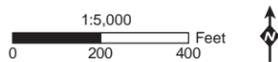
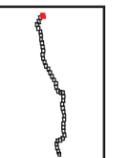


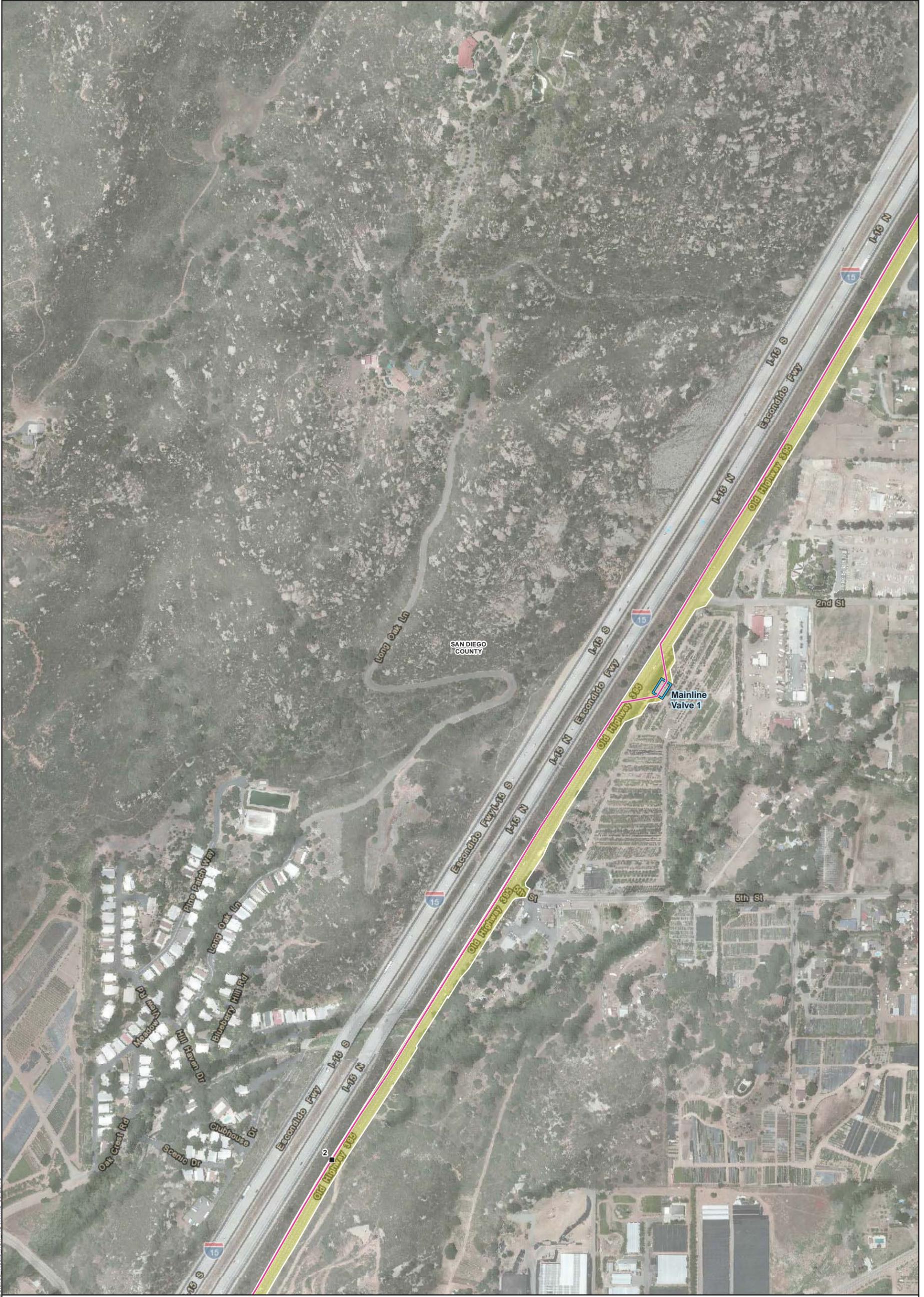
Attachment 3-A: Detailed Route Map 1 of 42

Pipeline Safety & Reliability Project

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|---|---|---|
| <ul style="list-style-type: none"> ■ Milepost ▭ City/County Boundary ▭ Existing Facility | <ul style="list-style-type: none"> — Permanent Proposed Project Route --- Trenchless Construction — Cross-Tie Connector Line ▭ Aboveground Facility | <ul style="list-style-type: none"> ▭ Temporary Bore Pit ▭ Horizontal Directional Drill Workspace ▭ Laydown Area ▭ Workspace |
|---|---|---|

The information depicted in these maps is preliminary and subject to change based on California Public Utilities Commission requirements, final engineering, and other factors.



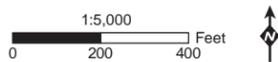
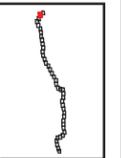


Attachment 3-A: Detailed Route Map 2 of 42

Pipeline Safety & Reliability Project

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|------------------------|-------------------------------|--|
| ■ Milepost | Permanent | Temporary |
| ▭ City/County Boundary | — Proposed Project Route | ■ Bore Pit |
| ▭ Existing Facility | - - - Trenchless Construction | ▭ Horizontal Directional Drill Workspace |
| | — Cross-Tie Connector Line | ▭ Laydown Area |
| | ▭ Aboveground Facility | ▭ Workspace |

The information depicted in these maps is preliminary and subject to change based on California Public Utilities Commission requirements, final engineering, and other factors.



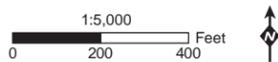
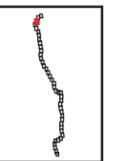


Attachment 3-A: Detailed Route Map 3 of 42

Pipeline Safety & Reliability Project

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|------------------------|-------------------------------|--|
| ■ Milepost | Permanent | Temporary |
| □ City/County Boundary | — Proposed Project Route | ■ Bore Pit |
| □ Existing Facility | - - - Trenchless Construction | □ Horizontal Directional Drill Workspace |
| | — Cross-Tie Connector Line | □ Laydown Area |
| | □ Aboveground Facility | □ Workspace |

The information depicted in these maps is preliminary and subject to change based on California Public Utilities Commission requirements, final engineering, and other factors.



