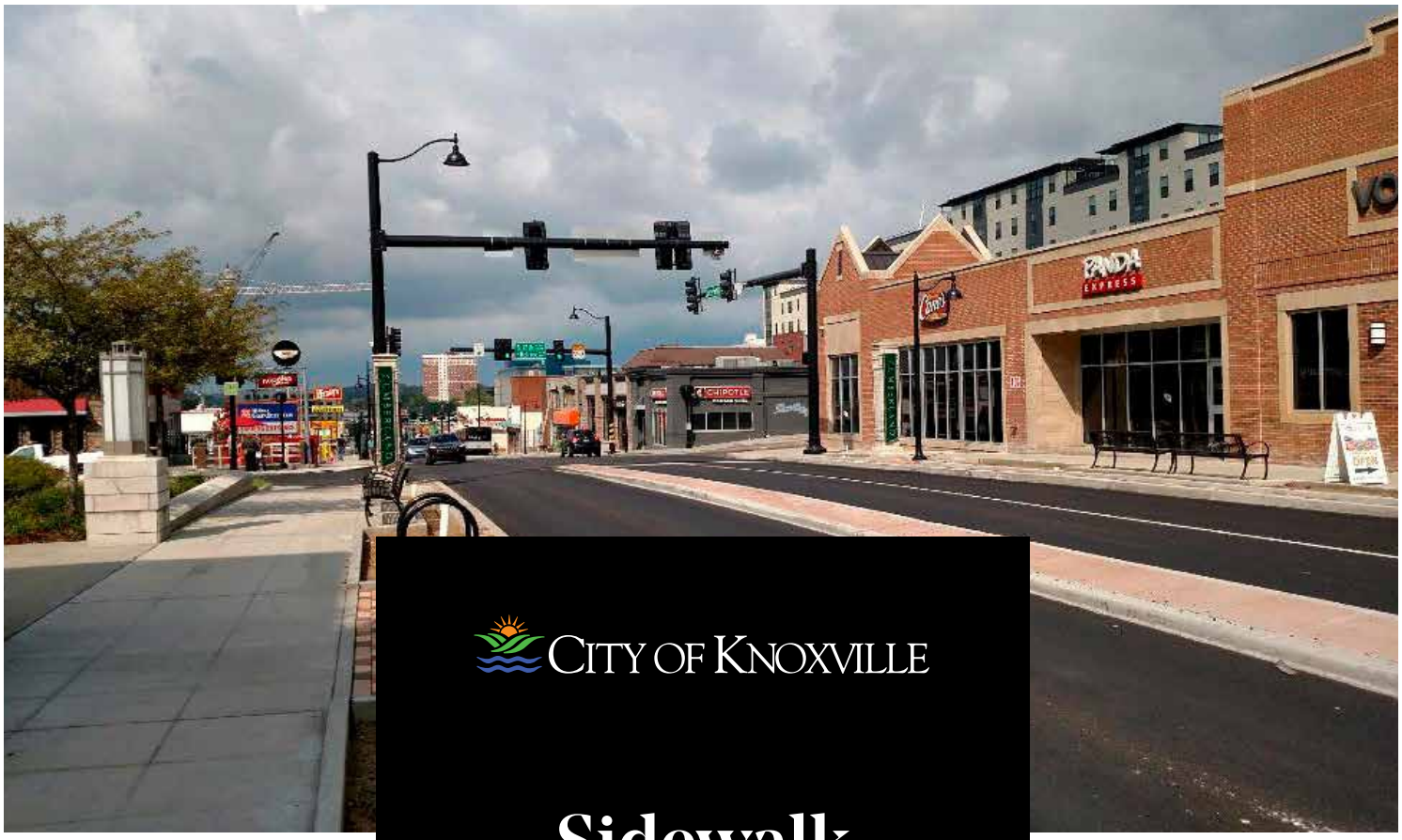

CITY OF KNOXVILLE

Sidewalk Study

DRAFT

City of Knoxville, TN
June 2020

Prepared by

Gresham
Smith

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Section 1.0
Overview

The purpose of the Knoxville Sidewalk Study is to provide a clear direction for sidewalk infrastructure in the City of Knoxville, ensuring that residents and visitors are able to walk or use a mobility device in a safe and comfortable manner. To this end, the study includes a comprehensive inventory of the existing sidewalk network, an inclusive public and stakeholder outreach and engagement effort, and a deliberate analysis of priorities. The study establishes a framework that can inform sidewalk investment in the city going forward and help the city identify both short- and long-term investment priorities.

The Knox County population is poised to grow by 25 percent by 2050 (University of Tennessee, 2019). With this growth comes the need to invest and reinvest in infrastructure to connect neighborhoods, schools, parks, commercial areas, and employment centers. While some trips are still best accomplished with motor vehicles – personal automobile, transit, or rideshare – shorter trips can be accomplished using active transportation, specifically bicycling or walking.

Recent trends also demonstrate an increased interest in active transportation, including pedestrian facilities. As the Knoxville region continues to grow, providing transportation choices for people of all ages and abilities will become increasingly important. The Knoxville Sidewalk Study provides a framework for meeting the growing demand for safe and comfortable pedestrian facilities. Meeting the growing demand for walking will not only improve conditions for pedestrians but will also enhance the quality of life in neighborhoods, support economic development, and build upon Knoxville's unique assets to reinforce the city's position as the regional hub of East Tennessee.

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1.1 Public and Stakeholder Involvement

The Knoxville Sidewalk Study was shaped by a diverse cross section of community residents and key stakeholders. Public meetings were held in each of the city's planning districts and additional input was captured through an online survey and interactive map. The public meetings and online outreach tools were complemented by small group discussions with stakeholders from local government agencies, non-profit organizations, and advocacy groups.

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Public Workshops

Six public workshops were held throughout the City of Knoxville over two weeks in June 2019 in each of the city's six planning districts. Workshop locations included:

- Burlington Branch Library;
- Christenberry Recreation Center;
- Cumberland Estates Recreation Center;
- Deane Hill Recreation Center;
- Larry Cox Senior Center; and
- South Doyle Middle School.

The workshops focused on three primary questions:

- What are your priorities for the sidewalk system in Knoxville?
- What type of improvements would you like to see?
- What are specific suggestions for locations that would benefit from a new or improved sidewalk or crosswalk?

Attendees were asked to answer the first question by reviewing potential study goals and ranking them on a scale of one to five, with one the most important and five the least important. Table 1-1 reports the composite results from all the workshops. Attendees ranked constructing new sidewalks and crosswalks in areas without pedestrian facilities as the most important overall goal, with improving existing sidewalks and crosswalks that are in poor condition and prioritizing connections to public transit as the next highest priorities.

Table 1-1. Study Priorities

Goals/Ranking	1	2	3	4	5	Weighted Average
Construct new sidewalks and crosswalks in areas without pedestrian facilities	28	9	8	8	11	1.84
Improve existing sidewalks and crosswalks that are in poor condition	12	9	9	8	16	2.04
Prioritize pedestrian connections to public transit and places where people work	17	12	7	10	11	2.07
Focus on filling gaps between existing sidewalks including crosswalks	16	16	13	8	8	2.16
Expand pedestrian connections to schools, parks, and other public facilities	15	13	13	13	4	2.43

The second question focused on the types of facilities, design features, and amenities attendees would like to see included in the sidewalk network. Table 1-2 summarizes the results from the workshops. The most popular walkway identified was a sidepath for walking and biking with separated space for pedestrians and bicyclists. Sidewalks with narrow buffers were the least preferred walkway. Attendees identified crossing islands as the most desirable crosswalk element, followed closely by intersection crosswalks, suggesting a preference for an improved level of comfort at intersections. With respect to streetscape elements, transit shelters were the most preferred element of all presented, followed closely by pedestrian lighting.

Table 1-2. Preferred Improvement Options

	Improvement	Total	Percentage
Walkways	Sidepaths for Walking and Biking with Separation	29	11%
	Sidewalks with Wide Buffers	24	9%
	Sidepaths for Walking and Biking	23	8%
	Sidewalks with Narrow Buffers	12	4%
Crosswalks	Crossing Islands	27	10%
	Intersection Crosswalks	25	9%
	Mid-Block Crosswalks	15	6%
	Curb Extensions	14	5%
Streetscapes	Transit Shelters	36	13%
	Pedestrian Lighting	32	12%
	Street Trees	20	7%
	Street Furniture	14	5%

Attendees were also invited to review aerial plots of each of the city's six planning districts and identify locations that would benefit from a new or improved sidewalk or crosswalk. The feedback received was ultimately carried forward into the pedestrian network plan, which is discussed in Section 4.0.

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Stakeholder Engagement

A series of stakeholder meetings was convened in July 2019. Attendees represented local government agencies, non-profit organizations, and advocacy groups. They were provided with a brief update of the public engagement and technical analysis conducted to date and encouraged to provide comments or suggestions on the study. Stakeholder feedback was used to refine the study approach, specifically the scope of the pedestrian system analysis, which is discussed in Section 3.0.

Online Survey

An online survey was hosted on the SurveyMonkey platform. The survey period ran from June through October. A total of 317 respondents participated during this time. Tables 1-3 through 1-8 summarize some of the key feedback from the survey.

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Table 1-3. What do you consider to be your primary form of transportation?

Answer Choices	Total	Percentage
Automobile	287	92.6%
Transit	5	1.6%
Rideshare/Carpool	1	0.3%
Bicycle	7	2.3%
Walking	10	3.2%

Table 1-4. How often do you use sidewalks?

Answer Choices	Total	Percentage
Daily	126	40.6%
Weekly	96	31.0%
Rarely/Never	59	19.0%
Monthly	29	9.4%

Table 1-5. What are your primary uses of sidewalks?

Answer Choices	Total	Percentage
Exercise	217	32.0%
Recreation	150	22.1%
Transportation	137	20.2%
Walking pet(s)	137	20.2%
Other	37	5.5%

Table 1-6. Which destination(s) do you use a sidewalk to access?

Answer Choices	Total	Percentage
Neighbors/friends/family	183	19.4%
Park or recreational facility	170	18.0%
Commercial districts with shopping/restaurants	134	14.2%
Elementary school	89	9.4%
Grocery store	85	9.0%
Work	63	6.7%
Transit service	44	4.7%
Middle school	43	4.6%
Church	41	4.3%
College or university	28	3.0%
Other	27	2.9%
High school	23	2.4%
Hospital or medical services	15	1.6%

Table 1-7. What barriers have prevented you from walking in the past?

Answer Choices	Total	Percentage
Lack of adequate sidewalks	267	36.5%
Personal safety concerns	133	18.2%
Poor condition of existing facilities	81	11.1%
Weather	72	9.8%
Accompanied by children	59	8.1%
Need to carry or haul things	46	6.3%
Other	25	3.4%
Don't have time	21	2.9%
Physically unable	14	1.9%
Don't think about walking	14	1.9%

Table 1-8. How would you prioritize pedestrian access to the following locations?

Answer Choices	1	2	3	4	5	6	7	8	9	10	Weighted Average
Elementary school	0	0	0	0	0	0	14	32	72	330	9.60
Middle school	0	0	0	0	0	12	7	56	54	310	9.46
High school	0	0	0	0	5	24	14	64	54	260	9.18
Transit service	0	0	3	0	5	18	21	104	27	220	8.95
Grocery store	0	0	0	4	30	6	42	48	27	210	8.78
College or university	0	0	0	8	25	12	35	56	36	210	8.76
Hospital or medical services	0	0	3	4	40	12	7	56	36	190	8.67
Neighbors/Friends/Family	1	0	0	0	10	42	49	64	36	160	8.51
Work	0	0	0	0	45	18	21	64	27	170	8.51
Commercial districts with shopping/restaurants	0	0	0	0	40	18	49	64	45	140	8.34
Church	0	2	0	12	45	12	35	56	9	140	8.11

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Online Interactive Map

In addition to the survey, an online interactive map was hosted on the Wikimapping platform. Like the public workshop mapping exercise, participants were asked to identify locations where new or improved sidewalks or crosswalks are needed. Comments were carried forward into the network plan in Section 4.0.

1.2 Goals and Objectives

Based on input received at the public workshops – as well as guidance from local officials and stakeholders – the following goals and objectives were identified to guide the development of the Knoxville Sidewalk Study.

Goal 1: Construct new sidewalks and crosswalks in areas without pedestrian facilities

- Expand the sidewalk network into areas with the highest demand for walking and areas with vulnerable populations (e.g., older adults, people with disabilities, low income households, which are defined in greater detail in Section 3.0) who would most benefit from an improved pedestrian environment

Goal 2: Improve existing sidewalks and crosswalks that are in poor condition

- Prioritize existing facilities in poor condition for targeted rehabilitative maintenance

Goal 3: Prioritize pedestrian connections to public transit and places where people work

- Coordinate with Knox Area Transit (KAT) to determine high priority locations for pedestrian facilities near transit services
- Connect to major employment centers, particularly those without existing pedestrian facilities

Goal 4: Focus on filling gaps between existing sidewalks, including crosswalks

- Identify “network gaps” in the existing network for new facilities, prioritizing shorter “network gaps”
- Focus on key intersections where pedestrian safety would be most improved by the addition or improvement of a crosswalk

Goal 5: Expand pedestrian connections to schools, parks, and other public facilities

- Evaluate and improve the pedestrian environments around school facilities, particularly the Parental Responsibility Zones (PRZs) associated with elementary and middle schools
- Improve connectivity to parks and public facilities

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Section 2.0

Existing Network

2.1 Existing Sidewalk System

The City of Knoxville currently has approximately 345 miles of existing sidewalks. Table 2-1 shows the breakdown of total network miles by city council district. The majority of the existing network is located within Council District 6, which includes downtown Knoxville and all of east Knoxville. Council District 1, which includes the University of Tennessee area and south Knoxville, and Council District 4, which encompasses the northeast portion of the city, also have relatively large shares of the existing network mileage. Figure 2-1 shows a graphical representation of the existing network by city council district.

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Table 2-1. Existing Network Miles by City Council District

Council District	Miles of Sidewalks	Percentage of Total Network
1	52	15%
2	29	8%
3	31	9%
4	60	17%
5	39	11%
6	134	39%
TOTAL	**345**	**100%**

2.3 Existing Approach to Sidewalk Investment

A primary outcome of the Knoxville Sidewalk Study is to identify and prioritize sidewalk needs within the city going forward. The study recommendations and priorities will supersede the existing manner of identifying and prioritizing sidewalk facility needs. Currently the City of Knoxville identifies new sidewalk facility needs primarily based on requests received from the public. Community groups, neighborhood associations, or individual members of the public currently may contact the Civil Engineering Division directly to request a new sidewalk.

Sidewalk requests are scored by using the Sidewalk Request Rating System, which allows city staff to investigate and rank each request received. Based on the investigation, each sidewalk request is scored using the following five criteria:

- Pedestrian use;
- Roadway classification;
- Proximity to an existing sidewalk;
- Inclusion within a school's Parental Responsibility Zone (within approximately one mile of a school); and
- Connectivity to Knox Area Transit Routes.

In the future, sidewalk requests will continue to be evaluated by city staff as they are received; however, the Knoxville Sidewalk Study will replace the Sidewalk Request Rating System as the primary source of city sidewalk investments.

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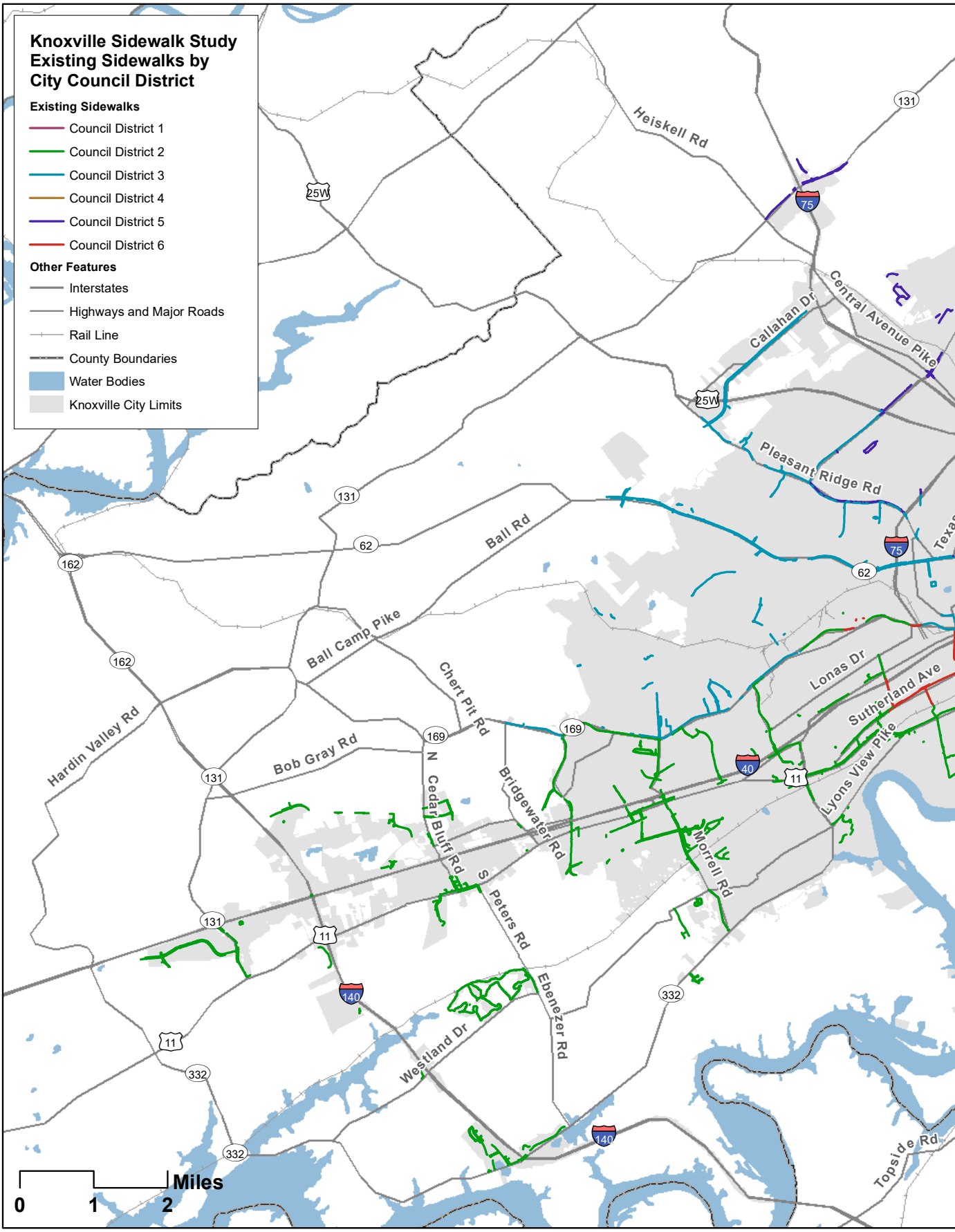
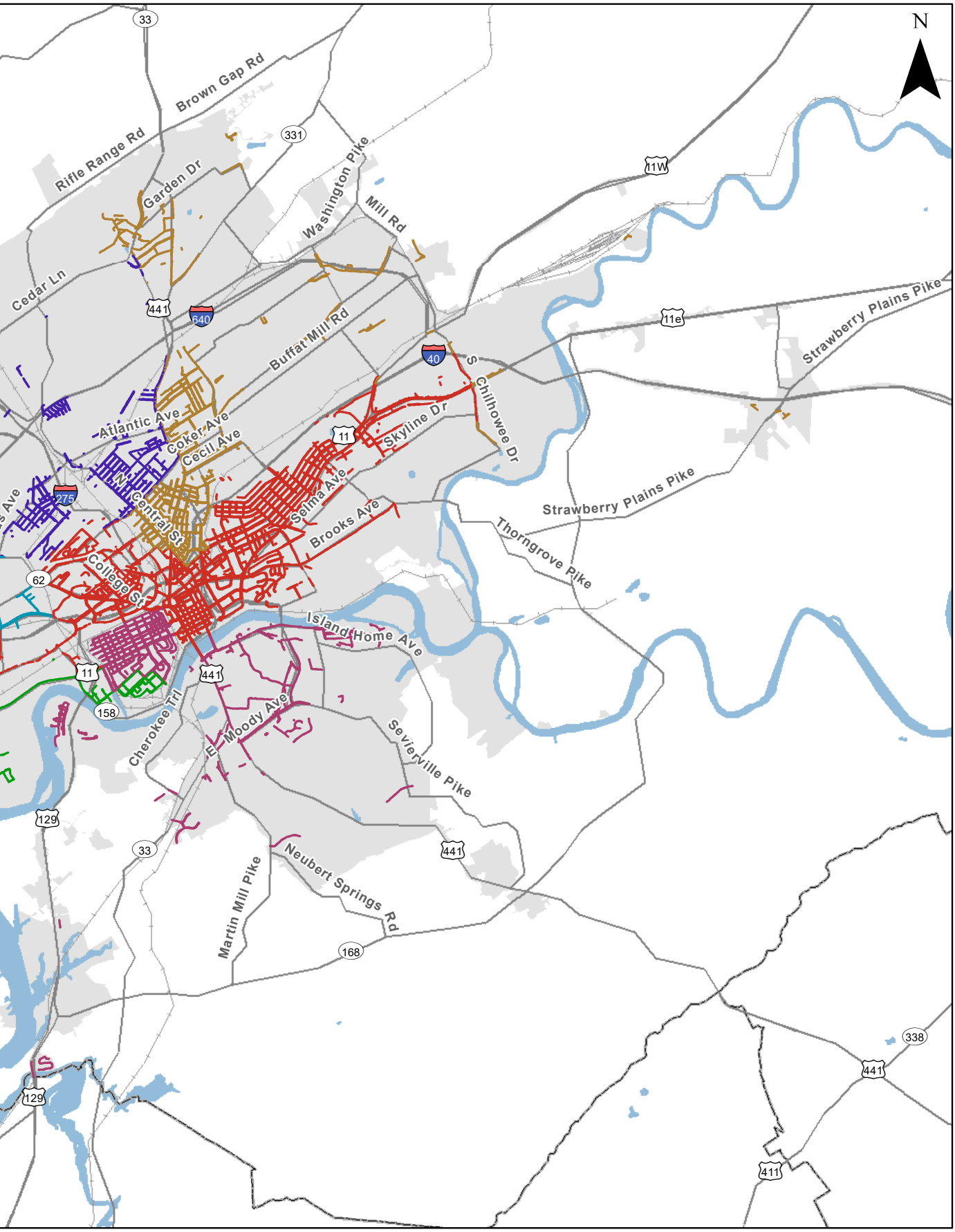
Figure 2-1. Existing Sidewalk Network

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Washington Pike
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Strawberry Plains Pike
Atlantic Ave
Coker Ave
Cecil Ave
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Skyline Dr
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Selma Ave
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Brooks Ave
Strawberry Plains Pike
Thorngrove Pike
College St
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Island Home Ave
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Sevierville Pike
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Martin Mill Pike
Neubert Springs Rd
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Section 3.0

Pedestrian System Analysis

As part of the Knoxville Sidewalk Study, a pedestrian system analysis was conducted to provide a comprehensive view of the existing sidewalk network. The results of the analysis form the basis for the pedestrian network plan recommendations. The pedestrian system analysis consists of four primary components:

- Pedestrian Demand Analysis;
- Pedestrian Safety Analysis;
- Health and Equity Analysis; and
- Sidewalk "Network Gap" Analysis.

Taken together, the findings from these analyses provide a clearer understanding of the existing pedestrian environment, potential benefits for users, and key areas for sidewalk expansion.

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3.1 Pedestrian Demand Analysis

A desktop analysis was conducted to identify potential pedestrian demand in the City of Knoxville. The pedestrian demand analysis determines where current pedestrian demand likely exists regardless of the presence or absence of existing facilities; in other words, where users would likely walk, provided they felt comfortable doing so.

The analysis relies on nine inputs to generate a composite demand score:

- Population density;
- Employment density;
- Existing park facilities;
- Total retail, arts, entertainment, recreation, accommodations, and food services employment;
- Existing elementary and middle schools;
- Existing secondary and post-secondary schools;
- Existing Knox Area Transit (KAT) routes;
- Existing libraries; and
- Existing hospitals.

Using feedback obtained during the public and stakeholder engagement activities, each of the demand inputs was weighted to reflect higher community priorities (Table 3-1). A final demand score was calculated by assigning values to each category, multiplying the values by their respective weights, and totaling the weighted scores together. The final composite score was then normalized to a 0 to 100 point scale for later use in the prioritization process.

The results of the demand analysis are shown in Figure 3-1.

Table 3-1. Pedestrian Demand Analysis Criteria

Data Input	Source	Scoring	Weighting
Population Density	2017 ACS 5-Year Estimates (Block Groups)	0 - Less than 3.5 persons per acre	3.0
		1 - 3.5 to 7 persons per acre	
		2 - 7 to 12 persons per acre	
		3 - Greater than 12 persons per acre	
Employment Density	2016 Longitudinal Employer-Household Dynamic (LEHD), Work Area Characteristics (Blocks)	0 - Less than 15 jobs per acre	1.0
		1 - 15 to 50 jobs per acre	
		2 - 50 to 100 jobs per acre	
		3 - Greater than 100 jobs per acre	
Existing Park Facilities	KGIS	0 - Further than 1 mile from a park	4.5
		1 - 0.5 to 1 mile from a park	
		2 - 0.25 to 0.5 mile from a park	
		3 - Less than 0.25 mile from a park	
Retail, arts, entertainment, recreation, accommodations, and food services employment	2016 Longitudinal Employer-Household Dynamic (LEHD), Work Area Characteristics (Blocks)	0 - Less than 100 employees	3.0
		1 - 100 to 250 employees	
		2 - 250 to 500 employees	
		3 - Greater than 500 employees	
Existing Elementary and Middle Schools	KGIS	0 - Further than 1 mile from a school	5.0
		1 - 0.5 to 1 mile from a school	
		2 - 0.25 to 0.5 mile from a school	
		3 - Less than 0.25 mile from a school	
Existing Secondary and Post-Secondary Schools	KGIS	0 - Further than 1 mile from a school	4.0
		1 - 0.5 to 1 mile from a school	
		2 - 0.25 to 0.5 mile from a school	
		3 - Less than 0.25 mile from a school	
Knoxville Area Transit System Existing Routes	KGIS	0 - Further than 0.5 mile from a transit route	4.0
		1 - 0.5 to 0.25 mile from a transit a route	
		2 - 0.25 to 0.1 mile from a transit route	
		3 - Adjacent to a transit route	
Existing Libraries	KGIS	0 - Further than 1 mile from a library	3.0
		1 - 0.5 to 1 mile from a library	
		2 - 0.25 to 0.5 mile from a library	
		3 - Less than 0.25 mile from a library	
Existing Hospitals	KGIS	0 - Further than 1 mile from a hospital	1.0
		1 - 0.5 to 1 mile from a hospital	
		2 - 0.25 to 0.5 mile from a hospital	
		3 - Less than 0.25 mile from a hospital	

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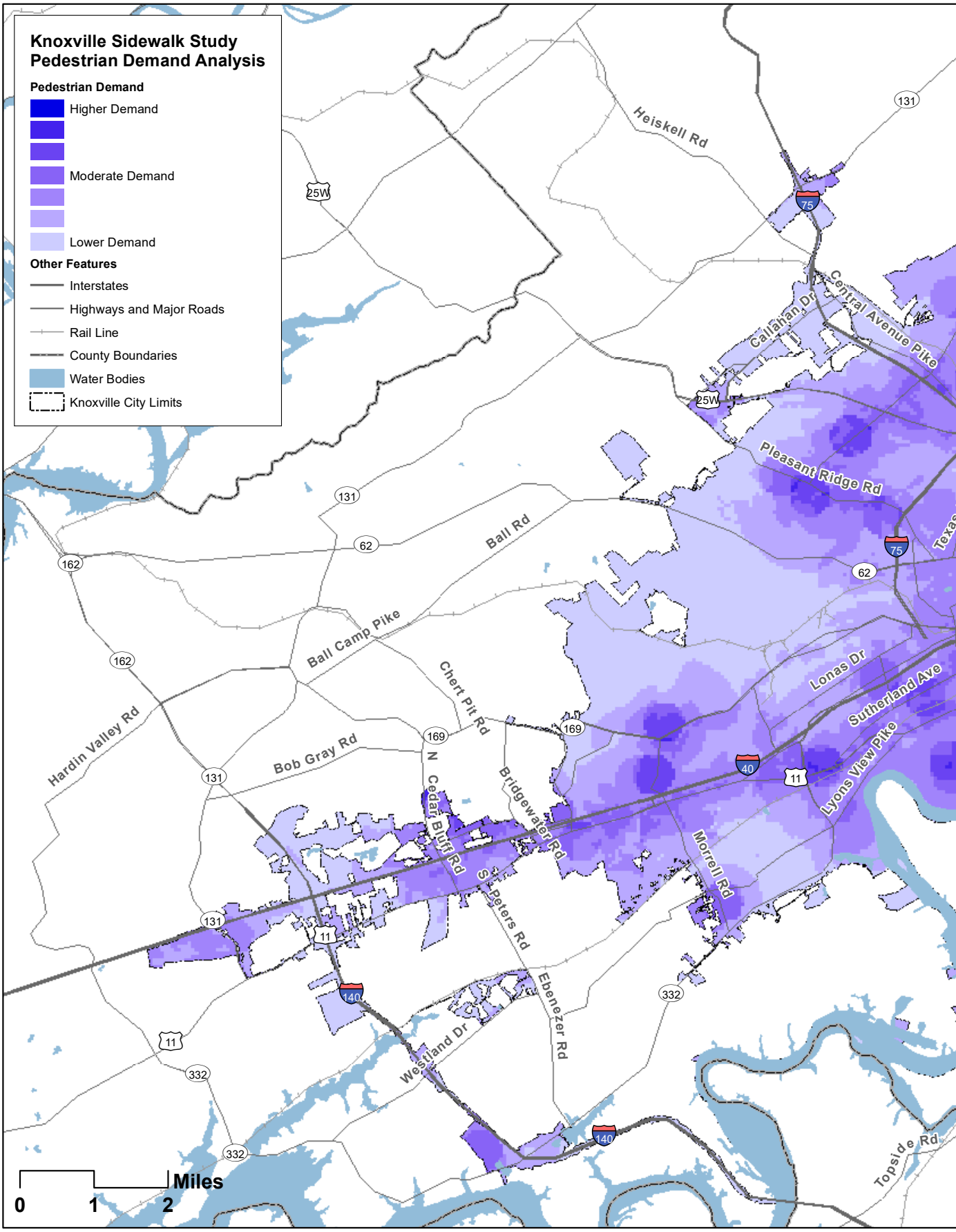
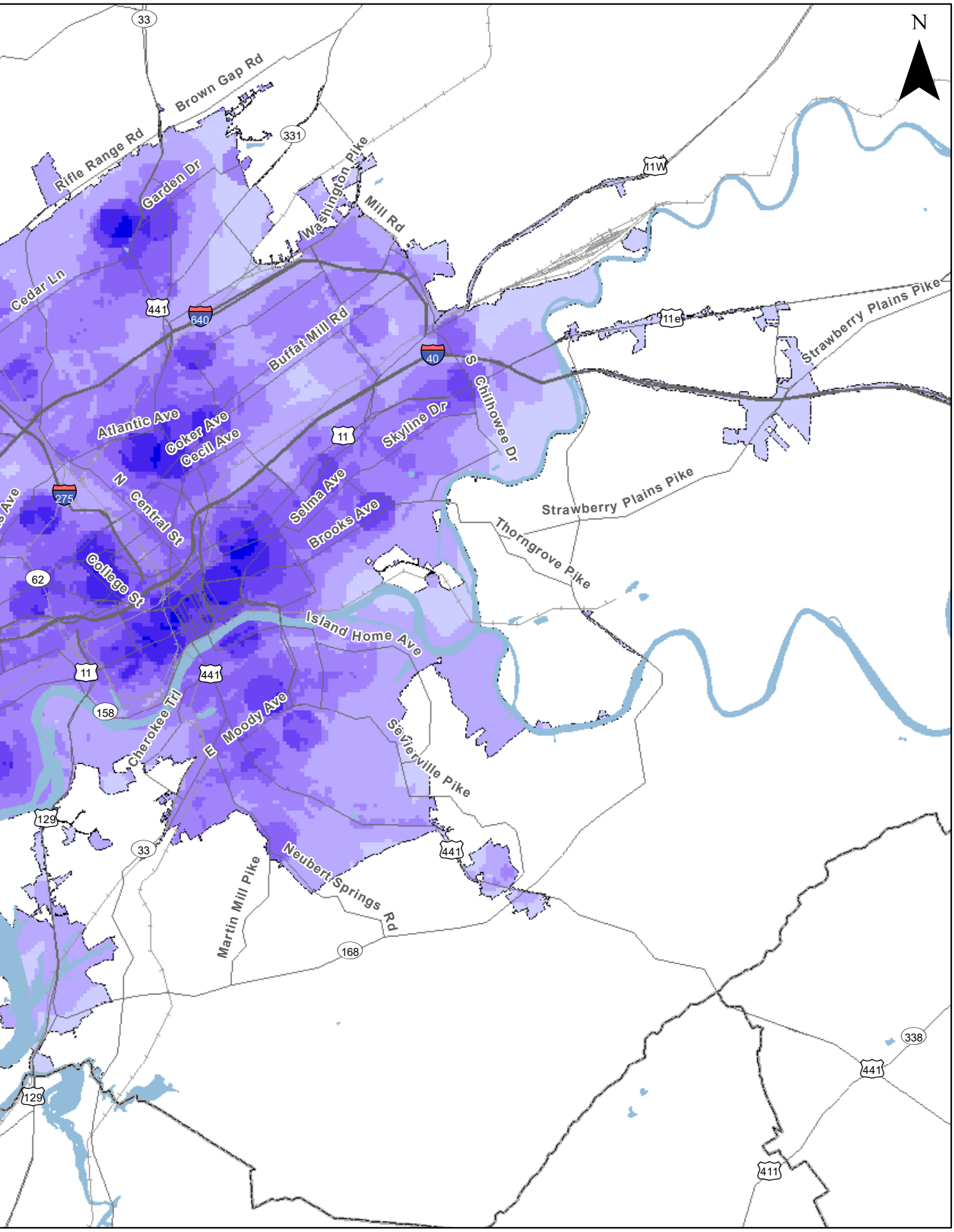
Figure 3-1. Pedestrian Demand Analysis Results

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Brooks Ave
Skyline Dr
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Strawberry Plains Pike
Thorngrove Pike
College St
Island Home Ave
Cherokee Trl
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Sevierville Pike
Martin Mill Pike
Neubert Springs Rd
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At the citywide scale, five areas received notably higher composite demand scores:

- Downtown Knoxville and University of Tennessee campus;
- East Knoxville near the Morningside and Parkridge neighborhoods;
- Mechanicsville and Lonsdale neighborhoods;
- Christenberry neighborhood in North Knoxville; and
- Fountain City.

Additional areas of relatively high demand are located throughout the city and its neighborhoods, particularly around school campuses. Given the high priority identified by the public for expanding the sidewalk network into areas without existing pedestrian facilities, new sidewalks will be important additions in places with higher demand.

3.2 Pedestrian Safety Analysis

The pedestrian safety analysis was performed using data provided by the Knoxville Regional Transportation Planning Organization (TPO). The data is comprised of 11 years of crash report data collected and reported by the Knoxville Police Department (KPD). The analysis related the crash locations to an existing sidewalk segment, intersection, or segment of roadway currently lacking sidewalks. For the purpose of this study, a pedestrian crash is defined as a vehicular crash involving one or more pedestrians occurring within the public right-of-way (e.g., excluding parking lots and private property).

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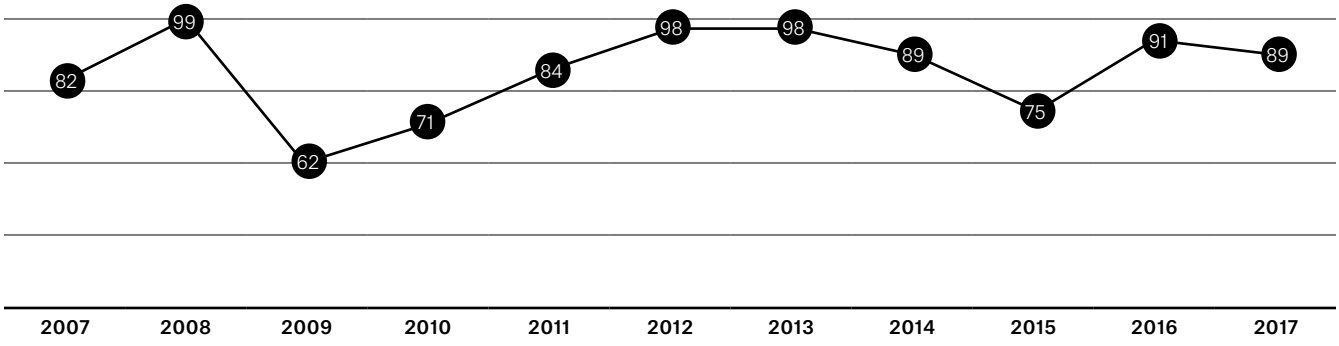
Pedestrian Crashes

The analysis was based on pedestrian crash reports collected between January 2007 and March 2018. The reports identified a total of 960 crashes that involved pedestrians within the City of Knoxville during the subject time period. As shown in Figure 3-2, over this period, the annual number of pedestrian-involved crashes has varied, but has averaged approximately 85 crashes per year.

Figure 3-2. Knoxville: Annual Pedestrian Crashes (2007-2017)



Crash Severity

Crash reports classify the severity of crashes as fatal, suspected serious/incapacitating injury, suspected minor injury, possible injury, or no injury. The crash data demonstrates that 91 percent of pedestrian crashes within the City of Knoxville involved some level of injury or death for the involved pedestrian(s). A more in-depth analysis of crash data between January 2015 and March 2018 found that 21 percent of injury-only crashes involved serious/incapacitating injuries. Over the 11-year period, there have been a total of 36 pedestrian fatalities in the City of Knoxville.

Crash Hotspots

A review of the crash data revealed several crash hotspots within the city. A heat map was developed to highlight these areas. As shown in Figure 3-3, while smaller "heat islands" of crash density are located throughout the city, particularly along urban arterials or near major intersections, four areas in the city have high concentrations of crashes:

- University of Tennessee area, particularly on or adjacent to Cumberland Avenue;
- Downtown Knoxville and the Old City;
- West View area near the intersection of Middlebrook Pike and Liberty Street; and
- North Broadway between Washington Pike and Cecil Avenue.

Cumberland Avenue recently underwent a reconfiguration to better accommodate pedestrian foot traffic. These improvements have resolved many of the pedestrian safety issues along the corridor.

Interestingly, only one specific location lacking sidewalks had repeat crashes reported – two crashes occurred at West Inskip Drive near Schubert Road. However, along the 0.6-mile corridor of Inskip Drive between Fennell Road and Schubert Road there were a total of five crashes.

Pedestrian Safety Segment Index

A review of the crash data also highlighted that the majority of crashes occurred on streets defined by the 2018 Knoxville-Knox County Major Road Plan as urban collectors or urban arterials. The high rate of pedestrian crashes along collectors and arterials occurs for several reasons. Higher motor vehicle speeds and volumes associated with these roadways, for example, result in reduced reaction times and increased conflict points among drivers and pedestrians. Additionally, many collectors and arterials serve areas of town with higher levels of pedestrian activity.

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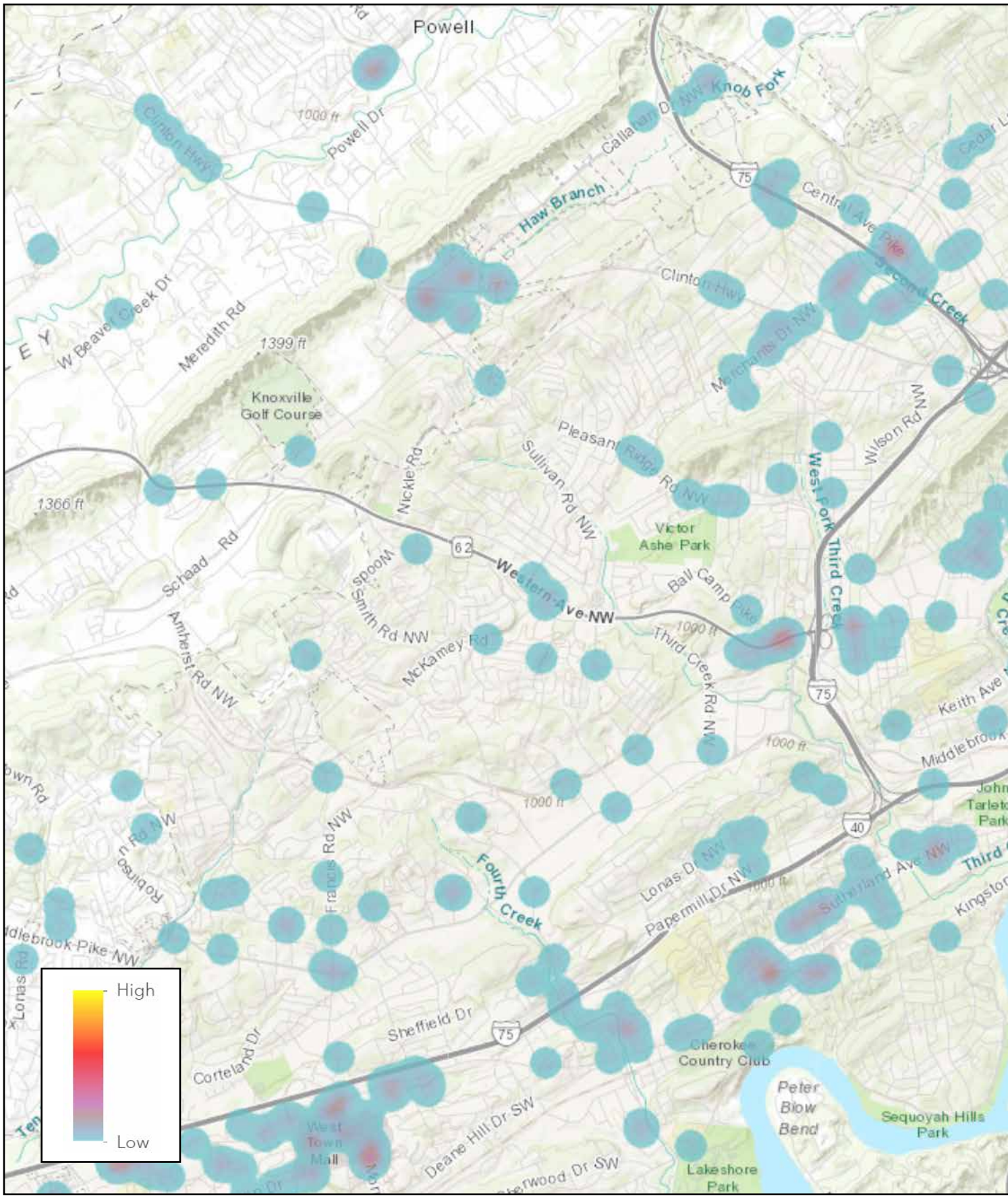
Figure 3-3. Crash Hotspots



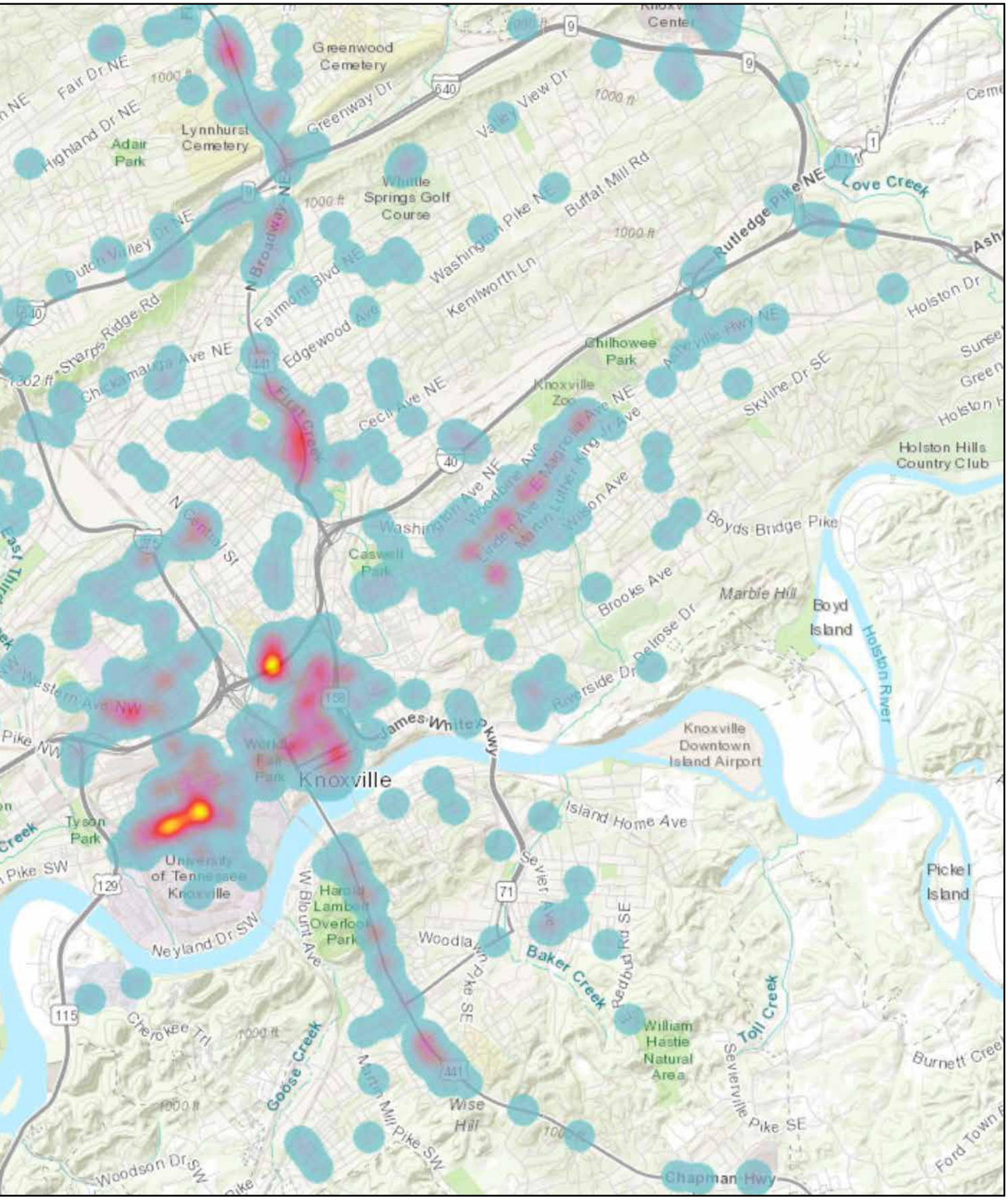

Greenwood Cemetery
Lynnhurst Cemetery
Adair Park
Whittle Springs Golf Course
Chilhowee Park
Knoxville Zoo
Caswell Park
Holston Hills Country Club
Boyd Island
Marble Hill
Knoxville
Knoxville Downtown Island Airport
Pickel Island
William Hastie Natural Area
Wise Hill
Tyson Park
University of Tennessee Knoxville
Harold Lambert Overlook Park
World's Fair Park
Greenway Dr
Valley View Dr
Buffat Mill Rd
Washington Pike NE
Kenilworth Ln
Rutledge Pike NE
Love Creek
Holston Dr
Skyline Dr SE
Fairmont Blvd NE
Edgewood Ave
Cecil Ave NE
Sharps Ridge Rd
Dutch Valley Dr NE
Highland Dr NE
Fair Dr NE
N Broadway NE
N Central St
First Creek
Washington Ave NE
Woodbine Ave
Linden Ave
Martin Luther King Jr Ave
Wilson Ave
Brooks Ave
Boyds Bridge Pike
Riverside Dr
Belrose Dr
Holston River
James White Pkwy
Western Ave NW
Island Home Ave
Sevier Ave
Neyland Dr SW
W Blount Ave
Woodlawn Pike SE
Baker Creek
Redbud Rd SE
Toll Creek
Sevierville Pike SE
Cherokee Trl
Goose Creek
North Mill Pike SW
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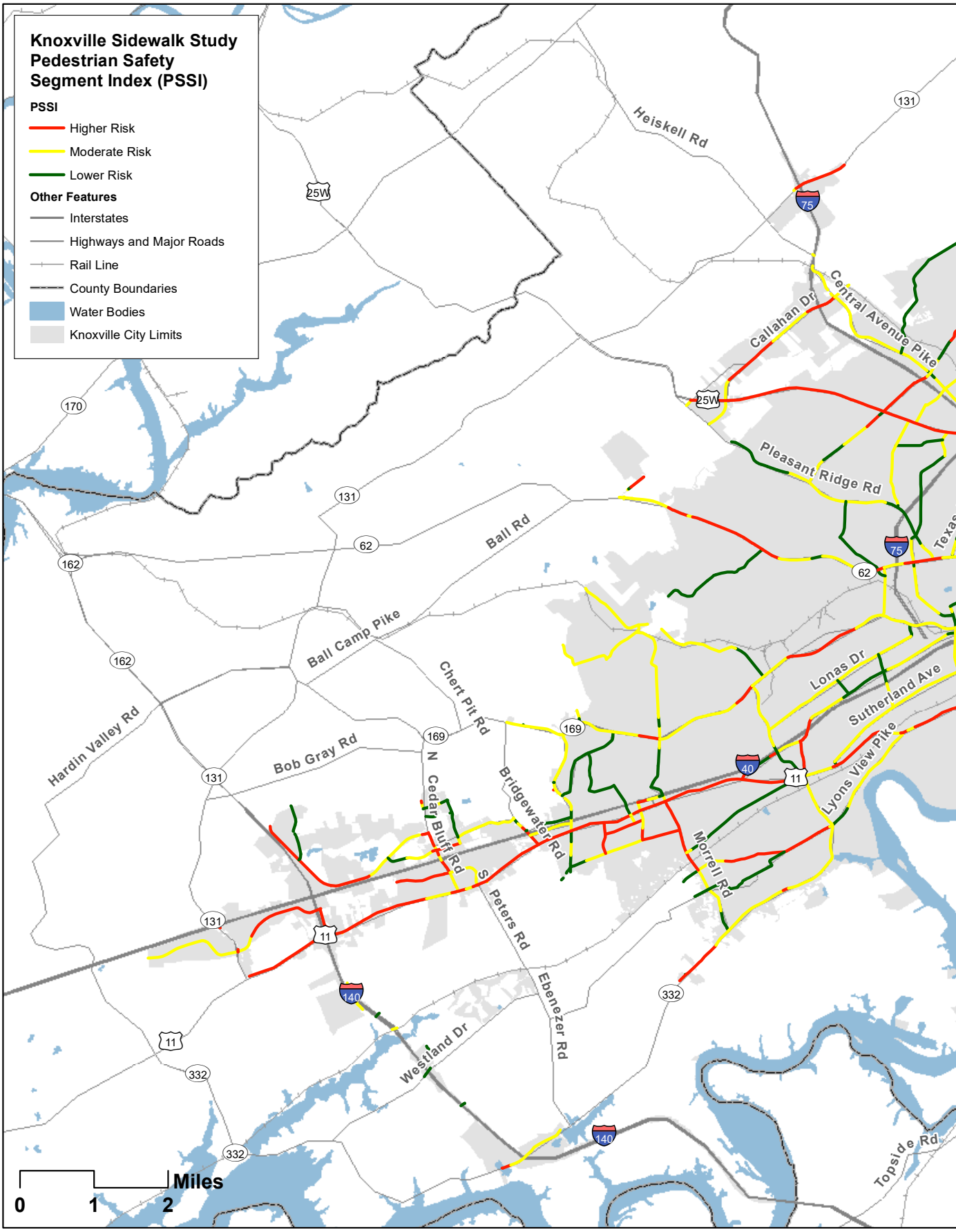
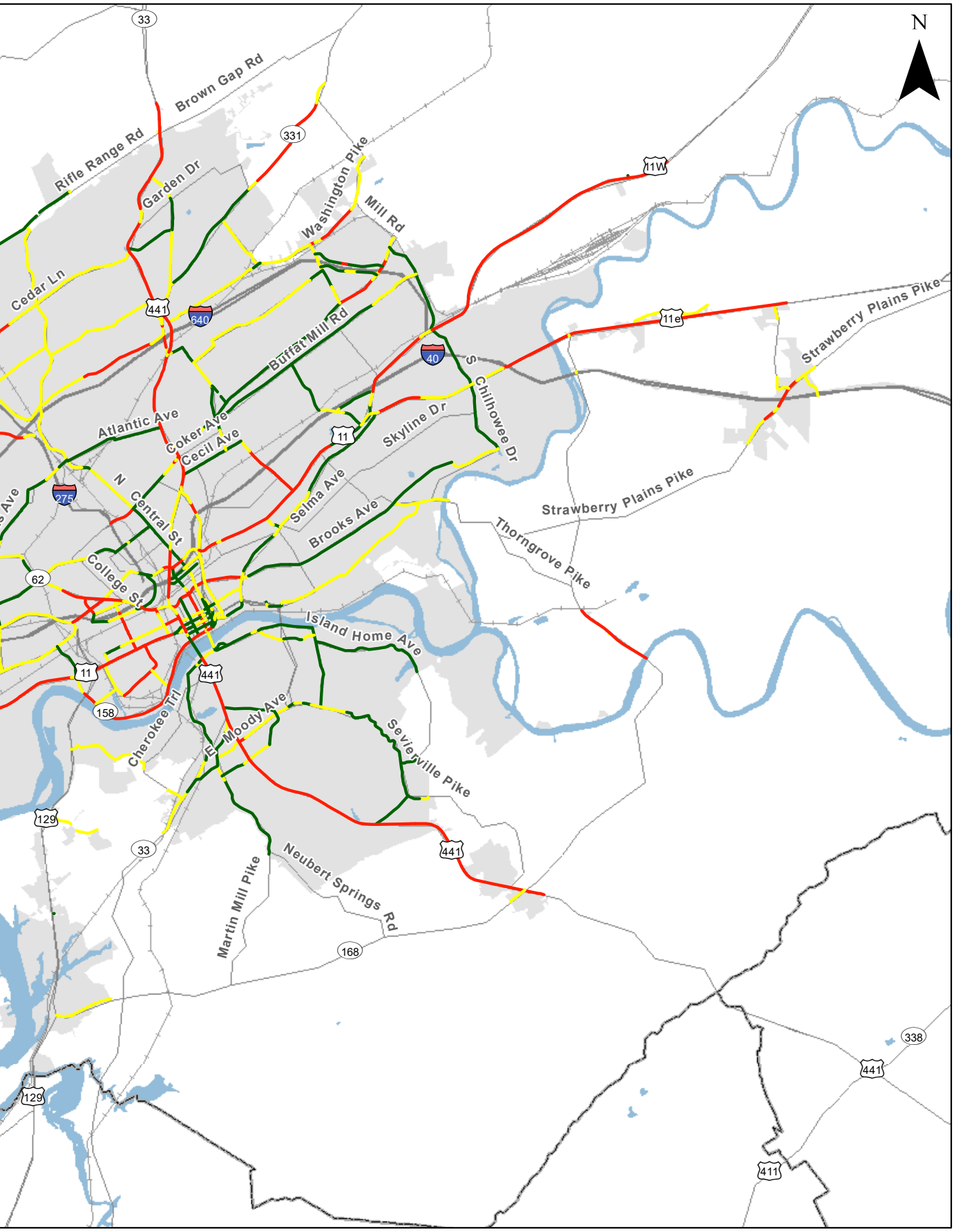
Figure 3-4. Pedestrian Safety Segment Index (PSSI)

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To better capture this relationship between pedestrian crashes and roadway characteristics, a Pedestrian Safety Segment Index (PSSI) was developed for functionally-classified roadways (minus controlled-access facilities) in the city, using a methodology originally developed by TDOT. The PSSI uses both crash data and roadway characteristics to highlight relative levels of pedestrian risk.

As shown in Table 3-2, each category's metrics are scored on a scale of '1' to '5,' with '5' representing a higher level of risk for that category and '1' representing a lower level of risk. Some categories, such as pedestrian access, are scored in a binary fashion as either '1' or '5;' others, such as Annual Average Daily Traffic, are scored by assigning scores between '1' and '5' to the data range. The sum of all categories' scores results in the PSSI.

Table 3-2. Pedestrian Safety Segment Index (PSSI) Criteria

Score Method	Metric
2007 - 2018 Ped Crashes Severity of Injury	Fatalities Serious Injury Injury
2008 - 2018 Ped Crashes Number of Crashes	Higher Frequency Lower Frequency
Annual Average Daily Traffic	Higher Volume Lower Volume
Number of Travel Lanes	Higher Number Lower Number
Posted Speed Limit	Higher Posted Speed Lower Posted Speed
Pedestrian Access	No Sidewalks Present Sidewalks Present
Pedestrian Protection	No Bike Lane Present Bike Lane Present
Crossing Risk	Multi-Lane, No Median Multi-Lane with Median or Turn Lane Two Lane

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As shown in Figure 3-4, many of the roadways identified as higher risk include key urban arterials such as Kingston Pike/Cumberland Avenue, North Broadway, Magnolia Avenue, Western Avenue, and Clinton Highway. However, some urban collectors are also higher risk locations for pedestrians, including West 5th Avenue, Ray Mears Boulevard, Downtown West Boulevard, and Executive Park Drive.

While many of these locations have "network gaps" or lack sidewalks entirely, others have existing sidewalks, suggesting that alleviating pedestrian safety risk goes beyond the provision of sidewalk infrastructure. Additional safety countermeasures, such as improved crossings, new or improved lighting or illumination, and traffic calming measures may be needed to complement new or improved sidewalk infrastructure.

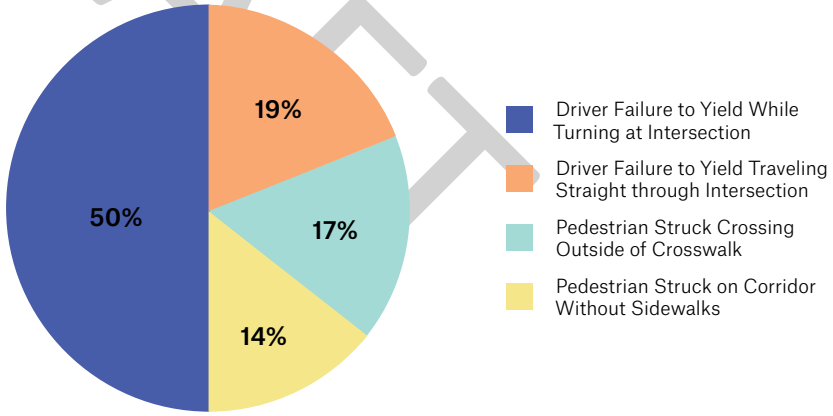
Aggravating Factors for Pedestrian Crashes

While not every crash can be attributed to a single primary cause, approximately 40 percent of the pedestrian crashes reviewed could be assigned to four prime aggravating factors.

1. **Driver Failure to Yield While Turning at Intersection** – These are crashes where the pedestrian was behaving properly while walking along or across a street, and the driver failed to yield while executing a turn.
2. **Pedestrian Struck on Corridor Without Sidewalks** – These are crashes where the pedestrian was walking along a street without sidewalks and was struck by a vehicle.
3. **Driver Failure to Yield Traveling Straight Through Intersection** – These are crashes where the pedestrian was crossing the street in a legally-recognized crosswalk, marked or unmarked, and was struck by a vehicle.
4. **Pedestrian Struck Crossing Outside of Crosswalk** – These are crashes where a pedestrian was struck while crossing the street at a location other than an intersection or marked midblock crossing.

Figure 3-5 indicates the distribution of crash factors.

Figure 3-5. Knoxville: Percent of Pedestrian Crashes by Aggravating Factor (2007-2017)



Of the classifiable factors, over two-thirds of crashes (69 percent) occurred at intersections, and 14 percent occurred at locations without a sidewalk. Detailed location studies to identify facility issues, driver and pedestrian education, and the construction of new sidewalks are all important strategies to reduce pedestrian crashes.

