-Medium	Moderate
MSA	R	280	12/07/2013	May 2009	D O F S	05/03/15	Low-Medium	Moderate	Low-Medium	Moderate
MSA	R	282	12/07/2013	May 2009	D O F S	05/03/15	Low-Medium	Moderate	Low-Medium	Moderate
MSA	R	276	12/07/2013	May 2009	S	05/03/15	Low-Medium	Moderate	Low-Medium	Moderate
MSA	C	13	12/07/2013	May 2009	O F S	05/03/15	Low	Minor-Moderate	Low	Minor-Moderate
MSA	R	270	12/07/2013	May 2009	O F S	05/03/15	Low-Medium	Minor-Moderate	Medium	Moderate
MSA	R	268	12/07/2013	May 2009	S	05/03/15	Medium	Moderate	Medium	Moderate
MSA	C	20	12/07/2013	May 2009	D O F S	05/03/15	Negligible	Negligible	Negligible	Negligible
MSA	C	12	12/07/2013	May 2009	O F S	05/03/15	Low-Negligible	Minor-Moderate	Low-Negligible	Minor-Moderate
MSA	R	269	12/07/2013	May 2009	S	05/03/15	Low	Minor-Moderate	Low	Minor-Moderate
MSA	C	11	12/07/2013	May 2009	D O F S	05/03/15	Negligible	Negligible	Negligible	Negligible
MSA	R	274	12/07/2013	May 2009	D O F S	05/03/15	Low	Minor-Moderate	Low	Minor-Moderate
MSA	B	51	12/07/2013	May 2009	O F S	05/03/15	Low	Minor-Moderate	Low	Minor-Moderate
MSA	R	271	12/07/2013	May 2009	O F S	05/03/15	Negligible	Negligible	Negligible	Negligible
MSA	R	273	12/07/2013	May 2009	D O F S	05/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	R	272	12/07/2013	NO DATA	O F S	05/03/15	Medium	Moderate	Medium-High	Moderate-Major
MSA	R	256	12/07/2013	May 2009	O F S	05/03/15	Medium	Moderate	Medium	Moderate
MSA	B	54	12/07/2013	May 2009	D O F S	05/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	R	254	12/07/2013	May 2009	D O F S	05/03/15	Medium	Moderate	Medium-High	Moderate-Major
MSA	R	255	12/07/2013	May 2009	D O F S	05/03/15	Medium	Moderate	Medium	Moderate
MSA	R	283	12/07/2013	NO DATA	D O F S	05/03/15	Low	Minor-Moderate	Medium-High	Moderate-Major
MSA	R	281	12/07/2013	NO DATA	S	05/03/15	Low	Minor-Moderate	Medium-High	Moderate-Major
MSA	R	277	12/07/2013	NO DATA	O F S	05/03/15	Low-Medium	Moderate	Medium-High	Moderate-Major
MSA	R	275	12/07/2013	NO DATA	O F S	05/03/15	Medium-High	Moderate-Major	Medium-High	Moderate-Major
MSA	R	278	12/07/2013	NO DATA	O F S	05/03/15	Medium-High	Moderate-Major	Medium-High	Moderate-Major
MSA	R	265	12/07/2013	Mar 2011	D O F S	05/03/15	Negligible	Negligible	Negligible	Negligible
MSA	B	50	12/07/2013	Mar 2011	D O F S	05/03/15	Low-Medium	Moderate	Medium	Moderate
MSA	B	52	12/07/2013	Mar 2011	D O F S	05/03/15	Medium	Moderate	Medium-High	Moderate-Major
MSA	R	267	12/07/2013	Mar 2011	O F S	05/03/15	Low-Negligible	Minor-Moderate	Low	Minor-Moderate
MSA	R	257	12/07/2013	Mar 2011	O F S	05/03/15	Medium	Moderate	Medium	Moderate
MSA	R	258	12/07/2013	Mar 2011	O F S	05/03/15	Low	Minor-Moderate	Low	Minor-Moderate
MSA	C	10	12/07/2013	Mar 2011	D O F S	05/03/15	Low	Minor-Moderate	Low	Minor-Moderate
MSA	R	264	12/07/2013	Mar 2011	O F S	04/03/15	Low-Negligible	Minor-Moderate	Low	Minor-Moderate
MSA	R	259	12/07/2013	Mar 2011	O F S	05/03/15	Medium	Moderate	Medium	Moderate
MSA	R	266	12/07/2013	Mar 2011	S	05/03/15	Medium	Moderate	Medium	Moderate
MSA	B	53	12/07/2013	Mar 2011	S	05/03/15	Medium	Moderate	Medium	Moderate
MSA	R	261	12/07/2013	Mar 2011	S	05/03/15	Medium	Moderate	Medium	Moderate
MSA	R	260	12/07/2013	Mar 2011	D O F S	05/03/15	Medium	Moderate	Medium	Moderate
MSA	B	49	12/07/2013	Mar 2011	S	05/03/15	Negligible	Negligible	Negligible	Negligible
MSA	R	262	12/07/2013	Mar 2011	D O F	05/03/15	Negligible	Negligible	Negligible	Negligible
MSA	R	263	12/07/2013	Mar 2011	D O F	05/03/15	Negligible	Negligible	Negligible	Negligible
MSA	R	252	12/07/2013	May 2009	O F S	05/03/15	Low	Minor-Moderate	Low	Minor-Moderate
MSA	R	249	12/07/2013	May 2009	D O F	05/03/15	Negligible	Negligible	Negligible	Negligible
MSA	R	250	12/07/2013	May 2009	O F	05/03/15	Medium-High	Moderate-Major	Medium-High	Moderate-Major
MSA	R	251	12/07/2013	May 2009	D O F	05/03/15	High	Major	Medium-High	Moderate-Major
MSA	R	253	12/07/2013	May 2009	D O F S	05/03/15	Medium-High	Moderate-Major	Medium-High	Moderate-Major
MSA	R	248	12/07/2013	May 2009	D O F S	05/03/15	High	Major	High	Major
MSA	R	246	12/07/2013	May 2009	D O F S	05/03/15	Medium-High	Moderate-Major	Medium-High	Moderate-Major
MSA	R	247	12/07/2013	May 2009	D O F S	05/03/15	Medium-High	Moderate-Major	Medium-High	Moderate-Major
MSA	R	240	12/07/2013	May 2009	D O F S	05/03/15	Medium	Moderate	Medium	Moderate
MSA	R	239	12/07/2013	May 2009	D O F S	05/03/15	Medium	Moderate	Medium	Moderate
MSA	R	238	12/07/2013	May 2009	D O F S	05/03/15	Low	Minor-Moderate	Low	Minor-Moderate
MSA	R	237	12/07/2013	May 2009	O F S	05/03/15	Low	Minor-Moderate	Low	Minor-Moderate
MSA	R	236	12/07/2013	May 2009	O F S	05/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	R	235	12/07/2013	May 2009	D O F S	05/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	R	234	12/07/2013	May 2009	D O F S	05/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	R	233	12/07/2013	May 2009	D O F S	05/03/15	Low-Negligible	Minor-Moderate	Low	Minor-Moderate
MSA	C	9	12/07/2013	May 2009	D O F S	05/03/15	Low-Negligible	Minor-Moderate	Low	Minor-Moderate
MSA	R	231	12/07/2013	July 2011	D O F S	05/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	B	46	12/07/2013	July 2011	D O F S	05/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	R	232	12/07/2013	July 2011	D O F S	05/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	R	245	12/07/2013	July 2011	O F S	05/03/15	Low-Medium	Moderate	Medium	Moderate
MSA	R	243	12/07/2013	July 2011	O F S	05/03/15	Low-Medium	Moderate	Medium	Moderate
MSA	R	241	12/07/2013	July 2011	O F S	05/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	R	244	12/07/2013	July 2011	D O F S	05/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	R	242	12/07/2013	July 2011	O F S	05/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	B	47	12/07/2013	July 2011	D O F S	05/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	B	48	12/07/2013	July 2011	O F S	05/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	R	229	12/07/2013	May 2009	D O F S	05/03/15	Medium	Moderate	Medium-High	Moderate-Major
MSA	R	230	12/07/2013	May 2009	D O F S	05/03/15	Medium	Moderate	Medium-High	Moderate-Major
MSA	R	224	12/07/2013	May 2009	D O F S	05/03/15	Medium	Moderate	Medium-High	Moderate-Major
MSA	R	222	12/07/2013	May 2009	D O F S	05/03/15	Medium	Moderate	Medium-High	Moderate-Major
MSA	R	221	12/07/2013	May 2009	D O F S	05/03/15	Medium	Moderate	Medium-High	Moderate-Major
MSA	R	220	12/07/2013	May 2009	D O F S	05/03/15	Medium	Moderate	Medium-High	Moderate-Major
MSA	R	223	12/07/2013	May 2009	O F S	05/03/15	Medium	Moderate	Medium-High	Moderate-Major
MSA	C	8	12/07/2013	May 2009	D O F S	05/03/15	Medium	Moderate	Medium	Moderate
MSA	R	216	12/07/2013	May 2009	O F S	05/03/15	Medium	Moderate	Medium-High	Moderate-Major
MSA	R	215	12/07/2013	May 2009	O F S	05/03/15	Low-Medium	Moderate	Medium	Moderate
MSA	R	213	12/07/2013	May 2009	D O F S	05/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	R	214	12/07/2013	May 2009	D O F S	05/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	R	217	12/07/2013	May 2009	O F S	05/03/15	Low-Medium	Moderate	Medium-High	Moderate-Major

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MSA	R	219	12/07/2013	May 2009	D O F S	05/03/15	Low-Medium	Moderate	Medium-High	Moderate-Major
MSA	R	218	12/07/2013	May 2009	D O F S	05/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	R	225	12/07/2013	May 2009	O F S	05/03/15	Medium	Moderate	Medium-High	Moderate-Major
MSA	R	228	12/07/2013	May 2009	O F S	05/03/15	Low	Minor-Moderate	Low-Medium	Moderate
MSA	R	227	12/07/2013	May 2009	O F S	05/03/15	Low	Minor-Moderate	Low-Medium	Moderate
MSA	R	226	12/07/2013	May 2009	D O F S	05/03/15	Low-Medium	Moderate	Medium	Moderate
MSA	R	212	12/07/2013	May 2009	D O F S	05/03/15	Low-Negligible	Minor-Moderate	Medium	Moderate
MSA	B	43	12/07/2013	May 2009	O F S	05/03/15	Low-Negligible	Minor-Moderate	Medium	Moderate
MSA	C	7	12/07/2013	May 2009	D O F S	05/03/15	Medium	Moderate	Medium	Moderate
MSA	B	45	12/07/2013	May 2009	D O F S	05/03/15	Medium	Moderate	Medium	Moderate
MSA	R	204	12/07/2013	May 2009	O F S	05/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	R	210	12/07/2013	May 2009	O F S	05/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	R	209	12/07/2013	May 2009	S	05/03/15	Negligible	Negligible	Low-Medium	Moderate
MSA	R	205	12/07/2013	May 2009	O F S	05/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	R	211	12/07/2013	May 2009	D O F S	05/03/15	Low-Negligible	Minor-Moderate	Medium	Moderate
MSA	R	207	12/07/2013	May 2009	O F S	05/03/15	Medium	Moderate	Medium	Moderate
MSA	R	208	12/07/2013	May 2009	O F S	05/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	B	44	12/07/2013	May 2009	S	05/03/15	Negligible	Negligible	Negligible	Negligible
MSA	R	206	12/07/2013	May 2009	O F S	05/03/15	Medium	Moderate	Medium	Moderate
MSA	C	6	12/07/2013	May 2009	O F S	05/03/15	Medium	Moderate	Medium	Moderate
MSA	R	202	12/07/2013	May 2009	O F S	05/03/15	Low	Minor-Moderate	Low-Medium	Moderate
MSA	R	203	12/07/2013	May 2009	O F S	05/03/15	Low	Minor-Moderate	Low-Medium	Moderate
MSA	R	201	12/07/2013	May 2009	O F S	05/03/15	Negligible	Negligible	Negligible	Negligible
MSA	R	200	12/07/2013	May 2009	O F S	05/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	R	194	12/07/2013	May 2009	O F S	05/03/15	Negligible	Negligible	Low	Minor-Moderate