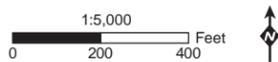
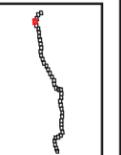


Attachment 3-A: Detailed Route Map 4 of 42

Pipeline Safety & Reliability Project

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| ■ Milepost | Permanent | Temporary |
| ▭ City/County Boundary | — Proposed Project Route | ■ Bore Pit |
| ▭ Existing Facility | - - - Trenchless Construction | ▭ Horizontal Directional Drill Workspace |
| | — Cross-Tie Connector Line | ▭ Laydown Area |
| | ▭ Aboveground Facility | ▭ Workspace |

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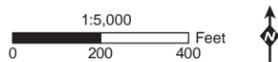
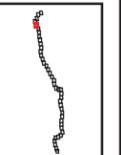


Attachment 3-A: Detailed Route Map 5 of 42

Pipeline Safety & Reliability Project

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| ■ Milepost | Permanent | Temporary |
| ▭ City/County Boundary | — Proposed Project Route | ■ Bore Pit |
| ▭ Existing Facility | - - - Trenchless Construction | ▭ Horizontal Directional Drill Workspace |
| | — Cross-Tie Connector Line | ▭ Laydown Area |
| | ▭ Aboveground Facility | ▭ Workspace |

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MXDs\PEAPD\Atr_A_Detailed Route new ROW.mxd 09/25/15

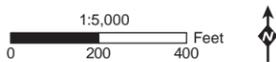
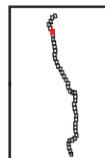


Attachment 3-A: Detailed Route Map 6 of 42

Pipeline Safety & Reliability Project

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| ■ Milepost | Permanent | Temporary |
| □ City/County Boundary | — Proposed Project Route | ■ Bore Pit |
| □ Existing Facility | - - - Trenchless Construction | □ Horizontal Directional Drill Workspace |
| | — Cross-Tie Connector Line | □ Laydown Area |
| | □ Aboveground Facility | □ Workspace |

The information depicted in these maps is preliminary and subject to change based on California Public Utilities Commission requirements, final engineering, and other factors.



MXDs\PEAPD\Atr_A_Detailed Route new ROW.mxd 09/25/15

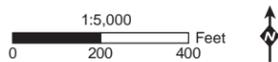
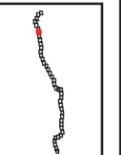


Attachment 3-A: Detailed Route Map 7 of 42

Pipeline Safety & Reliability Project

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| ■ Milepost | Permanent | Temporary |
| ▭ City/County Boundary | — Proposed Project Route | ■ Bore Pit |
| ▭ Existing Facility | - - - Trenchless Construction | ▭ Horizontal Directional Drill Workspace |
| | — Cross-Tie Connector Line | ▭ Laydown Area |
| | ▭ Aboveground Facility | ▭ Workspace |

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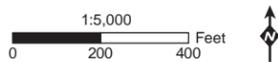


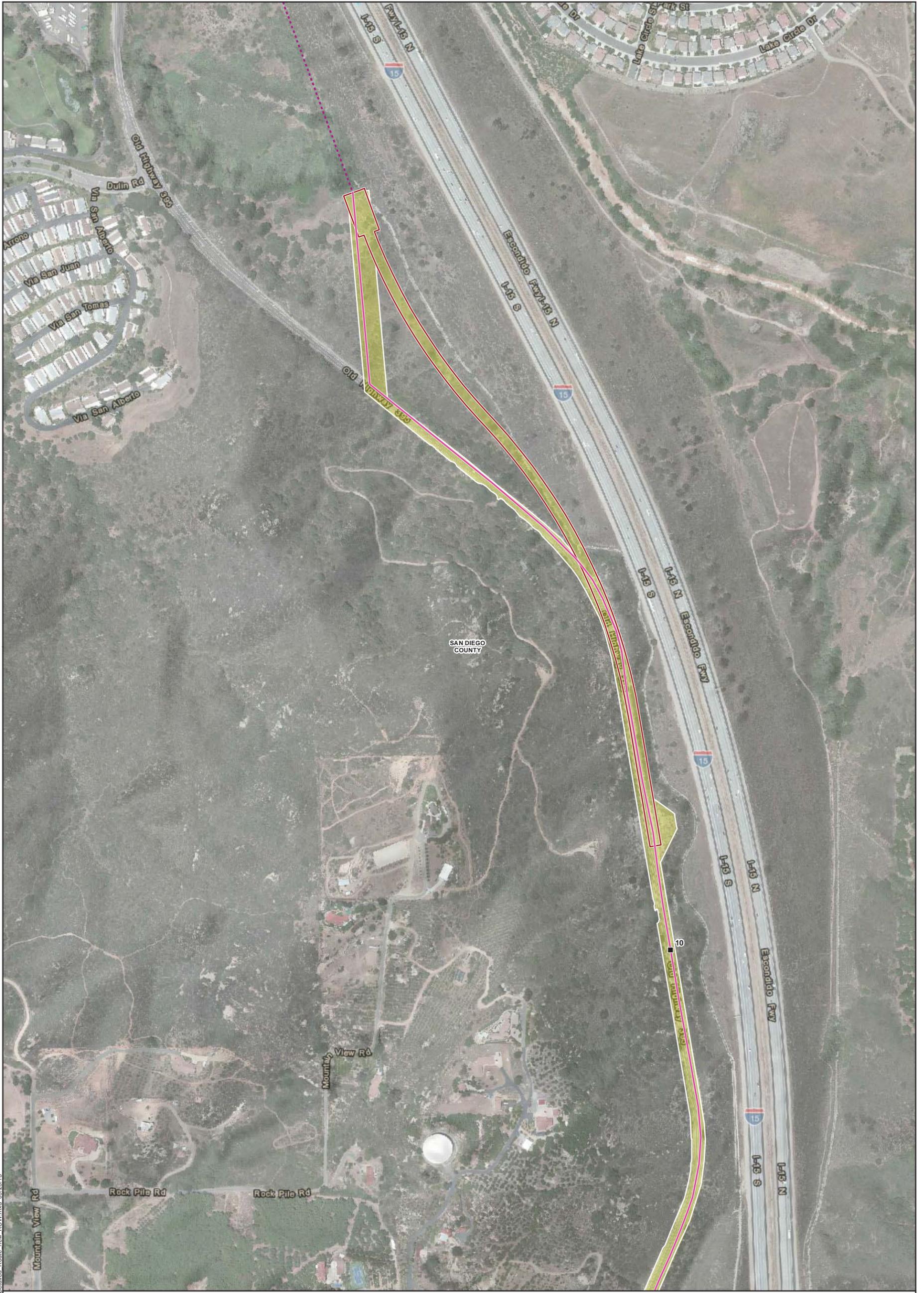
Attachment 3-A: Detailed Route Map 8 of 42

Pipeline Safety & Reliability Project

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| ■ Milepost | Permanent | Temporary |
| □ City/County Boundary | — Proposed Project Route | ■ Bore Pit |
| □ Existing Facility | --- Trenchless Construction | □ Horizontal Directional Drill Workspace |
| | — Cross-Tie Connector Line | □ Laydown Area |
| | □ Aboveground Facility | □ Workspace |