Table 3-4 lists the streets in Knoxville with no existing sidewalks where pedestrian crashes have occurred.

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Table 3-4. Pedestrian Crash Locations – No Existing Sidewalks

Street	Near
Aubrey Ln	Yates Ln
Ball Camp Pk	Kingsmore Dr
Bluff Ave	Folsom Ave
Boyds Bridge Pk	Pickering St
Breda Dr	The Hague
Breda Dr	The Hague
Bruhin Rd (fatality)	Breda Dr
Cedar Ln	Willoway Dr
Central Avenue Pk	Merchant Dr
Central Avenue Pk	Murray Dr
Central Avenue Pk	Naueda Dr
Chapman Hwy	Gwinfield Dr
Chapman Hwy	Martin Mill Pk
Clyde St	Middlebrook Pk
Dutch Valley Dr	Plummer Rd
Dutch Valley Dr	Ridge Grove LN
E Inskip Dr	Coster Rd
E Martin Mill Pk	Chapman Hwy
Edgeview Way	Shipman Dr
Fairway Dr	Forestdale Ave
Fillmore Ave	Glenn Ave
Fleetwood Dr	Dewine Rd
Fulton Dr	Villa Rd
Gleason Dr	Beaverton Rd
Gleason Dr	Danbury Rd
Gleason Dr	Forest Oak Dr
Heiskell Ave	Huray LN
Hillvale Turn East	Kingston Pk
Hoitt Ave	Boone St
Inskip Rd	South Park Cir
Kim Watt Dr	Frank Watts Rd
Knott Rd	Tenwood Dr
Lonas Dr	Pawnee Rd
Loves Creek Rd (fatality)	Buffat Mill Rd

Street	Near
Lyons Way	Valley View Dr
Merchant Dr	Tillery Dr
Millertown Pk	Brookwood Rd
Millertown Pk	Brookwood Rd
Murray Dr	Central Avenue Pk
Neubert Springs Rd	Lake Glenn Ln
Neyland Dr	Walnut St
N Northshore Dr	Westover Dr
Overbrook Dr	Gayview Dr
Piney Grove Church Rd	Glade Hill Dr
Piney Grove Church Rd	Glade Hill Dr
Price Ave	South Haven Rd
Primus Rd	Murray Dr
Rambling Rd	Drifting Rd
Riverside Dr	Lombard Pl
Rugby Ave	Marshall St
S Cherry St	Wilson Ave
Sanderson Rd	Keith Ave
Sevier Ave	Pearson Ave
Sevierville Pk	Colchester Ct
Sims Rd	Avenue A
Tazewell Pk	Beverly Park Cir
Valley View Dr	Cross Valley Rd
Valley View Dr	Katey Springs Way
W Baxter Ave	Beaumont Ave
W Inskip Dr	Central View Rd
W Inskip Dr	E Inskip Dr
W Inskip Dr	Schubert Rd (2 crashes)
W Moody Ave	Tomlinson St
W Oldham Ave	McSpadden St
W Young High Pk	Chapman Hwy
Westland Dr	Morrell Rd
Wilson Ave	S Beaman St

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3.3 Health and Equity Analysis

In response to feedback received at the stakeholder meetings, a health and equity analysis was conducted as part of the pedestrian system analysis. The analysis identified areas of the city, at the Census Block Group level, with high concentrations of vulnerable populations; that is, residents who are more dependent on sidewalks and transit networks to access destinations, as well as residents in need of pedestrian infrastructure to improve health outcomes. The final health and equity composite score was based on the proportion of the population or households with the following health and socioeconomic factors:

1. Under age 18;
2. Over age 65;
3. Households at or below the federal poverty level;
4. Hispanic/Latinx;
5. Non-white;
6. Households without a vehicle;
7. Disability status;
8. Obesity in adults;
9. Diabetes in adults;
10. No leisure time physical activity in adults;
11. Poor mental health for more than 14 days in adults; and
12. Lack of health insurance among adults.

The factors are based on the latest estimates from two key data sources. Factors '1' through '7' are based on data reported by the U.S. Census Bureau American Community Survey (ACS) 2013 – 2017 5-Year Estimates. Factors '8' through '12' are based on 2017 data estimates reported in the Centers for Disease Control and Prevention (CDC) 500 Cities Project dataset.

As shown in Figure 3-6, the health and equity analysis identified Census Block Groups in the City of Knoxville with a higher proportion of vulnerable populations that would likely benefit from an improved pedestrian environment.

Three areas with higher composite health and equity scores include:

- East Knoxville;
- North of Sutherland Avenue near John Tarleton Park; and
- Lonsdale neighborhood.

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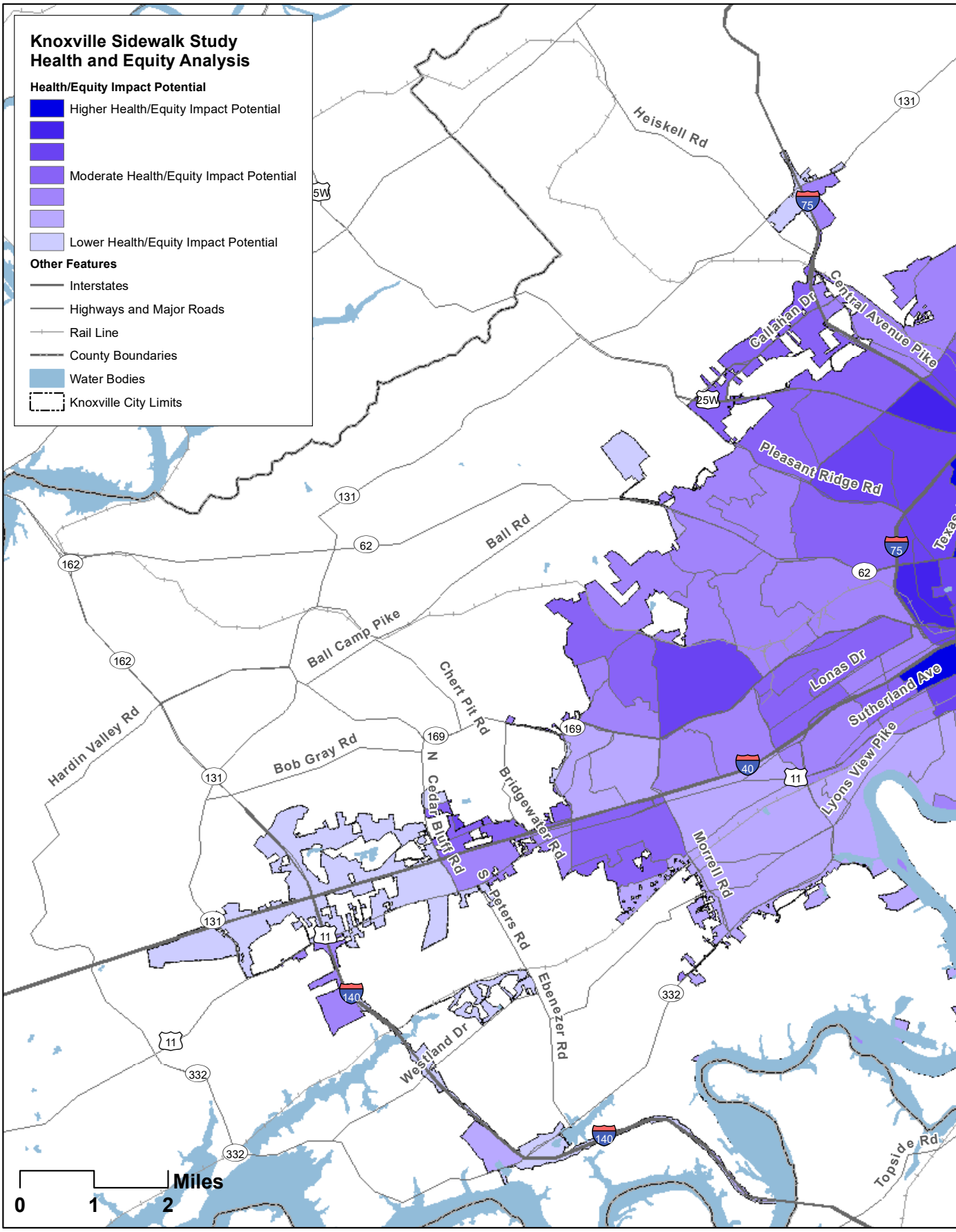
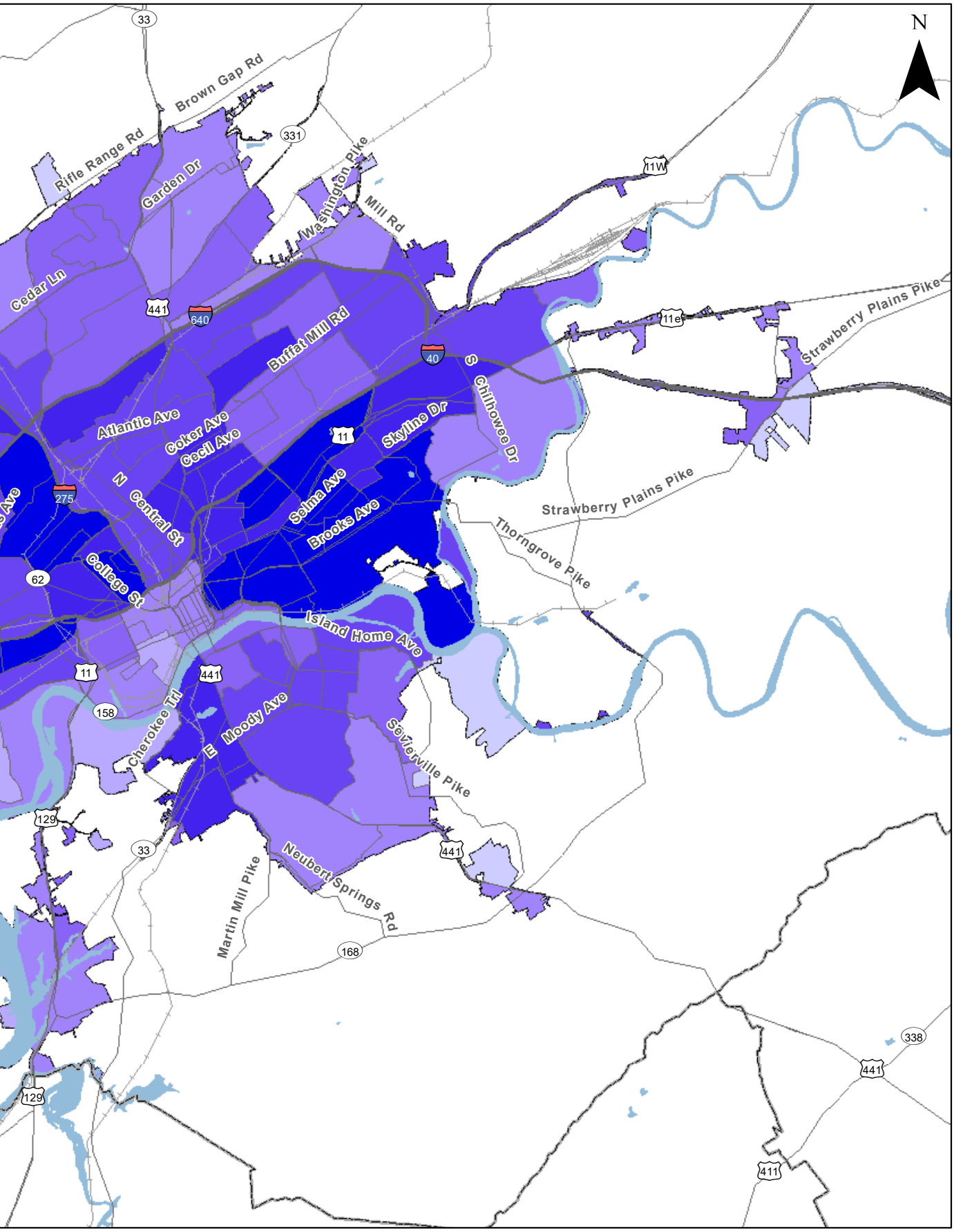
Figure 3-6. Health and Equity Analysis Results




N
Brown Gap Rd
Rifle Range Rd
Garden Dr
Washington Pike
Mill Rd
Cedar Ln
Buffat Mill Rd
Atlantic Ave
Coker Ave
Cecil Ave
N Central St
Skyline Dr
S Chilhowee Dr
Selma Ave
Brooks Ave
College St
Island Home Ave
Cherokee Trl
E Moody Ave
Sevierville Pike
Martin Mill Pike
Neubert Springs Rd
Strawberry Plains Pike
Thorngrove Pike
33
331
441
640
40
11
275
62
158
129
168
11W
11E
338
411

Areas with higher health and equity impact potential are generally located to the north and east of downtown, with fewer areas in West Knoxville. The health and equity results are incorporated into the project prioritization framework to ensure that neighborhoods with vulnerable populations are represented in both short- and long-term investment priorities.

3.4 Sidewalk "Network Gap" Analysis

Sidewalk "network gaps" were identified using several methods. The "network gap" analysis began with the comprehensive records of citizen sidewalk requests maintained by the City of Knoxville's Engineering Department. As discussed in Section 2.3, these requests were received through direct citizen contact with the City via Knoxville 3-1-1, email, or engagement through neighborhood or sector studies and plans. These existing requests were integrated into an overall digital sidewalk map database. In addition to the existing sidewalk project requests, an online interactive map was deployed during the public engagement phase of the study. The map was optimized to allow visitors to suggest new sidewalks, identify existing gaps in the network, and comment on currently-planned projects. The public engagement process also generated several project requests at the public workshops that were integrated into the mapping database.

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"Network Gap" Definition

Sidewalk "network gaps" are sections along (1) any public roadway that lacks a sidewalk on either side, (2) arterial roadways and high volume collectors that lack a sidewalk on one or both sides of the road, or (3) any public roadway missing segments of sidewalk between two separate sections of existing sidewalk. Addressing existing "network gaps" in the network better accommodates the needs of all pedestrians by connecting two separate sections of the sidewalk network and benefiting a larger geographic area. In contrast, a sidewalk extension expands the existing network, usually to connect a specific location, such as a school or park, or to accommodate new development. Whether a roadway with a sidewalk missing on a single side is considered a "network gap" can be subjective. For the purposes of this study, the functional classification of the roadway is used as a guide to define sidewalk "network gaps".

Table 3-5 provides definitions of each roadway classification, as defined in the 2018 Knoxville-Knox County Major Road Plan, as well as the criteria by which a sidewalk gap is identified.

Table 3-5. Functional Classifications and "Network Gap" Criteria

Functional Classification	Definition	"Network Gap" Gap Criteria
Interstate	A divided highway, designated under the Interstate Highway System, designed for the safe, unimpeded movement of large volumes of through traffic with full access control and grade separation at intersections. Interchange spacing is typically greater than one mile.	Sidewalks should not exist on roadways classified as interstates, however paralleling pedestrian connectivity (multi-use trails/greenways) may be implemented as warranted and feasible.
Expressway	A divided highway designed for the safe, unimpeded movement of large volumes of through traffic. Intersection grade separation and full access control is desired, however may contain occasional at grade intersections. Intersection spacing is typically one mile or greater.	In rare, specific instances, sidewalks may be implemented on Expressways, but a major caveat is crossing points and accessibility. Access control and the distance between at-grade intersections creates major hurtles to accessibility and crossing the roadways. In addition, because all Expressways are State or US routes under the authority of TDOT, coordination of any feasible pedestrian facility must be coordinated and approved by TDOT. Under current conditions, the construction of sidewalks on any expressways in Knoxville is not warranted.
Major Arterial	A street that provides major movement within the area, provides intercommunity connections to the local street system and moves through traffic between activity centers. Access control is desirable. The spacing of Major Arterials is typically 1/8-1/4 mile in a downtown, 1/4-1/2 mile in urban areas, 1/2-1 mile in suburban areas and greater than 1 mile in rural areas. Intersection spacing of Major Arterials is typically 1/2 mile or greater.	Sidewalks are desired on Major Arterials, but access and roadway crossings must be well conceived. In addition, installation of sidewalks on both sides of Major Arterials is critical due to limited crossings and high traffic volumes.
Minor Arterial	A street that augments the principal arterial system, carries trips of moderate length and moves through traffic between activity centers. Access control is desirable. The spacing of Minor Arterials is typically 1/8-1/4 mile in a downtown, 1/4-1/2 mile in urban areas, 1/2-1 mile in suburban areas and greater than 1 mile in rural areas. Intersection spacing of Minor Arterials is typically 400 feet or greater.	Sidewalks are desired on Minor Arterials, but access and roadway crossings must be well conceived. In addition, installation of sidewalks on both sides of Minor Arterials is recommended due to limited crossings and high traffic volumes.
Major Collector	A street that primarily provides for short distance traffic movement and primarily functions to collect and distribute traffic between local streets and high-volume traffic generators and arterials. The spacing of Major Collectors is typically ½ mile and intersection spacing is typically 300 feet or greater.	Minor Collectors should typically have sidewalk on one side of the roadway, with sidewalks on both sides being preferred.
Minor Collector	A street that primarily functions to collect and distribute traffic between local streets and arterials and provides direct access to abutting land. The spacing of Minor Collectors is typically 1/2 mile or less and intersection spacing is typically around 300 feet.	Minor Collectors should typically have sidewalk on one side of the roadway, with sidewalks on both sides being preferred.
Local Street	A minor street that provides direct access to abutting land. Intersection spacing of Local Streets is 125 feet or greater.	Location-specific attributes, topography, site distances and traffic volumes as well as pedestrian demand should dictate the necessity of sidewalks on roadways classified as a Local Street.
Alley	Alleys are rights-of-way, dedicated to public use typically for one-way traffic flow, which affords a secondary means of vehicular access to the back or side of properties otherwise abutting a street and which may be used for public utility purposes. Alleys shall have a minimum right-of-way of 20 feet.	Due to low speed and low volume, in most cases, sidewalks are not necessary and typically not feasible within alleys.

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Section 4.0

Infrastructure Development

4.1 Pedestrian Network Plan

The results of the pedestrian system analysis provide the basis for the pedestrian network plan (PNP). The overall PNP represents a list of potential pedestrian network improvement projects unconstrained by funding levels or a complete feasibility or constructability review. The primary purpose of the PNP is to identify the facilities needed to establish sufficient network connectivity through the construction of new sidewalks along existing roadways. The PNP does not include pedestrian and multi-use path projects identified in the 2016 Greenway Corridor Feasibility and Assessment Study.

As shown in Figures 4-1 through 4-7, the PNP includes sidewalk projects in all six city council districts. The PNP contains a total of 410 miles of proposed sidewalks, which, if all identified projects were built, will increase the total sidewalk network from 345 to 755 miles, and the total linear feet of sidewalk per capita from 10.9 to 21.6 feet.

In addition to the new sidewalk projects shown in Figures 4-1 through 4-7, the study also includes a number of "potential corridor improvement" projects in each council district. These projects consist of existing sidewalks which need to be evaluated for potential improvements, and were identified through a review of pedestrian crash data or feedback from the public.

The PNP is not intended to address maintenance, repair, or modification of existing pedestrian facilities. The PNP proposes a snapshot of identified new facility needs and should be updated regularly to accommodate changes in land use, population densities, and other changes that would affect the location and needs of new pedestrian infrastructure.

Full implementation of all sidewalk recommendations is highly unlikely in the near future. As such, the PNP includes prioritization factors to identify strategic investments the city can make over time, ultimately working toward a larger and more accessible citywide sidewalk network.

The full listing of all sidewalk projects, including both new sidewalk and potential corridor improvement projects, are listed by city council district in Appendix A.

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4.2 Pedestrian Network Segment List and Cost Estimates

Cost estimation was performed using prevailing design and construction costs. Due to the variety in the types of projects, cost estimation was completed on a template basis by roadway functional classification. Table 4-1 shows the cost assumptions, per linear foot, associated with each roadway type.

It is important to note that the estimates generated for the study are for budgetary purposes and must take into account variables that will require, at a minimum, preliminary design to define a more accurate estimate of probable cost. As such, costs identified in the study will likely be, on average, higher than the actual final project costs. In turn, a small percentage of projects may exceed the study cost estimate due to unusual project-specific elements such as storm drainage issues, the need for retaining walls, and/or bridge or structural requirements.

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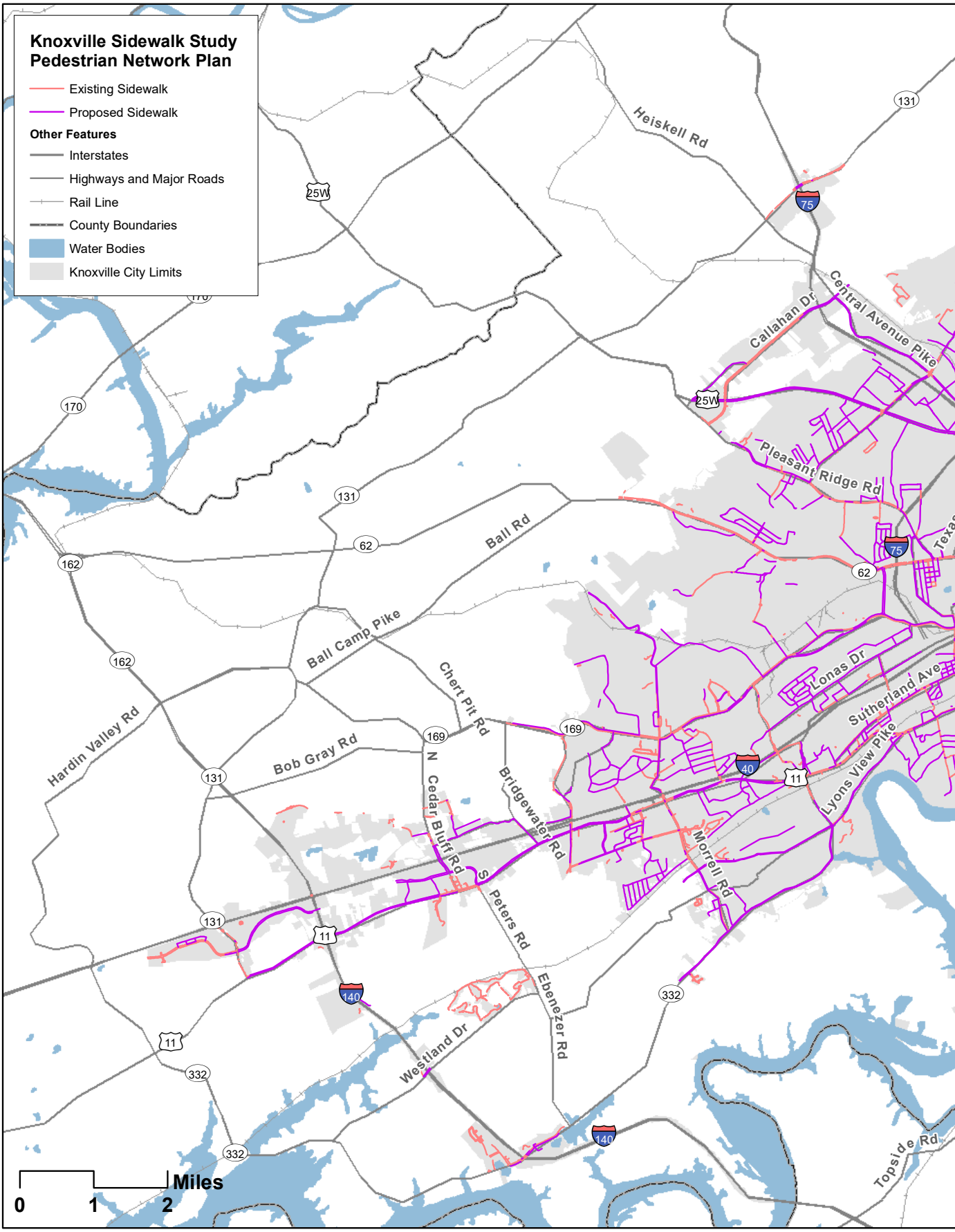
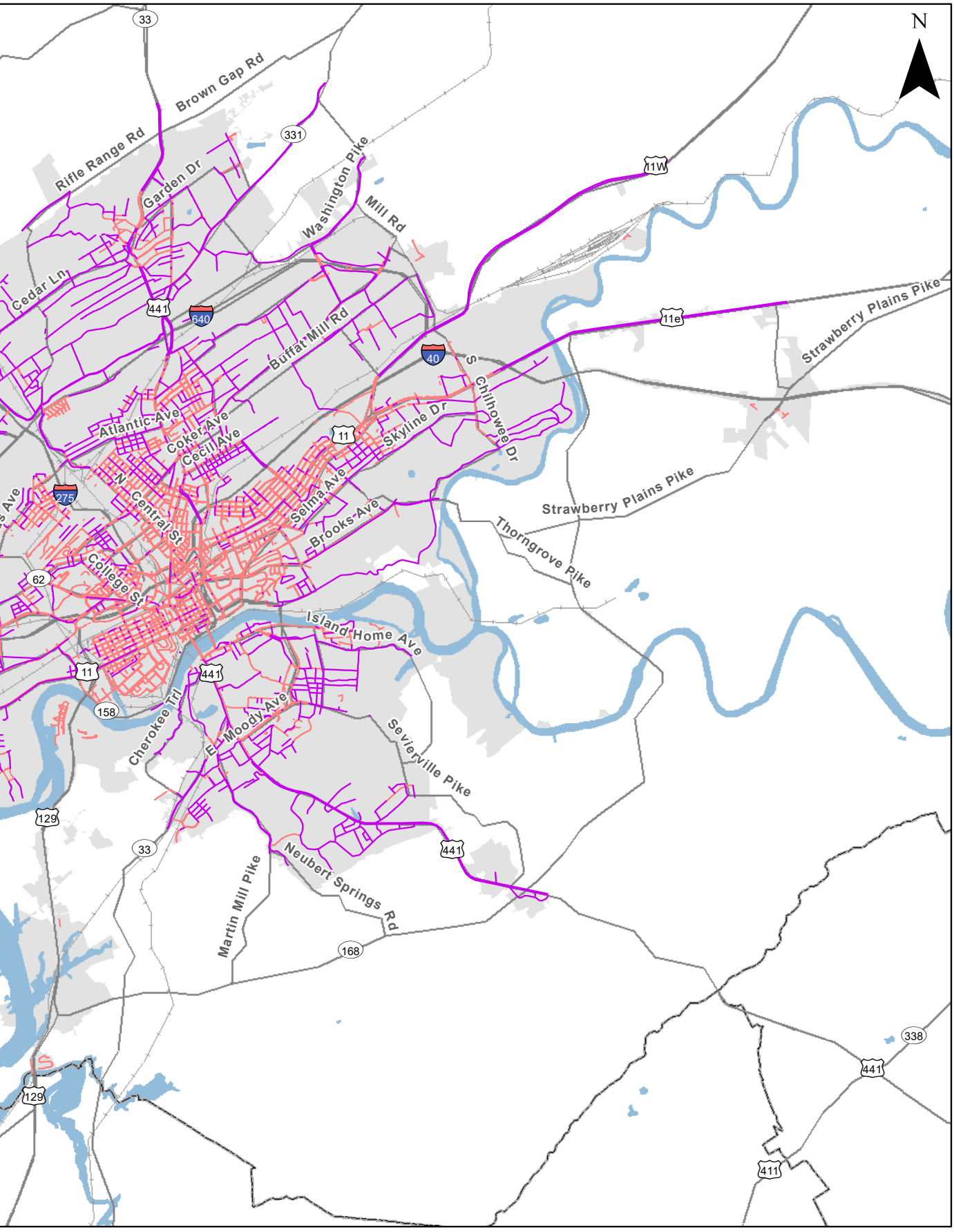
Table 4-1. Cost per Linear Foot Assumption by Functional Classification

Roadway Functional Classification	Cost per Linear Foot
Local	$745
Minor Collector	$833
Major Collector	$840
Minor Arterial	$893
Major Arterial	$901

Figure 4-1. Pedestrian Network Plan - Citywide




N
Brown Gap Rd
Rifle Range Rd
Garden Dr
Washington Pike
Mill Rd
Cedar Ln
Buffat Mill Rd
Atlantic Ave
Coker Ave
Cecil Ave
Skyline Dr
S Chilhowee Dr
Strawberry Plains Pike
N Central St
Selma Ave
Brooks Ave
College St
Thorngrove Pike
Island Home Ave
Cherokee Trl
E Moody Ave
Sevierville Pike
Martin Mill Pike
Neubert Springs Rd
33
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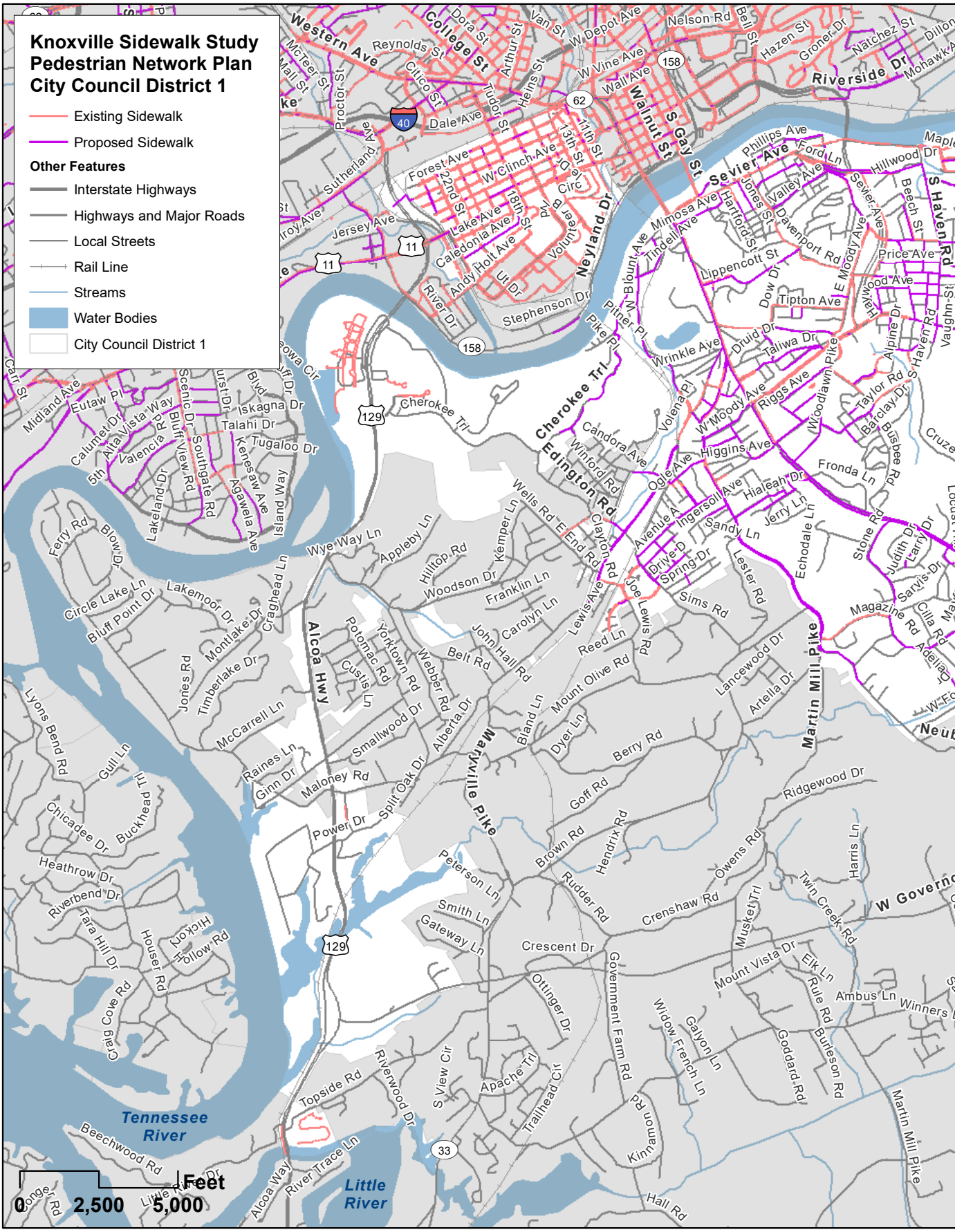
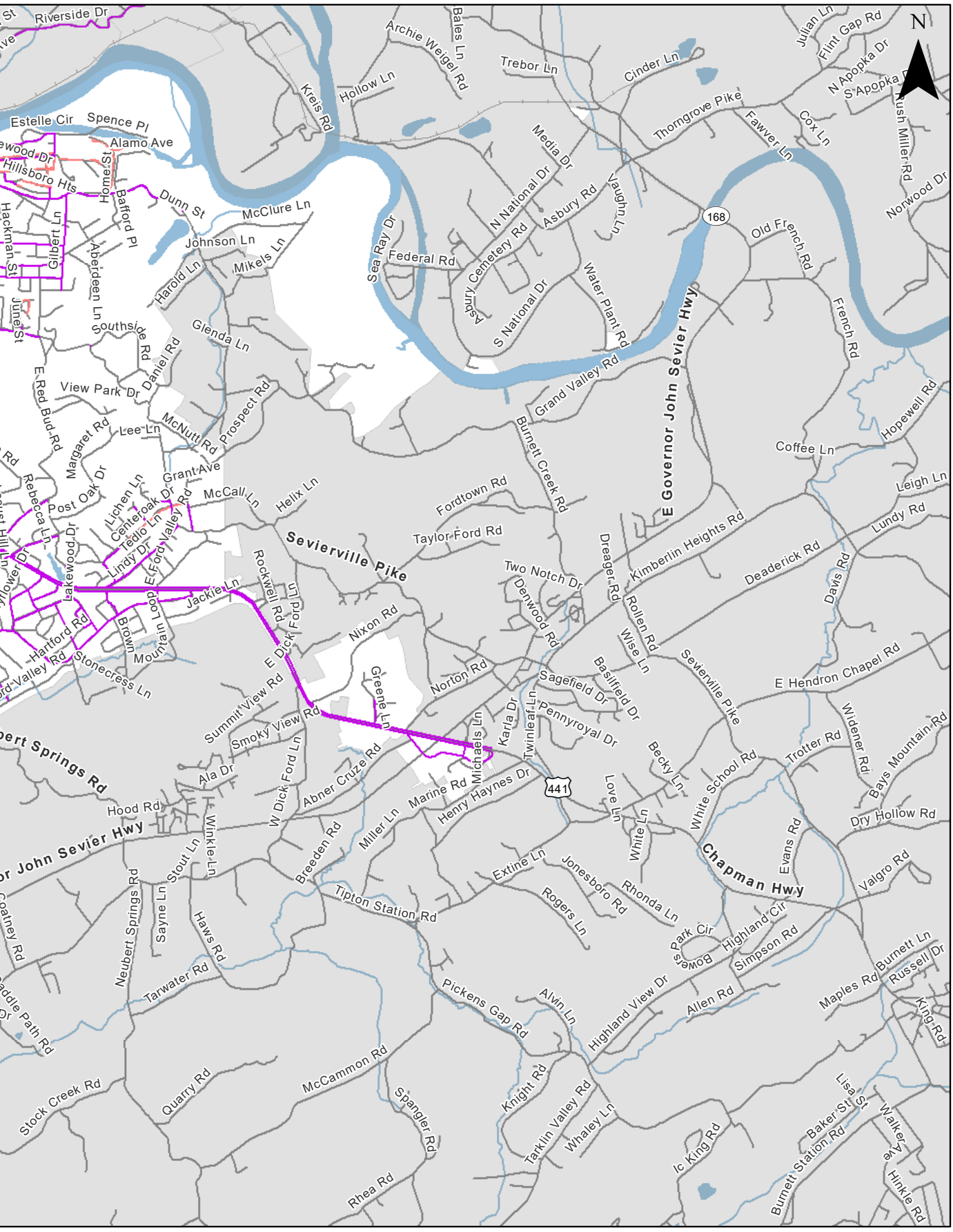
275
62
158
129
168
338
411

Figure 4-2. Pedestrian Network Plan – Council District 1

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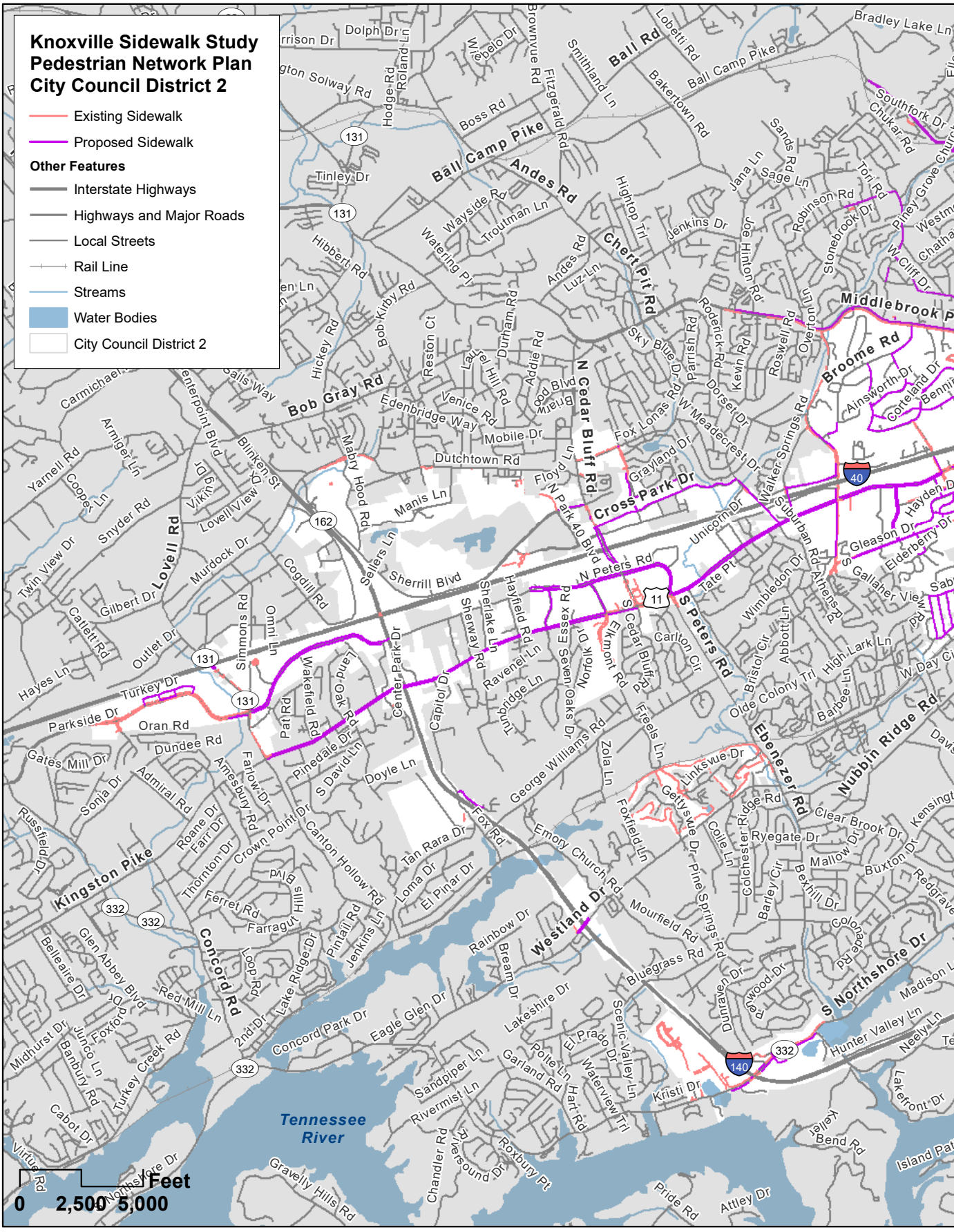
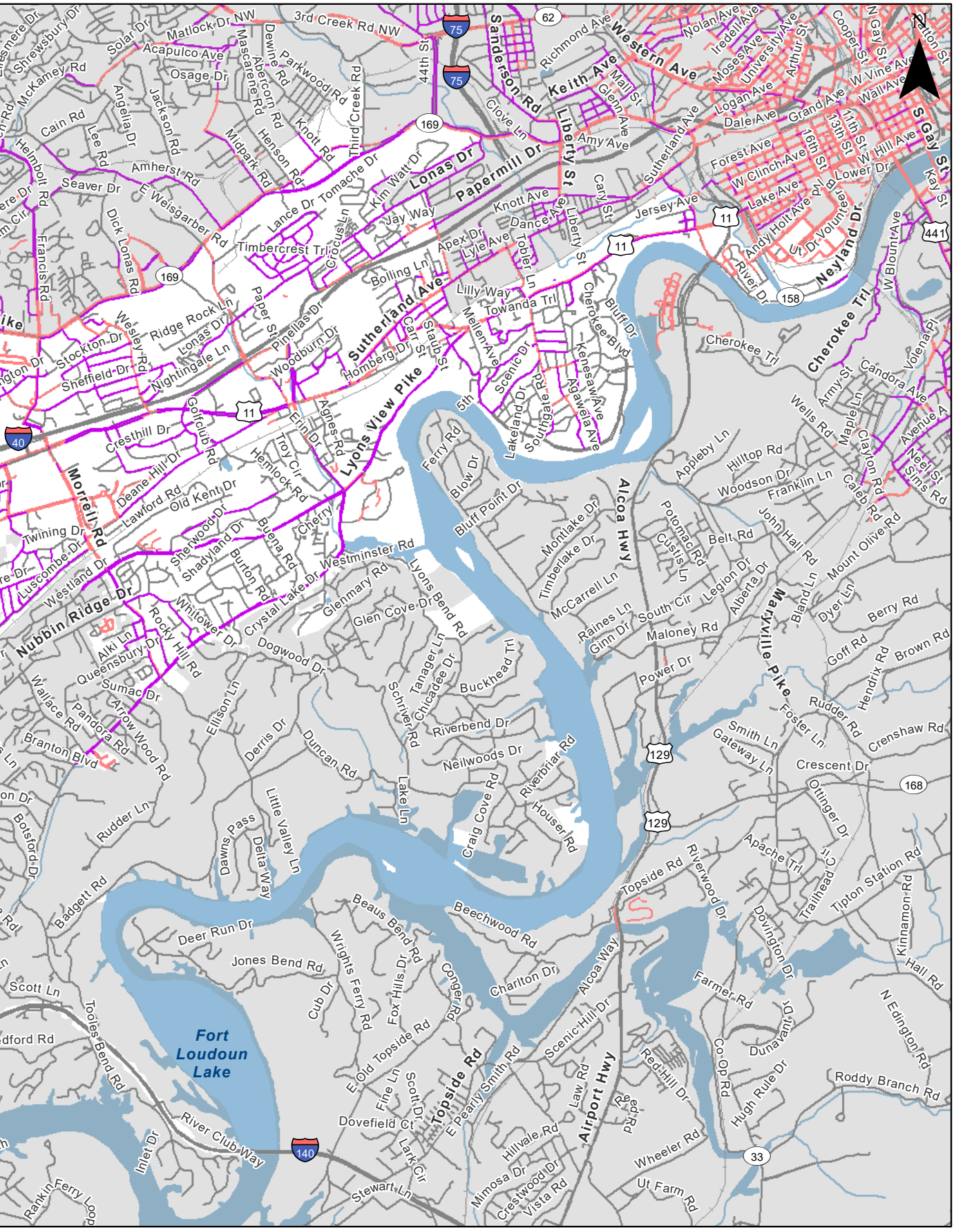
Riverside Dr
Estelle Cir
Spence Pl
Alamo Ave
Hillsboro Hts
Homer St
Barford Pl
Dunn St
McClure Ln
Johnson Ln
Mikels Ln
Harold Ln
Gilbert Ln
Hackman St
June St
Aberdeen Ln
Southside Rd
Daniel Rd
Glenda Ln
E Red Bud Rd
View Park Dr
Margaret Rd
Lee Ln
McNutt Rd
Prospect Rd
Grant Ave
McCall Ln
Helix Ln
Rebecca Ln
Post Oak Dr
Lichen Ln
Centeroak Dr
Tedio Ln
Lindy Dr
E Ford Valley Rd
Lakewood Dr
Jackie Ln
Rockwell Rd
E Dick Ford Ln
Nixon Rd
Brown Mountain Loop
Hartford Rd
Stonecress Ln
Summit View Rd
Smoky View Rd
Greene Ln
Norton Rd
Sevierville Pike
Archie Weigel Rd
Bales Ln
Trebor Ln
Hollow Ln
Kreis Rd
Cinder Ln
Julian Ln
Flint Gap Rd
N Apopka Dr
S Apopka Dr
Thorngrove Pike
Fawver Ln
Cox Ln
Rush Miller Rd
Norwood Dr
Media Dr
N National Dr
Asbury Rd
Vaughn Ln
Sea Ray Dr
Federal Rd
Asbury Cemetery Rd
S National Dr
Water Plant Rd
168
Old French Rd
French Rd
E Governor John Sevier Hwy
Grand Valley Rd
Burnett Creek Rd
Hopewell Rd
Coffee Ln
Leigh Ln
Lundy Rd
Fordtown Rd
Taylor Ford Rd
Two Notch Dr
Denwood Rd
Dreager Rd
Kimberlin Heights Rd
Deaderick Rd
Davis Rd
Rollen Rd
Wise Ln
Basilfield Dr
Sagefield Dr
Pennyroyal Dr
Twinleaf Ln
Karla Dr
Michaels Ln
Marine Rd
Henry Haynes Dr
441
E Hendron Chapel Rd
Widener Rd
Bays Mountain Rd
Trotter Rd
White School Rd
Becky Ln
Love Ln
White Ln
Dry Hollow Rd
Evans Rd
Valgro Rd
Chapman Hwy
Extine Ln
Jonesboro Rd
Rhonda Ln
Rogers Ln
Tipton Station Rd
Park Cir
Highland Cir
Simpson Rd
Bowers
Maples Rd
Burnett Ln
Russell Dr
King Rd
Allen Rd
Highland View Dr
Alvin Ln
Pickens Gap Rd
Ala Dr
Hood Rd
Abner Cruze Rd
W Dick Ford Ln
Breeden Rd
Miller Ln
Winkle Ln
Stout Ln
Sayne Ln
Haws Rd
Neubert Springs Rd
Tarwater Rd
Coatney Rd
Saddle Path Rd
Stock Creek Rd
Quarry Rd
McCammon Rd
Spangler Rd
Rhea Rd
Knight Rd
Tarklin Valley Rd
Whaley Ln
Ic King Rd
Lisa Ln
Baker St
Burnett Station Rd
Walker Ave
Hinkle Rd
ert Springs Rd
or John Sevier Hwy

Figure 4-3. Pedestrian Network Plan – Council District 2




Fort Loudoun Lake
Sanderson Rd
Keith Ave
Western Ave
Liberty St
Lonas Dr
Papermill Dr
Sutherland Ave
Lyons View Pike
Morrell Rd
Nubbin Ridge Dr
Cherokee Trl
Neyland Dr
S Gay St
Alcoa Hwy
Maryville Pike
Topside Rd
Airport Hwy
Beechwood Rd
Deer Run Dr
Jones Bend Rd
Tooles Bend Rd
River Club Way
Inlet Dr
Stewart Ln
Dovefield Ct
Hillvale Rd
Mimosa Dr
Crestwood Dr
Vista Rd
Ut Farm Rd
Wheeler Rd
Roddy Branch Rd
Hall Rd
N Edington Rd
Tipton Station Rd
Crenshaw Rd
Crescent Dr
Smith Ln
Gateway Ln
Foster Ln
Rudder Rd
Hendrix Rd
Brown Rd
Goff Rd
Berry Rd
Dyer Ln
Bland Ln
Mount Olive Rd
John Hall Rd
Belt Rd
Legion Dr
Alberta Dr
Maloney Rd
Power Dr
Raines Ln
Ginn Dr
South Cir
McCarrell Ln
Timberlake Dr
Montlake Dr
Potomac Rd
Custis Ln
Appleby Ln
Hilltop Rd
Woodson Dr
Franklin Ln
Caleb Rd
Clayton Rd
Wells Rd
Maple Ln
Army St
Candora Ave
Volena Pl
Avenue A
Neel St
Sims Rd
Cherokee Blvd
Bluff Dr
Kenesaw Ave
Agawela Ave
Scenic Dr
Southgate Rd
Lakeland Dr
Ferry Rd
Blow Dr
Bluff Point Dr
Glen Cove Dr
Lyons Bend Rd
Glenmary Rd
Westminster Rd
Crystal Lake Dr
Whitlowe Dr
Rocky Hill Rd
Alki Ln
Queensbury Dr
Dogwood Dr
Sumac Dr
Arrow Wood Rd
Pandora Rd
Wallace Rd
Branton Blvd
Ellison Ln
Derris Dr
Duncan Rd
Little Valley Ln
Delta Way
Dawns Pass
Rudder Ln
Badgett Rd
Botsford Dr
Scott Ln
Cub Dr
Wrights Ferry Rd
Beaus Bend Rd
Fox Hills Dr
Old Topside Rd
E Old Topside Rd
Fine Ln
Scott Dr
E Pearly Smith Rd
Law Rd
Lee Rd
Red Hill Dr
Co-Op Rd
Hugh Rule Dr
Dunavant Dr
Farmer Rd
Dovington Dr
Trailhead Cir
Apache Trl
Riverwood Dr
Topside Rd
Alcoa Way
Scenic Hill Dr
Charlton Dr
Congers Rd
Craig Cove Rd
Lake Ln
Houser Rd
Riverbriar Rd
Neilwoods Dr
Riverbend Dr
Buckhead Trl
Chickadee Dr
Tanager Ln
Schriver Rd
Ottinger Dr
Kinnamon Rd
Lilly Way
Towanda Trl
Mellen Ave
Carr St
Staub St
Homberg Dr
Woodburn Dr
Pinellas Dr
Paper St
Ridge Rock Ln
Wesley Rd
Stockton Dr
Sheffield Dr
Nightingale Ln
Golfclub Rd
Cresthill Dr
Deane Hill Dr
Lawford Rd
Old Kent Dr
Twining Dr
Luscombe Dr
Westland Dr
Sherwood Dr
Shadyland Dr
Burton Rd
Buena Rd
Cherry
Hemlock Rd
Troy Cir
Elrod Dr
Agnes Rd
Timbercrest Trl
Crocus Ln
Jay Way
Kim Watt Dr
Lance Dr
Tomache Dr
E Weisgarber Rd
Dick Lonas Rd
Francis Rd
Seaver Dr
Amherst Rd
Midpark Rd
Henson Rd
Knott Rd
Third Creek Rd
Jackson Rd
Lee Rd
Cain Rd
Angelia Dr
Helmbolt Rd
McKamey Rd
Shrewsbury Dr
Solar Dr
Matlock Dr NW
3rd Creek Rd NW
Acapulco Ave
Osage Dr
Mascarene Rd
Abercorn Rd
Dewine Rd
Parkwood Rd
44th St
Clove Ln
Amy Ave
Glenn Ave
Mall St
Richmond Ave
Nolan Ave
Iredell Ave
Moses Ave
University Ave
Arthur St
Cooper St
N Gay St
Patton St
W Vine Ave
Wall Ave
Logan Ave
Dale Ave
Grand Ave
11th St
13th St
16th St
W Hill Ave
Forest Ave
W Clinch Ave
Lake Ave
Lower Dr
Andy Holt Ave
Ut Dr
Volunteer Dr
River Dr
Jersey Ave
Cary St
Liberty St
Knott Ave
Dance Ave
Apex Dr
Lyle Ave
Tobler Ln
Bolling Ln
Kay St
W Blount Ave
Volena Pl
Avenue A
Sims Rd
Neel St
Caleb Rd
Clayton Rd
Maple Ln
Army St
Candora Ave
Wells Rd
Cherokee Trl
Ferry Rd
Blow Dr
Bluff Point Dr
Glen Cove Dr
Lyons Bend Rd
Glenmary Rd
Westminster Rd
Crystal Lake Dr
Whitlowe Dr
Rocky Hill Rd
Alki Ln
Queensbury Dr
Dogwood Dr
Sumac Dr
Arrow Wood Rd
Pandora Rd
Wallace Rd
Branton Blvd
Ellison Ln
Derris Dr
Duncan Rd
Little Valley Ln
Delta Way
Dawns Pass
Rudder Ln
Badgett Rd
Botsford Dr
Scott Ln
Cub Dr
Wrights Ferry Rd
Beaus Bend Rd
Fox Hills Dr
Old Topside Rd
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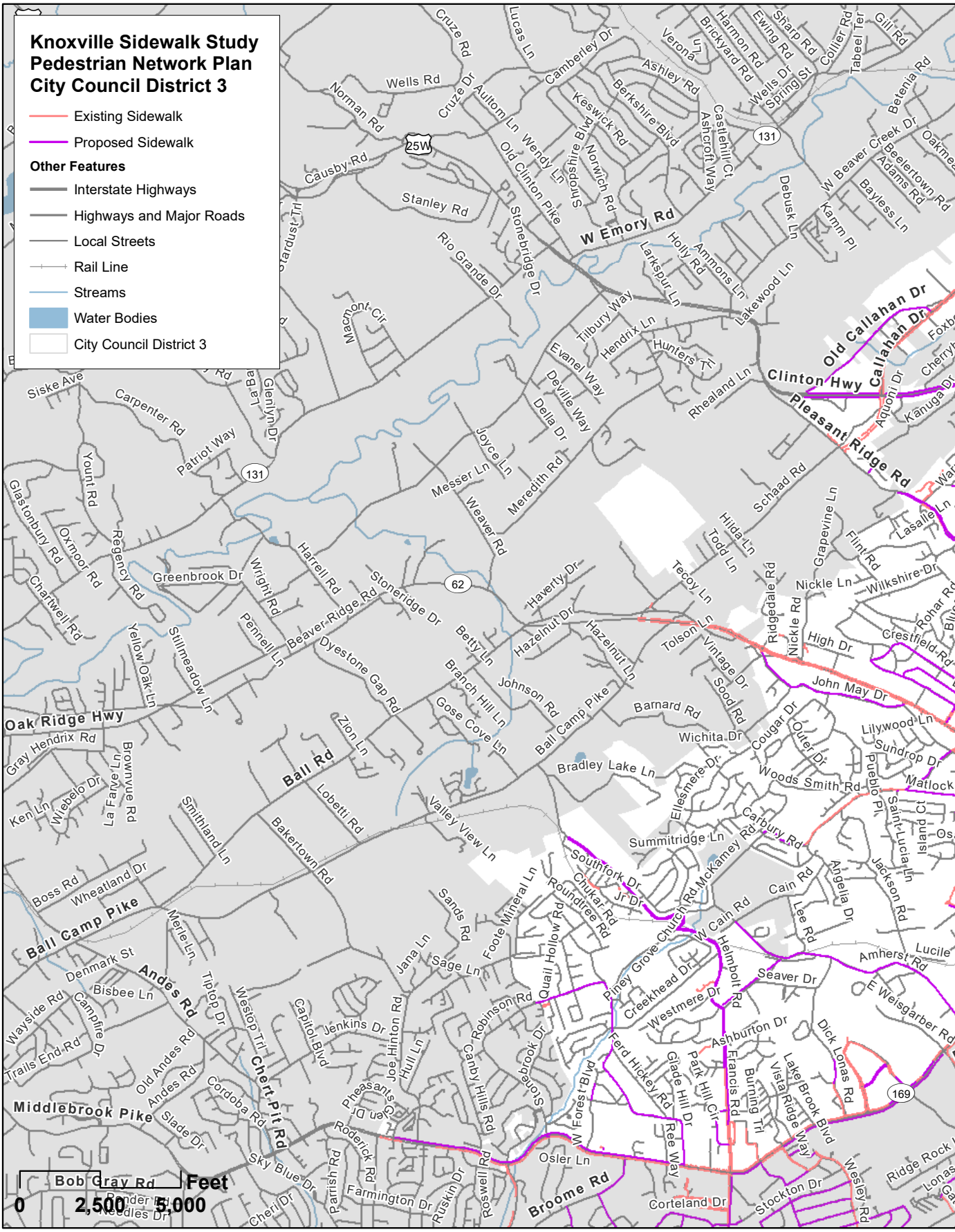
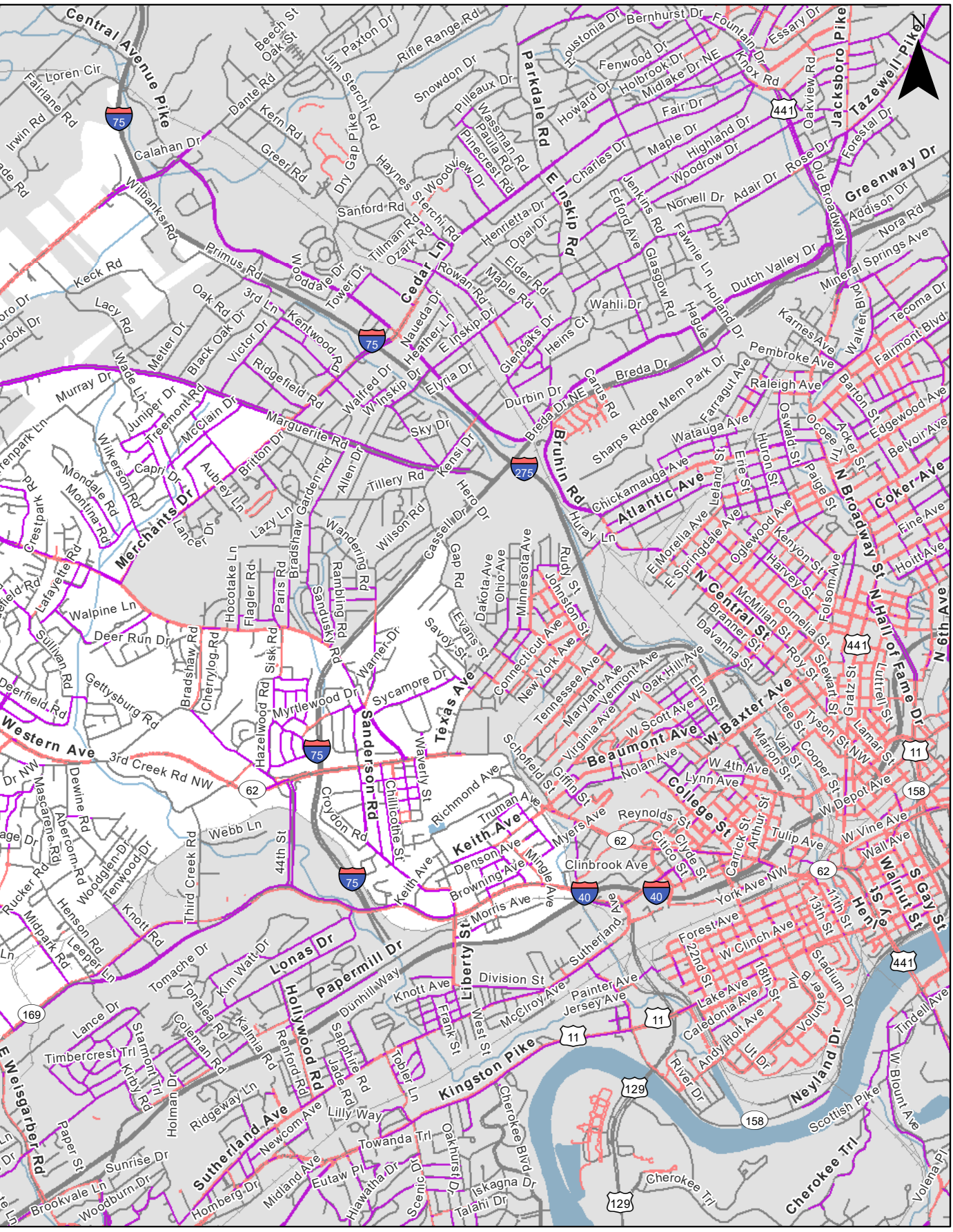
Fine Ln
Scott Dr
E Pearly Smith Rd
Law Rd
Lee Rd
Red Hill Dr
Co-Op Rd
Hugh Rule Dr
Dunavant Dr
Farmer Rd
Dovington Dr
Trailhead Cir
Apache Trl
Riverwood Dr
Topside Rd
Alcoa Way
Scenic Hill Dr
Charlton Dr
Congers Rd
Craig Cove Rd
Lake Ln
Houser Rd
Riverbriar Rd
Neilwoods Dr
Riverbend Dr
Buckhead Trl
Chickadee Dr
Tanager Ln
Schriver Rd
Ottinger Dr
Kinnamon Rd
Hall Rd
N Edington Rd
Tipton Station Rd
Crenshaw Rd
Crescent Dr
Smith Ln
Gateway Ln
Foster Ln
Rudder Rd
Hendrix Rd
Brown Rd
Goff Rd
Berry Rd
Dyer Ln
Bland Ln
Mount Olive Rd
John Hall Rd
Belt Rd
Legion Dr
Alberta Dr
Maloney Rd
Power Dr
Raines Ln
Ginn Dr
South Cir
McCarrell Ln
Timberlake Dr
Montlake Dr
Potomac Rd
Custis Ln
Appleby Ln
Hilltop Rd
Woodson Dr
Franklin Ln
Caleb Rd
Clayton Rd
Wells Rd
Maple Ln
Army St
Candora Ave
Volena Pl
Avenue A
Neel St
Sims Rd
Cherokee Blvd
Bluff Dr
Kenesaw Ave
Agawela Ave
Scenic Dr
Southgate Rd
Lakeland Dr

