Utility Impact Summary

Alternative D-1

SUMMARY

This alternative includes construction of a new road linking Route 20 with Rio Road. This new road would have two vehicle travel lanes with two bike shoulder lanes (similar to the John Warner Parkway). The intersection with route 20 should be aligned with Albemarle County's extension of Olympia Drive as laid out in the Pantops Master Plan. This alternative also includes improvements to Pen Park Lane, and widening Rio Road to four lanes from Pen Park Lane to the John Warner Parkway intersection.

ELECTRIC

- Electric facilities consist mainly of single and dual three-phase circuits throughout the length of the project
- All poles from the intersection of Rio Road and John Warner Parkway continuing along Rio Road to Towne Lane, all poles along the western most edge of Pen Park between Pen Park (Charlottesville Catholic School/Meadowcreek Golf Course) and Pen Park Lane, all poles along the southern most edge of Darden Towe Park (including those along Free Bridge Lane until Winding River Lane, and those along Stony Point Road near the proposed intersection of Olympia Drive Extension and Stony Point (approximately 700 ft. north of Winding River Lane) are assumed to be in conflict with the project due to their proximity to the road and proposed project
- There is no evidence of underground electric facilities throughout the length of the project
- Transmissions lines also existing crossing Darden Towe Park and continues to the intersection of US 250 and Stoney Point Road. The existing transmissions lines are in close proximity to the proposed project area and will be impacted
- Assumed footages and units are reflected in PCES

TELECOMMUNICATIONS

- Major Telephone and CATV facilities exist on the electric pole line along the project
- Major facilities exist underground throughout the entire project exist
- Other fiber companies exist within the project limits but could not be confirmed
- All facilities from the intersection of Rio Road and John Warner Parkway continuing along Rio Road to Towne Lane, all poles along the western most edge of Pen Park between Pen Park (Charlottesville Catholic School/Meadowcreek Golf Course) and Pen Park Lane, all poles along the southern most edge of Darden Towe Park (including those along Free Bridge Lane until Winding River Lane, and those along Stony Point Road near the proposed intersection of Olympia Drive Extension and Stony Point (approximately 700 ft. north of Winding River Lane) are assumed to be in conflict with the project due to their proximity to the road and proposed project
- Assumed footages and units are reflected in PCES

WATER

- Evidence of existing water lines exist throughout
- GIS data indicates an existing water lines along Rio Road from John Warner Parkway south to Pen Park Lane, at tie-in location along Stony Point road and Olympia Drive Extension will be impacted
- Water lines will be impacted and are in conflict with proposed project due to their proximity to the proposed project
- Assumed footages and units are reflected in PCES

SEWER

- Evidence of existing sewer lines exist in few locations along the project
- GIS data indicates an existing sewer between the end of Pen Park Lane and the Rivanna River, running parallel to the river. Sewer lines will be impacted and are in conflict with proposed project due to a proposed crossing near the creek before the Rivanna River
- Assumed footages and units are reflected in PCES

GAS

- Evidence of an existing gas line that runs down Pen Park Lane and in a few additional locations along the project
- Existing gas is to be impacted due to proposed alignment shift
- Assumed footages and units are reflected in PCES

PETROLEUM

- No evidence of a petroleum line that will be impacted along the extents of the project
- Assumed no conflict

[ALTERNATIVE "D-1"] Intersection at Rio Road and John Warner Parkway. Three Phase Electric Pole with single telecommunication attachment along south western side of Rio Road (viewing South)

[ALTERNATIVE "D-1"] On Rio Road just south of Dunlora Drive. 8" Water Markings on the western edge of Rio Road and Singe Phase Electric Pole crossing Rio Road to be impacted (viewing South)

[ALTERNATIVE "D-1"] On Rio Road just south of Dunlora Drive. Telecommunications Pedestal and Pole with multiple attachments along the western edge of Rio Road to be impacted (viewing South)

[ALTERNATIVE "D-1"] On Rio Road between Dunlora Drive and Pen Park Road. Telecommunications Pole with multiple attachments along the western edge of Rio Road to be impacted (viewing West)

[ALTERNATIVE "D-1"] Intersection of Rio Road and Pen Park Road. 3 Phase Electric Pole with multiple telecommunications attachments along the eastern edge of Rio Road with crossings to be impacted (viewing South)

[ALTERNATIVE "D-1"] Intersection of Rio Road and Towne Lane. 3 Phase Electric Pole with multiple telecommunications attachments along the eastern edge of Rio Road with crossing and/or service drops to be impacted (viewing South)

[ALTERNATIVE "D-1"] Intersection of Rio Road and Towne Lane. 3 Phase Electric Pole with multiple telecommunications attachments along the eastern edge of Rio Road with crossing and/or service drops to be impacted (viewing South)

[ALTERNATIVE "D-1"] Intersection of Rio Road and Towne Lane. 3 Phase Electric Pole with multiple telecommunications attachments and a telecommunications pole line along the eastern edge of Rio Road with crossings and/or service drops (viewing East)

[ALTERNATIVE "D-1"] Rio Road just north of the intersection of Rio Road and Pen Park Lane. 3 Phase Electric Pole with multiple Telecommunications attachments and a telecommunications pole line along the eastern edge of Rio Road (viewing North)

[ALTERNATIVE "D-1"] End of Pen Park Lane at existing construction gate. This area to be impacted (viewing South)

[ALTERNATIVE "D-1"] End of Pen Park Lane at existing construction gate. The area to be impacted (viewing North)

[ALTERNATIVE "D-1"] Darden Towe Park area to be impacted (viewing North)

[ALTERNATIVE "D-1"] Darden Towe Park area to be impacted (viewing West)

[ALTERNATIVE "D-1"] Darden Towe Park area to be impacted (viewing South West)

[ALTERNATIVE "D-1"] Darden Towe Park area to be impacted (viewing South)

[ALTERNATIVE "D-1"] Pond at Darden Towe Park to be impacted (viewing North)

[ALTERNATIVE "D-1"] Pond and baseball fields at Darden Towe Park (viewing North East)

[ALTERNATIVE "D-1"] Aerial image of Transmission Power Line at Darden Towe Park entrance to be impacted.

[ALTERNATIVE "D-1"] Transmission Line crossing near Darden Towe Park entrance looking toward Free Bridge Lane. This area to be impacted (viewing South West)

[ALTERNATIVE "D-1"] Transmission Line crossing near Darden Towe Park entrance. This area to be impacted (viewing North)

ALTERNATIVE "D-1"] Transmission Line crossing near Darden Towe Park entrance looking toward Free Bridge Lane. This area to be impacted (viewing South West)

[ALTERNATIVE "D-1"] Just north of Winding River Lane on Stony Point Road. This area to be impacted (viewing East)

[ALTERNATIVE "D-1"] Intersection of Olympia Drive and Town and Country Lane. This area to be impacted (viewing North West)

[ALTERNATIVE "D-1"] Intersection of Olympia Drive and Town and Country Lane. This area to be the tie in point (viewing North West)