MSA	R	195	12/07/2013	May 2009	O F S	05/03/15	Negligible	Negligible	Low-Negligible	Minor-Moderate
MSA	R	193	12/07/2013	May 2009	O F S	05/03/15	Negligible	Negligible	Low	Minor-Moderate
MSA	R	N1	12/07/2013	May 2009	O F S	05/03/15	Negligible	Negligible	Low	Minor-Moderate
MSA	R	N2	12/07/2013	May 2009	O F S	05/03/15	Negligible	Negligible	Low	Minor-Moderate
MSA	R	191	12/07/2013	May 2009	O F S	05/03/15	Low-Negligible	Minor-Moderate	Medium	Moderate
MSA	R	196	12/07/2013	May 2009	O F S	05/03/15	Negligible	Negligible	Low-Negligible	Minor-Moderate
MSA	R	192	12/07/2013	May 2009	O F S	05/03/15	Negligible	Negligible	Low-Medium	Moderate
MSA	R	186	12/07/2013	May 2009	D O F S	05/03/15	Low	Minor-Moderate	Low-Medium	Moderate
MSA	C	5	12/07/2013	May 2009	S	05/03/15	Negligible	Negligible	Low	Minor-Moderate
MSA	R	185	12/07/2013	Mar 2011	O F S	05/03/15	Negligible	Negligible	Low	Minor-Moderate
MSA	R	190	12/07/2013	July 2011	O F S	05/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	R	189	12/07/2013	July 2011	O F S	05/03/15	Low-Medium	Moderate	Medium	Moderate
MSA	R	188	12/07/2013	July 2011	S	05/03/15	Low-Medium	Moderate	Medium	Moderate
MSA	B	38	12/07/2013	July 2011	S	05/03/15	Negligible	Negligible	Negligible	Negligible
MSA	B	42	12/07/2013	July 2011	O F S	05/03/15	Negligible	Negligible	Low-Negligible	Minor-Moderate
MSA	R	199	12/07/2013	July 2011	O F S	05/03/15	Negligible	Negligible	Low-Negligible	Minor-Moderate
MSA	B	41	12/07/2013	July 2011	D O F S	05/03/15	Negligible	Negligible	Negligible	Negligible
MSA	R	197	12/07/2013	July 2011	O F S	05/03/15	Negligible	Negligible	Negligible	Negligible
MSA	B	40	12/07/2013	July 2011	O F S	05/03/15	Negligible	Negligible	Negligible	Negligible
MSA	R	187	12/07/2013	May 2009	O F S	05/03/15	Low-Medium	Moderate	Low	Minor-Moderate
MSA	R	184	12/07/2013	July 2011	O F S	05/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	C	4	12/07/2013	July 2011	S	05/03/15	Medium	Moderate	High	Major
MSA	R	182	12/07/2013	July 2011	S	05/03/15	Medium	Moderate	High	Major
MSA	R	183	12/07/2013	July 2011	O F S	05/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	R	179	12/07/2013	July 2011	S	05/03/15	Medium	Moderate	Medium-High	Moderate-Major
MSA	B	39	12/07/2013	NO DATA	O F S	05/03/15	Negligible	Negligible	Medium	Moderate
MSA	R	177	12/07/2013	NO DATA	D O F S	05/03/15	Negligible	Negligible	Negligible	Negligible
MSA	R	180	12/07/2013	May 2009	D O F S	05/03/15	Negligible	Negligible	Negligible	Negligible
MSA	R	198	12/07/2013	July 2011	O F S	05/03/15	Negligible	Negligible	Low	Minor-Moderate
MSA	R	181	12/07/2013	July 2011	D O F S	05/03/15	Negligible	Negligible	Negligible	Negligible
MSA	R	178	12/07/2013	July 2011	D O F S	05/03/15	Low-Negligible	Minor-Moderate	Low-Medium	Moderate
MSA	R	175	12/07/2013	NO DATA	D O F S	04/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	R	176	12/07/2013	May 2009	D O F S	04/03/15	Medium	Moderate	Medium-High	Moderate-Major
MSA	R	174	12/07/2013	May 2009	D O F S	04/03/15	High	Major	High	Major
MSA	R	173	12/07/2013	May 2009	D O F S	04/03/15	Medium-High	Moderate-Major	Medium-High	Moderate-Major
MSA	B	37	12/07/2013	Mar 2011	O F S	04/03/15	Negligible	Negligible	Medium	Moderate
MSA	R	166	12/07/2013	Mar 2011	D O F S	04/03/15	Negligible	Negligible	Medium	Moderate
MSA	R	169	12/07/2013	Mar 2011	D O F S	04/03/15	Negligible	Negligible	Medium	Moderate
MSA	R	167	12/07/2013	Mar 2011	O F S	04/03/15	Low	Minor-Moderate	Medium-High	Moderate-Major
MSA	R	170	12/07/2013	Mar 2011	O F S	04/03/15	Low	Minor-Moderate	High	Major
MSA	R	171	12/07/2013	Mar 2011	O F S	04/03/15	Medium	Moderate	Medium	Moderate
MSA	R	154	12/07/2013	Mar 2011	O F S	04/03/15	Low-Medium	Moderate	Medium	Moderate
MSA	R	156	12/07/2013	Mar 2011	D O F S	04/03/15	Medium	Moderate	Medium-High	Moderate-Major
MSA	R	155	12/07/2013	Mar 2011	D O F S	04/03/15	Negligible	Negligible	Medium	Moderate
MSA	R	N3	12/07/2013	Mar 2011	O F S	04/03/15	Low	Minor-Moderate	Low	Minor-Moderate
MSA	R	157	12/07/2013	Mar 2011	D O F S	04/03/15	Negligible	Negligible	Medium	Moderate
MSA	R	158	12/07/2013	Mar 2011	O F S	04/03/15	Negligible	Negligible	Low	Minor-Moderate
MSA	R	161	12/07/2013	Mar 2011	O F S	04/03/15	Negligible	Negligible	Low	Minor-Moderate
MSA	R	153	12/07/2013	Mar 2011	D O F S	04/03/15	Low-Medium	Moderate	Low	Minor-Moderate
MSA	R	151	12/07/2013	Mar 2011	D O F S	04/03/15	Medium	Moderate	Medium	Moderate
MSA	R	152	12/07/2013	Mar 2011	S	04/03/15	Medium	Moderate	Medium	Moderate
MSA	R	160	12/07/2013	Mar 2011	S	04/03/15	Medium	Moderate	Medium	Moderate
MSA	R	159	12/07/2013	Mar 2011	O F S	04/03/15	Low	Minor-Moderate	Low	Minor-Moderate
MSA	R	145	12/07/2013	Mar 2011	D O F S	04/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	R	148	12/07/2013	Mar 2011	O F S	04/03/15	Negligible	Negligible	Medium	Moderate
MSA	R	147	12/07/2013	Mar 2011	D O F S	04/03/15	Negligible	Negligible	Negligible	Negligible
MSA	R	146	12/07/2013	Mar 2011	O F S	04/03/15	Negligible	Negligible	Negligible	Negligible

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MSA	R	165	12/07/2013	May 2009	D O F S	04/03/15	Low	Minor-Moderate	Low	Minor-Moderate
MSA	R	168	12/07/2013	May 2009	D O F S	04/03/15	Negligible	Negligible	Low	Minor-Moderate
MSA	R	172	12/07/2013	May 2009	O F S	04/03/15	Negligible	Negligible	Low	Minor-Moderate
MSA	R	162	12/07/2013	May 2009	O F S	04/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	R	163	12/07/2013	May 2009	S	04/03/15	Low-Medium	Moderate	Medium	Moderate
MSA	R	164	12/07/2013	May 2009	D O F S	04/03/15	Medium	Moderate	Medium	Moderate
MSA	R	150	12/07/2013	May 2009	D O F S	04/03/15	Medium	Moderate	Medium	Moderate
MSA	R	149	12/07/2013	Mar 2011	O F S	04/03/15	Low-Negligible	Minor-Moderate	Low-Negligible	Minor-Moderate
MSA	R	147B	12/07/2013	May 2009	O F S	04/03/15	Medium	Moderate	Medium	Moderate
MSA	R	146B	12/07/2013	May 2009	O F S	04/03/15	Negligible	Negligible	Negligible	Negligible
MSA	R	150B	12/07/2013	May 2009	O F S	04/03/15	Negligible	Negligible	Negligible	Negligible
MSA	R	149B	12/07/2013	May 2009	D O F S	04/03/15	Negligible	Negligible	Low	Minor-Moderate
MSA	R	148B	12/07/2013	May 2009	S	04/03/15	Low-Medium	Moderate	Medium	Moderate
MSA	R	141	12/07/2013	May 2009	D O F S	04/03/15	Low-Medium	Moderate	Low	Minor-Moderate
MSA	R	142	12/07/2013	May 2009	S	04/03/15	Negligible	Negligible	Negligible	Negligible
MSA	R	144	12/07/2013	May 2009	O F S	04/03/15	Low	Minor-Moderate	Low	Minor-Moderate
MSA	R	143	12/07/2013	May 2009	O F S	04/03/15	Low-Medium	Moderate	Low-Medium	Moderate
MSA	B	33	12/07/2013	May 2009	O F S	04/03/15	Negligible	Negligible	Medium	Moderate
MSA	R	141	12/07/2013	May 2009	O F S	04/03/15	Negligible	Negligible	Negligible	Negligible
MSA	C	3	12/07/2013	May 2009	D O F S	04/03/15	Negligible	Negligible	Low	Minor-Moderate
MSA	R	138	12/07/2013	July 2011	O F S	04/03/15	Negligible	Negligible	Negligible	Negligible
MSA	R	136	12/07/2013	July 2011	O F S	04/03/15	Low	Minor-Moderate	Low-Medium	Moderate
MSA	R	135	12/07/2013	July 2011	O F S	04/03/15	Negligible	Negligible	Low-Medium	Moderate
MSA	R	134	12/07/2013	July 2011	O F S	04/03/15	Medium	Moderate	Medium-High	Moderate-Major
MSA	R	137	12/07/2013	July 2011	S	04/03/15	Medium	Moderate	Medium-High	Moderate-Major
MSA	B	35	12/07/2013	July 2011	S	04/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	R	133	12/07/2013	July 2011	S	04/03/15	Negligible	Negligible	Low	Minor-Moderate
MSA	R	132	12/07/2013	July 2011	S	04/03/15	Negligible	Negligible	Low	Minor-Moderate
MSA	C	2	12/07/2013	July 2011	O F S	04/03/15	Low	Minor-Moderate	Low	Minor-Moderate
MSA	R	129	12/07/2013	July 2011	O F S	04/03/15	Low-Negligible	Minor-Moderate	Low	Minor-Moderate
MSA	R	130	12/07/2013	July 2011	O F S	04/03/15	Negligible	Negligible	Negligible	Negligible
MSA	R	131	12/07/2013	July 2011	S	04/03/15	Negligible	Negligible	Negligible	Negligible
MSA	R	128	12/07/2013	NO DATA	S	04/03/15	Negligible	Negligible	Negligible	Negligible
MSA	R	121	12/07/2013	NO DATA	S	04/03/15	Negligible	Negligible	Negligible	Negligible
MSA	R	122	12/07/2013	NO DATA	O F S	04/03/15	Negligible	Negligible	Low	Minor-Moderate
MSA	R	133B	12/07/2013	Mar 2011	O F S	04/03/15	Low	Minor-Moderate	Low-Medium	Moderate
MSA	R	140	12/07/2013	Mar 2011	O F S	04/03/15	Negligible	Negligible	Low	Minor-Moderate
MSA	R	139	12/07/2013	Mar 2011	O F S	04/03/15	Negligible	Negligible	Negligible	Negligible
MSA	R	123	12/07/2013	Aug 2010	S	04/03/15	Negligible	Negligible	Negligible	Negligible
MSA	R	125	12/07/2013	Aug 2010	O F S	04/03/15	Negligible	Negligible	Negligible	Negligible
MSA	R	124	12/07/2013	Aug 2010	S	04/03/15	Negligible	Negligible	Low-Medium	Moderate
MSA	C	1	12/07/2013	Aug 2010	S	04/03/15	Negligible	Negligible	Low-Medium	Moderate
MSA	R	124B	12/07/2013	Aug 2010	S	04/03/15	Negligible	Negligible	Low-Medium	Moderate
MSA	R	127	12/07/2013	Aug 2010	S	04/03/15	Negligible	Negligible	Low-Medium	Moderate
MSA	R	126	12/07/2013	Aug 2010	S	04/03/15	Negligible	Negligible	Negligible	Negligible
MSA	R	117	12/07/2013	Aug 2010	D O F S	04/03/15	Negligible	Negligible	Low	Minor-Moderate
MSA	R	120	12/07/2013	Aug 2010	F S	04/03/15	Negligible	Negligible	Negligible	Negligible
MSA	R	119	12/07/2013	Aug 2010	D O F S	04/03/15	Negligible	Negligible	Negligible	Negligible
MSA	R	118	12/07/2013	Aug 2010	D O F S	04/03/15	Negligible	Negligible	Negligible	Negligible