Figure 4-4. Pedestrian Network Plan – Council District 3

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N Broadway St
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Sanderson Rd
Texas Ave
Beaumont Ave
W Baxter Ave
College St
Keith Ave
Lonas Dr
Papermill Dr
Hollywood Rd
Liberty St
Kingston Pike
Sutherland Ave
Neyland Dr
Cherokee Trl
Jacksboro Pike
Tazewell Pike
Greenway Dr
N Hall of Fame Dr
N 6th Ave
Walnut St
S Gay St
Henley St
Dutch Valley Dr
Mineral Springs Ave
Pembroke Ave
Raleigh Ave
Breda Dr
Durbin Dr
Wahli Dr
Heins Ct
Glenoaks Dr
Elyria Dr
Sky Dr
Kensi Dr
Hero Dr
Tillery Rd
Marguerite Rd
Ridgefield Rd
Kentwood Rd
Primus Rd
Keck Rd
Oak Rd
Lacy Rd
Metler Dr
Black Oak Dr
Victor Dr
Murray Dr
Wade Ln
Juniper Dr
Treemont Rd
McClain Dr
Wilkerson Rd
Capri Dr
Aubrey Ln
Britton Dr
Allen Dr
Lazy Ln
Garden Rd
Bradshaw Rd
Wandering Rd
Rambling Rd
Sandusky Rd
Paris Rd
Flagler Rd
Hocotake Ln
Wilson Rd
Cassell Dr
Gap Rd
Dakota Ave
Ohio Ave
Minnesota Ave
Rudy St
Johnson St
Connecticut Ave
New York Ave
Tennessee Ave
Maryland Ave
Vermont Ave
W Oak Hill Ave
Elm St
Virginia Ave
Schofield St
Giffin St
Evans St
Savoy St
Warner Dr
Sycamore Dr
Myrtlewood Dr
Hazelwood Rd
Sisk Rd
Cherrylog Rd
Bradshaw Rd
Gettysburg Rd
Deerfield Rd
Deer Run Dr
Walpine Ln
Sullivan Rd
Lafayette Rd
Crestpark Rd
Trenpark Ln
Montina Rd
Mondale Rd
Lancer Dr
Oak Ln
Tower Dr
Woodvale Dr
Sanford Rd
Tillman Rd
Ozark Rd
Hayne St
Woodview Dr
Dry Gap Pike
Jim Sterchi Rd
Rifle Range Rd
Paxton Dr
Beech St
Oak St
Snowdon Dr
Pilleaux Dr
Wassman Rd
Paula Rd
Pinecrest Rd
Howard Dr
Houstonia Dr
Bernhurst Dr
Fountain Dr
Essary Dr
Fenwood Dr
Holbrook Dr
Midlake Dr NE
Knox Rd
Fair Dr
Maple Dr
Highland Dr
Woodrow Dr
Norvell Dr
Adair Dr
Rose Dr
Old Broadway
Oakview Rd
Forestal Dr
Addison Dr
Nora Rd
Tecoma Dr
Fairmont Blvd
Walker Blvd
Karnes Ave
Hague
Holland Dr
Fawnie Ln
Glasgow Rd
Jenkins Rd
Edford Ave
Charles Dr
Opal Dr
Henrietta Dr
Elder Rd
Maple Rd
Rowan Rd
Naueda Dr
Heather Ln
E Inskip Dr
Woodvale Dr
Irwin Rd
Fairlane Rd
Loren Cir
Dante Rd
Kern Rd
Greer Rd
Calahan Dr
Wilbanks Rd
Carus Rd
Breda Dr NE
Sharps Ridge Mem Park Dr
Farragut Ave
Watauga Ave
Chickamauga Ave
Huray Ln
E Springdale Ave
E Morelia Ave
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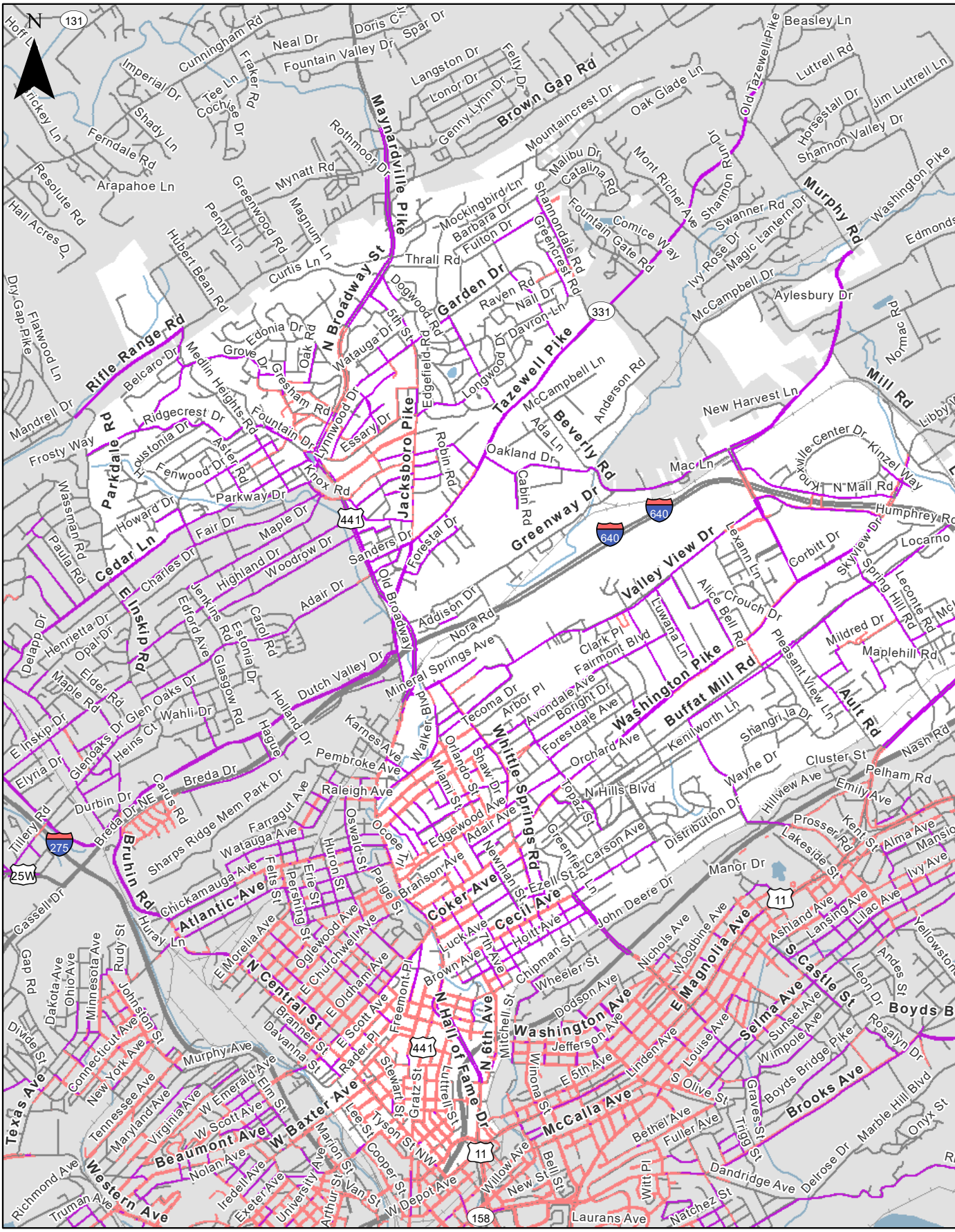
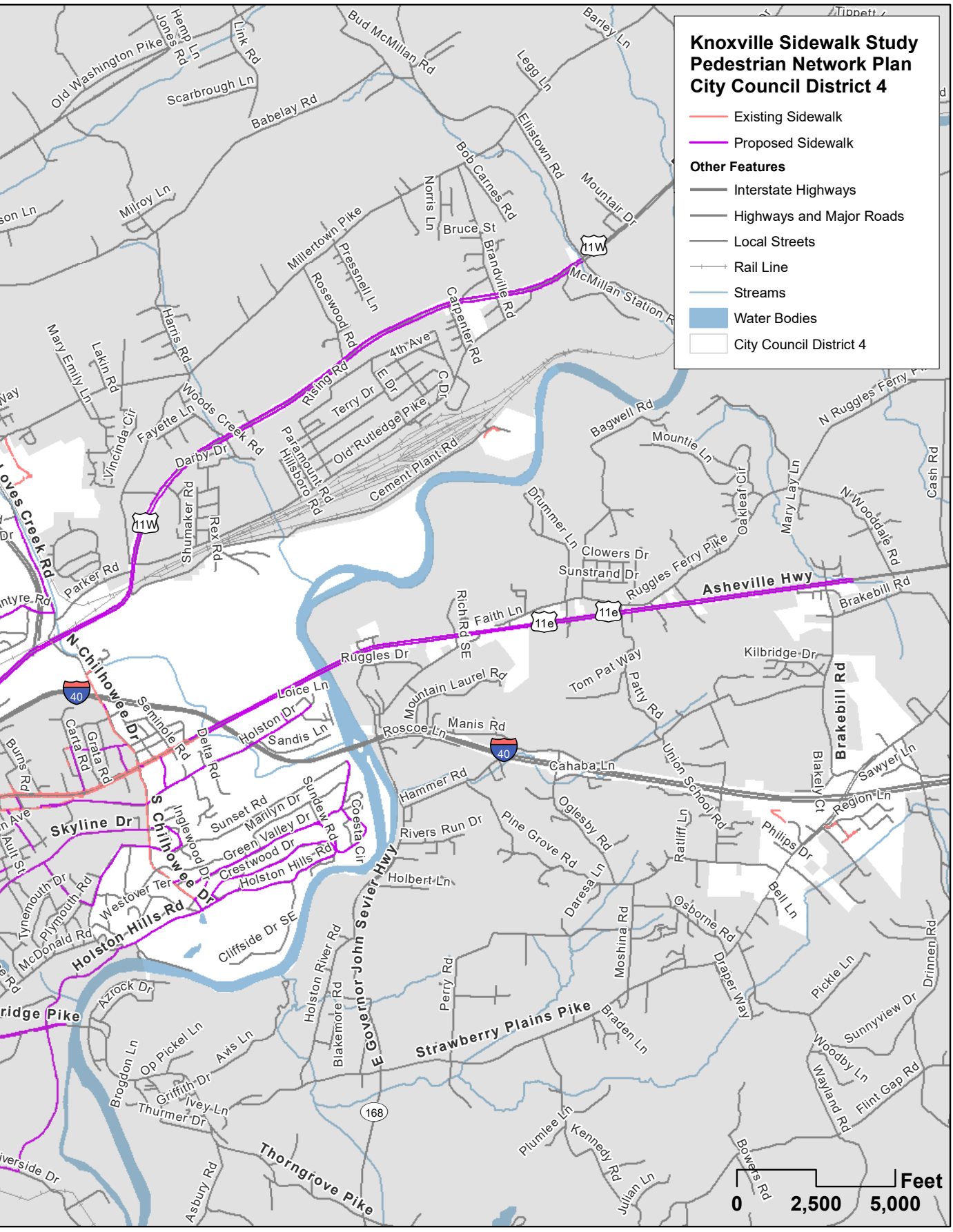
Erie St
Huron St
Oswald St
Ocoee St
Acker St
Barton St
Edgewood Ave
Belvoir Ave
Coker Ave
Fine Ave
Holt Ave
Oglewood Ave
Kenyon St
Harvey St
Folsom Ave
Cornelia St
McMillan St
Branner St
Davanna St
Roy St
Stewart St
Gratz St
Luttrell St
Lamar St
Tyson St NW
Cooper St
Marion St
Van St
Lee St
W Scott Ave
Nolan Ave
W 4th Ave
Lynn Ave
W Depot Ave
W Vine Ave
Wall Ave
Tulip Ave
Carrick St
Arthur St
Clyde St
Citico St
Reynolds St
Myers Ave
Clinbrook Ave
York Ave NW
11th St
13th St
W Clinch Ave
Forest Ave
22nd St
18th St
Lake Ave
Caledonia Ave
Andy Holt Ave
Ut Dr
River Dr
Stadium Dr
Volunteer Dr
Tindell Ave
W Blount Ave
Scottish Pike
Volena Pl
Cherokee Blvd
Cherokee Trl
Iskagna Dr
Talahi Dr
Oakhurst Dr
Towanda Trl
Lilly Way
Newcom Ave
Midland Ave
Eutaw Pl
Hiawatha Dr
Scenic Dr
Homberg Dr
Brookvale Ln
Woodburn Dr
Sunrise Dr
Paper St
E Weisgarber Rd
Timbercrest Trl
Starmont Trl
Kirby Rd
Holman Dr
Ridgeway Ln
Lance Dr
Tomache Dr
Kim Watt Dr
Tonalea Rd
Coleman Rd
Kalmia Rd
Renford Rd
Sapphire Rd
Jade Rd
Tobler Ln
West St
Frank St
Knott Ave
Dunhill Way
Division St
Sutherland Ave
Painter Ave
Jersey Ave
McCroy Ave
Morris Ave
Browning Ave
Denson Ave
Truman Ave
Richmond Ave
Waverly St
Chillicothe St
Croydon Rd
Webb Ln
44th St
Third Creek Rd
Knott Rd
Henson Rd
Midpark Rd
Leeper Ln
Rucker Rd
Woodglen Dr
Trenwood Dr
Abercorn Rd
Mascarene Rd
Dewine Rd
3rd Creek Rd NW
Dr NW
Hillcrest Dr
Ridgefield

Figure 4-5. Pedestrian Network Plan – Council District 4




Knoxville Sidewalk Study
Pedestrian Network Plan
City Council District 4
Existing Sidewalk
Proposed Sidewalk
Other Features
Interstate Highways
Highways and Major Roads
Local Streets
Rail Line
Streams
Water Bodies
City Council District 4
Asheville Hwy
Strawberry Plains Pike
Thorngrove Pike
Holston Hills Rd
Skyline Dr
Brakebill Rd
N Chilhowee Dr
S Chilhowee Dr
E Governor John Sevier Hwy
Ruggles Dr
Manis Rd
Cahaba Ln
Ruggles Ferry Pike
Cement Plant Rd
Old Rutledge Pike
Carpenter Rd
Rising Rd
Woods Creek Rd
Darby Dr
Millertown Pike
Bruce St
McMillan Station Rd
Mountain Dr
Ellistown Rd
Bob Carnes Rd
Bud McMillan Rd
Barley Ln
Legg Ln
Babelay Rd
Scarbrough Ln
Old Washington Pike
Milroy Ln
Harris Rd
Lakin Rd
Mary Emily Ln
Vincinda Cir
Fayette Ln
Shumaker Rd
Rex Rd
Parker Rd
Loves Creek Rd
Bagwell Rd
Mountie Ln
N Ruggles Ferry Pike
Cash Rd
N Woodlawn Rd
Mary Lay Ln
Oakleaf Cir
Drummer Ln
Clowers Dr
Sunstrand Dr
Faith Ln
Richard Rd SE
Brakebill Rd
Kilbridge Dr
Tom Pat Way
Patty Rd
Mountain Laurel Rd
Roscoe Ln
Loice Ln
Holston Dr
Sandis Ln
Seminole Rd
Delta Rd
Carta Rd
Grata Rd
Burns Rd
Sunset Rd
Marilyn Dr
Sundew Rd
Inglewood Dr
Green Valley Dr
Crestwood Dr
Holston Hills Rd
Cossac Cir
Hammer Rd
Rivers Run Dr
Pine Grove Rd
Oglesby Rd
Union School Rd
Blakely Ct
Sawyer Ln
Region Ln
Philips Dr
Ratliff Ln
Daresa Ln
Holbert Ln
Cliffside Dr SE
Westover Ter
Tynemouth Dr
Plymouth Rd
McDonald Rd
Azrock Dr
Op Pickel Ln
Avis Ln
Brogdon Ln
Griffith Dr
Ivey Ln
Thurmer Dr
Holston River Rd
Blakemore Rd
Perry Rd
Moshina Rd
Osborne Rd
Draper Way
Bell Ln
Pickle Ln
Drinnen Rd
Sunnyview Dr
Woodby Ln
Wayland Rd
Flint Gap Rd
Braden Ln
Plumlee Ln
Kennedy Rd
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Asbury Rd
Riverside Dr
Feet
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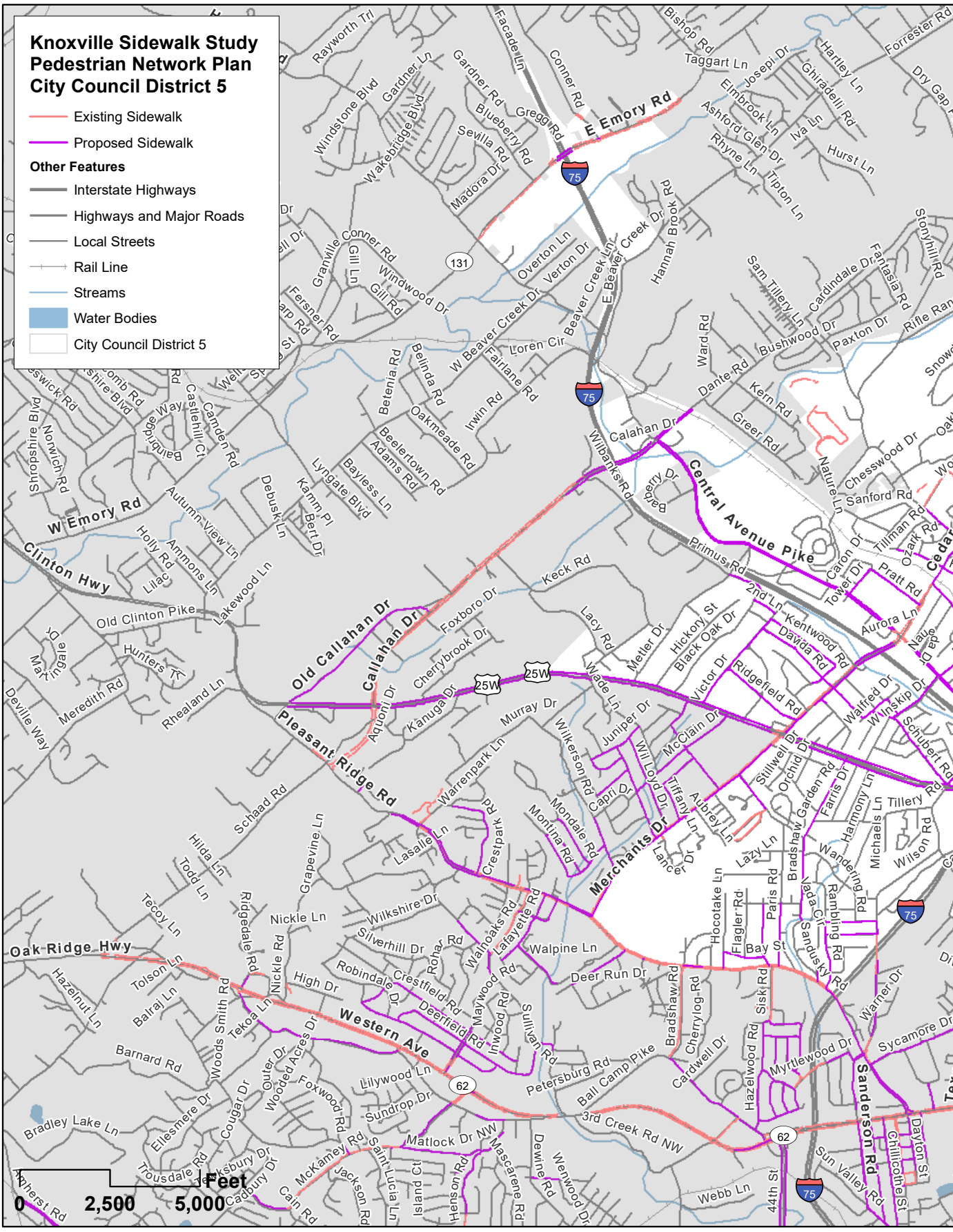
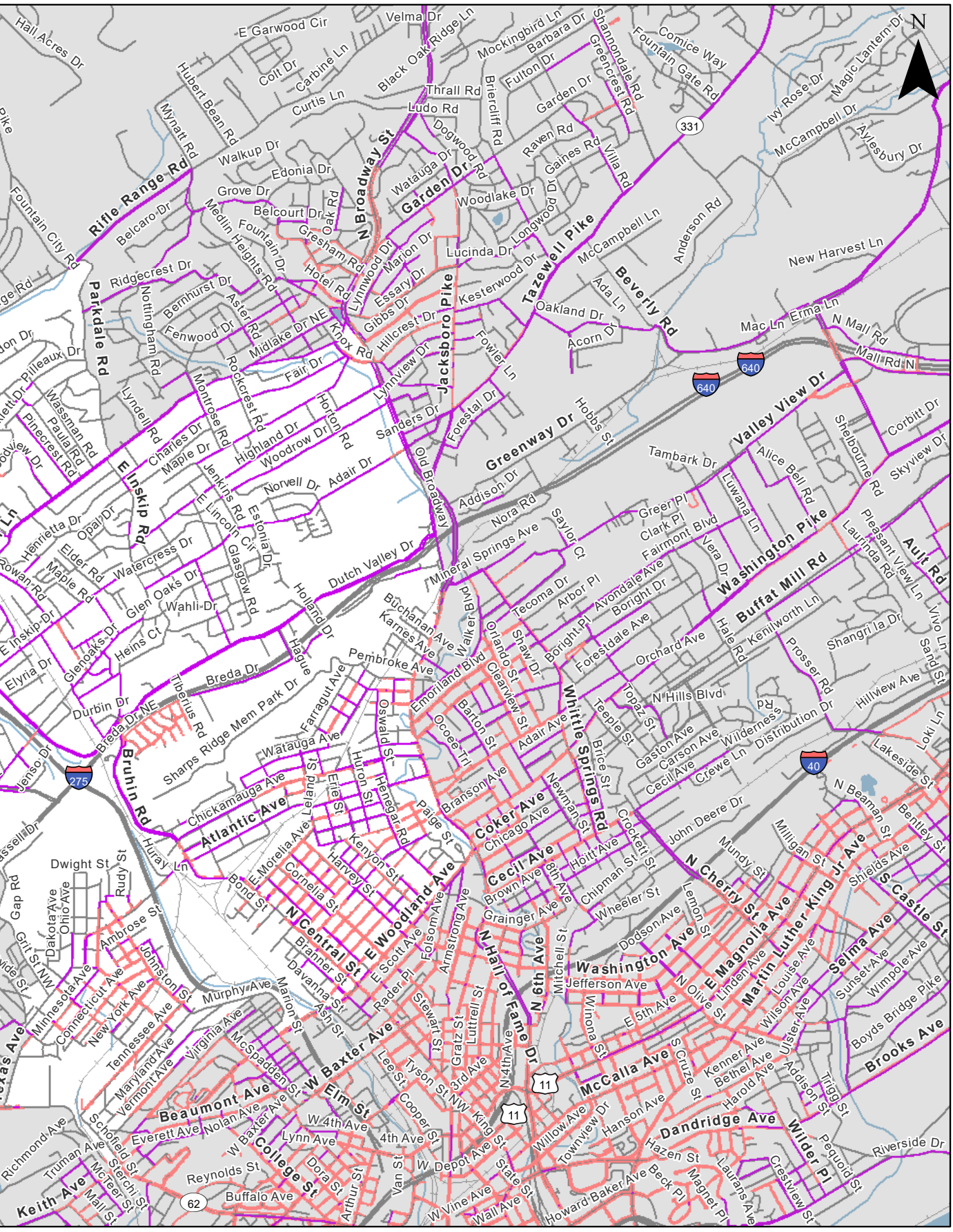
5,000

Figure 4-6. Pedestrian Network Plan – Council District 5

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Jacksboro Pike
Tazewell Pike
Beverly Rd
Greenway Dr
Valley View Dr
Washington Pike
Buffat Mill Rd
Ault Rd
Whittle Springs Rd
Bruhin Rd
Atlantic Ave
E Woodland Ave
N Central St
Coker Ave
Cecil Ave
N Hall of Fame Dr
N 6th Ave
N Cherry St
E Magnolia Ave
Martin Luther King Jr Ave
S Castle St
Selma Ave
Brooks Ave
Dandridge Ave
Wilder Pl
McCalla Ave
W Baxter Ave
Elm St
Beaumont Ave
College St
Keith Ave
Washington Ave
Jefferson Ave
E Inskip Rd
Old Broadway
Dutch Valley Dr
Mineral Springs Ave
Addison Dr
Nora Rd
Tambark Dr
Alice Bell Rd
Shelbourne Rd
Corbitt Dr
Skyview Dr
Pleasant View Ln
Laurinda Rd
Vivo Ln
Sand St
Hillview Ave
Shangri la Dr
Prosser Rd
Kenilworth Ln
Hale Rd
Orchard Ave
Forestdale Ave
Boright Dr
Boright Pl
Avondale Ave
Fairmont Blvd
Vera Dr
Luwana Ln
Clark Pl
Greer Pl
Sayloi Ct
Tecoma Dr
Arbor Pl
Old Broadway
Walker Blvd
Orlando St
Shaw Dr
Clearview St
Emoriland Blvd
Buchanan Ave
Karnes Ave
Pembroke Ave
Hague
Holland Dr
Glen Oaks Dr
Wahli Dr
Glencairn Dr
Heins Ct
Breda Dr
Breda Dr NE
Durbin Dr
Sharps Ridge Mem Park Dr
Tiberius Rd
Watauga Ave
Farragut Ave
Oswald St
Huron St
Erie St
Leland St
Henegar Rd
Paige St
Kenyon St
Harvey St
Cornelia St
Bond St
E Morelia Ave
Chickamauga Ave
Huray Ln
Dwight St
Rudy St
Ohio Ave
Dakota Ave
Gap Rd
Grit St NW
Ambrose St
Johnston St
Minnesota Ave
Connecticut Ave
New York Ave
Tennessee Ave
Maryland Ave
Vermont Ave
Virginia Ave
Murphy Ave
Marion St
Ash St
Davanna St
Branner St
Rader Pl
E Scott Ave
Folsom Ave
Armstrong Ave
Stewart St
Luttrell St
Graiz St
3rd Ave
N 4th Ave
Lee St
Tyson St NW
Cooper St
W 4th Ave
4th Ave
Lynn Ave
Everett Ave
Nolan Ave
W Baxter Ave
Schofield St
Richmond Ave
Truman Ave
Sterchi St
McTeer St
Mall St
Reynolds St
Buffalo Ave
Dora St
Arthur St
Van St
W Depot Ave
W Vine Ave
Wall Ave
State St
King St
Willow Ave
Townview Dr
Hanson Ave
Hazen St
Howard Baker Ave
Beck Pl
Magnet Pl
Laurans Ave
Crestview St
Pequod St
Riverside Dr
Wimpole Ave
Boyds Bridge Pike
Sunset Ave
Wilson Ave
Louise Ave
Ulster Ave
Kenner Ave
Bethel Ave
Harold Ave
Addison St
Trigg St
Linden Ave
Olive St
E 5th Ave
Winona St
Mitchell St
Dodson Ave
Lemon St
Mundy St
Milligan St
Shields Ave
Bentley St
N Beaman St
Lakeside St
Loki Ln
John Deere Dr
Distribution Dr
Wildernes Rd
Crewe Ln
Cecil Ave
Carson Ave
Gaston Ave
Topaz St
Teeple St
Brice St
Newman St
Crockett St
Hoitt Ave
Chipman St
Wheeler St
Brown Ave
8th Ave
Grainger Ave
Chicago Ave
Coker Ave
Branson Ave
Barton St
Ocoee Trl
Adair Ave
N Hills Blvd
Hillcrest Dr
Gibbs Dr
Lynnview Dr
Sanders Dr
Forestal Dr
Fowler Ln
Hobbs St
Oakland Dr
Acorn Dr
Ada Ln
McCampbell Ln
Anderson Rd
New Harvest Ln
Mac Ln
Erma Ln
N Mall Rd
Mall Rd N
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Woodlake Dr
Longwood Dr
Lucinda Dr
Marion Dr
Lynnwood Dr
Hotel Rd
Knox Rd
Midlake Dr NE
Fenwood Dr
Bernhurst Dr
Aster Rd
Nottingham Rd
Ridgecrest Dr
Fountain Dr
Medlin Heights Rd
Gresham Rd
Oak Rd
Belcourt Dr
Grove Dr
Edonia Dr
Walkup Dr
Watauga Dr
Dogwood Rd
Ludo Rd
Thrall Rd
Briercliff Rd
Raven Rd
Gaines Rd
Villa Rd
Garden Dr
Fulton Dr
Greencrest Rd
Shannondale Rd
Barbara Dr
Mockingbird Ln
Black Oak Ridge Ln
Velma Dr
E Garwood Cir
Hall Acres Dr
Colt Dr
Carbine Ln
Curtis Ln
Hubert Bean Rd
Mynatt Rd
Belcaro Dr
Fountain City Rd
Comice Way
Fountain Gate Rd
Ivy Rose Dr
Magic Lantern Dr
McCampbell Dr
Aylesbury Dr
Rockcrest Rd
Montrose Rd
Fair Dr
Lyndell Rd
Pilleaux Dr
Wassman Rd
Paula Rd
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Charles Dr
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Woodrow Dr
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Knox Rd
Jacksboro Pike
Garden Dr
Tazewell Pike
Beverly Rd
Greenway Dr
Valley View Dr
Washington Pike
Buffat Mill Rd
Ault Rd
Whittle Springs Rd
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Atlantic Ave
E Woodland Ave
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N 6th Ave
N Cherry St
E Magnolia Ave
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S Castle St
Selma Ave
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Elm St
Beaumont Ave
College St
Keith Ave
Washington Ave
Jefferson Ave
E Inskip Rd
Old Broadway
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Addison Dr
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Erie St
Leland St
Henegar Rd
Paige St
Kenyon St
Harvey St
Cornelia St
Bond St
E Morelia Ave
Chickamauga Ave
Huray Ln
Dwight St
Rudy St
Ohio Ave
Dakota Ave
Gap Rd
Grit St NW
Ambrose St
Johnston St
Minnesota Ave
Connecticut Ave
New York Ave
Tennessee Ave
Maryland Ave
Vermont Ave
Virginia Ave
Murphy Ave
Marion St
Ash St
Davanna St
Branner St
Rader Pl
E Scott Ave
Folsom Ave
Armstrong Ave
Stewart St
Luttrell St
Graiz St
3rd Ave
N 4th Ave
Lee St
Tyson St NW
Cooper St
W 4th Ave
4th Ave
Lynn Ave
Everett Ave
Nolan Ave
W Baxter Ave
Schofield St
Richmond Ave
Truman Ave
Sterchi St
McTeer St
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Buffalo Ave
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Arthur St
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W Depot Ave
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Hanson Ave
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Howard Baker Ave
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Riverside Dr
Wimpole Ave
Boyds Bridge Pike
Sunset Ave
Wilson Ave
Louise Ave
Ulster Ave
Kenner Ave
Bethel Ave
Harold Ave
Addison St
Trigg St
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Distribution Dr
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Crewe Ln
Cecil Ave
Carson Ave
Gaston Ave
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Newman St
Crockett St
Hoitt Ave
Chipman St
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Brown Ave
8th Ave
Grainger Ave
Chicago Ave
Coker Ave
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Ocoee Trl
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N Hills Blvd
Hillcrest Dr
Gibbs Dr
Lynnview Dr
Sanders Dr
Forestal Dr
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Oakland Dr
Acorn Dr
Ada Ln
McCampbell Ln
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New Harvest Ln
Mac Ln
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Woodlake Dr
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Lucinda Dr
Marion Dr
Lynnwood Dr
Hotel Rd
Knox Rd
Midlake Dr NE
Fenwood Dr
Bernhurst Dr
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Medlin Heights Rd
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Belcourt Dr
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Edonia Dr
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Dogwood Rd
Ludo Rd
Thrall Rd
Briercliff Rd
Raven Rd
Gaines Rd
Villa Rd
Garden Dr
Fulton Dr
Greencrest Rd
Shannondale Rd
Barbara Dr
Mockingbird Ln
Black Oak Ridge Ln
Velma Dr
E Garwood Cir
Hall Acres Dr
Colt Dr
Carbine Ln
Curtis Ln
Hubert Bean Rd
Mynatt Rd
Belcaro Dr
Fountain City Rd
Comice Way
Fountain Gate Rd
Ivy Rose Dr
Magic Lantern Dr
McCampbell Dr
Aylesbury Dr
Rockcrest Rd
Montrose Rd
Fair Dr
Lyndell Rd
Pilleaux Dr
Wassman Rd
Paula Rd
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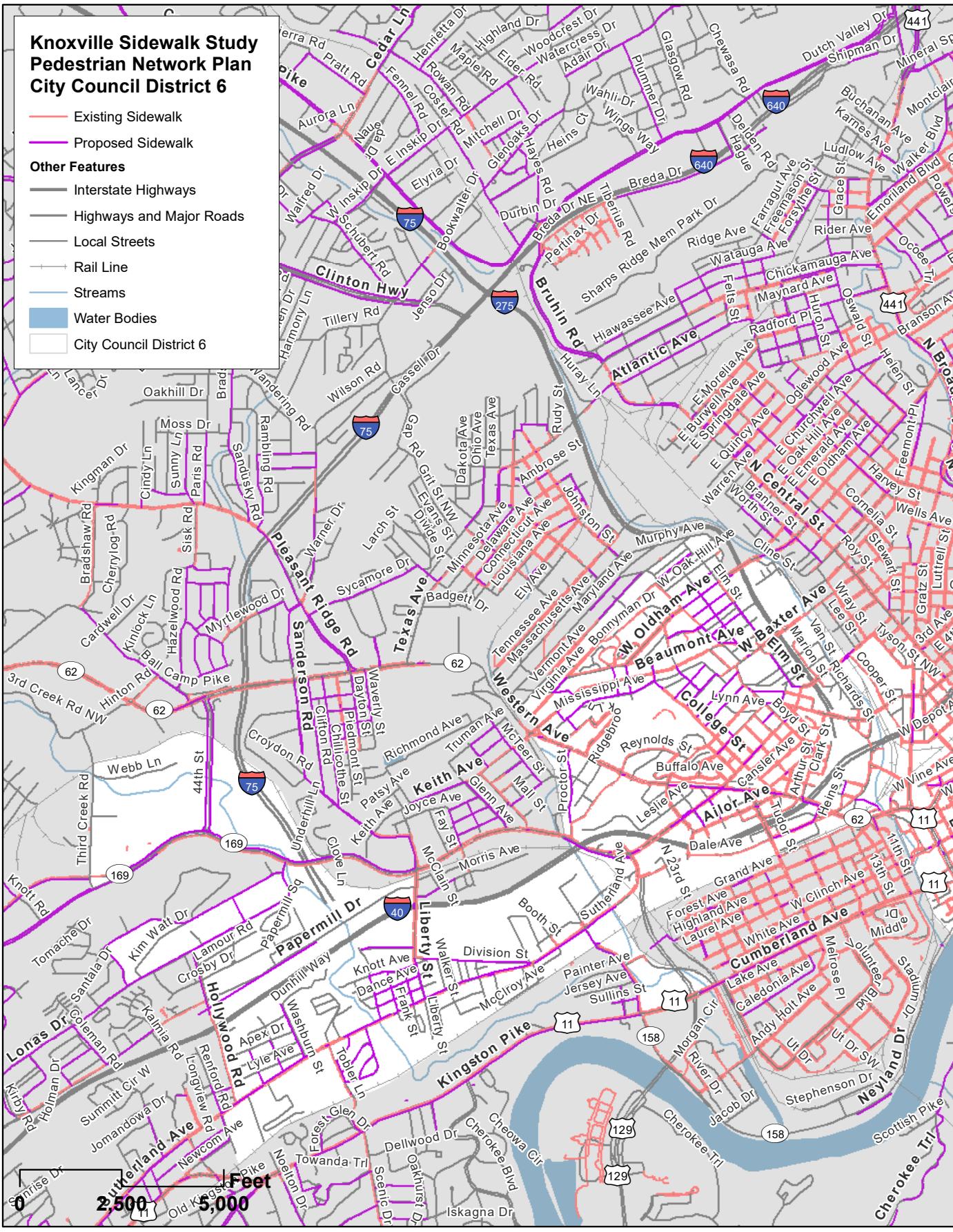
Charles Dr
Maple Dr
Highland Dr
Woodrow Dr
Horton Rd
Norvell Dr
Adair Dr
Jenkins Rd
Estonia Dr
Lincoln Cir
Glasgow Rd
Watercress Dr
Elder Rd
Maple Rd
Rowan Rd
Opal Dr
Henrietta Dr
275
331
640
640
11
11
40
62

Figure 4-7. Pedestrian Network Plan – Council District 6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Pedestrian Network Plan
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Proposed Sidewalk
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Interstate Highways
Highways and Major Roads
Local Streets
Rail Line
Streams
Water Bodies
City Council District 6
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2,500
5,000
Feet
Clinton Hwy
Bruhin Rd
Atlantic Ave
N Central St
Pleasant Ridge Rd
Sanderson Rd
Texas Ave
Western Ave
W Oldham Ave
W Baxter Ave
Beaumont Ave
College St
Elm St
Keith Ave
Papermill Dr
Hollywood Rd
Liberty St
Kingston Pike
Cumberland Ave
Neyland Dr
Lonas Dr
Sutherland Ave
Cedar Ln
Bookwalter Dr
Cassell Dr
Wilson Rd
Oakhill Dr
Moss Dr
Rambling Rd
Sandusky Rd
Paris Rd
Sisk Rd
Cherylog Rd
Bradshaw Rd
Kingman Dr
Cindy Ln
Sunny Ln
Warner Dr
Larch St
Sycamore Dr
Badgett Dr
Myrtlewood Dr
Hazelwood Rd
Ball Camp Pike
Hinton Rd
3rd Creek Rd NW
Cardwell Dr
Kinlock Ln
Third Creek Rd
Webb Ln
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Croydon Rd
Clifton Rd
Chillicothe St
Piedmont St
Dayton St
Waverly St
Richmond Ave
Truman Ave
McTeer St
Mall St
Proctor St
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Reynolds St
Buffalo Ave
Lynn Ave
Boyd St
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Arthur St
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Heins St
Leslie Ave
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Grand Ave
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Highland Ave
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McClain St
Fay St
Glenn Ave
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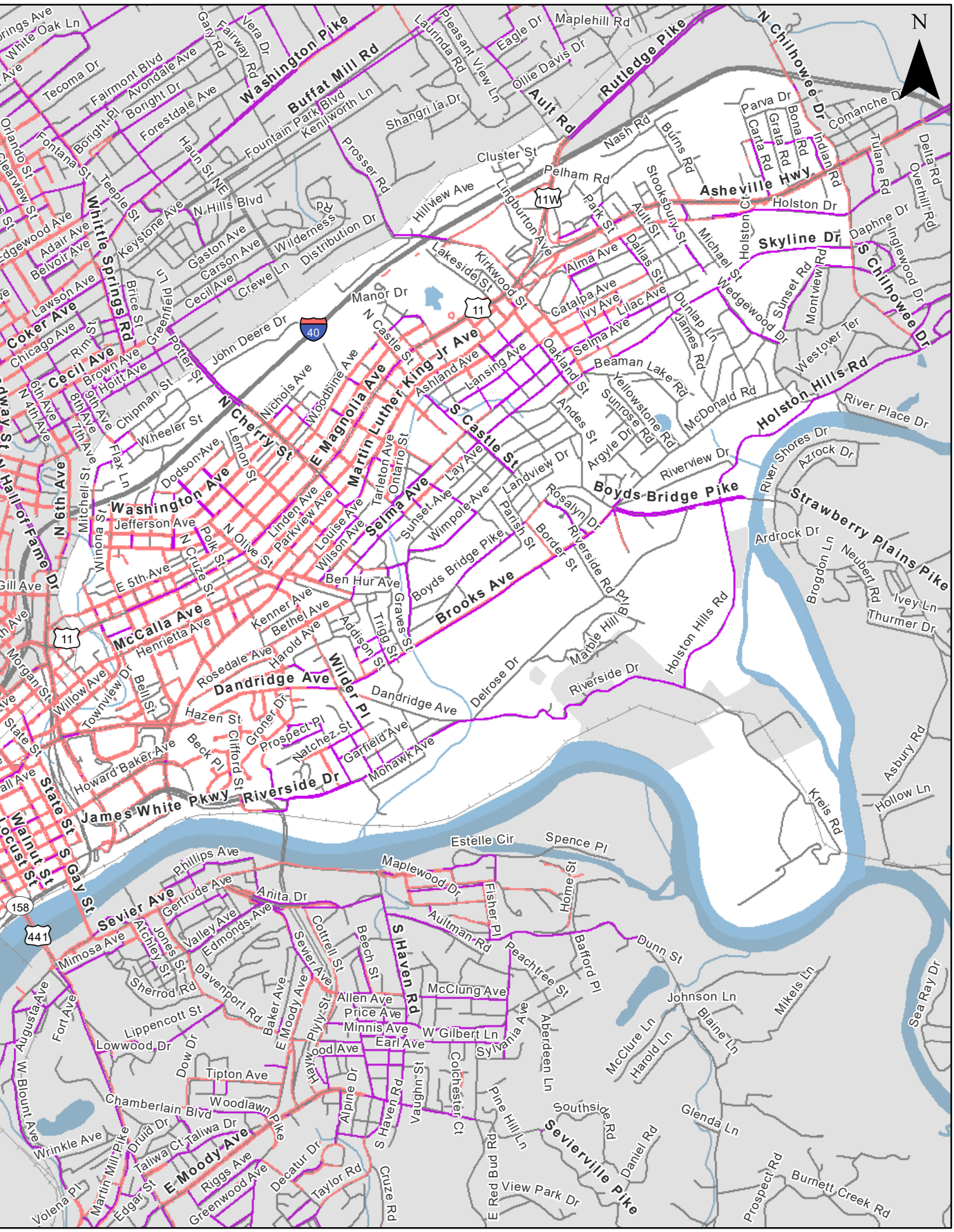
Patsy Ave
Keith Ave
Underhill Ln
Clove Ln
Papermill Ct
Knott Rd
Tomache Dr
Kim Watt Dr
Lamour Rd
Crosby Dr
Santala Dr
Coleman Rd
Kalmia Rd
Renford Rd
Longview Rd
Holman Dr
Kirby Rd
Summitt Cir W
Jomandowa Dr
Newcom Ave
Sunrise Dr
Old Kingston Pike
Noelton Dr
Scenic Dr
Oakhurst Dr
Towanda Trl
Forest Glen Dr
Dellwood Dr
Cherokee Blvd
Cheowa Cir
Iskagna Dr
Cherokee Trl
Scottish Pike
Stephenson Dr
Jacob Dr
River Dr
Morgan Cir
Ut Dr
Ut Dr SW
Andy Holt Ave
Caledonia Ave
Lake Ave
Melrose Pl
Volunteer Blvd
Middle Dr
Stadium Dr
Division St
Knott Ave
Dance Ave
Frank St
Liberty St
Walker St
McClroy Ave
Painter Ave
Jersey Ave
Sullins St
Booth St
Apex Dr
Lyle Ave
Washburn St
Tobler Ln
Dunhill Way
Third Creek Rd
Hollywood Rd
Lamour Rd
Papermill Dr
Kingston Pike
Cumberland Ave
Neyland Dr
Sutherland Ave
Western Ave
Keith Ave
Clinton Hwy
Bruhin Rd
Atlantic Ave
N Central St
Pleasant Ridge Rd
Sanderson Rd
Texas Ave
W Oldham Ave
W Baxter Ave
Beaumont Ave
College St
Elm St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Washington Pike
Buffat Mill Rd
Rutledge Pike
N Chilhowee Dr
Ault Rd
Asheville Hwy
Skyline Dr
S Chilhowee Dr
Holston Hills Rd
Boyds Bridge Pike
Strawberry Plains Pike
Whittle Springs Rd
Coker Ave
Cecil Ave
N Cherry St
E Magnolia Ave
Martin Luther King Jr Ave
S Castle St
Selma Ave
Washington Ave
McCalla Ave
Dandridge Ave
Brooks Ave
Wilder Pl
James White Pkwy
Riverside Dr
State St
S Gay St
Walnut St
Locust St
N 6th Ave
Hall of Fame Dr
Sevier Ave
E Moody Ave
S Haven Rd
Sevierville Pike
Kingston Pike
Lovell Rd
Cedar Bluff
Pelham Rd
Cluster St
Nash Rd
Burns Rd
Parva Dr
Grata Rd
Bona Rd
Indian Rd
Comanche Dr
Tulane Rd
Overhill Rd
Daphne Dr
Inglewood Dr
Sunset Rd
Montview Rd
Westover Ter
Wedgewood Dr
Michael St
Holston Dr
Park St
Ault St
Stooksbury St
Lingburton Ave
Hillview Ave
Prosser Rd
Shangri la Dr
Laurinda Rd
Pleasant View Ln
Eagle Dr
Maplehill Rd
Ollie Davis Dr
Fountain Park Blvd
Kenilworth Ln
Haun St NE
Forestdale Ave
Boright Dr
Boright Pl
Avondale Ave
Fairmont Blvd
Tecoma Dr
Fontana St
Teeple St
N Hills Blvd
Keystone Ave
Gaston Ave
Carson Ave
Cecil Ave
Crewe Ln
Wilderness Pl
Distribution Dr
Greenfield Ln
Potter St
Brice St
Adair Ave
Belvoir Ave
Lawson Ave
Chicago Ave
Rim St
Brown Ave
Hoitt Ave
Chipman St
Wheeler St
Flax Ln
Mitchell St
Winona St
Dodson Ave
Lemon St
Nichols Ave
Woodbine Ave
Manor Dr
John Deere Dr
Lakeside St
Kirkwood St
Alma Ave
Catalpa Ave
Ivy Ave
Lilac Ave
Dunlap Ln
James Rd
Selma Ave
Oakland St
Ashland Ave
Lansing Ave
Beaman Lake Rd
Yellowstone Rd
Sunrose Rd
McDonald Rd
Andes St
Argyle Dr
Landview Dr
Riverview Dr
River Place Dr
River Shores Dr
Azrock Dr
Ardrock Dr
Brogdon Ln
Neubert Rd
Ivey Ln
Thurmer Dr
Holston Hills Rd
Marble Hill Dr
Riverside Rd
Rosalyn Dr
Border St
Parish St
Wimpole Ave
Sunset Ave
Lay Ave
Ontario St
Tarleton Ave
Louise Ave
Wilson Ave
Parkview Ave
Linden Ave
N Olive St
N Cruze St
Polk St
Jefferson Ave
E 5th Ave
Ben Hur Ave
Graves St
Trigg St
Addison St
Kenner Ave
Bethel Ave
Harold Ave
Henrietta Ave
Rosedale Ave
Townview Dr
Willow Ave
Bell St
Morgan St
Gill Ave
Delrose Dr
Dandridge Ave
Groner Dr
Hazen St
Prospect Pl
Natchez St
Garfield Ave
Mohawk Ave
Clifford St
Beck Pl
Howard Baker Ave
Asbury Rd
Hollow Ln
Kreis Rd
Estelle Cir
Spence Pl
Maplewood Dr
Phillips Ave
Gertrude Ave
Anita Dr
Fisher Pl
Home St
Aultman Rd
Peachtree St
Bafford Pl
Dunn St
Johnson Ln
Mikels Ln
Sea Ray Dr
Blaine Ln
Harold Ln
McClure Ln
Aberdeen Ln
Sylvania Ave
Earl Ave
W Gilbert Ln
Minnis Ave
Price Ave
Allen Ave
McClung Ave
Beech St
Cottrell St
Sevier Ave
Baker Ave
E Moody Ave
Pryly St
Haywood Ave
Colchester Ct
Vaughn St
Alpine Dr
Pine Hill Ln
Southside Rd
Glenda Ln
Daniel Rd
Sherrod Rd
Davenport Rd
Jones St
Atchley St
Valley Ave
Edmonds Ave
Mimosa Ave
Augusta Ave
Fort Ave
W Blount Ave
Lippencott St
Lowwood Dr
Dow Dr
Tipton Ave
Chamberlain Blvd
Woodlawn Pike
Druid Dr
Taliwa Ct
Taliwa Dr
Wrinkle Ave
Martin Mill Pike
Volena Pl
Edgar St
Riggs Ave
Greenwood Ave
Decatur Dr
Taylor Rd
Cruze Rd
E Red Bud Rd
View Park Dr
Burnett Creek Rd
Prospect Rd
Orlando St
Clearview St
Edgewood Ave
Gary Rd
Fairway Rd
Vera Dr
White Oak Ln
Rings Ave
Ave
40
11
11W
158
441

4.3 Constructability Reviews

Consistent with the study's recommendation for a proactive "design ahead" approach, a thorough constructability review was conducted for 10 key project recommendations (see Table 4-2). Six of the projects are top new sidewalk construction projects (based on project prioritization score) in each of the city's six council districts. The remaining four projects were identified in response to demonstrated pedestrian safety needs, which were addressed through either new sidewalk recommendations or the identification of safety countermeasures. The review emphasized preliminary feasibility and constructability, providing a high level of confidence that the projects are appropriate for inclusion into the city's Five-Year Implementation Plan (once developed) and may be implemented, assuming appropriate funding has been allocated.

Project constructability included, but was not necessarily limited to:

1. Preliminary right-of-way and easement requirements;
2. Utility conflicts/coordination and relocation requirements;
3. Railroad crossings;
4. Construction-time traffic and property owner impacts;
5. Driveway and private walk tie-ins;
6. Retaining wall requirements;
7. Environmental permitting requirements;
8. Ancillary improvements needed (pedestrian signals, bridge widening); and
9. Overall Cost feasibility.

The constructability ensures the City of Knoxville has an inventory of pre-screened projects ready for final design and construction once capital funding is allocated for project implementation.

The full constructability review is located in Appendix B.

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Table 4-2. Constructability Review – Pilot Projects

Street	From	To	Type of Project	Project Length (Linear Feet)	Council District
Chapman Highway	West Moody Avenue	East Young High Pike	New Sidewalk	1,350	1
Middlebrook Pike	Vanosdale Road	West Hills Road	New Sidewalk	938	2
Glenn Avenue	Keith Avenue	Middlebrook Pike	New Sidewalk	1,506	3
North Broadway	South of Gresham Road	South of Essary Drive	New Sidewalk	1,068	4
East Columbia Avenue / Ledgerwood Avenue	Harvey Street	Paige Street	New Sidewalk	2,511	5
Beaumont Avenue	McSpadden Street	West Baxter Avenue	New Sidewalk	655	6
West Martin Mill Pike	Chapman Highway	South of Druid Drive	Safety Improvement	290	1
East Summit Hill Drive	South Hall of Fame Drive	Patton Street	Safety Improvement	411	6
Nadine Street	Coker Avenue	Cecil Avenue	Safety Improvement	1,300	4
Henegar Street	Atlantic Avenue	Ledgerwood Avenue	Safety Improvement	2,420	5

CITY OF KNOXVILLE

Appendix A.

