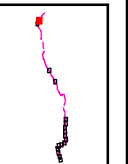
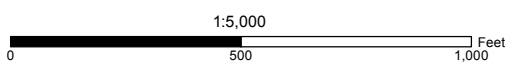


Figure A-5: Clay and Gabbroic Soils Map 1 of 17

Pipeline Safety & Reliability Project

- Milepost
- Proposed Project Route
- Cross-Tie Connector Line
- Permanent Impacts
- Aboveground Facility
- Laydown Area
- Temporary Impacts
- Workspace
- Biological Resource Survey Area
- City/County Boundary
- Soil Unit Boundary
- Clay Soil
- Gabbro Soil

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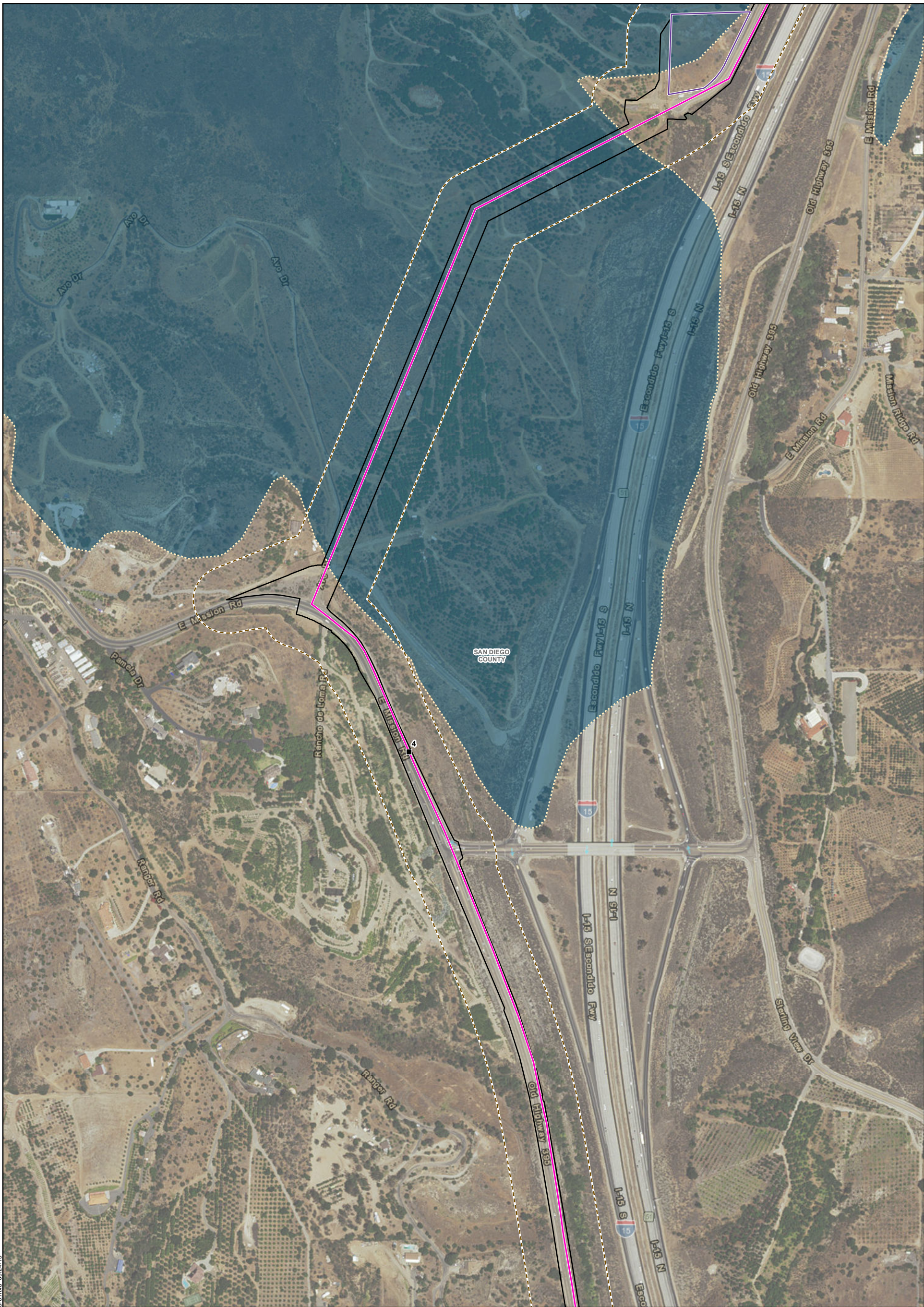
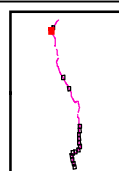


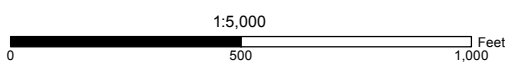
Figure A-5: Clay and Gabbroic Soils Map 2 of 17

Pipeline Safety & Reliability Project

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|----------------------------|--------------------------|--------------------------|-------------------------------------|------------------------|
| ■ Milepost | Permanent Impacts | Temporary Impacts | --- Biological Resource Survey Area | --- Soil Unit Boundary |
| — Proposed Project Route | ▭ Aboveground Facility | ▭ Laydown Area | ▭ City/County Boundary | ■ Clay Soil |
| — Cross-Tie Connector Line | ▭ Workspace | | | ■ Gabbro Soil |



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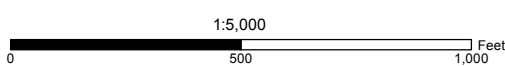
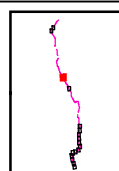


Figure A-5: Clay and Gabbroic Soils Map 3 of 17

Pipeline Safety & Reliability Project

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|----------------------------|--------------------------|--------------------------|-------------------------------------|------------------------|
| ■ Milepost | Permanent Impacts | Temporary Impacts | --- Biological Resource Survey Area | --- Soil Unit Boundary |
| — Proposed Project Route | ▭ Aboveground Facility | ▭ Laydown Area | ▭ City/County Boundary | ■ Clay Soil |
| — Cross-Tie Connector Line | | ▭ Workspace | | ■ Gabbro Soil |