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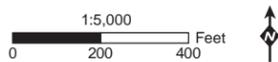
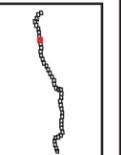


Attachment 3-A: Detailed Route Map 9 of 42

Pipeline Safety & Reliability Project

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|------------------------|-------------------------------|--|
| ■ Milepost | Permanent | Temporary |
| ▭ City/County Boundary | — Proposed Project Route | ■ Bore Pit |
| ▭ Existing Facility | - - - Trenchless Construction | ▭ Horizontal Directional Drill Workspace |
| | — Cross-Tie Connector Line | ▭ Laydown Area |
| | ▭ Aboveground Facility | ▭ Workspace |

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MXDs\PEAPD\Atr_A_Detailed Route new ROW.mxd 09/25/15

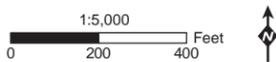
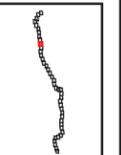


Attachment 3-A: Detailed Route Map 10 of 42

Pipeline Safety & Reliability Project

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| ■ Milepost | Permanent | Temporary |
| □ City/County Boundary | — Proposed Project Route | ■ Bore Pit |
| □ Existing Facility | - - - Trenchless Construction | □ Horizontal Directional Drill Workspace |
| | — Cross-Tie Connector Line | □ Laydown Area |
| | □ Aboveground Facility | ■ Workspace |

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MXDs\PEAPD\Dir_A_Detailed Route new ROW.mxd 09/25/15

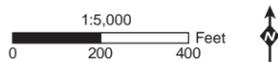
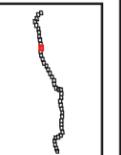


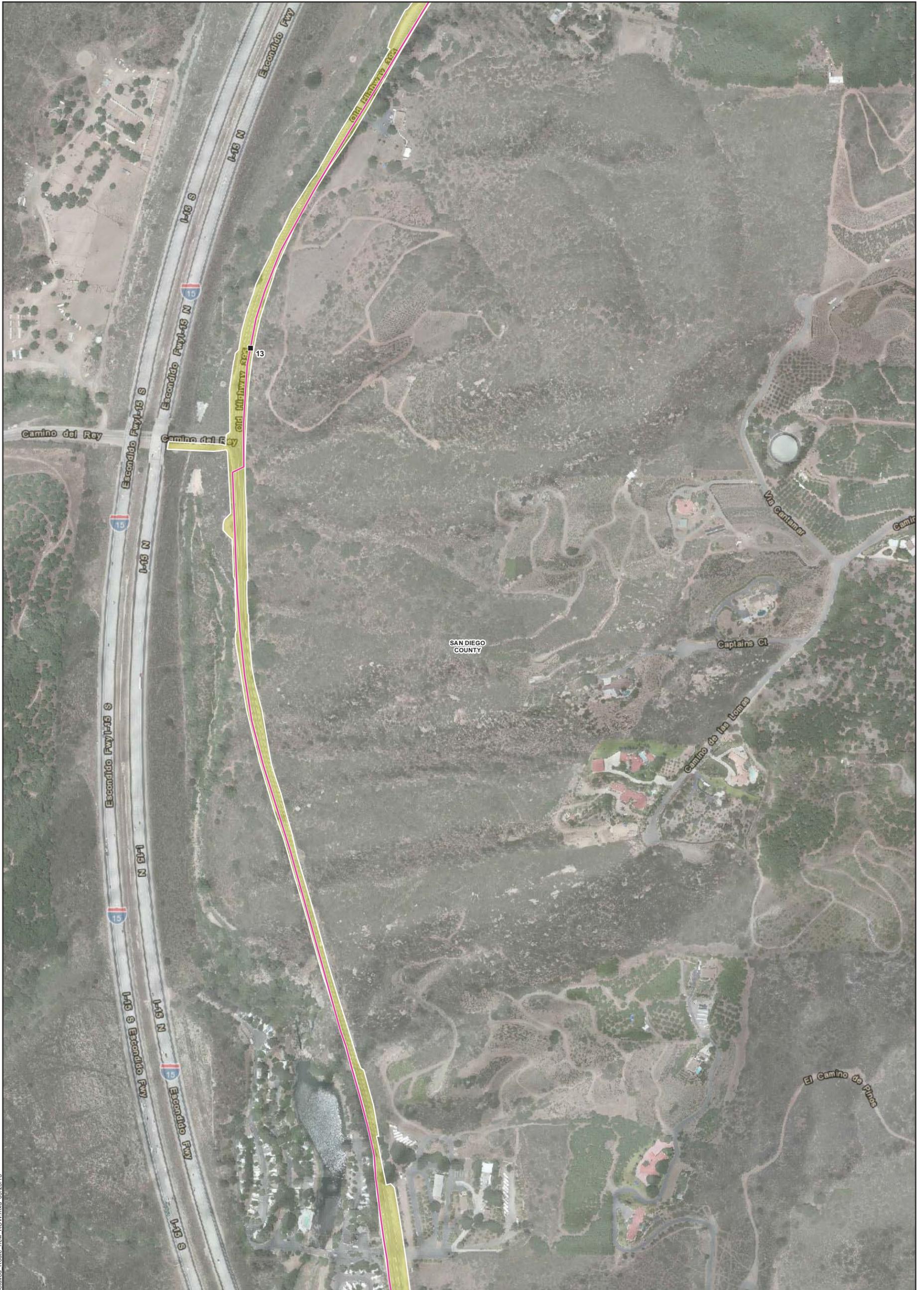
Attachment 3-A: Detailed Route Map 11 of 42

Pipeline Safety & Reliability Project

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| <ul style="list-style-type: none"> ■ Milepost □ City/County Boundary □ Existing Facility | Permanent <ul style="list-style-type: none"> — Proposed Project Route --- Trenchless Construction — Cross-Tie Connector Line □ Aboveground Facility | Temporary <ul style="list-style-type: none"> ■ Bore Pit □ Horizontal Directional Drill Workspace □ Laydown Area □ Workspace |
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The information depicted in these maps is preliminary and subject to change based on California Public Utilities Commission requirements, final engineering, and other factors.