Draft Project Lists

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CITY OF KNOXVILLE

Council District 1 Projects

City Streets - New Sidewalk

Street	From	To	Length (ft)	Safety Review Needed	Demand Score	HealthEquity Score	Road Class Score	Roadway Class	Estimated Cost	Score
Woodlawn Pike	Ellis St	E Moody Ave	1,966	No	127.21	17.66	25	Minor Collector	$1,637,990	169.87
Anita Dr	Sevier Ave	James White Pkwy Ramp	780	No	93.49	16.18	50	Minor Arterial	$696,136	159.67
Lippencott Street	University Park Apartments	Davenport Rd	2,610	No	118.48	16.09	25	Minor Collector	$2,174,354	159.57
Council Pl	S Gay St	Sevier Ave	1,839	No	141.09	15.60	0	Local	$1,370,160	156.69
W Blount Ave	River Walk Greenway	Scottish Pike	1,053	No	111.04	20.18	25	Major Collector	$884,309	156.22
Gertrude Avenue	Davenport Rd	Lincoln St	1,775	No	138.46	17.19	0	Local	$1,322,603	155.65
East Young High Pike	Chapman Hwy	Woodlawn Pike	1,731	Yes	112.78	17.66	25	Major Collector	$1,453,629	155.44
W Martin Mill Pike	180' S of Ogle Ave	City Limits (S of Neubert Springs Rd)	7,542	No	88.85	15.44	50	Minor Arterial	$6,735,366	154.30
Jones St	Sevier Ave	Boggs Ave	1,017	No	137.52	15.60	0	Local	$757,532	153.12
Taylor Road	Galbraith School Rd	Woodlawn Pike	2,109	No	110.28	17.66	25	Minor Collector	$1,756,918	152.94
W Martin Mill Pike	McNabb Ave	Magazine Rd	6,031	No	88.28	13.77	50	Minor Arterial	$5,386,093	152.05
W Martin Mill Pike/Neubert Springs Rd	Magazine Rd	Lake Glen Ln	2,161	Yes	90.40	10.67	50	Minor Arterial	$1,929,560	151.07
Woodlawn Pike	Galbraith School Rd	Chapman Hwy	3,378	No	107.79	17.66	25	Minor Collector	$2,814,016	150.45
Sevierville Pike	Sevier Ave	South Haven Rd	723	No	103.22	19.10	25	Major Collector	$607,723	147.32
Dixie St	Waterfront Dr	Island Home Ave	799	No	130.62	15.70	0	Local	$594,897	146.32
Sevier Avenue	Cottrell St	Sevierville Pike	2,871	Yes	100.37	18.88	25	Major Collector	$2,411,881	144.25
Maryville Pike	Chapman Hwy	North of Flenniken Ave	1,061	No	97.70	20.18	25	Major Collector	$891,095	142.88
Anita Dr	Ford Pl	Hillwood Dr	2,140	No	76.64	15.60	50	Minor Arterial	$1,911,130	142.24
Dawson St	Sevier Ave	Mimosa Ave	332	No	126.11	15.60	0	Local	$247,678	141.71
Baker Avenue	1125 Baker Ave	Davenport Rd	363	No	124.24	17.20	0	Local	$270,155	141.44
Phillips Avenue	Barber St	McCormick St	2,445	No	124.80	15.60	0	Local	$1,821,510	140.40
McClung Ave	Sevier Ave	Beech St	569	No	98.22	16.74	25	Minor Collector	$474,186	139.96
Atchley St	190' South of Mimosa Ave	Yarnell Ave	682	No	123.17	15.60	0	Local	$507,904	138.77
S 23rd St	Forest Ave	Clinch Ave	1,573	No	124.23	13.53	0	Local	$1,171,760	137.76
Mimosa Ave	Chapman Hwy	Dawson St	1,595	No	121.23	15.66	0	Local	$1,188,318	136.89
Southwood Dr	Woodlawn Pike	Chamberlain Blvd	294	No	117.90	17.66	0	Local	$219,290	135.56
18th St	Grand Ave	Forest Ave	241	No	120.83	13.53	0	Local	$179,475	134.36
Sevier Ave	McCormick St	E Moody Ave	2,387	No	91.70	16.36	25	Major Collector	$2,005,376	133.06
Compton St	Haywood Ave	Sevierville Pike	789	No	112.10	19.27	0	Local	$587,885	131.37
Haywood Ave	Cottrell St	Compton St	711	No	112.10	19.27	0	Local	$529,562	131.37
Donaldson St	W Blount Ave	Hawthorne Ave	402	No	111.11	20.18	0	Local	$299,664	131.29
Sevierville Pike	Lancaster Dr	Red Bud Rd	2,792	Yes	87.67	18.46	25	Major Collector	$2,345,262	131.13
South Haven Rd	Hillwood Dr	Sevierville Pike	5,142	Yes	86.58	17.87	25	Minor Collector	$4,283,259	129.45
Hedgeapple Ln	Riggs Ave	E Young High Pike	767	No	111.16	17.66	0	Local	$571,453	128.82
W Blount Ave	Scottish Pike	Volena Pl	4,141	No	82.98	20.18	25	Major Collector	$3,478,095	128.16
W Blount Ave	Maryville Pike	W Martin Mill Pike	456	No	81.82	20.18	25	Minor Collector	$379,480	127.00
Howell Avenue	E Moddy Ave	Dead End	1,559	No	109.15	17.66	0	Local	$1,161,752	126.81
Greenwood Ave	Hedgeapple Ln	Woodlawn Pike	1,169	No	109.14	17.66	0	Local	$871,192	126.80
Hedgeapple Ln	E Moody Ave	Riggs Ave	396	No	109.02	17.66	0	Local	$295,011	126.68
Hawthorne Ave	W Blount Ave	Augusta Ave	795	No	106.21	20.18	0	Local	$591,946	126.39
Augusta Ave	Saint Paul St	W Blount Ave	1,944	Yes	106.13	19.91	0	Local	$1,448,561	126.04
Valley Avenue	Davenport Rd	McCormick St	2,126	Yes	109.08	16.93	0	Local	$1,584,139	126.01
Alandale Dr	Galbraith School Rd	Scarlett Ln	778	No	107.24	17.66	0	Local	$579,981	124.90
Wynn Ave	Cottrell St	Sevier Ave	1,012	No	105.55	19.27	0	Local	$753,760	124.82
Grand Avenue	20th St	19th St	790	No	111.27	13.53	0	Local	$588,656	124.80
Decatur Drive	Sevierville Pike	Galbraith School Rd	2,147	No	107.02	17.66	0	Local	$1,599,728	124.68
Florence Rd	Taylor Rd	Barclay Dr	557	No	106.94	17.66	0	Local	$415,244	124.60
Sims Rd	Cook Dr	Daylily Dr	874	Yes	79.17	20.41	25	Minor Collector	$728,313	124.58
Sims Rd	Avenue A	Cook Dr	263	Yes	79.17	20.41	25	Minor Collector	$218,942	124.58

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Street	From	To	Length (ft)	Safety Review Needed	Demand Score	HealthEquity Score	Road Class Score	Roadway Class	Estimated Cost	Score
Haywood Ave	Corrrell St	Sevier Ave	1,198	No	103.09	19.27	0	Local	$892,145	122.36
Taliwa Dr	Southwood Dr	Mooers St	1,523	No	103.25	17.66	0	Local	$1,134,482	120.91
Childress St/Drinnen Ave	W Martin Mill Pike	Chapman Hwy	781	No	100.00	20.18	0	Local	$582,173	120.18
Southwood Dr	Chamberlain Blvd	Taliwa Dr	1,555	No	102.34	17.66	0	Local	$1,158,517	120.00
Stone Road	Chapman Hwy	Magazine Rd	3,639	No	84.31	10.45	25	Minor Collector	$3,031,396	119.76
Riggs Avenue	Hedgeapple Ln	Woodlawn Pike	1,887	No	101.88	17.66	0	Local	$1,406,106	119.54
W Moody Avenue	W Martin Mill Pike	Chapman Why	1,834	Yes	99.23	20.18	0	Local	$1,366,332	119.41
Minnis Ave	Sevier Ave	South Haven Rd	1,078	No	100.00	19.27	0	Local	$803,386	119.27
Oak Grove St	Minnis Ave	Sevierville Pike	1,547	No	100.00	19.27	0	Local	$1,152,785	119.27
Overbrook Drive	Gayview Dr	Chapman Hwy	1,360	Yes	101.76	15.82	0	Local	$1,013,479	117.57
Caledonia Avenue	Volunteer Blvd	Lake Ave	2,439	No	105.24	12.27	0	Local	$1,817,158	117.51
Busbee Rd	Taylor Rd	Barclay Dr	594	No	98.61	17.66	0	Local	$442,338	116.27
Sevier Heights Rd	Sevierville Pike	Lancaster Dr	1,057	No	96.95	17.77	0	Local	$787,231	114.72
Price Ave	Cottrell St	Gilbert Ln	4,519	No	94.65	19.27	0	Local	$3,366,435	113.92
Tomlinson St	W Moddy Ave	W Young High Pike	1,221	No	93.23	20.18	0	Local	$909,769	113.41
Felix St	McClung Ave	Minnis Ave	1,046	No	93.97	19.16	0	Local	$779,283	113.13
Terrace Ave	Volunteer Blvd	175' East of Volunteer Blvd	173	No	99.36	11.93	0	Local	$129,197	111.29
Scottish Pike	Clancy Ave at W Blount Ave	Cherokee Trl at High Ground Park	4,962	No	68.52	17.36	25	Minor Collector	$4,132,949	110.89
South Haven Rd	Sevierville Pike	Wallace Dr	531	No	92.86	17.66	0	Local	$395,602	110.52
West Gilbert Ln	South Haven Rd	Gilbert Ln	2,450	No	90.03	19.27	0	Local	$1,825,591	109.30
McClung Ave	South Haven Rd	Gilbert Ln	2,455	No	89.53	19.27	0	Local	$1,829,205	108.80
Trotter Ave	Sevier Ave	South Haven Rd	893	No	89.07	19.27	0	Local	$665,021	108.34
Cleage St	Avenue A	Valley Dr	1,796	No	86.69	20.41	0	Local	$1,337,836	107.10
Earl Ave	Sevier Ave	South Haven Rd	987	No	87.50	19.27	0	Local	$735,192	106.77
E Red Bud Rd	May Apple Dr	Chapman Hwy	2,221	No	65.38	15.80	25	Minor Collector	$1,850,031	106.19
Keeble Ave	W Martin Mill Pike	Tomlinson St	1,068	No	84.32	20.18	0	Local	$796,028	104.50
Avenue B	Sims Rd	Julian St	1,427	No	82.97	20.41	0	Local	$1,063,476	103.38
Anita Dr	Cottrell St	Island Home Ave	1,987	No	62.51	15.68	25	Minor Collector	$1,654,769	103.20
Immanuel St	4315 Immanuel St	Avenue A	488	No	82.60	20.41	0	Local	$363,498	103.01
Beech Street	Lenland Ave	McClung Ave	1,141	No	85.71	16.57	0	Local	$850,343	102.27
Avenue A	W Martin Mill Pike	Sims Rd	3,368	Yes	80.26	20.41	0	Local	$2,509,477	100.67
Drive D	Sims Rd	Julian St	1,309	No	79.83	20.41	0	Local	$975,175	100.24
Edington Rd	Spruce Dr	Maryville Pike	567	No	54.77	20.18	25	Minor Collector	$472,385	99.95
Immanuel St	4307 Immanuel St	Avenue A	685	No	79.53	20.41	0	Local	$510,331	99.94
Stone Rd/Moore Rd	Magazine Rd	W Ford Valley Rd	3,916	No	64.59	10.09	25	Minor Collector	$3,262,377	99.68
Hialeah Drive	W Martin Mill Pike	Gayview Dr	1,942	No	86.41	13.17	0	Local	$1,446,858	99.58
Candora Ave	Maryville Pike	Ogle Ave	311	No	79.17	20.26	0	Local	$232,041	99.43
Magazine Rd	Moore Rd	Colonial Dr	1,706	No	63.06	10.09	25	Minor Collector	$1,421,360	98.15
Avenue C	Sims Rd	Julian St	1,292	No	75.53	20.41	0	Local	$962,599	95.94
Gayview Drive	Dead End	Overbrook Dr	1,201	No	84.49	10.68	0	Local	$894,960	95.18
Island Home Ave	Gilbert Ln	Ijams Nature Center	3,328	No	52.55	16.36	25	Minor Collector	$2,771,832	93.91
Island Home Ave	South Haven Rd	Gilbert Ln	3,169	No	51.62	16.71	25	Minor Collector	$2,639,482	93.33
Marshall St	Rugby Ave	Lenland Ave	321	Yes	77.70	15.60	0	Local	$238,999	93.30
Colchester Ct	Hudderfield Way	Sevierville Pike	177	No	72.29	19.27	0	Local	$131,833	91.56
Candora Ave	Spruce Dr	Maryville Pike	928	No	70.84	20.18	0	Local	$691,173	91.02
Candora Rd	Cherokee Trl	Dovetail Way	242	No	70.84	20.18	0	Local	$180,115	91.02
Gilbert Ln	Island Home Ave	Sylvania St	3,087	No	72.43	17.73	0	Local	$2,300,168	90.16
Daylily Dr	290' West of Joe Lewis Rd	Joe Lewis Rd	292	No	70.83	15.72	0	Local	$217,211	86.55
Ingersoll Ave	Harsch St	W Martin Mill Pike	817	No	65.05	20.41	0	Local	$608,643	85.46
Maplewood Drive	1937 Maplewood Drive	1937 Maplewood Drive	242	No	68.19	16.74	0	Local	$180,182	84.93
Lindy Drive	Sevierville Pike	Chapman Hwy	3,078	No	47.50	12.26	25	Minor Collector	$2,563,674	84.76

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Street	From	To	Length (ft)	Safety Review Needed	Demand Score	HealthEquity Score	Road Class Score	Roadway Class	Estimated Cost	Score
Judith Dr	Chapman Hwy	Grandin Dr	1,297	No	71.69	10.45	0	Local	$966,553	82.14
W Ford Valley Rd	Chapman Hwy	Old Valley Rd	298	No	45.83	10.55	25	Minor Collector	$247,892	81.38
Island Home Ave	Ijams Nature Center	3690 Island Home Ave	835	No	37.50	16.41	25	Minor Collector	$695,796	78.91
Cherokee Trl	Cherokee Trl at High Ground Park	Soldiers Way	1,174	No	37.50	13.54	25	Minor Collector	$977,767	76.04
W Ford Valley Rd	Magazine Rd	Chapman Hwy	6,924	No	40.63	10.32	25	Minor Collector	$5,767,386	75.95
Barber St	Phillips Ave	Sevier Ave	319	No	134.87	15.64	0	Local	$237,546	75.25
Fisher Pl	Hillsboro Heights	Island Home Ave	373	No	58.33	16.74	0	Local	$278,120	75.07
Willis Pl	Island Home Blvd	Island Home Blvd	45	No	58.33	16.74	0	Local	$33,667	75.07
W Red Bud Rd	Chapman Hwy	W Lake Forest Dr	618	No	63.66	10.09	0	Local	$460,730	73.75
Sevierville Pike	Centeroak Dr	Lindy Dr	654	No	36.11	12.39	25	Major Collector	$549,688	73.50
Catlett Rd	Mayflower Dr	Colonial Dr	700	No	63.26	10.09	0	Local	$521,334	73.35
Majestic Grove Rd	Chapman Hwy	Mountain Grove Dr	294	No	33.80	11.47	25	Minor Collector	$245,122	70.27
E Lake Forest Dr	Lakewood Dr	Chapman Hwy	691	No	57.61	12.39	0	Local	$514,494	70.00
W Lake Forest Dr	W Red Bud Rd	Chapman Hwy	457	No	59.67	10.09	0	Local	$340,131	69.76
Watson Pl	Island Home Blvd	Island Home Blvd	93	No	51.91	16.74	0	Local	$69,256	68.65
E Lake Forest Dr	Chapman Hwy	Rockhaven Rd	1,625	No	55.30	12.29	0	Local	$1,210,288	67.59
Mayflower Dr	Chapman Hwy	Colonial Dr	1,870	No	56.47	10.09	0	Local	$1,393,308	66.56
Sevierville Pike	Edwards Dr	Centeroak Dr	190	No	29.07	12.39	25	Major Collector	$159,342	66.46
Lakeview Dr	Catlett Rd	Chapman Hwy	977	No	55.87	10.11	0	Local	$727,507	65.97
Mountain Grove Dr	W Governor John Sevier Hwy	Chapman Hwy	2,500	No	28.28	11.47	25	Minor Collector	$2,082,865	64.75
Hillsboro Heights	Maplewood Dr	Hillsboro Heights	611	No	47.22	16.74	0	Local	$455,480	63.96
Colonial Dr	Mayflower Dr	Chapman Hwy	2,149	No	53.78	10.09	0	Local	$1,601,068	63.87
Centerwood Dr	Centeroak Dr	Lindy Dr	694	No	51.20	12.39	0	Local	$517,109	63.59
Fisher Pl	Island Home Blvd	Island Home Blvd	93	No	45.83	16.74	0	Local	$69,256	62.57
Willis Pl	Spence Pl	Island Home Blvd	615	No	45.02	16.74	0	Local	$458,335	61.76
Redwood Rd	Lichen Ln	Centerwood Dr	639	No	48.61	12.39	0	Local	$475,942	61.00
Spence Place	2025 Spence Place	2117 Spence Place	302	No	43.99	16.74	0	Local	$225,221	60.73
Centeroak Dr	Centerwood Dr	Crisp Ln	1,114	No	45.09	12.39	0	Local	$829,725	57.48
Linford Rd	Chapman Hwy	W Ford Valley Rd	816	No	42.06	10.22	0	Local	$607,677	52.28
Spence Pl	2129 Spence Place	Willis Pl	1,404	No	35.38	16.74	0	Local	$1,046,258	52.12
Easton Rd	Colonial Dr	W Ford Valley Rd	1,514	No	39.03	10.09	0	Local	$1,128,138	49.12
Edwards Dr	Redwood Rd	Sevierville Pike	1,028	No	35.42	12.39	0	Local	$765,738	47.81
Manchester Rd	Easton Rd	Easton Rd	1,101	No	34.72	10.09	0	Local	$820,378	44.81
Arcadia Dr	Colonial Dr	W Ford Valley Rd	1,607	No	33.42	10.09	0	Local	$1,196,929	43.51
Prospect Rd	Centeroak Dr	Sevierville Pike	873	No	30.82	12.39	0	Local	$650,305	43.21
W Norton Rd	Chapman Hwy	W Governor John Sevier Hwy	782	No	24.62	11.47	0	Local	$582,918	36.09
Green Rd	WalMart	Chapman Hwy	703	No	31.70	0.59	0	Local	$523,935	32.29
Flamingo St	Tipton Ave	Goldfinch Ave	301	No	140.57	17.66	0	Local	$224,281	15.82
Canary Ave	Tipton Ave	Goldfinch Ave	290	No	127.78	17.66	0	Local	$215,824	14.54
McCormick St	Island Home Ave	Ford Pl	526	No	112.45	15.60	0	Local	$392,134	12.80
Crenshaw Ave	Maryville Pike	W Martin Mill Pike	402	No	100.57	20.18	0	Local	$299,620	12.08

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City Streets - Potential Corridor Improvement

Street	From	To	Length (ft)	Safety Review Needed	Demand Score	HealthEquity Score	Roadway Class	Estimated Cost	Score
Cumberland Ave	Phillip Fulmer Way	Phillip Fulmer Way	49	Yes	178	9	Major Arterial	$44,478	237
Clinch Ave	James Agee St	Clinch Ave (Bus Stop)	81	Yes	172	12	Minor Collector	$67,870	210
11th St	Victorian Way	Clinch Ave	19	No	169	12	Minor Collector	$15,483	207
Clinch Ave	11th St	Worlds Fair Park Dr	95	Yes	169	12	Minor Collector	$79,064	207
Clinch Ave	12th St	11th St	26	No	169	12	Minor Collector	$21,648	207
Clinch Ave	Worlds Fair Park Dr	Henley St	67	Yes	169	12	Minor Collector	$55,592	207
S 17th St	Clinch Ave	Laurel Ave	114	Yes	143	13	Minor Arterial	$101,428	206
11th St	Cumberland Ave	White Ave	64	Yes	169	9	Minor Collector	$53,623	204
16th St	Highland Ave	Laurel Ave	100	Yes	161	13	Minor Collector	$83,460	199
Highland Ave	16th St	S 17th St	74	Yes	161	13	Minor Collector	$61,302	199
White Ave	11th St	Clinch Ave	25	No	161	12	Minor Collector	$20,861	198
S 17th St	Highland Ave	Highland Ave	118	Yes	134	13	Minor Arterial	$105,735	197
11th St	Western Ave	Worlds Fair Park Dr	327	Yes	158	12	Minor Collector	$272,791	195
Cumberland Ave	Alcoa Hwy	S 17th St	3196	Yes	131	13	Major Arterial	$2,879,871	194
Clinch Ave	S 21st St	20th St	73	Yes	151	14	Minor Collector	$61,054	189
Sevierville Pike	Brownairs Ln	Woodlawn Pike	77	Yes	121	18	Minor Arterial	$69,110	188
Phillip Fulmer Way	Cumberland Ave	Cumberland Ave	12	Yes	178	9	Local	$8,952	187
Sevier Ave	Dixie St	Foggy Bottom St	82	Yes	146	16	Major Collector	$68,641	186
S 17th St	Grand Ave	Grand Ave	61	Yes	124	12	Minor Arterial	$54,840	186
14th St	Clinch Ave	Laurel Ave	66	Yes	172	12	Local	$49,044	184
Sevier Ave	Jones St	Concuil Pl	48	Yes	144	16	Major Collector	$40,601	184
Davenport Rd	Sevier Ave	Gertrude Ave	14	No	138	17	Minor Collector	$11,800	180
White Ave	James Agee St	White Ave	39	No	164	12	Local	$28,771	176
Laurel Ave	16th St	James Agee St	78	Yes	161	13	Local	$58,443	174
Forest Ave	W of 16th St	W of James Agee St	504	Yes	161	12	Local	$375,457	174
James Agee St	Highland Ave	Laurel Ave	17	No	161	12	Local	$12,878	173
Laurel Ave	James Agee St	14th St	25	No	161	12	Local	$18,620	173
Worlds Fair Park Dr	11th St	Clinch Ave	73	Yes	158	12	Local	$54,228	170
White Ave	19th St	S 17th St	879	Yes	154	13	Local	$654,562	168
White Ave	S 17th St	16th St	96	Yes	154	13	Local	$71,609	167
Highland Ave	18th St	S 17th St	76	Yes	127	14	Minor Collector	$63,172	165
W Young High Pike	Tomlinson St	Chapman Why	834	Yes	119	20	Major Collector	$700,861	164
Highland Ave	James Agee St	14th St	17	No	150	12	Local	$12,561	162
Melrose Pl	Lake Ave	Melrose Pl	59	Yes	151	9	Local	$44,092	161
Highland Ave	20th St	19th St	128	Yes	120	14	Minor Collector	$106,338	159
White Ave	22nd St	Dead End	277	Yes	138	14	Local	$206,573	151
Lippencott St	Chapman Hwy	University Park Apartments	875	No	108	16	Minor Collector	$729,119	149
Laurel Ave	18th St	S 17th St	475	Yes	136	13	Local	$354,199	149
E Martin Mill Pike	Lowwood Dr	Highwood Dr	56	Yes	100	18	Minor Collector	$46,683	143
Frances St	Melrose Ave	Andy Holt Ave	95	Yes	122	13	Local	$70,767	135
Volunteer Blvd	Lake Ave	Terrace Ave	79	Yes	96	12	Major Collector	$66,009	133
20th St	Highland Ave	Laurel Ave	89	Yes	115	14	Local	$66,586	129
Forest Ave	22nd St	S 21st St	484	No	115	14	Local	$360,466	129

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Street	From	To	Length (ft)	Safety Review Needed	Demand Score	HealthEquity Score	Roadway Class	Estimated Cost	Score
Terrace Ave	19th St	18th St	60	Yes	104	12	Local	$44,762	116
Lake Ave	19th St	Terrace Ave	83	Yes	101	12	Local	$61,543	113
Sevierville Pike	Southside Dr	Southside Dr	56	No	58	16	Major Collector	$47,297	99
Maplewood Dr	Island Home Blvd	Island Home Blvd	31	No	58	17	Local	$22,931	75
Island Home Blvd	Maplewood Dr	Willis Pl	2125	No	54	17	Local	$1,583,437	71

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State Route - New Sidewalk

Street	From	To	Length (ft)	Safety Review Needed	Demand Score	HealthEquity Score	Road Class Score	Roadway Class	Estimated Cost	Score
Chapman Hwy	W Moody Ave	E Young High Pike	1,350	No	110.78	19.33	50	Major Arterial	$1,216,602	180.11
Chapman Hwy	W Blount Ave	W Martin Mill Pike	4,717	Yes	106.46	18.59	50	Major Arterial	$4,250,307	175.05
W Martin Mill Pike	Chapman Hwy	3521 W Martin Mill Pike	290	Yes	102.78	20.18	50	Minor Arterial	$259,206	172.96
Chapman Hwy	W Martin Mill Pike	W Moody Ave	1,422	Yes	101.41	19.39	50	Major Arterial	$1,280,838	170.80
Chapman Hwy	E Young High Pike	Stone Rd	4,430	Yes	97.87	15.01	50	Major Arterial	$3,991,396	162.88
W Martin Mill Pike	Barrar Ave	Ogle Ave	926	No	79.40	20.18	50	Minor Arterial	$826,595	149.58
W Martin Mill Pike	W Blount Ave	Keeble Ave	802	No	79.17	20.18	50	Minor Arterial	$716,214	149.35
Maryville Pike	City Limts (Caleb Rd)	Mayfield Ave	5,644	No	66.77	19.40	50	Minor Arterial	$5,040,311	136.17
Maryville Pike	City Limts (Caleb Rd)	Mayfield Ave	5,753	No	65.65	19.18	50	Minor Arterial	$5,137,623	134.83
Ogle Ave	Candora Ave	W Martin Mill Pike	1,302	No	83.01	20.34	25	Major Collector	$1,093,298	128.35
Chapman Hwy	Stone Rd	Mountain Grove Dr	20,372	No	44.08	8.93	50	Major Arterial	$18,355,105	103.01
Chapman Hwy	Stone Rd	Mountain Grove Dr	20,361	Yes	43.21	9.53	50	Major Arterial	$18,344,833	102.74
W Martin Mill Pike	Chapman Hwy	220' North of Flenniken Ave	697	No	103.56	20.18	50	Minor Arterial	$622,590	86.87
W Martin Mill Pike	Flenniken Ave	W Blount Ave	1,214	No	99.81	20.18	50	Minor Arterial	$1,084,126	84.99

State Route - Potential Corridor Improvements

Street	From	To	Length (ft)	Safety Review Needed	Demand Score	HealthEquity Score	Road Class Score	Roadway Class	Estimated Cost	Score
Neyland Dr	Neyland Greenway	Neyland Greenway	30	No	150.00	9.17	50	Minor Arterial	$26,356	209.17
Chapman Hwy	W Young High Pike	Woodlawn Pike	55	No	116.67	18.76	50	Major Arterial	$49,391	185.43
Chapman Hwy	Hawthorne Ave	Hawthorne Ave	17	Yes	119.44	15.60	50	Major Arterial	$15,120	185.04
Chapman Hwy	W Young High Pike	Woodlawn Pike	67	Yes	116.67	17.66	50	Major Arterial	$60,396	184.33
Chapman Hwy	W Martin Mill Pike	Chapman Hwy	38	Yes	111.11	20.18	50	Major Arterial	$34,413	181.29
Neyland Dr	Neyland Greenway	Neyland Greenway	44	No	118.83	9.17	50	Minor Arterial	$39,660	178.00
Chapman Hwy	E Moody Ave	E Moody Ave	50	Yes	108.33	17.66	50	Major Arterial	$44,798	175.99
Chapman Hwy	Overbrook Dr	Fronda Ln	47	No	104.17	17.66	50	Major Arterial	$42,264	171.83
Chapman Hwy	Stonewall Dr	Stone Rd	50	No	87.50	10.09	50	Major Arterial	$45,390	147.59

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CITY OF KNOXVILLE

Council District 2 Projects

City Streets - New Sidewalk

Street	From	To	Length (ft)	Safety Review Needed	Demand Score	HealthEquity Score	Road Class Score	Roadway Class	Estimated Cost	Score
Buckingham Dr	Vanosdale Rd	Portsmouth Rd	667	No	133.71	10.57	50	Minor Arterial	$595,982	194.28
Bennington Dr	Sheffield Dr	Vanosdale Rd	1,428	No	124.77	9.19	25	Minor Collector	$1,189,509	158.96
S Concord St	Sutherland Ave	Kingston Pike	2,538	No	85.88	18.81	50	Minor Arterial	$2,266,052	154.69
W Nokomis Cir	Iskagna Dr	Keowee Ave	1,219	No	147.19	7.34	0	Local	$907,855	154.53
Morrell Rd	Alki Ln	S Northshore Dr	1,695	No	94.59	8.46	50	Minor Arterial	$1,513,896	153.05
Kenesaw Ave	Iskagna Dr	Keowee Ave	1,185	No	141.65	11.24	0	Local	$882,611	152.89
N Gallaher View Rd	Bridgedale Dr	Kingston Pike	435	No	86.47	14.45	50	Minor Arterial	$388,024	150.92
Montvue Rd	Ray Mears Blvd	217 Montvue Rd	904	No	86.00	14.45	50	Minor Arterial	$807,248	150.45
Southgate Rd	Keowee Ave	Cherokee Blvd	1,489	No	117.36	7.54	25	Minor Collector	$1,240,479	149.90
Morrell Rd	Westland Dr	S Northshore Dr	3,130	No	87.64	7.90	50	Minor Arterial	$2,795,402	145.54
Morrell Rd	West Town Mall North Entrance	West Town Mall South Entrance	390	Yes	79.76	14.45	50	Minor Arterial	$348,383	144.21
N Weisgarber Rd	307 N Weisgarber Rd	Highland Place Way	465	No	108.98	10.08	25	Minor Collector	$387,684	144.06
Yorkshire Dr	Whitehall Rd	Wesley Rd	929	No	107.49	11.01	25	Minor Collector	$773,867	143.50
Toole Dr	Bearden Rd	Greenbrier Dr	1,164	No	131.81	10.78	0	Local	$867,255	142.59
Cross Park Drive	Park Village Rd	Cross Creek Rd	1,922	No	102.25	14.22	25	Major Collector	$1,614,798	141.47
Walker Springs Rd	Walbrook Dr	Kingston Pike	1,288	No	78.83	11.44	50	Minor Arterial	$1,150,578	140.28
Bennington Dr	Vanosdale Rd	Bennington Cir	465	No	129.17	11.01	0	Local	$346,621	140.18
Park Village Road	185' South of Dutchtown Rd	Cross Park Dr	1,603	Yes	100.02	14.44	25	Minor Collector	$1,335,599	139.45
Park Village Rd	Ten Mile Rd	Cross Park Dr	514	No	100.07	14.22	25	Minor Collector	$428,306	139.29
Lyons View Pike	130' S of Kingston Pike	TN Veterans Cemetery	7,064	No	82.20	6.13	50	Minor Arterial	$6,307,798	138.33
Lyons View Pike	Existing Sidewalk S of Kingston Pike	Lakeshore Park	6,878	No	82.00	6.08	50	Minor Arterial	$6,141,945	138.08
N Gallaher View Rd	E Walker Springs Ln	Walbrook Dr	475	No	80.56	7.11	50	Minor Arterial	$424,006	137.67
Bearden Road	Woodburn Dr	Kingston Pike	1,243	No	126.53	10.78	0	Local	$926,055	137.31
Renford Rd	Eastern Dr	Sutherland Ave	743	No	121.25	15.37	0	Local	$553,590	136.62
Kelly Pl	Renford Rd	Hollywood Rd	468	No	119.76	15.37	0	Local	$348,429	135.13
Oakhurst Dr	Scenic Dr	Woodland Dr	1,190	No	127.58	7.40	0	Local	$886,799	134.98
Westland Dr	Sherwood Dr	Lyons View Pike	906	No	76.85	8.12	50	Minor Arterial	$808,903	134.97
Westwood Road	Herron Dr	Sutherland Ave	1,086	No	123.83	10.78	0	Local	$808,720	134.61
Winston Rd	West Town Way	Ray Mears Blvd	1,693	Yes	94.77	14.45	25	Major Collector	$1,422,401	134.22
Kenilworth Dr	Scenic Dr	Oakhurst Dr	1,207	No	123.86	7.37	0	Local	$898,896	131.22
Ray Mears Blvd	Target store	Montvue Rd	2,054	No	90.76	14.45	25	Minor Collector	$1,711,380	130.21
Papermill Dr	Coleman Rd	Papermill Pointe Way	1,620	No	92.54	12.50	25	Major Collector	$1,361,077	130.04
Forest Glen Dr	Kingston Pike	Kingston Pike	2,008	No	118.73	10.68	0	Local	$1,496,194	129.40
Gleason Dr	Sidwalk E of S Gallaher View Rd	Sidewalk W of Montvue Rd	4,332	No	64.77	14.54	50	Minor Arterial	$3,868,732	129.31
Gleason Dr	Bearden High School Enterance	East of Danbury Rd	4,109	Yes	64.70	14.52	50	Minor Arterial	$3,669,294	129.22
Bennington Drive	North Winston Rd	Sheffield Dr	2,369	No	94.65	9.16	25	Minor Collector	$1,973,749	128.82
Morrell Road	Westland Dr	Nubbin Ridge Dr	1,491	No	70.88	7.72	50	Minor Arterial	$1,331,674	128.60
West Hills Rd	Middlebrook Pike	Gainsborough Dr	3,423	No	92.32	11.01	25	Minor Collector	$2,851,241	128.33
Ten Mile Rd	Park Village Rd	Cross Creek Rd	1,950	No	112.80	14.64	0	Local	$1,452,606	127.44
Greenbrier Dr	Woodburn Dr	Woodburn Dr	1,284	No	116.47	10.78	0	Local	$956,649	127.25
Walbrook Dr	Walker Springs Rd	N Gallaher View Rd	2,069	Yes	88.12	13.67	25	Major Collector	$1,737,810	126.79
Herron Dr	Greenbrier Dr	Westwood Rd	502	No	113.47	10.78	0	Local	$374,313	124.25
Nubbin Ridge Dr	Morrell Rd	Whitower Dr	1,931	No	91.64	7.37	25	Minor Collector	$1,608,586	124.01
Cross Park Drive	Cross Creek Rd	Bridgewater Rd	2,336	No	84.74	14.22	25	Major Collector	$1,962,213	123.96
Scenic Drive	Blows Ferry Road	Southgate Rd	2,951	No	116.04	6.53	0	Local	$2,198,534	122.57
S Forest Park Blvd/Colony Way/Arrowhead Trl	Kingston Pike	Blows Ferry Rd	3,007	No	91.25	6.29	25	Minor Collector	$2,504,936	122.54
Sheffield Drive	Portsmouth Rd	Wesley Rd	4,097	No	85.55	11.01	25	Minor Collector	$3,412,979	121.56
Hampshire Dr	West Hills Rd	Whitehall Rd	831	No	109.02	11.01	0	Local	$618,780	120.03

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Street	From	To	Length (ft)	Safety Review Needed	Demand Score	HealthEquity Score	Road Class Score	Roadway Class	Estimated Cost	Score
Downtown West Blvd	Kingston Pike	Gleason Dr	2,202	No	79.41	14.45	25	Major Collector	$1,849,535	118.86
Cemetery Rd	Sutherland Ave	Kingston Pike	526	No	107.91	10.78	0	Local	$392,242	118.69
N Gallaher View Rd	Walker Springs Rd	160' South of Ivy Falls Way	1,294	No	59.11	9.34	50	Minor Arterial	$1,155,184	118.46
Lonas Drive	Gate Ln	Middlebrook Pike	15,038	Yes	79.57	13.85	25	Major Collector	$12,631,717	118.42
Kenesaw Ave	Taliluna Ave	Cherokee Blvd	1,517	No	108.80	8.83	0	Local	$1,130,405	117.64
Cross Park Dr	N Cedar Bluff Rd	Park Village Rd	1,852	No	78.60	13.54	25	Major Collector	$1,555,755	117.15
Ownby Ln	Pinner Dr	Alki Ln	623	No	108.33	8.72	0	Local	$464,191	117.05
Pinner Dr	Ownby Ln	Morrell Rd	443	No	108.33	8.64	0	Local	$330,183	116.97
Alki Ln	Dukesbury Dr	Morrell Rd	1,176	No	108.30	8.44	0	Local	$875,969	116.74
Carr St	Sutherland Ave	Kingston Pike	683	Yes	105.56	10.78	0	Local	$508,690	116.34
Agawela Ave	Taliluna Ave	Cherokee Blvd	1,510	No	107.33	7.83	0	Local	$1,124,696	115.16
Downtown West Blvd	Kingston Pike	Gleason Dr	2,228	No	75.49	14.45	25	Major Collector	$1,871,421	114.94
N Cedar Bluff Road	Cross Park Dr	N Peters Rd	2,133	No	55.39	6.95	50	Major Arterial	$1,921,755	112.34
Bridgewater Rd	Cross Park Dr	Kingston Pike	2,484	No	74.26	11.91	25	Major Collector	$2,086,533	111.17
Chamberbliss Ave	Carr St	Lebanon St	2,155	No	99.87	10.78	0	Local	$1,605,656	110.65
East Hillvale Turn	Kingston Pike	West Hillvale Turn	1,202	Yes	98.86	11.32	0	Local	$895,387	110.18
Blows Ferry Road	Arrowhead Trl	Scenic Dr	1,913	No	78.24	6.41	25	Minor Collector	$1,593,778	109.65
N Cedar Bluff Road	Cross Park Dr	N Peters Rd	2,177	Yes	57.70	1.47	50	Major Arterial	$1,961,417	109.17
Sheffield Dr	Corteland Dr	Bennington Dr	1,021	No	99.34	9.17	0	Local	$760,570	108.51
Forest Heights Rd	Bolling Ln	Sutherland Ave	1,335	No	94.56	13.32	0	Local	$994,851	107.89
Winston Rd	Ray Mears Blvd	Hayden Dr	248	No	93.06	14.45	0	Local	$184,534	107.51
Towanda Trl	Kingston Pike	Scenic Dr	3,479	No	101.16	5.96	0	Local	$2,592,128	107.12
Alta Vista Way	Blows Ferry Road	Scenic Dr	3,155	No	100.76	6.03	0	Local	$2,350,311	106.79
Westland Dr	City Limits	Morrell Rd	1,298	No	48.28	8.03	50	Minor Arterial	$1,159,151	106.30
Glenfield Dr	Scenic Dr	Oakhurst Dr	1,205	No	98.78	7.34	0	Local	$897,420	106.12
Northview St	Sutherland Ave	Kingston Pike	659	No	94.68	10.78	0	Local	$491,038	105.46
Westland Dr	City Limits	Morrell Rd	1,296	No	46.66	7.84	50	Minor Arterial	$1,156,951	104.51
N Peters Rd	N Cedar Bluff Rd	Kingston Pike	2,869	No	43.71	10.78	50	Minor Arterial	$2,561,703	104.49
Corteland Dr	Bennington Dr	Bennington Dr	3,481	No	95.07	9.17	0	Local	$2,593,034	104.24
N Peters Rd	N Cedar Bluff Rd	Kingston Pike	2,934	No	43.37	10.78	50	Minor Arterial	$2,620,489	104.15
Papermill Drive	N Weisgarber Rd	Kingston Pike	3,092	Yes	70.30	8.70	25	Major Collector	$2,597,532	104.00
Coleman Rd	Lonas Dr	Papermill Dr	1,258	No	65.05	13.58	25	Major Collector	$1,056,720	103.63
Lebanon Street	Sutherland Ave	Newcom Ave	628	No	92.52	10.87	0	Local	$467,600	103.38
Sherrill Blvd	Christian Academy Blvd	N Cedar Bluff Rd	1,056	Yes	77.80	0.00	25	Major Collector	$886,669	102.80
Rocky Hill Road	Morrell Rd	S Northshore Dr	2,032	No	95.13	7.44	0	Local	$1,513,565	102.57
Corteland Dr	Broome Rd	N Winston Rd	4,659	No	68.87	8.32	25	Minor Collector	$3,881,351	102.19
Parkside Dr	Turkey Creek Medical Center	Lovell Rd	808	No	51.43	0.00	50	Major Arterial	$727,930	101.43
N Peters Rd	N Seven Oaks Dr	N Cedar Bluff Rd	2,932	No	49.04	0.00	50	Minor Arterial	$2,618,545	99.04
Newcom Avenue	N Forest Park Blvd	Lebanon St	844	No	87.70	10.78	0	Local	$628,780	98.48
Westland Drive	Kentfield Dr	Sherwood Dr	810	No	40.66	7.44	50	Minor Arterial	$722,885	98.10
Westland Dr	Morrell Rd	S Nothshore Dr	10,201	No	39.79	7.84	50	Minor Arterial	$9,109,485	97.63
Noelton Drive	Kingston Pike	Alta Vista Way	1,774	No	91.55	5.96	0	Local	$1,321,969	97.51
Westwood Rd	Sutherland Ave	Kingston Pike	261	No	133.54	10.78	50	Minor Arterial	$232,885	97.16
Stratton Dr	Hayden Dr	Livingston Dr	1,141	No	82.17	14.45	0	Local	$849,980	96.62
Westland Dr	Lawford Rd	Sherwood Oaks Blvd	1,383	No	38.63	7.79	50	Minor Arterial	$1,235,298	96.41
N Peters Rd	Langley Pl	N Cedar Bluff Road	3,720	Yes	46.22	0.00	50	Minor Arterial	$3,322,045	96.22
Westland Dr (west)	N of Pellissippi Pkwy	S of Pellissippi Pkwy	758	No	45.83	0.00	50	Minor Arterial	$676,768	95.83
Westland Dr (east)	N of Pellissippi Pkwy	S of Pellissippi Pkwy	713	No	45.83	0.00	50	Minor Arterial	$636,849	95.83
Buckingham Dr	Vanosdale Rd	220' North of West Town Way	861	No	131.55	10.08	50	Minor Arterial	$768,954	95.82
Sullins Street	Dead End	S Concord St	624	No	76.86	18.81	0	Local	$465,101	95.67

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Street	From	To	Length (ft)	Safety Review Needed	Demand Score	HealthEquity Score	Road Class Score	Roadway Class	Estimated Cost	Score
Kim Watt Dr	Sunflower Dr	Lonas Dr	2,737	No	79.34	15.44	0	Local	$2,038,900	94.78
Pawnee Rd	Sunflower Dr	Lonas Dr	1,143	No	79.14	15.60	0	Local	$851,786	94.74
Westland Drive	Morrell Rd	Lawford Rd	591	Yes	35.89	8.35	50	Minor Arterial	$527,340	94.25
Hayden Dr	Gleason Dr	Montvue Rd	3,128	No	79.60	14.45	0	Local	$2,330,416	94.05
Danbury Rd	Livingston Dr	Gleason Dr	384	No	79.17	14.45	0	Local	$286,092	93.62
Stockon Dr	Westridge Dr	Wesley Rd	3,418	No	82.53	11.01	0	Local	$2,546,213	93.54
Livingston Dr	Hayden Dr	Montvue Rd	1,183	No	78.98	14.45	0	Local	$881,561	93.43
Vanosdale Rd	Middlebrook Pike	Buckingham Dr	3,453	No	126.02	10.66	50	Minor Arterial	$3,083,614	93.34
Whitower Dr	Nubbin Ridge Dr	S Northshore Dr	2,087	No	84.46	7.41	0	Local	$1,554,551	91.87
Newcastle Rd	Haverhill Dr	Dorchester Dr	399	No	80.56	11.01	0	Local	$297,048	91.57
Westland Dr	Sherwood Dr	Sherwood Dr	6,491	No	32.41	8.07	50	Minor Arterial	$5,796,215	90.47
Lockett Rd	Kingston Pike	Deane Hill Dr	1,554	No	56.75	8.49	25	Minor Collector	$1,294,708	90.24
Lindsay Place	Jersey Ave	Kingston Pike	744	No	70.10	18.81	0	Local	$554,083	88.91
Broome Road	Alexander Cavet Dr	N Gallaher View Rd	740	No	55.94	7.11	25	Minor Collector	$616,263	88.05
N Peters Rd	Langley Pl	N Seven Oaks Dr	1,071	No	35.77	0.00	50	Minor Arterial	$956,419	85.77
Bennington Dr	Corteland Dr	Corteland Dr	2,015	No	74.71	9.02	0	Local	$1,500,861	83.73
Gainsborough Dr	West Hills Rd	Wesly Rd	1,593	No	72.62	11.01	0	Local	$1,186,726	83.63
Sutherland Ave	Westwood Rd	N Mohican St	2,226	No	105.35	10.78	50	Minor Arterial	$1,988,058	83.06
Haverhill Dr	Wesly Rd	Sheffield Dr	1,525	No	71.52	11.01	0	Local	$1,136,030	82.53
Cheshire Drive	Kingston Pike	Deane Hill Dr	3,717	No	48.94	8.49	25	Minor Collector	$3,096,010	82.43
Sutherland Ave	N Mohican St	N Forest Park Blvd	1,944	No	102.32	11.21	50	Minor Arterial	$1,736,365	81.76
Kendall Rd	Gleason Dr	Luxmore Dr	2,782	No	66.48	14.59	0	Local	$2,072,899	81.06
Wellington Dr	Kingston Pike	Cresthill Dr	1,018	No	72.56	8.49	0	Local	$758,200	81.05
Downing Dr	West Hills Rd	Wesly Rd	1,796	No	67.73	11.01	0	Local	$1,337,658	78.74
Sunflower Dr	Pawnee Rd	Kim Watt Dr	2,167	No	62.44	15.60	0	Local	$1,614,365	78.04
Dorchester Dr	Wesly Rd	Sheffield Dr	2,265	No	66.58	11.01	0	Local	$1,687,077	77.59
Kirby Road	Lonas Dr	Papermill Dr	992	No	63.36	13.99	0	Local	$738,934	77.35
Deane Hill	Wellsley Park Rd	Kingston Pike	7,221	No	43.07	8.49	25	Major Collector	$6,065,914	76.56
Sheffield Dr	Wesly Rd	Dorchester Dr	1,566	No	64.52	11.01	0	Local	$1,166,653	75.53
Beaverton Road	Gleason Dr	Brettonwood Dr	1,131	No	59.80	14.59	0	Local	$842,661	74.39
Rockingham Dr	West Hills Rd	Wesly Rd	1,730	No	63.16	11.01	0	Local	$1,289,181	74.17
Parkside Dr	Lovell Rd	Center Park Dr	6,754	No	23.55	0.00	50	Major Arterial	$6,085,777	73.55
Holman Rd	Lonas Dr	Papermill Dr	1,859	No	58.40	14.18	0	Local	$1,384,692	72.58
Starmont Trl	Yosemite Trl	Lonas Dr	1,901	No	57.96	14.43	0	Local	$1,416,033	72.40
Lyons View Pike	Lakeshore Park	S Nothshore Dr	1,003	No	86.85	7.12	50	Minor Arterial	$895,282	71.98
Parkside Dr	Lovell Rd	Mabry Hood Rd	7,296	No	21.34	0.00	50	Major Arterial	$6,573,631	71.34
Bardon Rd	Twining Dr	Luscombe Dr	1,366	No	56.32	14.68	0	Local	$1,017,805	71.00
Broome Rd	Middlebrook Pike	Marlboro Rd	1,468	No	36.38	8.65	25	Minor Collector	$1,222,593	70.03
Crocus Ln	Azalea Dr	Papermill Dr	496	No	55.67	13.99	0	Local	$369,690	69.66
Azalea Dr	Crocus Ln	Coleman Rd	961	No	55.56	13.95	0	Local	$715,573	69.51
Snow Goose Rd	Turkey Dr	Parkside Dr	249	No	66.67	0.00	0	Local	$185,662	66.67
Timbercrest Trl	Lance Dr	Starmont Trl	2,810	No	52.31	13.99	0	Local	$2,093,249	66.30
Market Place Blvd	N Peters Rd	Kingston Pike	1,334	No	40.38	0.00	25	Minor Collector	$1,110,953	65.38
Jerdan Rd	Sabre Dr	Luscombe Dr	584	No	57.88	7.34	0	Local	$434,873	65.22
Sabre Dr	Noragate Rd	Twining Dr	4,100	No	52.88	12.28	0	Local	$3,054,540	65.16
N Seven Oaks Drive	N Peters Rd	Kingston Pike	1,641	No	40.04	0.00	25	Minor Collector	$1,366,835	65.04
Timber Pass	Yosemite Trl	Lonas Dr	1,406	No	50.66	13.99	0	Local	$1,047,668	64.65
Duck Creek Rd	Turkey Dr	Parkside Dr	255	No	63.89	0.00	0	Local	$190,127	63.89
Ainsworth Dr	Corteland Dr	Marlboro Rd	1,756	No	54.47	9.17	0	Local	$1,308,066	63.64
S Gallaher View Rd	Kingston Pike	Copper Pointe Apartments	2,207	No	60.25	14.33	50	Minor Arterial	$1,970,442	62.29

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Street	From	To	Length (ft)	Safety Review Needed	Demand Score	HealthEquity Score	Road Class Score	Roadway Class	Estimated Cost	Score
Twining Dr	Kendall Rd	Bardon Rd	643	No	46.75	14.68	0	Local	$478,755	61.43
Marlboro Rd	Broome Rd	Corteland Dr	2,193	No	49.95	9.10	0	Local	$1,633,762	59.06
Cresthill Dr	Golf Club Dr	Locketrt Rd	616	No	50.13	8.49	0	Local	$458,804	58.62
Cresthill Dr	Wellington Dr	Golf Club Dr	2,635	No	49.44	8.49	0	Local	$1,963,406	57.93
Turkey Dr	Wild Geese Rd	Snow Goose Rd	2,172	No	56.55	0.00	0	Local	$1,618,417	56.55
Noragate Rd	Sabre Dr	Luscombe Dr	1,775	No	47.72	7.96	0	Local	$1,322,503	55.68
Knott Rd	Tenwood Dr	North Middlebrook Pike	1,296	Yes	16.95	12.01	25	Minor Collector	$1,079,978	53.95
Cessa Rd	Sabre Dr	Luscombe Dr	1,603	No	45.72	8.14	0	Local	$1,193,906	53.85
Smoky Trl	Yosemite Trl	Starmont Trl	1,647	No	39.76	13.99	0	Local	$1,227,090	53.75
Shenadoah Dr	Timber Pass	Cliftgate Rd	1,472	No	38.78	13.99	0	Local	$1,096,824	52.77
Aeronca Rd	Sabre Dr	Luscombe Dr	1,441	No	45.31	7.34	0	Local	$1,073,595	52.65
Golf Club Dr	Kingston Pike	Deane Hill Dr	2,128	No	44.10	8.49	0	Local	$1,585,191	52.59
Piper Rd	Sabre Dr	Luscombe Dr	1,268	No	44.34	7.76	0	Local	$944,989	52.10
Wild Geese Rd	Turkey Dr	Parkside Dr	257	No	51.39	0.00	0	Local	$191,705	51.39
Cliftgate Rd	Yosemite Trl	Starmont Trl	702	No	37.33	13.99	0	Local	$523,297	51.32
Luscombe Dr	Noragate Rd	145' West of Morrell Rd	5,549	No	43.88	7.34	0	Local	$4,133,922	51.22
Herons Nest Rd	Turkey Dr	Parkside Dr	251	No	50.88	0.00	0	Local	$186,782	50.88
Waco Rd	Sabre Dr	Luscombe Dr	1,098	No	40.29	7.34	0	Local	$817,917	47.63
Yosemite Trl	Lance Dr	Lance Dr	3,195	No	30.05	14.15	0	Local	$2,380,255	44.20
Nobscot Rd	Sabre Dr	Luscombe Dr	979	No	33.33	7.34	0	Local	$728,997	40.67
Lance Drive	Timbercrest Trl	Yosemite Trl	3,496	No	23.87	15.15	0	Local	$2,604,242	39.02
Kroger Park Dr	Kroger Park Dr	Lakeside Centre Way	1,038	No	38.73	0.00	0	Local	$773,237	38.73
Sherwood Dr	Stone Mill Dr	Hemlock Rd	4,274	No	29.19	8.49	0	Local	$3,184,325	37.68
Bismark Trl	Lance Dr	Yosemite Trl	281	No	16.40	13.99	0	Local	$209,101	30.39
Dunwoody Boulevard	S Northshore Dr	170' South of Dunwoody Boulevard	170	No	17.84	8.72	0	Local	$126,450	26.56
Village Rd	Village Rd	Longview Rd	279	No	116.67	15.37	0	Local	$208,096	13.20
Foxvue Road	Fox Rd	Coral Springs Ln	1,338	No	12.50	0.00	0	Local	$996,773	12.50

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City Streets - Potential Corridor Improvement

Street	From	To	Length (ft)	Safety Review Needed	Demand Score	HealthEquity Score	Road Class Score	Roadway Class	Estimated Cost	Score
Southgate Rd	Sequoyah Elementary School	Sagwa Dr	87	No	136.36	7.34	25	Minor Collector	$72,345	168.70
Sutherland Ave	Highland Hills Rd	E of Forest Heights Rd	781	Yes	104.62	11.58	50	Minor Arterial	$697,863	166.20
Morrell Rd	Rocky Hill Elementary School	Pinner Dr	87	Yes	108.33	7.56	50	Minor Arterial	$77,919	165.89
Buckingham Dr	Kingston Pike	Morrell Rd	128	Yes	91.67	14.45	50	Minor Arterial	$114,045	156.12
Hollywood Rd	Papermill Dr	Crosby Dr	27	No	116.67	12.39	25	Major Collector	$22,292	154.06
Iskagna Dr	Woodside St	Kenesaw Ave	264	No	140.28	10.03	0	Local	$196,840	150.31
Hollywood Rd	Lonas Dr	Papermill Dr	1,593	No	112.67	12.51	25	Major Collector	$1,338,238	150.19
Gleason Dr	Montvue Rd	Forest Oak Dr	792	Yes	80.91	14.45	50	Minor Arterial	$707,426	145.36
Cherokee Blvd	Kingston Pike	Kituwah Trl	58	No	105.56	11.24	25	Minor Collector	$48,506	141.80
S Gallaher View Rd	Bearden High School	Bearden High School	50	Yes	70.83	14.45	50	Minor Arterial	$44,249	135.28
N Weisgarber Rd	Brookvale Ln	314 N Weisgarber Rd	89	Yes	98.61	10.78	25	Minor Collector	$74,476	134.39
Gleason Dr	Morrell Rd	W of Morrell Rd	96	Yes	69.44	14.45	50	Minor Arterial	$86,071	133.89
Park Village Rd	Ten Mile Rd (Bus Stop)	Ten Mile Rd	39	No	94.44	14.22	25	Minor Collector	$32,627	133.66
N Cedar Bluff Rd	Sherrill Blvd	Cross Park Dr	90	Yes	77.78	0.00	50	Major Arterial	$81,044	127.78
Fox Lonas Rd	Park Village Rd	Racquet Club Way	56	Yes	86.11	16.51	25	Minor Collector	$46,300	127.62
Downtown West Blvd	Ray Mears Blvd	Ray Mears Blvd	110	Yes	79.83	14.45	25	Major Collector	$92,364	119.28
Deane Hill Drive	Cul-de-sac	Morrell Rd	262	No	44.44	13.04	50	Minor Arterial	$233,677	107.48
Old Kingston Pike	S Forest Park Blvd	4620 Old Kingston Pike	133	Yes	101.39	5.96	0	Local	$98,826	107.35
E Weisgaber Rd	Casey Dr	115' South of Casey Dr (Bus Stop)	116	Yes	41.67	11.01	50	Minor Arterial	$103,274	102.68
Parkside Dr	Turkey Creek Medical Center	Lovell Rd	113	Yes	45.83	0.00	50	Major Arterial	$102,214	95.83
N Peters Rd	N Seven Oaks Dr	N Seven Oaks Dr	69	No	41.67	0.00	50	Minor Arterial	$61,632	91.67
Parkside Dr	Herons Nest Rd	Duck Creek Rd	666	Yes	54.66	0.00	0	Local	$496,338	54.66

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State Route - New Sidewalk

Street	From	To	Length (ft)	Safety Review Needed	Demand Score	HealthEquity Score	Road Class Score	Roadway Class	Estimated Cost	Score
Middlebrook Pike	Vanosdale Rd	West Hills Rd	938	Yes	140.64	15.60	50	Major Arterial	$845,361	206.24
N Northshore Dr	Existing Sidewalk South of Papermill Dr	Existing Sidewalk North of Kingston Pike	1,716	Yes	112.64	10.78	50	Major Arterial	$1,546,241	173.42
Kingston Pike	Towanda Trl	Leyland Dr	9,374	Yes	98.42	13.20	50	Major Arterial	$8,446,147	161.62
Kingston Pike	Kingston Pointe Apartments	N Weisgarber Rd	1,258	Yes	96.74	8.49	50	Major Arterial	$1,133,057	155.23
Kingston Pike	S Gallaher View Rd	North Winston Rd	4,175	Yes	89.68	14.45	50	Major Arterial	$3,761,411	154.13
Kingston Pike	N Gallaher View Rd	North Winston Rd	4,176	No	87.75	14.45	50	Major Arterial	$3,762,488	152.20
Kingston Pike	Existing Sidewalk East of Morrell Rd	West of Wesley Rd	3,298	No	85.60	8.49	50	Major Arterial	$2,971,482	144.09
Kingston Pike	Existing Sidewalk East of Buckingham Dr	Wesley Rd	3,542	Yes	85.20	8.49	50	Major Arterial	$3,191,656	143.69
S Northshore Dr	422 S Northshore Dr	Lyons View Pike	2,149	No	81.21	8.49	50	Major Arterial	$1,935,908	139.70
Kingston Pike	East of Wesley Rd	S Weisgarber Rd	5,363	No	79.61	8.49	50	Major Arterial	$4,832,193	138.10
Middlebrook Pike	Whitehall Rd	East Weisgarber Rd	5,903	No	73.98	13.71	50	Major Arterial	$5,318,825	137.69
Kingston Pike	East of Wesley Rd	West of Major Reynolds Pl	3,385	No	73.64	8.49	50	Major Arterial	$3,049,765	132.13
S Northshore Dr	7671 S Northshore Dr	Whitower Dr	1,591	No	73.11	8.07	50	Major Arterial	$1,433,837	131.18
Kingston Pike	N Peters Rd	N Gallaher View Rd	7,695	No	54.55	10.48	50	Major Arterial	$6,933,141	115.03
Kingston Pike	S Peters Rd	S Gallaher View Rd	7,667	No	54.18	10.03	50	Major Arterial	$6,908,353	114.20
S Northshore Dr	Town Center Blvd	I-140 Ramp	788	No	58.11	5.55	50	Major Arterial	$709,790	113.66
S Middlebrook Pike	Hilton Rd	Third Creek Rd	3,732	No	45.20	15.60	50	Major Arterial	$3,362,119	110.80
Kingston Pike	Market Place Blvd	S Cedar Bluff Rd	1,205	No	58.95	0.00	50	Major Arterial	$1,085,281	108.95
Middlebrook Pike	Amherst Rd	4408 Middlebrook Pike	8,550	No	42.66	15.33	50	Major Arterial	$7,703,459	107.99
S Northshore Dr	Branton Blvd	Morrell Rd	4,946	No	49.12	8.52	50	Major Arterial	$4,456,262	107.64
S Northshore Dr	Lyons View Pike	Branton Blvd	16,576	No	44.54	8.14	50	Major Arterial	$14,935,037	102.67
N Middlebrook Pike	Hilton Rd	Third Creek Rd	3,860	No	35.34	14.35	50	Major Arterial	$3,478,026	99.68
S Northshore Dr	Westland Dr	Whitower Dr	9,596	No	39.08	7.83	50	Major Arterial	$8,645,807	96.90
Lovell Rd	I-40/I-75 Ramp	I-40/I-75 Ramp	426	No	43.62	0.00	50	Minor Arterial	$380,285	93.62
Lovell Rd	I-40/I-75 Ramp	I-40/I-75 Ramp	426	No	43.09	0.00	50	Minor Arterial	$380,285	93.09
S Northshore Dr	I-140 Ramp	Falling Water Rd	348	No	39.04	0.00	50	Major Arterial	$313,180	89.04
S Northshore Dr	I-140 Ramp	Keller Bend Rd	2,748	No	37.98	0.00	50	Major Arterial	$2,476,351	87.98
N Northshore Dr	Papermill Dr	Kingston Pike	2,456	No	109.61	10.78	50	Major Arterial	$2,212,721	85.19
Kingston Pike	Hayfield Rd	Market Place Blvd	3,569	No	29.71	0.00	50	Major Arterial	$3,215,995	79.71
Kingston Pike	Lovell Rd	Market Place Blvd	14,780	No	16.97	1.97	50	Major Arterial	$13,316,594	68.95
Kingston Pike	Lovell Rd	Market Place Blvd	14,975	No	14.90	3.21	50	Major Arterial	$13,492,196	68.10

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State Route - Potential Corridor Improvement

Street	From	To	Length (ft)	Safety Review Needed	Demand Score	HealthEquity Score	Road Class Score	Roadway Class	Estimated Cost	Score
Kingston Pike	Heska Amuna Synagogue (Bus Stop)	Oakhurst Dr	83	No	122.22	18.81	50	Major Arterial	$75,099	191.03
Kingston Pike	Westwood Rd	5505 Kingston Pike	81	Yes	122.22	10.78	50	Major Arterial	$73,121	183.00
Kingston Pike	Newcom Ave	Mercedes Pl (Bus Stop)	284	Yes	105.56	10.78	50	Major Arterial	$255,646	166.34
Kingston Pike	N Forest Park Blvd (Bus Stop)	S Forest Park Blvd	58	No	101.39	10.78	50	Major Arterial	$52,434	162.17
Kingston Pike	Lebanon St	4611 Kingston Pike (Bus Stop)	128	Yes	101.39	10.78	50	Major Arterial	$115,714	162.17
Kingston Pike	Montvue Rd	Jack Dance St	376	Yes	94.95	14.45	50	Major Arterial	$338,396	159.40
Kingston Pike	Towanda Trl	Towanda Trl	72	No	100.74	5.96	50	Major Arterial	$64,503	156.70
Kingston Pike	N Mohican St	McCoy St	159	No	94.44	10.78	50	Major Arterial	$143,284	155.22
Kingston Pike	5209 Kingston Pike	5209 Kingston Pike	77	No	94.44	10.78	50	Major Arterial	$69,530	155.22
Kingston Pike	N Mohican St	W of N Mohican St	62	Yes	94.44	10.78	50	Major Arterial	$55,757	155.22
Kingston Pike	Lyons View Pike	Lyons View Pike	48	Yes	88.89	10.48	50	Major Arterial	$43,571	149.37
S Northshore Dr	Westland Dr	Lyons View Pike	85	No	88.89	8.49	50	Major Arterial	$76,648	147.38
Kingston Pike	Noelton Dr (Bus Stop)	Noelton Dr	58	No	86.11	5.96	50	Major Arterial	$52,496	142.07
Kingston Pike	Papermill Dr	Golfclub Rd	70	No	58.33	8.49	50	Major Arterial	$62,798	116.82
S Northshore Dr	I-140 bridge	I-140 Ramp	101	Yes	45.83	8.72	50	Major Arterial	$90,964	104.55
Lovell Rd	I-40/75 Ramp	Simmons Rd	109	Yes	45.83	0.00	50	Minor Arterial	$97,178	95.83
S Northshore Dr	Kroger Park Dr	Lakeside Centre Way	18	No	44.44	0.00	50	Major Arterial	$15,958	94.44
Middlebrook Pike	Robinson Rd	Robinson Rd	81	Yes	20.83	7.52	50	Major Arterial	$72,783	78.35

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CITY OF KNOXVILLE

Council District 3 Projects

City Streets - New Sidewalk

Street	From	To	Length (ft)	Safety Review Needed	Demand Score	HealthEquity Score	Road Class Score	Roadway Class	Estimated Cost	Score
Glenn Avenue	Keith Ave	Middlebrook Pike	1,506	No	133.97	19.04	25	Minor Collector	$1,254,891	178.01
Belmont Heights Ave	West View Elementary School	McTeer St	476	No	134.94	19.04	0	Local	$354,383	153.98
Keith Ave	Richmond Hill Rd	Glenn Ave	1,414	No	105.76	19.06	25	Major Collector	$1,187,384	149.82
McTeer St	Keith Ave	Fillmore Ave	1,117	No	128.87	19.04	0	Local	$832,497	147.91
Dawn St	Truman Ave	Keith Ave	689	No	127.78	19.04	0	Local	$512,934	146.82
Denson Ave	Loraine St	Glenn Ave	798	No	123.51	19.04	0	Local	$594,520	142.55
McTeer St	Richmond Ave	Keith Ave	1,031	No	118.46	19.04	0	Local	$768,091	137.50
Wilson Road	Ivory Gable Way	Sidewalk North of Pleasant Ridge Rd	1,706	Yes	93.32	19.04	25	Major Collector	$1,433,099	137.36
Pleasant Ridge Rd	Sanderson Rd	Western Ave	2,032	No	65.61	19.04	50	Minor Arterial	$1,814,152	134.65
Sanderson Road	Elderwood Rd	Pleasant Ridge Rd	300	No	90.18	19.04	25	Major Collector	$251,986	134.22
Francis Rd	Helmbolt Rd	Bearden Middle School	3,485	No	67.54	16.55	50	Minor Arterial	$3,112,408	134.09
Deer Creek Dr	Deer Run Dr	Pleasant Ridge Rd	1,795	No	116.93	15.60	0	Local	$1,337,521	132.53
Pleasant Ridge Rd	Sycamore Dr	Western Ave	1,752	No	63.26	19.04	50	Minor Arterial	$1,564,707	132.30
West Park Dr	Francis Rd	Francis Rd	1,567	No	119.30	12.20	0	Local	$1,167,342	131.50
Loraine St	Denson Ave	Middlebrook Pike	915	No	110.90	19.04	0	Local	$681,866	129.94
Morris Ave	Liberty St	Cora St	1,054	No	110.71	19.04	0	Local	$785,477	129.75
Sanderson Rd/Liberty St	Carnation Dr	Middlebrook Pike	5,520	Yes	79.42	19.66	25	Major Collector	$4,636,650	124.07
Walridge Rd	Walnoaks Rd	Pleasant Ridge Rd	1,485	No	110.73	12.40	0	Local	$1,106,577	123.12
Tiffany Rd	Raniance Dr	Merchant Dr	1,077	No	108.35	14.22	0	Local	$802,216	122.57
Raniance Dr	Tiffany Rd	Freedonia Rd	1,139	No	107.81	13.99	0	Local	$848,846	121.80
Hazelwood Rd	Westgate Dr	Ball Camp Pike	3,171	No	78.62	15.60	25	Minor Collector	$2,641,467	119.22
Sanderson Rd	Western Ave	Keith Ave	4,556	No	74.48	19.70	25	Major Collector	$3,826,641	119.18
Freedonia Rd	Treemont Dr	Merchant Dr	2,242	No	104.08	13.99	0	Local	$1,669,946	118.07
McPherson St	Sycamore Dr	Texas Ave	632	No	95.53	20.20	0	Local	$470,831	115.73
Pleasant Ridge Rd	Murray Dr	Crestpark Rd	2,049	No	52.21	12.12	50	Minor Arterial	$1,830,093	114.33
Francis Road	Helmbolt Rd	Tannahill Dr	1,826	Yes	48.31	15.60	50	Minor Arterial	$1,631,033	113.91
McClain Dr	Melstone Rd	Clinton Hwy	3,308	No	98.83	13.99	0	Local	$2,464,669	112.82
Sanderson Road	Pleasant Ridge Rd	Western Ave	1,676	Yes	66.00	19.04	25	Major Collector	$1,407,789	110.04
Lafayette Rd	Pleasant Ridge Rd	Walrock Ln	2,248	No	97.52	12.39	0	Local	$1,674,773	109.91
Wilkerson Rd	Capri Dr	Merchant Dr	1,581	No	70.42	13.67	25	Minor Collector	$1,316,913	109.09
Wil-Loyd Rd	Juniper Dr	Merchant Dr	2,768	No	94.74	14.02	0	Local	$2,062,475	108.76
Elderwood Rd	Myrtlewood Dr	Sanderson Rd	301	No	88.46	19.04	0	Local	$224,412	107.50
Old Weisgarber Rd	1320 Old Weisgarber Rd	Middlebrook Pike	519	No	62.96	19.04	25	Minor Collector	$432,268	107.00
Ed Shouse Dr	Western Ave	Middlebrook Pike	3,322	No	44.48	12.39	50	Major Arterial	$2,993,155	106.87
Pleasantwood Dr	Hazelwood Rd	Sprucewood Rd	1,059	No	91.02	15.60	0	Local	$788,770	106.62
Ed Shouse Dr	Western Ave	Middlebrook Pike	3,252	No	44.14	12.39	50	Major Arterial	$2,929,699	106.53
Ball Camp Pike	Bradshaw Rd	Hinton Dr	2,554	No	65.83	15.60	25	Major Collector	$2,145,558	106.43
Westgate Dr	Sisk Rd	Sprucewood Rd	982	No	90.16	15.60	0	Local	$731,853	105.76
Pleasant Ridge Rd	Murray Dr	Crestpark Rd	2,060	No	43.22	12.46	50	Minor Arterial	$1,839,591	105.68
Walpine Ln	Lafayette Rd	Northwest Greenway	1,547	No	91.00	13.42	0	Local	$1,152,179	104.43
Sullivan Road	Deerfield Rd	Gettysburg Rd	561	No	66.67	12.39	25	Minor Collector	$467,263	104.06
Sycamore Dr	Pleasant Ridge Rd	McPherson St	2,972	No	84.70	19.04	0	Local	$2,214,117	103.74
Ball Camp Pike	Hinton Dr	Western Ave	924	No	63.15	15.41	25	Major Collector	$776,403	103.57
Carnation Dr	Sanderson Rd	Dayton St	1,402	No	82.34	19.72	0	Local	$1,044,151	102.06
Sullivan Rd	Elm View Dr	Chestnut View Dr	1,351	No	64.77	12.22	25	Minor Collector	$1,125,230	101.98
Melstone Rd	Juniper Dr	Merchant Dr	2,770	No	86.15	13.99	0	Local	$2,063,349	100.14
Dick Lonas Rd	Avensong Ln	Remington Grove Ln	766	No	55.56	19.04	25	Minor Collector	$638,376	99.60