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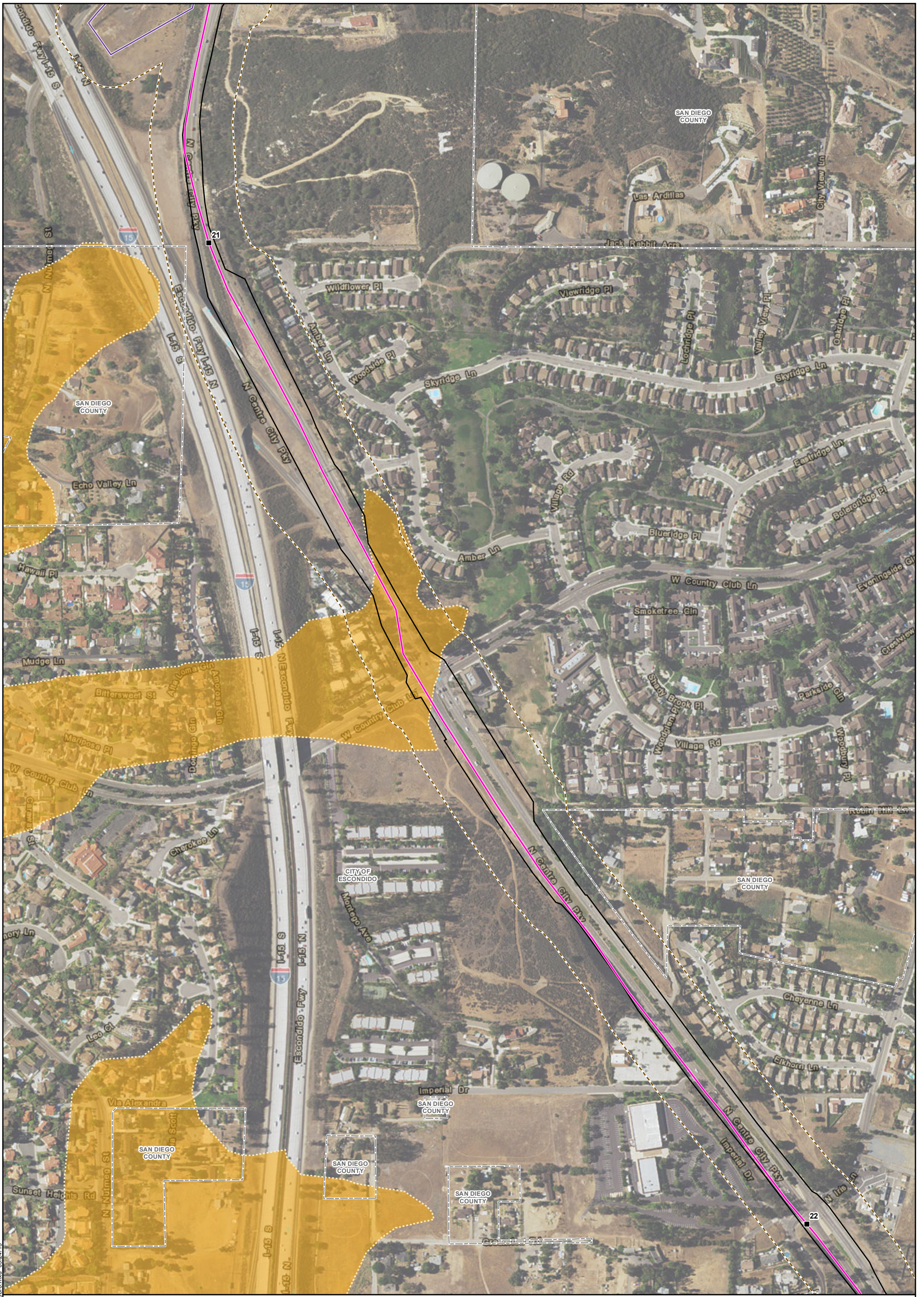
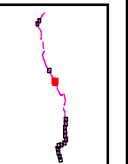
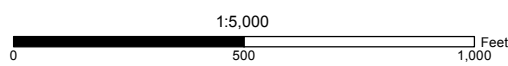


Figure A-5: Clay and Gabbroic Soils Map 4 of 17

Pipeline Safety & Reliability Project

- Milepost
- Proposed Project Route
- Cross-Tie Connector Line
- Permanent Impacts**
- ▭ Aboveground Facility
- Temporary Impacts**
- ▭ Laydown Area
- ▭ Workspace
- ▭ Biological Resource Survey Area
- ▭ City/County Boundary
- ▭ Soil Unit Boundary
- Clay Soil
- Gabbro Soil

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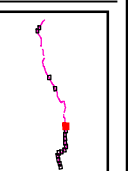
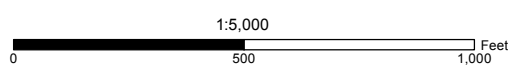
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Figure A-5: Clay and Gabbroic Soils Map 5 of 17

- Milepost
- Proposed Project Route
- Cross-Tie Connector Line
- Permanent Impacts
 - Aboveground Facility
- Temporary Impacts
 - Laydown Area
 - Workspace
- Biological Resource Survey Area
- City/County Boundary
- Soil Unit Boundary
- Clay Soil
- Gabbro Soil

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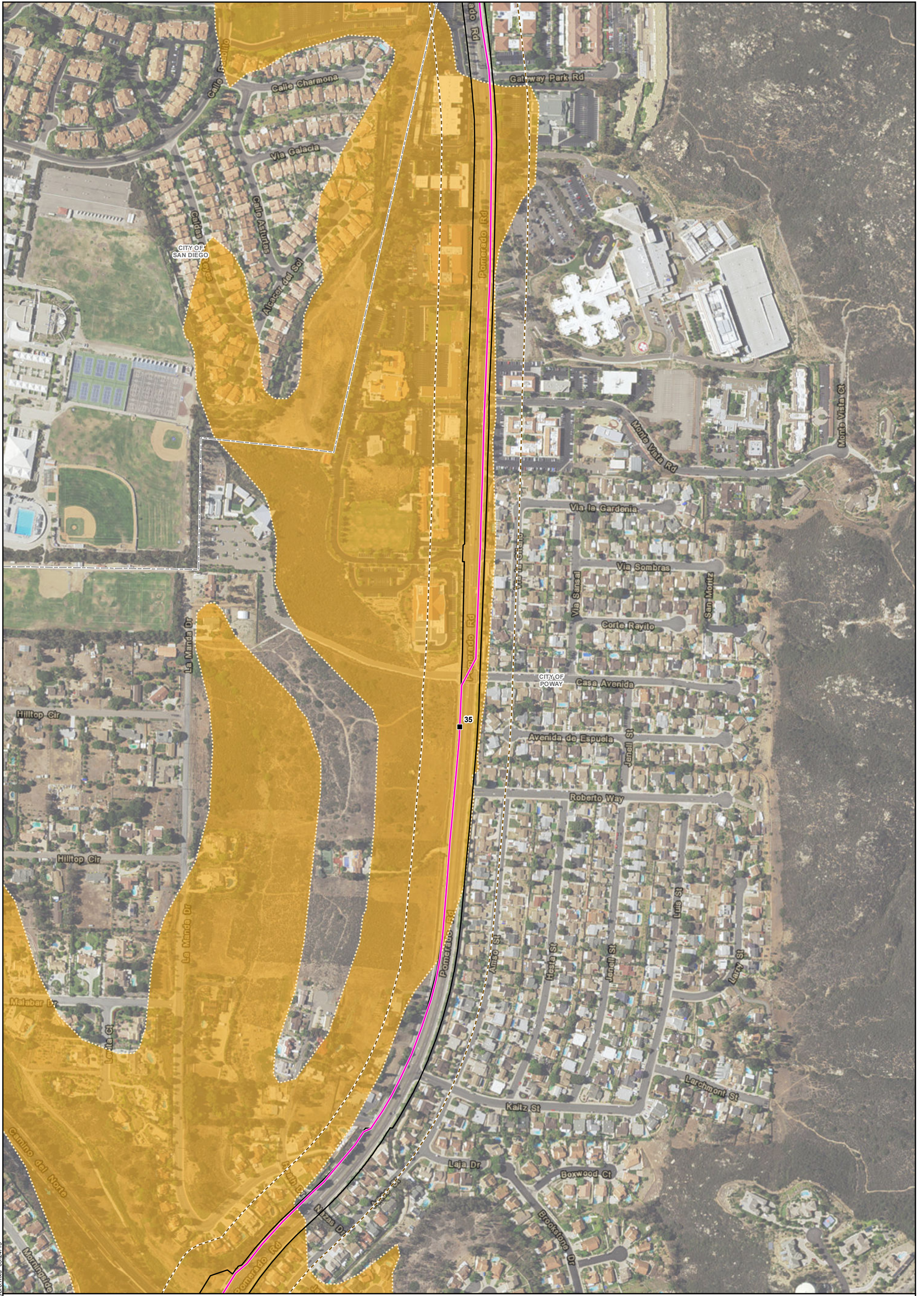
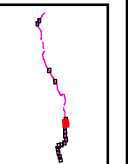
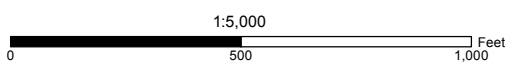


