

Patton Farm Road Culvert

Draft Avenue Bridge

LEGEND:

- Draft Avenue Corridor
- Wayne Avenue Corridor
- Johnson Drive -- Cold Springs Road Connection
- Cold Springs Road Corridor
- Sturats Draft Greenway (Conceptual)

JT TO SCALE



Sturats Draft Bicycle/Pedestrian Infrastructure Assessment

Study Areas

Sturats Draft, Virginia

Figure
1-1



LEGEND:

- Johnson Drive to Cold Springs Road Connection
- Reference Location (Refer to Figure #)

JT TO SCALE



Stuarts Draft Bicycle/Pedestrian Infrastructure Assessment Assessment Locations – Johnson Dr to Cold Springs Rd Stuarts Draft, Virginia

Figure
2-1



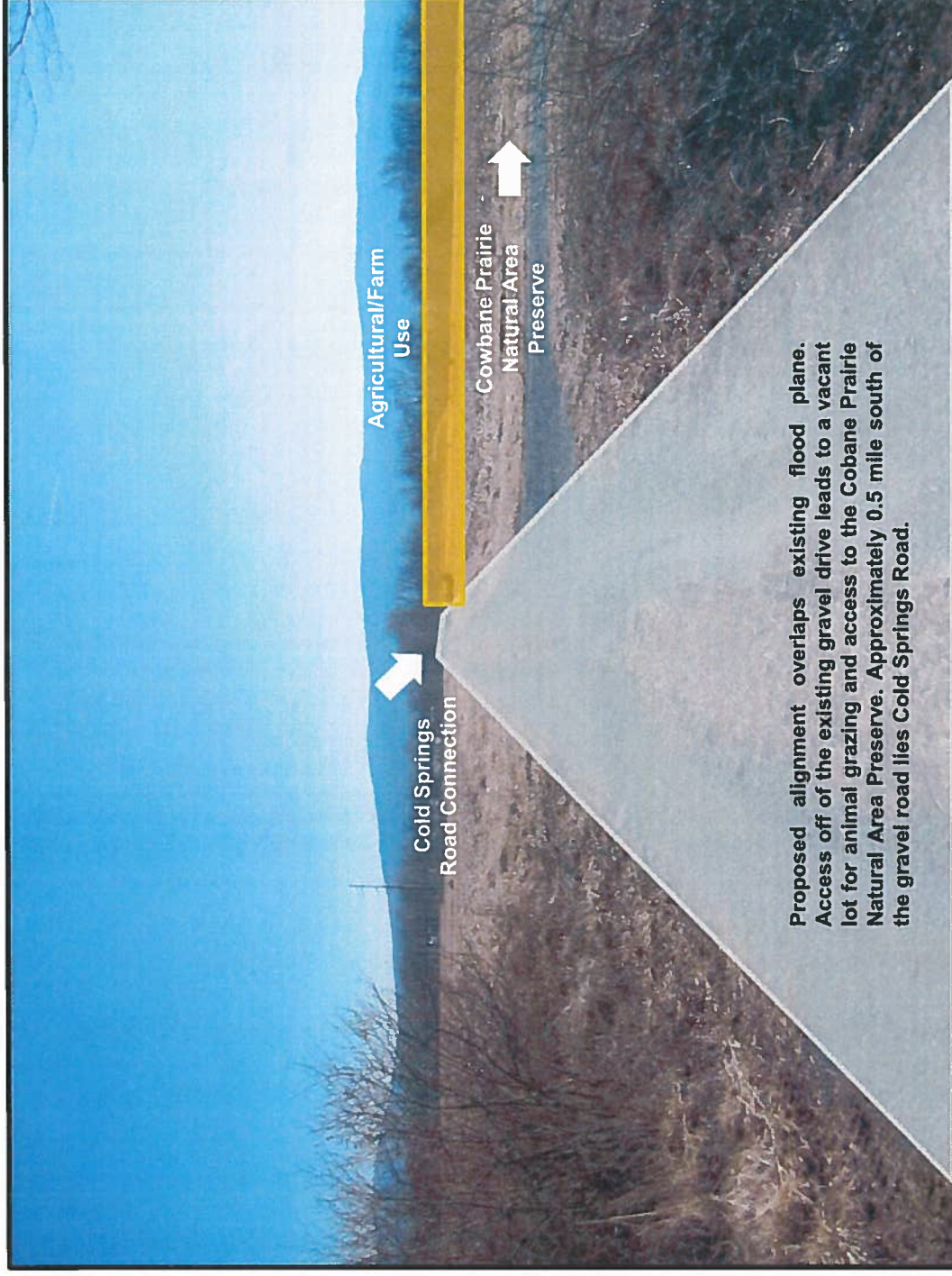
No posted speed limit on Johnson Drive, but 25 MPH posted speed limit posted at the Hershey's industrial site entrance. Heavy vehicle volumes due to industrial in the surrounding area. Beginning of the flood zone starts directly beyond the gate.

Johnson Drive - Southbound

Stuarts Draft Bicycle/Pedestrian Infrastructure Assessment
 Johnson Dr to Cold Springs Rd Connection
 Stuarts Draft, Virginia



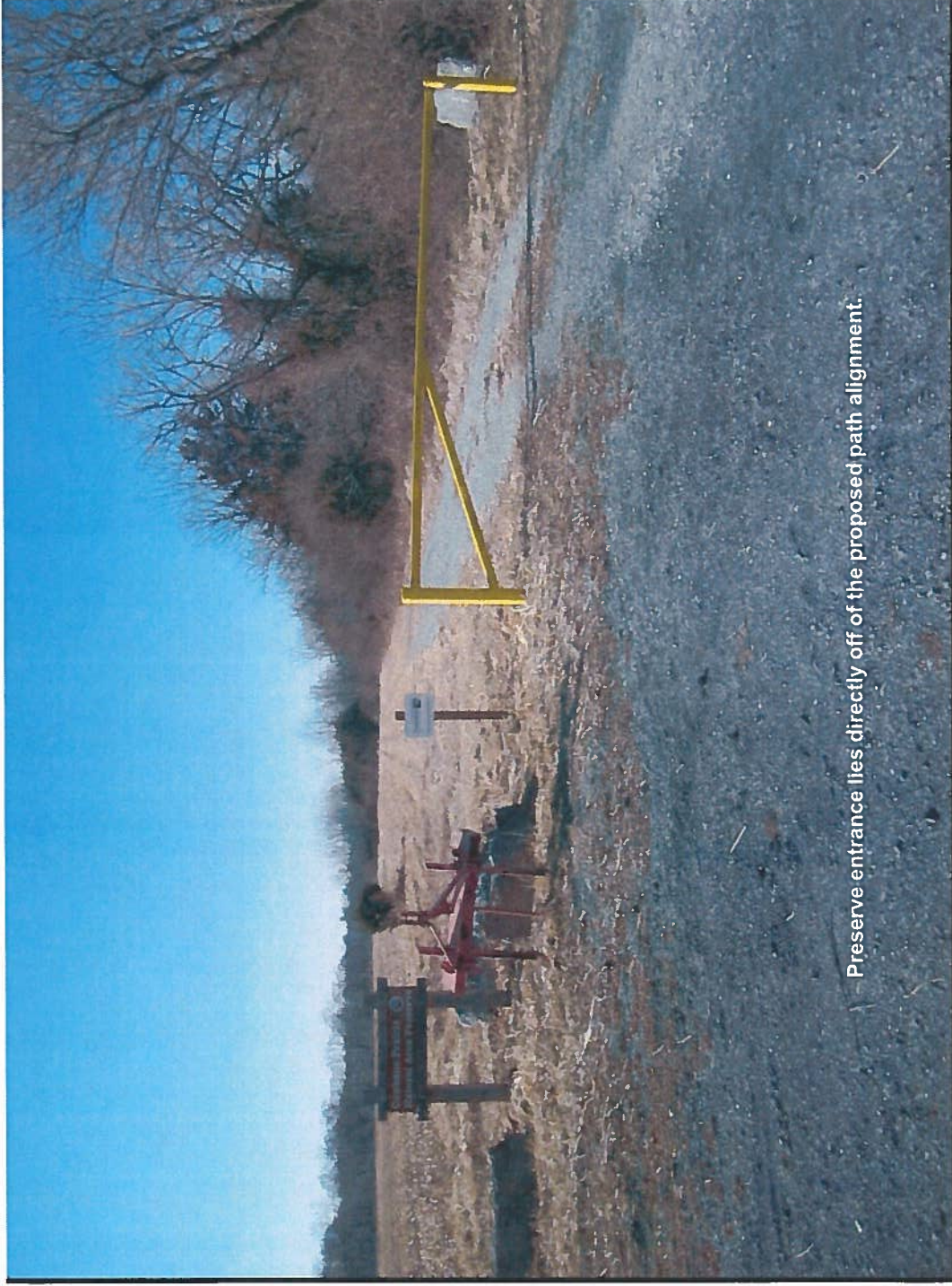
Figure
 2-3



Johnson Drive - Southbound

Stuarts Draft Bicycle/Pedestrian Infrastructure Assessment
 Johnson Dr to Cold Springs Rd Connection
 Stuarts Draft, Virginia

Figure
 2-4

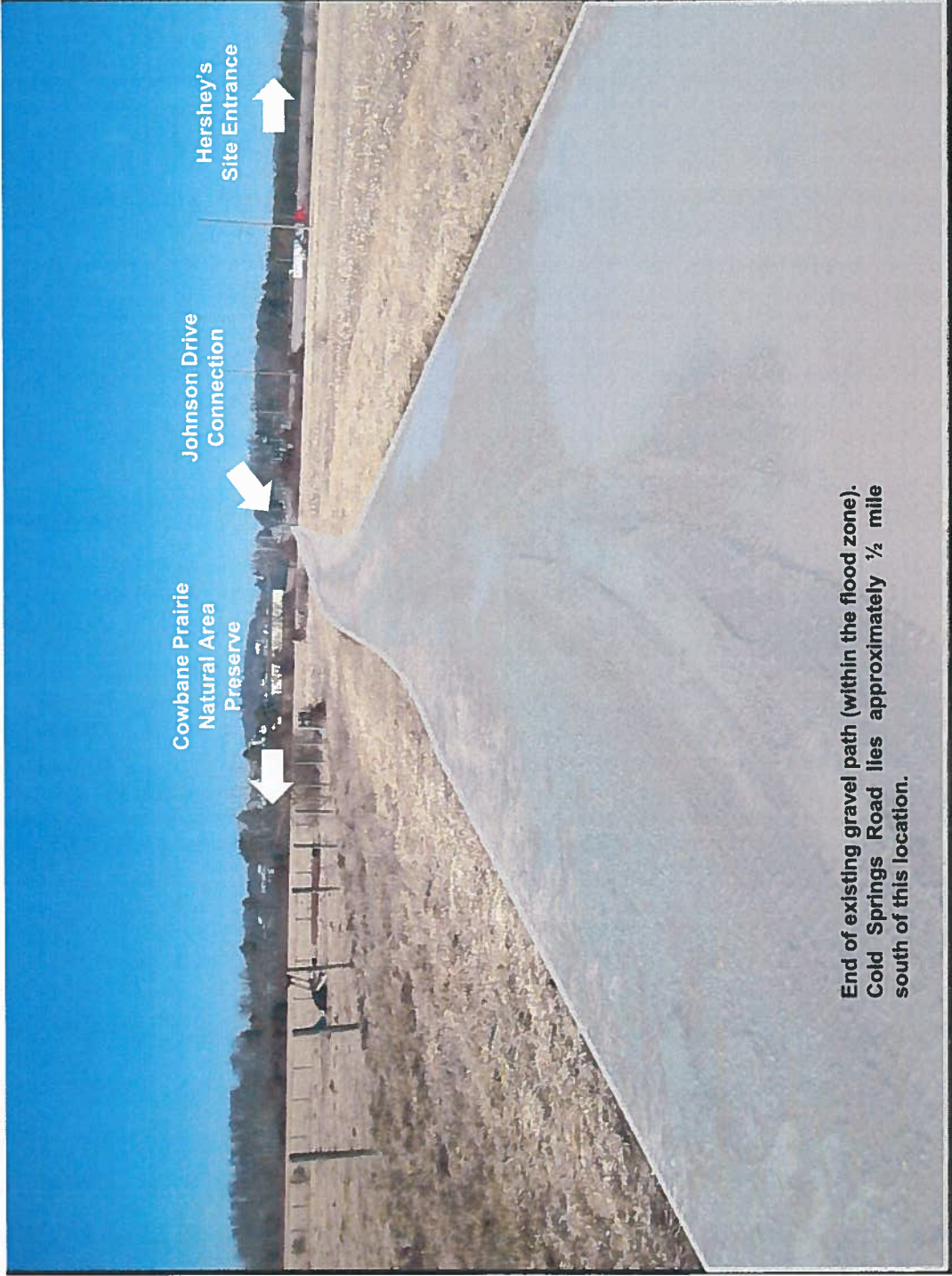


Preserve entrance lies directly off of the proposed path alignment.

Cowbane Prairie Natural Area Preserve Entrance - Westbound

Stuarts Draft Bicycle/Pedestrian Infrastructure Assessment
Johnson Dr to Cold Springs Rd Connection
Stuarts Draft, Virginia

Figure
2-5



Johnson Drive - Northbound

Stuarts Draft Bicycle/Pedestrian Infrastructure Assessment
 Johnson Dr to Cold Springs Rd Connection
 Stuarts Draft, Virginia

Figure
 2-6



Johnson Drive lies approximately 1/2 mile north of this location. Proposed path location would require drainage improvements at this location, in addition to the grade changes from the main roadway. Sidewalk improvements leading to the path are recommended for local pedestrian access. Keeping sidewalk improvements to the north of Cold Springs Road would limit ROW impacts along the corridor.