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Street	From	To	Length (ft)	Safety Review Needed	Demand Score	HealthEquity Score	Road Class Score	Roadway Class	Estimated Cost	Score
Canna Ave	Chillicothe St	Waverly St	1,048	No	78.91	19.72	0	Local	$780,690	98.63
Industrial Pkwy	W Industrial Pkwy	Western Ave	707	No	79.43	19.04	0	Local	$526,343	98.47
Industrial Pkwy	E Industrial Pkwy	Western Ave	718	No	79.41	19.04	0	Local	$534,669	98.45
Dayton St	Western Ave	Violet Ave	1,483	No	78.48	19.72	0	Local	$1,105,105	98.20
Primrose Ave	Chillicothe St	Piedmont St	353	No	77.45	19.72	0	Local	$262,752	97.17
Waverly St	Western Ave	Whedbee Dr	1,247	No	77.38	19.69	0	Local	$929,258	97.08
Ironwood Rd	Pleasantwood Dr	Cottonwood Dr	939	No	80.80	15.60	0	Local	$699,775	96.40
Myrtlewood Dr	Birchwood Rd	Elderwood Rd	693	No	76.39	19.04	0	Local	$515,919	95.43
Chillicothe St	Western Ave	Sanderson Rd	3,233	No	75.68	19.72	0	Local	$2,408,835	95.40
Whedbee Dr	Chillicothe St	Waverly St	1,047	No	75.01	19.72	0	Local	$780,303	94.73
Clifton Rd	Western Ave	Sanderson Rd	2,874	No	74.52	19.72	0	Local	$2,141,144	94.24
Pleasant Ridge Rd	Country Brook Ln	Murray Dr	567	No	30.79	12.24	50	Minor Arterial	$506,153	93.03
Pleasant Ridge Rd	City Limits	Wadsworth Dr	845	No	30.23	11.87	50	Minor Arterial	$755,023	92.10
Sprucewood Rd	Westgate Dr	Cottonwood Dr	1,336	No	76.25	15.60	0	Local	$995,618	91.85
Palmetto Rd	Royalview Rd	Crestfield Rd	802	No	54.17	12.39	25	Minor Collector	$667,843	91.56
Piedmont St	Whedbee Dr	Violet Ave	349	No	70.86	19.72	0	Local	$260,124	90.58
Treemont Dr	Clinton Hwy	Freedonia Rd	867	No	76.50	13.99	0	Local	$646,094	90.49
Burwood Rd	Pleasantwood Dr	Cottonwood Dr	845	No	74.31	15.60	0	Local	$629,518	89.91
Laramie Dr	Stoneleigh Rd	Melstone Rd	1,126	No	74.10	13.99	0	Local	$839,094	88.09
Vienna Dr	Montina Rd	Wilkerson Rd	1,377	No	74.20	13.30	0	Local	$1,025,923	87.50
Helmbolt Rd	Piney Grove Church Rd	Francis Rd	3,564	Yes	20.46	16.53	50	Minor Arterial	$3,182,842	86.99
Amherst Rd	John Ross Ct	Southfork Dr	2,496	No	23.81	12.84	50	Minor Arterial	$2,229,224	86.65
Lonas Spring Dr	Dowell Springs Blvd	Old Weisgarber Rd	946	No	66.67	19.04	0	Local	$704,950	85.71
Lonas Spring Dr	Dowell Springs Blvd	Old Weisgarber Rd	960	No	66.67	19.04	0	Local	$715,121	85.71
Helmbolt Rd	Piney Grove Church Rd	Francis Rd	3,530	No	18.76	16.93	50	Minor Arterial	$3,151,960	85.69
Violet Ave	Chillicothe St	Piedmont St	347	No	65.28	19.72	0	Local	$258,654	85.00
Myrtlewood Dr	Hazelwood Rd	Basswood Rd	1,045	No	68.17	15.60	0	Local	$778,246	83.77
Dodge Rd	Eddie Dr	Vienna Dr	1,372	No	69.48	13.30	0	Local	$1,022,231	82.78
Pleasant Ridge Rd	Existing Sidewalk E of Clay Top Ln	Merchant Dr	1,971	No	102.35	13.10	50	Minor Arterial	$1,760,379	82.73
Pleasant Ridge Rd	Rambling Rd	Sanderson Rd	2,110	No	96.61	18.66	50	Minor Arterial	$1,884,191	82.63
Mondale Rd	Bridge Garden Rd	Vienna Dr	1,541	No	68.39	13.30	0	Local	$1,148,261	81.69
Cottonwood Dr	140' North of Myrtlewood Dr	Basswood Rd	957	No	65.28	15.60	0	Local	$712,666	80.88
Montina Rd	Eddie Dr	Vienna Dr	1,307	No	67.13	13.30	0	Local	$973,538	80.43
Amherst Rd	John Ross Ct	Piney Grove Church Rd	4,528	No	16.91	12.84	50	Minor Arterial	$4,043,187	79.75
Eddie Dr	Montina Rd	Dodge Rd	278	No	65.28	13.30	0	Local	$206,996	78.58
Fillmore Ave	Glenn Ave	Mingle Ave	397	Yes	137.08	19.04	0	Local	$295,798	78.06
Fillmore Ave	Mingle Ave	McTeer St	927	No	134.32	19.04	0	Local	$690,563	76.68
Browning Ave	Loraine St	Glenn Ave	1,091	Yes	134.13	19.04	0	Local	$812,461	76.58
Piney Grove Church Rd	Bakertown Rd	Middlebrook Pike	9,550	Yes	38.02	12.46	25	Major Collector	$8,022,179	75.48
Silverwood Rd	Myrtlewood Dr	Thornwood Dr	1,081	No	59.34	15.60	0	Local	$805,213	74.94
Sandalwood Rd	Myrtlewood Dr	Thornwood Dr	839	No	59.17	15.60	0	Local	$624,953	74.77
Ramona Ave	Loraine St	Glenn Ave	953	No	129.10	19.04	0	Local	$710,095	74.07
Pleasant Ridge Rd	Crestpark Rd	Clay Top Ln	964	No	84.04	12.97	50	Minor Arterial	$861,215	73.51
Monterey Rd	Juniper Dr	Melstone Rd	1,113	No	58.27	13.99	0	Local	$829,312	72.26
Amherst Road	Southfork Dr	Piney Grove Church Rd	1,997	No	8.33	12.89	50	Minor Arterial	$1,783,439	71.22
Thornwood Dr	Hazelwood Rd	Basswood Rd	1,169	No	55.56	15.60	0	Local	$871,191	71.16
Basswood Rd	Myrtlewood Dr	Thornwood Dr	579	No	53.55	15.60	0	Local	$431,723	69.15
Juniper Dr	Monterey Rd	Blossom Rd	1,646	No	54.59	13.99	0	Local	$1,225,901	68.58
Piney Grove Church Rd	Amherst Rd	Helmbolt Rd	558	No	3.46	13.26	50	Minor Arterial	$497,986	66.72

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Street	From	To	Length (ft)	Safety Review Needed	Demand Score	HealthEquity Score	Road Class Score	Roadway Class	Estimated Cost	Score
Royalview Rd	Palmetto Rd	Deerfield Rd	1,322	No	54.17	12.39	0	Local	$985,167	66.56
Piney Grove Church Rd	Amherst Rd	Helmbolt Rd	539	No	3.17	13.32	50	Minor Arterial	$481,015	66.49
Deerfield Rd	Royalview Rd	Sullivan Rd	5,193	No	53.29	12.38	0	Local	$3,869,044	65.67
Callahan Dr	500 Callahan Dr (UPS driveway)	Central Avenue Pike	2,906	No	1.00	14.13	50	Minor Arterial	$2,594,941	65.13
Callahan Dr	Wilbanks Rd	Central Avenue Pike	2,109	No	0.17	13.29	50	Minor Arterial	$1,882,997	63.46
Crestfield Rd	Royalview Rd	Kenbrook Ln	5,145	No	48.17	12.36	0	Local	$3,833,159	60.53
Ball Camp Pike	Cummins Ln	Matlock Dr	843	No	23.07	11.24	25	Minor Collector	$702,382	59.31
Crestpark Rd	Warrenpark Ln	Pleasant Ridge Rd	2,693	No	45.16	13.30	0	Local	$2,006,111	58.46
Wilson Rd	2000 Wilson Rd	Ivory Gables Way	341	No	69.44	19.04	25	Major Collector	$286,712	56.74
Old Callahan Dr	Clinton Hwy	Callahan Dr	4,838	Yes	15.68	15.38	25	Major Collector	$4,063,561	56.06
Webster Groves Ln	Valley Park Ln	Middlebrook Pike	56	Yes	41.67	11.93	0	Local	$42,026	53.60
West Forest Blvd	North Forest Rd	West Cliff Dr	538	Yes	41.67	11.93	0	Local	$400,697	53.60
Midpark Road	Midpark Road Roundabout	Middlebrook Pike	3,033	No	16.43	11.28	25	Minor Collector	$2,526,700	52.71
Amherst Road	Cain Rd	Middlebrook Pike	8,758	No	8.77	16.14	25	Major Collector	$7,356,882	49.91
Henson Rd	Matlock Dr	Avery Woods Ln	1,947	No	12.50	12.11	25	Minor Collector	$1,622,045	49.61
Matlock Drive	Oakbank Ln	Mascarene Rd	430	No	12.50	11.80	25	Minor Collector	$358,165	49.30
Matlock Dr	McKamey Rd	Mascarene Rd	2,667	No	12.50	11.43	25	Minor Collector	$2,221,210	48.93
McKamey Road	Matlock Dr	Ball Camp Pike	1,932	No	12.50	11.24	25	Major Collector	$1,622,741	48.74
Royalview Rd	Crestfield Rd	Palmetto Rd	3,003	No	35.97	11.96	0	Local	$2,237,241	47.93
Francis Rd	Old Amherst Rd	Helmbolt Rd	2,312	No	25.11	18.51	0	Local	$1,722,598	43.62
McKamey Road	Carbury Rd	Cain Rd	1,418	No	2.83	12.17	25	Major Collector	$1,191,279	39.99
John May Dr	Western Ave	Western Ave	5,080	Yes	3.76	11.06	25	Minor Collector	$4,231,488	39.82
Mount Pleasant Rd	Pleasant Ridge Rd	Ridge Run Dr	232	No	22.22	13.30	0	Local	$173,020	35.52
Fleetwood Dr	Dewine Rd	Wenwood Dr	776	Yes	12.50	12.39	0	Local	$578,205	24.89
Lynnmont Rd	Matlock Dr	Leonie Ln	678	Yes	12.50	11.24	0	Local	$505,192	23.74
Waycross St	Denson Ave	Browning Ave	657	No	136.72	19.04	0	Local	$489,156	15.58
Larkwood Ln	Dawn St	McTeer St	737	No	131.51	19.04	0	Local	$549,085	15.06
Truman Ave	Dawn St	McTeer St	755	No	122.11	19.04	0	Local	$562,570	14.12

City Streets - Potential Corridor Improvement

Street	From	To	Length (ft)	Safety Review Needed	Demand Score	HealthEquity Score	Road Class Score	Roadway Class	Estimated Cost	Score
Pleasant Ridge Rd	Pleasant Trace Cir	Pleasant Trace Cir	63	Yes	123.31	16.74	50	Minor Arterial	$56,500	190.05
Pleasant Ridge Rd	Walridge Rd	Walridge Rd	54	No	118.06	12.83	50	Minor Arterial	$47,816	180.89
Francis Rd	Bearden Middle School	Stagecoach Trl	101	Yes	111.11	19.04	50	Minor Arterial	$90,257	180.15
Pleasant Ridge Rd	Merchant Dr	Walridge Rd	659	Yes	115.09	14.37	50	Minor Arterial	$588,449	179.46
Mingle Ave	Fillmore Ave	Ramona Ave	11	No	138.89	19.04	0	Local	$7,996	157.93
Piedmont St	Canna Ave	Carnation Dr	77	Yes	76.39	19.72	0	Local	$57,403	96.11
Callahan Dr	Wilbanks Rd	230' West of Wilbanks Rd	228	Yes	2.78	16.06	50	Minor Arterial	$203,751	68.84
McKamey Rd	Holiday Blvd	Matlock Dr	73	Yes	12.50	11.24	25	Major Collector	$61,621	48.74

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State Route - New Sidewalk

Street	From	To	Length (ft)	Safety Review Needed	Demand Score	HealthEquity Score	Road Class Score	Roadway Class	Estimated Cost	Score
Clinton Hwy	Callahan Dr	Harriett Pl	11,253	No	59.31	15.20	50	Major Arterial	$10,138,868	124.51
Clinton Highway	Callahan Dr	Merchant Dr	11,261	Yes	57.32	14.41	50	Major Arterial	$10,145,764	121.73
Middlebrook Pike	Sidewalk East of Dowell Spring	Sidewalk West of East Weisgar	1,652	No	49.61	17.04	50	Major Arterial	$1,488,171	116.65
Clinton Hwy	Old Callahan Dr	Schaad Rd	2,323	No	36.11	16.06	50	Major Arterial	$2,093,257	102.17
Clinton Hwy	Old Callahan Dr	Callahan Dr	2,212	No	36.11	16.06	50	Major Arterial	$1,993,133	102.17
Middlebrook Pike	Courtyard Way	Piney Grove Church Rd	9,580	No	35.62	10.13	50	Major Arterial	$8,631,994	95.75

State Route - Potential Corridor Improvement

Street	From	To	Length (ft)	Safety Review Needed	Demand Score	HealthEquity Score	Road Class Score	Roadway Class	Estimated Cost	Score
Middlebrook Pike	Mingle Ave	2700 Middlebrook Pike (Bus Stop)	75	No	150.00	19.04	50	Major Arterial	$67,837	219.04
Western Ave	Pleasant Ridge Rd	Dayton St	79	Yes	76.39	19.17	50	Major Arterial	$70,977	145.56
Western Ave	Shoppers Ln	Ed Shouse Dr	1,344	Yes	64.86	14.44	50	Major Arterial	$1,211,262	129.30
Western Ave	McKamey Rd	Matlock Dr	148	Yes	50.31	11.24	50	Major Arterial	$133,644	111.55

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CITY OF KNOXVILLE

Council District 4 Projects

City Streets - New Sidewalk

Street	From	To	Length (ft)	Safety Review Needed	Demand Score	HealthEquity Score	Road Class Score	Roadway Class	Estimated Cost	Score
Barton St	Edgewood Ave	Washington Pike	1,222	No	167.03	18.43	0	Local	$910,631	185.46
Lynnwood Dr	Glenhaven Rd	Essary Dr	2,121	Yes	167.69	12.84	0	Local	$1,580,147	180.53
Cecil Ave	Eighth Ave	1906 Cecil Ave	82	No	133.33	20.64	25	Major Collector	$68,868	178.97
Harvey St	E Oak Hill Ave	E Scott Ave	1,598	No	134.71	18.32	25	Minor Collector	$1,331,163	178.02
Fairview St	Edgewood Ave	Washington Pike	1,247	No	159.10	18.15	0	Local	$928,838	177.25
Glenhaven Rd	Garden Dr	Marion Dr	1,019	No	160.66	12.84	0	Local	$758,889	173.50
Lawson Avenue	Nadine St	Whittle Springs Rd	2,065	No	149.89	21.10	0	Local	$1,538,212	170.99
Marion Drive	Stanton Rd	Central High School	1,566	No	157.00	12.84	0	Local	$1,166,860	169.84
Montbelle Dr	Fountain City Elementary School	Oak Rd	203	No	154.20	14.91	0	Local	$151,454	169.11
Fremont Pl	E Woodland Ave	1520 Fremont Pl	1,434	No	149.44	19.50	0	Local	$1,068,011	168.94
Howard St	Washington Pike	McCroskey Ave	1,413	No	146.55	21.10	0	Local	$1,052,643	167.65
N Sixth St	Cecil Ave	Hoitt Ave	663	Yes	121.60	20.64	25	Minor Collector	$552,252	167.24
Nadine Street	Coker Ave	Cecil Ave	1,300	Yes	143.71	21.10	0	Local	$968,393	164.81
McCroskey Ave	N Sixth St	Nadine St	834	No	143.36	21.10	0	Local	$621,161	164.46
Church St	Fountain Rd	125' West of N Broadway	152	No	148.61	15.60	0	Local	$113,436	164.21
Fountain Rd	Church St	N Broadway	638	No	148.61	15.56	0	Local	$475,355	164.17
Valley View Drive	Whittle Springs Rd	White Oak Ln	2,253	Yes	122.37	16.60	25	Major Collector	$1,892,625	163.97
Garden Dr	Glenhaven Rd	Briercliff Rd	3,739	No	127.16	11.36	25	Minor Collector	$3,114,650	163.52
Fountain Rd	Dahlia Dr	5507 Fountain Rd	909	No	147.38	15.60	0	Local	$677,263	162.98
Newman Street	Washington Pike	Fine Ave	1,759	No	140.51	20.83	0	Local	$1,310,394	161.33
Jacksboro Pike	Nichols Dr	Essary Dr	785	No	123.29	12.84	25	Major Collector	$659,692	161.13
Fairmont Blvd	2527 Fairmont Blvd	Whittle Springs Rd	235	No	118.06	17.66	25	Major Collector	$197,128	160.72
Dahlia Dr	College Park Ln	Holbrook Dr	864	No	144.82	15.60	0	Local	$643,884	160.42
Radnor Rd	Renwood Dr	Holbrook Dr	338	No	144.59	15.60	0	Local	$251,963	160.19
Ocoee Trl	Fairmont Blvd	Edgewood Park	1,404	No	140.86	18.12	0	Local	$1,045,626	158.98
Chicago Ave	Nadine St	Newman St	1,169	No	137.60	21.10	0	Local	$870,853	158.70
Walker Boulevard	Northgate Terrace Recreation Center	Underwood Pl	632	No	115.03	17.66	25	Minor Collector	$526,801	157.69
Cedar Lane	Inskip Rd	N Broadway	7,936	Yes	92.59	14.79	50	Minor Arterial	$7,087,020	157.38
N Sixth St	McCroskey Ave	Cecil Ave	480	No	133.33	21.08	0	Local	$357,680	154.41
Nickerson Avenue	Dempster St	Bellevue St	2,269	No	134.38	18.12	0	Local	$1,690,741	152.50
Barton St	Fairmont Blvd	Edgewood Ave	1,697	No	133.13	18.12	0	Local	$1,264,434	151.25
Littlewood Ter	Dogwood Rd	N Broadway	725	No	88.89	12.25	50	Major Arterial	$653,154	151.14
N Cherry St	Cecil Ave	Hoitt Ave	664	No	84.95	15.78	50	Minor Arterial	$593,247	150.73
Rennoc Rd	Hillcrest Dr	Jacksboro Pike	2,310	No	112.51	12.77	25	Minor Collector	$1,924,184	150.28
Old Broadway	Walker Blvd	N Broadway	1,951	No	82.56	16.93	50	Minor Arterial	$1,741,871	149.48
Walker Blvd	Orlando St	N Broadway	963	No	105.58	17.68	25	Minor Collector	$801,929	148.26
Walker Blvd	Underwood Pl	N Broadway	3,151	No	105.58	17.68	25	Minor Collector	$2,624,657	148.26
Fremont Pl	Bluff Ave	Kenyon St	1,047	No	128.26	19.50	0	Local	$779,842	147.76
Upland Ave	Walker Blvd	Whittle Springs Rd	1,023	No	129.48	17.66	0	Local	$762,399	147.14
Millertown Pike	South Mall Rd	Washington Pike	3,330	No	79.63	16.97	50	Minor Arterial	$2,973,320	146.60
Millertown Pike	Washington Pike	South Mall Rd	3,264	Yes	79.51	16.97	50	Minor Arterial	$2,914,398	146.48
Monmouth St/Dempster St	Emoriland Blvd	Albert Ave	1,657	No	128.40	18.02	0	Local	$1,234,495	146.42
Lutrell St	Cecil Ave	Hoitt Ave	440	No	125.77	20.64	0	Local	$328,003	146.41
Eighth Ave	Cecil Ave	1809 Eighth Ave	644	No	123.82	20.64	0	Local	$479,829	144.46
Kingwood Rd	Dahlia Dr	Cedar Ln	2,236	No	128.48	15.60	0	Local	$1,666,052	144.08

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Street	From	To	Length (ft)	Safety Review Needed	Demand Score	HealthEquity Score	Road Class Score	Roadway Class	Estimated Cost	Score
Oak Rd	Ridgewood Rd	Montbelle Dr	1,221	No	127.92	14.91	0	Local	$909,293	142.83
Jacksboro Pike	N Broadway	Garden Dr	2,146	No	107.09	10.55	25	Major Collector	$1,802,524	142.64
Seventh Ave	Cecil Ave	Grainger Ave	1,339	Yes	121.95	20.67	0	Local	$997,899	142.62
Dahlia Drive	Fairhill Ln	Fountain Rd	232	Yes	126.39	15.60	0	Local	$172,661	141.99
N Cherry St	Cecil Ave	I-40 Ramp	2,551	No	76.19	15.33	50	Minor Arterial	$2,278,081	141.52
N Cherry Street	Hoitt Ave	Mitchell St	1,036	No	73.70	17.70	50	Minor Arterial	$924,868	141.40
Underwood Place	Walker Blvd	Whittle Springs Rd	858	No	123.15	17.66	0	Local	$639,135	140.81
Seymour Ave	Clearview St	Whittle Springs Rd	1,714	No	122.61	18.13	0	Local	$1,277,039	140.74
Hoitt Ave	N Sixth Ave	130' West of Eighth Ave	523	No	120.02	20.64	0	Local	$389,468	140.66
Flemming St	Fine Ave	Cecil Ave	266	No	119.52	21.10	0	Local	$198,539	140.62
Rim St	Fine Ave	Cecil Ave	309	No	119.44	21.07	0	Local	$230,239	140.51
Chicago Ave	Rim St	Brice St	739	No	118.22	21.10	0	Local	$550,684	139.32
Seymour Ave	Powers St	Clearview St	600	No	120.70	17.93	0	Local	$447,275	138.63
Washington Pike	Existing Sidewalk NE of Bridalwood Dr	Knox Ln	3,995	No	70.29	16.83	50	Minor Arterial	$3,567,893	137.11
Washington Pike	South Mall Rd	Millertown Pike	2,928	No	70.40	16.49	50	Minor Arterial	$2,614,288	136.89
Washington Pike	Centerline Dr	Millertown Pike	2,153	No	70.04	16.63	50	Minor Arterial	$1,922,312	136.67
Ninth Ave	Cecil Ave	1508 Ninth Ave	1,430	No	115.81	20.69	0	Local	$1,064,990	136.51
Doughty Dr	Staton Rd	Jacksboro Pike	1,129	No	123.73	12.64	0	Local	$841,096	136.37
Washington Pike	I-640 Ramp	Charlie Haun Dr	617	No	69.57	16.48	50	Minor Arterial	$551,155	136.04
Midlake Dr	Cedar Ln	Fountain Rd	2,632	No	119.87	15.46	0	Local	$1,960,734	135.33
Washington Pike	South Mall Rd	175' North of Centerline Dr	458	No	68.37	16.94	50	Minor Arterial	$408,685	135.31
Hoitt Ave	Lutrell St	N Sixth Ave	647	No	114.62	20.64	0	Local	$481,883	135.26
Brice St	Boxwood Ln	Cecil Ave	1,513	No	118.58	16.54	0	Local	$1,127,208	135.12
Belcourt Dr	Grove Dr	Gresham Rd	795	No	119.92	15.02	0	Local	$592,067	134.93
Edgewood Ave	Whittle Springs Rd	Maxwell St	2,043	No	114.95	19.95	0	Local	$1,522,204	134.90
North Hills Blvd	Washington Pike	Hardin Hill Rd	2,287	No	96.05	13.84	25	Minor Collector	$1,905,337	134.88
Gillespie Ave	Eighth Ave	Ninth Ave	353	No	113.89	20.64	0	Local	$263,291	134.53
Gresham Rd	Ballard Dr	Grove Dr	1,064	No	119.26	15.10	0	Local	$792,980	134.36
Washington Pike	Alice Bell Rd	Glendale Rd	4,328	No	67.79	16.33	50	Minor Arterial	$3,864,683	134.12
Adair Drive	N Broadway	Tazewell Pike	1,645	No	94.27	14.24	25	Major Collector	$1,381,982	133.51
Emoriland Blvd/Bellevue St	Whittle Springs Rd	Fairmont Blvd	1,270	No	115.52	17.66	0	Local	$946,474	133.18
Millertown Pike	Kinzel Way	North Mall Rd	425	No	67.18	14.42	50	Minor Arterial	$379,323	131.59
McMinn St	Cecil Ave	Hoitt Ave	708	No	110.40	20.65	0	Local	$527,474	131.05
McCroskey Ave	Rim St	Brice St	742	No	109.46	21.10	0	Local	$552,576	130.56
Washington Pike	Washington Pike	North Mall Rd	686	No	66.39	13.07	50	Minor Arterial	$612,566	129.46
Cedar Lane	Parkdale Rd	Montrose Rd	3,022	No	64.79	14.28	50	Minor Arterial	$2,698,762	129.07
Washington Pike	Bridalwood Dr	Glendale Rd	2,317	No	64.77	14.18	50	Minor Arterial	$2,069,399	128.95
Washington Pike	Greenway Dr	I-640 Ramp	667	No	65.46	13.07	50	Minor Arterial	$595,587	128.53
Rosebay Rd	Watauga Dr	Garden Dr	550	No	117.92	10.55	0	Local	$409,900	128.47
Valley View Drive	W.S. Middle	Old Valley View Dr	4,132	Yes	85.03	16.51	25	Major Collector	$3,471,253	126.54
Brown Ave	Eighth Ave	N Cherry St	3,087	No	104.95	20.39	0	Local	$2,299,975	125.34
Conner Drive	Rennoc Rd	Jacksboro Pike	2,126	No	112.43	12.73	0	Local	$1,583,665	125.16
Whittle Springs Rd	Cecil Ave	Hoitt Ave	707	No	104.26	20.64	0	Local	$526,621	124.90
Tillery St	Cecil Ave	Hoitt Ave	707	No	103.65	20.64	0	Local	$526,766	124.29
Luttrell Street	Lovenia Ave	100' South of Lovenia Ave	98	No	105.70	18.58	0	Local	$72,803	124.28
Boright Dr	220' West of Maxwell St	Maxwell St	223	No	104.15	19.95	0	Local	$165,826	124.10
Ault Rd	Robert Love Dr	Ollie Davis Dr	1,471	No	83.39	15.67	25	Major Collector	$1,235,368	124.07

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Street	From	To	Length (ft)	Safety Review Needed	Demand Score	HealthEquity Score	Road Class Score	Roadway Class	Estimated Cost	Score
Powers St	N Broadway	Walker Blvd	783	No	105.82	17.72	0	Local	$583,497	123.53
Armstrong Ave	1101 Armstrong Ave	E Baxter Ave	324	No	103.51	19.50	0	Local	$241,316	123.01
Fairmont Blvd	Whittle Springs Rd	Fairway Rd	4,554	Yes	80.07	17.85	25	Minor Collector	$3,793,306	122.91
Stewart St	Gill Ave	Bearden Pl	417	No	104.16	18.58	0	Local	$310,492	122.74
McMillan Street	E Scott Ave	E Oklahoma Ave	357	No	103.90	18.83	0	Local	$266,105	122.72
Cornelia Street	E Scott Ave	E Oklahoma Ave	355	No	102.78	19.50	0	Local	$264,629	122.28
Buffat Mill Rd	Whittle Springs Rd	Prosser Rd	6,542	No	82.54	14.67	25	Major Collector	$5,495,239	122.22
Lynnview Dr	Oakview Rd	Jacksboro Pike	941	No	109.49	12.60	0	Local	$701,035	122.09
Mineral Springs Ave	Whittle Springs Rd	Dead End	1,279	No	105.05	16.52	0	Local	$952,685	121.57
Bernard Ave	511 Bernard Ave	Lee St	327	No	77.10	18.58	25	Minor Collector	$272,445	120.68
Powers St	Fairmont Blvd	Seymour Ave	629	No	102.95	17.71	0	Local	$468,805	120.65
3rd Ave	N Central St	110' West of Lamar St	111	No	101.39	18.58	0	Local	$82,903	119.97
Flemming St	Cecil Ave	Hoitt Ave	708	No	99.31	20.64	0	Local	$527,367	119.95
Spring Hill Rd	Millertown Pike	Sinclair Dr	4,172	No	77.15	16.97	25	Minor Collector	$3,475,356	119.12
Buffat Mill Rd	Alice Bell Rd	Ault Rd	1,307	No	78.65	15.30	25	Major Collector	$1,098,165	118.95
Sandra Ave	Bellevue St	Shaw Dr	340	No	101.20	17.66	0	Local	$253,045	118.86
Woodrow Drive	N Broadway	Crawford Rd	1,173	No	105.92	12.84	0	Local	$874,208	118.76
Rifle Range Dr	Fountain City Rd	Mynatt Rd	4,440	No	62.18	6.19	50	Minor Arterial	$3,964,964	118.37
Crockett St	Cecil Ave	Hoitt Ave	705	No	97.37	20.64	0	Local	$525,222	118.01
Maxwell St	Fairmont Blvd	Washington Pike	2,323	No	97.91	19.80	0	Local	$1,730,938	117.72
Rifle Range Dr	Fountain City Rd	Grover Dr	4,413	No	60.41	7.05	50	Minor Arterial	$3,940,597	117.46
Hoitt Ave	Flemming St	N 9th St	96	Yes	96.61	20.64	0	Local	$71,681	117.25
W Scott Ave	Branner St	N Central St	402	Yes	98.36	18.58	0	Local	$299,791	116.94
Essary Drive	Jacksboro Pike	Briercliff Rd	2,384	No	80.82	11.11	25	Minor Collector	$1,986,150	116.92
Valley View Dr	Old Valley View Dr	Alice Bell Rd	3,263	Yes	75.62	15.91	25	Major Collector	$2,740,816	116.53
Branner St	E Woodland Ave	W Oklahoma Ave	892	No	97.75	18.58	0	Local	$664,192	116.33
Tulane Rd	Asheville Hwy	Holston Dr	1,054	No	104.36	11.93	0	Local	$785,017	116.29
Fenwood Dr	Sterling Rd	Radnor Rd	2,517	No	100.70	15.49	0	Local	$1,875,379	116.18
Miami St	Fairmont Blvd	Seymour Ave	693	No	97.87	17.66	0	Local	$516,093	115.53
E Woodland Ave	W Glenwood Ave	Kenyon St	368	No	159.13	19.50	50	Minor Arterial	$328,495	114.31
Mildred Dr	Pulaski Rd	Pulaski Rd	124	No	97.22	16.97	0	Local	$92,295	114.19
Pulaski Rd	Buffat Mill Rd	Mildred Dr	1,082	No	97.04	16.97	0	Local	$805,952	114.01
Cecil Ave	N Cherry St	North Park Blvd	3,083	No	73.74	13.87	25	Minor Collector	$2,567,727	112.61
Sanders Dr	N Broadway	Jacksboro Pike	1,526	No	98.39	13.49	0	Local	$1,136,618	111.89
Forestdale Ave	Maxwell St	Husky Way	740	Yes	91.52	19.95	0	Local	$551,358	111.47
Valley View Dr	130' East of Charlie Haun Dr	Washington Pike	905	No	69.90	16.19	25	Minor Collector	$753,960	111.09
Buffat Mill Rd	I-640	Prosser Rd	10,286	No	69.38	15.88	25	Major Collector	$8,640,496	110.26
Boright Dr	Whittle Springs Rd	Boright Pl	310	No	89.87	19.95	0	Local	$230,908	109.82
Fairway Rd	Forestdale Ave	Washington Pike	661	Yes	65.01	19.68	25	Minor Collector	$550,680	109.69
Aster Rd	Fenwood Dr	Midlake Dr	1,017	No	94.41	14.82	0	Local	$757,587	109.23
Hoitt Ave	Eighth Ave	N Cherry St	3,152	No	88.18	20.63	0	Local	$2,347,949	108.81
Grove Drive	Belcaro Dr	Edonia Dr	3,199	No	68.31	15.25	25	Minor Collector	$2,664,912	108.56
Loves Creek Rd	Buffat Mill Rd	McIntyre Rd	3,280	Yes	66.47	16.30	25	Major Collector	$2,755,105	107.78
Woodrush Dr	Jacksboro Pike	Robin Rd	747	No	96.01	11.01	0	Local	$556,535	107.02
Briercliff Rd	Garden Dr	Tazewell Pike	3,605	No	70.48	11.04	25	Minor Collector	$3,003,197	106.53
Washington Pike	Washington Pike	Murphy Rd	7,884	No	43.94	12.58	50	Minor Arterial	$7,040,533	106.52
Valley View Drive	Alice Bell Rd	Charlie Haun Dr	2,143	No	64.75	16.12	25	Major Collector	$1,800,197	105.87
Washington Pike	Washington Pike	Murphy Rd	7,913	No	43.67	11.92	50	Minor Arterial	$7,066,618	105.59

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Street	From	To	Length (ft)	Safety Review Needed	Demand Score	HealthEquity Score	Road Class Score	Roadway Class	Estimated Cost	Score
Pulaski Rd	Mildred Dr	Eagle Dr	778	No	88.25	16.97	0	Local	$579,367	105.22
Felix Rd	Tazewell Pike	Forestal Dr	619	No	89.62	13.75	0	Local	$461,011	103.37
Whittle Springs Rd	Mineral Springs Ave	Tecoma Dr	1,771	No	139.06	17.46	50	Minor Arterial	$1,581,564	103.26
Sparrow Dr	Ault Rd	Pulaski Rd	861	No	84.63	16.97	0	Local	$641,079	101.60
Oak Park Dr	Jacksboro Pike	Robin Rd	908	No	89.11	11.01	0	Local	$676,171	100.12
Dogwood Rd	Littlewood Ter	Ludo Rd	869	No	88.89	10.55	0	Local	$647,304	99.44
Alice Bell Rd	Washington Pike	Springdale Park	2,161	No	83.18	15.60	0	Local	$1,610,068	98.78
South Mall Rd	Washington Pike	Millertown Pike	4,011	No	56.80	16.97	25	Major Collector	$3,369,193	98.77
Woodhaven Dr	Mildred Dr	Ollie Davis Dr	1,633	No	79.78	16.97	0	Local	$1,216,938	96.75
North Mall Rd	Washington Pike	Washington Pike	5,020	No	57.61	13.09	25	Major Collector	$4,216,811	95.70
Hoitt Ave	Boone St	Crockett St	83	Yes	75.00	20.64	0	Local	$61,912	95.64
Whittle Springs Rd	Buffat Mill Rd	Cecil Ave	2,118	No	119.66	21.08	50	Minor Arterial	$1,891,186	95.37
Washington Pike	Maxwell St	Whittle Springs Rd	2,456	No	122.94	17.04	50	Minor Arterial	$2,193,577	94.99
Boright Dr	Maxwell St	View Rd	1,836	Yes	74.30	19.95	0	Local	$1,367,465	94.25
Whittle Springs Rd	Tecoma Dr	Edgewood Ave	2,863	No	117.24	18.62	50	Minor Arterial	$2,556,766	92.93
Mineral Springs Ave	N Broadway	Whittle Springs Rd	1,020	No	115.09	17.34	50	Minor Arterial	$910,955	91.22
Belvoir Avenue	Fairview St	Vincent St	851	No	164.01	18.12	0	Local	$634,085	91.06
Villa Rd	Garden Dr	Tazewell Pike	3,081	No	55.04	11.01	25	Minor Collector	$2,566,816	91.05
Forestal Dr	Smithwood Rd	Jacksboro Pike	2,358	No	75.16	14.45	0	Local	$1,756,695	89.61
Alice Bell Rd	Valley View Dr	3511 Alice Bell Rd	1,202	No	71.81	15.60	0	Local	$895,859	87.41
Grove Dr	Rifle Range Dr	Belcaro Dr	966	No	47.69	14.52	25	Minor Collector	$804,579	87.21
Greencrest Rd	Garden Dr	Greendale Dr	1,586	No	75.00	10.91	0	Local	$1,181,314	85.91
Adair Ave	Fairview St	Whittle Springs Rd	1,471	No	152.95	18.12	0	Local	$1,095,648	85.53
Kesterwood Dr	Jacksboro Pike	Tazewell Pike	2,387	No	74.14	11.01	0	Local	$1,778,306	85.15
Albert Ave	Dempster St	Barton St	547	No	151.69	18.12	0	Local	$407,487	84.90
Wedgewood Rd/ Sunset Rd	Skyline Dr	S Chilhowee Dr	7,621	No	71.96	12.34	0	Local	$5,677,801	84.29
Cross Valley Rd	Valley View Dr	Washington Pike	3,049	No	67.49	16.38	0	Local	$2,271,237	83.87
Fairmont Blvd	Fairway Rd	Cross Valley Rd	2,322	No	62.72	17.81	0	Local	$1,729,884	80.53
Montrose Rd	Howard Dr	Cedar Ln	570	No	65.85	13.96	0	Local	$424,715	79.80
Ridgecrest Drive	Martha Berry Dr	Medlin Heights Rd	3,824	No	64.77	14.18	0	Local	$2,848,907	78.95
Addison Dr	Mint Rd	Ena Rd	598	Yes	65.28	13.07	0	Local	$445,366	78.35
Prosser Road	Buffat Mill Rd	Knoxville Zoo Dr	5,159	No	37.81	15.06	25	Major Collector	$4,333,769	77.87
McIntyre Rd	Spring Hill Rd	Loves Creek Rd	3,395	No	60.80	16.89	0	Local	$2,529,099	77.69
Kinzel Way	Knoxville Center Dr	East of Millertown Pike	1,059	No	63.61	13.90	0	Local	$788,740	77.50
Holston Hills Road	Green Valley Dr	Riverside Dr	18,871	No	35.32	15.42	25	Minor Collector	$15,719,382	75.74
Knox Ln	Valley View Dr	Washington Pike	3,034	No	57.35	17.75	0	Local	$2,260,207	75.10
Washington Pike	Millertown Pike	Alice Bell Rd	2,435	No	82.12	16.44	50	Minor Arterial	$2,174,276	74.28
Shannondale Road	Barbara Dr	Oriole Dr	2,362	No	63.06	10.61	0	Local	$1,759,858	73.67
Greenway Drive	Washington Pike	Beverly Rd	5,032	Yes	35.21	13.25	25	Major Collector	$4,226,568	73.46
E Oklahoma Ave	W Glenwood Ave	Harvey St	283	No	127.10	19.50	0	Local	$210,465	73.30
Smithwood Rd	Tazewell Pike	Forestal Dr	671	No	57.85	14.45	0	Local	$500,052	72.30
Harvey St	E Scott Ave	E Oklahoma Ave	424	No	122.06	19.50	0	Local	$315,650	70.78
Playground Rd	Holston-Chilhowee Ballfields	Holston Dr	366	No	58.33	11.93	0	Local	$272,786	70.26
Howard Dr	Lynnette Rd	Montrose Rd	810	No	55.56	13.76	0	Local	$603,636	69.32
N Fourth Avenue	Grainger Ave	Pratt St	734	No	110.51	20.64	0	Local	$547,026	65.58
S Chilhowee Dr	Wyndcroft Dr	Holston Hills Rd	354	No	28.17	11.93	25	Minor Collector	$294,830	65.10
Fulton Dr	Villa Rd	Shannondale Rd	1,787	Yes	52.75	10.55	0	Local	$1,331,646	63.30

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Street	From	To	Length (ft)	Safety Review Needed	Demand Score	HealthEquity Score	Road Class Score	Roadway Class	Estimated Cost	Score
Ridgecrest Drive	Parkdale Rd	Martha Berry Dr	1,782	No	48.83	13.76	0	Local	$1,327,439	62.59
Martha Berry Road	Grove Dr	Ridgecrest Dr	2,636	No	45.83	13.76	0	Local	$1,963,774	59.59
Wyndcroft Dr	Green Valley Dr	S Chilhowee Dr	1,007	No	40.67	11.93	0	Local	$750,068	52.60
Green Valley Drive	S Chilhowee Dr	East Sunset Rd	7,535	No	25.81	11.93	0	Local	$5,613,933	37.74
Cabin Road	Oakland Dr	Dead End	1,121	No	19.72	14.45	0	Local	$835,012	34.17
Oakland Dr	Tazewell Pike	Beverly Rd	3,642	No	19.58	14.45	0	Local	$2,713,574	34.03
Crestwood Drive	Holston Hills Rd	Green Valley Dr	6,026	No	17.04	11.93	0	Local	$4,489,451	28.97
Folsom Ave	Bluff Ave	E Woodland Ave	361	Yes	171.62	19.50	0	Local	$268,578	19.11
Glenview Dr	Hutchinson Ave	Branson Ave	319	No	168.06	18.12	0	Local	$237,479	18.62
Rogers St	Washington Pike	Coker Ave	615	No	161.73	21.10	0	Local	$457,883	18.28
Ross St	Washington Pike	Coker Ave	621	No	150.00	21.10	0	Local	$462,285	17.11
McMillan St	E Woodland Ave	E Scott Ave	420	No	95.37	18.88	0	Local	$313,103	11.43

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City Streets - Potential Corridor Improvements

Street	From	To	Length (ft)	Safety Review Needed	Demand Score	HealthEquity Score	Road Class Score	Roadway Class	Estimated Cost	Score
Hotel Rd	Evergreen Dr	N Broadway	113	Yes	160.35	14.91	25	Minor Collector	$94,014	200.26
Whittle Springs Rd	Coker Ave	2323 Whittle Springs Rd	66	Yes	125.00	21.10	50	Minor Arterial	$58,697	196.10
Coker Ave	Rogers St	Rogers St	139	Yes	158.33	21.10	0	Local	$103,552	179.43
McCroskey Ave	Whittle Springs Rd	Whittle Springs Rd	40	Yes	106.94	21.10	50	Minor Arterial	$35,989	178.04
N Central St	E Anderson Ave	E Baxter Ave	44	No	108.33	18.58	50	Minor Arterial	$39,084	176.91
Holbrook Dr	Hotel Rd	Fountain Rd	204	Yes	158.33	15.60	0	Local	$152,259	173.93
Tazewell Pike	Jacksboro Pike	Felix Rd	99	Yes	110.84	11.01	50	Minor Arterial	$88,737	171.85
N Central St	E 5th Ave	E 4th Ave	76	Yes	98.61	18.58	50	Minor Arterial	$67,966	167.19
N Central St	E Woodland Ave	W Woodland Ave	108	Yes	95.83	18.51	50	Minor Arterial	$96,716	164.34
Gill Ave	N Broadway	Irwin St	62	Yes	87.50	18.58	50	Major Arterial	$55,571	156.08
Jacksboro Pike	Elmwood Dr	Rennoc Rd	135	Yes	115.28	11.01	25	Major Collector	$113,722	151.29
Jacksboro Pike	Garden Dr	Grove Cir	13	No	112.32	12.84	25	Major Collector	$10,890	150.16
Washington Pike	Atoka Ln	Alice Bell Rd	176	Yes	83.42	14.22	50	Minor Arterial	$156,927	147.64
E Magnolia Ave	Morgan St	N Hall of Fame Dr	136	Yes	100.68	21.33	25	Minor Collector	$113,145	147.01
N Sixth Ave	1115 N Sixth Ave	Abilene Pl	33	No	94.44	21.33	25	Minor Collector	$27,675	140.77
N Sixth Ave	McKenzie Pl	Abilene Pl	251	No	94.44	21.33	25	Minor Collector	$208,920	140.77
N Sixth Ave	Sidewalk	McKenzie Pl	130	No	94.44	21.33	25	Minor Collector	$108,614	140.77
Fairmont Blvd	Miami St	Clearview St	98	Yes	93.06	17.66	25	Major Collector	$82,235	135.72
Millertown Pike	Kinzel Way	North Mall Rd	109	Yes	69.44	13.07	50	Minor Arterial	$97,580	132.51
Gill Ave	Irwin St	N Broadway	44	Yes	108.33	18.58	0	Local	$32,517	126.91
Boright Dr	Brunswick St	Boright Pl	81	Yes	105.25	19.95	0	Local	$60,435	125.20
Overton Pl	Luttrell St	N 4th Ave	78	Yes	102.78	20.64	0	Local	$58,096	123.42
Millertown Pike	Loves Creek Rd	Kinzel Way	770	Yes	57.19	15.82	50	Minor Arterial	$687,596	123.01
Caswell Ave	Folsom Ave	N Broadway	109	Yes	93.06	19.50	0	Local	$81,522	112.56

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State Route - New Sidewalk

Street	From	To	Length (ft)	Safety Review Needed	Demand Score	HealthEquity Score	Road Class Score	Roadway Class	Estimated Cost	Score
N Broadway	5352 N Broadway	150' South of Essary Dr	1,068	No	152.05	13.47	50	Major Arterial	$962,512	215.53
N Broadway	5208 N Broadway	Gibbs Dr	307	No	141.05	12.84	50	Major Arterial	$276,728	203.89
N Broadway	Colonial Cir	Old Broadway	5,365	Yes	123.35	14.62	50	Major Arterial	$4,834,253	187.97
N Hall of Fame Dr	N Broadway	N 4th Ave	3,181	No	107.40	20.05	50	Minor Arterial	$2,840,342	177.45
N Hall of Fame Dr	N Broadway	N 6th Ave	2,907	No	103.70	20.35	50	Minor Arterial	$2,596,287	174.05
N Broadway	Highland Dr	Adair Dr	1,897	No	104.74	14.15	50	Major Arterial	$1,708,886	168.89
N Broadway	Hillcrest Dr	Mineral Springs Ave	6,636	No	91.66	14.68	50	Major Arterial	$5,978,819	156.34
N Broadway	Jacksboro Pike	Old Broadway	1,162	No	91.97	12.59	50	Major Arterial	$1,047,295	154.56
Asheville Hwy	Nokomis Rd	5423 Asheville Hwy	460	No	84.65	19.19	50	Major Arterial	$414,600	153.84
N Broadway	Black Oak Ridge Ln	Eldridge Rd	2,528	No	88.36	14.17	50	Major Arterial	$2,277,582	152.54
N Broadway	Old Broadway	S of Old Broadway	3,770	No	85.64	15.49	50	Major Arterial	$3,396,896	151.13
N Broadway	Black Oak Ridge Ln	Jacksboro Pike	1,412	No	84.72	12.36	50	Major Arterial	$1,271,843	147.09
Tazewell Pike	Jacksboro Pike	Old Broadway	2,300	No	77.62	14.31	50	Minor Arterial	$2,053,806	141.93
Tazewell Pike	Jacksboro Pike	Greenway Dr	2,783	No	75.94	14.05	50	Minor Arterial	$2,485,227	139.99
Rutledge Pike	I-40 Ramp	N Chilhowee Dr	5,026	No	61.17	16.92	50	Major Arterial	$4,528,757	128.09
Rutledge Pike	Ault Rd	Loves Creek Rd	5,030	No	61.10	16.93	50	Major Arterial	$4,532,354	128.04
Tazewell Pike	Beverly Rd	Jacksboro Pike	3,526	No	57.08	12.52	50	Minor Arterial	$3,148,419	119.61
Asheville Hwy	I-40 Ramp	River Turn Rd	5,458	No	48.94	14.67	50	Major Arterial	$4,917,374	113.61
Asheville Hwy	I-40 Ramp	E Governor John Sevier Hwy	5,452	No	50.04	13.36	50	Major Arterial	$4,911,974	113.39
Tazewell Pike	Luttrell Rd	Briercliff Rd	13,544	No	45.93	11.83	50	Minor Arterial	$12,095,072	107.76
Tazewell Pike	Luttrell Rd	Beverly Rd	14,942	No	44.86	12.16	50	Minor Arterial	$13,342,800	107.02
Tazewell Pike	Briercliff Rd	Kesterwood Dr	1,854	No	42.58	11.78	50	Minor Arterial	$1,655,860	104.36
Maynardville Pike	City Limits	Black Oak Ridge Ln	4,048	No	43.37	8.59	50	Major Arterial	$3,646,941	101.96
Maynardville Pike	City Limits	Black Oak Ridge Ln	4,026	No	41.49	8.32	50	Major Arterial	$3,627,256	99.81
Rutledge Pike	Loves Creek Rd	Ellistown Rd	21,790	No	22.43	16.08	50	Major Arterial	$19,632,647	88.50
Rutledge Pike	Loves Creek Rd	Ellistown Rd	21,728	No	22.47	16.02	50	Major Arterial	$19,576,793	88.49
Asheville Hwy	E Governor John Sevier Hwy	City Limits	15,683	No	5.47	11.30	50	Major Arterial	$14,130,624	66.77
Asheville Hwy	River Turn Rd	City Limits	15,698	No	4.48	11.33	50	Major Arterial	$14,144,225	65.81

State Route - Potential Corridor Improvements

Street	From	To	Length (ft)	Safety Review Needed	Demand Score	HealthEquity Score	Road Class Score	Roadway Class	Estimated Cost	Score
N Broadway	Coker Ave	E Woodland Ave	49	Yes	158.33	21.10	50	Major Arterial	$44,141	229.43
N Broadway	Coker Ave	E Woodland Ave	39	Yes	158.33	21.10	50	Major Arterial	$35,378	229.43
N Broadway	Chickamauga Ave	Atlantic Ave	414	Yes	161.21	17.89	50	Major Arterial	$373,004	229.09
N Broadway	Chickamauga Ave	Chickamauga Ave	62	Yes	159.72	18.81	50	Major Arterial	$55,680	228.53
N Broadway	Chicago Ave	McCroskey Ave	438	Yes	150.00	19.84	50	Major Arterial	$394,530	219.84
N Broadway	Church St	Essary Dr	20	No	151.39	13.23	50	Major Arterial	$18,384	214.62
N Broadway	Hotel Rd	Church St	13	No	151.39	12.84	50	Major Arterial	$11,401	214.23
N Broadway	Cecil Ave	1912 N Broadway (First Creek Greenway)	172	Yes	141.13	21.01	50	Major Arterial	$155,185	212.14
N Broadway	Bluff Ave	Grainger Ave	438	Yes	133.42	20.10	50	Major Arterial	$394,528	203.52
Asheville Hwy	S Chilhowee Dr	Iroquois Rd	95	Yes	126.17	11.93	50	Major Arterial	$85,182	188.10
N Broadway	Wells Ave (Bus Stop)	Wells Ave	68	Yes	113.89	19.50	50	Major Arterial	$61,536	183.39
N Broadway	4434 N Broadway (Bus Stop)	4434 N Broadway	179	Yes	106.94	17.66	50	Major Arterial	$161,002	174.60
N Broadway	Karnes Ave	Buchanan Ave	356	Yes	98.61	18.40	50	Major Arterial	$320,766	167.01
N Broadway	West Glenwood Ave (Bus Stop)	West Glenwood Ave	41	No	122.22	19.50	25	Minor Collector	$33,867	166.72

CITY OF KNOXVILLE

Council District 5 Projects

City Streets - New Sidewalk

Street	From	To	Length (ft)	Safety Review Needed	Demand Score	HealthEquity Score	Road Class Score	Roadway Class	Estimated Cost	Score
E Columbia Ave/Ledgerwood Ave	Harvey St	Paige St	2,511	No	176.60	17.66	0	Local	$1,870,461	194.26
Henegar St	Banks Ave	Shamrock Ave	394	No	175.00	17.66	0	Local	$293,744	192.66
Huron St	Oglewood Ave	E Woodland Ave	2,067	Yes	173.35	17.74	0	Local	$1,539,625	191.09
Henegar St	Atlantic Ave	Ledgerwood Ave	2,420	Yes	172.47	17.66	0	Local	$1,802,814	190.13
Atlantic Ave	Pershing St	N Broadway	3,423	No	146.41	17.67	25	Major Collector	$2,875,582	189.08
Harvey St	Oglewood Ave	E Oak Hill Ave	993	No	145.42	17.66	25	Minor Collector	$827,297	188.08
Central Avenue Pike	Shasta Sr	E Inskip Dr	1,202	No	115.34	16.97	50	Minor Arterial	$1,073,089	182.31
Central Avenue Pike	E Inskip Dr	Woodlawn Dr	1,988	No	114.73	16.97	50	Minor Arterial	$1,774,993	181.70
Texas Ave	Burnside St	Bragg St	288	No	130.41	22.71	25	Major Collector	$242,119	178.12
Dutch Valley Dr	Central Avenue Pike	Bruhin Rd	1,034	No	110.76	16.88	50	Minor Arterial	$923,084	177.64
Huron Street	Maynard Ave	Shamrock Ave	1,451	No	157.48	17.66	0	Local	$1,080,723	175.14
Banks Avenue	Pershing St	Henegar St	1,971	No	156.46	17.66	0	Local	$1,468,435	174.12
Dutch Valley Dr	Central Avenue Pike	Bruhin Rd	972	No	107.20	16.86	50	Minor Arterial	$868,099	174.06
Kenyon Street	Radford Pl	Shamrock Ave	678	No	155.56	17.66	0	Local	$504,808	173.22
Merchant Dr	904 Merchant Dr	801 Merchant Dr	521	No	101.64	20.64	50	Minor Arterial	$465,388	172.28
Knox Rd	Cedar Ln	Maple Dr	534	No	131.67	15.14	25	Minor Collector	$444,505	171.81
Louisiana Ave	1211 Louisiana Ave	Johnson St	467	No	147.34	22.71	0	Local	$347,647	170.05
Merchant Dr	Family Inn Dr	Schubert Rd	823	Yes	100.00	17.76	50	Minor Arterial	$735,014	167.76
W Glenwood Ave	Atlantic Ave	Shamrock Ave	1,095	No	149.82	17.66	0	Local	$815,580	167.48
Pershing/Shamrock	E Morelia Ave	Kenyon St	1,153	No	149.49	17.66	0	Local	$858,835	167.15
Pershing St	Atlantic Ave	Radford Pl	410	No	124.03	17.61	25	Minor Collector	$341,555	166.64
E Oldham Ave	W Glenwood Ave	Huron St	724	No	148.87	17.66	0	Local	$539,012	166.53
Inskip Drive	Central Ave Pike	Maple Rd	3,319	No	122.72	16.88	25	Major Collector	$2,788,130	164.61
E Emerald Ave	Harvey St	Kenyon St	605	No	146.86	17.66	0	Local	$450,466	164.52
Merchant Dr	Family Inn Dr	250' West of Central Avenue Pike	1,168	No	96.71	17.80	50	Minor Arterial	$1,043,227	164.51
Merchant Dr	Schubert Rd	737 Merchant Dr	679	No	95.86	17.09	50	Minor Arterial	$606,619	162.94
Central Avenue Pike	Woodlawn Dr	Dutch Valley Dr	1,906	No	95.32	16.97	50	Minor Arterial	$1,701,959	162.29
New York Ave	Stonewall St	Bragg St	363	No	138.89	22.71	0	Local	$270,724	161.60
Merchant Dr	Merchant Center Blvd	250' West of Central Avenue Pike	1,218	No	95.44	16.12	50	Minor Arterial	$1,087,962	161.55
Bruhin Rd	Dutch Valley Dr	Chickamauga Ave	4,298	No	91.94	19.40	50	Minor Arterial	$3,838,121	161.34
E Columbia Ave	Harvey St	415 E Columbia Ave	592	No	143.43	17.66	0	Local	$441,323	161.09
Minnesota Ave	Stonewall St	Burnside St	1,087	No	137.62	22.71	0	Local	$810,144	160.33
Central Avenue Pike	Tillery Rd	Dutch Valley Dr	1,961	No	92.86	16.97	50	Minor Arterial	$1,751,523	159.83
E Columbia Avenue	Harvey St	410 E Columbia Ave	338	No	141.62	17.66	0	Local	$251,847	159.28
Bruhin Rd	Breda Dr	Chickamauga Ave	3,526	No	87.97	20.56	50	Minor Arterial	$3,149,164	158.53
Coster Rd	E Inskip Dr	Dutch Valley Dr	3,425	No	115.41	16.97	25	Minor Collector	$2,852,641	157.38
N Central St	Coram St	2814 N Central St	454	No	89.43	17.43	50	Minor Arterial	$405,836	156.86
Tillery Rd	Merchant Dr	Tillery Square Ln	1,223	Yes	113.03	17.34	25	Minor Collector	$1,018,987	155.37
Bruhin Rd	Nerva Rd	Bruhin Rd (Bus Stop)	273	No	83.46	20.69	50	Minor Arterial	$243,979	154.15
E Inskip Drive	Bruhin Rd	High School Rd	2,349	Yes	112.11	16.57	25	Major Collector	$1,972,938	153.68
Chickamauga Avenue (east)	Kenyon St	N Broadway	2,431	Yes	135.02	18.51	0	Local	$1,811,341	153.53
Burnside St	Texas Ave	Minnesota Ave	305	No	130.22	22.71	0	Local	$227,032	152.93
Chickamauga Ave	Huron St	Oswald St	609	No	133.02	18.37	0	Local	$453,854	151.39
Texas Avenue	O'Neal St	Burnside St	636	Yes	103.53	22.71	25	Major Collector	$534,326	151.24
Texas Ave	Heiskell Ave	Burnside St	1,012	Yes	103.06	22.71	25	Major Collector	$850,153	150.77
Cedar ln	Inskip Rd	Haynes-Sterchi Rd	3,560	Yes	85.94	14.82	50	Minor Arterial	$3,179,010	150.76
Hiawassee Ave	Oswald St	N Broadway	1,078	No	131.29	18.74	0	Local	$802,814	150.03
Bruhin Road	Broadview Dr	Dutch Valley Dr	1,185	Yes	108.43	15.83	25	Major Collector	$995,138	149.26
Cedar Ln	Parkdale Rd	Haynes-Sterchi Rd	3,528	No	84.40	14.41	50	Minor Arterial	$3,150,553	148.81
Maynard Ave	Kenyon St	Huron St	459	No	130.56	17.66	0	Local	$342,183	148.22
Kenyon St	Chickamauga Ave	Radford Pl	1,115	No	130.56	17.66	0	Local	$830,513	148.22
Maple Dr	2530 Maple Dr (KAT bus stop)	Knox Rd	159	No	130.56	15.14	0	Local	$118,236	145.70