MSA	R	114	12/07/2013	Aug 2010	S	04/03/15	Negligible	Negligible	Negligible	Negligible
MSA	R	116	12/07/2013	May 2009	O F S	04/03/15	Negligible	Negligible	Negligible	Negligible
MSA	R	115	12/07/2013	May 2009	O F S	04/03/15	Medium	Moderate	Medium	Moderate
MSA	B	34	12/07/2013	May 2009	O F S	04/03/15	Low-Medium	Moderate	Negligible	Negligible
MSA	R	109	12/07/2013	May 2009	O F S	04/03/15	High	Major	High	Major
MSA	R	110	12/07/2013	May 2009	S	04/03/15	Medium	Moderate	Medium	Moderate
MSA	R	111	12/07/2013	May 2009	D O F S	04/03/15	Negligible	Negligible	Negligible	Negligible
MSA	R	112	12/07/2013	May 2009	D O F S	04/03/15	Negligible	Negligible	Low	Minor-Moderate
MSA	R	113	12/07/2013	May 2009	D O F S	04/03/15	Low	Minor-Moderate	Low-Medium	Moderate
MSA	B	36	12/07/2013	May 2009	O F S	04/03/15	Negligible	Negligible	Low	Minor-Moderate
MSA	R	107	12/07/2013	May 2009	O F S	04/03/15	Negligible	Negligible	Low	Minor-Moderate
MSA	R	108	12/07/2013	NO DATA	O F S	04/03/15	Negligible	Negligible	Negligible	Negligible
MSA	R	106	12/07/2013	May 2009	O F S	04/03/15	Negligible	Negligible	Medium	Moderate
MSA	R	105	12/07/2013	May 2009	O F S	04/03/15	Medium	Moderate	Medium	Moderate
MSA	B	31	12/07/2013	May 2009	D O F S	04/03/15	Negligible	Negligible	Low	Minor-Moderate
MSA	B	32	12/07/2013	May 2009	O F S	04/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	R	105B	12/07/2013	May 2009	D O F S	04/03/15	Medium	Moderate	Medium	Moderate
MSA	B	30	12/07/2013	May 2009	D O F S	04/03/15	Medium	Moderate	Medium	Moderate
MSA	R	104	12/07/2013	Aug 2010	D O F S	04/03/15	Negligible	Negligible	Medium	Moderate
MSA	R	103	12/07/2013	Aug 2010	O F S	04/03/15	Negligible	Negligible	Medium	Moderate
MSA	R	102	12/07/2013	Aug 2010	D O F S	04/03/15	Negligible	Negligible	Low	Minor-Moderate
MSA	R	101	12/07/2013	NO DATA	D O F S	04/03/15	Low	Minor-Moderate	Low	Minor-Moderate
MSA	R	98	12/07/2013	May 2009	O F S	04/03/15	Low	Minor-Moderate	Low	Minor-Moderate
MSA	R	99	12/07/2013	May 2009	O F S	04/03/15	Medium	Moderate	Low-Medium	Moderate
MSA	B	27	12/07/2013	June 2009	O F S	04/03/15	Low-Negligible	Minor-Moderate	Medium	Moderate
MSA	R	100	12/07/2013	June 2009	D O F S	04/03/15	Medium-High	Moderate-Major	High	Major
MSA	B	29	12/07/2013	June 2009	S	04/03/15	Medium	Moderate	Medium	Moderate
MSA	B	28	12/07/2013	June 2009	O F S	04/03/15	Medium-High	Moderate-Major	Medium	Moderate
MSA	R	95	12/07/2013	June 2009	O F S	04/03/15	Negligible	Negligible	Low	Minor-Moderate
MSA	R	92	12/07/2013	June 2009	O F S	04/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	R	96	12/07/2013	June 2009	O F S	04/03/15	Negligible	Negligible	Low	Minor-Moderate
MSA	R	94	12/07/2013	June 2009	D O F S	04/03/15	Negligible	Negligible	Low	Minor-Moderate
MSA	R	97	12/07/2013	June 2009	D O F S	04/03/15	Negligible	Negligible	Low	Minor-Moderate

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							Magnitude of Change	Impact (Adverse)	Magnitude of Change	Impact (Adverse)
MSA	B	26	12/07/2013	June 2009	D O F S	04/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	R	93	12/07/2013	June 2009	D O F S	04/03/15	Negligible	Negligible	Negligible	Negligible
MSA	R	91	12/07/2013	June 2009	D O F S	04/03/15	Medium-High	Moderate-Major	Low	Minor-Moderate
MSA	R	89	12/07/2013	June 2009	D O F S	04/03/15	Medium-High	Moderate-Major	Low	Minor-Moderate
MSA	R	90	12/07/2013	June 2009	O F S	04/03/15	Medium-High	Moderate-Major	Low	Minor-Moderate
MSA	R	86	12/07/2013	June 2009	D O F S	04/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	R	87	12/07/2013	June 2009	D O F S	04/03/15	Medium-High	Moderate-Major	Medium	Moderate
MSA	B	22	12/07/2013	June 2009	D O F S	04/03/15	Medium-High	Moderate-Major	Medium-High	Moderate-Major
MSA	R	88	12/07/2013	June 2009	O F S	04/03/15	Medium-High	Moderate-Major	Medium-High	Moderate-Major
MSA	B	23	12/07/2013	May 2009	D O F S	04/03/15	Low	Minor-Moderate	Medium-High	Moderate-Major
MSA	R	80	12/07/2013	May 2009	O F S	04/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	R	85	12/07/2013	June 2009	D O F S	04/03/15	Low-Negligible	Minor-Moderate	Medium	Moderate
MSA	R	82	12/07/2013	June 2009	D O F S	04/03/15	Negligible	Negligible	Low	Minor-Moderate
MSA	R	81	12/07/2013	June 2009	D O F S	04/03/15	Negligible	Negligible	Medium	Moderate
MSA	R	84	12/07/2013	June 2009	D O F S	04/03/15	Negligible	Negligible	Low-Medium	Moderate
MSA	R	83	12/07/2013	June 2009	O F S	04/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	R	79	12/07/2013	June 2009	O F S	04/03/15	Low	Minor-Moderate	Medium-High	Moderate-Major
MSA	R	78	12/07/2013	May 2009	F S	04/03/15	Negligible	Negligible	Medium	Moderate
MSA	R	77	12/07/2013	May 2009	O F S	04/03/15	Negligible	Negligible	Low-Medium	Moderate
MSA	R	75	12/07/2013	May 2009	S	04/03/15	Negligible	Negligible	Medium	Moderate
MSA	R	76	12/07/2013	May 2009	O F S	04/03/15	Negligible	Negligible	Medium	Moderate
MSA	R	70	12/07/2013	May 2009	S	04/03/15	Low-Medium	Moderate	Medium	Moderate
MSA	R	71	12/07/2013	May 2009	S	04/03/15	Low-Medium	Moderate	Medium	Moderate
MSA	R	72	12/07/2013	May 2009	S	04/03/15	Low	Minor-Moderate	Low	Minor-Moderate
MSA	R	73	12/07/2013	June 2009	D O F S	04/03/15	Negligible	Negligible	Low-Negligible	Minor-Moderate
MSA	R	74	12/07/2013	June 2009	O F S	04/03/15	Negligible	Negligible	Low-Negligible	Minor-Moderate
MSA	B	24	12/07/2013	June 2009	D O F S	04/03/15	Negligible	Negligible	Low-Medium	Moderate
MSA	R	69	12/07/2013	June 2009	D O F S	04/03/15	Low-Medium	Moderate	Negligible	Negligible
MSA	R	68	12/07/2013	June 2009	O F S	04/03/15	Low-Medium	Moderate	Low-Medium	Moderate
MSA	R	67	12/07/2013	June 2009	D O F S	04/03/15	Low-Negligible	Minor-Moderate	Negligible	Negligible
MSA	R	65	12/07/2013	June 2009	S	04/03/15	Low-Medium	Moderate	Negligible	Negligible
MSA	B	25	12/07/2013	June 2009	O F S	04/03/15	Negligible	Negligible	Negligible	Negligible
MSA	R	66	12/07/2013	June 2009	D O F S	04/03/15	Negligible	Negligible	Negligible	Negligible
MSA	R	64	12/07/2013	June 2009	O F S	04/03/15	Medium	Moderate	Low-Medium	Moderate
MSA	R	63	12/07/2013	June 2009	O F S	04/03/15	Low	Minor-Moderate	Negligible	Negligible
MSA	R	62	12/07/2013	June 2009	O F S	04/03/15	Negligible	Negligible	Low-Negligible	Minor-Moderate
MSA	R	60	12/07/2013	June 2009	O F S	04/03/15	Negligible	Negligible	Low-Negligible	Minor-Moderate
MSA	R	61	12/07/2013	June 2009	D O F S	04/03/15	Low-Medium	Moderate	Medium	Moderate
MSA	R	56	12/07/2013	June 2009	O F S	04/03/15	Low-Negligible	Minor-Moderate	Low-Negligible	Minor-Moderate
MSA	B	21	12/07/2013	June 2009	S	04/03/15	Negligible	Negligible	Negligible	Negligible
MSA	R	57	12/07/2013	June 2009	O F S	04/03/15	Negligible	Negligible	Low	Minor-Moderate
MSA	R	58	12/07/2013	June 2009	O F S	04/03/15	Negligible	Negligible	Low-Medium	Moderate
MSA	R	59	12/07/2013	NO DATA	O F S	04/03/15	Medium	Moderate	High	Major
MSA	B	20	12/07/2013	June 2009	D F S	04/03/15	Low	Minor-Moderate	Low	Minor-Moderate
MSA	R	53	12/07/2013	June 2009	O F S	04/03/15	Negligible	Negligible	Low	Minor-Moderate
MSA	B	19	12/07/2013	June 2009	S	04/03/15	Negligible	Negligible	Low-Negligible	Minor-Moderate
MSA	R	54	12/07/2013	June 2009	O F S	04/03/15	Medium	Moderate	Medium	Moderate
MSA	R	52	12/07/2013	June 2009	O F S	04/03/15	Low-Medium	Moderate	Medium	Moderate
MSA	R	55	12/07/2013	June 2009	S	04/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	R	50	12/07/2013	June 2009	D O F S	04/03/15	Negligible	Negligible	Negligible	Negligible
MSA	R	51	12/07/2013	June 2009	S	04/03/15	Negligible	Negligible	Low	Minor-Moderate
MSA	R	49	12/07/2013	June 2009	D O F S	04/03/15	Low-Medium	Moderate	Medium	Moderate
MSA	B	18	12/07/2013	June 2009	O F S	04/03/15	Low	Minor-Moderate	Low	Minor-Moderate
MSA	R	46	12/07/2013	June 2009	O F S	04/03/15	Negligible	Negligible	Low-Negligible	Minor-Moderate
MSA	R	48	12/07/2013	June 2009	D O F S	04/03/15	Low-Medium	Moderate	Low-Medium	Moderate
MSA	R	45	12/07/2013	June 2009	D O F S	04/03/15	Low-Medium	Moderate	Negligible	Negligible
MSA	R	44	12/07/2013	June 2009	O F S	04/03/15	Negligible	Negligible	Low-Medium	Moderate
MSA	B	17	12/07/2013	June 2009	O F S	04/03/15	Negligible	Negligible	Low-Medium	Moderate
MSA	R	47	12/07/2013	June 2009	O F S	04/03/15	Negligible	Negligible	Negligible	Negligible
MSA	R	42	12/07/2013	June 2009	D O F S	04/03/15	Medium	Moderate	Medium	Moderate
MSA	R	41	12/07/2013	June 2009	O F S	04/03/15	Negligible	Negligible	Negligible	Negligible
MSA	R	40	12/07/2013	June 2009	F S	04/03/15	Medium	Moderate	Medium	Moderate
MSA	R	43	12/07/2013	June 2009	S	04/03/15	Negligible	Negligible	Low	Minor-Moderate
MSA	R	38	12/07/2013	June 2009	S	04/03/15	Negligible	Negligible	Medium-High	Moderate-Major
MSA	R	39	12/07/2013	June 2009	O F S	04/03/15	Low	Minor-Moderate	Medium-High	Moderate-Major
MSA	R	37	12/07/2013	June 2009	S	04/03/15	Medium	Moderate	Medium-High	Moderate-Major
MSA	B	16	12/07/2013	June 2009	S	04/03/15	Low	Minor-Moderate	Low-Medium	Moderate
MSA	R	36	12/07/2013	June 2009	O F S	04/03/15	Negligible	Negligible	Low	Minor-Moderate
MSA	R	35	12/07/2013	NO DATA	O F S	04/03/15	Low	Minor-Moderate	Low	Minor-Moderate
MSA	B	13	12/07/2013	July 2011	D O F S	04/03/15	Low	Minor-Moderate	Low	Minor-Moderate
MSA	R	31	12/07/2013	July 2011	O F S	04/03/15	Negligible	Negligible	Negligible	Negligible
MSA	R	30	12/07/2013	July 2011	O F S	04/03/15	Negligible	Negligible	Negligible	Negligible