Cold Springs Road & Horseshoe Circle - Northbound

Stuarts Draft Bicycle/Pedestrian Infrastructure Assessment
 Johnson Dr to Cold Springs Rd Connection
 Stuarts Draft, Virginia

Figure
 2-7

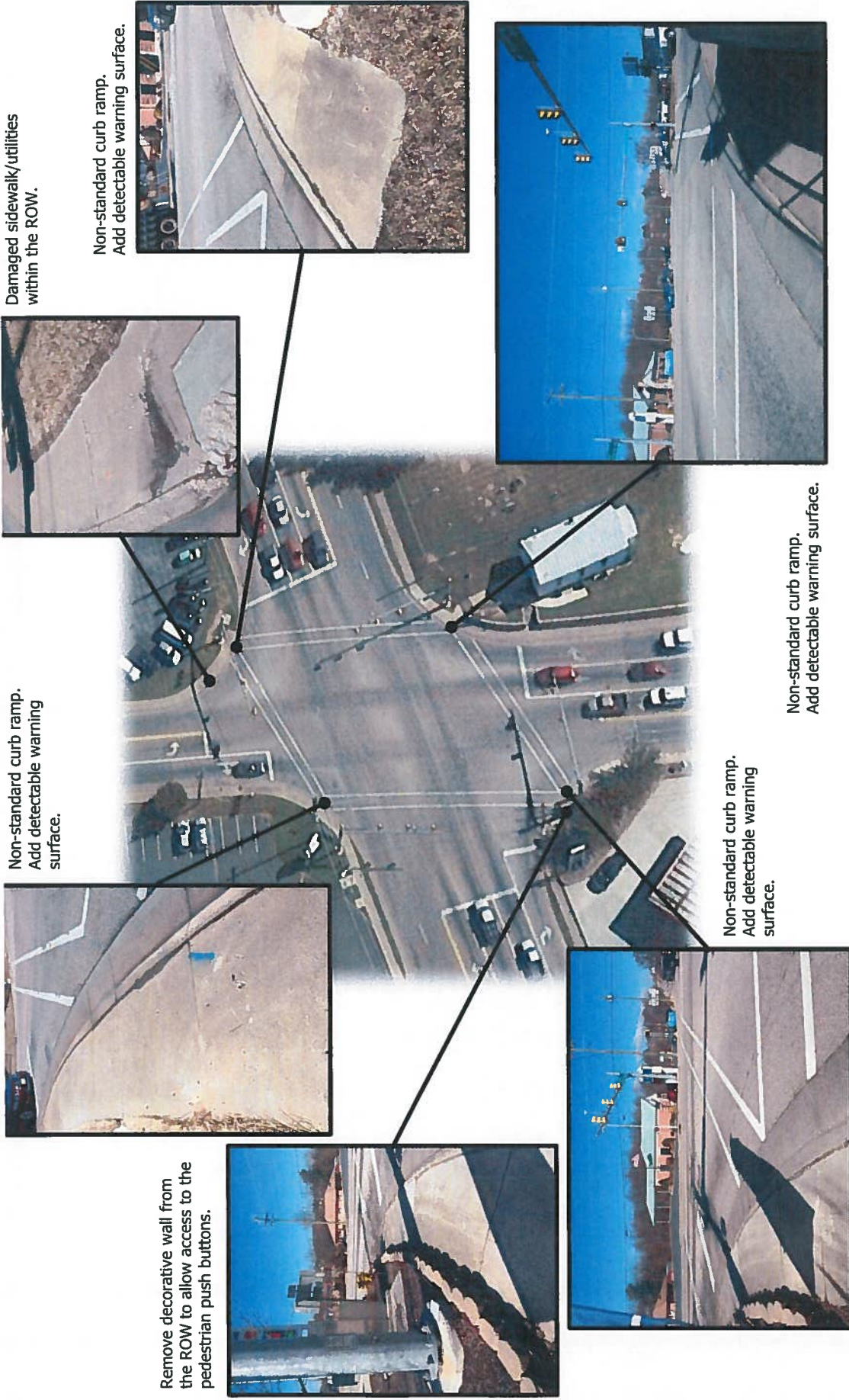


NOT TO SCALE

Stuarts Draft Bicycle/Pedestrian Infrastructure Assessment
 Assessment Locations – Draft Avenue
 Stuarts Draft, Virginia

Figure 5-1





Remove decorative wall from the ROW to allow access to the pedestrian push buttons.

Non-standard curb ramp. Add detectable warning surface.


Non-standard curb ramp. Add detectable warning surface.

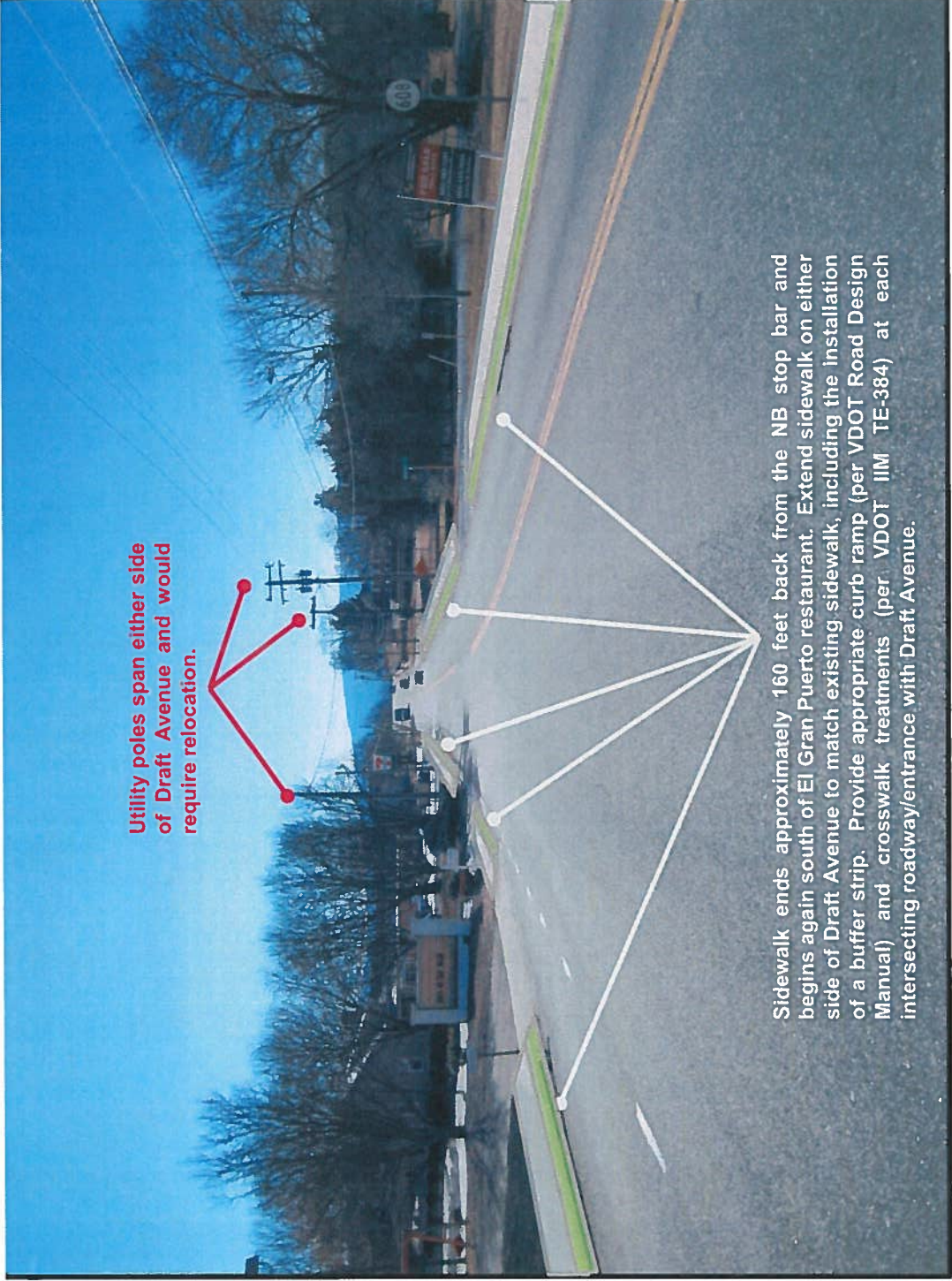
Damaged sidewalk/utilities within the ROW.

Non-standard curb ramp. Add detectable warning surface.

Non-standard curb ramp. Add detectable warning surface.

JT TO SCALE

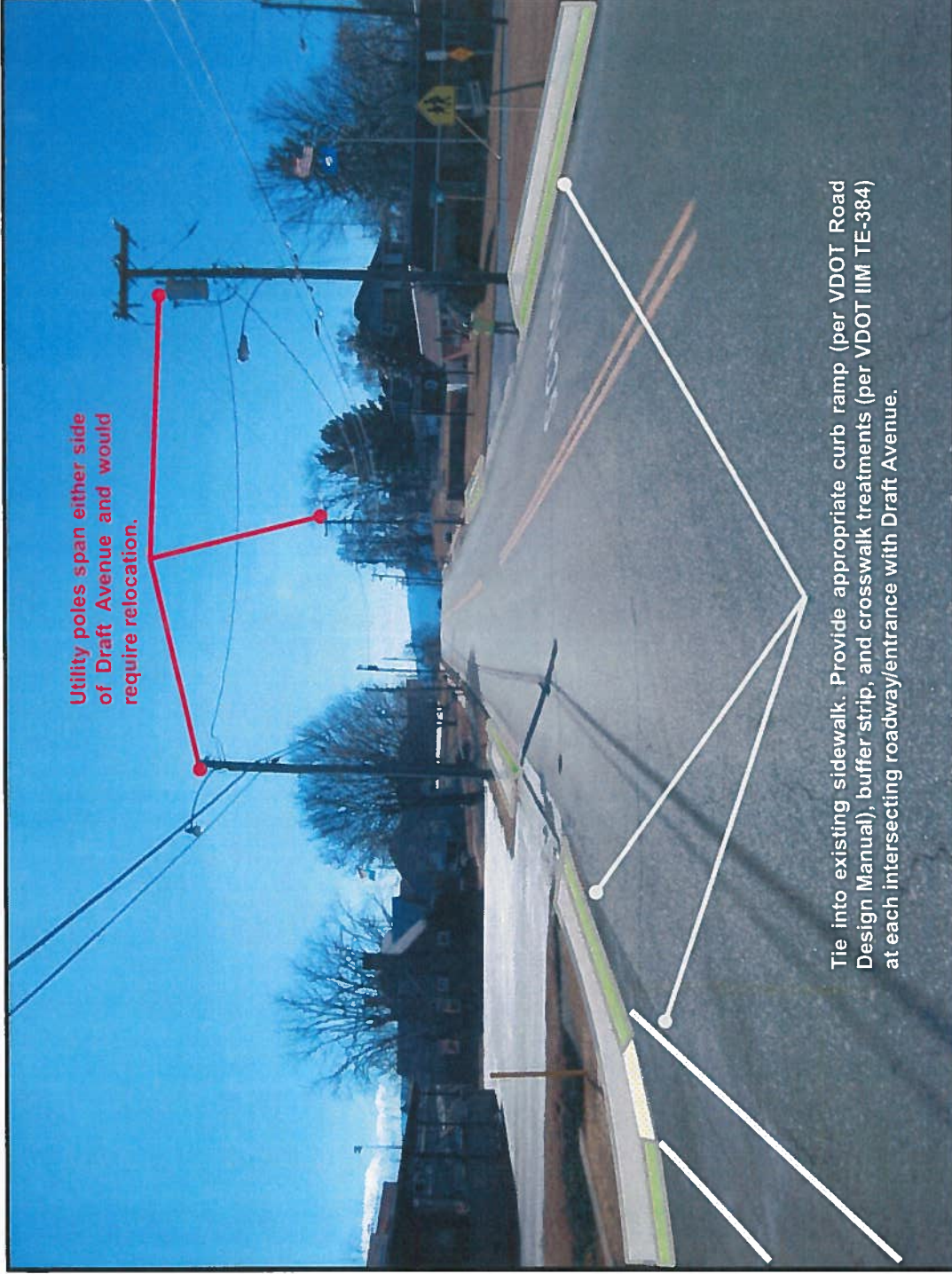
	<p>Stuarts Draft Bicycle/Pedestrian Infrastructure Assessment Draft Avenue Corridor Signalized Intersection – Stuarts Draft Hwy & Draft Ave Stuarts Draft, Virginia</p>	<p>Figure 5-2</p>
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Draft Avenue - Southbound

Stuarts Draft Bicycle/Pedestrian Infrastructure Assessment
 Draft Avenue Corridor
 Stuarts Draft, Virginia

Figure
 5-3



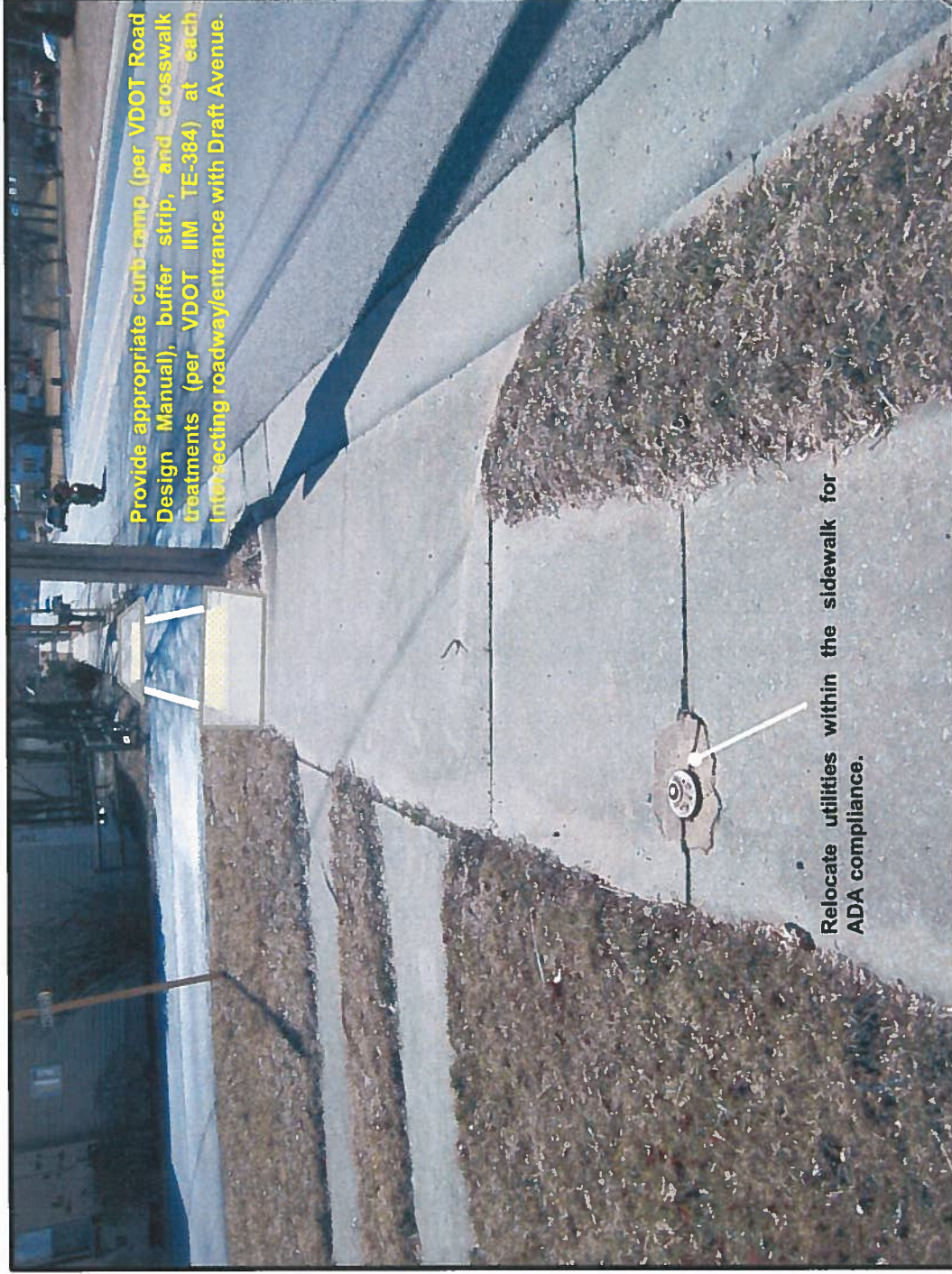
Utility poles span either side of Draft Avenue and would require relocation.