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Street	From	To	Length (ft)	Safety Review Needed	Demand Score	HealthEquity Score	Road Class Score	Roadway Class	Estimated Cost	Score
Maynard Ave	940 Maynard Ave	Oswald St	262	No	127.78	17.66	0	Local	$194,966	145.44
Oswald St	Chickamauga Ave	Atlantic Ave	774	No	127.78	17.66	0	Local	$576,614	145.44
Gladstone St	Watauga Ave	Chickamauga Ave	671	No	124.24	18.81	0	Local	$499,671	143.05
Hutton Rd	Mitchell Dr	Glenoaks Dr	595	No	125.95	16.97	0	Local	$443,408	142.92
Atlantic Ave (west)	N Central St	Pershing St	3,530	Yes	99.10	18.75	25	Major Collector	$2,965,596	142.85
Mitchell Dr	High School Rd	Glenoaks Dr	1,426	No	124.23	16.97	0	Local	$1,062,365	141.20
Rector St	Minnesota Ave	Delaware Ave	676	No	118.03	22.71	0	Local	$503,629	140.74
Burnside St	Tennessee Ave	Massachusetts Ave	274	No	116.67	23.85	0	Local	$204,134	140.52
Sunny Ln	Bay St	Pleasant Ridge Rd	295	No	122.45	16.74	0	Local	$219,769	139.19
Hancock St	E Morelia Ave	Oglewood Ave	1,629	No	121.37	17.43	0	Local	$1,213,730	138.80
Dutch Valley Dr	Bruhin Rd	Old Broadway	10,238	No	72.68	15.98	50	Minor Arterial	$9,142,557	138.66
Dutch Valley Dr	Bruhin Rd	Old Broadway	10,146	No	72.42	16.05	50	Minor Arterial	$9,059,977	138.47
W Inskip Drive	Schubert Rd	Central Ave Pike	1,684	Yes	93.70	19.60	25	Major Collector	$1,414,460	138.30
Ho-Co-Ta-Ke Ln	Bay St	Pleasant Ridge Rd	489	No	120.58	16.74	0	Local	$364,105	137.32
High School Rd	Glenoaks Dr	Hayes Rd	707	No	119.44	16.97	0	Local	$526,673	136.41
Vermont Ave	Lonsdale Pike	1524 Vermont Ave	1,555	No	111.72	23.85	0	Local	$1,158,226	135.57
High School Rd	Inskip Elementary School	Mitchell Dr	247	No	118.06	16.97	0	Local	$183,858	135.03
E Quincy Ave	N Central St	115 E Quincy Ave	152	No	92.02	17.43	25	Minor Collector	$126,353	134.45
Cornelia St	E Caldwell Ave	E Columbia Ave	848	No	116.47	17.47	0	Local	$631,539	133.94
Schubert Rd	Merchant Dr	Tillery Dr	4,541	No	87.40	20.64	25	Minor Collector	$3,782,515	133.04
Grace St	Pembroke Ave	Raleigh Ave	637	No	114.17	18.81	0	Local	$474,773	132.98
Cedar Ln	Haynes-Sterchi Rd	Fennel Rd	1,506	No	68.39	14.04	50	Minor Arterial	$1,344,653	132.43
Oswald St	Raleigh Ave	Chickamauga Ave	1,547	No	113.13	18.78	0	Local	$1,152,454	131.91
Hayes Rd	Glenoaks Dr	Broadview Dr	794	No	114.68	16.97	0	Local	$591,561	131.65
Tillery Dr	116 Tillery Dr	Clinton Hwy	1,288	No	84.70	20.64	25	Major Collector	$1,081,593	130.34
Broadview Dr	Coster Rd	Bruhin Rd	1,374	No	113.32	16.86	0	Local	$1,023,912	130.19
Highland Drive	Inskip Rd	N Broadway	8,300	Yes	89.82	15.12	25	Minor Collector	$6,913,997	129.93
Freemason St	130' South of Byrd Ave	Watauga Ave	248	No	111.11	18.81	0	Local	$184,829	129.92
Oswald St	Fairfax Ave	Raleigh Ave	308	No	111.11	18.81	0	Local	$229,523	129.92
Hiawassee Ave	McMurray St	Chickamauga Ave	2,176	No	110.95	18.81	0	Local	$1,621,282	129.76
Maryland Ave	Lonsdale Pike	1509 Maryland Ave	1,102	No	105.56	23.85	0	Local	$820,619	129.41
Glenoaks Dr	Coster Rd	Bruhin Rd	2,779	No	112.28	16.93	0	Local	$2,070,421	129.21
Alabama Avenue	Sheridan St	Johnston St	400	No	105.56	22.71	0	Local	$297,963	128.27
Central Avenue Pike	Dry Gap Pike	Existing Sidewalk W of Cedar Ln	2,269	No	65.54	12.61	50	Minor Arterial	$2,025,867	128.15
McMillan St	150' East of E Churchwell Ave	E Oak Ave	169	No	110.29	17.66	0	Local	$126,214	127.95
Byrd Ave	Farragut Ave	Forsythe St	687	No	108.33	18.92	0	Local	$511,600	127.26
Hanover St	Farragut Ave	Hiawassee Ave	702	No	107.36	19.36	0	Local	$523,097	126.72
Ohio Avenue	Stonewall St	O'Neal St	1,658	No	102.77	22.71	0	Local	$1,235,382	125.48
W Inskip Drive	Schubert Rd	Inskip Norwood Rec Center	489	Yes	78.70	20.64	25	Major Collector	$410,942	124.34
McMillian St	E Columbia Ave	E Oldham Ave	1,385	No	106.50	17.66	0	Local	$1,032,081	124.16
Upchurch Rd	E Inskip Dr	Glenoaks Dr	1,302	No	107.05	16.97	0	Local	$969,992	124.02
Cornelia St	2400 Cornelia St	E Springdale Ave	158	No	106.47	17.43	0	Local	$117,907	123.90
Heiskell Ave	Huray Ln	N Central St	741	Yes	80.04	18.33	25	Major Collector	$622,682	123.37
Bay St	Ho-Co-Ta-Ke Ln	Sunny Ln	1,150	No	106.21	16.74	0	Local	$856,534	122.95
Forsythe St	Fairfax Ave	Byrd Ave	1,432	No	103.39	18.81	0	Local	$1,066,719	122.20
Watauga Ave	McMurray St	Freemason St	2,620	No	101.36	19.15	0	Local	$1,951,803	120.52
Ambrose St	Galbraith St	Johnson St	293	No	97.22	22.71	0	Local	$218,623	119.93
Connecticut Ave	1003 Connecticut Ave	Sheridan St	109	No	97.22	22.71	0	Local	$81,374	119.93
Delaware Ave	1007 Delaware Ave	Sheridan St	255	No	96.89	22.71	0	Local	$190,086	119.60
Inskip Rd	Gregory Oaks Ln	Southpark Cir	316	Yes	79.08	15.14	25	Major Collector	$265,682	119.22
Westover Ave	Farragut Ave	Forsythe St	613	No	100.26	18.81	0	Local	$456,950	119.07
Grove St	Watauga Ave	Chickamauga Ave	672	No	100.00	18.81	0	Local	$500,972	118.81
Plummer Rd	Adair Dr	Dutch Valley Dr	2,566	No	77.86	15.83	25	Minor Collector	$2,137,421	118.69

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Street	From	To	Length (ft)	Safety Review Needed	Demand Score	HealthEquity Score	Road Class Score	Roadway Class	Estimated Cost	Score
Bradshaw Garden Drive	Clinton Hwy	Pleasant Ridge Rd	6,616	No	76.12	17.51	25	Major Collector	$5,557,806	118.63
Rowan Rd	Tillman Rd	E Inskip Dr	3,797	No	78.31	15.31	25	Minor Collector	$3,163,096	118.62
Cedar Ave	Bruhin Rd	444 Cedar Ave	2,924	No	98.76	18.81	0	Local	$2,178,020	117.57
Sunny Ln	Moss Dr	Bay St	1,464	Yes	100.77	16.74	0	Local	$1,090,801	117.51
Felts St	3200 Felts St	Cedar Ave	146	No	98.61	18.81	0	Local	$109,042	117.42
Pembroke Ave	Grace St	1316 Pembroke Ave	256	No	98.54	18.81	0	Local	$190,357	117.35
E Woodland Ave	114 E Woodland Ave	200 E Woodland Ave	373	No	99.09	17.85	0	Local	$278,051	116.94
Clinton Plaza Dr	Merchant Dr	Kermit Dr	176	Yes	95.83	20.64	0	Local	$130,888	116.47
Fairfax Ave	Freemason St	Oswald St	572	No	97.30	18.81	0	Local	$425,989	116.11
Katherine Ave	1025 Katherine Ave	Sheridan St	311	No	93.27	22.71	0	Local	$231,715	115.98
McMurray St	Watauga Ave	Chickamauga Ave	659	No	96.55	19.31	0	Local	$491,203	115.86
Sheridan St	Katherine Ave	Louisiana Ave	798	No	93.02	22.71	0	Local	$594,242	115.73
Rambling Rd	Roaming Dr	Pleasant Ridge Rd	1,854	No	97.32	17.92	0	Local	$1,381,378	115.23
Hiawassee Ave	Dill St	Coram St	475	Yes	95.81	18.93	0	Local	$354,025	114.74
Chickamauga Avenue (west)	Bruhin Rd	McMurray St	2,321	Yes	95.55	18.81	0	Local	$1,729,136	114.36
Haynes-Sterchi Rd	Woodview Dr	Cedar Ln	1,389	No	75.61	13.13	25	Minor Collector	$1,157,199	113.74
Adair Drive	Bruhin Rd	West of North Broadway	7,866	Yes	71.91	15.73	25	Major Collector	$6,607,025	112.63
E Morelia Ave	N Central St	150' North of N Central St	152	No	69.44	17.43	25	Minor Collector	$126,420	111.87
Fennel Rd	Cedar Ln	E Inskip Dr	2,180	No	94.62	16.97	0	Local	$1,624,362	111.59
Raleigh Ave	Farragut Ave	Forsythe St	603	No	91.47	19.76	0	Local	$449,307	111.23
Inskip Road	Fair Dr	Charles Dr	368	No	70.26	15.45	25	Major Collector	$308,877	110.71
Paris Rd	Moos Dr	Pleasant Ridge Rd	1,746	No	93.39	16.74	0	Local	$1,300,608	110.13
McMillian St	E Morelia Ave	Oglewood Ave	1,643	No	92.14	17.43	0	Local	$1,224,392	109.57
Branner St	W Oldham Ave	W Woodland Ave	437	No	91.07	17.43	0	Local	$325,912	108.50
Wilson Rd	Roaming Dr	Strolling Dr	350	No	65.28	18.12	25	Major Collector	$294,075	108.40
Walfred Dr	Schubert Rd	W Inskip Dr	1,109	No	83.24	20.64	0	Local	$826,545	103.88
Henrietta Dr	Delapp Dr	Rowan Rd	977	Yes	87.39	16.20	0	Local	$727,514	103.59
Maple Drive	Jenkins Rd	Knox Rd	5,311	No	87.61	15.14	0	Local	$3,956,410	102.75
Fair Dr	Knox Rd	Inskip Rd	7,237	No	85.88	15.14	0	Local	$5,391,521	101.02
Bounds Rd	Tillery Dr	Kensi Dr	465	No	79.17	20.64	0	Local	$346,370	99.81
Paula Rd	Pilleaux Dr	Woodberry Dr	429	No	86.57	13.07	0	Local	$319,434	99.64
Woodrow Drive	N Broadway	Jenkins Rd	5,376	Yes	83.97	15.45	0	Local	$4,005,089	99.42
Freemason St	Pembroke Ave	Fairfax Ave	378	No	79.01	19.83	0	Local	$281,395	98.85
Strolling Dr	Rambling Rd	Wilson Rd	1,435	No	79.32	18.12	0	Local	$1,068,927	97.44
Branner St	W Churchwell Ave	1614 Branner St	927	No	79.98	17.43	0	Local	$690,485	97.41
Minnesota Ave	Winfrey St	180' South of Winfrey St	179	No	74.46	22.71	0	Local	$133,544	97.17
Breda Drive	1008 Breada Dr	Bedrock Way	4,123	Yes	75.04	22.02	0	Local	$3,071,263	97.06
Cedar Heights Drive	Sterchi Elementary	Cedar Ln	1,811	Yes	82.85	13.26	0	Local	$1,349,195	96.11
Ridgefield Rd	Victor Dr	Merchant Dr	2,441	No	79.01	16.13	0	Local	$1,818,419	95.14
Pinecrest Road	Oaklett Dr	Cedar Ln	2,507	No	81.21	13.11	0	Local	$1,867,886	94.31
E Burwell Ave	N Central St	150' North of N Central St	142	No	76.22	17.43	0	Local	$105,565	93.65
W Churchwell Ave	Worth St	N Central St	752	No	75.52	17.43	0	Local	$560,549	92.95
W Glenwood Ave	E Caldwell Ave	Oglewood Ave	602	No	166.67	17.66	0	Local	$448,605	92.17
Radford Pl	Kenyon St	Henegar St	928	No	165.68	17.66	0	Local	$691,286	91.67
Central Avenue Pike	5004 Central Avenue Pike	W Inskip Dr	1,045	No	115.96	16.97	50	Minor Arterial	$933,522	91.47
Central Avenue Pike	W Inskip Dr	Tillery Rd	1,988	No	115.46	16.97	50	Minor Arterial	$1,775,061	91.21
Montrose Rd	Cedar Ln	Fair Dr	692	No	75.24	15.14	0	Local	$515,675	90.38
E Burwell Ave	N Central St	150' North of N Central St	152	No	72.16	17.43	0	Local	$113,476	89.59
Central Avenue Pike	Callahan Dr	Cedar Ln	8,937	No	26.68	12.61	50	Minor Arterial	$7,980,550	89.29
Texas Ave	1313 Texas Ave	Bragg St	167	No	130.56	22.71	25	Major Collector	$140,010	89.14
W Glenwood Ave	Oglewood Ave	E Woodland Ave	2,057	Yes	160.08	17.66	0	Local	$1,532,297	88.87
Merchant Dr	Tillery Rd	Pleasant Ridge Rd	5,740	No	110.93	15.60	50	Minor Arterial	$5,125,433	88.27
The Hague	Dutch Valley Dr	Breda Dr	848	No	70.83	17.35	0	Local	$631,934	88.18

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Street	From	To	Length (ft)	Safety Review Needed	Demand Score	HealthEquity Score	Road Class Score	Roadway Class	Estimated Cost	Score
Dinwiddie St	Johnston St	Rudy St	634	No	65.28	22.71	0	Local	$472,629	87.99
Johnston St	Dinwiddie St	Winfrey St	168	No	65.28	22.71	0	Local	$125,150	87.99
Rudy St	Dinwiddie St	140' South Dinwiddie St	140	No	65.28	22.71	0	Local	$104,637	87.99
Winfrey St	Minnesota Ave	Johnston St	183	No	65.28	22.71	0	Local	$136,081	87.99
Shipman Dr	Edgeview Way	Cross St	776	Yes	65.59	22.02	0	Local	$578,461	87.61
Davida Rd	Victor Dr	Merchant Dr	2,540	No	70.18	16.12	0	Local	$1,892,612	86.30
Roaming Dr	Rambling Rd	Wilson Rd	1,434	No	67.66	18.12	0	Local	$1,068,329	85.78
Pilleaux Dr	Paula Rd	Wassman Rd	771	No	72.33	13.07	0	Local	$574,730	85.40
Stonewall St	Minnesota Ave	Delaware Ave	310	No	140.61	22.71	0	Local	$230,710	81.66
Worth St	W Churchwell Ave	W Oldham Ave	1,076	No	63.97	17.43	0	Local	$801,576	81.40
Wilma Ln	Davida Rd	Kentwood Rd	340	No	65.28	16.06	0	Local	$253,670	81.34
Kentwood Rd	Victor Dr	Scenic Hills Rd	3,098	No	64.14	16.06	0	Local	$2,307,859	80.20
Delaware Avenue	Sherman St	Stonewall St	725	Yes	134.47	22.71	0	Local	$539,997	78.59
Victor Dr	Kentwood Rd	Clinton Hwy	3,039	No	62.44	16.06	0	Local	$2,264,109	78.50
Sherman St	Texas Ave	Minnesota Ave	267	No	129.17	22.71	0	Local	$198,824	75.94
Sherman St	Delaware Ave	Connecticut Ave	312	Yes	129.17	22.71	0	Local	$232,124	75.94
Pratt Rd	Tower Dr	Cedar Ln	1,711	No	61.91	12.87	0	Local	$1,274,528	74.78
Pershing St	Cedar Ave	3116 Pershing St	90	No	130.56	18.81	0	Local	$66,771	74.69
Dante Rd	Central Avenue Pike	City Limits	1,291	No	11.21	12.61	50	Minor Arterial	$1,153,301	73.82
Dante Rd	Central Avenue Pike	City Limits	1,330	No	11.08	12.53	50	Minor Arterial	$1,188,044	73.61
Stonewall St	Texas Ave	Minnesota Ave	254	Yes	122.97	22.71	0	Local	$189,188	72.84
N Central St	Heiskell Ave	2814 N Central St	1,837	No	78.12	17.52	50	Minor Arterial	$1,640,664	72.82
Central Avenue Pike	Dante Rd	Dry Gap Pike	6,702	No	9.47	12.61	50	Minor Arterial	$5,984,807	72.08
Tower Dr	Pratt Rd	Central Avenue Pike	945	No	55.10	12.61	0	Local	$703,749	67.71
E Quincy Ave	N Central St	McMillan St	391	No	92.20	17.43	25	Minor Collector	$325,422	67.32
Second Ln	Black Oak Dr	Victor Dr	701	Yes	24.75	16.06	0	Local	$522,084	40.81
Primus Rd	Murray Dr	Black Oak Dr	1,000	Yes	20.83	15.14	0	Local	$745,024	35.97
E Quincy Ave	W Glenwood Ave	Kenyon St	429	No	162.75	17.66	0	Local	$319,485	18.04
E Caldwell Ave	W Glenwood Ave	Kenyon St	427	No	161.61	17.66	0	Local	$318,224	17.93

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City Streets - Potential Corridor Improvements

Street	From	To	Length (ft)	Safety Review Needed	Demand Score	HealthEquity Score	Road Class Score	Roadway Class	Estimated Cost	Score
Atlantic Ave	Henegar St	Oswald St	68	No	175.00	17.66	25	Major Collector	$57,538	217.66
Saint Mary St	Ledgerwood Ave	E Woodland Ave	1,577	Yes	178.48	17.66	0	Local	$1,175,071	196.14
E Oak Hill Ave	Huron St	Huron St (Bus Stop)	51	Yes	171.67	17.66	0	Local	$38,175	189.33
E Morelia Ave	Pershing St	Pershing St	32	No	143.06	17.43	25	Minor Collector	$26,933	185.49
Merchant Dr	Tillery Rd	Marguerite Rd	1,213	Yes	116.26	17.13	50	Minor Arterial	$1,083,060	183.39
Texas Ave	Burnside St	Bragg St	23	No	130.56	22.71	25	Major Collector	$19,531	178.27
Pleasant Ridge Rd	Kingman Dr	Venetian Way	541	Yes	111.17	16.74	50	Minor Arterial	$482,725	177.91
Texas Ave	Sherman St	McPherson St	31	No	129.17	22.71	25	Major Collector	$25,981	176.88
Texas Ave	Pascal Dr	Sherman St	102	Yes	129.17	21.91	25	Major Collector	$85,356	176.08
Pershing St	Atlantic Ave	Atlantic Ave	76	No	130.56	18.81	25	Minor Collector	$63,490	174.37
Connecticut Ave	Burnside St	Burnside St	66	Yes	150.00	22.71	0	Local	$49,395	172.71
Knox Rd	Maple Dr	2530 Maple Dr	41	No	130.56	15.14	25	Minor Collector	$34,279	170.70
Atlantic Ave	Henegar St	Oswald St	55	No	127.78	17.66	25	Major Collector	$46,583	170.44
E Oldham Ave	N Central St	E Woodland Ave	82	Yes	97.97	17.43	50	Minor Arterial	$73,356	165.40
Central Avenue Pike	Aurora Ln	Cedar Ln	54	Yes	100.00	12.61	50	Minor Arterial	$48,140	162.61
Chickamauga Ave	Hanover St	Gladstone St	60	Yes	143.06	18.81	0	Local	$44,938	161.87
N Central St	E Oak Hill Ave	E Emerald Ave	16	No	93.06	17.43	50	Minor Arterial	$14,576	160.49
E Caldwell Ave	Harvey St	Hancock St	103	Yes	137.50	17.43	0	Local	$76,750	154.93
N Central St	E Quincy Ave	W Quincy Ave	42	Yes	83.33	17.43	50	Minor Arterial	$37,729	150.76
N Central St	W Columbia Ave	W Churchwell Ave	15	No	83.33	17.43	50	Minor Arterial	$13,016	150.76
N Central St	170' East of W Caldwell Ave	E Quincy Ave	108	No	81.01	17.43	50	Minor Arterial	$96,837	148.44
Chickamauga Ave	Oswald St	Oswald St	42	No	127.78	17.66	0	Local	$31,206	145.44
N Central St	E Burwell Ave	W Burwell Ave	82	Yes	69.44	17.43	50	Minor Arterial	$72,914	136.87
N Central St	E Morelia Ave	W Morelia Ave	12	No	69.44	17.43	50	Minor Arterial	$10,349	136.87
N Central St	W Burwell Ave	W Springdale Ave	16	No	69.44	17.43	50	Minor Arterial	$14,364	136.87
Johnston St	Heiskell Ave	Rudy St	22	No	86.11	22.71	25	Major Collector	$18,635	133.82
Johnson St	Tennessee Ave	Massachusetts Ave	316	No	105.56	23.45	0	Local	$235,394	129.01
Katherine Ave	Johnston St	E of Johnston St	59	Yes	97.22	22.71	0	Local	$43,789	119.93
Fairfax Ave	Oswald St	Grace St	41	No	98.61	18.81	0	Local	$30,832	117.42
Johnston St	Winfrey St	Heiskell Ave	54	Yes	86.11	22.71	0	Local	$40,342	108.82

Live

State Route - New Sidewalk

Street	From	To	Length (ft)	Safety Review Needed	Demand Score	HealthEquity Score	Road Class Score	Roadway Class	Estimated Cost	Score
Clinton Hwy	Merchant Dr	Tillery Dr	4,653	No	96.56	18.65	50	Major Arterial	$4,192,162	165.21
Clinton Hwy	Existing Sidewalk E of Merchant Dr	Tillery Dr	4,003	No	91.91	19.82	50	Major Arterial	$3,606,875	161.72
Clinton Hwy	Tillery Dr	Jenson Dr	902	No	76.67	20.64	50	Major Arterial	$812,446	147.31
Clinton Hwy	Tillery Dr	Lance Cunningham Ford	871	No	74.55	20.64	50	Major Arterial	$785,192	145.19
E Emory Rd	I-75 Ramp	I-75 Ramp	506	No	20.63	2.18	50	Major Arterial	$455,859	72.81
E Emory Rd	I-75 Ramp	I-75 Ramp	462	No	21.26	0.00	50	Major Arterial	$416,484	71.26

State Route - New Sidewalk

Street	From	To	Length (ft)	Safety Review Needed	Demand Score	HealthEquity Score	Road Class Score	Roadway Class	Estimated Cost	Score
N Broadway	Edgewood Ave	Lawson Ave	1,460	Yes	178.78	18.73	50	Major Arterial	$1,315,784	247.52
Western Ave	Schofield St	Keith Ave	102	Yes	131.61	20.18	50	Major Arterial	$92,329	201.79
N Broadway	Fairfax Ave	Raleigh Ave	51	No	118.06	18.81	50	Major Arterial	$45,707	186.87
N Broadway	Overlook Dr	Marietta Ave	90	Yes	87.50	18.81	50	Major Arterial	$81,491	156.31
Western Ave	Texas Ave	E of Texas Ave	149	Yes	76.39	19.04	50	Major Arterial	$133,898	145.43
E Emory Rd	Conner Rd	Dannaher Dr	65	Yes	41.67	6.13	50	Major Arterial	$58,446	97.80

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CITY OF KNOXVILLE

Council District 6 Projects

City Streets - New Sidewalk

Street	From	To	Length (ft)	Safety Review Needed	Demand Score	HealthEquity Score	Road Class Score	Roadway Class	Estimated Cost	Score
Beaumont Ave	McSpadden St	W Baxter Ave	655	No	151.78	22.49	25	Major Collector	$549,815	199.28
Jessamine St	E Magnolia Ave	160' South of E Magnolia Ave	159	No	143.06	21.33	25	Minor Collector	$132,658	189.39
College St	Jourolman Ave	Nolan Ave	791	No	141.38	22.72	25	Minor Collector	$658,844	189.10
McSpadden St	W Scott Ave	Beaumont Ave	611	No	161.81	21.79	0	Local	$455,548	183.60
Boyds Bridge Pike	Border St	Fellowship Ln	2,289	Yes	133.50	24.31	25	Minor Collector	$1,906,711	182.81
Holston Dr	4660 Holston Dr	Holston Dr	677	No	133.23	21.33	25	Minor Collector	$564,122	179.56
S Castle St	Wilson Ave	Wimpole Ave	1,478	No	129.05	22.55	25	Minor Collector	$1,231,378	176.60
Elm St (south)	300' South of W Baxter Ave	University Ave	1,135	No	127.40	23.62	25	Minor Collector	$945,612	176.02
Holston Dr	Thomas Tank Strickland Park	S Chilhowee Dr	2,338	No	126.67	21.80	25	Minor Collector	$1,947,556	173.47
W Scott Ave	Reed St	McSpadden St	900	Yes	150.28	21.79	0	Local	$670,765	172.07
Wilson Avenue	S Hembree St	S Harrison St	1,342	Yes	123.72	23.17	25	Minor Collector	$1,118,267	171.89
W Oldham Ave	McSpadden St	Elm St	1,059	Yes	122.85	22.85	25	Minor Collector	$882,477	170.69
Wilder Pl	1301 Wilder Pl	Natchez Ave	769	No	120.90	24.64	25	Minor Collector	$640,929	170.54
Rosalyn Drive	Boyds Bridge Pike	Brooks Ave	1,363	No	146.09	24.31	0	Local	$1,015,209	170.40
W Scott Ave	1101 W Scott Ave	McSpadden St	115	No	147.71	21.79	0	Local	$85,923	169.50
Elm St (north)	W Scott Ave	W Anderson Ave	964	No	121.50	21.79	25	Minor Collector	$803,155	168.29
Holston Dr	S Burns Rd	4658 Holston Dr	601	No	121.87	20.97	25	Minor Collector	$500,448	167.84
S Chestnut Street	Graves St	Biddle St	524	No	119.44	23.33	25	Minor Collector	$436,565	167.77
Wilson Ave	Parham St	Ben Hur Ave	402	No	119.44	23.17	25	Minor Collector	$334,814	167.61
Proctor St	Western Ave	News Sentinel Dr	1,803	No	121.64	20.18	25	Minor Collector	$1,501,577	166.82
Biddle Street	S Chestnut Street	Brooks Ave	2,013	No	117.88	23.55	25	Minor Collector	$1,676,761	166.43
W Fifth Ave	Boyd St	James Ave	388	No	141.64	23.62	0	Local	$288,954	165.26
Hannah Ave	Ramsey St	Grand Ave	687	No	152.51	12.16	0	Local	$511,950	164.67
W Fourth Ave	Boyd St	James Ave	790	No	139.59	23.62	0	Local	$588,220	163.21
Belleaire Ave	McSpadden St	Elm St	891	No	140.48	21.79	0	Local	$663,842	162.27
Clyde St	Middlebrook Pike	Ailor Ave	537	Yes	139.46	20.18	0	Local	$399,907	159.64
Riverside Drive	Laurans Ave	Crestview St	1,690	Yes	108.33	25.00	25	Major Collector	$1,419,522	158.33
Polk St	Washington Ave	E Fifth Ave	1,670	Yes	133.24	24.77	0	Local	$1,244,404	158.01
Division St	Liberty St	Sutherland Ave	2,639	No	110.01	22.48	25	Minor Collector	$2,198,277	157.49
Jordan St	Jourolman Ave	Mississippi Ave	656	Yes	133.31	23.46	0	Local	$488,502	156.77
Giffin St	Keith Ave	Major Ave	769	No	135.57	20.40	0	Local	$572,593	155.96
Wilson Ave	Bentley St	S Beaman St	657	Yes	108.49	22.25	25	Minor Collector	$547,610	155.74
W Woodland Ave	McSpadden St	Elm St	991	No	133.40	21.79	0	Local	$738,036	155.19
McDonald Drive	Holston Park Rd	Boyds Bridge Pike	269	No	106.01	24.09	25	Major Collector	$225,924	155.10
Riverside Drive	1648 Riverside Dr	KUB plant	2,699	Yes	105.90	23.14	25	Major Collector	$2,267,242	154.05
Sunrise St	W Emerald Ave	Beaumont Ave	1,821	No	131.50	21.98	0	Local	$1,356,641	153.48
Boyds Bridge Pike	Brooks Ave	Delrose Dr	1,735	No	80.11	23.22	50	Minor Arterial	$1,549,785	153.33
Boyds Bridge Pike	Robert Huff Ln	Delrose Dr	1,752	No	79.84	23.18	50	Minor Arterial	$1,564,832	153.03
Saxton Ave	125' East of Surrey Rd	Wilder Pl	1,045	No	128.58	23.94	0	Local	$778,464	152.52
Indian Rd	Silva Dr	Asheville Hwy	799	No	130.02	22.02	0	Local	$595,436	152.04
S Harrison St	Wilson Ave	Selma Ave	344	No	128.28	23.17	0	Local	$256,086	151.45
W Scott Ave	McSpadden St	Elm St	953	No	129.60	21.79	0	Local	$710,063	151.39
Wilson Ave/Lilac Ave	S Beaman St	Fern St	2,335	No	103.37	22.25	25	Minor Collector	$1,945,385	150.62
Citico St	Middlebrook Pike	Ailor Ave	445	No	129.90	20.18	0	Local	$331,829	150.08
Sapphire Rd	Apex Dr	Sutherland Ave	787	No	134.58	15.37	0	Local	$586,559	149.95
Jade Rd	Apex Dr	Sutherland Ave	863	No	133.47	15.37	0	Local	$643,003	148.84
Granville Ter	Groner Dr	Groner Dr	2,514	No	123.07	25.00	0	Local	$1,873,183	148.07
Houston St	Wilson Ave	Wimpole Ave	1,625	No	123.71	23.24	0	Local	$1,210,804	146.95
Washburn Road	Sutherland Ave	Dunhill Way	1,411	Yes	127.65	18.86	0	Local	$1,050,896	146.51
N Bertrand St	Dodson Ave	E Glenwood Ave	295	No	121.64	24.77	0	Local	$219,923	146.41

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Street	From	To	Length (ft)	Safety Review Needed	Demand Score	HealthEquity Score	Road Class Score	Roadway Class	Estimated Cost	Score
Mississippi Ave	Giffin St	College St	2,414	No	126.11	20.19	0	Local	$1,798,695	146.30
Skyline Drive	Fern St	S Chilhowee Dr	7,489	No	101.02	20.16	25	Minor Collector	$6,238,633	146.18
Bowling Ave	Virginia Ave	Keith Ave	567	No	120.95	25.00	0	Local	$422,229	145.95
S Mary St	Martin Luther King Jr Ave	Ashland Ave	310	No	122.22	22.84	0	Local	$231,024	145.06
S Cherry St	Martin Luther King Jr Blvd	Selma Ave	1,122	No	121.69	23.27	0	Local	$836,193	144.96
Selma Ave	S Harrison St	Ben Hur Ave	2,433	No	121.51	23.17	0	Local	$1,812,860	144.68
Carta Rd	Silva Ct	Asheville Hwy	1,422	No	122.33	22.02	0	Local	$1,059,461	144.35
Louise Ave	S Cherry St	S Chestnut St	853	No	120.87	23.17	0	Local	$635,296	144.04
Houston St	Martin Luther King Jr Ave	Tarleton Ave	446	No	120.83	23.17	0	Local	$332,383	144.00
Wilder Pl	Garfield Ave	Riverside Dr	356	No	95.58	23.17	25	Minor Collector	$296,604	143.75
Biddle Street	Wimpole Ave	S Chestnut Street	335	No	119.44	24.23	0	Local	$249,415	143.67
Windsor Ave	Sutherland Ave	Tobler Ln	740	Yes	124.64	18.81	0	Local	$551,595	143.45
Ontario St	Wilson Ave	Lay Ave	701	No	119.62	23.17	0	Local	$522,132	142.79
Ulster Ave	S Chestnut St	Bethel Ave	781	No	119.44	23.17	0	Local	$582,027	142.61
N Cherry St	Mitchell St	I-40 Ramp	777	Yes	74.23	18.16	50	Minor Arterial	$693,518	142.39
Crestview St	Natchez Ave	Seminole Ave	362	Yes	116.67	25.00	0	Local	$269,777	141.67
Seminole Ave	Crestview St	Iroquois St	553	Yes	116.67	25.00	0	Local	$412,274	141.67
Natchez Ave	Crestview St	Wilder Pl	894	No	116.67	24.99	0	Local	$665,821	141.66
Laurans Ave	1924 Laurans Ave	Riverside Dr	1,093	No	116.10	25.00	0	Local	$814,283	141.10
N Cherry St	Parkview Ave	Martin Luther King Jr Ave	245	No	116.25	24.08	0	Local	$182,252	140.33
N Olive St	Adams Ave	Jefferson Ave	2,705	No	115.10	24.77	0	Local	$2,015,523	139.87
S Beaman St	Shields Ave	Wilson Ave	771	No	117.21	22.25	0	Local	$574,509	139.46
N Bertrand St	Washington Ave	Woodbine Ave	823	No	115.73	23.52	0	Local	$613,267	139.24
Wimpole Ave	Biddle St	Houston St	1,976	No	115.45	23.60	0	Local	$1,472,201	139.05
Cox St	Knott Ave	Sutherland Ave	1,104	No	116.46	22.48	0	Local	$822,648	138.94
Crestview St	Natchez Ave	Riverside Dr	971	No	113.65	25.00	0	Local	$723,337	138.65
S Burns Rd	Asheville Hwy	Holston Dr	415	No	116.67	21.58	0	Local	$309,403	138.25
Reagan Ave	Cox St	Liberty St	1,188	No	115.18	22.48	0	Local	$884,785	137.66
Frank St	Knott Ave	Sutherland Ave	1,007	No	114.00	22.17	0	Local	$750,047	136.16
Papermill Dr	Hollywood Rd	Raillery Rd	1,864	No	98.64	12.39	25	Major Collector	$1,565,551	136.03
North/West Bellemeade Ave	Sutherland Ave	Tobler Ln	1,901	Yes	115.67	18.81	0	Local	$1,415,912	134.48
Virginia Ave	Bowling Ave	Jourolman Ave	531	No	108.99	24.94	0	Local	$395,763	133.93
Iroquois St	Natchez Ave	Riverside Dr	1,025	No	109.15	24.77	0	Local	$763,657	133.92
Silva Dr	Carta Rd	N Chilhowee Dr	1,802	No	111.33	22.02	0	Local	$1,342,285	133.35
Briargate Ave	North Bellemeade Ave	W Bellemeade Ave	759	Yes	114.27	18.81	0	Local	$565,633	133.08
Harry St	Knott Ave	Sutherland Ave	902	No	110.54	22.48	0	Local	$671,816	133.02
Boyds Bridge Pike	Delrose Dr	Holtson River Bridge	1,466	No	59.81	23.17	50	Minor Arterial	$1,308,773	132.98
W Emerald Ave	McSpadden St	Elm St	1,113	No	108.46	23.85	0	Local	$829,265	132.31
Lansing Ave	S Castle St	Oakland St	2,832	No	109.83	22.25	0	Local	$2,109,762	132.08
Greenleaf Ave	North Bellemeade Ave	Tobler Ln	1,079	Yes	114.07	17.88	0	Local	$804,120	131.95
Graves Street	S Chestnut Street	Cavalier Ave	244	No	108.33	23.17	0	Local	$181,476	131.50
Dance Ave	Cox St	Liberty St	1,181	No	108.54	22.48	0	Local	$879,920	131.02
Boyds Bridge Pike	Delrose Dr	3812 Boyds Bridge Pike	143	No	56.94	23.17	50	Minor Arterial	$127,997	130.11
Boyds Bridge Pike	3812 Boyds Bridge Pike	Holtson River Bridge	1,015	No	56.94	23.17	50	Minor Arterial	$906,629	130.11
Selma Ave	140' South of S Elmwood St	Fern St	3,651	No	107.73	22.37	0	Local	$2,720,259	130.11
N Cherry St	E Magnolia Ave	Parkview Ave	645	Yes	105.56	23.37	0	Local	$480,750	128.93
Addison St	Chester Ave	1031 Addison St	167	No	104.17	23.17	0	Local	$124,785	127.34
Bentley St	Martin Luther King Jr Blvd	Wilson Ave	1,389	No	104.60	22.39	0	Local	$1,034,438	126.99
Spruce St	Dodson Ave	Woodbine Ave	2,000	Yes	101.94	24.77	0	Local	$1,489,744	126.71
Knott Ave	Cox St	Liberty St	1,180	No	103.81	22.48	0	Local	$879,029	126.29
Chester Ave	Addison St	Trigg St	623	No	103.02	23.17	0	Local	$464,407	126.19

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Street	From	To	Length (ft)	Safety Review Needed	Demand Score	HealthEquity Score	Road Class Score	Roadway Class	Estimated Cost	Score
Verbena St	Catalpa Ave	Selma Ave	1,034	No	104.93	20.87	0	Local	$770,681	125.80
Ashland Ave	Bentley St	Oakland St	922	No	103.35	22.25	0	Local	$686,782	125.60
S Andes St	Martin Luther King Jr Blvd	Wilson Ave	1,390	No	102.82	22.25	0	Local	$1,035,286	125.07
Barker Ave	Addison St	Trigg St	629	No	100.70	23.17	0	Local	$468,721	123.87
Boruff St	Dodson Ave	E Glenwood Ave	312	No	99.78	23.58	0	Local	$232,379	123.37
Robert Huff Ln	Brooks Ave	1507 Robert Huff Ln	147	No	100.00	23.35	0	Local	$109,468	123.35
Virginia Ave	McSpadden St	Elm St	1,003	No	97.71	23.85	0	Local	$747,449	121.56
Skyline Dr	Oakland St	Fern St	314	No	98.61	22.80	0	Local	$234,094	121.41
Bernard Ave	511 Bernard Ave	Cooper St	207	No	76.39	18.58	25	Minor Collector	$172,270	119.97
Trigg St	Chester Ave	Brooks Ave	677	No	95.43	23.17	0	Local	$504,410	118.60
Oakland St	Lansing Ave	Skyline Dr	1,197	No	95.95	22.25	0	Local	$891,609	118.20
Lilac Ave	Fern St	Ault St	2,734	No	97.07	20.87	0	Local	$2,036,811	117.94
Meadow View Road	Holston Dr	Dead End	1,491	No	96.65	20.98	0	Local	$1,111,037	117.63
Mitchell St	190' South of Wright St	90' North of Washington Ave	370	No	94.44	21.33	0	Local	$275,418	115.77
Division Street	Cox St	Liberty St	1,283	No	93.19	22.48	0	Local	$955,635	115.67
Chipman St	Ninth Ave	Glider Ave	438	Yes	91.22	20.64	0	Local	$326,526	111.86
Riverside Dr	Crestview St	Dandridge Ave	2,790	Yes	63.35	23.21	25	Major Collector	$2,343,208	111.56
Ninth Ave	Chipman St	Mitchell St	292	No	90.57	20.64	0	Local	$217,677	111.21
Mitchell St	Glider Ave	180' North of Wright St	1,548	No	87.87	20.64	0	Local	$1,153,340	108.51
Kirk St	Ivy Ave	Lilac Ave	344	No	87.50	20.87	0	Local	$256,283	108.37
Kirk St	Catalpa Ave	Ivy Ave	320	Yes	86.97	20.87	0	Local	$238,765	107.84
Zenia St	Ivy Ave	Lilac Ave	340	No	85.54	20.87	0	Local	$253,471	106.41
Zenia St	Catalpa Ave	Ivy Ave	322	No	85.41	20.87	0	Local	$239,714	106.28
Dandridge Ave	2043 Dandridge Ave	Wilder Pl	734	No	129.07	24.95	50	Minor Arterial	$655,214	102.01
Woodbine Avenue	3120 Woodbine Ave	E Fifth Ave	1,026	No	76.25	24.08	0	Local	$764,338	100.33
Milligan St	Woodbine Ave	E Fifth Ave	294	No	75.33	24.08	0	Local	$219,266	99.41
Woodbine Avenue	3042 Woodbine Ave	3032 Woodbine Ave	184	No	74.64	24.08	0	Local	$137,275	98.72
Dickson St	Holston Dr	Catalpa Ave	1,264	No	77.29	20.89	0	Local	$941,568	98.18
Sutherland Ave	Sutherland View Way	Cox St	1,305	No	122.13	20.60	50	Minor Arterial	$1,165,100	96.36
Sutherland Ave	Jade Rd	Sidewalk East of Washburn Rd	1,410	No	129.80	12.81	50	Minor Arterial	$1,259,420	96.31
Alma Avenue	Dickson St	Holston Dr	1,022	No	74.76	20.93	0	Local	$761,221	95.69
Brooks Ave	2116 Brooks Ave	Boyds Bridge Pike	7,748	No	117.31	23.60	50	Minor Arterial	$6,919,266	95.45
Frank Watts Rd	Kim Watt Dr	Lonas Dr	665	No	79.62	15.60	0	Local	$495,062	95.22
Jessamine St	E Magnolia Ave	170' South of E Magnolia Ave	172	Yes	143.06	21.33	25	Minor Collector	$142,932	94.70
N Hembree St	Woodbine Ave	354 N Hembree St	492	No	70.00	24.08	0	Local	$366,685	94.08
Reed St	Beaumont Ave	W Baxter Ave	870	No	158.14	23.29	0	Local	$648,465	90.72
Toms St	Jourolman Ave	Mississippi Ave	651	Yes	133.94	21.95	25	Minor Collector	$542,009	90.44
Dallas St	Holston Dr	Catalpa Ave	1,154	No	69.43	20.97	0	Local	$859,706	90.40
Riverside Dr	Delrose Dr	Holston Hills Rd	6,283	Yes	41.18	23.17	25	Minor Collector	$5,233,583	89.35
Sutherland Ave	Varner St	N Concord St	1,490	No	108.19	20.19	50	Minor Arterial	$1,330,494	89.19
Sutherland Ave	Frank St	Division St	3,415	No	104.49	21.22	50	Minor Arterial	$3,049,999	87.86
Sutherland Ave	N Concord St	2061 Sutherland Ave	908	No	103.96	21.63	50	Minor Arterial	$810,520	87.80
Chilhowee Ave	Jessamine St	Winona St	608	No	153.83	21.33	0	Local	$452,604	87.58
Linden Ave	Jessamine St	Winona St	578	No	151.36	21.33	0	Local	$430,559	86.34
Jessamine St	E Fifth Ave	170' South of E Fifth Ave	169	Yes	122.22	21.33	25	Minor Collector	$140,951	84.28
Jefferson Avenue	N Hembree St	N Harrison St	659	No	56.94	24.08	0	Local	$490,989	81.02
N Harrison St	753 N Harrison St	Rutherford Ave	358	No	56.94	24.08	0	Local	$266,670	81.02
Nichols Ave	2615 Nichols Ave	N Harrison St	442	No	56.70	24.08	0	Local	$329,367	80.78
N Harrison St	Nichols Ave	Washington Pike	204	No	56.39	24.08	0	Local	$152,189	80.47
Holston Dr	S Chilhowee Dr	Loice Ln	6,094	No	67.35	11.93	0	Local	$4,540,069	79.28
Martin Luther King Jr Ave	N Cherry St	Parkview Ave	1,381	No	107.46	23.64	25	Major Collector	$1,160,352	78.05

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Street	From	To	Length (ft)	Safety Review Needed	Demand Score	HealthEquity Score	Road Class Score	Roadway Class	Estimated Cost	Score
Linden Ave	McCalla Ave	Nash Rd	576	Yes	55.56	22.02	0	Local	$429,480	77.58
Monroe St	Jefferson Ave	Woodbine Ave	303	Yes	120.01	21.33	0	Local	$225,913	70.67
N Park St	Nash Rd	Asheville Hwy	289	No	45.83	22.02	0	Local	$215,581	67.85
Nash Rd	N Park St	Jonteel Dr	442	No	45.83	22.02	0	Local	$328,965	67.85
Tobler Ln	Windsor Ave	W Bellemeade Ave	561	Yes	117.44	11.84	0	Local	$417,887	64.64
Dunbar St	Exeter Ave	Moses Ave	230	No	180.56	23.62	0	Local	$171,471	20.42
James Ave	Wallace St	Boyd St	353	No	171.48	23.62	0	Local	$262,734	19.51
Pickett Ave	Boyd St	College St	1,343	No	158.49	23.59	0	Local	$1,000,498	18.21
Brookside Ave	College St	Mercer St	1,135	No	156.93	23.57	0	Local	$845,317	18.05
Iredell Ave	Boyd St	College St	1,494	No	151.17	23.62	0	Local	$1,113,218	17.48
W Baxter Ave	Mercer St	College St	1,152	No	148.77	23.62	0	Local	$858,007	17.24
Boyd St	Cansler Ave	Deaderick Ave	256	No	143.06	23.62	0	Local	$190,874	16.67
James Ave	W Fourth Ave	W Fifth Ave	292	No	140.13	23.62	0	Local	$217,597	16.38
Heins St	Tulip Ave	Hannah Ave	329	No	137.16	12.16	0	Local	$245,410	14.93

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City Streets - Potential Corridor Improvements

Street	From	To	Length (ft)	Safety Review Needed	Demand Score	HealthEquity Score	Road Class Score	Roadway Class	Estimated Cost	Score
E Summit Hill Dr	S Hall of Fame Dr	Patton St	411	Yes	171	23	50	Minor Arterial	$366,622	244
Wall Ave	S Gay St	Strong St	55	Yes	176	12	50	Minor Arterial	$48,922	239
McCalla Ave	S Bertrand St	S Van Gilder St	67	Yes	188	24	25	Minor Collector	$55,756	237
S Gay St	Union Ave	Clinch Ave	104	Yes	174	12	50	Minor Arterial	$92,503	236
Dandridge Ave	Surrey Rd	Groner Dr	72	Yes	157	25	50	Minor Arterial	$64,148	232
Clinch Ave	Henley St	Henley St	146	Yes	169	12	50	Major Arterial	$131,737	232
S Central St	E Summit Hill Dr	State St	122	Yes	163	12	50	Major Arterial	$109,501	225
W Summit Hill Dr	Charles Pl	State St	71	Yes	163	12	50	Major Arterial	$64,238	225
Howard Baker Jr Ave	E Hill Ave	John Carter Way	61	Yes	172	25	25	Major Collector	$51,489	222
University Ave	College St	Dora St	666	Yes	171	24	25	Major Collector	$559,854	220
W Summit Hill Dr	Walnut St	State St	1018	Yes	155	12	50	Major Arterial	$917,069	218
S Central St	Railroad	Willow Ave	689	Yes	155	12	50	Minor Arterial	$615,692	217
Main St	Henley St	Poplar St	103	Yes	153	12	50	Major Arterial	$93,007	215
W Church Ave	State St	W Church Ave (Bus Stop)	34	Yes	174	12	25	Major Collector	$28,779	211
W Church Ave	State St	173 W Church Ave	11	No	171	12	25	Major Collector	$8,947	208
Clinch Ave	Worlds Fair Park Dr	Henley St	104	Yes	169	12	25	Minor Collector	$86,836	207
Union Ave	Walnut St	Market St	51	Yes	169	12	25	Minor Collector	$42,739	207
Sutherland Ave	Tobler Ln	Washburn Rd	100	Yes	133	22	50	Minor Arterial	$89,573	206
Ailor Ave	N 17th St	N 17th St	99	Yes	133	20	50	Minor Arterial	$88,681	204
University Ave	Boyd St	Callaway St	105	Yes	155	24	25	Major Collector	$87,834	203
E Fifth Ave	Winona St	Myrtle St	95	Yes	154	21	25	Major Collector	$79,763	200
Moses Ave	Alfedda Delaney St	Dunbar St	636	Yes	177	23	0	Local	$473,762	200
Sutherland Ave	Vandeventer Ave	Liberty St	92	Yes	125	22	50	Minor Arterial	$82,276	197
Clinch Ave	Locust St	S Gay St	1122	Yes	157	12	25	Minor Collector	$934,878	194
Sutherland Avenue	190' West Frank St	Frank St	101	No	122	19	50	Minor Arterial	$89,958	191
Walnut St	Main St	Neyland Dr	539	Yes	153	12	25	Minor Collector	$448,841	190
Cumberland Ave	S Gay St	State St	362	Yes	152	12	25	Major Collector	$304,149	190
Main St	State St	Walnut St	672	Yes	152	12	25	Major Collector	$564,767	189
Locust St	W Church Ave	W Church Ave (Bus Stop)	67	Yes	151	12	25	Minor Collector	$55,835	188
W Oldham Ave	Bonnyman Dr	Reed St	57	Yes	138	25	25	Minor Collector	$47,473	188
Sutherland Ave	Lebanon St	Jade Rd	1255	Yes	123	13	50	Minor Arterial	$1,121,036	186
S Dewey Roberts Sr St	McCalla Ave	Martin Luther King Jr Ave	138	Yes	160	24	0	Local	$102,565	184
Keith Ave	Giffin St	Bowling Ave	93	Yes	133	25	25	Major Collector	$78,187	183
Sutherland Ave	200' East of Cary St	Seaman St	155	No	111	22	50	Minor Arterial	$138,197	183
Martin Luther King Jr Ave	N Olive St	McConnell St	283	Yes	136	22	25	Major Collector	$238,093	183
W Baxter Ave	McSpadden St	Beaumont Ave	84	Yes	158	24	0	Local	$62,518	182
Linden Ave	N Cruze St	N Dewey Roberts Sr St	105	Yes	160	22	0	Local	$78,166	182
Bethel Ave	S Kyle St	S Bertrand St	103	Yes	156	24	0	Local	$76,787	181
McConnell St	Kenner Ave	Lee Williams Ave	90	Yes	128	24	25	Minor Collector	$74,804	177
E Fifth Ave	Holly St	Austin St	103	Yes	154	21	0	Local	$76,446	176
N Concord St	Safety City Way	Safety City Way	82	No	106	19	50	Minor Arterial	$73,563	174
Martin Luther King Jr Ave	S Chestnut St	N Chestnut St	242	Yes	124	23	25	Major Collector	$203,051	171
Worlds Fair Park Dr	L&N Station Dr	L&N Station Dr	67	Yes	158	12	0	Local	$49,786	170
Wilson Ave	S Elmwood St	S Castle St	68	No	122	23	25	Minor Collector	$56,568	170
Martin Luther King Jr Ave	S Harrison St	S Cherry St	124	Yes	121	23	25	Major Collector	$104,443	169
Sutherland Ave	Victory St	Rule St	58	Yes	100	19	50	Minor Arterial	$52,114	169
N Chestnut St	E Magnolia Ave	Parkview Ave	668	Yes	120	22	25	Minor Collector	$556,778	168

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Street	From	To	Length (ft)	Safety Review Needed	Demand Score	HealthEquity Score	Road Class Score	Roadway Class	Estimated Cost	Score
W Vine Ave	Locust St	Walnut St	572	No	155	12	0	Local	$426,199	167
Callaway St	University Ave	Douglas Ave	74	Yes	143	24	0	Local	$54,908	167
W Jackson Ave	State St	S Central St	44	No	154	12	0	Local	$33,004	167
W Church Ave	Walnut St	Locust St	85	Yes	153	12	0	Local	$63,491	165
Deaderick Ave	Dora St	Carrick St	96	Yes	140	24	0	Local	$71,548	164
E Jackson Ave	Sullivan St	Morgan St	54	Yes	151	12	0	Local	$40,306	164
Holston Dr	4629 Holston Dr	4658 Holston Dr	59	No	117	21	25	Minor Collector	$49,373	163
Martin Luther King Jr Ave	Austin East High School	Austin East High School	89	Yes	113	24	25	Major Collector	$74,859	161
Boyd St	Hatton Ave	W 4th Ave	65	Yes	138	24	0	Local	$48,145	161
Major Ave	Giffin St	Giffin St	26	No	140	20	0	Local	$19,223	160
Washington Ave	Winona St	Mitchell St	115	Yes	114	21	25	Minor Collector	$96,011	160
W Hill Ave	Walnut St	S Gay St	700	Yes	148	12	0	Local	$521,579	160
Clifford St	Isabella Cir	Isabella Cir	85	Yes	135	25	0	Local	$63,249	160
Liberty St	Morris Ave	I-40 Ramp	129	Yes	112	22	25	Major Collector	$108,769	160
W Jackson Ave	N Gay St	State St	271	Yes	146	12	0	Local	$201,895	158
Tobler Ln	W Bellemeade Ave	Third Creek Greenway	26	Yes	122	11	25	Minor Collector	$21,818	158
Martin Luther King Jr Ave	Parkview Ave	N Harrison St	492	Yes	106	24	25	Major Collector	$412,960	155
N Gay St	W Magnolia Ave	W 5th Ave	207	Yes	117	12	25	Major Collector	$173,916	154
Jefferson Ave	N Olive St	Spruce St	129	Yes	128	25	0	Local	$96,474	153
Better Tomorrow Dr	Fort Promise Dr	W Oldham Ave	112	Yes	125	25	0	Local	$83,193	150
N Cherry St	Woodbine Ave	Woodbine Ave	54	Yes	74	24	50	Major Arterial	$48,391	148
Parkview Ave	Spruce St	N Chestnut St	169	Yes	124	22	0	Local	$125,773	146
Monroe St	Washington Ave	Jefferson Ave	149	No	122	21	0	Local	$110,845	144
Natchez Ave	Crestview St	Lombard Pl	79	Yes	117	25	0	Local	$58,989	142
Riverside Dr	George Dempster Dr	James White Pkwy	55	Yes	100	14	25	Major Collector	$45,892	139
Monroe St	Jefferson Ave	Woodbine Ave	144	No	117	21	0	Local	$107,124	139
W Depot Ave	N Gay St	Conrad St	74	Yes	126	12	0	Local	$54,978	139
Parkview Ave	Martin Luther King Jr Ave	Houston St	66	No	113	24	0	Local	$48,985	137
W Oldham Ave	I-275 Ramp	I-275 Ramp	104	Yes	85	24	25	Minor Collector	$86,790	134
Mitchell Street	Washington Ave	Woodbine Ave	659	No	104	21	0	Local	$490,905	125
N Chilhowee Dr	I-40	Catuga Dr	181	Yes	74	22	25	Major Collector	$151,768	121
Kirkwood St	Holston Dr	Martin Luther King Jr Ave	125	Yes	82	24	0	Local	$93,176	106

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State Route - New Sidewalk

Street	From	To	Length (ft)	Safety Review Needed	Demand Score	HealthEquity Score	Road Class Score	Roadway Class	Estimated Cost	Score
Middlebrook Pike	Proctor St	Sutherland Ave	1,691	No	103.81	21.85	50	Major Arterial	$1,523,708	175.67
Middlebrook Pike	Existing Sidewalk at KUB	Liberty St	7,765	No	71.13	15.84	50	Major Arterial	$6,996,328	136.97

State Route - Potential Corridor Improvements

Street	From	To	Length (ft)	Safety Review Needed	Demand Score	HealthEquity Score	Road Class Score	Roadway Class	Estimated Cost	Score
S Hall of Fame Dr	507 S Hall of Fame Dr (Bus Stop)	E Church Ave	51	Yes	177.78	22.71	50	Minor Arterial	$45,962	250.49
Western Ave	University Ave	Middlebrook Pike	60	No	163.89	20.18	50	Major Arterial	$54,362	234.07
Western Ave	N 21st St	Ailor Ave	2,789	Yes	156.28	20.43	50	Major Arterial	$2,512,575	226.72
Henley St	W Church Ave	Clinch Ave	65	Yes	162.73	12.16	50	Major Arterial	$58,888	224.89
Western Ave	Henley St	S Broadway	56	Yes	155.56	12.16	50	Major Arterial	$50,588	217.72
E Magnolia Ave	N Chestnut St	Winona St	5,020	Yes	143.82	23.29	50	Major Arterial	$4,522,788	217.11
Schofield St	Western Ave	Major Ave	19	No	138.68	20.18	50	Major Arterial	$17,278	208.86
Western Ave	S Broadway	Henley St	71	No	144.44	12.16	50	Major Arterial	$64,212	206.60
Middlebrook Pike	2125 Middlebrook Pike	Western Ave	1,552	Yes	133.61	20.18	50	Major Arterial	$1,398,763	203.79
Historic Preservation Dr	Womens Basketball Hall of Dr	Ramp	70	Yes	143.06	22.71	25	Minor Collector	$58,056	190.77
Western Ave	New Sentinel Dr	Eubanks Ave	90	Yes	113.89	20.18	50	Major Arterial	$81,340	184.07
Dale Ave/Western Ave	Arthur St	N 17th St	2,018	Yes	141.85	12.66	25	Major Collector	$1,694,801	179.51
N Broadway	Emory Pl	W Depot Ave	1,424	Yes	111.49	16.74	50	Major Arterial	$1,283,424	178.23
Middlebrook Pike	Sutherland Ave (Bus Stop)	Sutherland Ave	77	No	98.61	22.48	50	Major Arterial	$69,762	171.09
Middlebrook Pike	Sutherland Ave	Sutherland Ave (Bus Stop)	200	Yes	98.61	22.48	50	Major Arterial	$180,296	171.09
E Magnolia Ave	N Hembree St	Milligan St	431	Yes	91.67	24.08	50	Major Arterial	$388,742	165.75
E Magnolia Ave	N Mary St	N Elmwood St	1,040	Yes	90.15	24.08	50	Major Arterial	$937,280	164.23
E Magnolia Ave	N Harrison St	N Cherry St	318	Yes	80.56	24.08	50	Major Arterial	$286,951	154.64
Rutledge Pike	McCall Ave	Pelham Rd	181	Yes	78.71	24.08	50	Major Arterial	$163,134	152.79
Asheville Hwy	Yankee St	Hidell Rd	317	Yes	54.22	22.02	50	Major Arterial	$285,995	126.24
Partners Pl	Middlebrook Pike	Middlebrook Pike	79	No	87.50	22.48	0	Local	$58,719	109.98

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CITY OF KNOXVILLE

Appendix B.

Constructability Review

Appendix B.

Constructability Review Summaries

New Sidewalk Projects

Chapman Highway from West Moody Avenue to East Young High Pike

The Chapman Highway sidewalk project from Moody Ave to Young High Pike is based on the recommendations as presented in the Chapman Highway Implementation Plan – Final Report, August 2019 prepared by Kimley Horn. For the constructability plan and cost estimate the provided typical section from that plan was taken and used to create a template that placed the sidewalk in its correct horizontal and vertical location based on existing edge of pavement. Except for the very beginning of the project where a fairly significant cut in front of the Walgreen's store is modeled, most of the project cross sections are fairly flat due to the history of commercial development in the area. Most of the constructability issues for this corridor will be based on working in and around the built environment, including the removal of landscaping on several parcels, relocation of utilities, and the development of a traffic control plan that maintains access to the many businesses in the area.