MSA	R	33	12/07/2013	July 2011	O F S	04/03/15	Negligible	Negligible	Negligible	Negligible
MSA	R	34	12/07/2013	July 2011	O F S	04/03/15	Low	Minor-Moderate	Negligible	Negligible
MSA	R	32	12/07/2013	July 2011	D O F S	04/03/15	Low-Negligible	Minor-Moderate	Low-Medium	Moderate
MSA	R	29	12/07/2013	July 2011	O F S	04/03/15	Low-Negligible	Minor-Moderate	Negligible	Negligible
MSA	B	15	12/07/2013	May 2009	O F S	04/03/15	Negligible	Negligible	Negligible	Negligible
MSA	B	14	12/07/2013	May 2009	O F S	04/03/15	Low	Minor-Moderate	Low	Minor-Moderate
MSA	B	28	12/07/2013	May 2009	D O F S	04/03/15	Low	Minor-Moderate	Low	Minor-Moderate
MSA	R	28	12/07/2013	May 2009	O F S	04/03/15	Low	Minor-Moderate	Low	Minor-Moderate
MSA	R	27	12/07/2013	May 2009	D O F S	04/03/15	Low-Medium	Moderate	Low-Medium	Moderate
MSA	R	22	12/07/2013	May 2009	O F S	04/03/15	Negligible	Negligible	Low	Minor-Moderate

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							Magnitude of Change	Impact (Adverse)	Magnitude of Change	Impact (Adverse)
MSA	R	23	12/07/2013	May 2009	O F S	04/03/15	Negligible	Negligible	Low	Minor-Moderate
MSA	R	021B	12/07/2013	May 2009	D O F S	04/03/15	Negligible	Negligible	Low	Minor-Moderate
MSA	R	21	12/07/2013	May 2009	D O F S	04/03/15	Negligible	Negligible	Low	Minor-Moderate
MSA	R	19	12/07/2013	NO DATA	O F S	04/03/15	Negligible	Negligible	Low	Minor-Moderate
MSA	R	16	12/07/2013	May 2009	D O F S	04/03/15	Low	Minor-Moderate	Low	Minor-Moderate
MSA	R	18	12/07/2013	May 2009	D O F S	04/03/15	Low	Minor-Moderate	Low-Medium	Moderate
MSA	R	12	12/07/2013	May 2009	D O F S	04/03/15	Low	Minor-Moderate	Low-Medium	Moderate
MSA	B	9	12/07/2013	NO DATA	O F S	04/03/15	Low-Medium	Minor-Moderate	Medium	Moderate
MSA	B	11	12/07/2013	May 2009	D O F S	04/03/15	Medium	Moderate	Low	Minor-Moderate
MSA	B	10	12/07/2013	May 2009	D O F S	04/03/15	Medium	Moderate	Low	Minor-Moderate
MSA	B	12	12/07/2013	May 2009	D O F S	04/03/15	Low	Minor-Moderate	Low	Minor-Moderate
MSA	R	10	12/07/2013	NO DATA	D O F S	04/03/15	Negligible	Negligible	Low-Medium	Moderate
MSA	R	024B	12/07/2013	May 2009	S	04/03/15	Negligible	Negligible	Medium	Moderate
MSA	R	26	12/07/2013	May 2009	O F S	04/03/15	Negligible	Negligible	Medium	Moderate
MSA	R	25	12/07/2013	May 2009	D O F S	04/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	R	24	12/07/2013	May 2009	O F S	04/03/15	Negligible	Negligible	Medium	Moderate
MSA	R	9	12/07/2013	May 2009	S	04/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	R	20	12/07/2013	May 2009	D O F S	04/03/15	High	Major	Medium-High	Moderate-Major
MSA	R	13	12/07/2013	May 2009	D O F S	04/03/15	Medium-High	Moderate-Major	Medium-High	Moderate-Major
MSA	R	14	12/07/2013	May 2009	D O F S	04/03/15	Medium	Moderate	Medium-High	Moderate-Major
MSA	R	17	12/07/2013	May 2009	O F S	04/03/15	Medium	Moderate	Medium-High	Moderate-Major
MSA	R	8	12/07/2013	May 2009	O F S	04/03/15	Low	Minor-Moderate	Medium-High	Moderate-Major
MSA	R	15	12/07/2013	May 2009	D O F S	04/03/15	Negligible	Negligible	Negligible	Negligible
MSA	B	8	12/07/2013	July 2011	D O F S	04/03/15	Low	Minor-Moderate	Low-Medium	Moderate
MSA	R	11	12/07/2013	May 2009	O F S	04/03/15	Negligible	Negligible	Negligible	Negligible
MSA	B	7	12/07/2013	July 2011	D O F S	04/03/15	Negligible	Negligible	Low	Minor-Moderate
MSA	B	6	12/07/2013	July 2011	D O F S	04/03/15	Negligible	Negligible	Negligible	Negligible
MSA	R	7	19/04/2011	Aug 2010	O	04/03/15	Medium	Moderate	Medium	Moderate
MSA	R	6	19/04/2011	NO DATA	O F S	04/03/15	Negligible	Negligible	Negligible	Negligible
MSA	R	1	19/04/2011	May 2009	S	04/03/15	Low	Minor-Moderate	Medium	Moderate
MSA	R	3	19/04/2011	Aug 2010	D O F S	04/03/15	Low-Medium	Moderate	Medium	Moderate
MSA	R	4	19/04/2011	Aug 2010	S	04/03/15	Low-Medium	Moderate	Medium	Moderate
MSA	R	5	19/04/2011	Aug 2010	S	04/03/15	Negligible	Negligible	Low	Minor-Moderate
MSA	R	2	19/04/2011	June 2009	D O F S	04/03/15	Low	Minor-Moderate	Medium	Moderate
CMSA	B	170	19/04/2011	Aug 2010	D O F S	27/02/15	Negligible	Negligible	Medium	Moderate
CMSA	B	169	19/04/2011	May 2009	S	27/02/15	Low	Minor-Moderate	Medium	Moderate
CMSA	R	246	19/04/2011	May 2009	D O F S	27/02/15	Low	Minor-Moderate	Medium	Moderate
CMSA	B	172	19/04/2011	Aug 2010	O F S	27/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	B	171	19/04/2011	Aug 2010	O F S	27/02/15	Low	Minor-Moderate	Low	Minor-Moderate
CMSA	B	173	19/04/2011	Aug 2010	O F S	27/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	R	245	19/04/2011	May 2009	O F S	27/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	R	244	19/04/2011	May 2009	O F S	27/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	R	243	19/04/2011	May 2009	O F S	27/02/15	Medium	Moderate	Medium	Moderate
CMSA	R	240	19/04/2011	May 2009	S	27/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	R	238	19/04/2011	May 2009	D O F S	27/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	R	237	19/04/2011	May 2009	O F S	27/02/15	Negligible	Negligible	Medium	Moderate
CMSA	B	167	19/04/2011	June 2009	O F S	27/02/15	Low	Minor-Moderate	Medium	Moderate
CMSA	R	236	19/04/2011	June 2009	O F S	27/02/15	Low-Medium	Moderate	Negligible	Negligible
CMSA	R	242	19/04/2011	June 2009	O F S	27/02/15	Low	Minor-Moderate	Medium	Moderate
CMSA	R	239	19/04/2011	June 2009	O F S	27/02/15	Low	Minor-Moderate	Low	Minor-Moderate
CMSA	R	241	19/04/2011	June 2009	O F S	27/02/15	Low	Minor-Moderate	Medium	Moderate
CMSA	B	168	19/04/2011	June 2009	D O F S	27/02/15	Low	Minor-Moderate	Medium	Moderate
CMSA	U	20	11/04/2010	NO DATA	O F S	27/02/15	Negligible	Negligible	Low	Minor-Moderate
CMSA	B	166	11/04/2010	NO DATA	S	27/02/15	Negligible	Negligible	Medium	Moderate
CMSA	R	234	11/04/2010	June 2009	D O F S	27/02/15	Negligible	Negligible	Low-Negligible	Minor-Moderate
CMSA	R	235	11/04/2010	NO DATA	O F S	27/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	B	165	11/04/2010	NO DATA	O F S	27/02/15	Medium	Moderate	Medium	Moderate
CMSA	R	233	11/04/2010	NO DATA	D O F S	27/02/15	Medium	Moderate	Medium	Moderate
CMSA	R	232	11/04/2010	NO DATA	D O F S	27/02/15	Medium	Moderate	Medium	Moderate
CMSA	R	231	11/04/2010	NO DATA	D O F S	27/02/15	Medium	Moderate	Medium	Moderate
CMSA	U	18	11/04/2010	NO DATA	O F S	27/02/15	Negligible	Negligible	Low-Medium	Moderate
CMSA	B	164	11/04/2010	NO DATA	D O F S	27/02/15	Low	Minor-Moderate	Medium	Moderate
CMSA	R	230	11/04/2010	NO DATA	O F S	27/02/15	Low	Minor-Moderate	Medium	Moderate
CMSA	C	15	11/04/2010	June 2009	O F S	27/02/15	Low-Medium	Moderate	Low-Medium	Moderate
CMSA	C	16	11/04/2010	June 2009	D O F S	27/02/15	Low	Minor-Moderate	Medium	Moderate
CMSA	R	229	11/04/2010	June 2009	D O F S	27/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	R	228	11/04/2010	June 2009	D O F S	27/02/15	Low	Minor-Moderate	Medium	Moderate
CMSA	R	227	11/04/2010	June 2009	D O F S	27/02/15	Negligible	Negligible	Low	Minor-Moderate
CMSA	B	163	11/04/2010	June 2009	D O F S	27/02/15	Low	Minor-Moderate	Medium	Moderate
CMSA	R	226	11/04/2010	June 2009	O F S	27/02/15	Low	Minor-Moderate	Medium-High	Moderate-Major
CMSA	B	159	11/04/2010	June 2009	D O F S	27/02/15	Medium	Moderate	High	Major
CMSA	B	156	11/04/2010	June 2009	D O F S	27/02/15	Low	Minor-Moderate	Medium	Moderate
CMSA	B	157	11/04/2010	June 2009	D O F S	27/02/15	Low	Minor-Moderate	Medium	Moderate
CMSA	B	158	11/04/2010	June 2009	S	27/02/15	Medium	Moderate	Medium	Moderate
CMSA	R	223	11/04/2010	June 2009	O F S	27/02/15	Negligible	Negligible	Low-Medium	Moderate
CMSA	B	162	11/04/2010	June 2009	O F S	27/02/15	Negligible	Negligible	Low	Minor-Moderate
CMSA	B	161	11/04/2010	June 2009	O F S	27/02/15	Negligible	Negligible	Low	Minor-Moderate
CMSA	R	225	11/04/2010	June 2009	O F S	27/02/15	Negligible	Negligible	Low-Medium	Moderate
CMSA	B	160	11/04/2010	June 2009	O F S	27/02/15	Negligible	Negligible	Medium	Moderate
CMSA	R	224	11/04/2010	June 2009	O F S	27/02/15	Low	Minor-Moderate	Medium	Moderate
CMSA	B	155	11/04/2010	June 2009	S	27/02/15	Low-Medium	Moderate	Low	Minor-Moderate
CMSA	B	154	11/04/2010	June 2009	O F S	27/02/15	Low-Medium	Moderate	Low	Minor-Moderate

Study Area	Property Type	Property ID	Google Earth Aerial photography date	Google Street View photography date	Nature of View	Review and verification on site	CONSTRUCTION		OPERATION	
							Magnitude of Change	Impact (Adverse)	Magnitude of Change	Impact (Adverse)
CMSA	B	153	11/04/2010	June 2009	O F S	27/02/15	Negligible	Negligible	Low	Minor-Moderate
CMSA	B	152	11/04/2010	NO DATA	O F S	27/02/15	Medium	Moderate	Medium	Moderate
CMSA	B	150	11/04/2010	NO DATA	O F S	27/02/15	Low	Minor-Moderate	Medium	Moderate
CMSA	B	151	11/04/2010	June 2009	O F S	27/02/15	Negligible	Negligible	Medium	Moderate
CMSA	R	211	12/07/2013	June 2009	O F	27/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	R	221	11/04/2010	June 2009	O F S	27/02/15	Low	Minor-Moderate	Medium	Moderate
CMSA	R	220	11/04/2010	June 2009	D O F S	27/02/15	Low	Minor-Moderate	Medium	Moderate
CMSA	B	149	11/04/2010	June 2009	D O F S	27/02/15	Negligible	Negligible	Low	Minor-Moderate
CMSA	R	216	11/04/2010	June 2009	O F S	27/02/15	Low	Minor-Moderate	Medium	Moderate
CMSA	R	215	11/04/2010	June 2009	O F S	27/02/15	Low	Minor-Moderate	Low	Minor-Moderate
CMSA	R	213	11/04/2010	June 2009	D O F S	27/02/15	Negligible	Negligible	Low	Minor-Moderate