Figure A-5: Clay and Gabbroic Soils Map 6 of 17

- Milepost
- Proposed Project Route
- Cross-Tie Connector Line
- Permanent Impacts
 - ▣ Aboveground Facility
- Temporary Impacts
 - ▣ Laydown Area
 - ▣ Workspace
- ▣ Biological Resource Survey Area
- ▣ City/County Boundary
- ▣ Soil Unit Boundary
- ▣ Clay Soil
- ▣ Gabbro Soil

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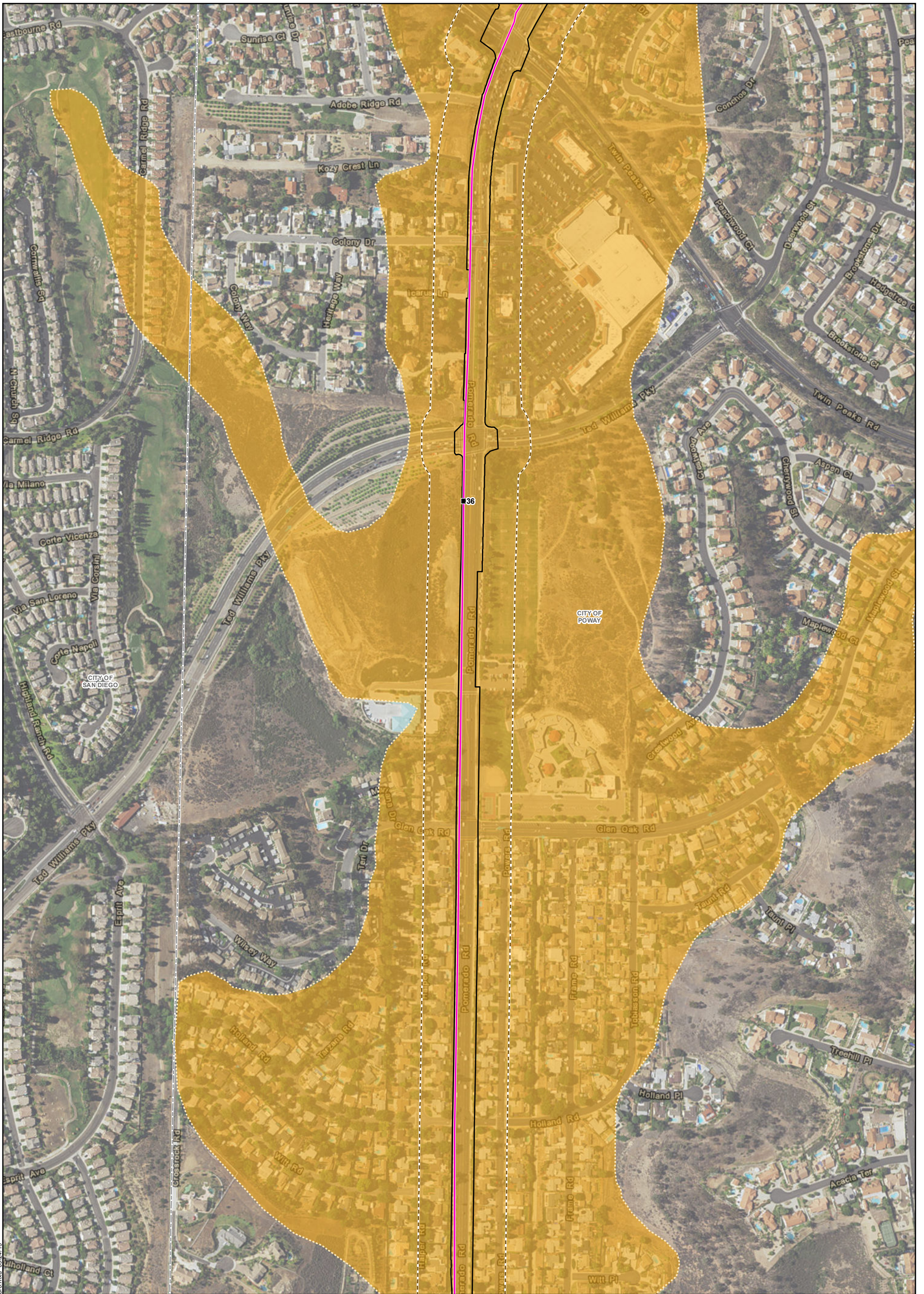
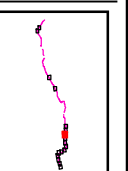
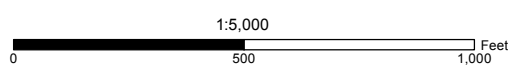


Figure A-5: Clay and Gabbroic Soils Map 7 of 17

Pipeline Safety & Reliability Project

- Milepost
- Proposed Project Route
- Cross-Tie Connector Line
- Permanent Impacts
- Aboveground Facility
- Temporary Impacts
- Laydown Area
- Workspace
- Biological Resource Survey Area
- City/County Boundary
- Soil Unit Boundary
- Clay Soil
- Gabbro Soil

