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DIRECTOR

Date: January 14, 2021

To: Public Works Committee

From: Rodney J. Scheel
Director of Planning & Development

Subject: 2021 Street & Sidewalk Project Design Points

We are preparing plans for the 2021 Street & Sidewalk Projects. This year's pulverization project is planned on Roby Road between Lincoln Avenue and Kings Lynn Road and also on Nygaard Street between Roby Road and Buckingham Road. We are seeking Public Works Committee input as outlined in the Sidewalk Installation Policy. Please come prepared to discuss these items.

Roby Road Pulverization Project (Lincoln Avenue to Kings Lynn Road) – *We recommend installing missing sidewalk on the north side of Roby Road between Sundt Lane and Chapin Lane to create a continuous system of sidewalks on both sides of the street in this segment. We don't recommend installing sidewalks on the north side of Roby Road between Lincoln Avenue and Sundt Lane.*

Roby Road is a collector level street that functions as the major east-west transportation corridor between USH 51 and Page Street also frequently used by pedestrians. The Right-of-way width in this segment is 80 feet and has a terrace of about 13 feet where sidewalks exist on the north side of Roby Road.

North side of Roby Road between Sundt Lane and Chapin Lane

In this segment, there are four properties that don't have sidewalks and two that do have sidewalks. Installation of sidewalks in this one block stretch will create a continuous ADA route on the north side of Roby Road in this segment. No retaining walls are anticipated to be needed to install this segment of sidewalk. Trees may be impacted but we may be able to shift the sidewalk within the right-of-way to minimize tree impacts.

North side of Roby Road between Lincoln Avenue and Sundt Lane

No sidewalks exist on the north side of this segment but sidewalks are continuous on the south side of this steep segment of Roby Road. Installation of sidewalks in this one block stretch would create a continuous route. Sidewalk construction in this segment would be significant due to the need for retaining walls and grading work. There would be significant impact on trees and landscaping features. In lieu of installing sidewalks in

this segment, crosswalks are proposed at Sundt Lane to direct pedestrians to the south side of Roby Road.

Sundt Lane –North of Roby Road – Street work is not planned for this segment in 2021, however, we want to discuss possible sidewalk installation since it is adjacent to the Roby Road project. Installing sidewalks on the east side of Sundt Lane on the one parcel at Roby Road would connect to existing sidewalks but it becomes discontinuous three parcels to the north. Installation of sidewalks on this one parcel is complicated by grade and landscaping. It would likely be necessary to install the sidewalk at the back of the curb with no terrace. *It is recommended that sidewalk not be installed at this time and to reconsider it when work on Sundt Lane is programmed. This will also allow for additional sidewalk infill to the north.*