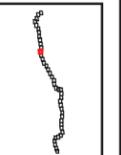




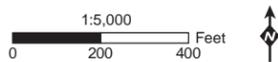
Attachment 3-A: Detailed Route Map 12 of 42

Pipeline Safety & Reliability Project

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| <ul style="list-style-type: none"> ■ Milepost □ City/County Boundary □ Existing Facility | Permanent <ul style="list-style-type: none"> — Proposed Project Route --- Trenchless Construction — Cross-Tie Connector Line □ Aboveground Facility | Temporary <ul style="list-style-type: none"> ■ Bore Pit □ Horizontal Directional Drill Workspace □ Laydown Area □ Workspace |
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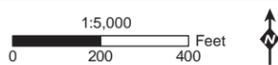
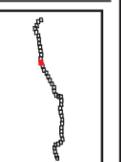


Attachment 3-A: Detailed Route Map 13 of 42

Pipeline Safety & Reliability Project

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|---|---|---|
| <ul style="list-style-type: none"> ■ Milepost ▭ City/County Boundary ▭ Existing Facility | <ul style="list-style-type: none"> — Permanent Proposed Project Route --- Trenchless Construction — Cross-Tie Connector Line ▭ Aboveground Facility | <ul style="list-style-type: none"> ■ Temporary Bore Pit ▭ Horizontal Directional Drill Workspace ▭ Laydown Area ▭ Workspace |
|---|---|---|

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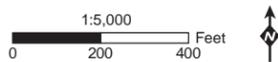
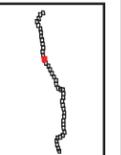


Attachment 3-A: Detailed Route Map 14 of 42

Pipeline Safety & Reliability Project

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|---|---|---|
| <ul style="list-style-type: none"> ■ Milepost □ City/County Boundary □ Existing Facility | <ul style="list-style-type: none"> — Permanent Proposed Project Route --- Trenchless Construction — Cross-Tie Connector Line □ Aboveground Facility | <ul style="list-style-type: none"> ■ Temporary Bore Pit □ Horizontal Directional Drill Workspace □ Laydown Area □ Workspace |
|---|---|---|

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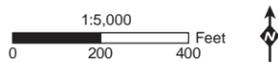
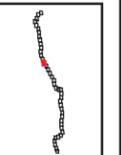


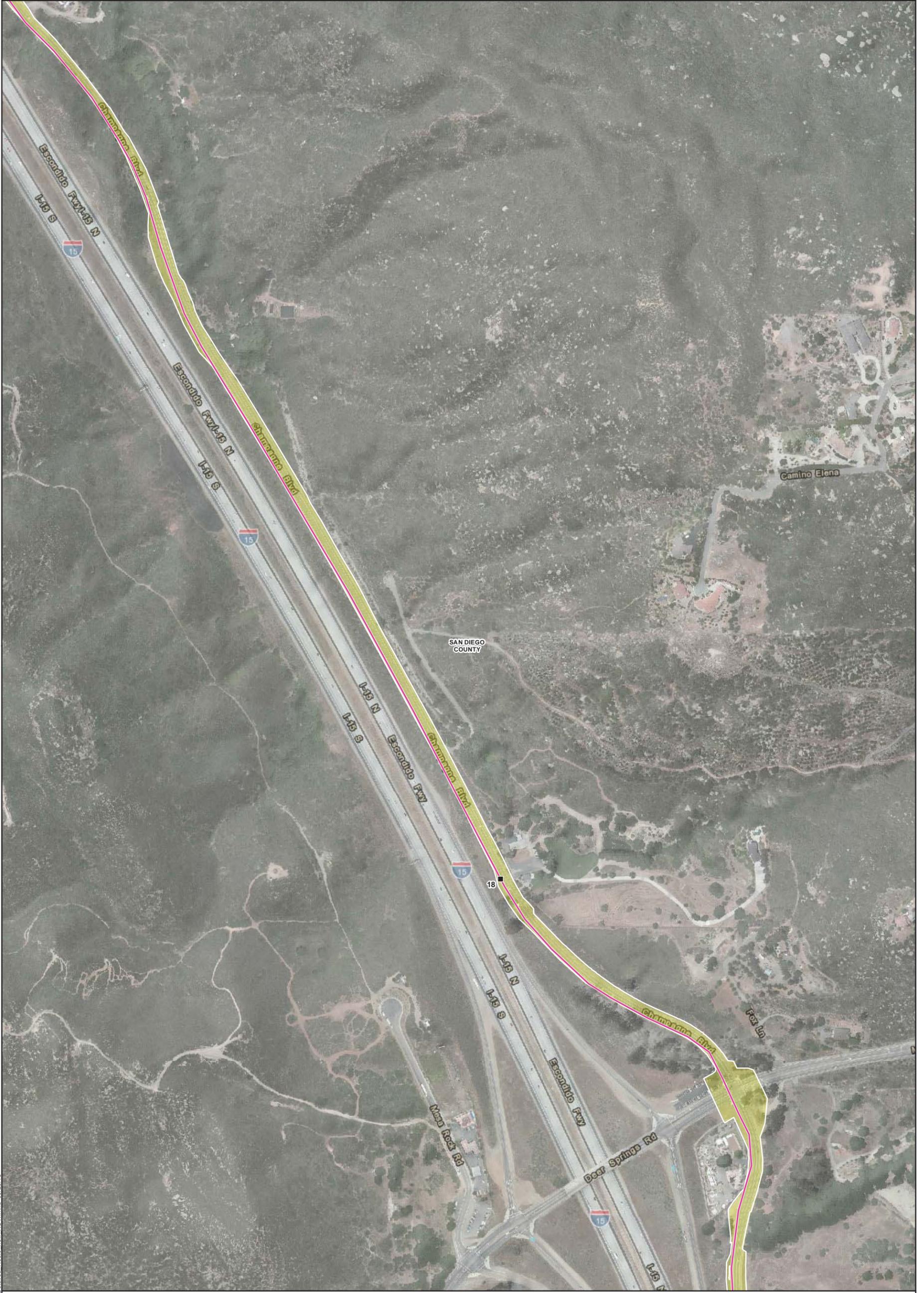
Attachment 3-A: Detailed Route Map 15 of 42

Pipeline Safety & Reliability Project

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| ■ Milepost | Permanent | Temporary |
| □ City/County Boundary | — Proposed Project Route | ■ Bore Pit |
| □ Existing Facility | - - - Trenchless Construction | □ Horizontal Directional Drill Workspace |
| | — Cross-Tie Connector Line | □ Laydown Area |
| | □ Aboveground Facility | □ Workspace |

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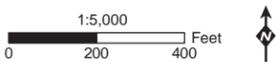
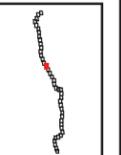


Attachment 3-A: Detailed Route Map 16 of 42

Pipeline Safety & Reliability Project

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|---|---|---|
| <ul style="list-style-type: none"> ■ Milepost ▭ City/County Boundary ▭ Existing Facility | <ul style="list-style-type: none"> — Permanent Proposed Project Route --- Trenchless Construction — Cross-Tie Connector Line ▭ Aboveground Facility | <ul style="list-style-type: none"> ■ Bore Pit ▭ Horizontal Directional Drill Workspace ▭ Laydown Area ▭ Workspace |
|---|---|---|

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MXDs\PEAPP\Dir_A_Detailed Route new ROW.mxd 09/25/15