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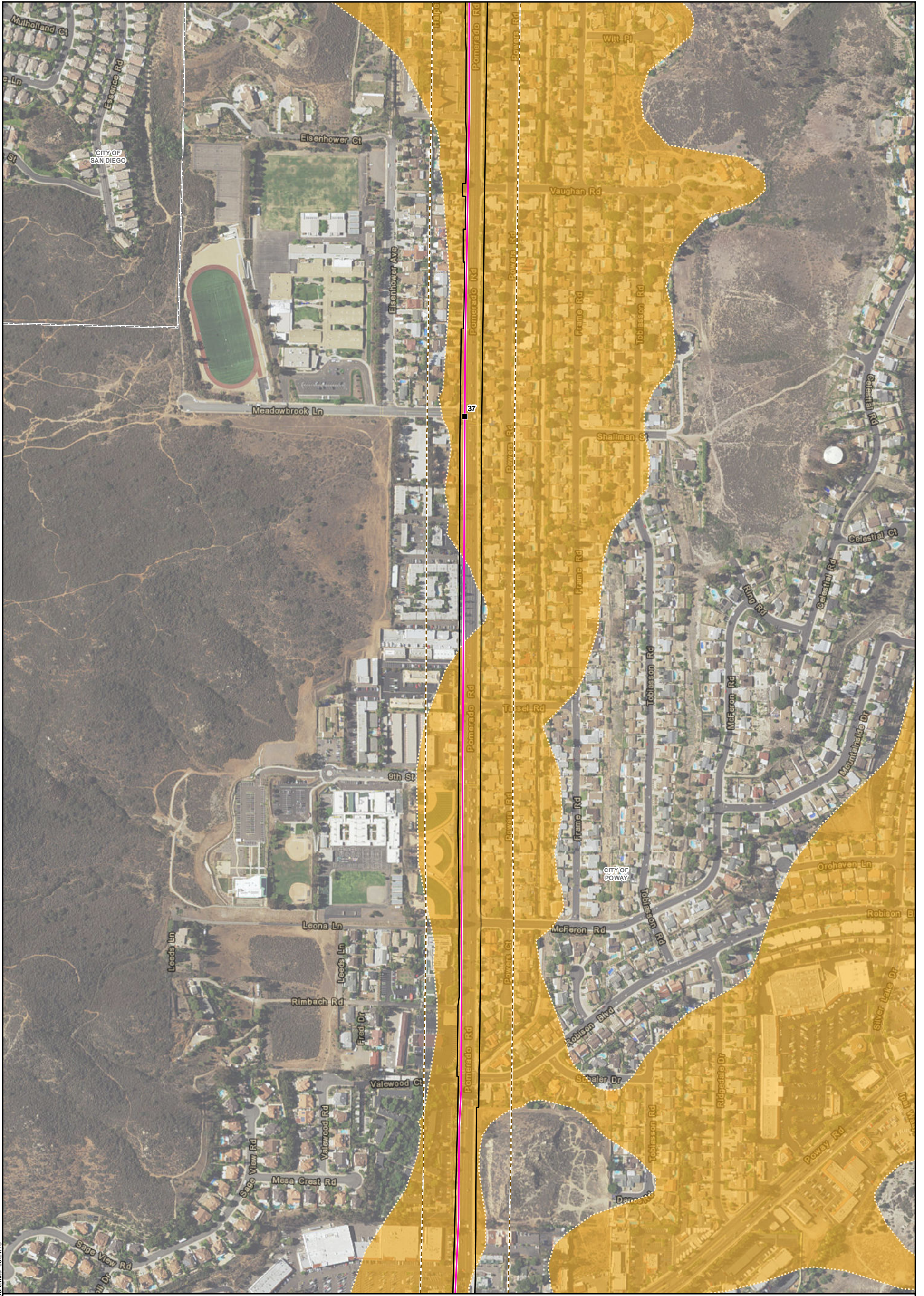
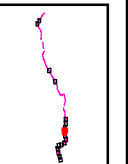
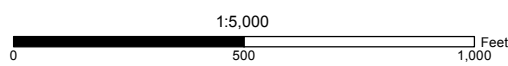


Figure A-5: Clay and Gabbroic Soils Map 8 of 17

Pipeline Safety & Reliability Project

- Milepost
- Proposed Project Route
- Cross-Tie Connector Line
- Permanent Impacts
 - ▭ Aboveground Facility
 - ▭ Laydown Area
 - ▭ Workspace
- Temporary Impacts
 - ▭ Biological Resource Survey Area
 - ▭ City/County Boundary
- Soil Unit Boundary
 - ▭ Clay Soil
 - ▭ Gabbro Soil

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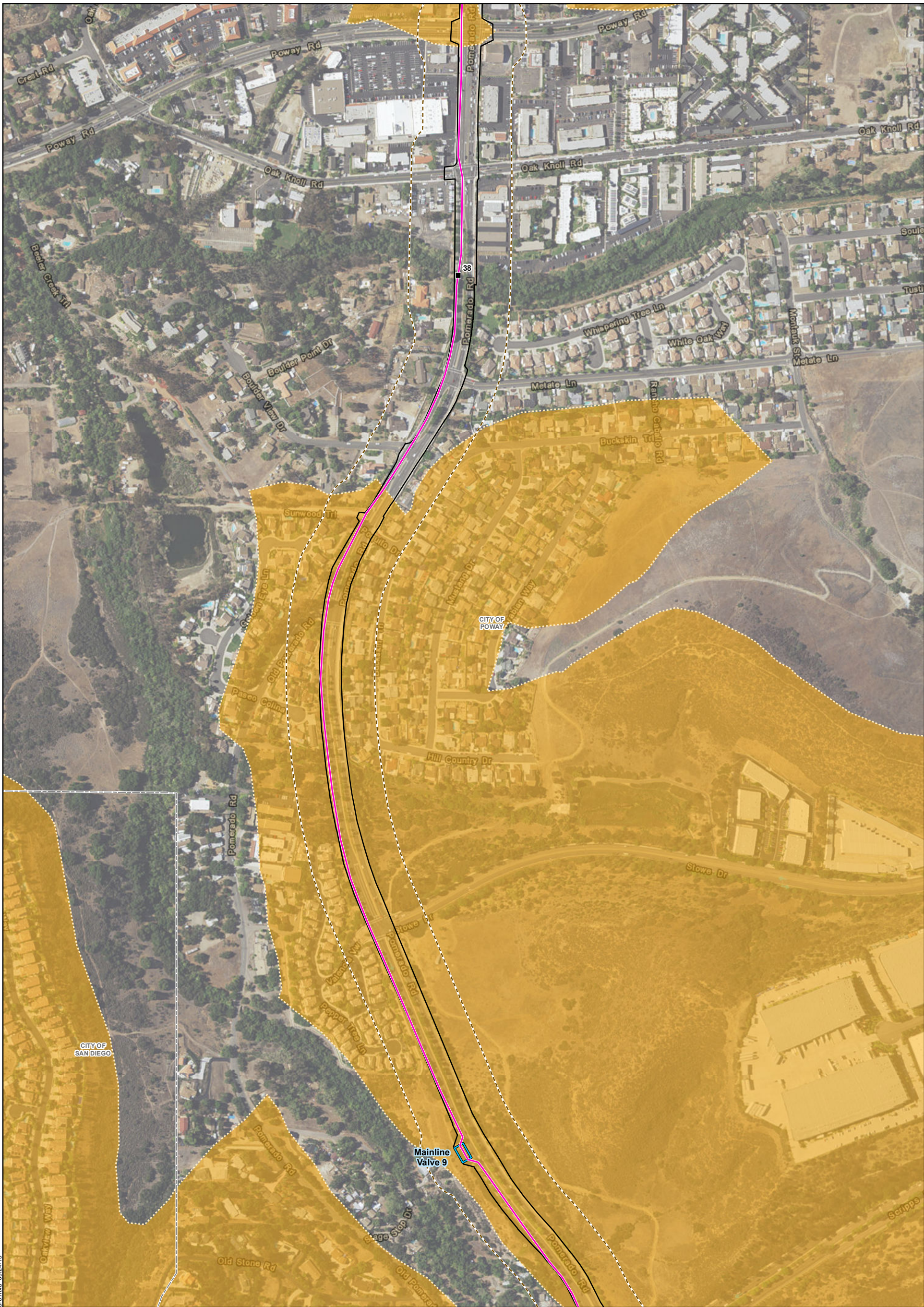
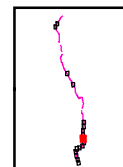
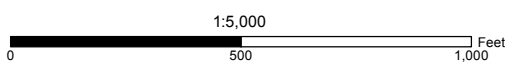


Figure A-5: Clay and Gabbroic Soils Map 9 of 17

- Milepost
- Proposed Project Route
- Cross-Tie Connector Line
- Permanent Impacts**
- ▭ Aboveground Facility
- Temporary Impacts**
- ▭ Laydown Area
- ▭ Workspace
- ▭ Biological Resource Survey Area
- ▭ City/County Boundary
- ▭ Soil Unit Boundary
- Clay Soil
- Gabbro Soil