To maintain the safety of this new pedestrian facility areas are shown where modifications to the access to certain parcels are suggested. Wong's Palace and the fuel center at the intersection of Chapman Highway and Young High Pike are both locations that have three existing access points. The most egregious of these is the driveway immediately adjacent the signalized intersection on Chapman Highway at Young High Pike. The review recommended closing this driveway completely in conjunction with installation of sidewalk and pedestrian facilities accessing the existing crosswalk. While the review shows closing one of the three driveways at Wong's Palace parcel, it should be noted that a parking lot reconfiguration should be engineered to accommodate this closure. Besides the potential need to reconfigure parking at Wong's Palace should access control measures be implemented, it appears that there is only one other existing parking space on an adjacent parcel that is impacted.

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Middlebrook Pike from Vanosdale Road to West Hills Road

The span of Middlebrook Pike from Vanosdale Road to West Hills Road includes three residential properties and one church property that will likely be impacted as a result of a proposed sidewalk project with the city's preferred typical section (2' landscaping strip and 5' sidewalk). Permanent right-of-way acquisitions are anticipated on all four tracts due to property lines being close to the existing roadway. Additionally, temporary property impacts are anticipated to tie-in slopes of yards and driveways behind the sidewalk. 5 driveways would be impacted as part of this project. The prepared cost estimate includes quantities to perform this work as well as estimates for the cost of ROW/Easement acquisitions.

The cost estimate also includes quantity to remove and reset fences for homes where applicable and allowances are in the cost estimate to replace in kind landscaping and trees on private property that are anticipated to be disturbed.

This span of Middlebrook Pike has existing curb and gutter and no additional underground drainage infrastructure work is anticipated. Potential utility impacts appear to be limited to adjusting manhole elevations where grading changes dictate and avoiding utility and traffic signal poles at the Southeast corner of the Middlebrook Pike and Vanosdale Road intersection. At this location there is a large amount of open space in front of Middlebrook United Methodist Church where the design can be altered to mitigate the potential impacts.

Glenn Avenue from Keith Avenue to Middlebrook Pike

Starting at the intersection with Keith Avenue, the first block of Glenn Avenue is bordered by a cemetery on the north side of the street and West View Park to the south. The initial field review required a look at installing the sidewalk on the south (park) side of the street for this first section as the topography adjacent to the cemetery is extremely steep with well-maintained landscaping and a monument entrance. Any attempt to construct on the cemetery side of the street would likely require shoring, the construction of cut-slope retaining walls, reconstruction of the entrance including steepening the drive, relocation of the entranceway, and potentially more small walls to protect monuments.

Installation of a sidewalk on the southern (Park) side of the street will require the removal and reconstruction of the existing split rail type fence from its current location to the back of the new sidewalk. Due to topography nearly the entire length of the sidewalk will be built on fill which will place material inside the canopy of significant trees making them candidates for removal. The placement of fill will also create a need to extend the outlet pipe for the aforementioned closed system drainage and will place fill material in a wet

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weather conveyance that could prove to be a permitting issue. The typical section along Glenn Avenue will include a curb and gutter constructed at the existing edge of pavement and require the replacement of an existing brick drainage structure with an inlet and junction box. Behind the curb and gutter will be a 2' furnishing zone. It is anticipated that minor adjustments to the width of the furnish zone and alignment of the sidewalk will allow us to construct this section of sidewalk without relocating poles. Two entrances to the park will also have to be redesigned to accommodate the new sidewalk including a section of trail and a set of steps crafted from railroad ties.

The eastern (southeastern) border of the park is Denson Avenue. Past Denson Avenue all of the drainage from the upstream watershed including West View Park is piped under Denson Avenue and outlets into a roadside wet weather conveyance that continues along Glenn Avenue to Middlebrook Pike. For this initial constructability review and estimate it was decided to proceed along Glenn Avenue by first crossing Denson Avenue at the stop and then showing a non-stop controlled crossing across Glenn Avenue to access the North side of the street. This crossing will allow access to the trail to West View Elementary and avoid encapsulating the open channel and will minimize earthwork on adjacent residents. The North side of the road has some topography issues as is evident by driveway profiles 3-7 but appears to be the more constructible side of the street, barring unforeseen sub-surface issues. The remaining constructability issues are noted on the plan sheets and are generally limited to the removal and replacement of utility poles and mailboxes. The commercial lot at the intersection of Middlebrook and Glenn warrants coordination with the owner to identify the largest vehicle that accesses that site to ensure the driveway width and angle accommodate turning movements into and out of the site.

North Broadway from South of Gresham Road to South of Essary Drive

The east side of North Broadway from the existing sidewalk south of Essary Drive to the existing sidewalk in front of 5352 North Broadway is a highly developed commercial corridor which includes multiple business driveways and parking areas which could be impacted by a proposed sidewalk project. The biggest impacts of a proposed project along this corridor would be to commercial parking areas and above ground utilities. Due to the nature of the project's potential impacts, community coordination will be integral in the development of a final design. There is existing drainage infrastructure along the route, and it is assumed to have sufficient capacity and be in good condition.

The northern end of the project has three commercial building with frontage that is close to the outside travel lane and the space between is utilized for customer parking. Construction of a sidewalk here will likely result in the loss of parking spaces. There is some access to parking behind

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these buildings, but coordination with the city's codes department would be required to ensure they meet the minimum threshold required for their businesses.

Immediately south of the commercial parking impacts there is a small grass area in front of 5320 North Broadway with relatively steep topography and utility poles and it is likely a small retaining wall will be required here. There is also existing shoulder area between the curb and outside lane where the project could potentially mitigate some slope impacts. Also, the installation of the city's preferred typical section in this area will impact some drainage inlets which would need to be reworked during construction.

Continuing south, the project would cross Hotel Avenue and the entrances to the Exxon gas station/service shop. At this location there are significant utility impacts which include large poles and above ground natural gas control boxes. According to available information the right of way is wide in this area and the city could use this space to mitigate utility impacts but would require taking space that is currently being utilized by the gas station/ service shop for parking.

The rest of the project heading south has relatively flat topography and impacts from construction should be limited to small impacts outside the right of way for slope tie-ins and sidewalk construction.

East Columbia Avenue / Ledgerwood Avenue from Harvey Street to Paige Street

There are several sections of East Columbia Avenue and Ledgerwood Avenue that present acute challenges to the preliminary plans that have been produced. Most notable in this area is the terrain, especially in the 500, 600, and 700 blocks of East Columbia Avenue. Along these blocks there are several yards with steep slopes up to the existing edge of pavement. With the typical section that is preferred by the city (2' landscaping and 5' sidewalk) the grading that would be necessary cannot be accomplished without leaving a slope difficult to maintain or potentially undermining the structure or utilities. The cost estimate includes a premium cost on excavation as all the grading work in this area will be done by very small equipment in small sections of open working area. There is also a significant amount of retaining wall to address areas that we believe cannot be replaced with slopes, and allowances for rails in some fill areas. In addition, there is a premium put on ROW cost as some residents may oppose a sidewalk or a retaining wall in front of their house and will argue their property is damaged beyond the cost of the fee simple ROW needed for construction.

The cost estimate also includes fences for homes with front yard fences and estimated quantities for concrete steps where walkway and steps will need to be relocated to accommodate the wider street. Some areas have

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significant landscaping and trees that are immediately adjacent to the existing street and potential on private ROW. Allowances are in the cost estimate to replace in kind the disturbed plantings on private property.

The presence of on-street parking presents some serious concerns for a few homes that do not have driveways or off-street parking. There are several homes that are served from the alleyway and others that are not set up for access to the home from the rear without having to walk through the yard to the front of the house. In particular, there is at least one known case where there is no driveway in front of the house and an above ground pool that precludes vehicular parking off the alley. Cost to cure estimates for these situations are included in the cost estimate and noted here in anticipation of push back from some neighbors.

Beaumont Avenue from McSpadden Street to West Baxter Avenue

The Beaumont Avenue project from McSpadden Street to West Baxter Avenue contains design elements that will need to be reviewed by the city and vetted through public input and stakeholder involvement. The most notable challenges to constructability are centered around these design elements as they include closing an existing alley, modification to control access, removing a street from the five-point intersection by making it a dead end.

The proposed changes better redefine this stretch of roadway, creating an improved sense of place for all adjacent landowners, and, most importantly, create a safe and efficient route to Beaumont Elementary School. Outside of these changes to the general character of the area, the additional challenges to construction are fairly typical including maintaining access to businesses and homes during construction, coordination with utilities, and building consensus with adjacent neighborhoods.

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Safety Projects

West Martin Mill Pike from Chapman Highway to Atlantic Avenue

The west side of West Martin Mill Pike from Chapman Highway to Atlantic Avenue is a residential corridor with existing drainage infrastructure. The most notable challenge of this project will be in creating a safe crossing on Chapman Highway, which will likely require full upgrades to the traffic signals at the intersection to accommodate new pedestrian signals, as well as a signal to control vehicular movements from southbound Chapman Highway onto West Martin Mill Pike where there is no existing traffic control.

Heading south from Chapman Highway, the topography adjacent to the roadway is relatively flat and the proposed project will afront three commercial properties. Through this section the primary conflicts that are anticipated include a utility pole, a fence, and commercial driveway impacts. The utility pole appears to hold telecommunication lines as well as 3-phase power lines and relocation will need to be coordinated with their respective owners. Additionally, south of Melbourne Avenue there is a drainage structure that falls outside of the roadway alignment and it will likely need to be adjusted or reworked to ensure proper drainage once the project is constructed. The cost estimate also includes fences and bollards for businesses where applicable.

There is existing underground drainage infrastructure at the northern end of the project, which is assumed to have sufficient capacity and be in good condition. There is no existing curb along the project, and it is possible that the addition of new curb and or gutter could create conditions that would necessitate the installation of additional new drainage infrastructure.

East Summit Hill Drive from South of Hall of Fame Drive to Patton Street

The Summit Hill Drive sidewalk project from south of Hall of Fame Drive to Patton Street has been included in the list of projects due to safety concerns along the stretch of road. This block of Summit Hill is near the downtown business district with multifamily housing along the south side of the road and a Weigel's gas station on the north side of road. Through the evaluation process, this project received high ranks due to pedestrian accidents within the block area. There is an existing signalized crosswalk at the intersection of Summit Hill Drive and Hall of Fame Drive, but the next crosswalk along Summit Hill Drive is approximately, 1800 feet with residential along the southern side. This is a long stretch to expect pedestrian to try and cross the road to reach a destination. An additional crosswalk either at the intersection as shown or at a mid-block crossing between the two existing crosswalks would serve the area and help prevent crossing the road at random points that vehicle traffic is not anticipating. Since this would not

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be a signalized crosswalk, the design should evaluate the use of static or flashing warning signs to assist vehicle traffic acknowledging the pedestrian crosswalk. Another consideration would be to install pedestrian safety rail along the sidewalk and road to help direct pedestrians to crossing points where traffic is anticipating.

Nadine Street from Coker Avenue to Cecil Avenue

The south/west Side of Nadine Street from Coker Avenue to the Cecil Avenue is a residential corridor with varying topography and no existing drainage infrastructure. The most notable challenge of this project will be the installation of a new drainage infrastructure system, which will require significant excavation and grading to ensure proper drainage is maintained without creating adverse conditions for adjacent properties and vehicles travelling through the project area.

There are a few points along the proposed project limits where adjacent topography is steep and will necessitate the installation of retaining walls. At the apartment complex near Coker Avenue, there is a potential parking impact of one to two spaces to accommodate the new driveway tie-in. In general, the homes are set back far enough from the road to limit concerns regarding grading issues and driveway tie-ins. The last home at the south end of the job is relatively close to the roadway and a retaining wall will likely be required to construct the sidewalk without impacting the structure.

The primary conflicts that are anticipated include utility poles, landscaping, driveway, and right-of-way impacts. The utility poles appear to hold telecommunication lines as well as power service drops and relocations will need to be coordinated with their respective owners. The cost estimate includes quantities for concrete walkways where walkway and steps will need to be relocated to accommodate the sidewalk. Some areas have landscaping and trees that are immediately adjacent to the existing street and potentially on private right-of-way. Allowances are in the cost estimate to replace in kind the disturbed plantings on private property.

There is no existing curb along the project and it is anticipated that the addition of new curb and or gutter will create conditions that would necessitate the installation of a new drainage infrastructure system.

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Henegar Street from Atlantic Avenue to Ledgerwood Avenue

The east side of Henegar Street from Atlantic Avenue to the Ledgerwood Avenue is a residential corridor with existing drainage infrastructure. The most notable challenges of this project will be in the first block from Ledgerwood Avenue to Oglewood Avenue where the road is narrow and the homes are in close proximity to the existing pavement with steep topography which will likely necessitate a variance from the city's preferred typical section and the construction of retaining walls to be able to install a sidewalk through this section.

Heading north from Oglewood Avenue, the homes are set back further from the roadway and the topography is significantly flatter. Through this section the primary conflicts that are anticipated include utility pole, fence, and right of way impacts. The utility poles appear to hold telecommunication lines as well as power service drops, and relocations will need to be coordinated with their respective owners. Additionally, south of Melbourne Avenue there is a drainage structure that falls outside of the roadway alignment and it will likely need to be adjusted or reworked to ensure proper drainage once the project is constructed.

The cost estimate also includes fences for homes with front yard fences and estimated quantities for concrete walkways where walkway and steps will need to be relocated to accommodate the sidewalk. Some areas have landscaping and trees that are immediately adjacent to the existing street and potentially on private ROW. Allowances are in the cost estimate to replace in kind the disturbed plantings on private property.

There is existing underground drainage infrastructure along the route, and it is assumed to have sufficient capacity and be in good condition. There is no existing curb along the route, and it is possible that the addition of new curb and or gutter could create conditions that would necessitate the installation of additional new drainage infrastructure.

Some of the northern sections of Henegar Street have areas being utilized for on-street parking, but where applicable all homes appear to have private driveways.

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INDEX

SHEET NO.	SHEET NAME
1	TITLE SHEET
2	CONFLICT REVIEW/ COST ESTIMATION
3-5	PROPOSED OPTION 1 - WITH AERIAL
5-8	PROPOSED OPTION 1 - NO AERIAL

CITY OF

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(PROJECT LENGTH

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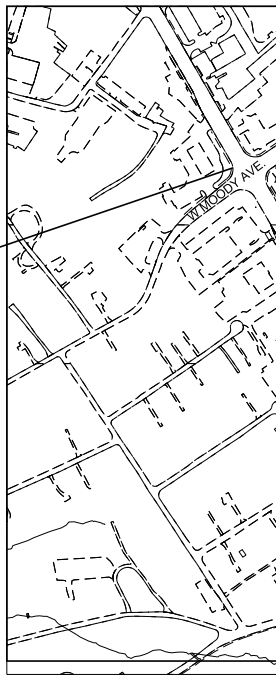
BEGIN PROJECT STA. 10+95.62



SPECIAL NOTES

PROPOSALS MAY BE REJECTED BY THE CITY TRANSPORTATION ENGINEER IF ANY OF THE UNIT PRICES CONTAINED THEREIN ARE OBVIOUSLY UNBALANCED, EITHER EXCESSIVE OR BELOW THE REASONABLE COST ANALYSIS VALUE.

THIS PROJECT TO BE CONSTRUCTED UNDER THE STANDARD SPECIFICATIONS OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION DATED JANUARY 1, 2015 AND ADDITIONAL SPECIFICATIONS AND SPECIAL PROVISIONS CONTAINED IN THE PLANS AND IN THE PROPOSAL CONTRACT.

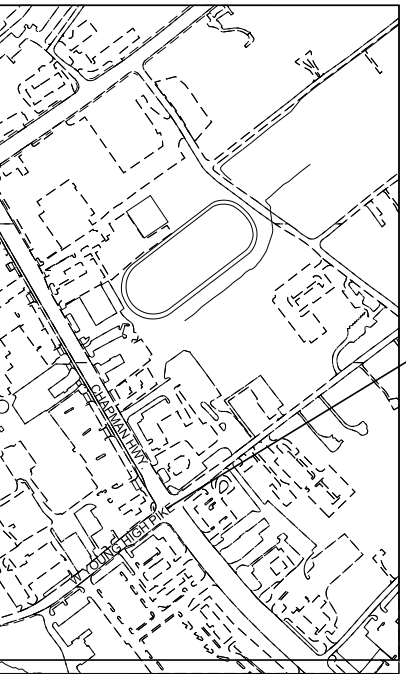
ALL CONSTRUCTION ACTIVITIES SHALL BE COMPLETED IN FULL COMPLIANCE WITH THE AMERICANS WITH DISABILITES ACT (ADA) AND ARCHITECTURAL AND TRANSPORTATION BARRIERS COMPLIANCE BOARD, FEDERAL REGISTER 36CFR PART 1191, ACCESSIBILITY GUIDLINES FOR BUILDINGS AND FACILITIES; ARCHITECTURAL BARRIERS ACT (ABA) ACCESSIBILITY GUIDLINES; PROPOSED RULE, PUBLISHED IN THE FEDERAL REGISTER ON SEPTEMBER 15, 2010, AS HAS BEEN ADOPTED BY METRO.

FILE NO.	TITLE.SHT
DATE:	05-28-2020
DESIGNED BY:	CJL
DRAWN BY:	CJL
CHECKED BY:	JSS
REVISION BLOCK	
DATE:	
DATE:	
DATE:	

KNOXVILLE

MAN HIGHWAY
K IMPROVEMENTS
AVE. TO W YOUNG HIGH PIKE
H APPROXIMATELY 1460 FT)

PROJECT NO. 43803.00
PRELIMINARY DESIGN



END PROJECT STA. 25+54.02

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CIVIL ENGINEER-
Gresham Smith
2095 LAKESIDE CENTRE WAY, SUITE 120
KNOXVILLE, TENNESSEE, 37922
(865)521-6777 TELEPHONE
CONTACT: SHAP STILES, P.E.

SHEET 1 OF 8

PRELIMINARY DESIGN REVIEW

PROJECT NAME: Chapman Hwy. from W Moody Ave to W Young High Pike
PROJECT NO: 43803
DATE: June 10, 2020

OPTIONS	Existing Pavement Width (EOP to EOP)	Proposed Side of Road	Proposed Pavement Width (EOP to EOP)	Proposed Curb and Gutter/ Post Curb	Proposed Sidewalk Width	Proposed Grass Strip Width	Proposed Bicycle Zone	Power Pole Conflicts	Sanitary Sewer Conflicts	W
Option 1	50'-52'	North	50'-52'	Post Curb	5'	0'	0'	7	0	

Sidewalk Length = 1460'

Option 1
- 6' sidewalk, post curb for bike lane.
- Requires 0 ROW takes
- Relocate 2 signs
- Existing gas line runs under entire project area
- 12 trees to be removed
- Closing 3 existing driveway entrances for acsess control

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Arterial Boulevard Sidewalk Estimate ($/lf)	Percent/Length	Cost/lf
Sidewalks - Arterial Roadways	100%	$582
Drainage	90%	$258
Contingency 10%	10%	
Engineering/CEI 25%	25%	
RoW - Residential Roadways	0%	$0
RoW - Commercial Arterial Boulevard Roadways	10%	$4
Easement - Arterial Boulevard Urban	75%	$30
Damages - Arterial Boulevards Urban	50%	$13
Appraisal/closing	100%	$13
	Project length	**1460**
	Estimated Cost:	**$1,775,000**
	Cost/lf:	**$1,216**
	Sidewalks - Arterial Roadways	$849,868.17
	Drainage	$376,680
	Sub-Total Construction Costs:	**$1,227,000**
	Contingency 10%	**$123,000**
	Total Construction Costs:	**$1,350,000**
	Engineering/CEI 25%	**$338,000**
	RoW - Residential Roadways	$0
	RoW - Commercial Arterial Boulevard Roadways Urban	$5,840
	Easement - Arterial Boulevard Urban	$43,800
	Damages - Arterial Boulevards Urban	$18,250
	Appraisal/closing	$18,980
	RoW & Easement Acquisition/Damages/Appraisals	**$87,000**

ITEM	
105-01.01	Constructi
203-01	Road and
203-07	Furnishing
303-01	Min. Agg.
307-01.01	Asphalt C
307-01.08	Asph. Con
402-01	Bit. Mat'l.
402-02	Agg. for C
403-01	Bit. Mat'l f
407-02.13	Remove &
407-20.05	Saw Cut A
411-01.02	Asphalt C
502-04.01	Saw Cut C
604-01.02	Steel Bar
701-01.01	Concrete
701-01.02	Conc. Driv
701-02.01	Concrete
701-02.02	Concrete
702-01	Conc. Pos
712-04.01	Flexible Dr
712-05.01	Warning L
712-06	Signs (Co
712-07.03	Temporary
712-08.06	Uniformed
716-02.09	Plastic Pa
716-02.05	Plastic Pa
740-11.02	Temporary
801-01	Seeding (v
802-08.04	Tree Rem
PW-DW-001	Detectable
SP-7	Permits
SP-10	Furnish an
WS-2	Adj. of Wa

OPTIONS

ater Meter, Valve, and Hydrant Conflicts	Gas Conflicts	Drainage Conflicts	Sign Conflicts	Mailbox Conflicts	Tree and Bush Conflicts	*ROW Req'd.		*Temp. Const. Esmt. Req'd.	Drainage Design Req'd.
5	0	2	2	0	12	no	(0)	yes	yes

*No. of Properties (0)

DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	COST ESTIMATED
on stakes, lines, grades	58	HR	$140.00	$8,176.00
Drainage Exc (uncl)	1,081	CY	$50.00	$54,074.07
& Spreading Topsoil	1,947	SY	$9.00	$17,520.00
Type A Base, Gr. D	431	TN	$40.00	$17,231.60
oncrete Mix (PG64-22) (BPMB-HM) Grad	75	TON	$110.00	$8,208.44
c. Mix (PG64-22) B-M2	37	TN	$350.00	$12,831.78
for Prime Coat (PC)	0.5	TN	$600.00	$294.95
Cover Mat'l.	1.9	TN	$20.00	$38.93
for Tack Coat (TC)	0.1	TN	$2,500.00	$175.57
Dispose Exist. Asp. .	68	CY	$20.00	$1,351.85
Asphalt Pavement	1,460	LF	$4.00	$5,840.00
oncrete Mix Grading "D"	26	TN	$400.00	$10,317.33
Conc. (0-8")	216	LF	$15.00	$3,240.00
Reinforcement (Rdwy)	140	LB	$2.00	$279.96
Sidewalk (4") (ST-210)	5,500	SF	$8.00	$44,000.00
veway (6")(w/WWM) (ST-322)	5,400	SF	$11.00	$59,400.00
Curb Ramp-6" (ST-320)	2,178	SF	$33.00	$71,874.00
Driveway 8"(w/ wire mesh) (ST-324)	2,520	SF	$11.00	$27,720.00
t Curb (ST-201)	1,460	LF	$176.05	$257,033.00
rums (Channelizing)	73	EA	$30.00	$2,190.00
ight (Type "A")	73	EA	$30.00	$2,190.00
nstruction)	672	SF	$15.00	$10,080.00
y Barricades, Type III	144	LF	$17.00	$2,448.00
Policeman	934	HR	$40.00	$37,376.00
vement Marking (Cross-Walk)	1,056	LF	$55.00	$58,080.00
vement Marking (Stop Line)	528	LF	$30.00	$15,840.00
y Sediment Tube 12In (Description)	1,460	LF	$4.00	$5,840.00
with mulch)	1,947	SY	$10.00	$19,466.67
oval	288	IN	$50.00	$14,400.00
e Warnings (Specification 02523) (ST-32	90	SF	$30.00	$2,700.00
	59	DAY	$250.00	$14,750.00
d Install Project Signs	2	EA	$750.00	$1,500.00
ater Meters (0-2')	10	EA	$500.00	$5,000.00
			Subtotal	$849,868.17
	Estimated Cost			$849,868.17

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20' 0 10' 20' 30' 40'

SCALE: 1"=20'

FILE NO.	
DATE:	05-28-2020
DESIGNED BY:	CJL
DRAWN BY:	CJL
CHECKED BY:	JSS
REVISION BLOCK	
DATE:	
DATE:	
DATE:	

CITY OF KNOXVILLE

PROJECT NO. 43803.00

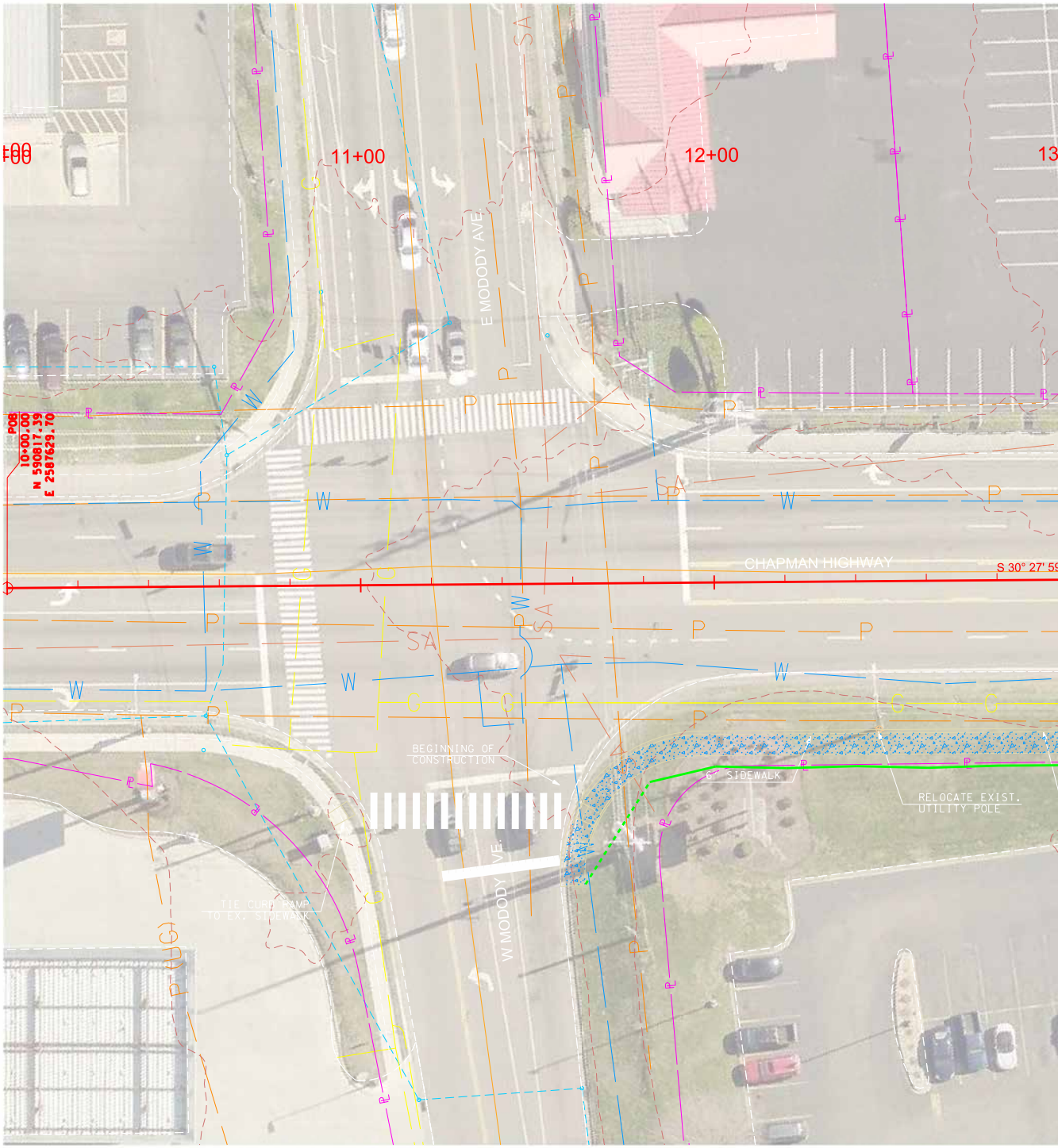
CHAPMAN HIGHWAY SIDEWALK IMPROVEMENTS

CONFLICT REVIEW/ COST ESTIMATION

SCALE: N.T.S.

SHEET 2 OF 9A

Chapman Highway Sidewalk Improvements



NOTES:
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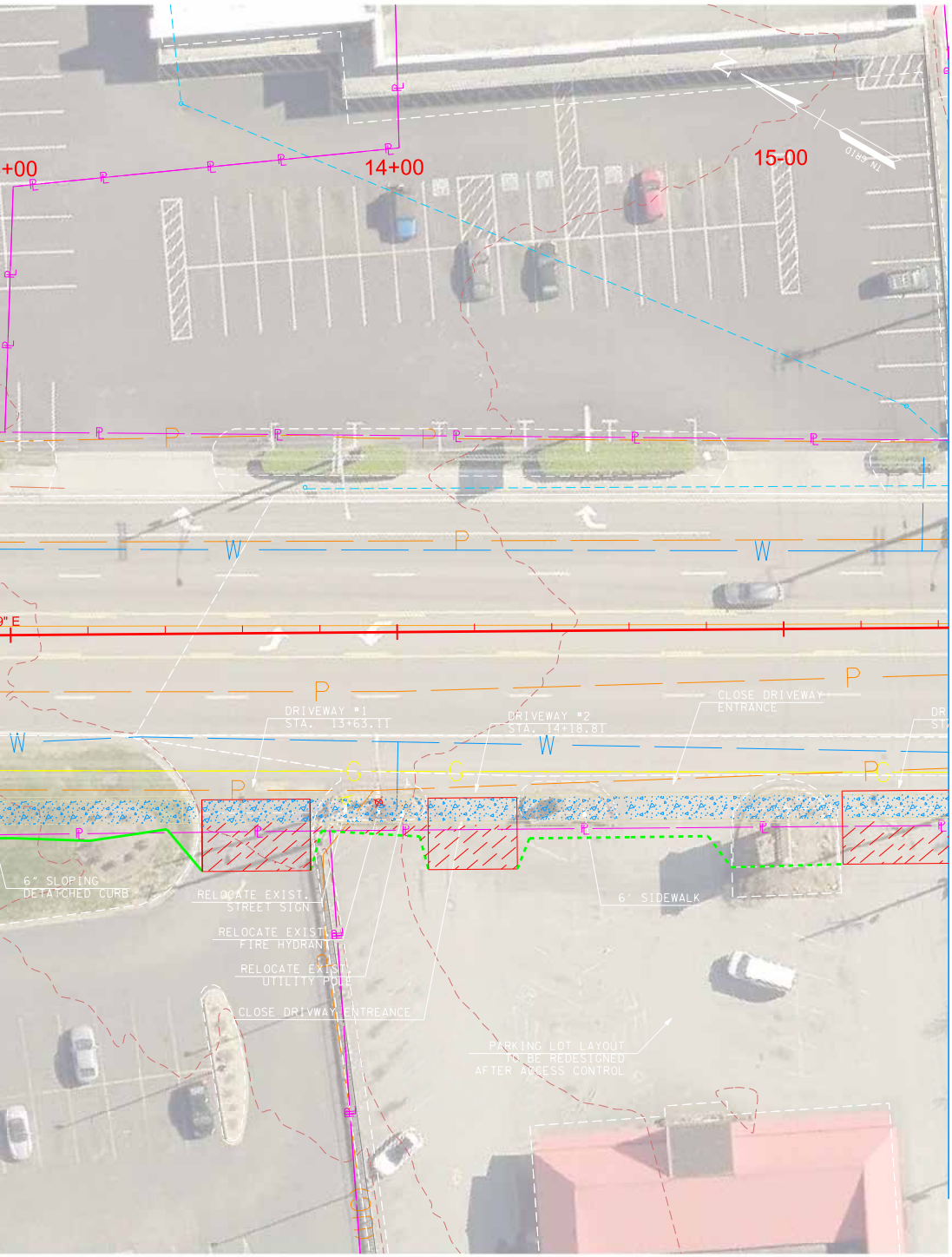
2.FILL LINES AND DRIVEWAY TIE-INS ARE APPROXIMATE AND MAY REQUIRE MORE SPACE THEN SHOWN.
3.RELOCATE ALL SIGNS SO THEY REMAIN IN THE FURNISHING ZONE.

LEGEND
- CONCRETE
- GRAVEL
- ASPHALT
- FILL
- CUT



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CITY OF KNOXVILLE

PROJECT NO. 43803.00

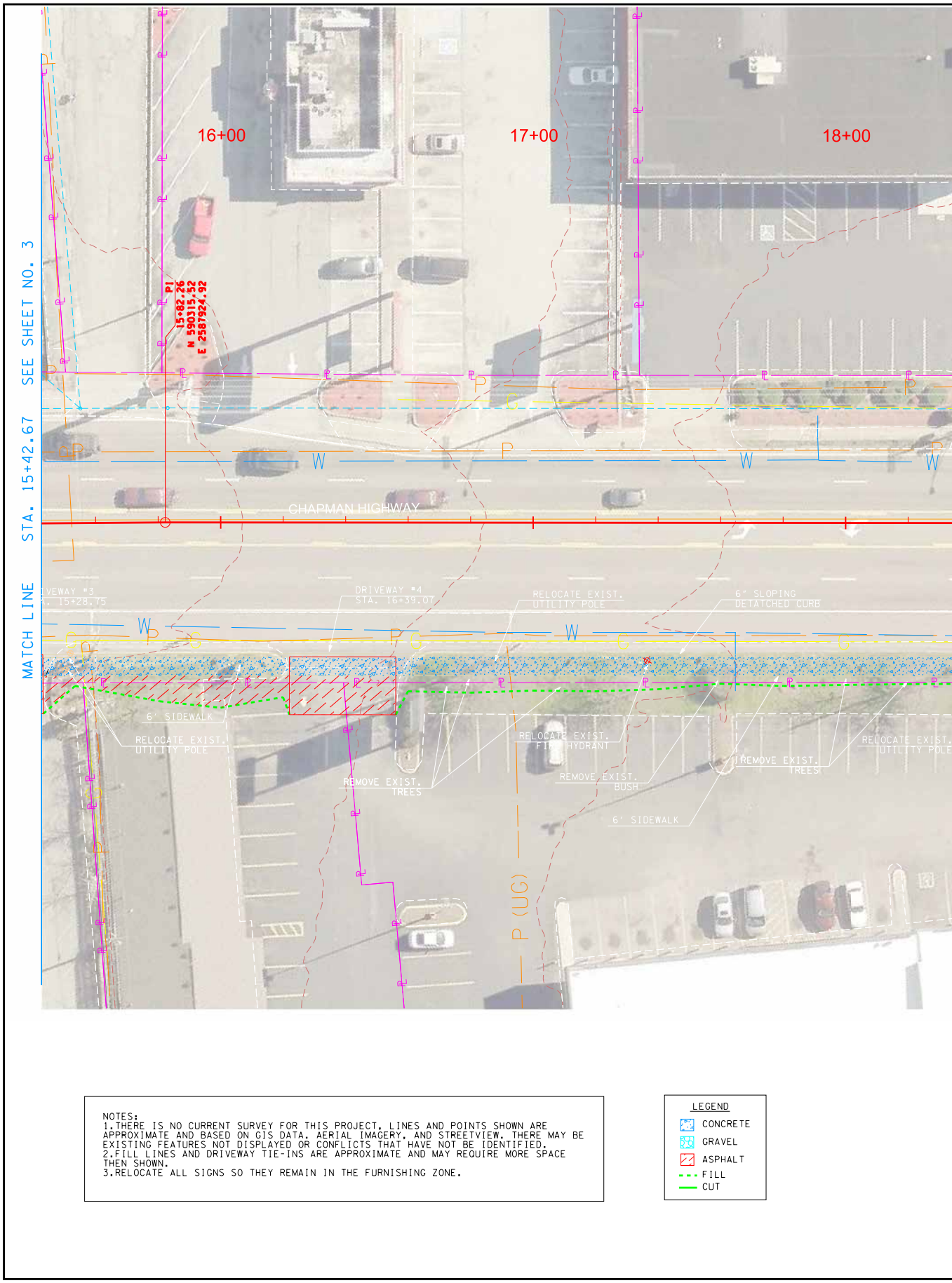
CHAPMAN HIGHWAY SIDEWALK IMPROVEMENTS

PROPOSED OPTION 1 WITH AERIAL

SCALE: 1" = 20'

SHEET 3 OF 8

Chapman Highway Sidewalk Improvements



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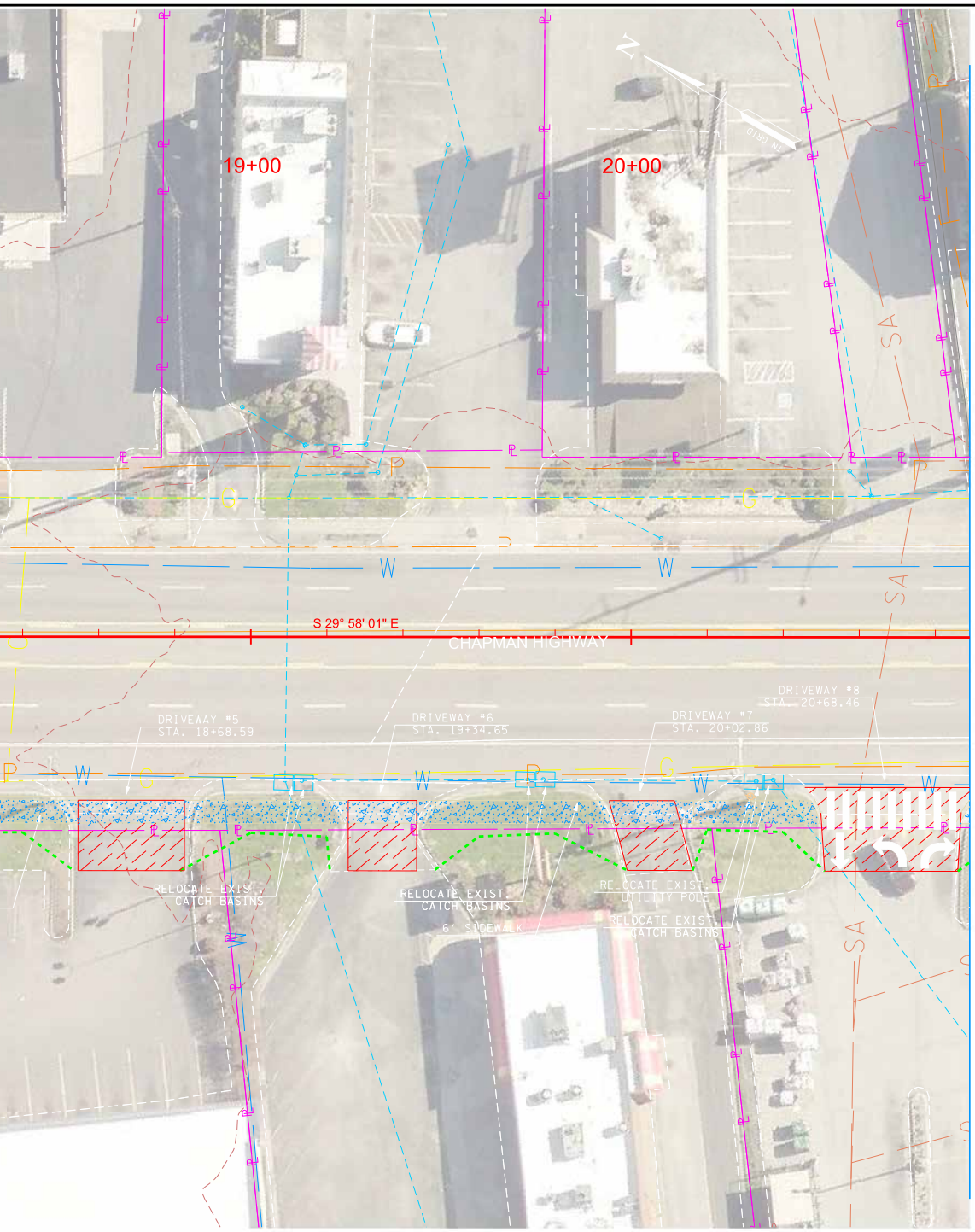

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CITY OF KNOXVILLE

PROJECT NO. 43803.00

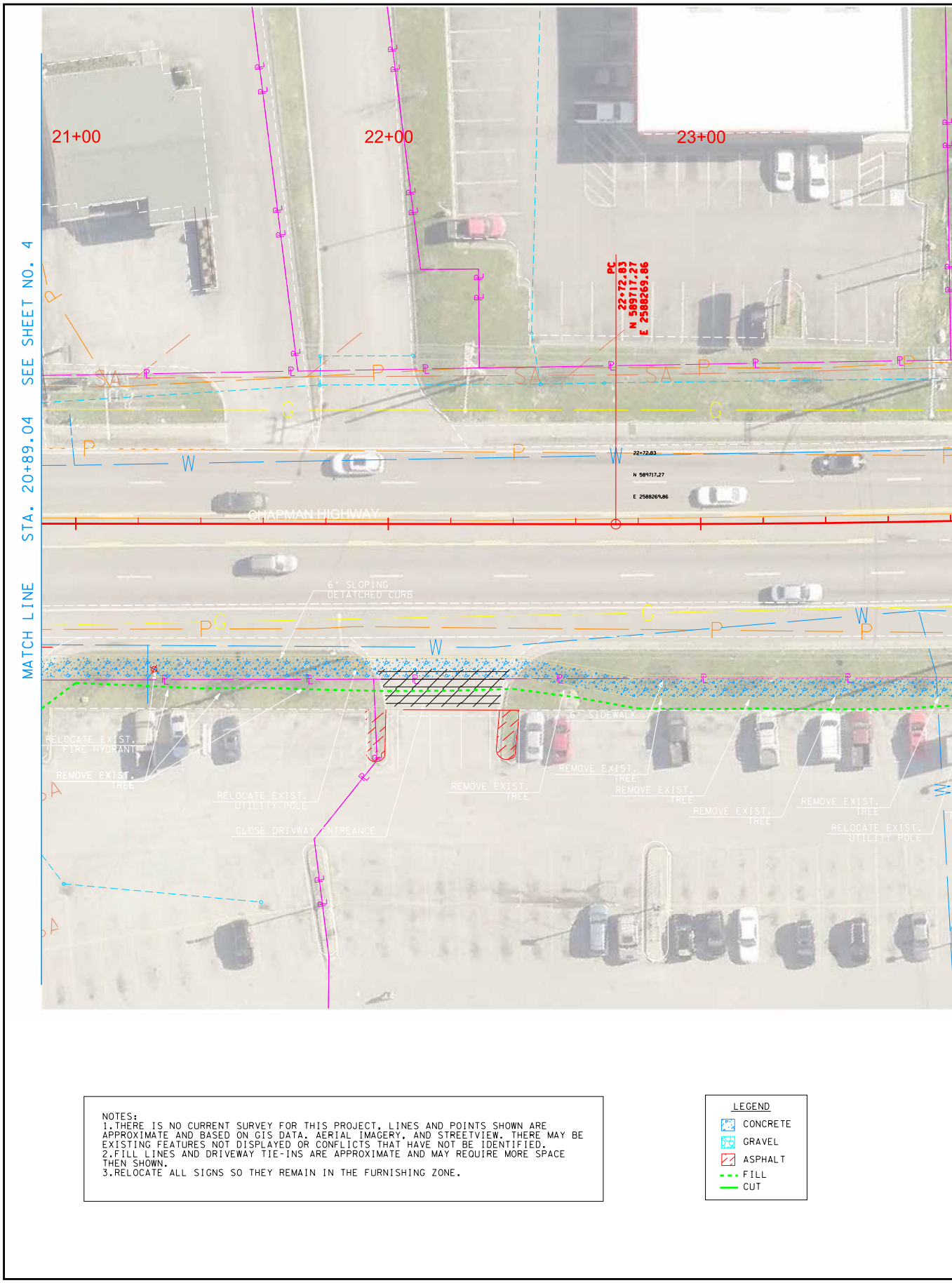
CHAPMAN HIGHWAY SIDEWALK IMPROVEMENTS

PROPOSED OPTION 1 WITH AERIAL

SCALE: 1" = 20'

SHEET 4 OF 8

Chapman Highway Sidewalk Improvements



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- GRAVEL
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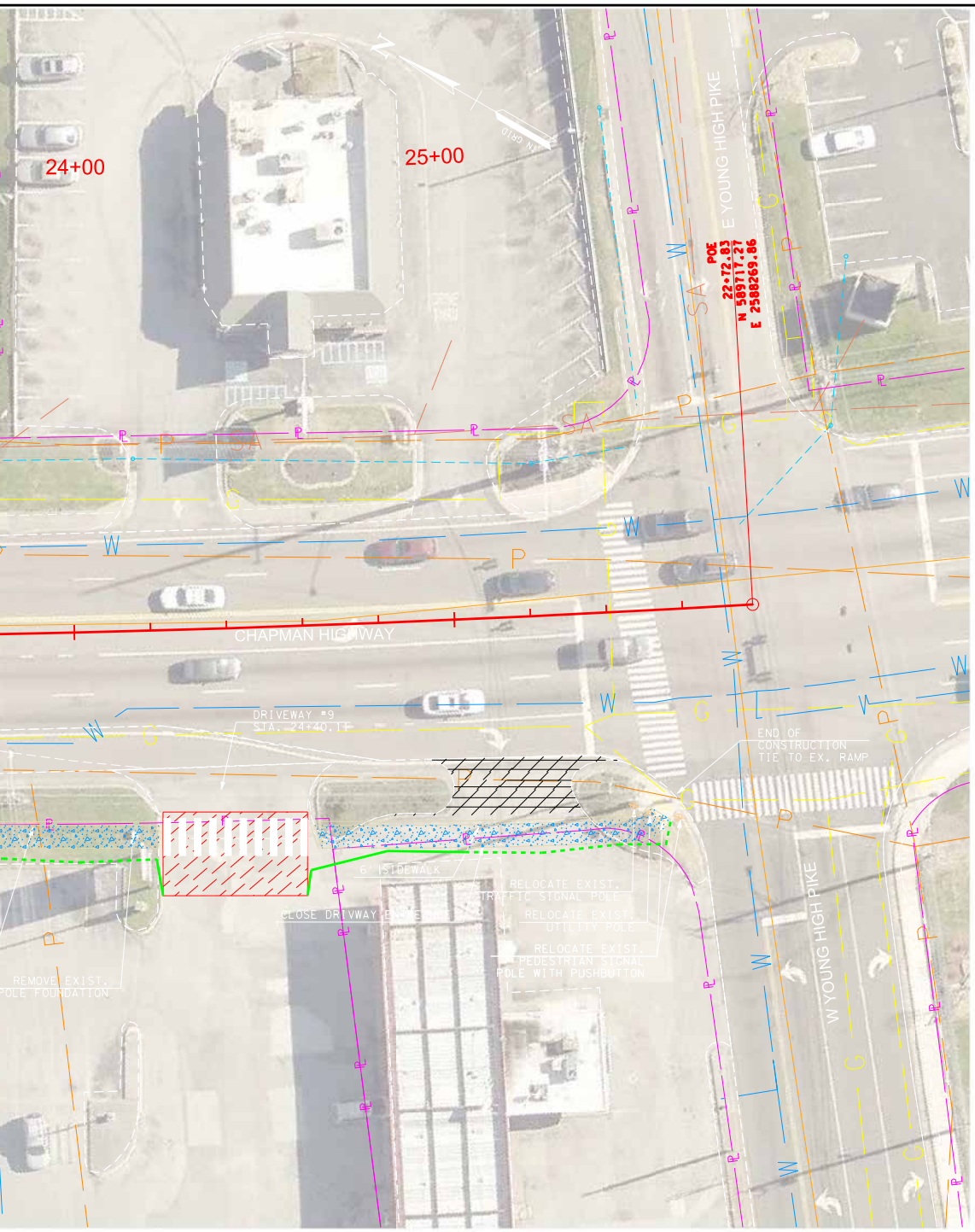

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CITY OF KNOXVILLE

PROJECT NO. 43803.00

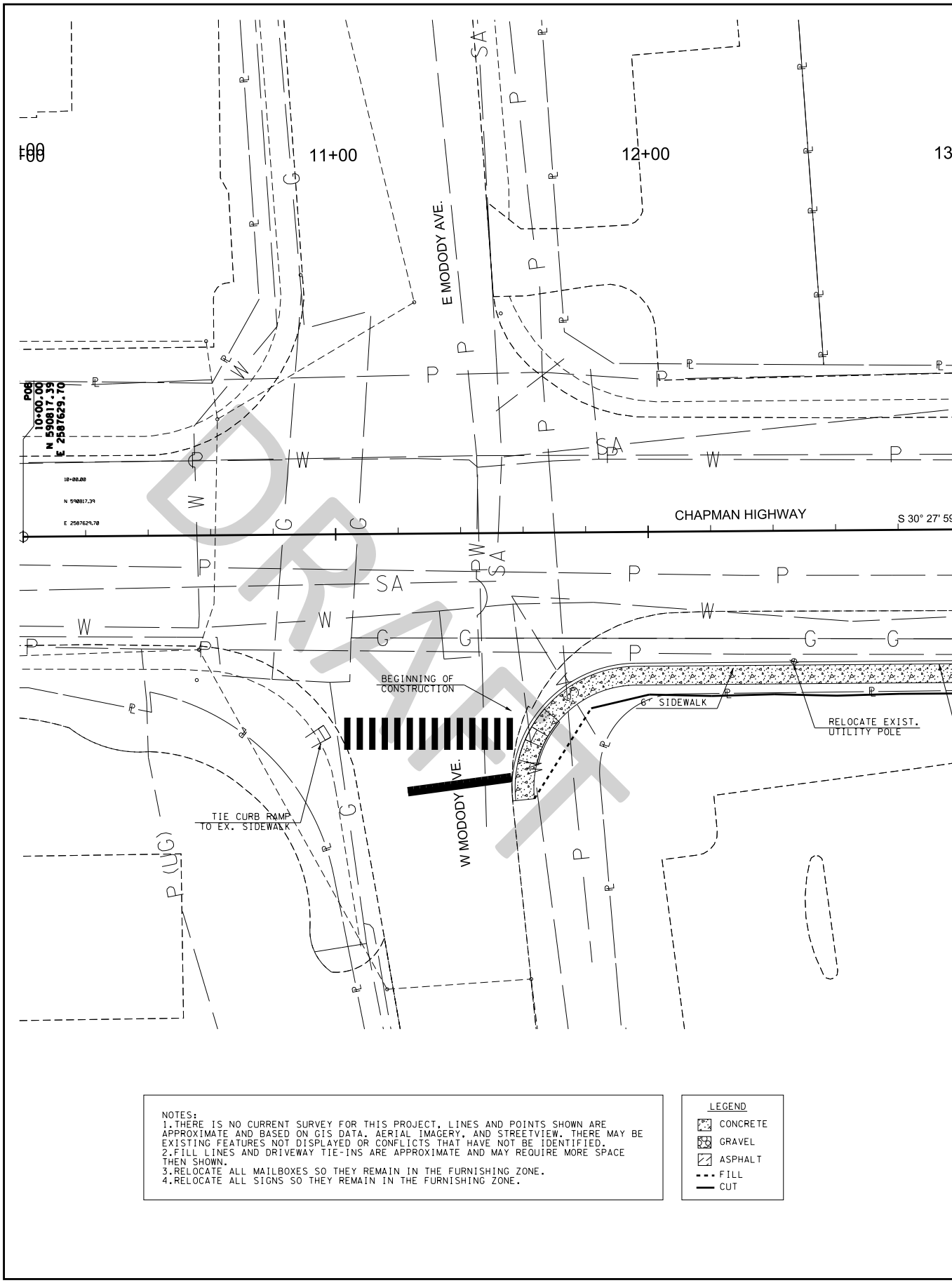
CHAPMAN HIGHWAY SIDEWALK IMPROVEMENTS

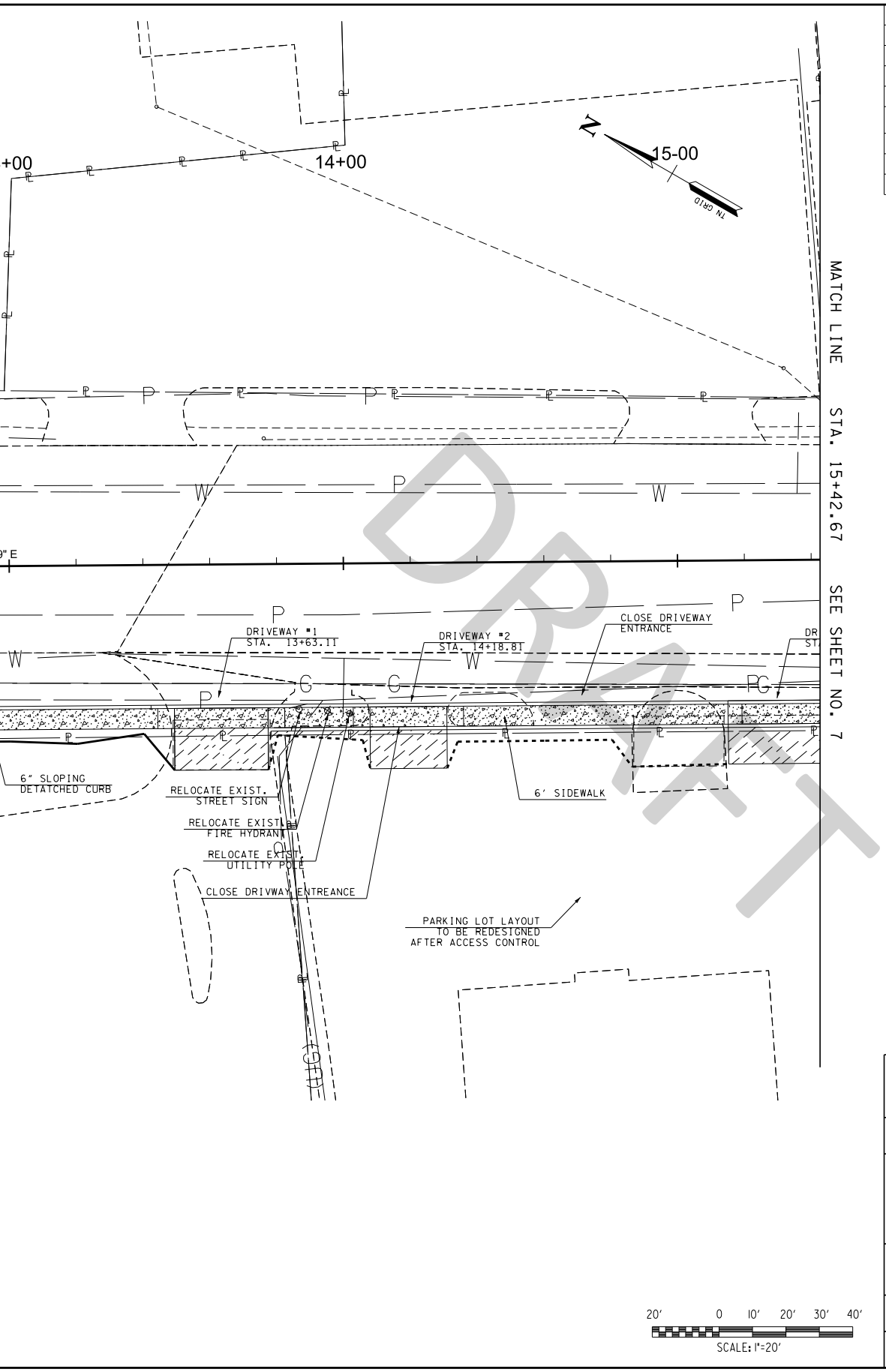
PROPOSED OPTION 1 WITH AERIAL

SCALE: 1" = 20'

SHEET 5 OF 8

Chapman Highway Sidewalk Improvements





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CITY OF KNOXVILLE

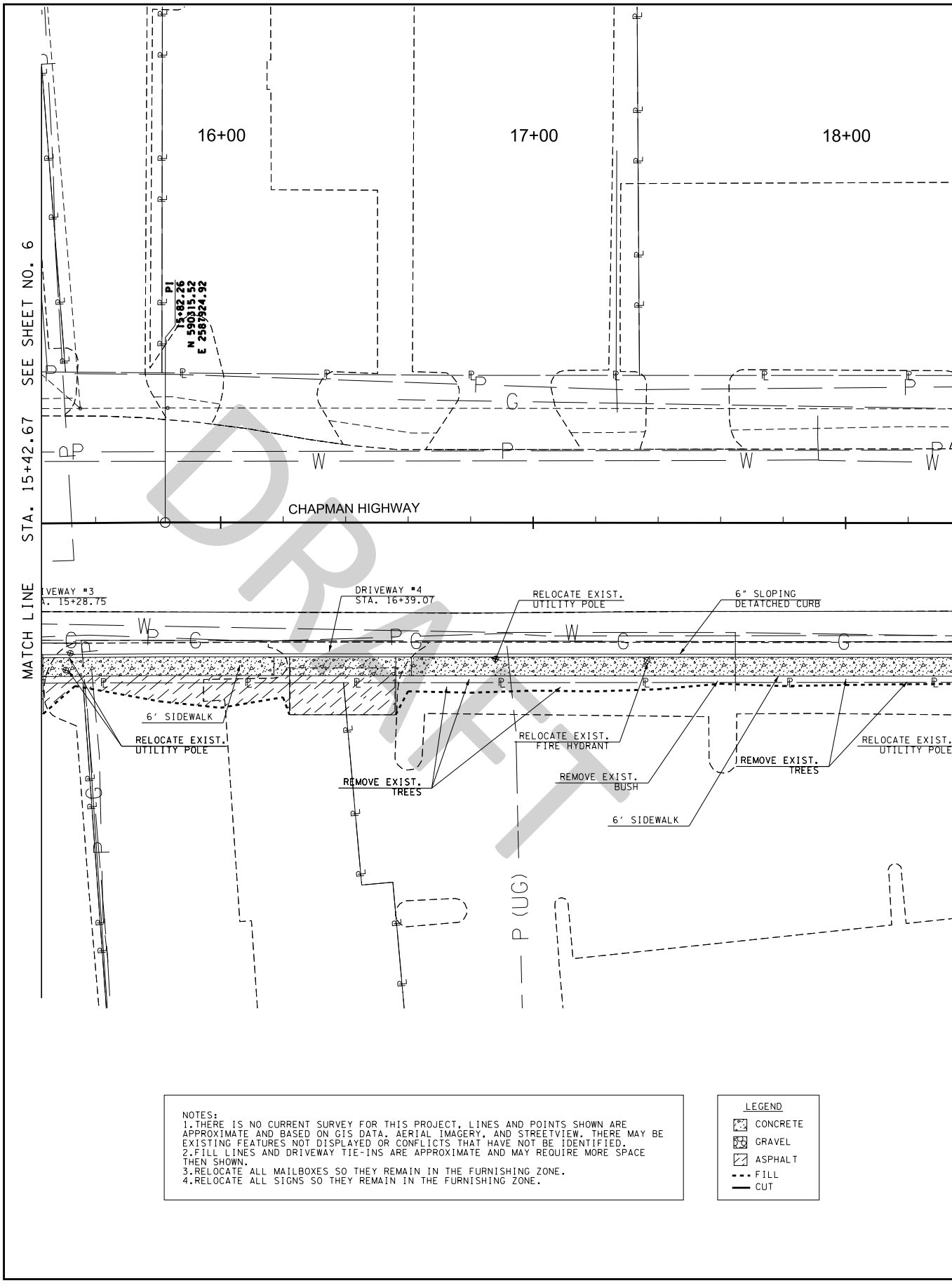
PROJECT NO. 43803.00

CHAPMAN HIGHWAY SIDEWALK IMPROVEMENTS

PROPOSED OPTION 1
WITH NO AERIAL

SCALE: 1" = 20'

SHEET 6 OF 8



NOTES:
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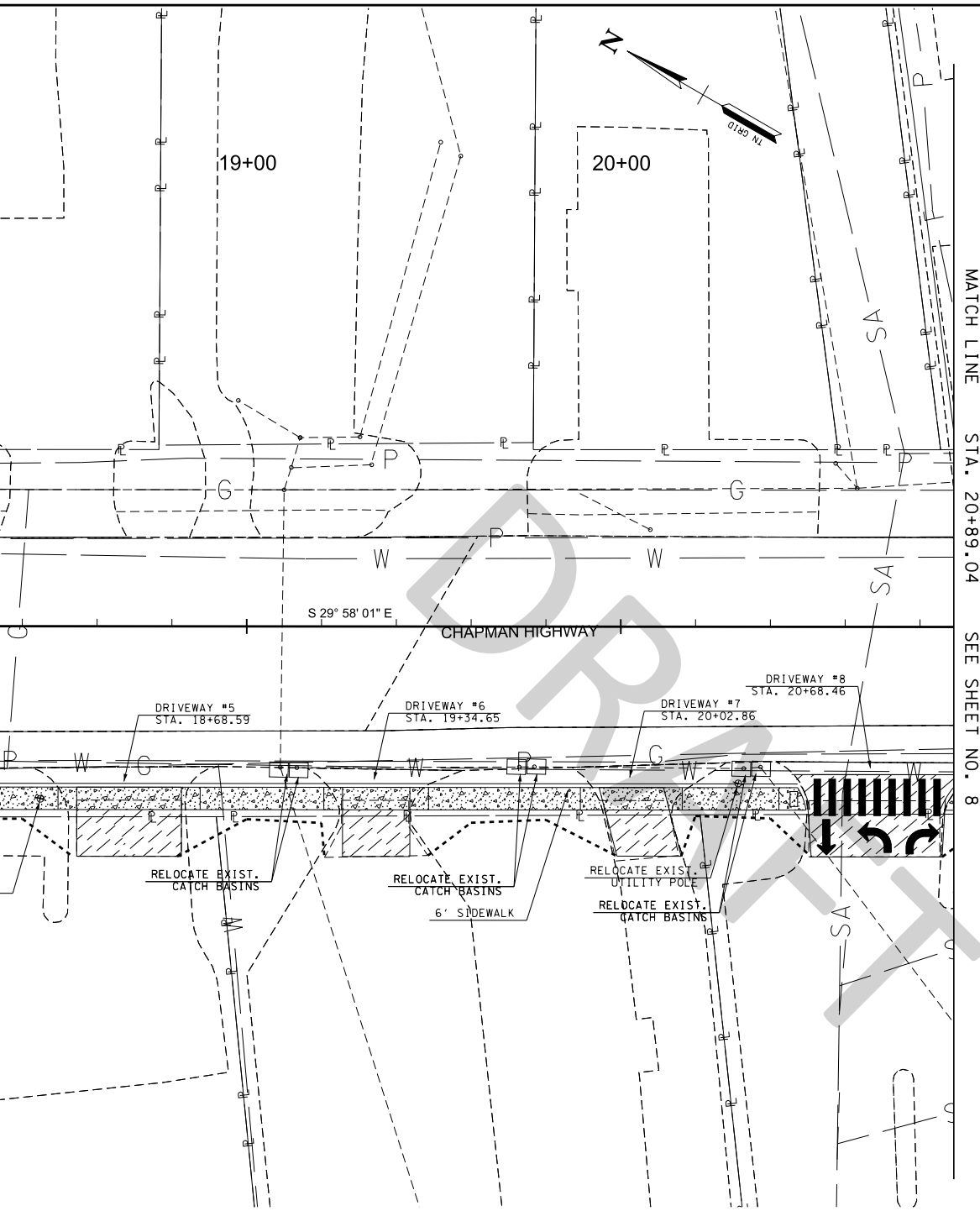
2. FILL LINES AND DRIVEWAY TIE-INS ARE APPROXIMATE AND MAY REQUIRE MORE SPACE THEN SHOWN.
3. RELOCATE ALL MAILBOXES SO THEY REMAIN IN THE FURNISHING ZONE.
4. RELOCATE ALL SIGNS SO THEY REMAIN IN THE FURNISHING ZONE.