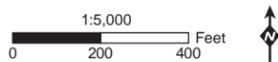
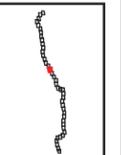


Attachment 3-A: Detailed Route Map 17 of 42

Pipeline Safety & Reliability Project

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| ■ Milepost | Permanent | Temporary |
| --- City/County Boundary | — Proposed Project Route | ■ Bore Pit |
| ▭ Existing Facility | - - - Trenchless Construction | ▭ Horizontal Directional Drill Workspace |
| | — Cross-Tie Connector Line | ▭ Laydown Area |
| | ▭ Aboveground Facility | ▭ Workspace |

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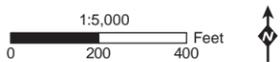
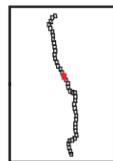


Attachment 3-A: Detailed Route Map 18 of 42

Pipeline Safety & Reliability Project

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| <ul style="list-style-type: none"> ■ Milepost □ City/County Boundary □ Existing Facility | Permanent <ul style="list-style-type: none"> — Proposed Project Route --- Trenchless Construction — Cross-Tie Connector Line □ Aboveground Facility | Temporary <ul style="list-style-type: none"> ■ Bore Pit □ Horizontal Directional Drill Workspace □ Laydown Area □ Workspace |
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MXDs\PEAPD\Atr_A_Detailed Route new ROW.mxd 09/25/15

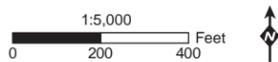
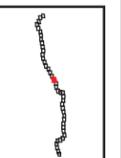


Attachment 3-A: Detailed Route Map 19 of 42

Pipeline Safety & Reliability Project

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| ■ Milepost | Permanent | Temporary |
| --- City/County Boundary | — Proposed Project Route | ■ Bore Pit |
| □ Existing Facility | - - - Trenchless Construction | □ Horizontal Directional Drill Workspace |
| | — Cross-Tie Connector Line | □ Laydown Area |
| | □ Aboveground Facility | □ Workspace |

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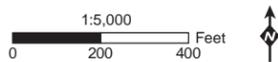
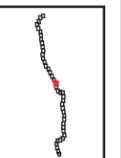




Attachment 3-A: Detailed Route Map 20 of 42

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|--------------------------|-------------------------------|--|
| ■ Milepost | Permanent | Temporary |
| --- City/County Boundary | — Proposed Project Route | ■ Bore Pit |
| ▭ Existing Facility | - - - Trenchless Construction | ▭ Horizontal Directional Drill Workspace |
| | — Cross-Tie Connector Line | ▭ Laydown Area |
| | ▭ Aboveground Facility | ▭ Workspace |

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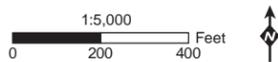
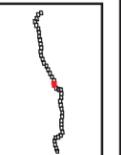




Attachment 3-A: Detailed Route Map 21 of 42

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| ■ Milepost | Permanent | Temporary |
| ▭ City/County Boundary | — Proposed Project Route | ■ Bore Pit |
| ▭ Existing Facility | - - - Trenchless Construction | ▭ Horizontal Directional Drill Workspace |
| | — Cross-Tie Connector Line | ▭ Laydown Area |
| | ▭ Aboveground Facility | ▭ Workspace |

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MXDs\PEAPD\Atr_A_Detailed Route new ROW.mxd 09/25/15

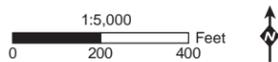
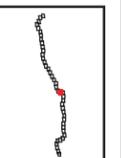


Attachment 3-A: Detailed Route Map 23 of 42

Pipeline Safety & Reliability Project

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| ■ Milepost | Permanent | Temporary |
| --- City/County Boundary | — Proposed Project Route | ■ Bore Pit |
| □ Existing Facility | - - - Trenchless Construction | □ Horizontal Directional Drill Workspace |
| | — Cross-Tie Connector Line | □ Laydown Area |
| | □ Aboveground Facility | □ Workspace |

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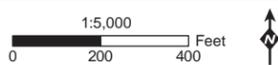
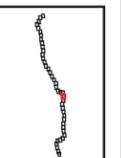


Attachment 3-A: Detailed Route Map 25 of 42

Pipeline Safety & Reliability Project

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|--------------------------|-------------------------------|--|
| ■ Milepost | Permanent | Temporary |
| --- City/County Boundary | — Proposed Project Route | ■ Bore Pit |
| ▭ Existing Facility | - - - Trenchless Construction | ▭ Horizontal Directional Drill Workspace |
| | — Cross-Tie Connector Line | ▭ Laydown Area |
| | ▭ Aboveground Facility | ▭ Workspace |

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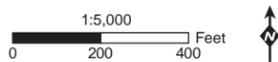
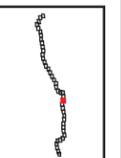


Attachment 3-A: Detailed Route Map 26 of 42

Pipeline Safety & Reliability Project

- | | | |
|--------------------------|-------------------------------|--|
| ■ Milepost | Permanent | Temporary |
| --- City/County Boundary | — Proposed Project Route | ■ Bore Pit |
| ▭ Existing Facility | - - - Trenchless Construction | ▭ Horizontal Directional Drill Workspace |
| | — Cross-Tie Connector Line | ▭ Laydown Area |
| | ▭ Aboveground Facility | ▭ Workspace |

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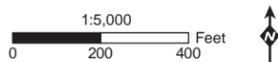
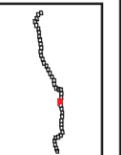


Attachment 3-A: Detailed Route Map 27 of 42

Pipeline Safety & Reliability Project

- | | | |
|--------------------------|-----------------------------|--|
| ■ Milepost | Permanent | Temporary |
| --- City/County Boundary | — Proposed Project Route | ■ Bore Pit |
| ▭ Existing Facility | --- Trenchless Construction | ▭ Horizontal Directional Drill Workspace |
| | — Cross-Tie Connector Line | ▭ Laydown Area |
| | ▭ Aboveground Facility | ▭ Workspace |

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MXDs\PEAPD\Atr_A_Detailed Route new ROW.mxd 09/25/15

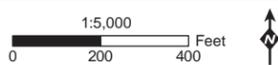
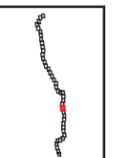


Attachment 3-A: Detailed Route Map 28 of 42

Pipeline Safety & Reliability Project

- | | | |
|------------------------|-------------------------------|--|
| ■ Milepost | Permanent | Temporary |
| ▭ City/County Boundary | — Proposed Project Route | ■ Bore Pit |
| ▭ Existing Facility | - - - Trenchless Construction | ▭ Horizontal Directional Drill Workspace |
| | — Cross-Tie Connector Line | ▭ Laydown Area |
| | ▭ Aboveground Facility | ▭ Workspace |