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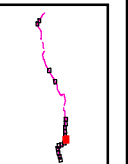
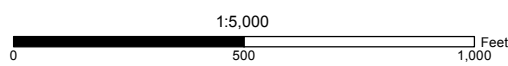
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Figure A-5: Clay and Gabbroic Soils Map 10 of 17

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|----------------------------|--------------------------|--------------------------|-------------------------------------|------------------------|
| ■ Milepost | Permanent Impacts | Temporary Impacts | --- Biological Resource Survey Area | --- Soil Unit Boundary |
| — Proposed Project Route | ▭ Aboveground Facility | ▭ Laydown Area | ▭ City/County Boundary | ■ Clay Soil |
| — Cross-Tie Connector Line | ▭ Workspace | | | ■ Gabbro Soil |

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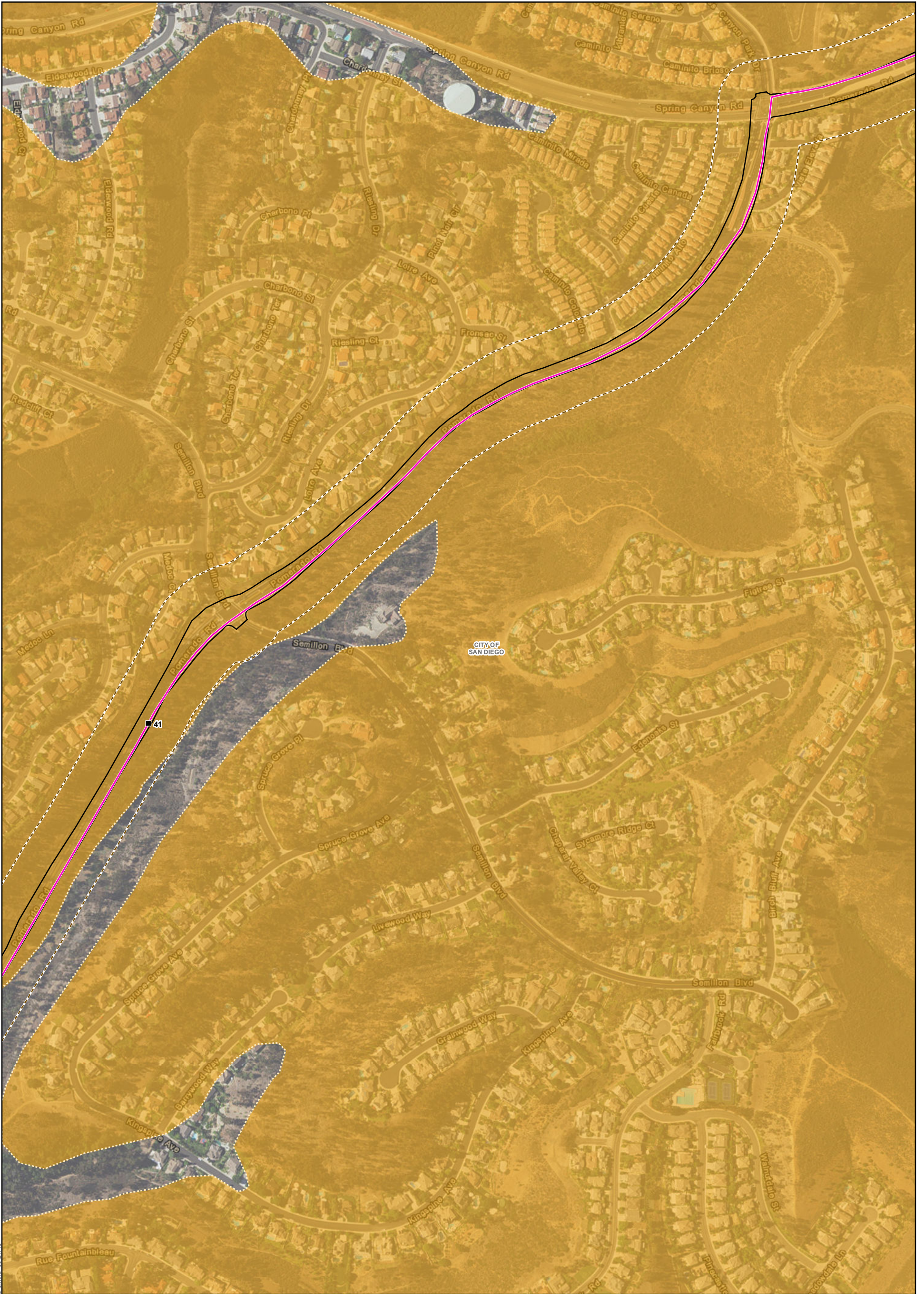
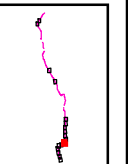
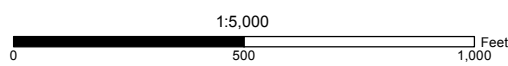


Figure A-5: Clay and Gabbroic Soils Map 11 of 17

- Milepost
- Proposed Project Route
- Cross-Tie Connector Line
- Permanent Impacts
 - Aboveground Facility
- Temporary Impacts
 - Laydown Area
 - Workspace
- Biological Resource Survey Area
- City/County Boundary
- Soil Unit Boundary
- Clay Soil
- Gabbro Soil

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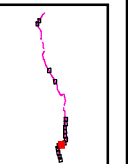
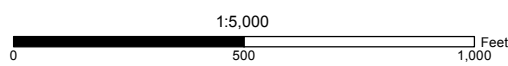
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Figure A-5: Clay and Gabbroic Soils Map 12 of 17

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|----------------------------|--------------------------|--------------------------|-------------------------------------|------------------------|
| ■ Milepost | Permanent Impacts | Temporary Impacts | --- Biological Resource Survey Area | --- Soil Unit Boundary |
| — Proposed Project Route | ▭ Aboveground Facility | ▭ Laydown Area | ▭ City/County Boundary | ■ Clay Soil |
| — Cross-Tie Connector Line | | ▭ Workspace | | ■ Gabbro Soil |