CMSA	R	212	11/04/2010	June 2009	O F S	27/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	R	219	11/04/2010	NO DATA	O F S	27/02/15	Low	Minor-Moderate	Low	Minor-Moderate
CMSA	R	218	11/04/2010	NO DATA	S	27/02/15	Negligible	Negligible	Low	Minor-Moderate
CMSA	R	217	11/04/2010	NO DATA	D O F S	27/02/15	Negligible	Negligible	Low	Minor-Moderate
CMSA	R	222	11/04/2010	NO DATA	S	27/02/15	Negligible	Negligible	Low	Minor-Moderate
CMSA	R	214	11/04/2010	NO DATA	S	27/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	B	148	11/04/2010	June 2009	O F S	27/02/15	Medium	Moderate	Medium-High	Moderate-Major
CMSA	R	210	11/04/2010	June 2009	D O F S	27/02/15	Negligible	Negligible	Low-Medium	Moderate
CMSA	R	209	12/07/2013	Mar 2010	D O F S	27/02/15	Negligible	Negligible	Low-Medium	Moderate
CMSA	R	208	12/07/2013	Mar 2010	D O F S	27/02/15	Low	Minor-Moderate	Medium	Moderate
CMSA	B	146	12/07/2013	Mar 2010	O F S	27/02/15	Negligible	Negligible	Low	Minor-Moderate
CMSA	R	207	12/07/2013	Mar 2010	O F S	27/02/15	Medium	Moderate	Medium	Moderate
CMSA	B	147	12/07/2013	NO DATA	O F S	27/02/15	Low	Minor-Moderate	Low-Medium	Moderate
CMSA	R	205	11/04/2010	May 2009	O F S	27/02/15	Negligible	Negligible	Low-Medium	Moderate
CMSA	R	204	11/04/2010	May 2009	O F S	27/02/15	Negligible	Negligible	Low-Medium	Moderate
CMSA	R	206	11/04/2010	May 2009	O F S	27/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	R	203	11/04/2010	NO DATA	S	27/02/15	Low-Negligible	Minor-Moderate	Medium	Moderate
CMSA	U	17	11/04/2010	May 2009	S	27/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	R	202	11/04/2010	May 2009	O F S	27/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	B	145	11/04/2010	May 2009	D O F S	27/02/15	Low	Minor-Moderate	Negligible	Negligible
CMSA	B	144	11/04/2010	May 2009	S	27/02/15	Negligible	Negligible	Low-Medium	Moderate
CMSA	B	143	11/04/2010	May 2009	S	27/02/15	Low	Minor-Moderate	Medium	Moderate
CMSA	B	142	11/04/2010	May 2009	O F S	27/02/15	High	Major	High	Major
CMSA	B	141	12/07/2013	May 2009	S	27/02/15	Low	Minor-Moderate	Medium	Moderate
CMSA	R	201	12/07/2013	May 2009	S	27/02/15	Low	Minor-Moderate	Medium	Moderate
CMSA	R	199	12/07/2013	May 2009	O F S	27/02/15	Low	Minor-Moderate	Medium	Moderate
CMSA	R	197	12/07/2013	May 2009	S	27/02/15	Low	Minor-Moderate	Medium	Moderate
CMSA	R	200	12/07/2013	May 2009	O F S	27/02/15	Negligible	Negligible	Low-Medium	Moderate
CMSA	R	198	12/07/2013	May 2009	D O F	27/02/15	Negligible	Negligible	Low-Medium	Moderate
CMSA	B	140	12/07/2013	May 2009	O F S	27/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	R	196	12/07/2013	May 2009	O F S	27/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	B	139	12/07/2013	May 2009	D O F S	27/02/15	Negligible	Negligible	Low	Minor-Moderate
CMSA	R	195	12/07/2013	May 2009	O F S	27/02/15	Negligible	Negligible	Low	Minor-Moderate
CMSA	R	194	12/07/2013	May 2009	S	27/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	R	193	12/07/2013	July 2011	D O F S	26/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	B	137	12/07/2013	July 2011	D O F S	26/02/15	Low	Minor-Moderate	Medium	Moderate
CMSA	R	192	12/07/2013	May 2009	O F S	26/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	C	14	12/07/2013	May 2009	O F S	26/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	R	191	12/07/2013	May 2009	O F S	26/02/15	Low	Minor-Moderate	Low	Minor-Moderate
CMSA	R	190	12/07/2013	May 2009	O F S	26/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	B	134	12/07/2013	May 2009	O F	26/02/15	Low	Minor-Moderate	Medium	Moderate
CMSA	R	187	12/07/2013	May 2009	O F S	26/02/15	Medium-High	Moderate-Major	Medium-High	Moderate-Major
CMSA	R	189	12/07/2013	July 2011	O F S	26/02/15	Medium	Moderate	Medium-High	Moderate-Major
CMSA	B	136	12/07/2013	July 2011	O F S	26/02/15	Low	Minor-Moderate	Medium	Moderate
CMSA	R	188	11/04/2010	July 2011	D O F S	26/02/15	Negligible	Negligible	Low	Minor-Moderate
CMSA	B	135	11/04/2010	July 2011	O F S	26/02/15	Negligible	Negligible	Low	Minor-Moderate
CMSA	U	16	11/04/2010	NO DATA	O F S	26/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	B	138	11/04/2010	NO DATA	D O F S	26/02/15	Negligible	Negligible	Medium	Moderate
CMSA	B	133	11/04/2010	NO DATA	S	26/02/15	Negligible	Negligible	Medium	Moderate
CMSA	R	180	12/07/2013	May 2009	O F S	26/02/15	Negligible	Negligible	Low	Minor-Moderate
CMSA	R	183	12/07/2013	May 2009	O F S	26/02/15	Negligible	Negligible	Low	Minor-Moderate
CMSA	R	186	12/07/2013	May 2009	S	26/02/15	Low	Minor-Moderate	Low-Medium	Moderate
CMSA	B	131	12/07/2013	Mar 2010	O F S	26/02/15	Medium	Moderate	Medium	Moderate
CMSA	B	132	12/07/2013	Mar 2010	S	26/02/15	Low	Minor-Moderate	Medium-High	Moderate-Major
CMSA	R	181	12/07/2013	May 2009	S	26/02/15	Low	Minor-Moderate	Medium	Moderate
CMSA	R	184	12/07/2013	May 2009	S	26/02/15	Low	Minor-Moderate	Medium	Moderate
CMSA	R	182	12/07/2013	May 2009	D O F S	26/02/15	Negligible	Negligible	Low-Medium	Moderate
CMSA	U	15	12/07/2013	May 2009	D O F S	26/02/15	Low	Minor-Moderate	Medium	Moderate
CMSA	R	185	12/07/2013	May 2009	D O F S	26/02/15	Negligible	Negligible	Low-Medium	Moderate
CMSA	B	130	12/07/2013	June 2009	D O F S	26/02/15	Negligible	Negligible	Low	Minor-Moderate
CMSA	B	129	12/07/2013	NO DATA	D O F S	26/02/15	Negligible	Negligible	Medium	Moderate
CMSA	R	179	12/07/2013	June 2009	D O F S	26/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	R	178	12/07/2013	May 2009	O F S	26/02/15	Low	Minor-Moderate	Medium	Moderate
CMSA	R	177	12/07/2013	May 2009	S	26/02/15	Negligible	Negligible	Low-Medium	Moderate
CMSA	U	13	12/07/2013	NO DATA	D O F S	26/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	R	173	12/07/2013	June 2009	O F S	26/02/15	Negligible	Negligible	Low-Negligible	Minor-Moderate
CMSA	R	169	12/07/2013	June 2009	S	26/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	R	170	12/07/2013	June 2009	O F S	26/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	R	171	12/07/2013	June 2009	S	26/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	B	128	12/07/2013	Mar 2010	O F S	26/02/15	Negligible	Negligible	Low-Medium	Moderate
CMSA	B	127	12/07/2013	Mar 2010	O F S	26/02/15	Negligible	Negligible	Low-Medium	Moderate

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							Magnitude of Change	Impact (Adverse)	Magnitude of Change	Impact (Adverse)
CMSA	R	176	12/07/2013	Mar 2010	D O F S	26/02/15	Negligible	Negligible	Low-Medium	Moderate
CMSA	R	175	12/07/2013	Mar 2010	O F S	26/02/15	Negligible	Negligible	Medium	Moderate
CMSA	B	126	12/07/2013	June 2009	D O F S	26/02/15	High	Major	Medium-High	Moderate-Major
CMSA	R	172	12/07/2013	June 2009	O F S	26/02/15	High	Major	High	Major
CMSA	R	174	12/07/2013	Mar 2010	O F S	26/02/15	Negligible	Negligible	Low	Minor-Moderate
CMSA	B	125	12/07/2013	June 2009	O F S	26/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	R	168	12/07/2013	NO DATA	O F S	26/02/15	Negligible	Negligible	Low-Medium	Moderate
CMSA	R	166	12/07/2013	NO DATA	S	26/02/15	Negligible	Negligible	Low	Minor-Moderate
CMSA	R	165	12/07/2013	June 2009	O F S	26/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	R	164	12/07/2013	June 2009	O F S	26/02/15	Medium	Moderate	Negligible	Negligible
CMSA	B	123	12/07/2013	June 2009	O F S	26/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	R	162	12/07/2013	June 2009	O F S	26/02/15	Low	Minor-Moderate	Medium	Moderate
CMSA	R	163	12/07/2013	June 2009	O F S	26/02/15	Negligible	Negligible	Low-Negligible	Minor-Moderate
CMSA	R	161	12/07/2013	June 2009	S	26/02/15	Medium-High	Moderate-Major	Medium-High	Moderate-Major
CMSA	R	159	12/07/2013	June 2009	O F S	26/02/15	Low	Minor-Moderate	Medium	Moderate
CMSA	R	160	12/07/2013	June 2009	S	26/02/15	Low	Minor-Moderate	Medium	Moderate
CMSA	R	167	12/07/2013	NO DATA	S	26/02/15	Negligible	Negligible	Low	Minor-Moderate
CMSA	R	158	12/07/2013	June 2009	S	26/02/15	Negligible	Negligible	Medium	Moderate
CMSA	B	124	12/07/2013	June 2009	S	26/02/15	Negligible	Negligible	Low	Minor-Moderate
CMSA	R	157	12/07/2013	NO DATA	S	26/02/15	Low	Minor-Moderate	Medium	Moderate
CMSA	R	156	12/07/2013	June 2009	S	26/02/15	Negligible	Negligible	Low	Minor-Moderate
CMSA	R	150	12/07/2013	NO DATA	S	26/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	R	149	12/07/2013	June 2011	O F S	26/02/15	Negligible	Negligible	Low	Minor-Moderate
CMSA	R	148	12/07/2013	June 2011	O F S	26/02/15	Medium	Moderate	Medium-High	Moderate-Major
CMSA	R	155	12/07/2013	June 2009	D O F S	26/02/15	Low-Negligible	Minor-Moderate	Medium	Moderate
CMSA	R	154	12/07/2013	June 2009	O F S	26/02/15	Low	Minor-Moderate	Medium	Moderate
CMSA	R	153	11/04/2010	June 2009	O F S	26/02/15	Negligible	Negligible	Medium	Moderate
CMSA	C	13	11/04/2010	June 2009	O F S	26/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	B	122	12/07/2013	NO DATA	D	26/02/15	Negligible	Negligible	Low-Medium	Moderate
CMSA	R	152	11/04/2010	June 2009	D O F S	26/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	R	151	11/04/2010	June 2009	D O F	26/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	U	12	11/04/2010	NO DATA	O F S	26/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	B	121	11/04/2010	June 2009	O F S	26/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	B	120	11/04/2010	June 2009	D O F S	26/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	C	12	11/04/2010	June 2009	O F S	26/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	C	11	11/04/2010	June 2009	S	26/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	R	147	11/04/2010	June 2011	S	26/02/15	Negligible	Negligible	Medium	Moderate