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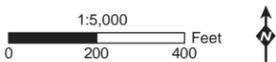
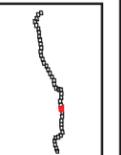


Attachment 3-A: Detailed Route Map 29 of 42

Pipeline Safety & Reliability Project

- | | | |
|------------------------|-------------------------------|--|
| ■ Milepost | Permanent | Temporary |
| ▭ City/County Boundary | — Proposed Project Route | ■ Bore Pit |
| ▭ Existing Facility | - - - Trenchless Construction | ▭ Horizontal Directional Drill Workspace |
| | — Cross-Tie Connector Line | ▭ Laydown Area |
| | ▭ Aboveground Facility | ▭ Workspace |

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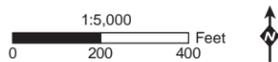
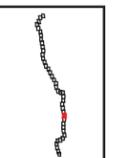


Attachment 3-A: Detailed Route Map 30 of 42

Pipeline Safety & Reliability Project

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|--------------------------|-------------------------------|--|
| ■ Milepost | Permanent | Temporary |
| --- City/County Boundary | — Proposed Project Route | ■ Bore Pit |
| □ Existing Facility | - - - Trenchless Construction | □ Horizontal Directional Drill Workspace |
| | — Cross-Tie Connector Line | □ Laydown Area |
| | □ Aboveground Facility | □ Workspace |

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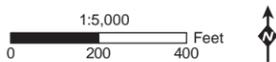
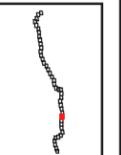


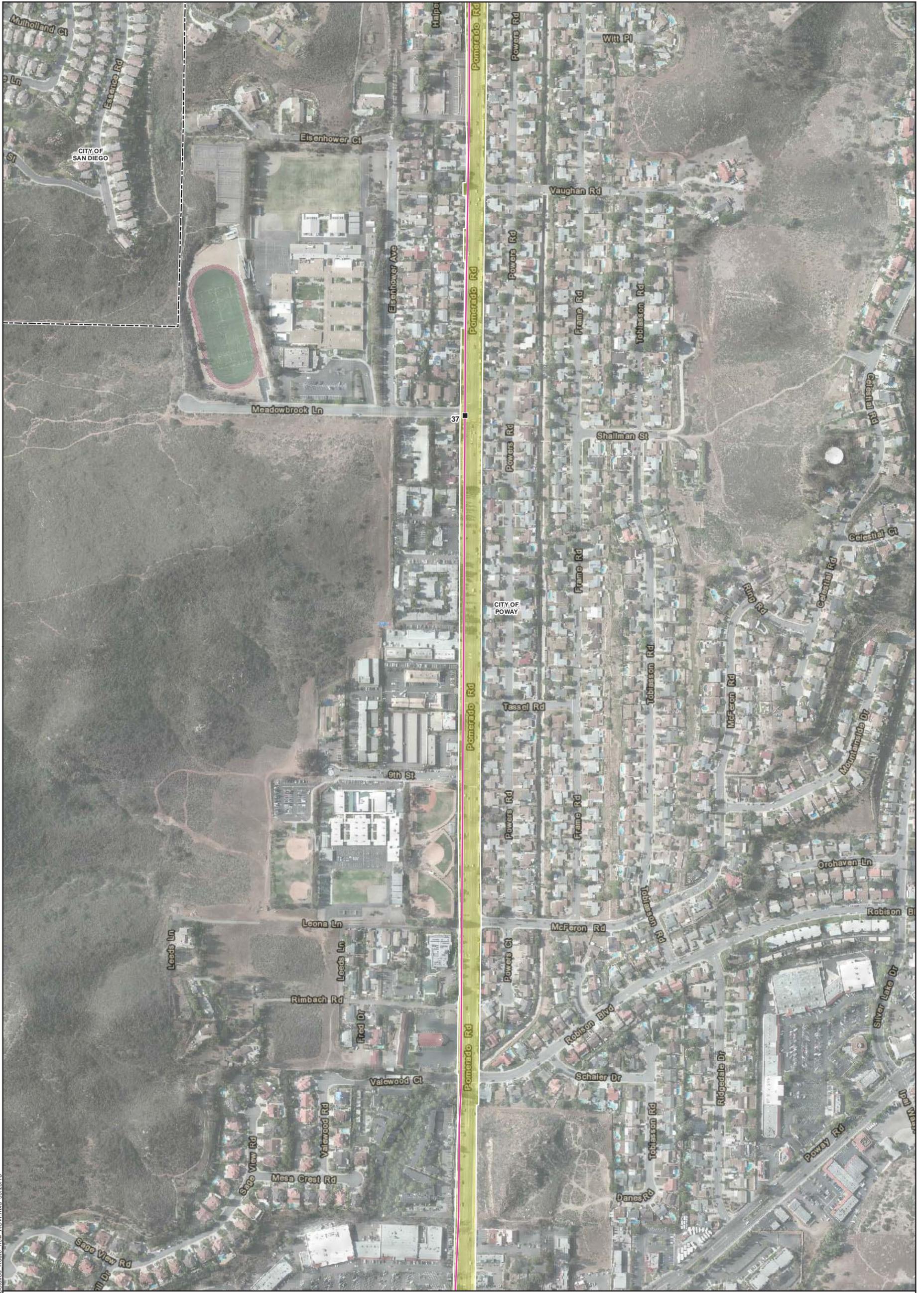
Attachment 3-A: Detailed Route Map 31 of 42

Pipeline Safety & Reliability Project

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|--------------------------|-------------------------------|--|
| ■ Milepost | Permanent | Temporary |
| --- City/County Boundary | — Proposed Project Route | ■ Bore Pit |
| □ Existing Facility | - - - Trenchless Construction | □ Horizontal Directional Drill Workspace |
| | — Cross-Tie Connector Line | □ Laydown Area |
| | □ Aboveground Facility | □ Workspace |

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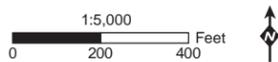
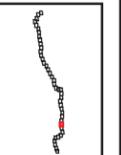


Attachment 3-A: Detailed Route Map 33 of 42

Pipeline Safety & Reliability Project

- | | | |
|--------------------------|-------------------------------|--|
| ■ Milepost | Permanent | Temporary |
| --- City/County Boundary | — Proposed Project Route | ■ Bore Pit |
| □ Existing Facility | - - - Trenchless Construction | □ Horizontal Directional Drill Workspace |
| | — Cross-Tie Connector Line | □ Laydown Area |
| | □ Aboveground Facility | □ Workspace |

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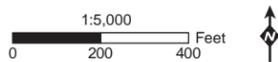