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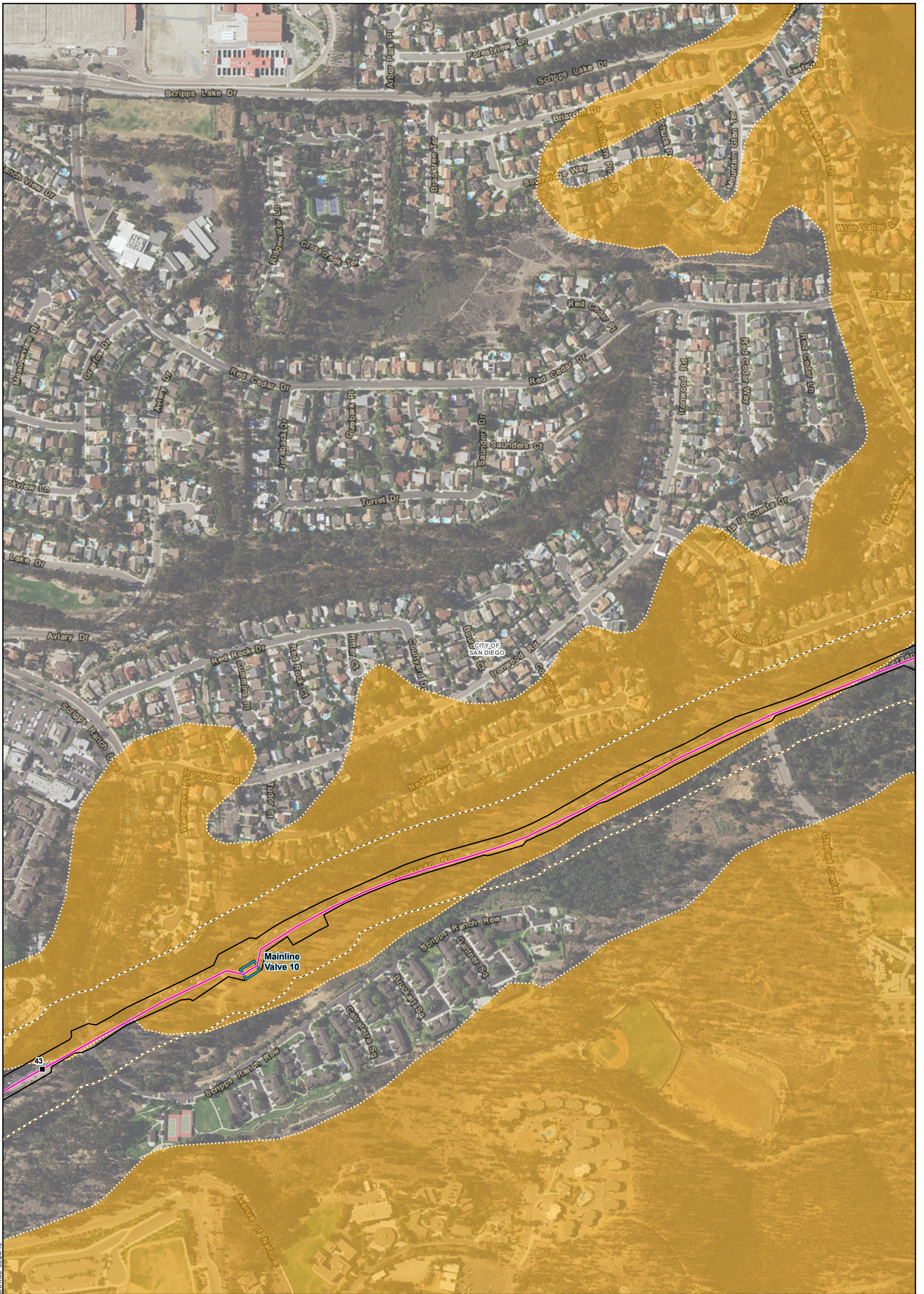
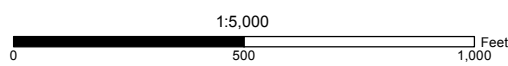


Figure A-5: Clay and Gabbroic Soils Map 13 of 17

- Milepost
- Proposed Project Route
- Cross-Tie Connector Line
- Permanent Impacts**
- ▭ Aboveground Facility
- Temporary Impacts**
- ▭ Laydown Area
- ▭ Workspace
- ▭ Biological Resource Survey Area
- ▭ City/County Boundary
- ▭ Soil Unit Boundary
- ▭ Clay Soil
- ▭ Gabbro Soil

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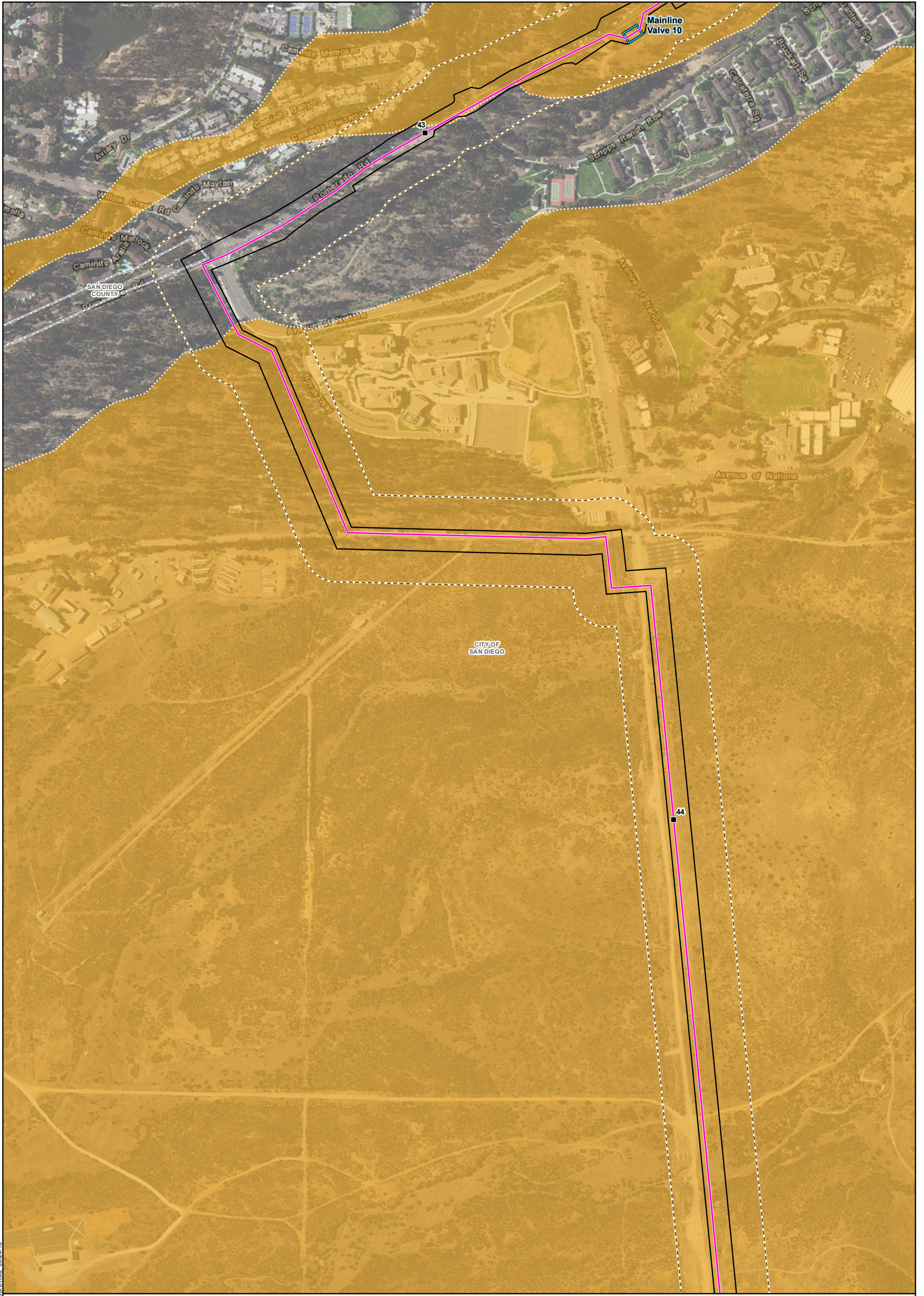
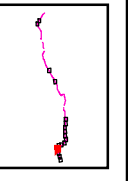
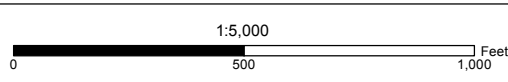