CMSA	B	119	11/04/2010	June 2011	D O F S	26/02/15	Low	Minor-Moderate	Medium-High	Moderate-Major
CMSA	R	146	11/04/2010	June 2011	D O F S	26/02/15	Negligible	Negligible	Medium	Moderate
CMSA	R	145	11/04/2010	May 2009	D O F S	26/02/15	Negligible	Negligible	Medium-High	Moderate-Major
CMSA	B	118	11/04/2010	NO DATA	O F S	26/02/15	Low-Negligible	Minor-Moderate	Medium	Moderate
CMSA	C	10	11/04/2010	May 2009	D O F S	26/02/15	Negligible	Negligible	Low-Medium	Moderate
CMSA	B	117	11/04/2010	July 2009	O F S	26/02/15	High	Major	High	Major
CMSA	B	116	11/04/2010	April 2010	D O F S	26/02/15	Negligible	Negligible	Medium	Moderate
CMSA	R	144	12/07/2013	July 2009	D O F S	26/02/15	Low	Minor-Moderate	Medium	Moderate
CMSA	B	115	11/04/2010	May 2009	D O F S	26/02/15	Low-Medium	Moderate	Medium	Moderate
CMSA	B	114	11/04/2010	May 2009	D O F S	26/02/15	Negligible	Negligible	Low-Medium	Moderate
CMSA	B	113	11/04/2010	May 2009	D O F S	26/02/15	Medium	Moderate	Medium-High	Moderate-Major
CMSA	R	141	11/04/2010	May 2009	O F S	26/02/15	Low	Minor-Moderate	Low-Negligible	Minor-Moderate
CMSA	R	142	12/07/2013	NO DATA	O F S	26/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	R	143	12/07/2013	NO DATA	O F S	26/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	B	112	11/04/2010	May 2009	O F S	26/02/15	Negligible	Negligible	Low	Minor-Moderate
CMSA	R	140	11/04/2010	NO DATA	D O F S	26/02/15	Medium	Moderate	Medium-High	Moderate-Major
CMSA	B	111	11/04/2010	NO DATA	O F S	26/02/15	Medium	Moderate	Medium-High	Moderate-Major
CMSA	R	139	11/04/2010	May 2009	O F S	26/02/15	Medium	Moderate	Medium-High	Moderate-Major
CMSA	R	138	11/04/2010	May 2009	O F S	26/02/15	Low	Minor-Moderate	Medium	Moderate
CMSA	B	106	11/04/2010	May 2009	O F S	26/02/15	Low	Minor-Moderate	Low-Medium	Moderate
CMSA	B	108	11/04/2010	May 2009	O F S	26/02/15	Low	Minor-Moderate	Low-Medium	Moderate
CMSA	B	107	11/04/2010	May 2009	O F S	26/02/15	Low-Medium	Moderate	Medium	Moderate
CMSA	R	134	12/07/2013	May 2009	F S	26/02/15	Medium	Moderate	Medium-High	Moderate-Major
CMSA	B	103	11/04/2010	May 2009	S	26/02/15	Low-Medium	Moderate	Medium-High	Moderate-Major
CMSA	B	104	12/07/2013	Aug 2009	O F S	26/02/15	Medium-High	Moderate-Major	High	Major
CMSA	R	129	12/07/2013	Aug 2009	O F S	26/02/15	Medium	Moderate	Medium	Moderate
CMSA	U	11	12/07/2013	NO DATA	D O F S	26/02/15	Medium-High	Moderate-Major	Medium-High	Moderate-Major
CMSA	R	130	12/07/2013	Aug 2009	O F S	26/02/15	Medium-High	Moderate-Major	Medium-High	Moderate-Major
CMSA	B	109	12/07/2013	May 2009	O F S	26/02/15	Negligible	Negligible	Medium	Moderate
CMSA	R	136	12/07/2013	May 2009	S	26/02/15	Negligible	Negligible	Medium	Moderate
CMSA	R	135	12/07/2013	Aug 2009	D O F S	26/02/15	Negligible	Negligible	Low-Medium	Moderate
CMSA	B	110	12/07/2013	Aug 2009	S	26/02/15	Negligible	Negligible	Low	Minor-Moderate
CMSA	R	137	12/07/2013	Aug 2009	O F S	26/02/15	Negligible	Negligible	Medium	Moderate
CMSA	B	105	12/07/2013	May 2009	D O F S	26/02/15	Negligible	Negligible	Low	Minor-Moderate
CMSA	R	133	12/07/2013	Aug 2009	O F S	26/02/15	Negligible	Negligible	Low-Negligible	Minor-Moderate
CMSA	R	131	12/07/2013	Aug 2009	O F S	26/02/15	Negligible	Negligible	Low-Medium	Moderate
CMSA	R	128	12/07/2013	Aug 2009	O F S	26/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	B	102	12/07/2013	June 2011	O F S	26/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	R	132	12/07/2013	June 2011	O F S	26/02/15	Negligible	Negligible	Low-Negligible	Minor-Moderate
CMSA	B	101	12/07/2013	Aug 2009	O F S	26/02/15	Negligible	Negligible	Low	Minor-Moderate
CMSA	R	127	12/07/2013	June 2011	D O F S	26/02/15	Negligible	Negligible	Low	Minor-Moderate
CMSA	B	100	12/07/2013	June 2011	O F S	26/02/15	Negligible	Negligible	Low	Minor-Moderate
CMSA	R	124	12/07/2013	June 2011	O F S	26/02/15	Negligible	Negligible	Low	Minor-Moderate
CMSA	R	123	12/07/2013	June 2011	D O F S	26/02/15	Negligible	Negligible	Medium	Moderate
CMSA	B	98	12/07/2013	June 2011	S	26/02/15	Negligible	Negligible	Negligible	Negligible

Study Area	Property Type	Property ID	Google Earth Aerial photography date	Google Street View photography date	Nature of View	Review and verification on site	CONSTRUCTION		OPERATION	
							Magnitude of Change	Impact (Adverse)	Magnitude of Change	Impact (Adverse)
CMSA	R	121	12/07/2013	June 2011	S	26/02/15	Low-Medium	Moderate	Medium	Moderate
CMSA	R	120	12/07/2013	June 2011	D O F S	26/02/15	Negligible	Negligible	Low	Minor-Moderate
CMSA	B	99	12/07/2013	May 2009	O F S	26/02/15	Medium	Moderate	Medium-High	Moderate-Major
CMSA	R	N1	12/07/2013	May 2009	S	26/02/15	Medium	Moderate	Medium-High	Moderate-Major
CMSA	R	126	12/07/2013	May 2009	O F S	26/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	R	122	12/07/2013	May 2009	O F S	26/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	R	125	12/07/2013	May 2009	O F S	26/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	R	119	12/07/2013	NO DATA	O F S	26/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	R	118	12/07/2013	NO DATA	D O F S	26/02/15	Negligible	Negligible	Low	Minor-Moderate
CMSA	R	117	12/07/2013	NO DATA	D O F S	26/02/15	Negligible	Negligible	Medium	Moderate
CMSA	B	97	12/07/2013	NO DATA	O F S	26/02/15	Medium	Moderate	Medium-High	Moderate-Major
CMSA	R	116	12/07/2013	NO DATA	S	26/02/15	Low	Minor-Moderate	Medium	Moderate
CMSA	R	115	12/07/2013	NO DATA	O F S	26/02/15	Negligible	Negligible	Low	Minor-Moderate
CMSA	B	96	12/07/2013	NO DATA	S	26/02/15	Negligible	Negligible	Medium	Moderate
CMSA	R	114	12/07/2013	NO DATA	O F S	26/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	R	110	12/07/2013	NO DATA	S	26/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	R	111	12/07/2013	NO DATA	O	26/02/15	Negligible	Negligible	Low	Minor-Moderate
CMSA	R	109	12/07/2013	May 2009	D O F S	26/02/15	Medium	Moderate	Medium	Moderate
CMSA	R	112	12/07/2013	NO DATA	O F S	26/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	R	113	12/07/2013	May 2009	O F S	26/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	B	95	12/07/2013	May 2009	O F S	26/02/15	Negligible	Negligible	Low	Minor-Moderate
CMSA	B	94	12/07/2013	May 2009	O F S	26/02/15	Negligible	Negligible	Low	Minor-Moderate
CMSA	B	93	12/07/2013	May 2009	O F S	26/02/15	Negligible	Negligible	Low	Minor-Moderate
CMSA	B	92	12/07/2013	May 2009	O F S	26/02/15	Medium	Moderate	Medium	Moderate
CMSA	B	91	12/07/2013	May 2009	O F S	26/02/15	Negligible	Negligible	Low	Minor-Moderate
CMSA	B	90	12/07/2013	May 2009	D O F S	26/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	R	108	12/07/2013	June 2009	O F S	26/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	R	106	12/07/2013	NO DATA	O F S	26/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	R	107	12/07/2013	July 2009	O F S	26/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	R	98	12/07/2013	May 2009	O F S	26/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	B	87	12/07/2013	May 2009	O F S	26/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	B	88	12/07/2013	May 2009	O F S	26/02/15	High	Major	High	Major
CMSA	R	104	12/07/2013	NO DATA	O F S	26/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	R	100	12/07/2013	May 2009	O F S	26/02/15	Negligible	Negligible	Medium	Moderate
CMSA	R	99	12/07/2013	May 2009	O F S	26/02/15	Negligible	Negligible	Medium	Moderate
CMSA	B	89	12/07/2013	May 2009	O F S	26/02/15	Negligible	Negligible	Low-Medium	Moderate
CMSA	R	101	12/07/2013	May 2009	O F S	26/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	R	102	12/07/2013	May 2009	D O F S	26/02/15	Negligible	Negligible	Low-Medium	Moderate
CMSA	R	103	12/07/2013	May 2009	D O F S	26/02/15	Negligible	Negligible	Low	Minor-Moderate
CMSA	R	105	12/07/2013	NO DATA	O F S	26/02/15	Negligible	Negligible	Low	Minor-Moderate
CMSA	R	N2	12/07/2013	NO DATA	D O F S	26/02/15	Low-Medium	Moderate	Low	Minor-Moderate
CMSA	R	N3	12/07/2013	NO DATA	O F S	26/02/15	Negligible	Negligible	Low	Minor-Moderate
CMSA	U	8	12/07/2013	NO DATA	O F S	26/02/15	Negligible	Negligible	Medium	Moderate
CMSA	C	9	12/07/2013	NO DATA	D O F S	26/02/15	Negligible	Negligible	Medium	Moderate
CMSA	B	84	11/04/2010	May 2009	D O F S	26/02/15	Negligible	Negligible	Low	Minor-Moderate
CMSA	B	85	11/04/2010	May 2009	S	26/02/15	Negligible	Negligible	Medium	Moderate
CMSA	B	83	11/04/2010	May 2009	S	26/02/15	Negligible	Negligible	Low-Medium	Moderate
CMSA	B	86	11/04/2010	May 2009	S	26/02/15	Low	Minor-Moderate	Medium	Moderate
CMSA	R	95	11/04/2010	May 2009	S	26/02/15	High	Major	High	Major
CMSA	R	96	11/04/2010	May 2009	S	26/02/15	Negligible	Negligible	Low	Minor-Moderate
CMSA	R	97	11/04/2010	May 2009	O F S	26/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	R	93	11/04/2010	July 2011	O F S	26/02/15	Medium	Moderate	Medium-High	Moderate-Major
CMSA	R	94	11/04/2010	July 2011	S	26/02/15	Medium	Moderate	Medium-High	Moderate-Major
CMSA	R	92	11/04/2010	July 2011	O F S	26/02/15	Medium	Minor-Moderate	Low	Minor-Moderate
CMSA	B	82	11/04/2010	July 2011	S	26/02/15	High	Major	High	Major
CMSA	B	81	11/04/2010	July 2011	O F S	26/02/15	Medium	Moderate	Medium-High	Moderate-Major