Attachment 3-A: Detailed Route Map 34 of 42

Pipeline Safety & Reliability Project

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|--------------------------|-------------------------------|--|
| ■ Milepost | Permanent | Temporary |
| --- City/County Boundary | — Proposed Project Route | ■ Bore Pit |
| □ Existing Facility | - - - Trenchless Construction | □ Horizontal Directional Drill Workspace |
| | — Cross-Tie Connector Line | □ Laydown Area |
| | □ Aboveground Facility | ■ Workspace |

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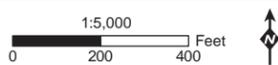


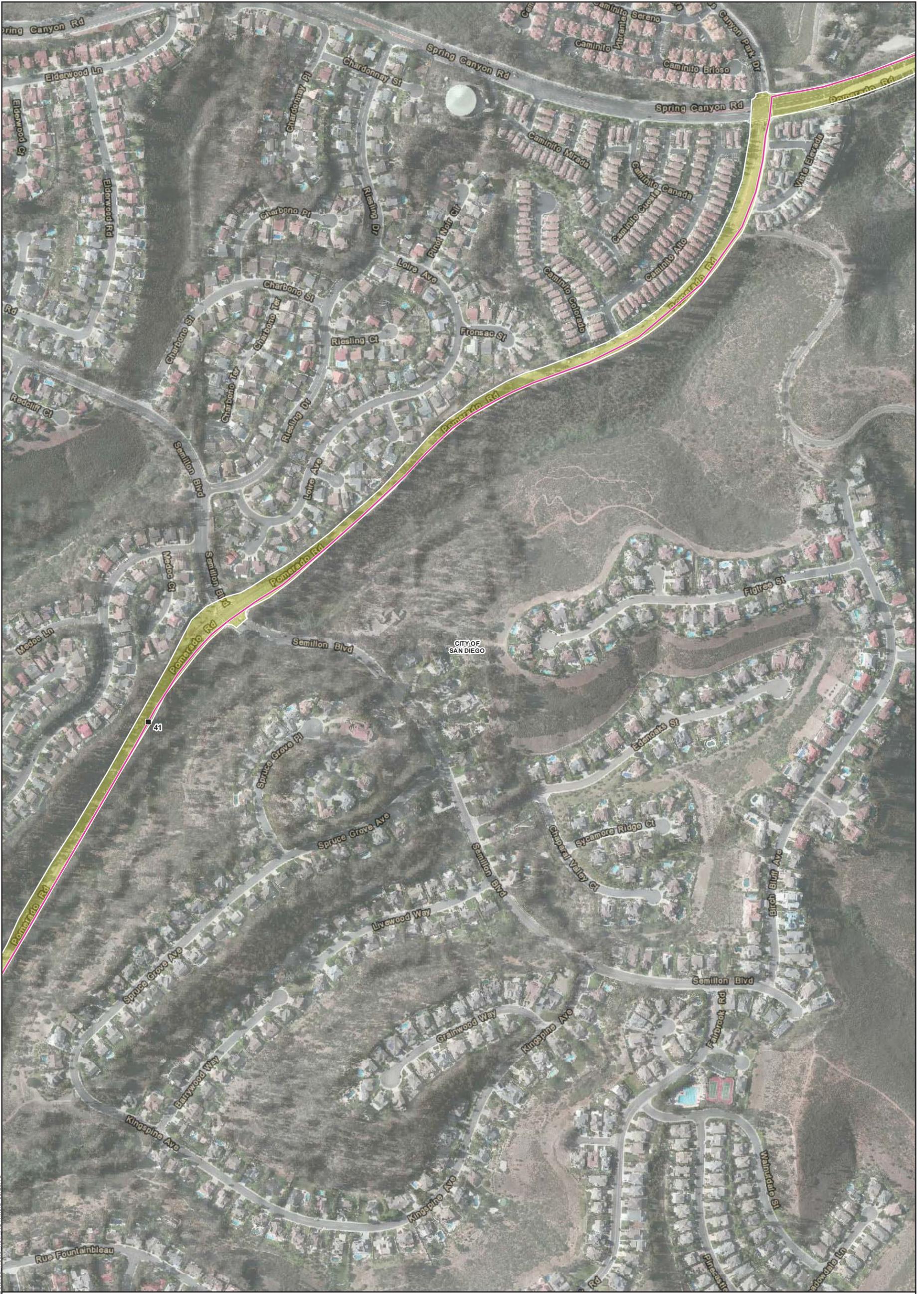
Attachment 3-A: Detailed Route Map 35 of 42

Pipeline Safety & Reliability Project

- | | | |
|--------------------------|-------------------------------|--|
| ■ Milepost | Permanent | Temporary |
| --- City/County Boundary | — Proposed Project Route | ■ Bore Pit |
| □ Existing Facility | - - - Trenchless Construction | □ Horizontal Directional Drill Workspace |
| | — Cross-Tie Connector Line | □ Laydown Area |
| | □ Aboveground Facility | □ Workspace |

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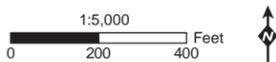


Attachment 3-A: Detailed Route Map 36 of 42

Pipeline Safety & Reliability Project

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|------------------------|-------------------------------|--|
| ■ Milepost | Permanent | Temporary |
| □ City/County Boundary | — Proposed Project Route | ■ Bore Pit |
| □ Existing Facility | - - - Trenchless Construction | □ Horizontal Directional Drill Workspace |
| | — Cross-Tie Connector Line | □ Laydown Area |
| | □ Aboveground Facility | □ Workspace |

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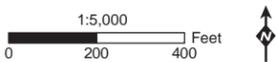
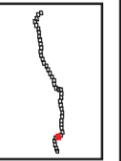