Tie into existing sidewalk. Provide appropriate curb ramp (per VDOT Road Design Manual), buffer strip, and crosswalk treatments (per VDOT IIM TE-384) at each intersecting roadway/entrance with Draft Avenue.

Draft Avenue - Southbound

Stuarts Draft Bicycle/Pedestrian Infrastructure Assessment
 Draft Avenue Corridor
 Stuarts Draft, Virginia

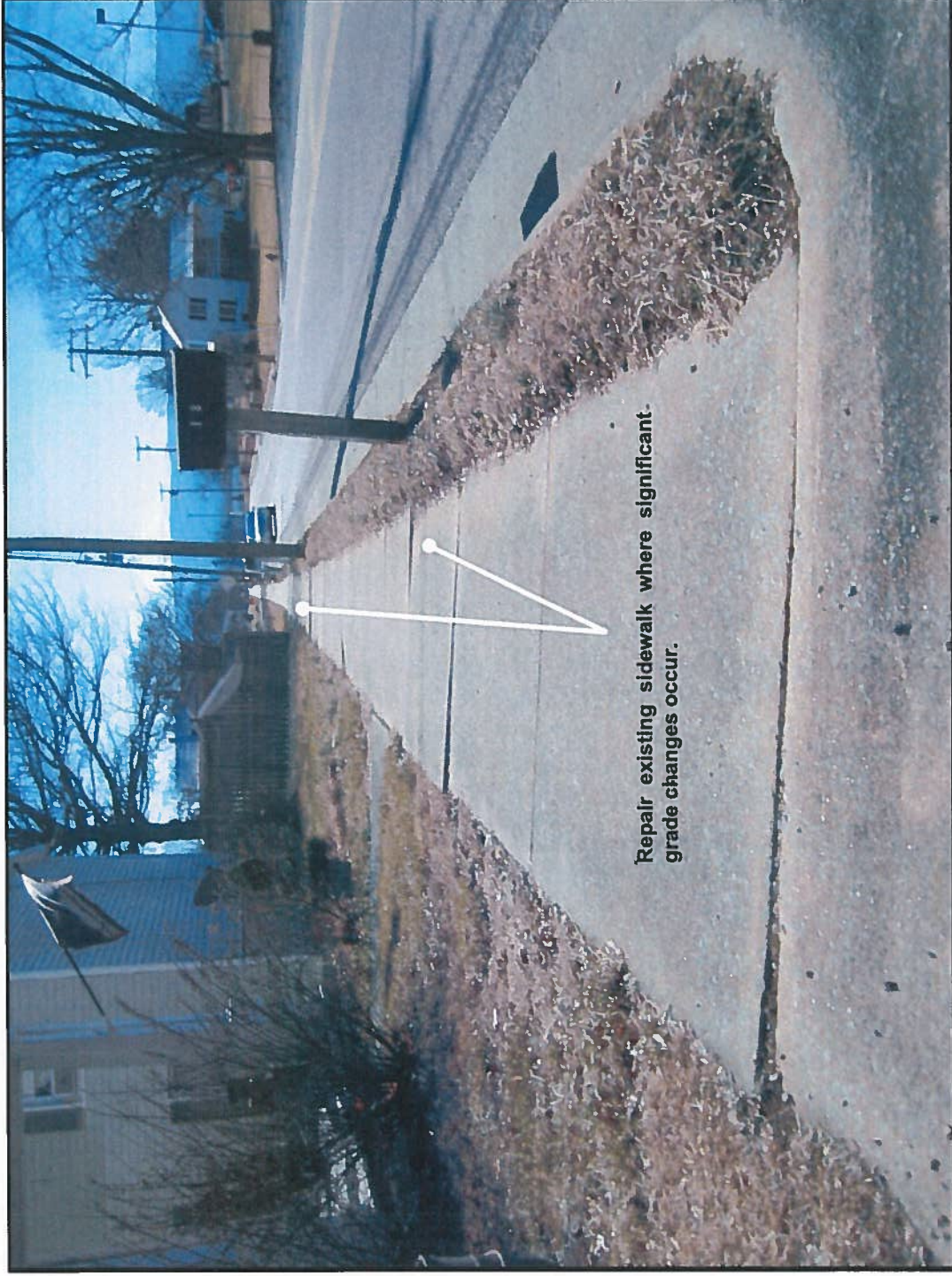
Figure
 5-4



Draft Avenue - Southbound

Stuarts Draft Bicycle/Pedestrian Infrastructure Assessment
 Draft Avenue Corridor
 Stuarts Draft, Virginia

Figure
 5-5

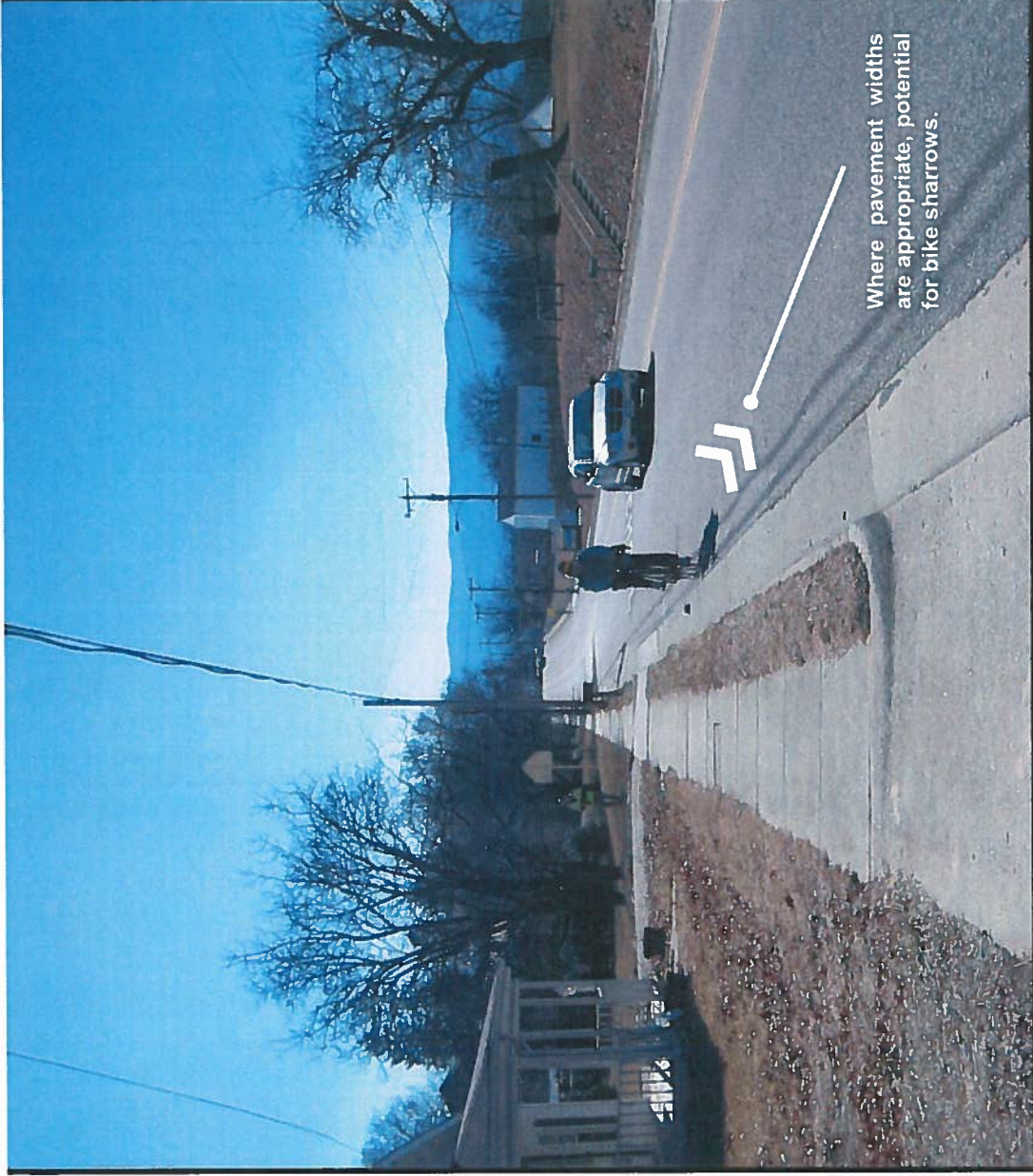


Repair existing sidewalk where significant grade changes occur.

Draft Avenue - Southbound

Stuarts Draft Bicycle/Pedestrian Infrastructure Assessment
Draft Avenue Corridor
Stuarts Draft, Virginia

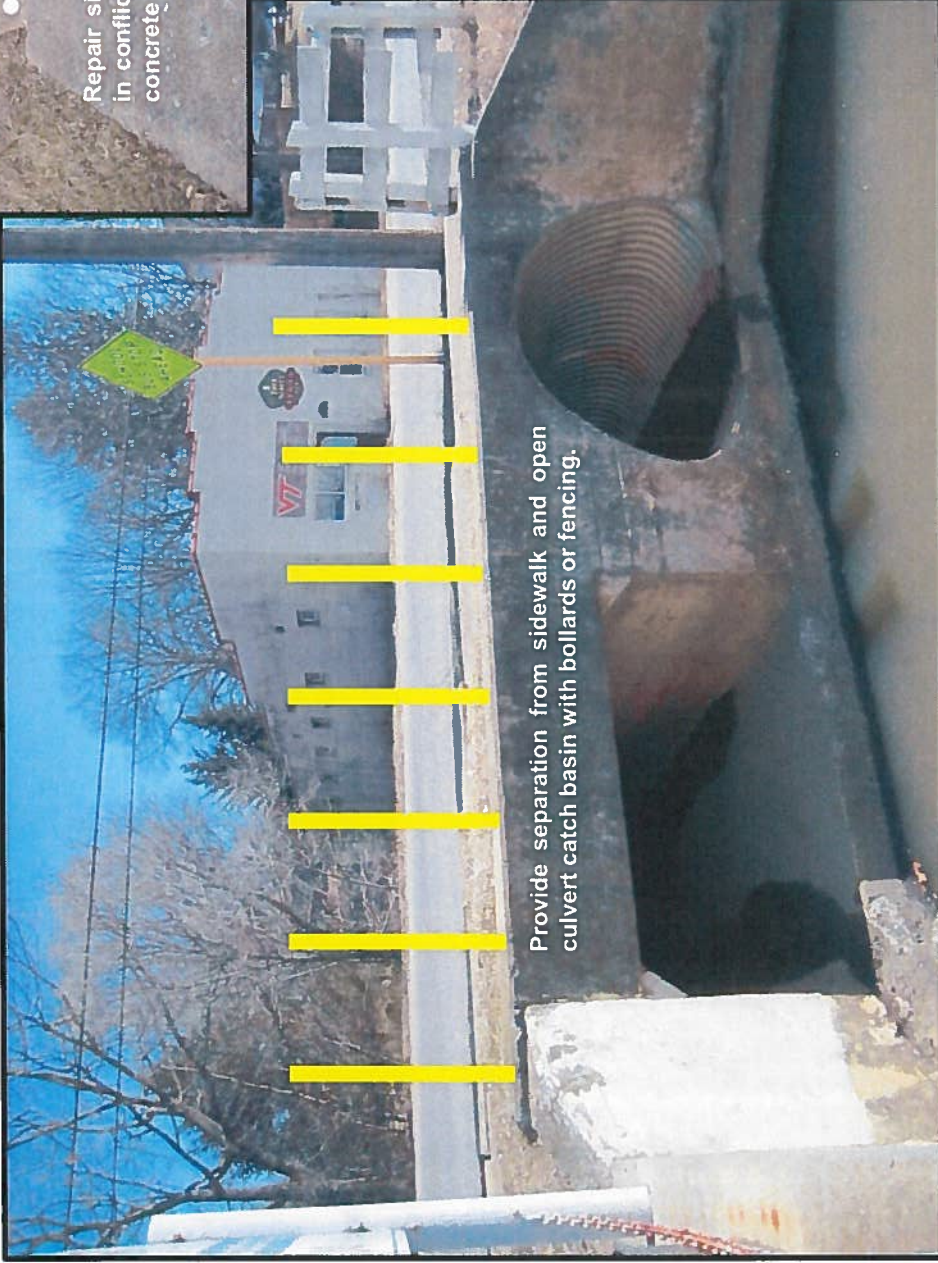
Figure
5-6



Draft Avenue - Southbound

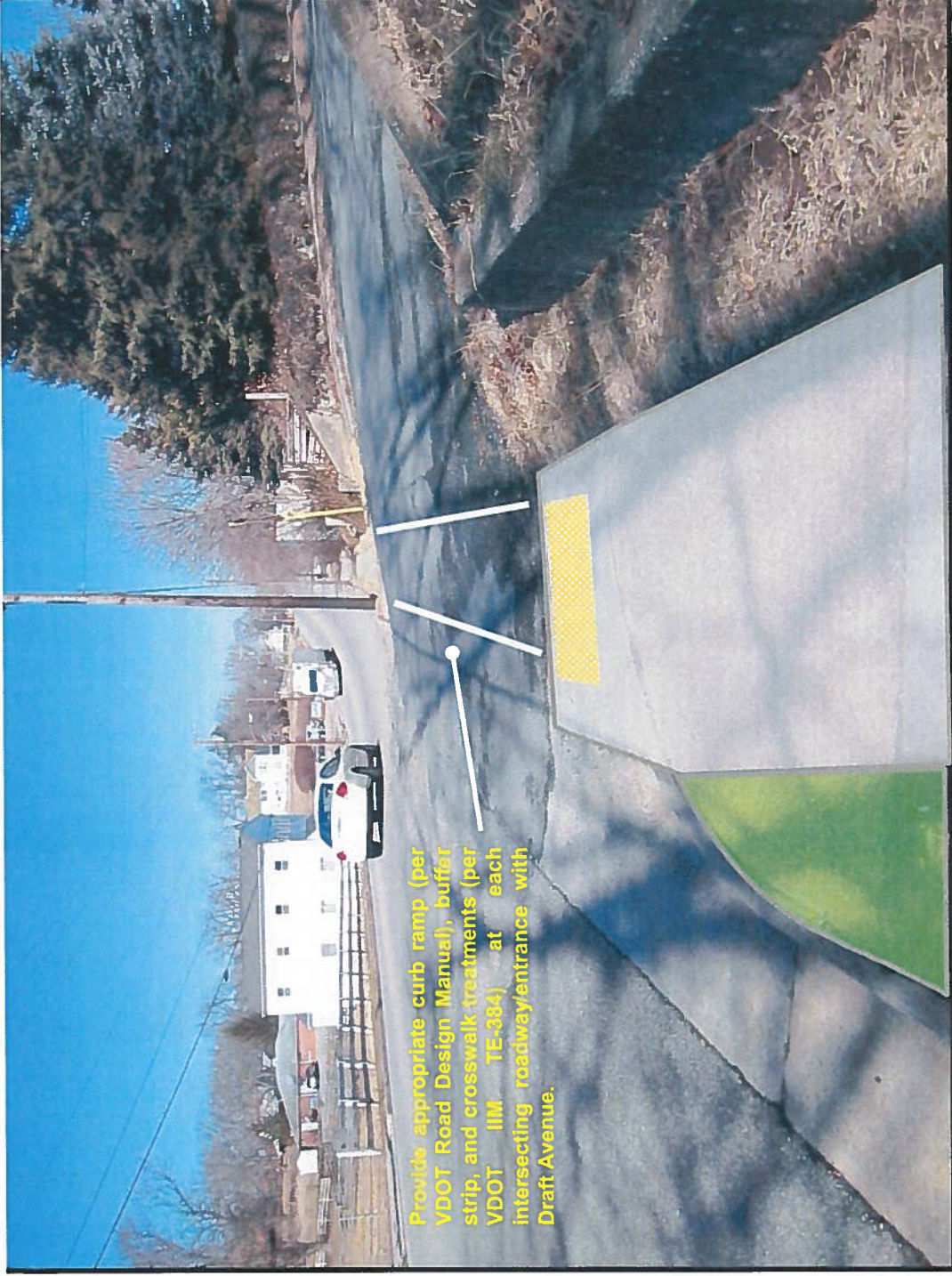
Stuarts Draft Bicycle/Pedestrian Infrastructure Assessment
 Draft Avenue Corridor
 Stuarts Draft, Virginia