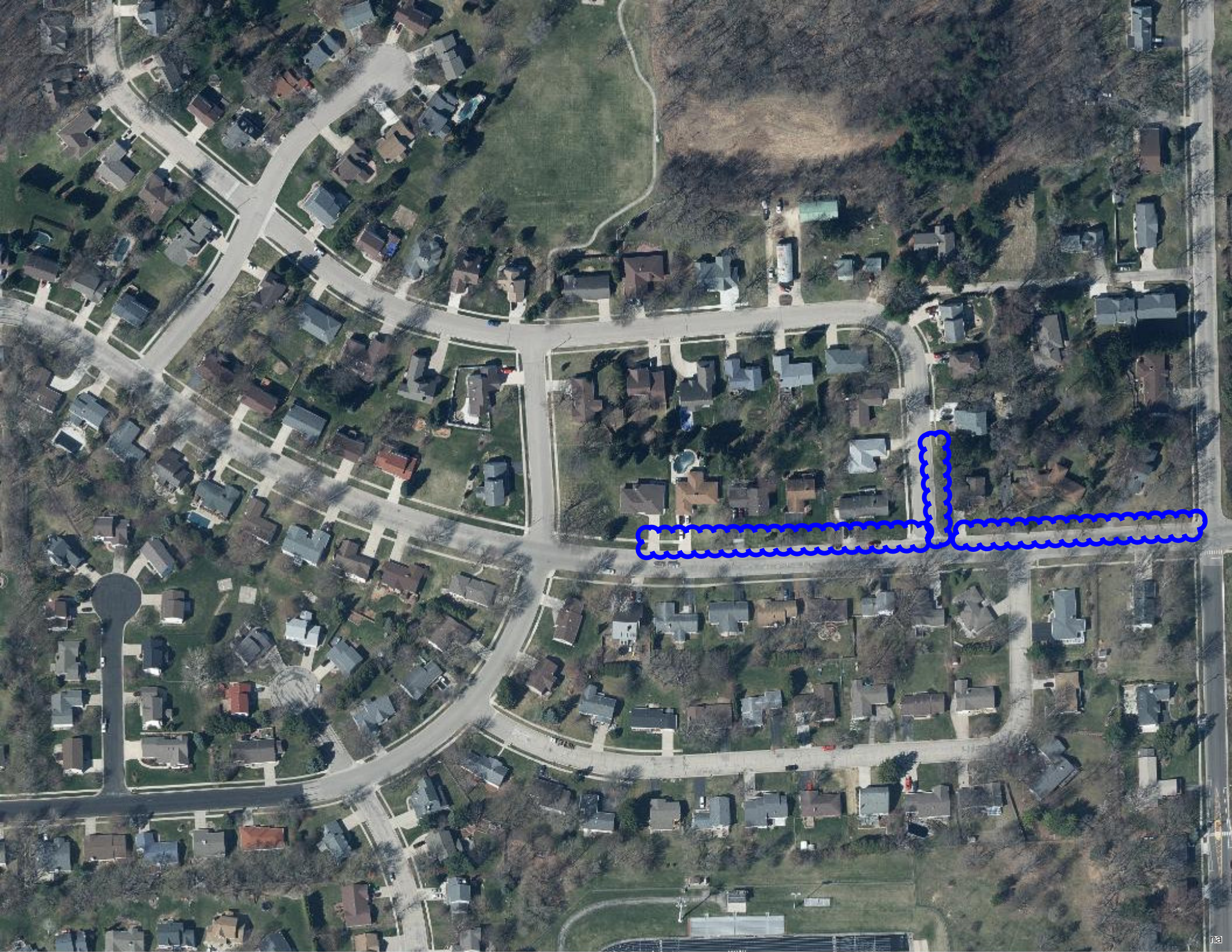
North Side of Roby Road between Johnson Street and Van Buren Street – Recall, storm sewer was scheduled to be installed to allow sump pump connection and infill of sidewalk in the 2020 project. However, bids came in above budget and it was removed from the project for 2020. The 2021 project is planned to include this sidewalk infill and storm sewer work.

Traffic Calming Islands – We are planning to install traffic calming islands at Roby Road and Chapin Lane.

Other sidewalk work in the Pulverization Project Areas – Defective sidewalk will be replaced at properties adjacent to the street pulverization work. Accessible ramps are being modified to bring them into compliance as necessary.

Additional sidewalk replacement – The 2021 Budget includes $60,000 for sidewalk replacement. Our project will target properties identified with defective and/or unsafe sidewalk sections