Attachment 3-A: Detailed Route Map 37 of 42

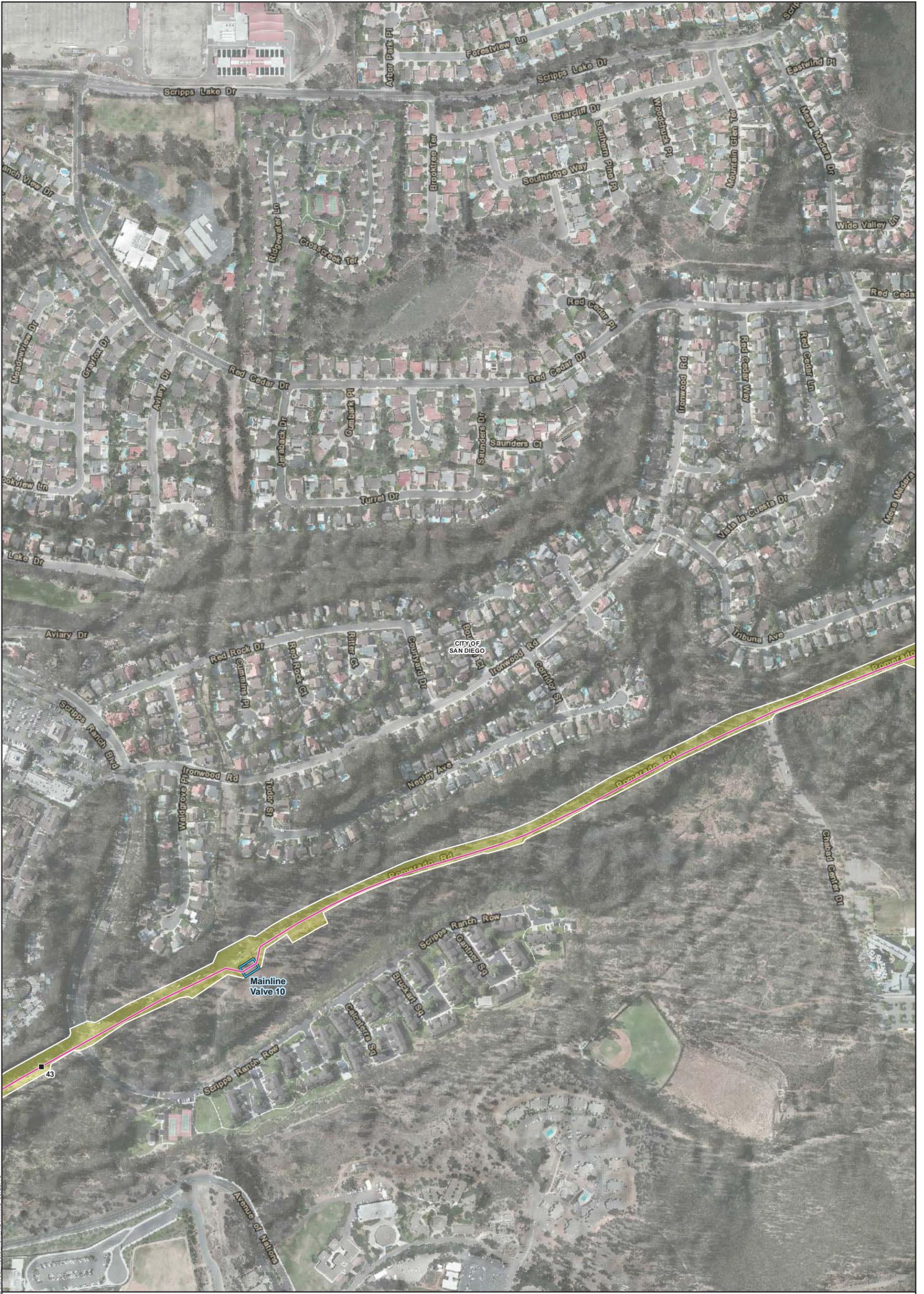
Pipeline Safety & Reliability Project

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| <ul style="list-style-type: none"> ■ Milepost ▭ City/County Boundary ▭ Existing Facility | Permanent <ul style="list-style-type: none"> — Proposed Project Route --- Trenchless Construction — Cross-Tie Connector Line ▭ Aboveground Facility | Temporary <ul style="list-style-type: none"> ▭ Bore Pit ▭ Horizontal Directional Drill Workspace ▭ Laydown Area ▭ Workspace |
|---|--|--|

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MXDs\PEAPP\Dir_A_Detailed Route new ROW.mxd 09/25/15

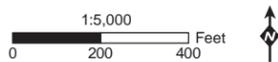
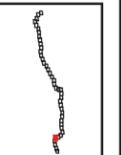


Attachment 3-A: Detailed Route Map 38 of 42

Pipeline Safety & Reliability Project

- | | | |
|------------------------|-------------------------------|--|
| ■ Milepost | Permanent | Temporary |
| ▭ City/County Boundary | — Proposed Project Route | ■ Bore Pit |
| ▭ Existing Facility | - - - Trenchless Construction | ▭ Horizontal Directional Drill Workspace |
| | — Cross-Tie Connector Line | ▭ Laydown Area |
| | ▭ Aboveground Facility | ▭ Workspace |

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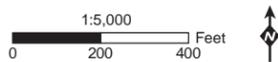


Attachment 3-A: Detailed Route Map 39 of 42

Pipeline Safety & Reliability Project

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|--------------------------|-------------------------------|--|
| ■ Milepost | Permanent | Temporary |
| --- City/County Boundary | — Proposed Project Route | ■ Bore Pit |
| □ Existing Facility | - - - Trenchless Construction | □ Horizontal Directional Drill Workspace |
| | — Cross-Tie Connector Line | □ Laydown Area |
| | □ Aboveground Facility | □ Workspace |

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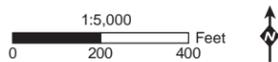


Attachment 3-A: Detailed Route Map 40 of 42

Pipeline Safety & Reliability Project

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|--------------------------|-------------------------------|--|
| ■ Milepost | Permanent | Temporary |
| --- City/County Boundary | — Proposed Project Route | ■ Bore Pit |
| □ Existing Facility | - - - Trenchless Construction | □ Horizontal Directional Drill Workspace |
| | — Cross-Tie Connector Line | □ Laydown Area |
| | □ Aboveground Facility | ■ Workspace |

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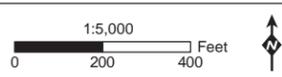
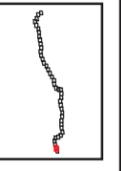
MXDs\PEAPD\Atr_A_Detailed Route new ROW.mxd 09/25/15



Attachment 3-A: Detailed Route Map 41 of 42 **Pipeline Safety & Reliability Project**

<ul style="list-style-type: none"> ■ Milepost □ City/County Boundary □ Existing Facility 	Permanent <ul style="list-style-type: none"> — Proposed Project Route --- Trenchless Construction — Cross-Tie Connector Line □ Aboveground Facility 	Temporary <ul style="list-style-type: none"> ■ Bore Pit □ Horizontal Directional Drill Workspace □ Laydown Area □ Workspace
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MXDs\PEAPP\Dir_A_Detailed Route new ROW.mxd 09/25/15



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Attachment 3-A: Detailed Route Map 42 of 42

Pipeline Safety & Reliability Project

- | | | |
|---|---|---|
| <ul style="list-style-type: none"> ■ Milepost □ City/County Boundary □ Existing Facility | <p>Permanent</p> <ul style="list-style-type: none"> — Proposed Project Route --- Trenchless Construction — Cross-Tie Connector Line □ Aboveground Facility | <p>Temporary</p> <ul style="list-style-type: none"> ■ Bore Pit □ Horizontal Directional Drill Workspace □ Laydown Area □ Workspace |
|---|---|---|

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