Figure
 5-7



Stuarts Draft Bicycle/Pedestrian Infrastructure Assessment
 Draft Avenue Corridor
 Stuarts Draft, Virginia

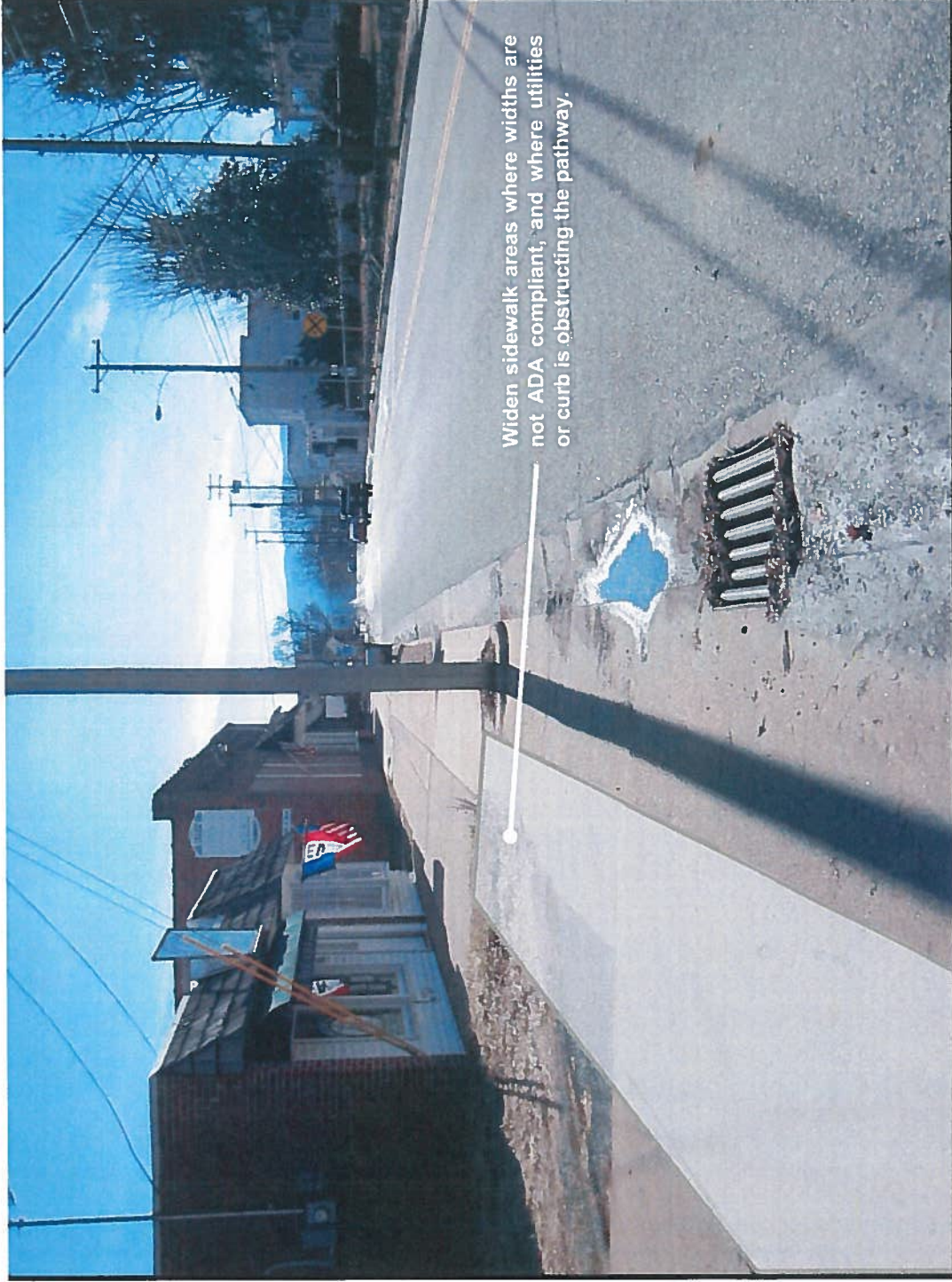
Figure
 5-8



Draft Avenue - Northbound

Stuarts Draft Bicycle/Pedestrian Infrastructure Assessment
 Draft Avenue Corridor
 Stuarts Draft, Virginia

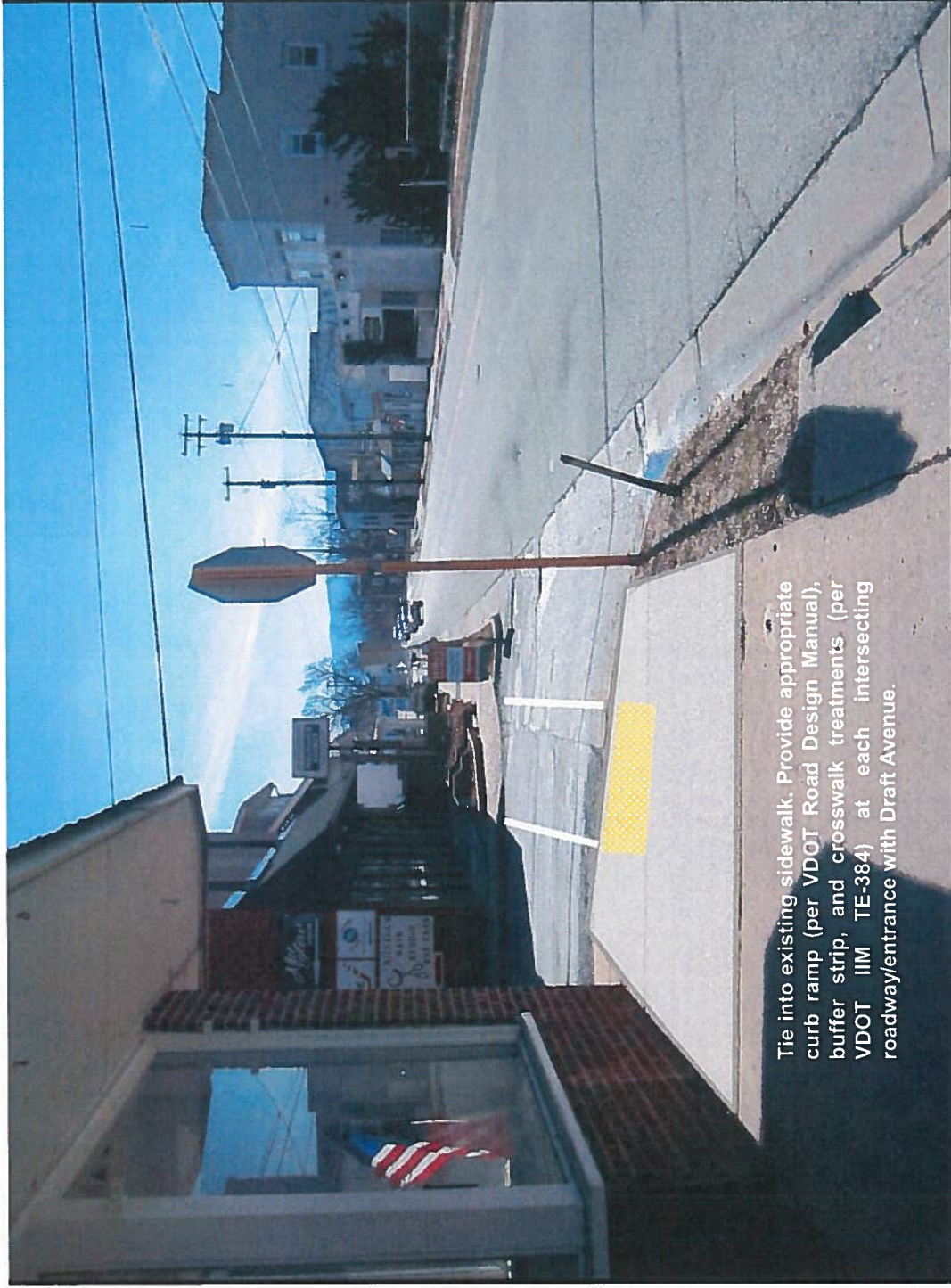
Figure
 5-9



Draft Avenue - Southbound

Stuarts Draft Bicycle/Pedestrian Infrastructure Assessment
 Draft Avenue Corridor
 Stuarts Draft, Virginia

Figure
 5-10

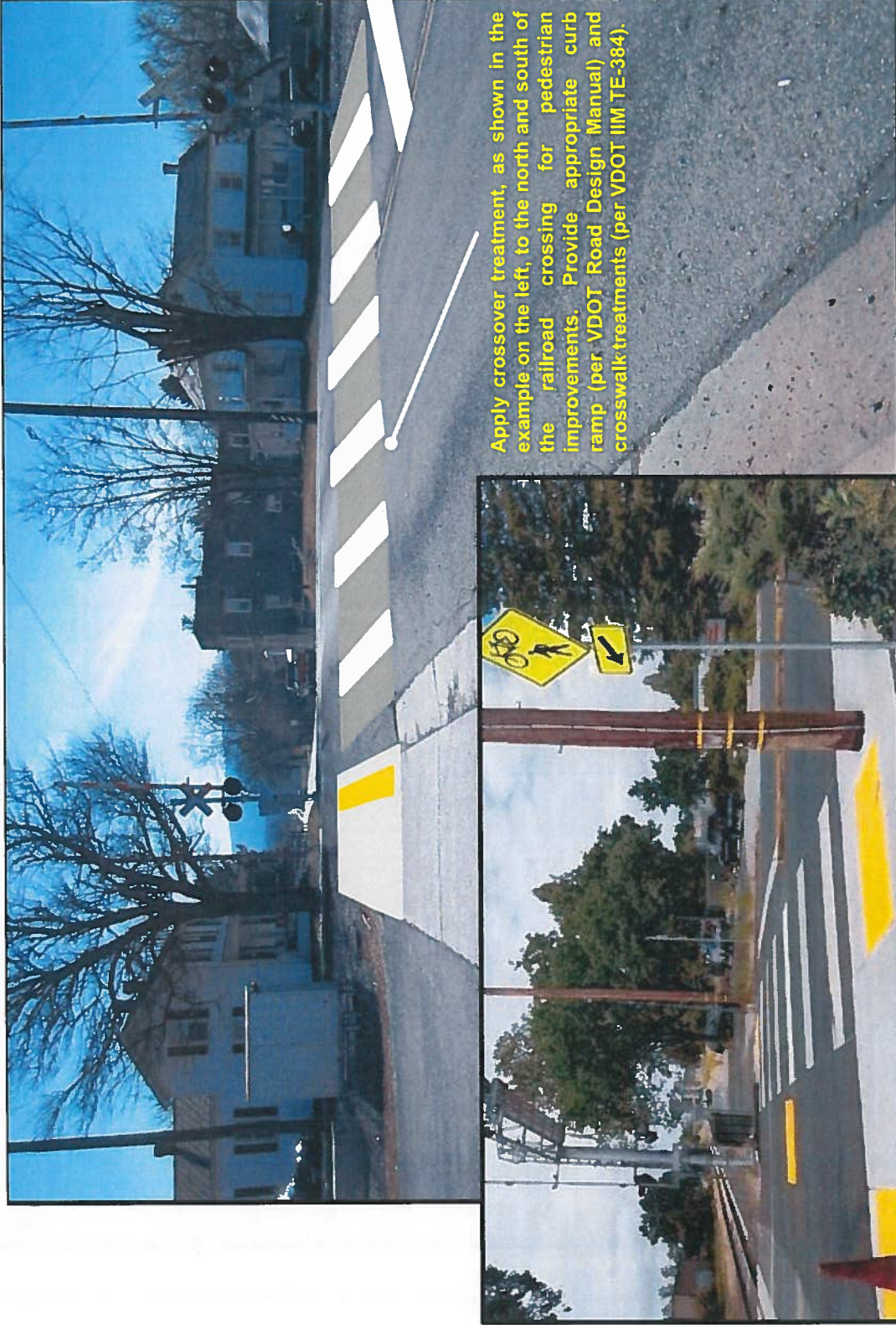


Tie into existing sidewalk. Provide appropriate curb ramp (per VDOT Road Design Manual), buffer strip, and crosswalk treatments (per VDOT IM TE-384) at each intersecting roadway/entrance with Draft Avenue.