Figure A-5: Clay and Gabbroic Soils Map 14 of 17

Pipeline Safety & Reliability Project

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|----------------------------|--------------------------|--------------------------|-------------------------------------|------------------------|
| ■ Milepost | Permanent Impacts | Temporary Impacts | --- Biological Resource Survey Area | --- Soil Unit Boundary |
| — Proposed Project Route | ▭ Aboveground Facility | ▭ Laydown Area | ▭ City/County Boundary | ■ Clay Soil |
| — Cross-Tie Connector Line | ▭ Workspace | | | ■ Gabbro Soil |

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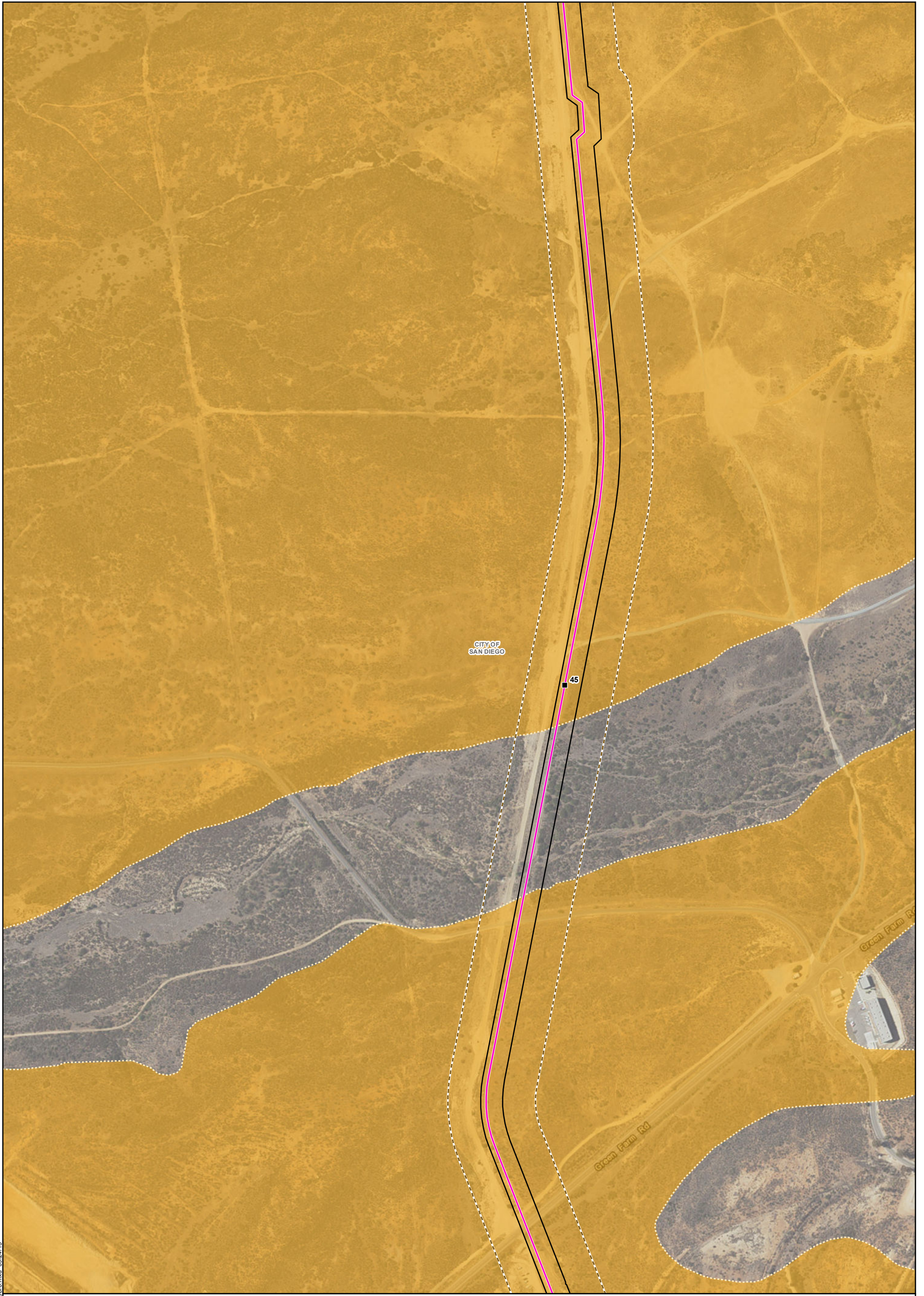
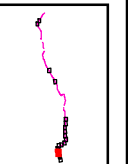


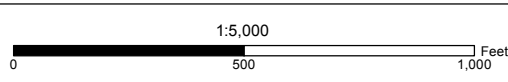
Figure A-5: Clay and Gabbroic Soils Map 15 of 17

Pipeline Safety & Reliability Project

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|----------------------------|--------------------------|--------------------------|-------------------------------------|------------------------|
| ■ Milepost | Permanent Impacts | Temporary Impacts | --- Biological Resource Survey Area | --- Soil Unit Boundary |
| — Proposed Project Route | ▭ Aboveground Facility | ▭ Laydown Area | --- City/County Boundary | ■ Clay Soil |
| — Cross-Tie Connector Line | | ▭ Workspace | | ■ Gabbro Soil |