CMSA	R	91	11/04/2010	July 2011	O F S	26/02/15	Medium-High	Moderate-Major	High	Major
CMSA	R	90	11/04/2010	NO DATA	O F S	26/02/15	Negligible	Negligible	Medium	Moderate
CMSA	B	80	11/04/2010	July 2011	O F S	26/02/15	Negligible	Negligible	Low	Minor-Moderate
CMSA	R	87	11/04/2010	NO DATA	O F S	26/02/15	Negligible	Negligible	Low-Medium	Moderate
CMSA	R	86	11/04/2010	NO DATA	O F S	26/02/15	Negligible	Negligible	Low-Medium	Moderate
CMSA	R	85	11/04/2010	July 2011	D O F S	26/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	B	79	11/04/2010	July 2011	D O F S	26/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	R	84	11/04/2010	July 2011	D O F S	26/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	R	83	11/04/2010	July 2011	S	26/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	B	78	11/04/2010	July 2011	S	26/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	R	88	11/04/2010	NO DATA	S	26/02/15	Low	Minor-Moderate	Low	Minor-Moderate
CMSA	R	89	11/04/2010	NO DATA	D O F S	26/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	R	82	11/04/2010	July 2011	D O F S	26/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	C	8	11/04/2010	July 2011	D O F S	26/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	R	71	11/04/2010	May 2011	O F S	26/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	R	81	11/04/2010	May 2011	D O F S	26/02/15	Negligible	Negligible	Low	Minor-Moderate
CMSA	R	70	11/04/2010	June 2009	D O F S	26/02/15	Medium	Moderate	Medium	Moderate
CMSA	R	80	11/04/2010	May 2011	D O F S	26/02/15	Negligible	Negligible	Low	Minor-Moderate
CMSA	R	79	11/04/2010	May 2011	D O F S	26/02/15	Negligible	Negligible	Low	Minor-Moderate
CMSA	R	78	11/04/2010	May 2011	D O F S	26/02/15	Low-Medium	Minor-Moderate	Medium	Moderate
CMSA	R	77	11/04/2010	June 2009	D O F S	26/02/15	Low-Medium	Minor-Moderate	Medium-High	Moderate-Major
CMSA	R	76	11/04/2010	July 2011	D O F S	26/02/15	Negligible	Negligible	Medium	Moderate
CMSA	R	75	11/04/2010	July 2011	O F S	26/02/15	Negligible	Negligible	Low-Medium	Moderate
CMSA	C	7	11/04/2010	July 2011	D O F S	26/02/15	Negligible	Negligible	Low-Medium	Moderate
CMSA	R	74	11/04/2010	July 2011	D O F S	26/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	R	73	11/04/2010	July 2011	O F S	26/02/15	Negligible	Negligible	Negligible	Negligible

Study Area	Property Type	Property ID	Google Earth Aerial photography date	Google Street View photography date	Nature of View	Review and verification on site	CONSTRUCTION		OPERATION	
							Magnitude of Change	Impact (Adverse)	Magnitude of Change	Impact (Adverse)
CMSA	R	72	11/04/2010	July 2011	O F S	26/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	C	6	11/04/2010	July 2011	S	26/02/15	Negligible	Negligible	Low-Negligible	Minor-Moderate
CMSA	B	77	11/04/2010	July 2011	O F S	26/02/15	Negligible	Negligible	Medium	Moderate
CMSA	R	69	11/04/2010	July 2011	D O F S	26/02/15	Negligible	Negligible	Medium	Moderate
CMSA	R	68	11/04/2010	July 2011	O F S	26/02/15	Negligible	Negligible	Low	Minor-Moderate
CMSA	R	76	11/04/2010	July 2011	O F S	26/02/15	Low	Minor-Moderate	Low-Medium	Moderate
CMSA	B	67	11/04/2010	July 2011	S	26/02/15	Low	Minor-Moderate	Medium	Moderate
CMSA	R	66	11/04/2010	July 2011	O F S	26/02/15	Low-Medium	Minor-Moderate	Medium	Moderate
CMSA	R	65	11/04/2010	July 2011	O F S	26/02/15	Low-Medium	Minor-Moderate	Low-Medium	Moderate
CMSA	R	64	11/04/2010	July 2011	O F S	26/02/15	Low-Medium	Minor-Moderate	Medium	Moderate
CMSA	R	63	11/04/2010	July 2011	O F S	26/02/15	Negligible	Negligible	Low-Negligible	Minor-Moderate
CMSA	R	62	11/04/2010	July 2011	O F S	26/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	B	75	11/04/2010	NO DATA	D O F S	26/02/15	Medium	Moderate	Medium	Moderate
CMSA	R	61	11/04/2010	NO DATA	O F S	26/02/15	Medium	Moderate	Medium	Moderate
CMSA	R	60	11/04/2010	NO DATA	O F S	26/02/15	Medium	Moderate	Medium	Moderate
CMSA	B	74	11/04/2010	NO DATA	D O F S	26/02/15	Low-Medium	Minor-Moderate	Low-Medium	Moderate
CMSA	B	73	11/04/2010	NO DATA	O F S	26/02/15	Low-Medium	Minor-Moderate	Low-Medium	Moderate
CMSA	R	59	11/04/2010	NO DATA	O F	26/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	R	58	11/04/2010	Mar 2010	O F	26/02/15	Negligible	Negligible	Low	Minor-Moderate
CMSA	B	72	11/04/2010	May 2011	O F S	26/02/15	Negligible	Negligible	Medium	Moderate
CMSA	B	71	11/04/2010	May 2011	D F S	26/02/15	Negligible	Negligible	Low	Minor-Moderate
CMSA	R	57	11/04/2010	June 2009	O F	26/02/15	Negligible	Negligible	High	Major
CMSA	B	70	11/04/2010	May 2011	O F	26/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	R	55	11/04/2010	June 2009	D O F S	26/02/15	Low-Negligible	Minor-Moderate	Low-Medium	Moderate
CMSA	R	56	11/04/2010	June 2009	D F	26/02/15	Negligible	Negligible	Low-Medium	Moderate
CMSA	R	53	11/04/2010	June 2009	D S	26/02/15	Negligible	Negligible	Low-Medium	Moderate
CMSA	R	54	11/04/2010	June 2009	D F	26/02/15	Negligible	Negligible	Low	Minor-Moderate
CMSA	C	5	11/04/2010	June 2009	O F	26/02/15	Negligible	Negligible	Low-Negligible	Minor-Moderate
CMSA	R	52	11/04/2010	June 2009	O F	26/02/15	Low	Minor-Moderate	Medium	Moderate
CMSA	R	50	11/04/2010	NO DATA	D F	26/02/15	Medium	Moderate	Medium-High	Moderate-Major
CMSA	R	51	11/04/2010	June 2009	O F S	26/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	B	69	11/04/2010	NO DATA	O F S	26/02/15	Low	Minor-Moderate	Low	Minor-Moderate
CMSA	R	49	11/04/2010	NO DATA	O F S	26/02/15	Low-Medium	Moderate	Medium	Moderate
CMSA	B	1	11/04/2010	May 2011	O F	25/02/15	Negligible	Negligible	Medium	Moderate
CMSA	R	1	11/04/2010	May 2011	O F	25/02/15	Negligible	Negligible	Medium	Moderate
CMSA	B	2	11/04/2010	May 2011	S	25/02/15	Negligible	Negligible	Medium	Moderate
CMSA	B	3	11/04/2010	May 2011	D F	25/02/15	Medium-High	Moderate-Major	Medium	Moderate
CMSA	R	2	11/04/2010	NO DATA	S	25/02/15	Low-Medium	Moderate	Low	Minor-Moderate
CMSA	B	5	11/04/2010	May 2011	S	25/02/15	Negligible	Negligible	Low	Minor-Moderate
CMSA	R	3	11/04/2010	NO DATA	O F S	25/02/15	Medium	Moderate	Medium	Moderate
CMSA	B	4	11/04/2010	NO DATA	S	25/02/15	Medium	Moderate	Medium	Moderate
CMSA	C	1	11/04/2010	May 2011	O S	25/02/15	Low	Minor-Moderate	Low-Negligible	Minor-Moderate
CMSA	B	6	11/04/2010	May 2011	D F	25/02/15	Negligible	Negligible	Medium	Moderate
CMSA	B	7	11/04/2010	NO DATA	O F	25/02/15	Medium	Moderate	Medium-High	Moderate-Major
CMSA	B	8	11/04/2010	NO DATA	O F	25/02/15	Medium	Moderate	Medium-High	Moderate-Major
CMSA	R	5	11/04/2010	NO DATA	O F S	25/02/15	Medium	Moderate	Medium-High	Moderate-Major
CMSA	R	4	11/04/2010	May 2011	D F	25/02/15	Low	Minor-Moderate	Low	Minor-Moderate
CMSA	B	9	11/04/2010	May 2011	D F	25/02/15	Negligible	Negligible	Low	Minor-Moderate
CMSA	B	10	11/04/2010	May 2011	D F	25/02/15	Negligible	Negligible	Low	Minor-Moderate
CMSA	R	7	11/04/2010	May 2011	D O F S	25/02/15	Medium-High	Moderate-Major	High	Major
CMSA	B	11	11/04/2010	May 2011	O F S	25/02/15	Medium-High	Moderate-Major	High	Major
CMSA	R	8	11/04/2010	May 2011	D F	25/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	B	13	11/04/2010	NO DATA	S	25/02/15	Medium-High	Moderate-Major	High	Major
CMSA	R	10	11/04/2010	May 2011	D O F	25/02/15	Medium	Moderate	Medium-High	Moderate-Major
CMSA	R	11	11/04/2010	May 2009	D O F S	25/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	R	12	11/04/2010	May 2009	O F S	25/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	B	14	11/04/2010	May 2011	O F	25/02/15	Negligible	Negligible	Low	Minor-Moderate
CMSA	B	12	11/04/2010	May 2011	O F	25/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	R	6	11/04/2010	May 2011	O F	25/02/15	Negligible	Negligible	Low-Medium	Moderate
CMSA	B	16	11/04/2010	NO DATA	O F	25/02/15	Negligible	Negligible	Medium	Moderate
CMSA	R	9	11/04/2010	NO DATA	O F	25/02/15	Negligible	Negligible	Medium	Moderate
CMSA	B	15	11/04/2010	NO DATA	O F	25/02/15	Negligible	Negligible	Medium	Moderate
CMSA	B	17	11/04/2010	May 2011	D F S	25/02/15	Negligible	Negligible	Low	Minor-Moderate
CMSA	B	18	11/04/2010	May 2009	D O F	25/02/15	Medium	Moderate	Medium	Moderate
CMSA	R	13	11/04/2010	May 2009	D O F	25/02/15	Medium	Moderate	Medium	Moderate
CMSA	R	15	11/04/2010	May 2009	D F S	25/02/15	Low-Medium	Moderate	Low-Medium	Moderate
CMSA	R	N4	11/04/2010	NO DATA	O F	25/02/15	Low	Minor-Moderate	Medium	Moderate
CMSA	B	21	11/04/2010	May 2009	O F	25/02/15	Low-Negligible	Minor-Moderate	Low-Negligible	Minor-Moderate
CMSA	B	22	11/04/2010	May 2009	O F	25/02/15	Medium	Moderate	Medium	Moderate
CMSA	B	23	11/04/2010	May 2009	D F	25/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	U	2	11/04/2010	May 2009	O F S	25/02/15	Medium-High	Moderate-Major	Medium-High	Moderate-Major
CMSA	R	14	11/04/2010	NO DATA	D F	25/02/15	Medium-High	Moderate-Major	Medium-High	Moderate-Major
CMSA	R	16	11/04/2010	Mar 2010	O F S	25/02/15	Low-Negligible	Minor-Moderate	Low	Minor-Moderate
CMSA	B	19	11/04/2010	Mar 2010	O F S	25/02/15	Low	Minor-Moderate	Low	Minor-Moderate
CMSA	B	20	11/04/2010	Mar 2010	O F S	25/02/15	Negligible	Negligible	Medium	Moderate
CMSA	R	17	11/04/2010	Mar 2010	O F	25/02/15	Low	Minor-Moderate	Low	Minor-Moderate
CMSA	B	25	11/04/2010	May 2009	O F	25/02/15	Low	Minor-Moderate	Medium	Moderate
CMSA	R	19	11/04/2010	May 2009	D O	25/02/15	Low	Minor-Moderate	Medium	Moderate
CMSA	R	21	11/04/2010	May 2009	D O F	25/02/15	Low	Minor-Moderate	Medium	Moderate