Draft Avenue - Southbound

Stuarts Draft Bicycle/Pedestrian Infrastructure Assessment
 Draft Avenue Corridor
 Stuarts Draft, Virginia

Figure
 5-11

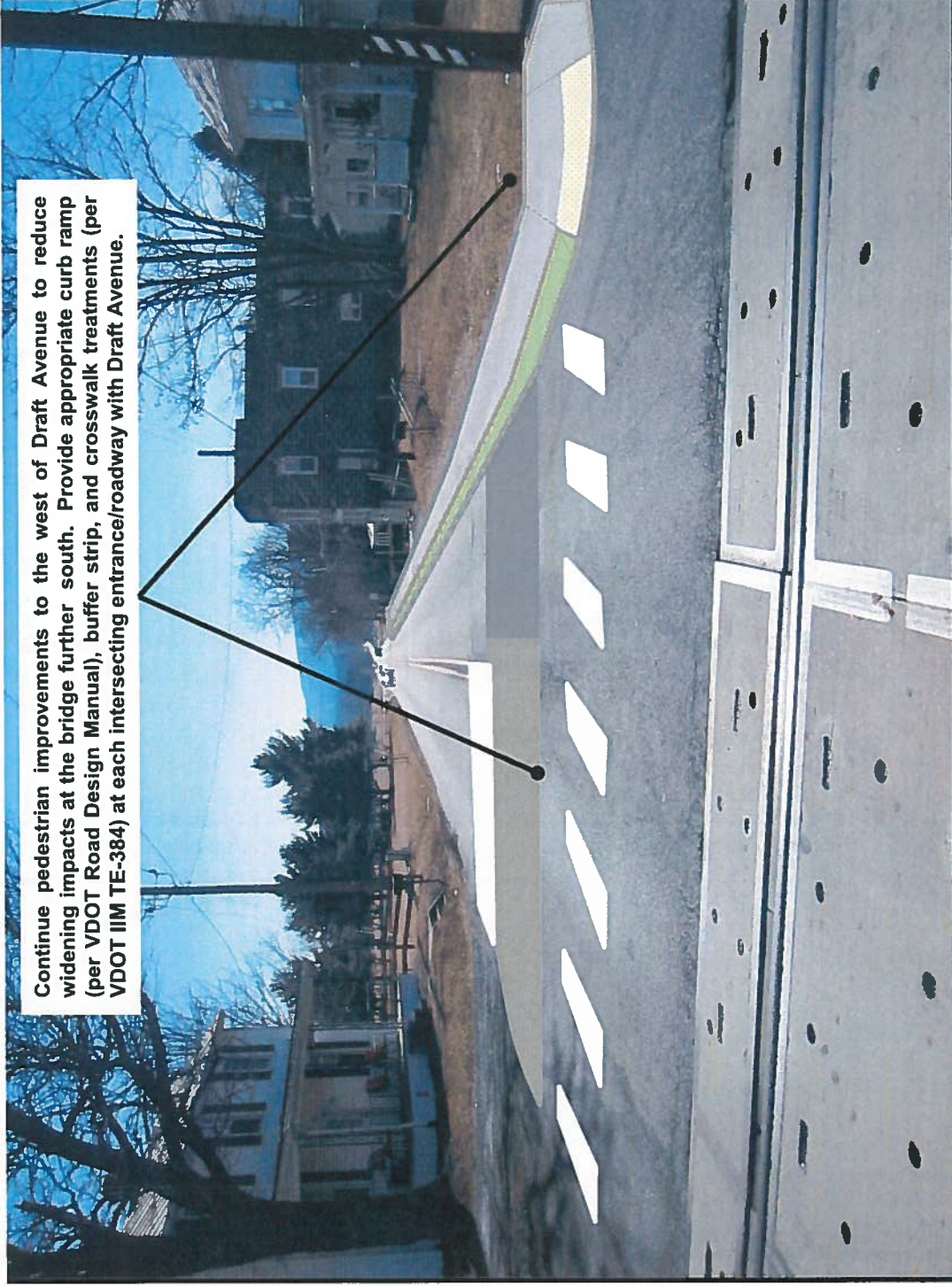


Draft Avenue - Southbound

Stuarts Draft Bicycle/Pedestrian Infrastructure Assessment
 Draft Avenue Corridor
 Stuarts Draft, Virginia

Figure
 5-12

Continue pedestrian improvements to the west of Draft Avenue to reduce widening impacts at the bridge further south. Provide appropriate curb ramp (per VDOT Road Design Manual), buffer strip, and crosswalk treatments (per VDOT IIM TE-384) at each intersecting entrance/roadway with Draft Avenue.

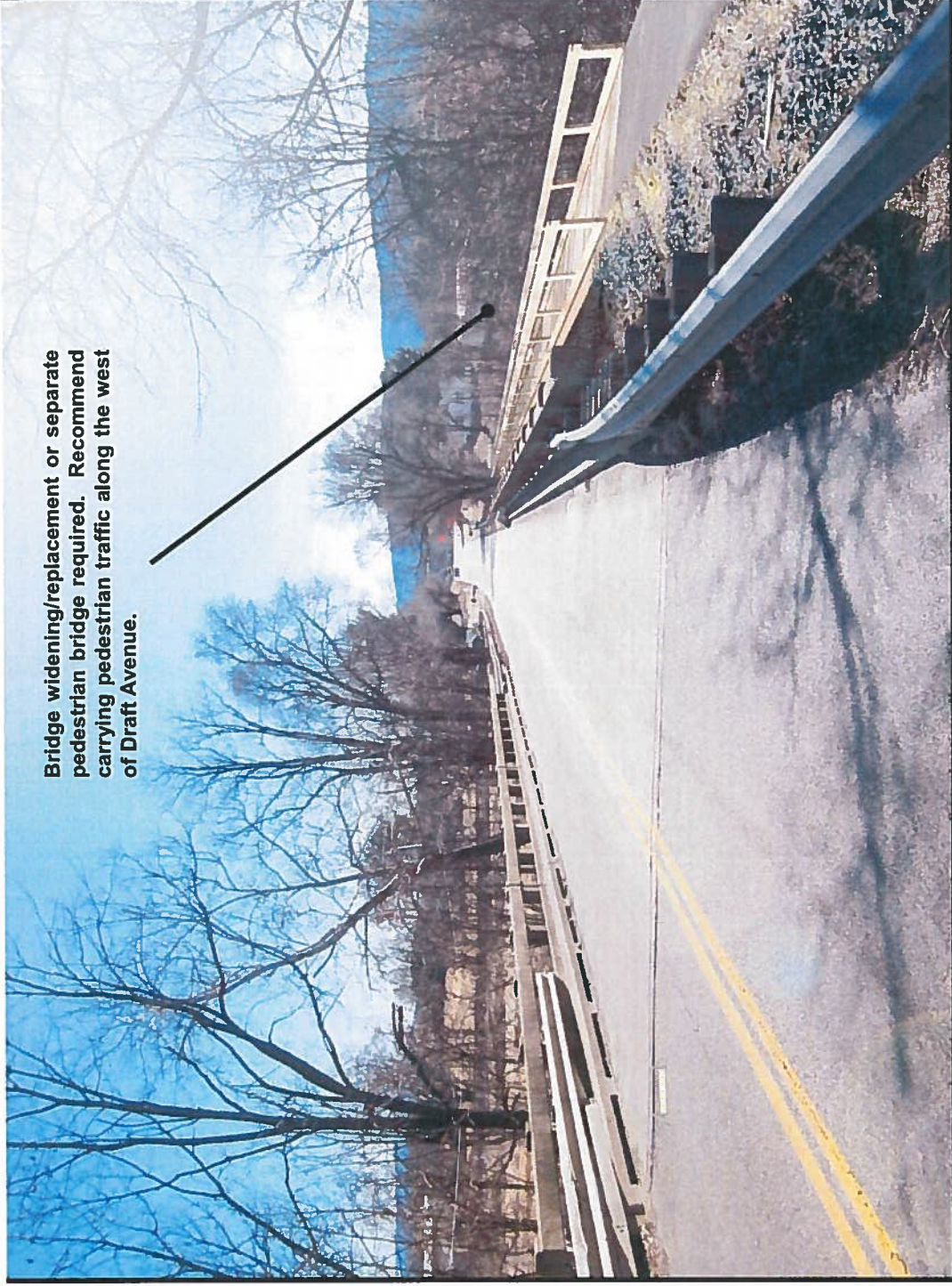


Draft Avenue - Southbound

Stuarts Draft Bicycle/Pedestrian Infrastructure Assessment
Draft Avenue Corridor
Stuarts Draft, Virginia

Figure
5-13

Bridge widening/replacement or separate pedestrian bridge required. Recommend carrying pedestrian traffic along the west of Draft Avenue.

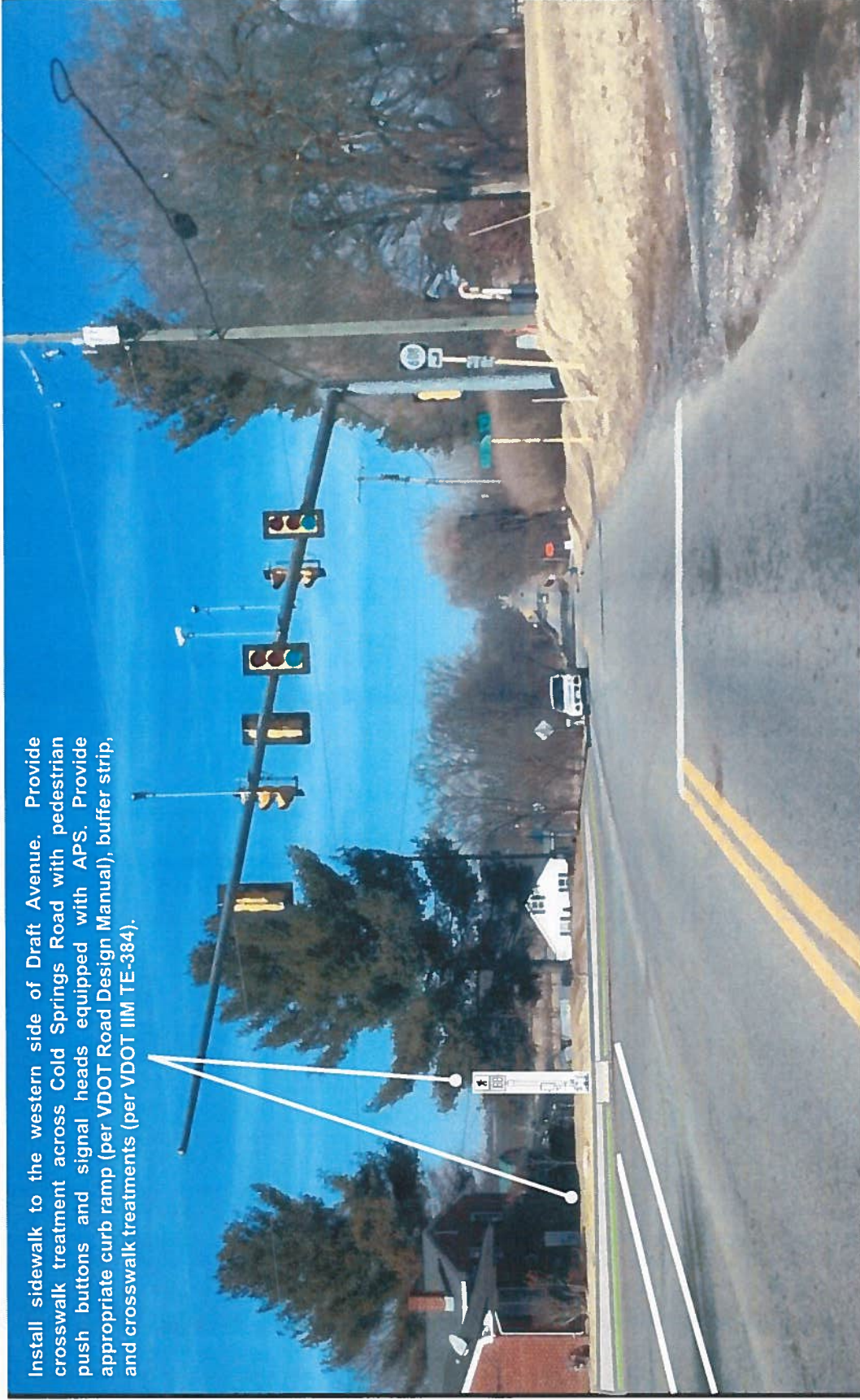


Draft Avenue - Southbound

Stuarts Draft Bicycle/Pedestrian Infrastructure Assessment
Draft Avenue Corridor
Stuarts Draft, Virginia

Figure
5-14

Install sidewalk to the western side of Draft Avenue. Provide crosswalk treatment across Cold Springs Road with pedestrian push buttons and signal heads equipped with APS. Provide appropriate curb ramp (per VDOT Road Design Manual), buffer strip, and crosswalk treatments (per VDOT IIM TE-384).



Draft Avenue - Northbound

Stuarts Draft Bicycle/Pedestrian Infrastructure Assessment
Draft Avenue Corridor
Stuarts Draft, Virginia

Figure
5-15

Continue sidewalk along the western portion of Howardsville Turnpike. Relocation of overhead utilities and drainage improvements within the ROW are required. Steep slopes may require a retaining wall behind the sidewalk. Provide appropriate buffer strip.



Howardsville Turnpike/Hodges Street - Northbound

Stuarts Draft Bicycle/Pedestrian Infrastructure Assessment
Draft Avenue Corridor
Stuarts Draft, Virginia

Figure
5-16

Continue sidewalk along the western portion of Howardsville Turnpike. Drainage improvements will likely be required. Steep slopes may require a retaining wall behind the sidewalk. Provide appropriate curb ramp (per VDOT Road Design Manual), buffer strip, and crosswalk treatments (per VDOT IIM TE-384) at each intersecting roadway/entrance.