If you have any questions, please contact me.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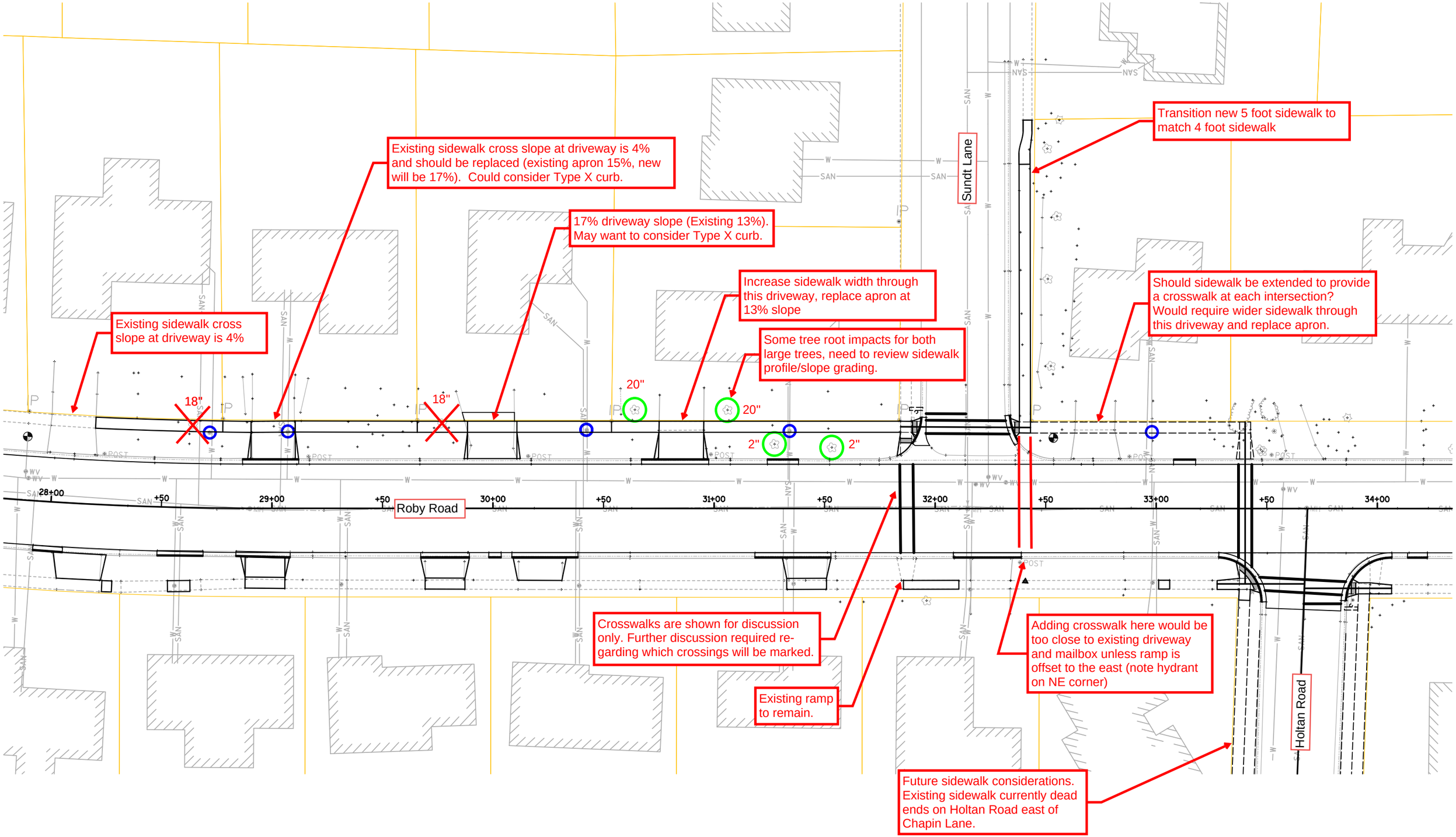
Existing sidewalk cross slope at driveway is 4% and should be replaced (existing apron 15%, new will be 17%). Could consider Type X curb.
17% driveway slope (Existing 13%). May want to consider Type X curb.
Increase sidewalk width through this driveway, replace apron at 13% slope
Some tree root impacts for both large trees, need to review sidewalk profile/slope grading.
Transition new 5 foot sidewalk to match 4 foot sidewalk
Should sidewalk be extended to provide a crosswalk at each intersection? Would require wider sidewalk through this driveway and replace apron.
Existing sidewalk cross slope at driveway is 4%
Sundt Lane
Roby Road
Holtan Road
18"
18"
20"
20"
2"
2"
28+00
29+00
30+00
31+00
32+00
33+00
34+00
Crosswalks are shown for discussion only. Further discussion required regarding which crossings will be marked.
Existing ramp to remain.
Adding crosswalk here would be too close to existing driveway and mailbox unless ramp is offset to the east (note hydrant on NE corner)
Future sidewalk considerations. Existing sidewalk currently dead ends on Holtan Road east of Chapin Lane.