CMSA	R	22	11/04/2010	May 2009	D	25/02/15	Low	Minor-Moderate	Medium	Moderate
CMSA	R	24	11/04/2010	May 2009	O F S	25/02/15	Low	Minor-Moderate	Medium	Moderate
CMSA	R	23	11/04/2010	May 2009	D O F S	25/02/15	Low	Minor-Moderate	Medium	Moderate

Study Area	Property Type	Property ID	Google Earth Aerial photography date	Google Street View photography date	Nature of View	Review and verification on site	CONSTRUCTION		OPERATION	
							Magnitude of Change	Impact (Adverse)	Magnitude of Change	Impact (Adverse)
CMSA	B	26	11/04/2010	May 2009	D O F	25/02/15	Negligible	Negligible	Medium	Moderate
CMSA	R	18	11/04/2010	May 2009	O F S	25/02/15	Negligible	Negligible	Medium	Moderate
CMSA	R	20	11/04/2010	May 2009	O F S	25/02/15	Negligible	Negligible	Medium	Moderate
CMSA	B	24	11/04/2010	May 2009	O F	25/02/15	Negligible	Negligible	Medium	Moderate
CMSA	R	25	11/04/2010	May 2011	O F S	25/02/15	Low	Minor-Moderate	Medium	Moderate
CMSA	B	28	11/04/2010	May 2009	O S	25/02/15	Negligible	Negligible	Low	Minor-Moderate
CMSA	R	31	11/04/2010	May 2009	O	25/02/15	Low	Minor-Moderate	Medium	Moderate
CMSA	B	27	11/04/2010	May 2009	O F S	25/02/15	Negligible	Negligible	Low-Medium	Moderate
CMSA	R	28	11/04/2010	May 2009	O F	26/02/15	Negligible	Negligible	Low-Negligible	Minor-Moderate
CMSA	R	26	11/04/2010	NO DATA	S	26/02/15	Negligible	Negligible	Low-Medium	Moderate
CMSA	R	32	11/04/2010	May 2009	O F S	26/02/15	Negligible	Negligible	Low	Minor-Moderate
CMSA	B	29	11/04/2010	May 2009	O F S	26/02/15	Negligible	Negligible	Medium	Moderate
CMSA	B	30	11/04/2010	May 2011	O F S	26/02/15	Low	Minor-Moderate	Medium-High	Moderate-Major
CMSA	R	27	11/04/2010	May 2011	O F S	26/02/15	Negligible	Negligible	Low	Minor-Moderate
CMSA	B	31	11/04/2010	Mar 2010	O F S	26/02/15	Medium	Moderate	High	Major
CMSA	R	30	11/04/2010	NO DATA	O S	26/02/15	Medium	Moderate	Medium	Moderate
CMSA	R	29	11/04/2010	NO DATA	O F	26/02/15	Medium	Moderate	Medium	Moderate
CMSA	B	33	11/04/2010	NO DATA	O F	26/02/15	Medium-High	Moderate-Major	High	Major
CMSA	R	33	11/04/2010	July 2009	S	26/02/15	Low	Minor-Moderate	Medium	Moderate
CMSA	B	32	11/04/2010	July 2009	O F	26/02/15	Low-Negligible	Minor-Moderate	Low-Medium	Moderate
CMSA	C	2	11/04/2010	July 2009	O F	26/02/15	Negligible	Negligible	Low-Negligible	Minor-Moderate
CMSA	R	34	11/04/2010	NO DATA	O	26/02/15	Negligible	Negligible	Medium	Moderate
CMSA	R	36	11/04/2010	NO DATA	O F S	26/02/15	Negligible	Negligible	Low-Medium	Moderate
CMSA	U	4	11/04/2010	NO DATA	O F S	26/02/15	Low-Negligible	Minor-Moderate	Low	Minor-Moderate
CMSA	B	37	11/04/2010	NO DATA	D	26/02/15	Medium-High	Moderate-Major	Medium-High	Moderate-Major
CMSA	R	35	11/04/2010	July 2009	O F S	26/02/15	Negligible	Negligible	Low-Negligible	Minor-Moderate
CMSA	B	34	11/04/2010	July 2009	S	26/02/15	Negligible	Negligible	Low-Medium	Moderate
CMSA	B	35	11/04/2010	July 2009	S	26/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	B	36	11/04/2010	July 2009	S	26/02/15	Negligible	Negligible	Low-Negligible	Minor-Moderate
CMSA	R	37	11/04/2010	NO DATA	O F S	26/02/15	Low	Minor-Moderate	Low-Medium	Moderate
CMSA	B	39	11/04/2010	July 2009	O F S	26/02/15	Low	Minor-Moderate	Low-Medium	Moderate
CMSA	B	38	11/04/2010	July 2009	O F S	26/02/15	Low-Medium	Moderate	Medium	Moderate
CMSA	B	41	11/04/2010	June 2009	O F S	26/02/15	Negligible	Negligible	Low	Minor-Moderate
CMSA	R	38	11/04/2010	May 2009	O F	26/02/15	Negligible	Negligible	Low	Minor-Moderate
CMSA	R	39	11/04/2010	May 2009	O F S	26/02/15	Low-Medium	Moderate	Medium	Moderate
CMSA	B	40	11/04/2010	NO DATA	O F S	26/02/15	Low-Medium	Moderate	Medium	Moderate
CMSA	B	42	11/04/2010	May 2009	O F S	26/02/15	Low	Minor-Moderate	Negligible	Negligible
CMSA	B	43	11/04/2010	May 2009	O F S	26/02/15	Negligible	Negligible	Low-Negligible	Minor-Moderate
CMSA	B	44	11/04/2010	May 2009	O F S	26/02/15	Negligible	Negligible	Low-Medium	Moderate
CMSA	B	50	11/04/2010	May 2009	S	26/02/15	Medium	Moderate	Medium-High	Moderate-Major
CMSA	B	47	11/04/2010	NO DATA	O F S	26/02/15	Negligible	Negligible	Low	Minor-Moderate
CMSA	B	48	11/04/2010	May 2009	O F S	26/02/15	Negligible	Negligible	Low	Minor-Moderate
CMSA	B	55	11/04/2010	Mar 2010	D O F S	26/02/15	Low	Minor-Moderate	Medium-High	Moderate-Major
CMSA	B	58	11/04/2010	Mar 2010	O F S	26/02/15	Low	Minor-Moderate	Medium	Moderate
CMSA	B	45	11/04/2010	July 2011	O F S	26/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	R	40	11/04/2010	July 2011	D O F S	26/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	R	41	11/04/2010	July 2011	O F	26/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	B	46	11/04/2010	July 2011	O F	26/02/15	Low	Minor-Moderate	Medium	Moderate
CMSA	C	3	11/04/2010	July 2011	O F	26/02/15	Low-Negligible	Minor-Moderate	Medium	Moderate
CMSA	R	42	11/04/2010	July 2011	O F S	26/02/15	Low-Negligible	Minor-Moderate	Medium	Moderate
CMSA	B	49	11/04/2010	July 2011	O F	26/02/15	Low-Negligible	Minor-Moderate	Low-Medium	Moderate
CMSA	B	51	11/04/2010	Mar 2010	O F	26/02/15	Medium	Moderate	Medium-High	Moderate-Major
CMSA	R	43	11/04/2010	July 2011	O F S	26/02/15	Negligible	Negligible	Medium	Moderate
CMSA	B	54	11/04/2010	July 2011	O F S	26/02/15	Negligible	Negligible	Low-Negligible	Minor-Moderate
CMSA	B	53	11/04/2010	July 2011	O F S	26/02/15	Negligible	Negligible	Low-Negligible	Minor-Moderate
CMSA	R	44	11/04/2010	July 2011	O F S	26/02/15	Negligible	Negligible	Low-Negligible	Minor-Moderate
CMSA	B	52	11/04/2010	July 2011	D O F S	26/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	U	5	11/04/2010	NO DATA	O F S	26/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	B	56	11/04/2010	July 2011	O F S	26/02/15	Low	Minor-Moderate	Low-Medium	Moderate
CMSA	B	57	11/04/2010	NO DATA	D O F S	26/02/15	Low-Medium	Moderate	Medium	Moderate
CMSA	U	7	11/04/2010	NO DATA	O F S	26/02/15	Low	Minor-Moderate	Medium-High	Moderate-Major
CMSA	B	59	11/04/2010	May 2011	O F S	26/02/15	Low-Medium	Moderate	Low-Medium	Moderate
CMSA	B	60	11/04/2010	May 2012	O F S	26/02/15	Negligible	Negligible	Low-Medium	Moderate
CMSA	R	P1	11/04/2010	NO DATA	D O F S	26/02/15	Medium	Moderate	High	Major
CMSA	B	61	11/04/2010	May 2013	S	26/02/15	Medium	Moderate	Medium-High	Moderate-Major
CMSA	B	62	11/04/2010	May 2014	S	26/02/15	Low-Medium	Moderate	Medium-High	Moderate-Major
CMSA	R	45	11/04/2010	May 2011	D O F S	26/02/15	Medium	Moderate	Medium-High	Moderate-Major
CMSA	B	63	11/04/2010	NO DATA	D O F S	26/02/15	Low-Negligible	Minor-Moderate	Medium	Moderate
CMSA	B	64	11/04/2010	June 2009	O F S	26/02/15	Medium	Moderate	Medium	Moderate
CMSA	B	65	11/04/2010	June 2009	D O F S	26/02/15	Low-Medium	Moderate	Medium	Moderate
CMSA	C	4	11/04/2010	NO DATA	O F S	26/02/15	Low-Negligible	Minor-Moderate	Medium	Moderate
CMSA	B	66	11/04/2010	June 2009	D O F S	26/02/15	Low-Medium	Moderate	Medium-High	Moderate-Major
CMSA	R	46	11/04/2010	June 2009	O F S	26/02/15	Negligible	Negligible	Medium	Moderate
CMSA	R	48	11/04/2010	June 2009	D F	26/02/15	Low	Minor-Moderate	Medium	Moderate
CMSA	R	P2	11/04/2010	NO DATA	O F S	26/02/15	Medium	Moderate	Medium-High	Moderate-Major
CMSA	R	47	11/04/2010	June 2009	O F S	26/02/15	Low	Minor-Moderate	Medium	Moderate
CMSA	B	67	11/04/2010	June 2009	O F S	26/02/15	Negligible	Negligible	Low-Medium	Moderate
CMSA	B	68	11/04/2010	NO DATA	O F S	26/02/15	Medium	Moderate	Medium	Moderate
CMSA	NI R	1	11/04/2010	NO DATA	O F S	25/02/15	Negligible	Negligible	Low-Medium	Moderate
CMSA	NI R	2	11/04/2010	NO DATA	O F S	25/02/15	Negligible	Negligible	Low-Medium	Moderate
CMSA	NI R	3	11/04/2010	May 2011	O F S	25/02/15	Negligible	Negligible	Low	Minor-Moderate
CMSA	NI R	4	11/04/2010	May 2011	O F S	25/02/15	Negligible	Negligible	Low	Minor-Moderate

Study Area	Property Type	Property ID	Google Earth Aerial photography date	Google Street View photography date	Nature of View	Review and verification on site	CONSTRUCTION		OPERATION	
							Magnitude of Change	Impact (Adverse)	Magnitude of Change	Impact (Adverse)
CMSA	NI R	5	11/04/2010	May 2011	O F S	25/02/15	Negligible	Negligible	Low-Medium	Moderate
CMSA	NI R	6	11/04/2010	May 2011	D O F S	25/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	NI R	7	11/04/2010	May 2011	S	25/02/15	Negligible	Negligible	Negligible	Negligible
CMSA	NI C	1	11/04/2010	May 2011	O F S	25/02/15	Negligible	Negligible	Low-Negligible	Minor-Moderate
CMSA	NI R	8	11/04/2010	May 2011	D O F S	25/02/15	Negligible	Negligible	Low	Minor-Moderate
CMSA	NI R	9	11/04/2010	NO DATA	O F S	25/02/15	Negligible	Negligible	Medium	Moderate
CMSA	NI R	10	11/04/2010	NO DATA	D O F S	25/02/15	Negligible	Negligible	Medium	Moderate
CMSA	J	61	11/04/2010	NO DATA	O F S	25/02/15	Low-Medium	Moderate	Medium	Moderate
CMSA	J	59	11/04/2010	May 2011	O F S	25/02/15	Negligible	Negligible	Low	Minor-Moderate
CMSA	J	60	11/04/2010	May 2011	O F S	25/02/15	Negligible	Negligible	Low	Minor-Moderate
CMSA	J	48	11/04/2010	May 2011	O F S	25/02/15	Negligible	Negligible	Low	Minor-Moderate
CMSA	R	18B	11/04/2010	May 2009	D O F S	25/02/15	Negligible	Negligible	Medium	Moderate
CMSA	B	68B	11/04/2010	NO DATA	D O F S	25/02/15	Medium	Moderate	Medium	Moderate

APPENDIX 2 RESIDENTIAL VISUAL IMPACT (RVIA) FIGURES (A1 SHEETS)

Cavan-Monaghan Study Area (CMSA): Figures 1 to 15

Meath Study Area (MSA): Figures 16 to 35



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