Howardsville Turnpike/Hodges Street - Southbound

Stuarts Draft Bicycle/Pedestrian Infrastructure Assessment
 Draft Avenue Corridor
 Stuarts Draft, Virginia

Figure
 5-17





JT TO SCALE

Stuarts Draft Bicycle/Pedestrian Infrastructure Assessment Assessment Locations – Wayne Avenue Stuarts Draft, Virginia

Figure
6-1



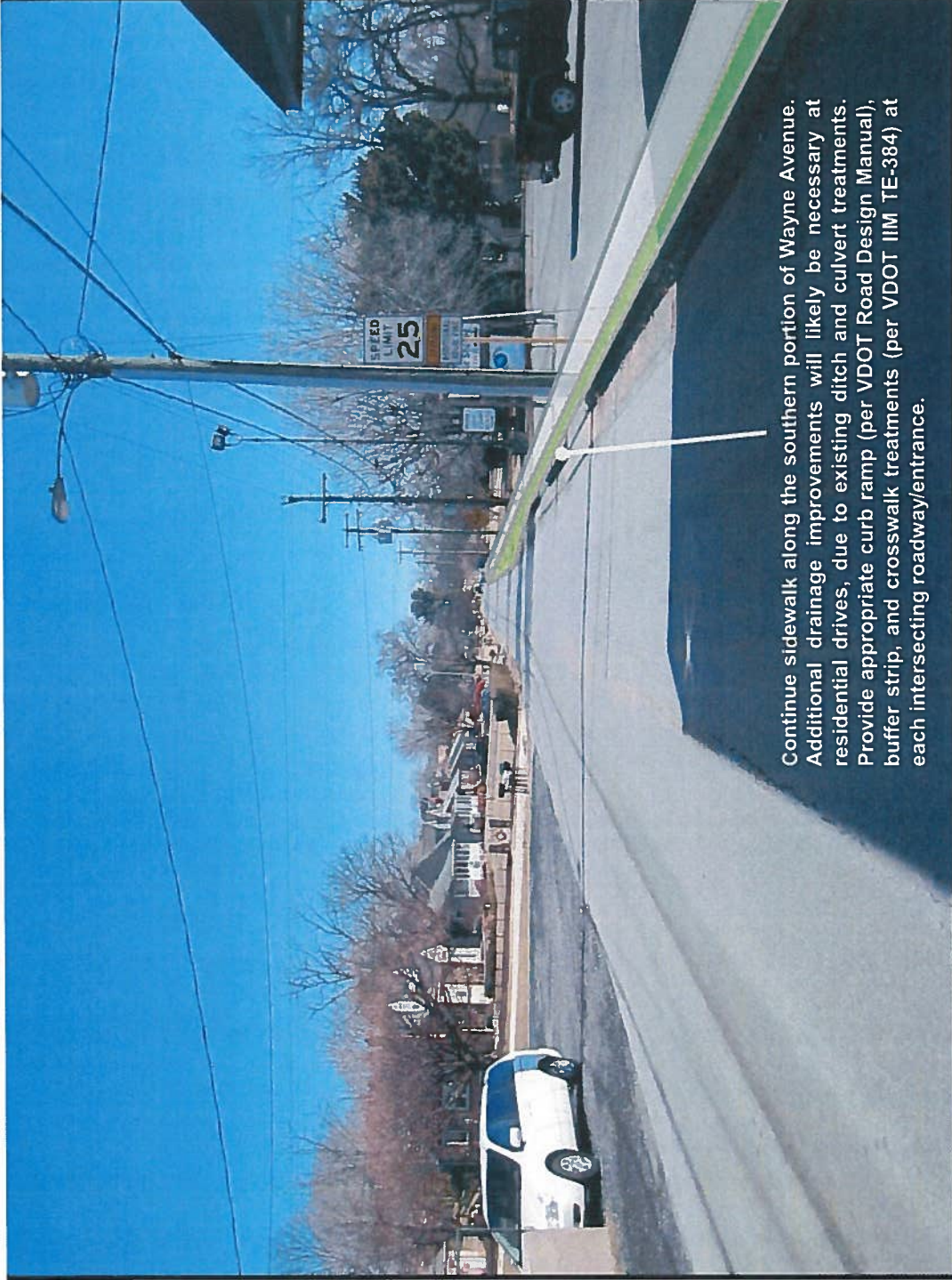
Existing sidewalk along the southern portion of Wayne Avenue extends for approximately 200 feet and terminates at the parking lot serving commercial retail on the left of the photo above.

Wayne Avenue - Westbound

Stuarts Draft Bicycle/Pedestrian Infrastructure Assessment
 Wayne Avenue Corridor
 Stuarts Draft, Virginia

Figure
 6-2





Continue sidewalk along the southern portion of Wayne Avenue. Additional drainage improvements will likely be necessary at residential drives, due to existing ditch and culvert treatments. Provide appropriate curb ramp (per VDOT Road Design Manual), buffer strip, and crosswalk treatments (per VDOT IIM TE-384) at each intersecting roadway/entrance.

Wayne Avenue - Eastbound

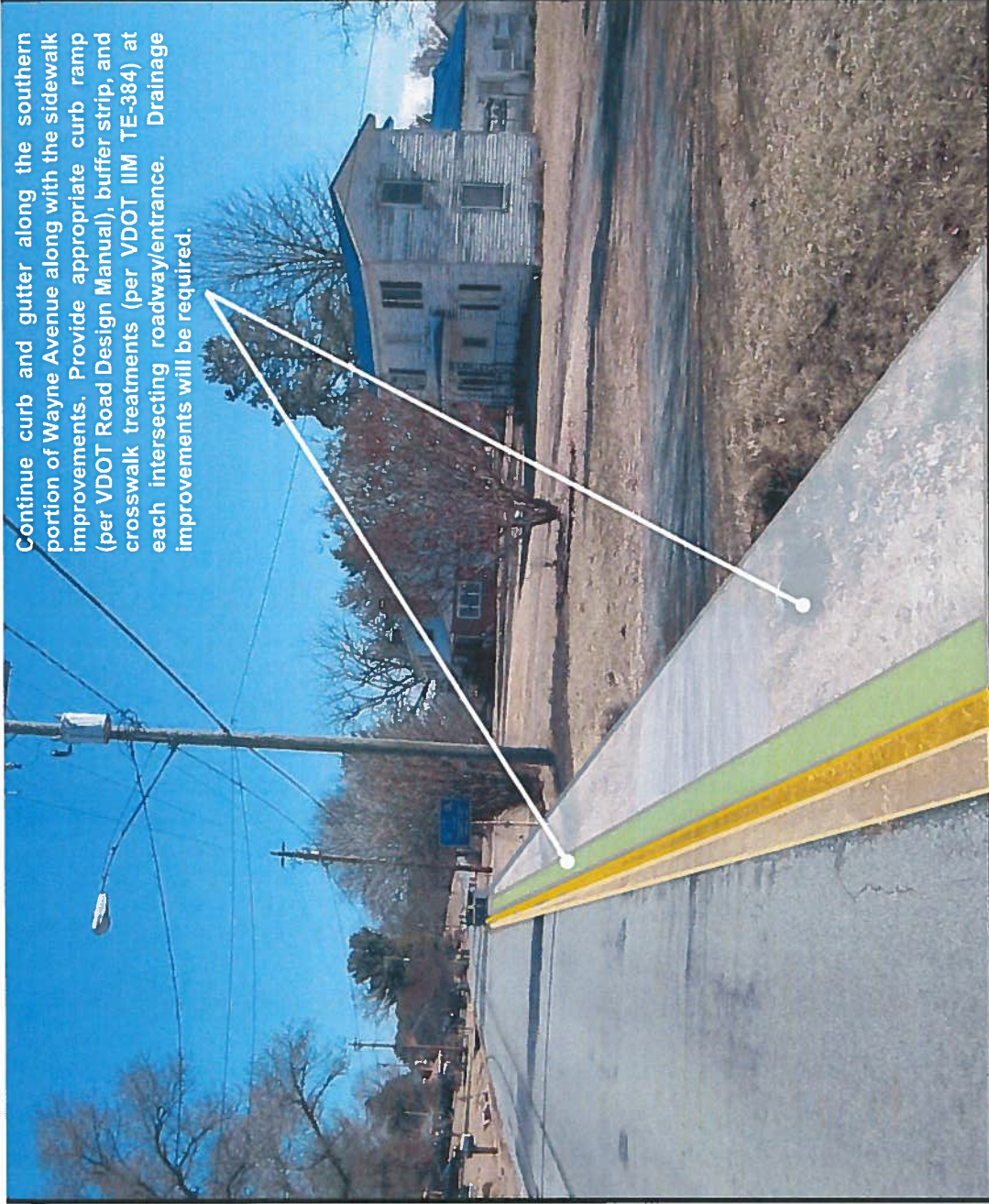
Stuarts Draft Bicycle/Pedestrian Infrastructure Assessment
Wayne Avenue Corridor
Stuarts Draft, Virginia

Figure

6-3



Continue curb and gutter along the southern portion of Wayne Avenue along with the sidewalk improvements. Provide appropriate curb ramp (per VDOT Road Design Manual), buffer strip, and crosswalk treatments (per VDOT IIM TE-384) at each intersecting roadway/entrance. Drainage improvements will be required.

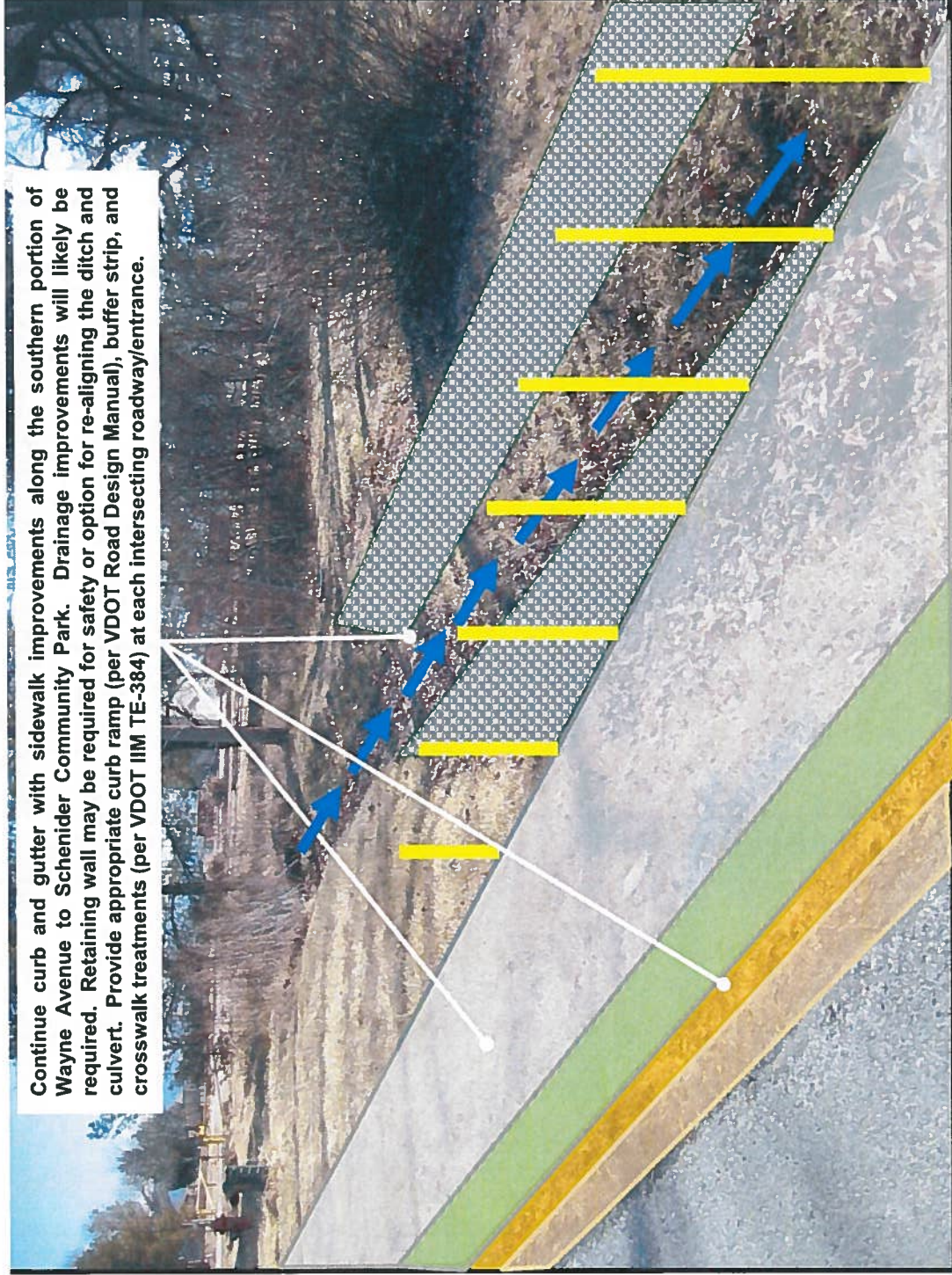


Wayne Avenue - Eastbound

Stuarts Draft Bicycle/Pedestrian Infrastructure Assessment
Wayne Avenue Corridor
Stuarts Draft, Virginia

Figure
6-4

Continue curb and gutter with sidewalk improvements along the southern portion of Wayne Avenue to Schneider Community Park. Drainage improvements will likely be required. Retaining wall may be required for safety or option for re-aligning the ditch and culvert. Provide appropriate curb ramp (per VDOT Road Design Manual), buffer strip, and crosswalk treatments (per VDOT IIM TE-384) at each intersecting roadway/entrance.



Wayne Avenue – Eastbound (Schneider Community Park)

Stuarts Draft Bicycle/Pedestrian Infrastructure Assessment
 Wayne Avenue Corridor
 Stuarts Draft, Virginia

Figure
 6-5

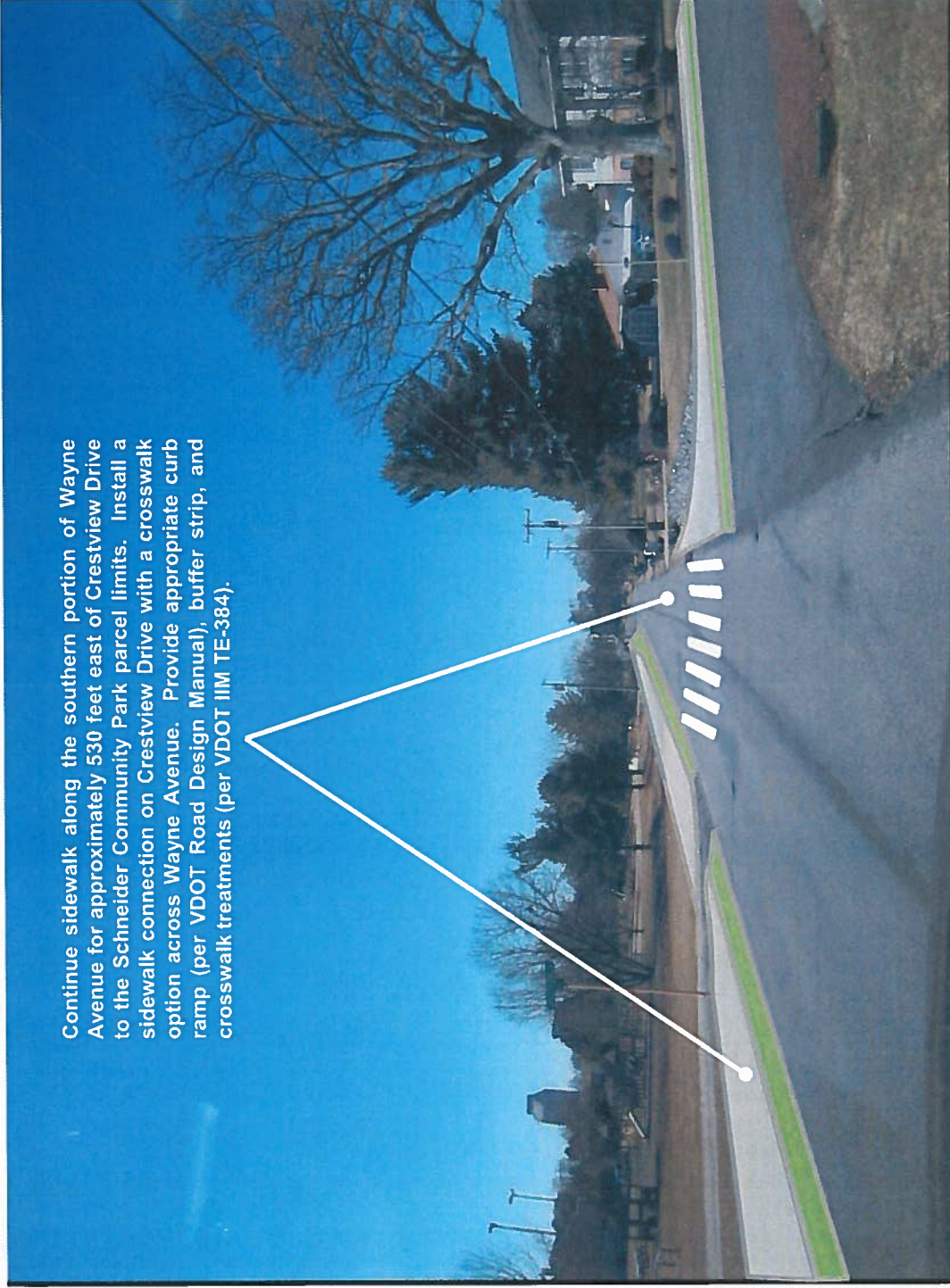


Wayne Avenue @ Schneider Community Park - Eastbound

Stuarts Draft Bicycle/Pedestrian Infrastructure Assessment
 Wayne Avenue Corridor
 Stuarts Draft, Virginia

Figure
 6-6

Continue sidewalk along the southern portion of Wayne Avenue for approximately 530 feet east of Crestview Drive to the Schneider Community Park parcel limits. Install a sidewalk connection on Crestview Drive with a crosswalk option across Wayne Avenue. Provide appropriate curb ramp (per VDOT Road Design Manual), buffer strip, and crosswalk treatments (per VDOT IIM TE-384).