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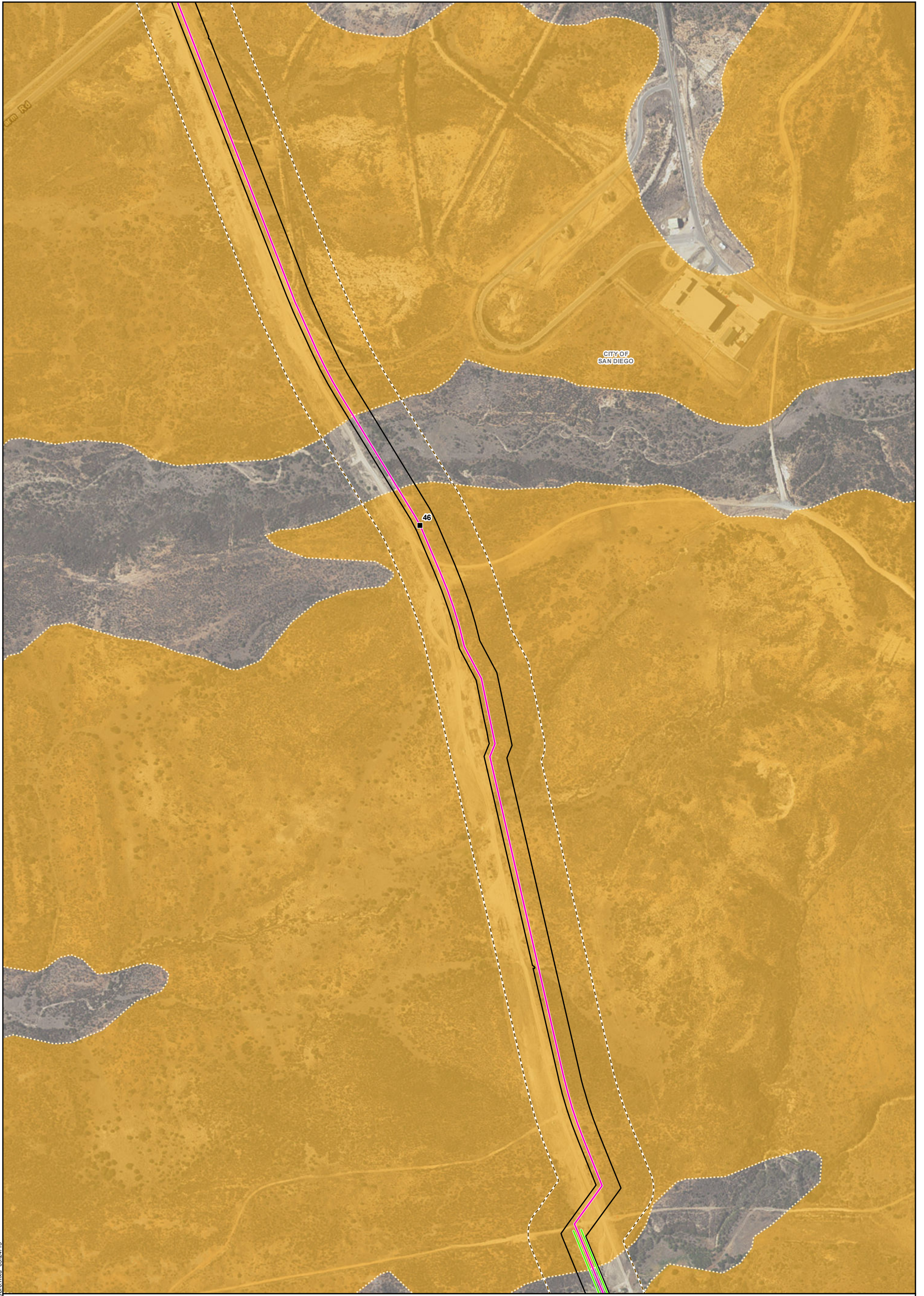
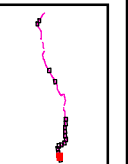
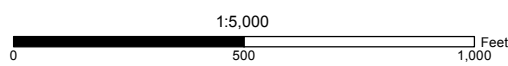


Figure A-5: Clay and Gabbroic Soils Map 16 of 17

Pipeline Safety & Reliability Project

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|----------------------------|--------------------------|--------------------------|-------------------------------------|------------------------|
| ■ Milepost | Permanent Impacts | Temporary Impacts | --- Biological Resource Survey Area | --- Soil Unit Boundary |
| — Proposed Project Route | ▭ Aboveground Facility | ▭ Laydown Area | --- City/County Boundary | ■ Clay Soil |
| — Cross-Tie Connector Line | | ▭ Workspace | | ■ Gabbro Soil |

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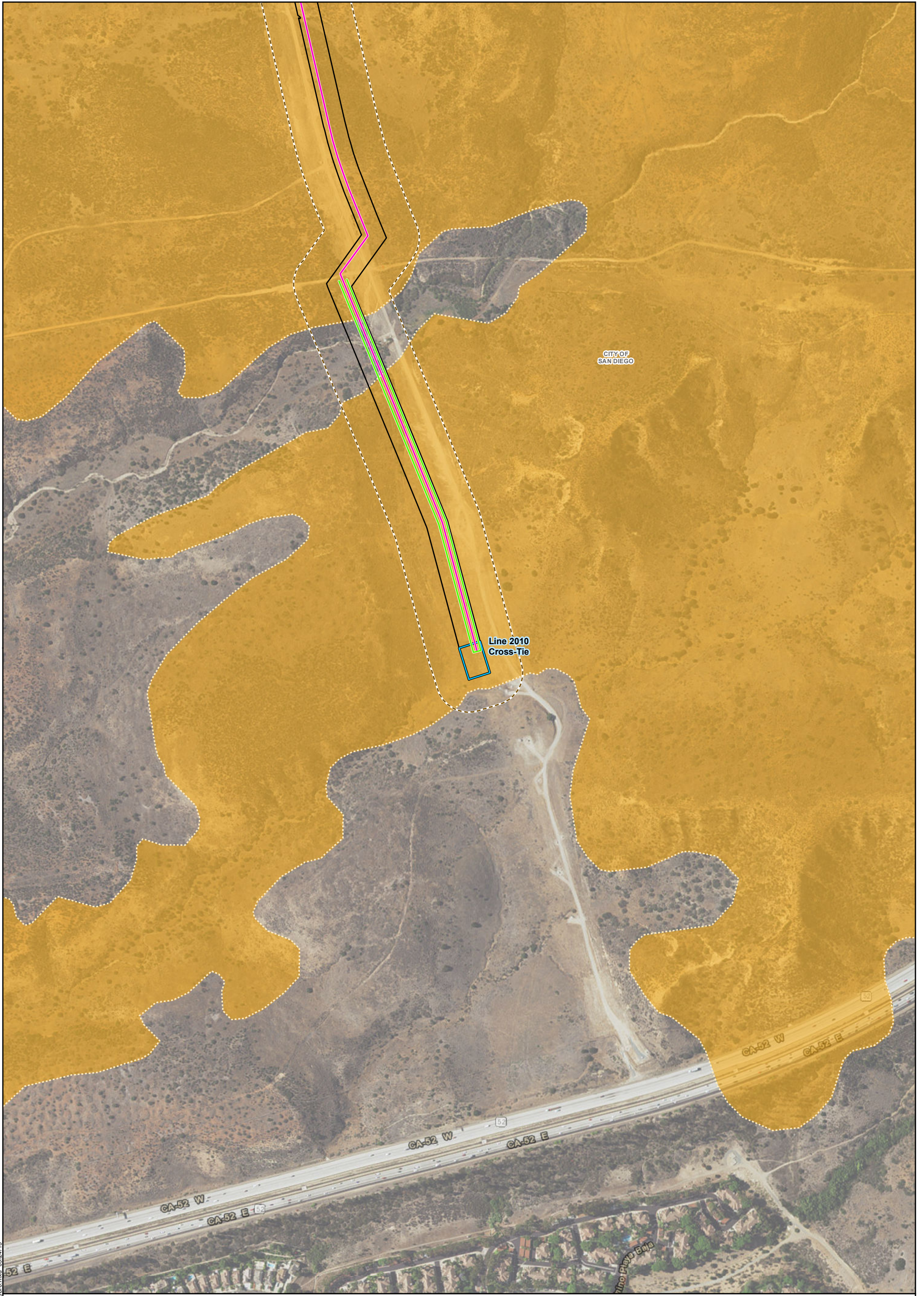
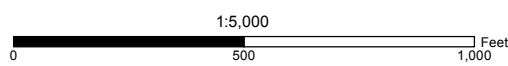
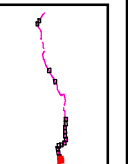


Figure A-5: Clay and Gabbroic Soils Map 17 of 17

Pipeline Safety & Reliability Project

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|----------------------------|--------------------------|--------------------------|-------------------------------------|------------------------|
| ■ Milepost | Permanent Impacts | Temporary Impacts | --- Biological Resource Survey Area | --- Soil Unit Boundary |
| — Proposed Project Route | ▭ Aboveground Facility | ▭ Laydown Area | ▭ City/County Boundary | ■ Clay Soil |
| — Cross-Tie Connector Line | | ▭ Workspace | | ■ Gabbro Soil |

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