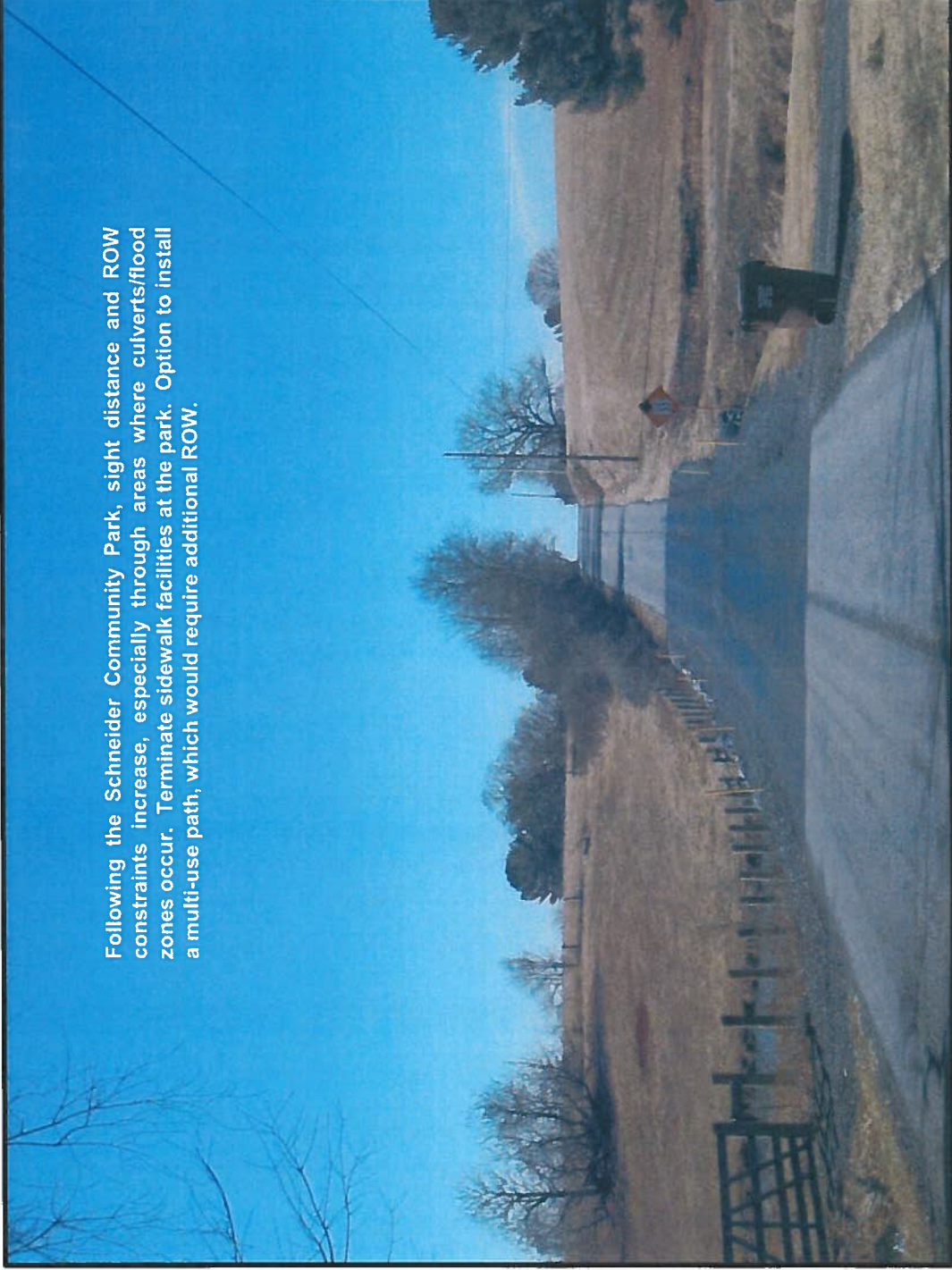


Wayne Avenue & Crestview Drive - Westbound

Stuarts Draft Bicycle/Pedestrian Infrastructure Assessment
Wayne Avenue Corridor
Stuarts Draft, Virginia

Figure
6-7

Following the Schneider Community Park, sight distance and ROW constraints increase, especially through areas where culverts/flood zones occur. Terminate sidewalk facilities at the park. Option to install a multi-use path, which would require additional ROW.

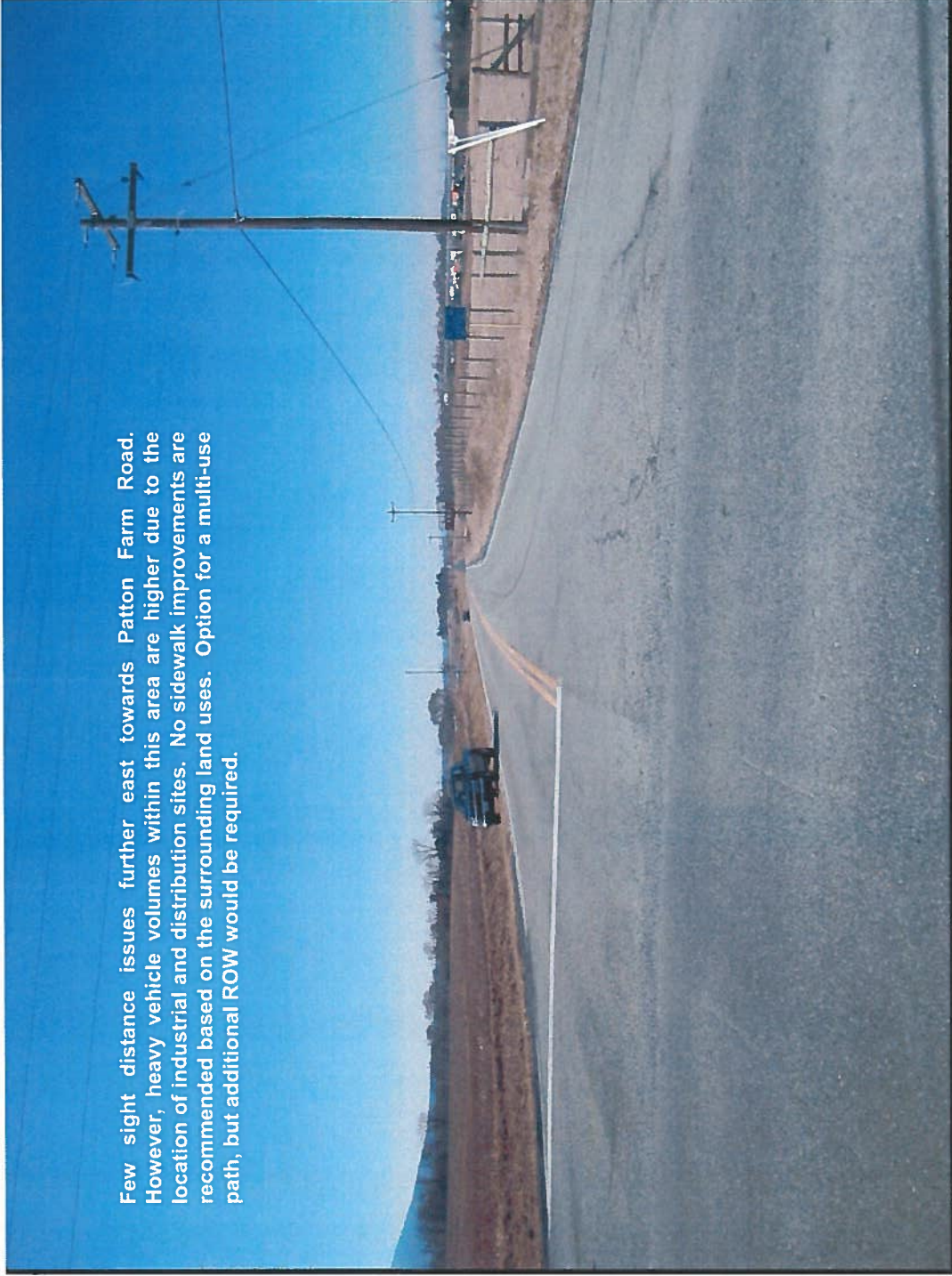


Wayne Avenue - Westbound

Stuarts Draft Bicycle/Pedestrian Infrastructure Assessment
Wayne Avenue Corridor
Stuarts Draft, Virginia

Figure
6-8

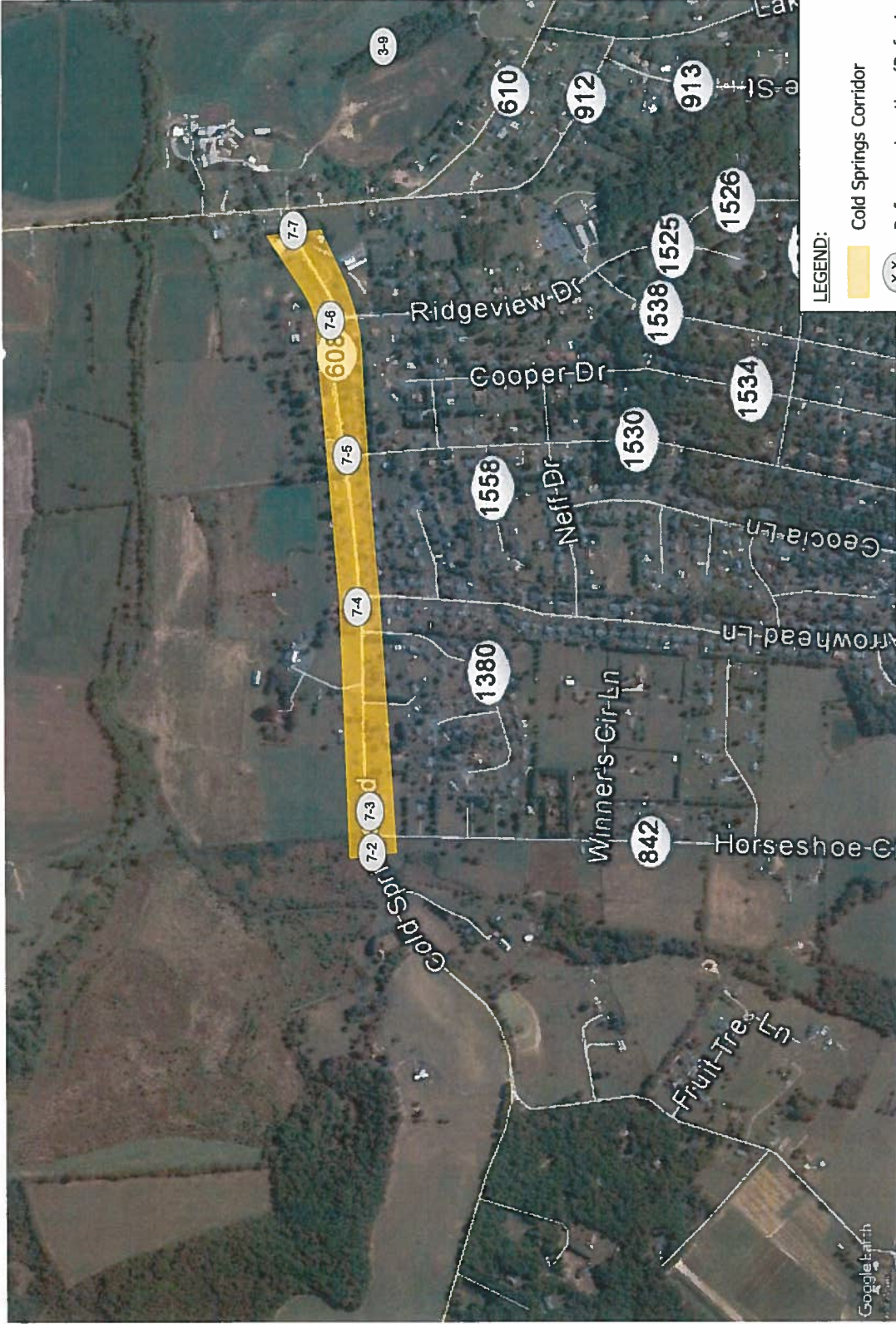
Few sight distance issues further east towards Patton Farm Road. However, heavy vehicle volumes within this area are higher due to the location of industrial and distribution sites. No sidewalk improvements are recommended based on the surrounding land uses. Option for a multi-use path, but additional ROW would be required.



Wayne Avenue & Patton Farm Road - Westbound

Stuarts Draft Bicycle/Pedestrian Infrastructure Assessment
Wayne Avenue Corridor
Stuarts Draft, Virginia

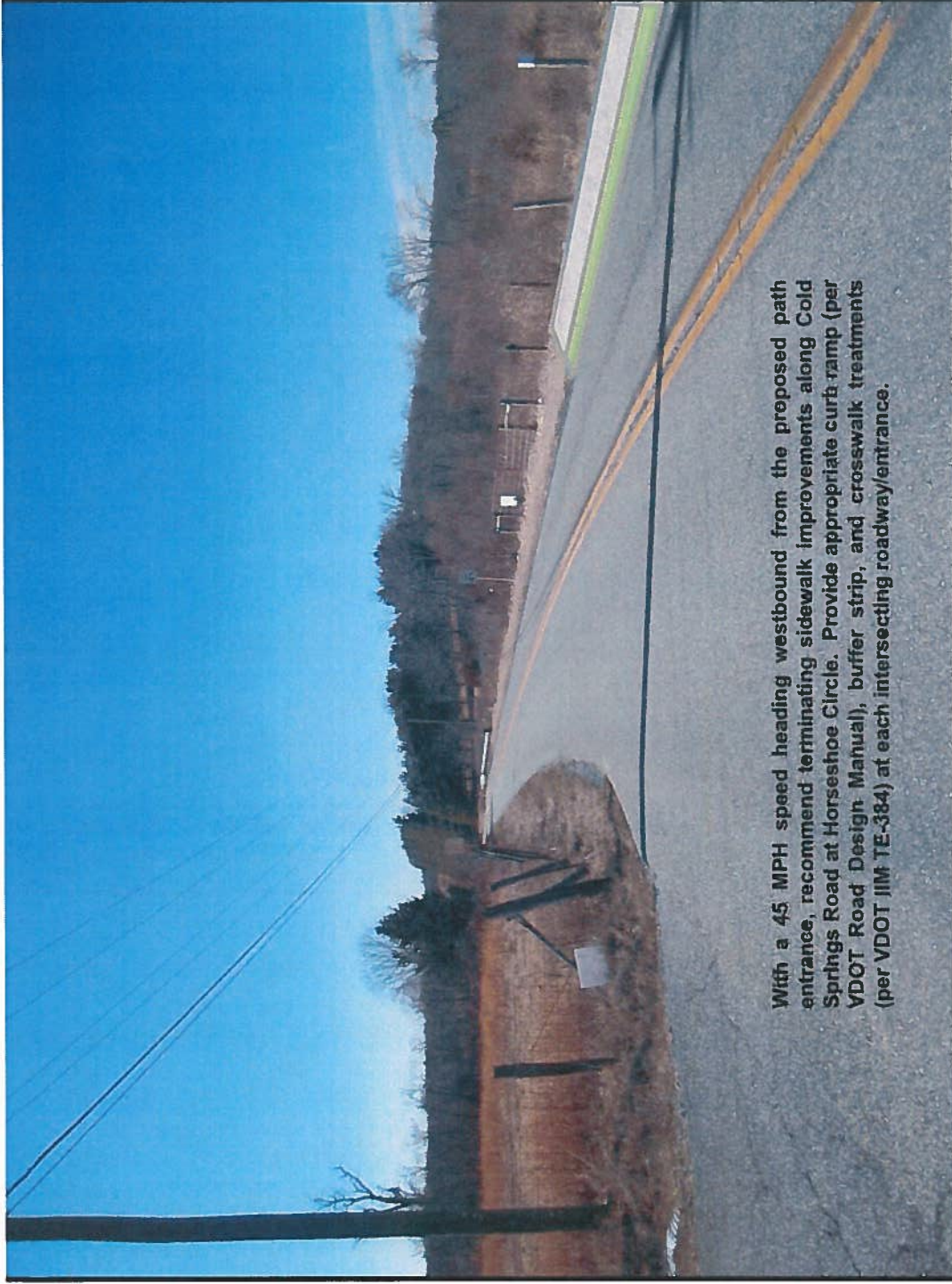
Figure
6-9



NOT TO SCALE

Stuarts Draft Bicycle/Pedestrian Infrastructure Assessment
Assessment Locations – Cold Springs Road
Stuarts Draft, Virginia

Figure
7-1

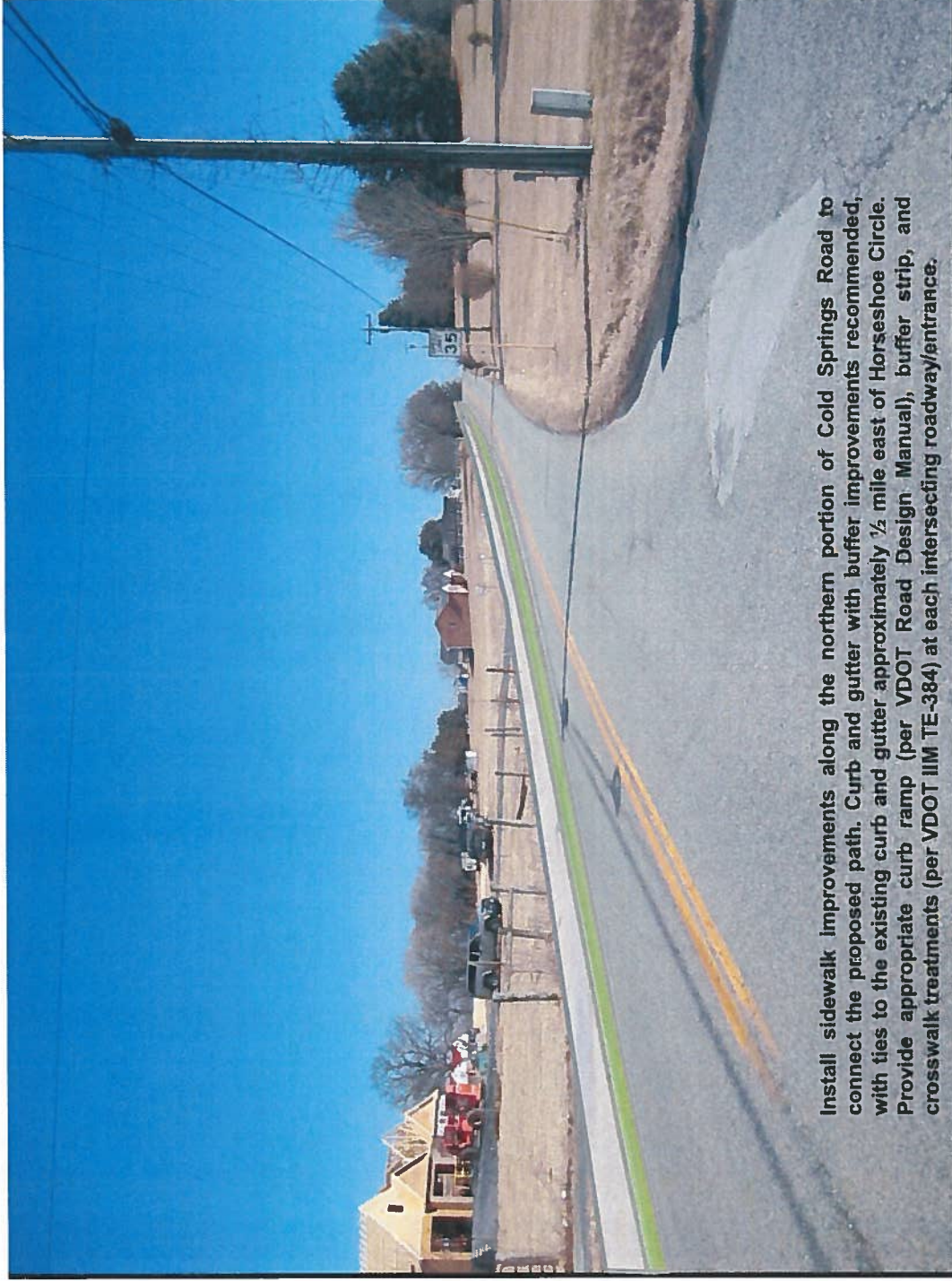


With a 45 MPH speed heading westbound from the proposed path entrance, recommend terminating sidewalk improvements along Cold Springs Road at Horseshoe Circle. Provide appropriate curb ramp (per VDOT Road Design Manual), buffer strip, and crosswalk treatments (per VDOT JIM TE-384) at each intersecting roadway/entrance.

Cold Springs Road & Horseshoe Circle - Westbound

Stuarts Draft Bicycle/Pedestrian Infrastructure Assessment
 Cold Springs Road Corridor
 Stuarts Draft, Virginia

Figure
 7-2



Install sidewalk improvements along the northern portion of Cold Springs Road to connect the proposed path. Curb and gutter with buffer improvements recommended, with ties to the existing curb and gutter approximately 1/2 mile east of Horseshoe Circle. Provide appropriate curb ramp (per VDOT Road Design Manual), buffer strip, and crosswalk treatments (per VDOT IIM TE-384) at each intersecting roadway/entrance.

Cold Springs Road & Horseshoe Circle - Eastbound

Stuarts Draft Bicycle/Pedestrian Infrastructure Assessment
 Cold Springs Road Corridor
 Stuarts Draft, Virginia

Figure
 7-3

Install sidewalk improvements along the northern portion of Cold Springs Road. Curb and gutter with buffer improvements recommended, with ties to the existing curb and gutter in approximately 0.15 miles east of Arrowhead Lane. A retaining wall will be required for steep grades along the northern portion near this intersection. Provide appropriate curb ramp (per VDOT Road Design Manual), buffer strip, and crosswalk treatments (per VDOT IIM TE-384) at each intersecting roadway/entrance.



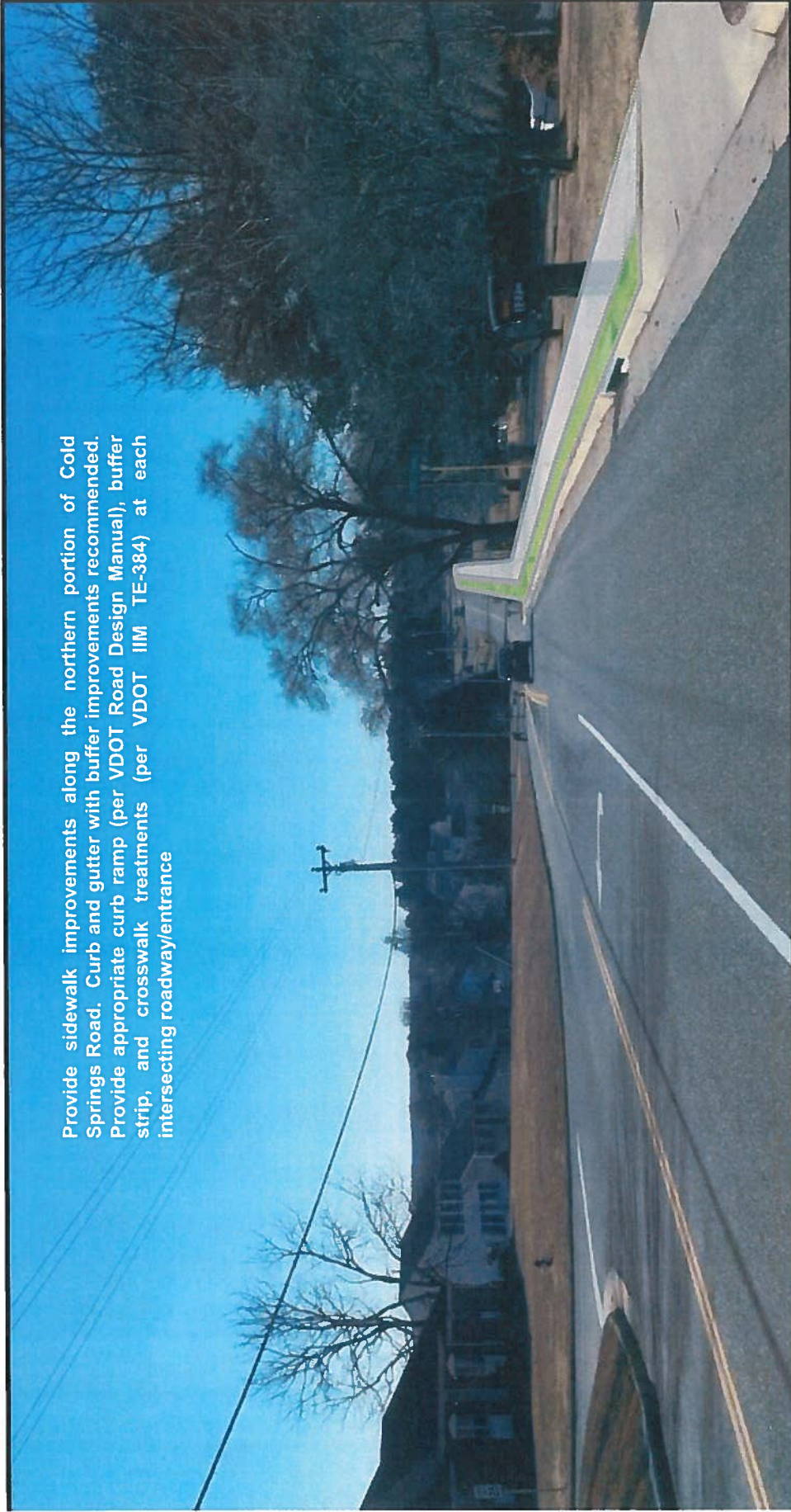
Cold Springs Road & Horseshoe Circle - Eastbound

Stuarts Draft Bicycle/Pedestrian Infrastructure Assessment
 Cold Springs Road Corridor
 Stuarts Draft, Virginia

Figure
 7-4



Provide sidewalk improvements along the northern portion of Cold Springs Road. Curb and gutter with buffer improvements recommended. Provide appropriate curb ramp (per VDOT Road Design Manual), buffer strip, and crosswalk treatments (per VDOT IIM TE-384) at each intersecting roadway/entrance



Cold Springs Road & Forest Springs Drive - Westbound

Stuarts Draft Bicycle/Pedestrian Infrastructure Assessment
Cold Springs Road Corridor
Stuarts Draft, Virginia

Figure
7-5

Provide sidewalk improvements along the northern portion of Cold Springs Road. Steep slopes behind the curb and gutter will likely require additional improvements. Provide appropriate curb ramp (per VDOT Road Design Manual), buffer strip, and crosswalk treatments (per VDOT IIM TE-384) at each intersecting roadway/entrance



Cold Springs Road & Ridgeview Drive - Westbound

Stuarts Draft Bicycle/Pedestrian Infrastructure Assessment
Cold Springs Road Corridor
Stuarts Draft, Virginia

Figure
7-6



Continue sidewalk improvements from Draft Avenue along the northern portion of Cold Springs Road. Install crosswalk treatment across Cold Springs Road with pedestrian push buttons and signal heads equipped with APS. Provide appropriate curb ramp (per VDOT Road Design Manual), buffer strip, and crosswalk treatments (per VDOT IIM TE-384).

Cold Springs Road & Draft Avenue/Howardsville Turnpike - Westbound

Stuarts Draft Bicycle/Pedestrian Infrastructure Assessment
 Cold Springs Road Corridor
 Stuarts Draft, Virginia



Figure
 7-7