LEGEND
- CONCRETE
- GRAVEL
- ASPHALT
- FILL
- CUT



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DATE:	05-28-2020
DESIGNED BY:	CJL
DRAWN BY:	CJL
CHECKED BY:	JSS

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CITY OF KNOXVILLE

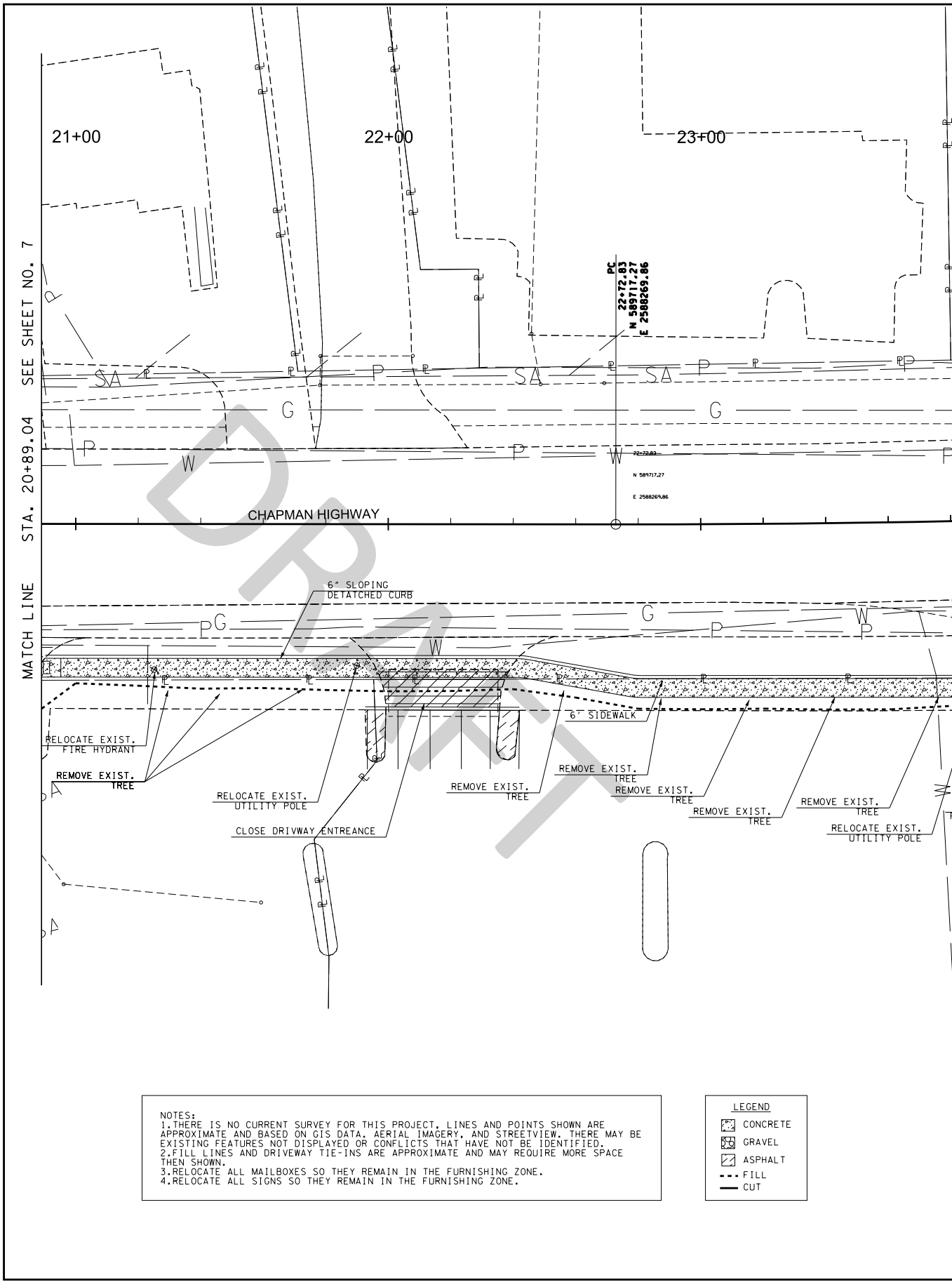
PROJECT NO. 43803.00

CHAPMAN HIGHWAY SIDEWALK IMPROVEMENTS

PROPOSED OPTION 1 WITH NO AERIAL

SCALE: 1" = 20'

SHEET 7 OF 8


21+00
22+00
23+00
MATCH LINE STA. 20+89.04 SEE SHEET NO. 7
PC
22+72.83
N 589717.27
E 2588269.86
CHAPMAN HIGHWAY
6" SLOPING DETATCHED CURB
6" SIDEWALK
RELOCATE EXIST. FIRE HYDRANT
REMOVE EXIST. TREE
RELOCATE EXIST. UTILITY POLE
CLOSE DRIVWAY ENTREANCE
REMOVE EXIST. TREE
REMOVE EXIST. TREE
REMOVE EXIST. TREE
REMOVE EXIST. TREE
REMOVE EXIST. TREE
RELOCATE EXIST. UTILITY POLE
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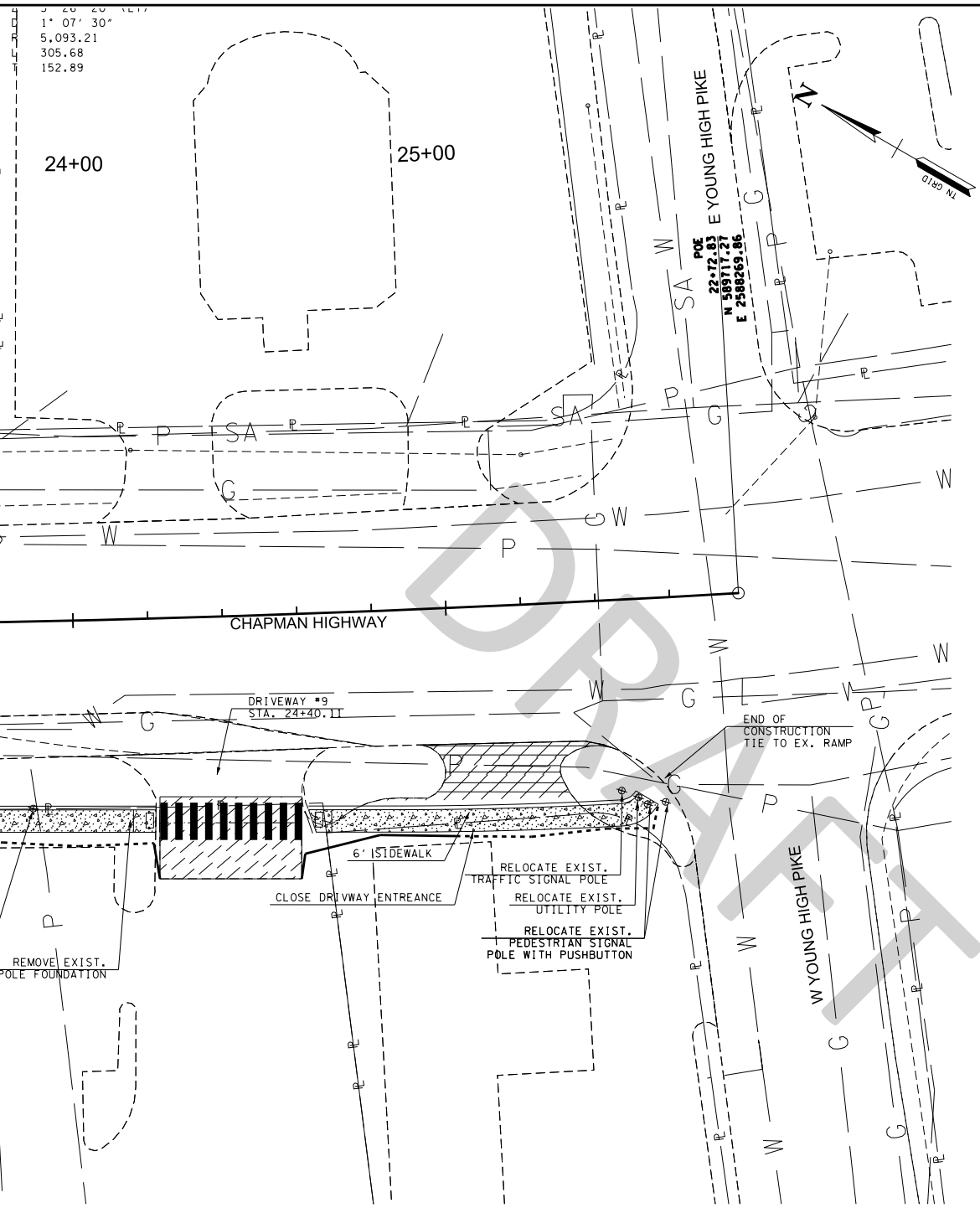
LEGEND
CONCRETE
GRAVEL
ASPHALT
FILL
CUT

DRAFT



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CITY OF KNOXVILLE

PROJECT NO. 43803.00

CHAPMAN HIGHWAY SIDEWALK IMPROVEMENTS

PROPOSED OPTION 1 WITH NO AERIAL

SCALE: 1" = 20′

SHEET 8 OF 8

INDEX

SHEET NO.	SHEET NAME
1	TITLE SHEET & INDEX
2	DESIGN REVIEW AND CONSTRUCTION ESTIMATE
3-4	PROPOSED OPTION 1
5-6	PROPOSED OPTION 1- NO AERIAL
7	PROPOSED DRIVEWAY PROFILES

CITY OF

MIDDLE
SIDEWALK
FROM VANOSDALE RO
(PROJECT LENGTH A

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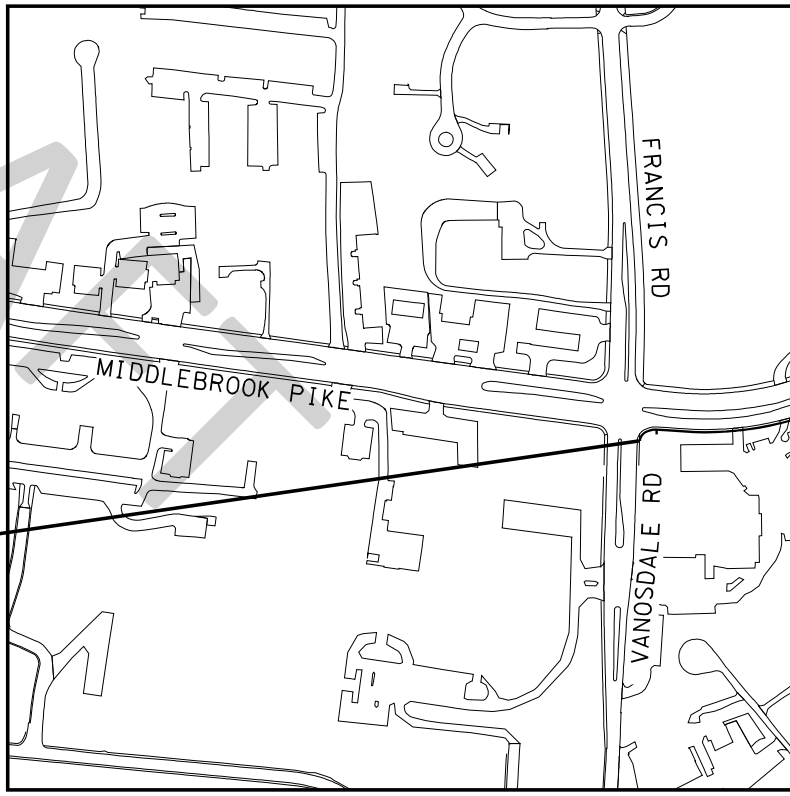

BEGIN PROJECT STA 10+76.04

SC

SPECIAL NOTES

PROPOSALS MAY BE REJECTED IF ANY OF THE UNIT PRICES CONTAINED THEREIN ARE OBVIOUSLY UNBALANCED, EITHER EXCESSIVE OR BELOW THE REASONABLE COST ANALYSIS VALUE.

THIS PROJECT TO BE CONSTRUCTED UNDER THE STANDARD SPECIFICATIONS OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION DATED JANUARY 1, 2015, AND ADDITIONAL SPECIFICATIONS AND SPECIAL PROVISIONS CONTAINED IN THE PLANS AND IN THE CONTRACT.

ALL CONSTRUCTION ACTIVITIES SHALL BE COMPLETED IN F
COMPLIANCE WITH THE AMERICANS WITH DISABILITIES ACT
AND ARCHITECTURAL AND TRANSPORTATION BARRIERS COM
BOARD, FEDERAL REGISTER 36CFR PART 1191,
ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES;
ARCHITECTURAL BARRIERS ACT (ABA) ACCESSIBILITY GUIDEL
PROPOSED RULE, PUBLISHED IN THE FEDERAL REGISTER ON
SEPTEMBER 15, 2010, AS HAS BEEN ADOPTED BY METRO.

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KNOXVILLE

PROJECT NO. 43803.00
PRELIMINARY DESIGN

BROOK PIKE
IMPROVEMENTS
AD TO WEST HILLS ROAD
APPROXIMATELY 946 FT)

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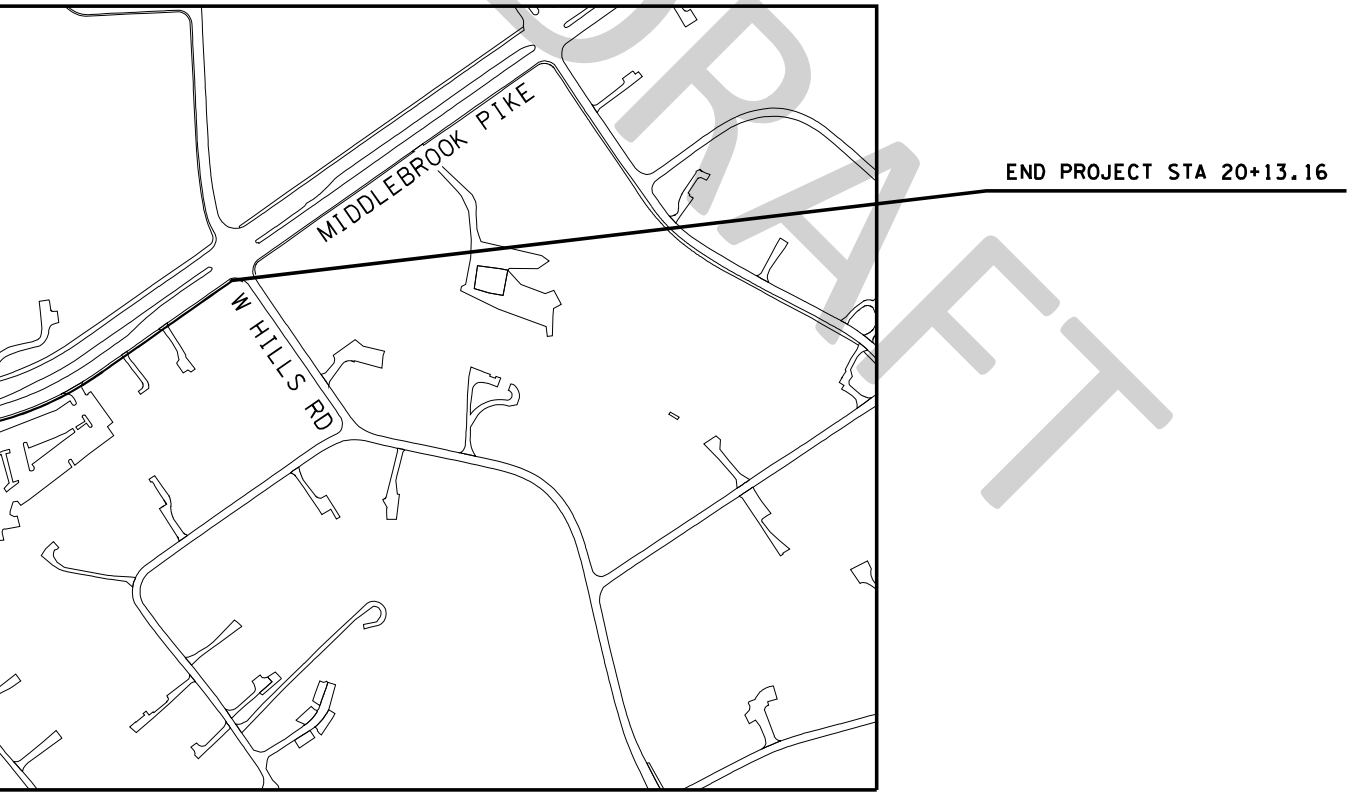

CALE: 1"=200'

FULL
(ADA)
MPLIANCE

LINES:
N

CIVIC
ENGINEERING | TECHNOLOGY | PROGRESS
25 LINDSLEY AVENUE, NASHVILLE, TN 37210
(615) 425-2000

Sheet 1 of 7

PRELIMINARY DESIGN REVIEW OPTIONS

PROJECT NAME: Middlebrook Pike from Vanosdale Road to West Hills Road Sidewalk Improvements
PROJECT NO: 43803.00
DATE: June 9, 2020

OPTIONS	Existing Pavement Width (EOP to EOP)	Proposed Side of Road	Proposed Pavement Width (EOP to EOP)	Proposed Curb and Gutter/ Post Curb	Proposed Sidewalk Width	Proposed Grass Strip Width	Proposed Bicycle Zone	Water Meter, Valve, and Hydrant Conflicts
Option 1	23'	South	23'	Prop C&G	5'	2'	none	1

Sidewalk Length = 946 LF

Option 1

- Install 5' sidewalk and 2' furnishing zone; use existing C&G and construct C&G at driveway aprons and where repairs are necessary
- Bus stop at Middlebrook Pike and West Hills Road; may transition to no furnishing zone to grant access and reduce impact to landscaping
- Layout was not based on survey, so the number of conflicts and the design is subject to change. Cut/fill and driveway tie-in lengths are an approxi
- Layout to be adjusted around utilities at Vanosdale Road and Middlebrook Pike to minimize impacts; may need to take ROW
- Potential water meter, sanitary cleanout, water service line, and sanitary service line adjustments on each property
- Adjust or relocate 1 fire hydrant
- Relocate 2 signs
- Relocate 2 mailboxes
- Adjust 1 manhole (utility unknown)
- Reset existing fence along Middlebrook Pike side of 823 West Hills Road
- Transition sidewalk to no furnishing zone where necessary
- Potential tree impacts at 7208 Middlebrook Pike

Arterial Boulevard Sidewalk Estimate ($/lf)	Percent/Length	Cost/lf
Sidewalks - Arterial Roadways	100%	$301
Drainage	0%	$0
Retaining Wall 30%	0%	$0
Contingency 10%	10%	[redacted]
Engineering/CEI 25%	25%	[redacted]
RoW - Residential Roadways	40%	$2
RoW - Commercial Arterial Boulevard Roadways Urban	60%	$21
Easement - Arterial Boulevard Urban	100%	$40
Damages - Arterial Boulevards Urban	100%	$25
Appraisal/closing	100%	$13
	Project length	**946**
	Estimated Cost:	**$489,000**
	Cost/lf:	**$517**
Sidewalks - Arterial Roadways		$284,521
Drainage		$0
Retaining Wall 30%		$0
Sub-Total Construction Costs:		**$285,000**
Contingency 10%		**$29,000**
Total Construction Costs:		**$314,000**
Engineering/CEI 25%		**$79,000**
RoW - Residential Roadways		$1,892
RoW - Commercial Arterial Boulevard Roadways Urban		$19,866
Easement - Arterial Boulevard Urban		$37,840
Damages - Arterial Boulevards Urban		$23,650
Appraisal/closing		$12,298
RoW & Easement Acquisition/Damages/Appraisals		**$96,000**

Sidewalk C

ITEM	
105-01.01	C
203-01	F
203-07	F
303-01	M
307-01.01	A
307-01.08	A
402-01	B
402-02	A
403-01	B
407-02.13	F
407-20.05	S
411-01.02	A
502-04.01	S
701-01.01	C
701-01.02	C
701-02.01	C
701-02.02	C
707-06.05	F
712-04.01	F
712-05.01	W
712-06	S
712-07.03	T
712-08.06	U
716-02.09	P
716-02.05	P
716-12.01	E
740-11.02	T
801-01	S
802-08.04	T
PW-DW-001	D
SP-7	P
SP-10	P
WS-2	A

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Sign Conflicts	Mailbox Conflicts	*ROW Req'd.	*Temp. Const. Esmt. Req'd.	Drainage Design Req'd.
2	2	yes (1)	yes (4)	no

*No. of Approximate Properties (x)

mation

Cost Estimate Arterial Boulevard Roadways

DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	COST ESTIMATED
Construction stakes, lines, grades	38	HR	$140 00	$5,297.60
Road and Drainage Exc (uncl)	701	CY	$50 00	$35,037.04
Furnishing & Spreading Topsoil	1,261	SY	$9 00	$11,352.00
Min. Agg. Type A Base, Gr. D	279	TN	$40 00	$11,165.14
Asphalt Concrete Mix (PG64-22) (BPMB-HM) Grading A	48	TON	$110 00	$5,318.62
Asph. Conc. Mix (PG64-22) B-M2	24	TN	$350 00	$8,314.29
Bit. Mat'l. for Prime Coat (PC)	0.3	TN	$600 00	$191.11
Agg. for Cover Mat'l.	1.3	TN	$20 00	$25.23
Bit. Mat'l for Tack Coat (TC)	0.0	TN	$2,500 00	$113.76
Remove & Dispose Exist. Asp. .	44	CY	$20 00	$875.93
Saw Cut Asphalt Pavement	946	LF	$4 00	$3,784.00
Asphalt Concrete Mix Grading "D"	17	TN	$400 00	$6,685.07
Saw Cut Conc. (0-8")	124	LF	$15 00	$1,860.00
Concrete Sidewalk (4") (ST-210)	3,710	SF	$8 00	$29,680.00
Conc. Driveway (6")(w/WWM) (ST-322)	2,456	SF	$11 00	$27,016.00
Concrete Curb Ramp-6" (ST-320)	198	SF	$33 00	$6,534.00
Concrete Driveway 8"(w/ wire mesh) (ST-324)	857	SF	$11 00	$9,424.80
Remove & Reset Exist Fence and Posts (5' height)	120	LF	$0 56	$67.20
Flexible Drums (Channelizing)	32	EA	$30 00	$946.00
Warning Light (Type "A")	32	EA	$30 00	$946.00
Signs (Construction)	672	SF	$15 00	$10,080.00
Temporary Barricades, Type III	144	LF	$17 00	$2,448.00
Uniformed Policeman	605	HR	$40 00	$24,217.60
Plastic Pavement Marking (Cross-Walk)	96	LF	$55 00	$5,280.00
Plastic Pavement Marking (Stop Line)	48	LF	$30 00	$1,440.00
Enhanced Flat Thermoplastic 4" Pavement Marking	0	LM	$6,000 00	$1,075.00
Temporary Sediment Tube 12In (Description)	946	LF	$4 00	$3,784.00
Seeding (with mulch)	1,261	SY	$10 00	$12,613.33
Tree Removal	114	IN	$50 00	$5,676.00
Detectable Warnings (Specification 02523) (ST-329, ST-330)	50	SF	$30 00	$1,500.00
Permits	38	DAY	$250 00	$9,500.00
Furnish and Install Project Signs	2	EA	$750 00	$1,500.00
Adj. of Water Meters (0-2')	6	EA	$500 00	$3,000.00
			Estimated Construction Cost	**$284,587.70**
			Estimated Cost per Linear Foot	**$300.83**

CITY OF KNOXVILLE

PROJECT NO. 43803.00

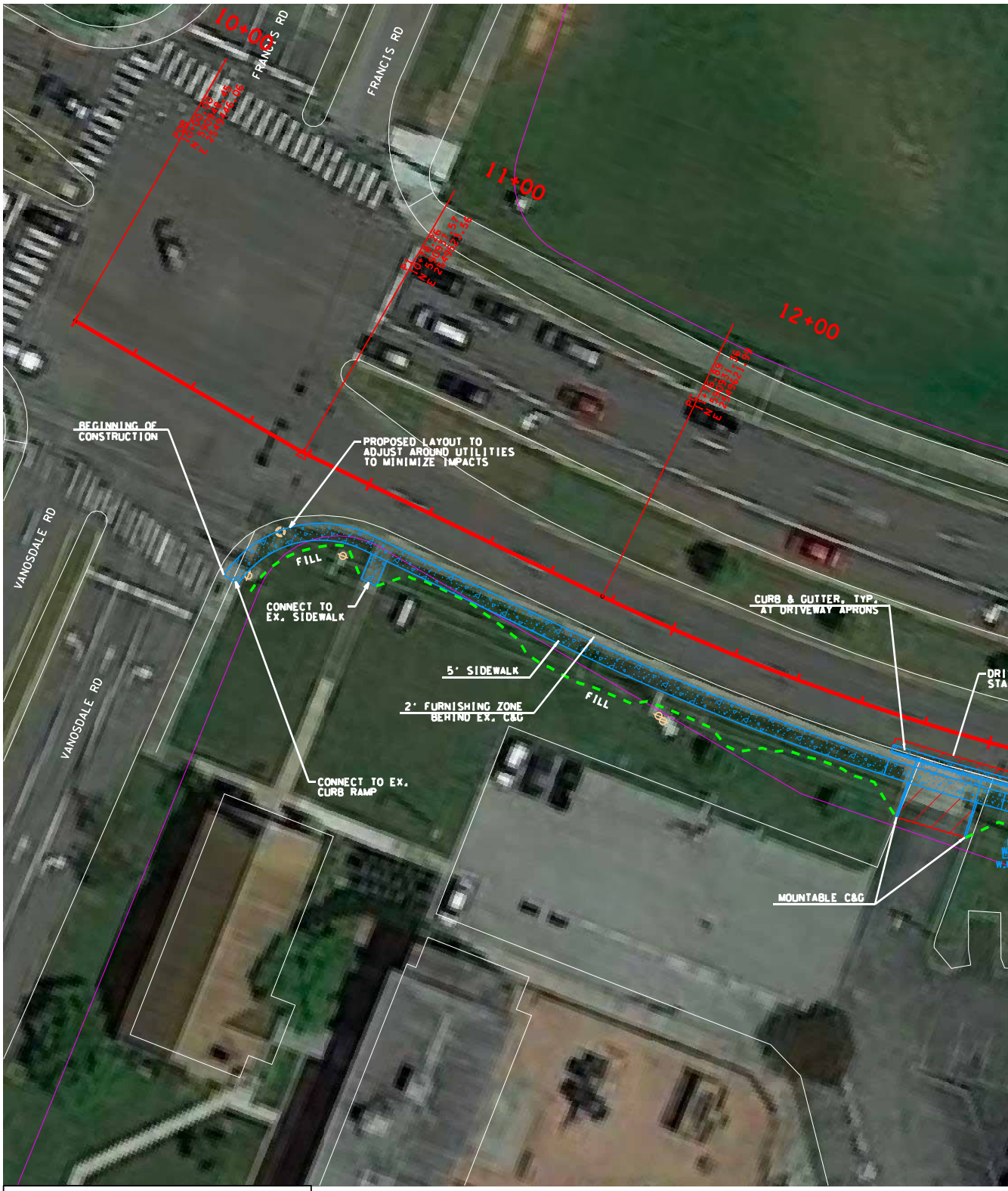
MIDDLEBROOK PIKE SIDEWALK IMPROVEMENTS

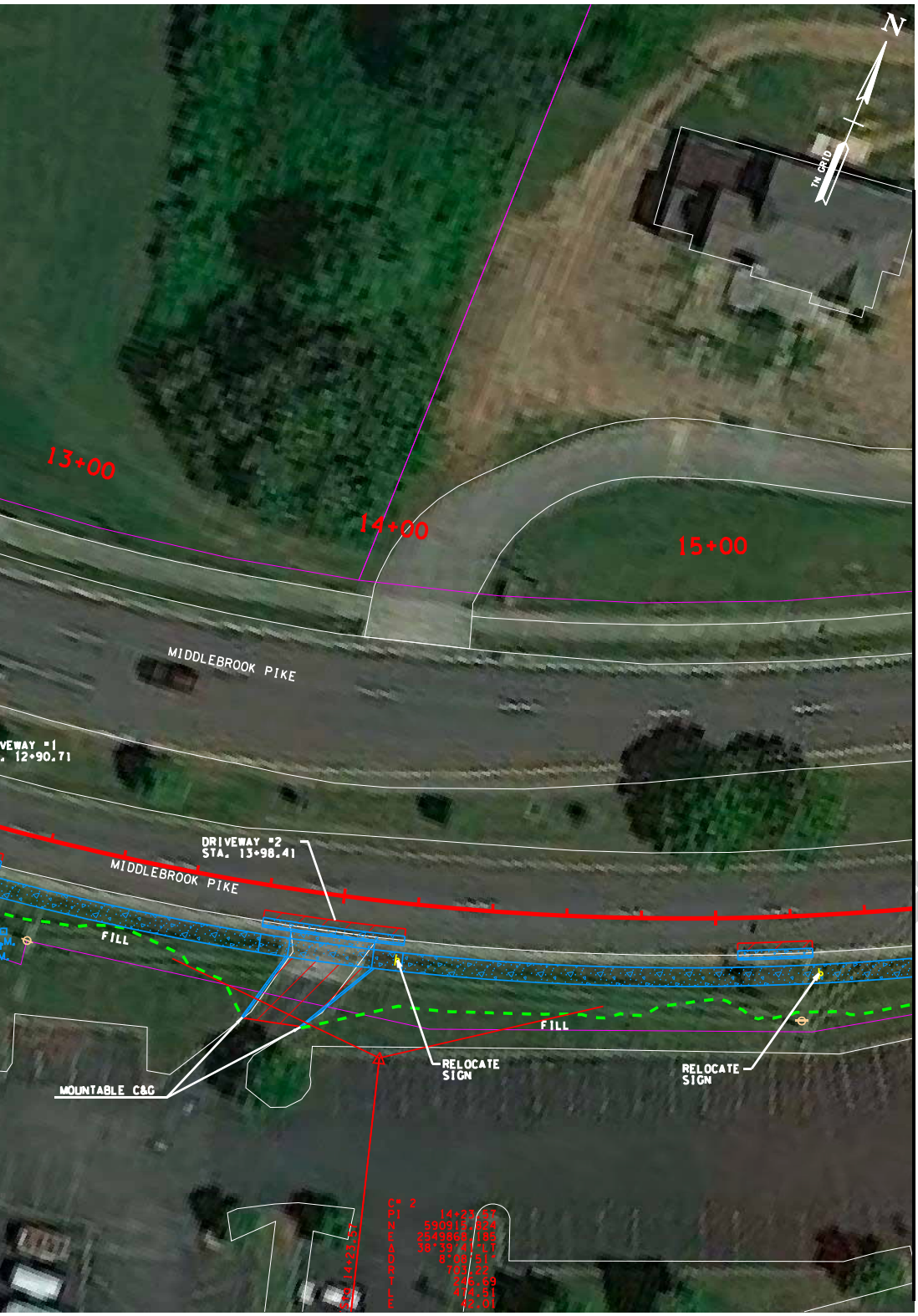
CONSTRUCTION ESTIMATE

SCALE: HORIZ 1" = 20'
VERT 1" = 2'

SHEET 2 OF 7

Middlebrook Pike Sidewalk Improvements





MATCH LINE STA. 15+53.31 SEE SHEET NO. 3

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20' 0 10' 20' 30' 40'
SCALE: 1"=20'

CITY OF KNOXVILLE

PROJECT NO. 43803.00

MIDDLEBROOK PIKE SIDEWALK IMPROVEMENTS

PROPOSED OPTION 1

SCALE: 1" = 20'

SHEET 3 OF 7

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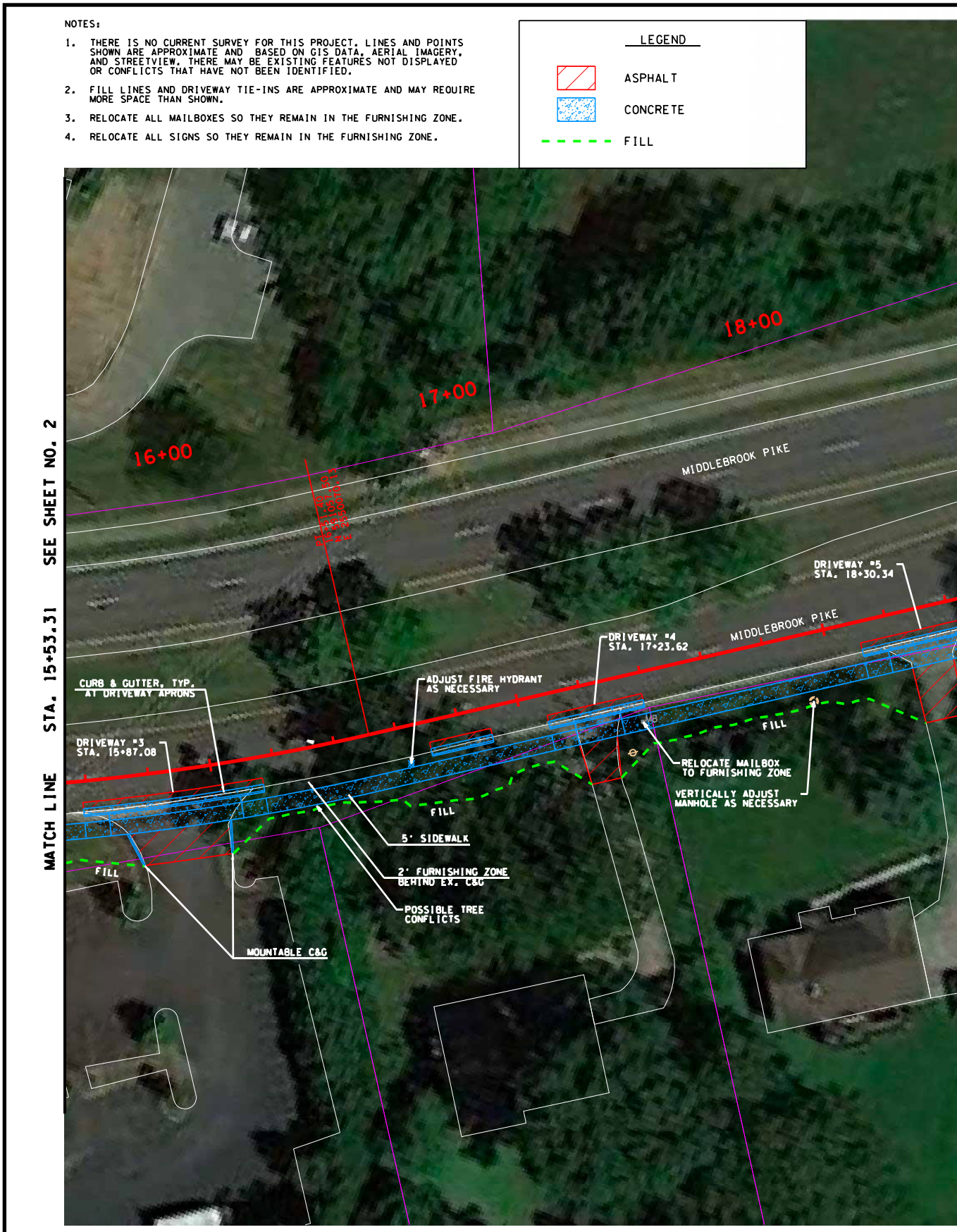

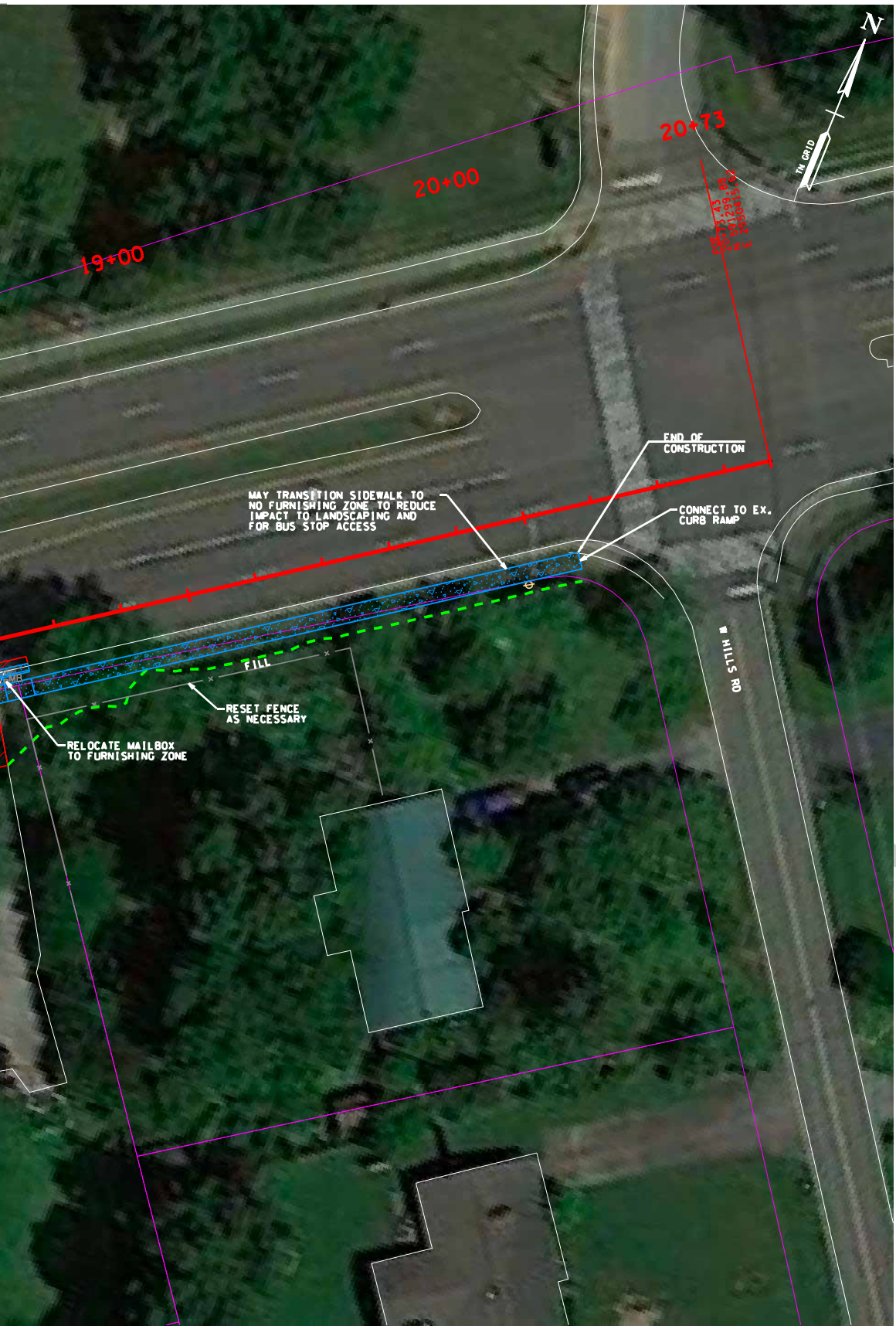

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CITY OF KNOXVILLE

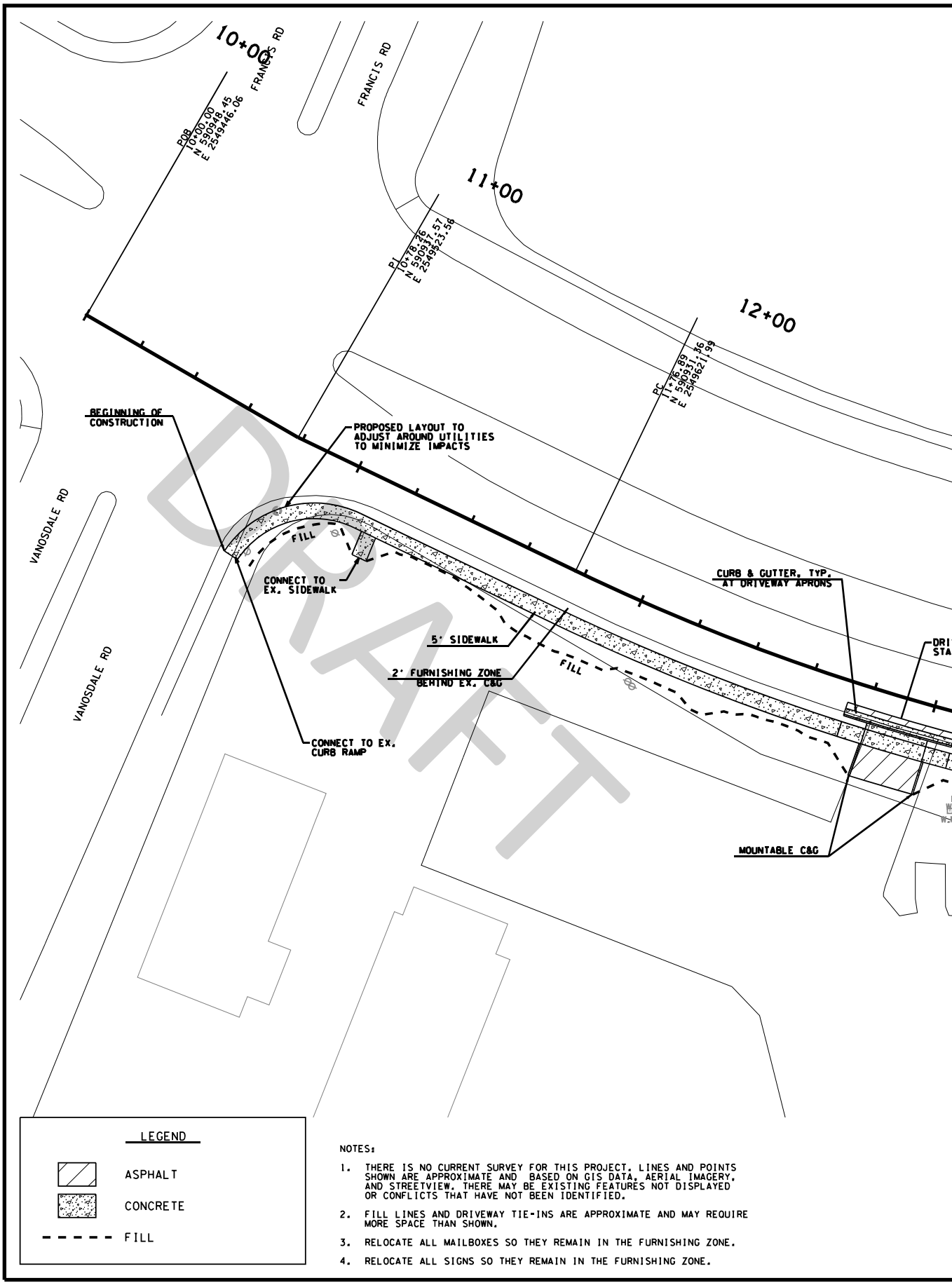
PROJECT NO. 43803.00

MIDDLEBROOK PIKE SIDEWALK IMPROVEMENTS

PROPOSED OPTION 1

SCALE: 1" = 20'

SHEET 4 OF 7


10+00
11+00
12+00
FRANCIS RD
FRANCIS RD
POB
10+00.00
N 590948.45
E 2549446.06
PI
10+78.46
N 590937.57
E 2549523.56
PC
11+76.89
N 590931.45
E 2549621.99
BEGINNING OF CONSTRUCTION
PROPOSED LAYOUT TO ADJUST AROUND UTILITIES TO MINIMIZE IMPACTS
VANOSDALE RD
VANOSDALE RD
FILL
CONNECT TO EX. SIDEWALK
CURB & GUTTER, TYP. AT DRIVEWAY APRONS
5' SIDEWALK
2' FURNISHING ZONE BEHIND EX. C&G
FILL
CONNECT TO EX. CURB RAMP
MOUNTABLE C&G
DRAFT
LEGEND
ASPHALT
CONCRETE
FILL
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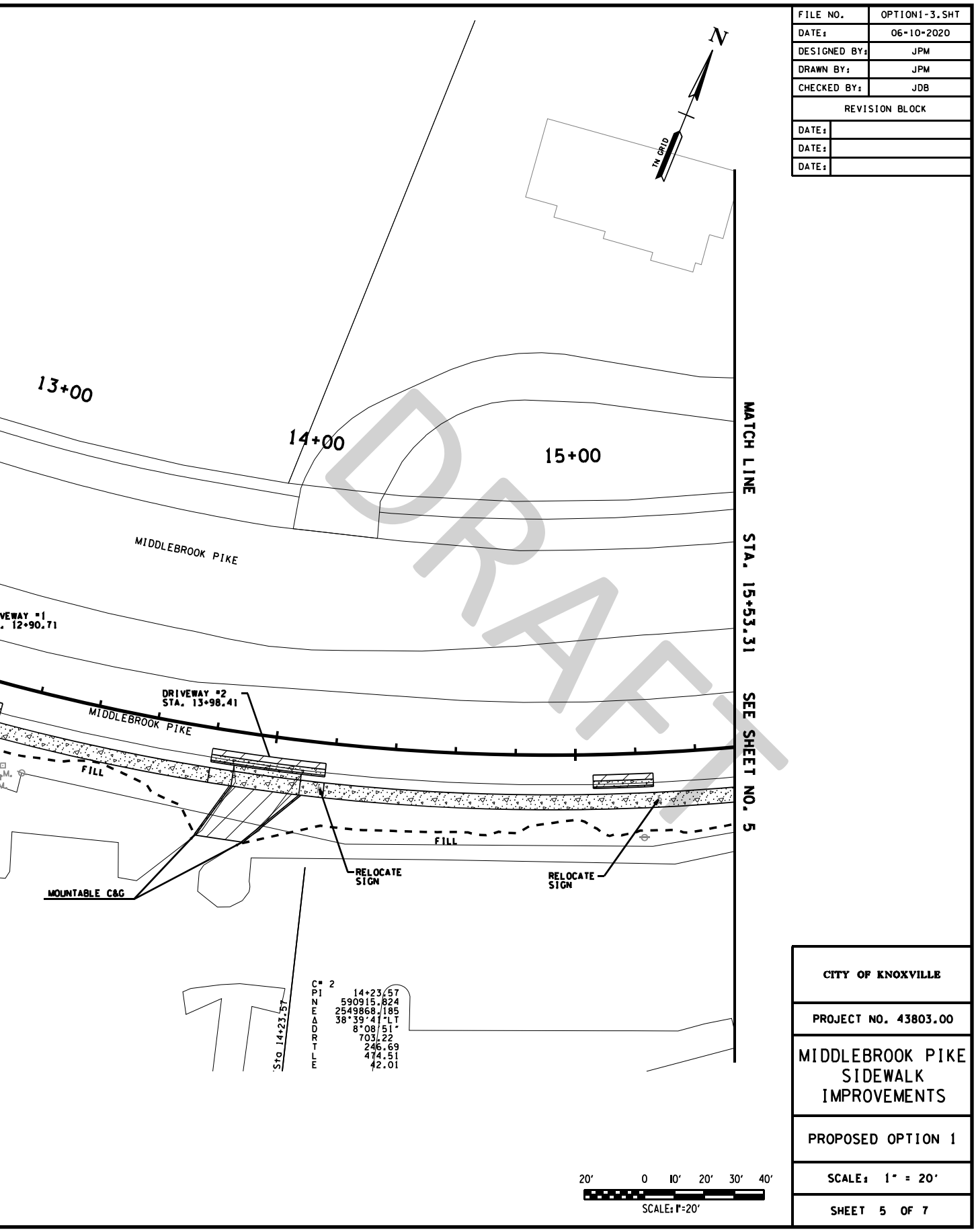

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CITY OF KNOXVILLE

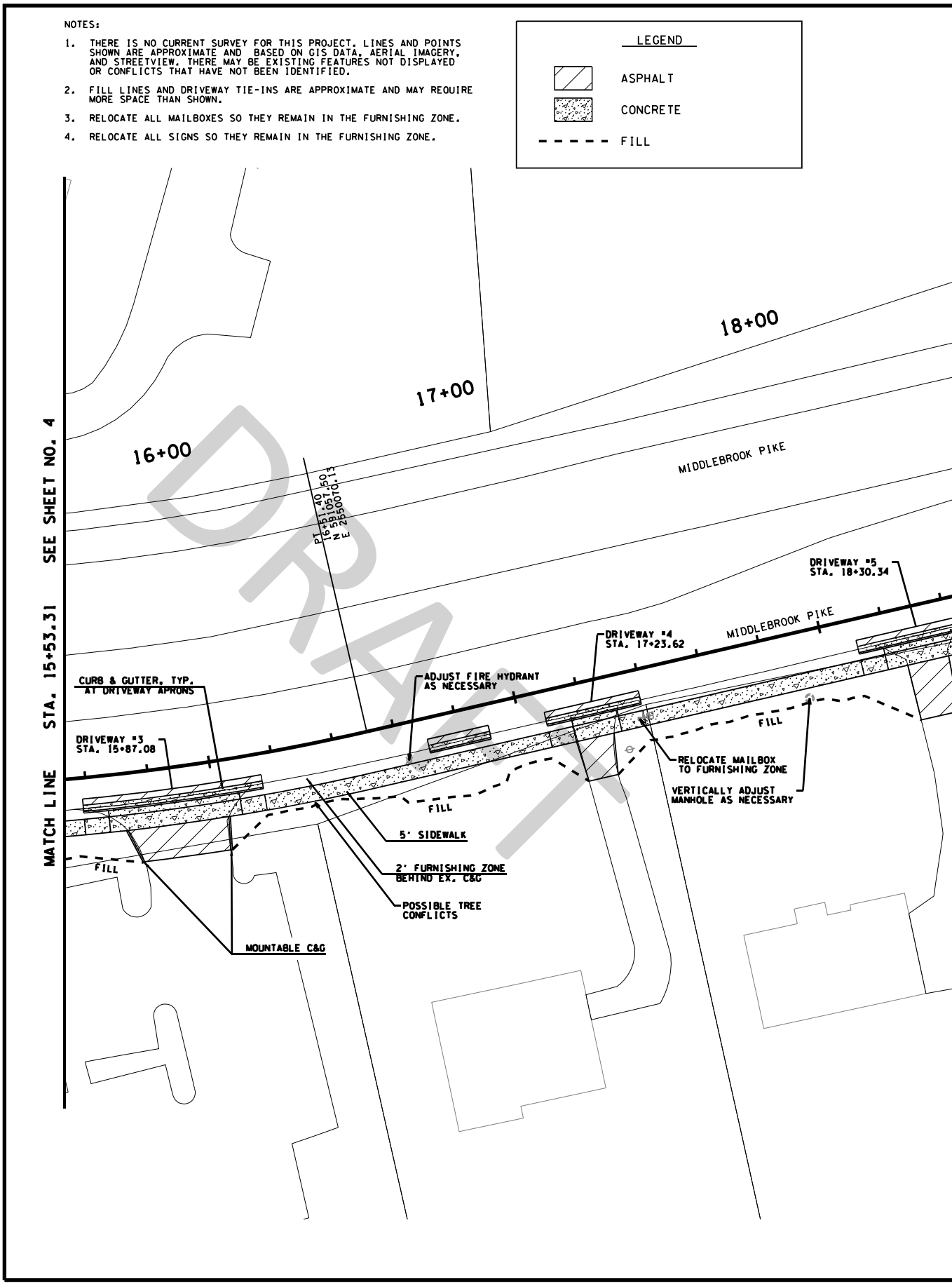
PROJECT NO. 43803.00

MIDDLEBROOK PIKE SIDEWALK IMPROVEMENTS

PROPOSED OPTION 1

SCALE: 1" = 20'

SHEET 5 OF 7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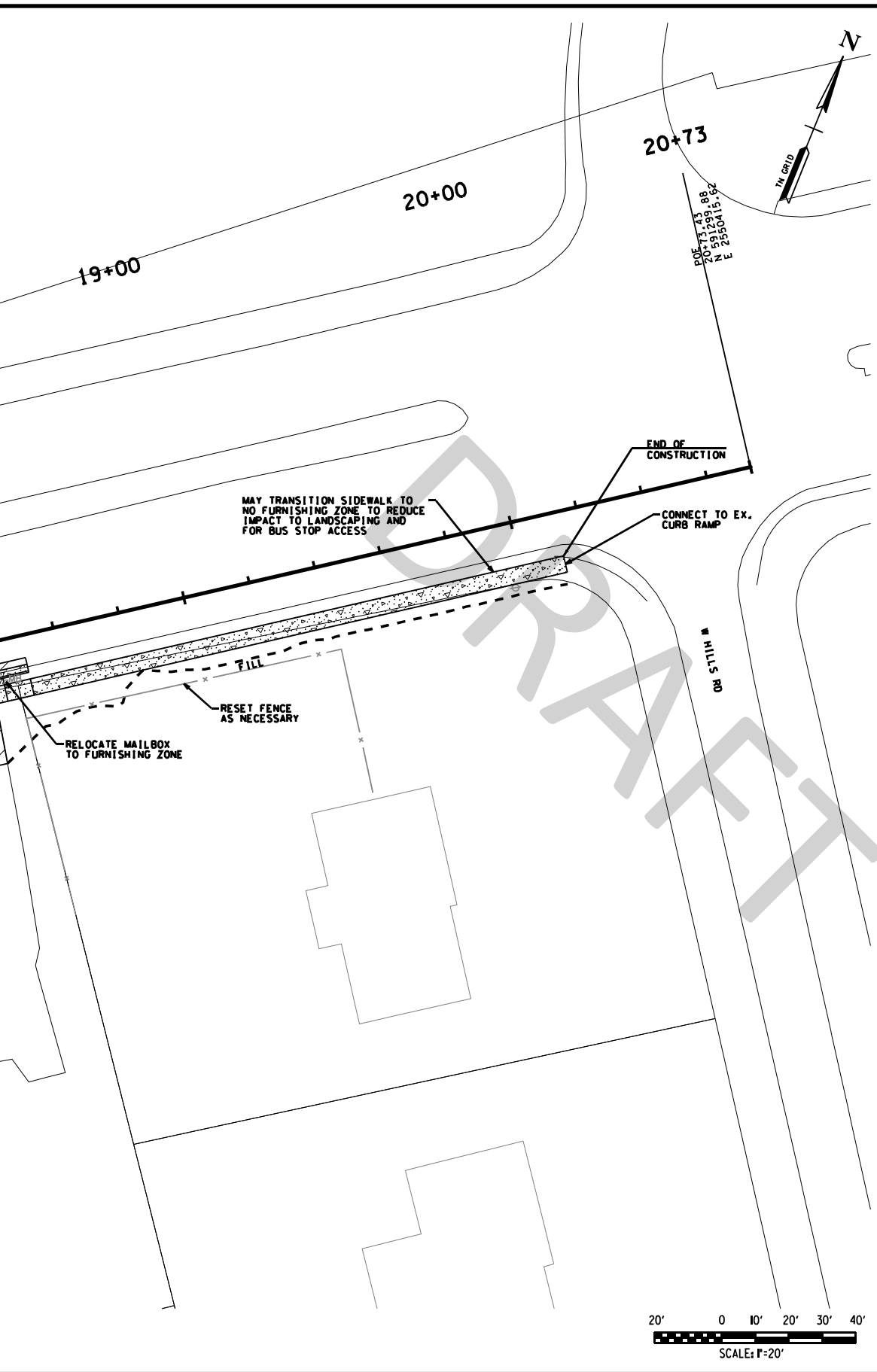
LEGEND
ASPHALT
CONCRETE
FILL
MATCH LINE STA. 15+53.31 SEE SHEET NO. 4
16+00
17+00
18+00
MIDDLEBROOK PIKE
PT 16+89.40 LT N 59107.13 E 2560710.13
DRIVEWAY #5 STA. 18+30.34
DRIVEWAY #4 STA. 17+23.62
DRIVEWAY #3 STA. 15+87.08
CURB & GUTTER, TYP. AT DRIVEWAY APRONS
ADJUST FIRE HYDRANT AS NECESSARY
FILL
RELOCATE MAILBOX TO FURNISHING ZONE
VERTICALLY ADJUST MANHOLE AS NECESSARY
5' SIDEWALK
2' FURNISHING ZONE BEHIND EX. C&G
POSSIBLE TREE CONFLICTS
MOUNTABLE C&G
DRAFT



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CITY OF KNOXVILLE

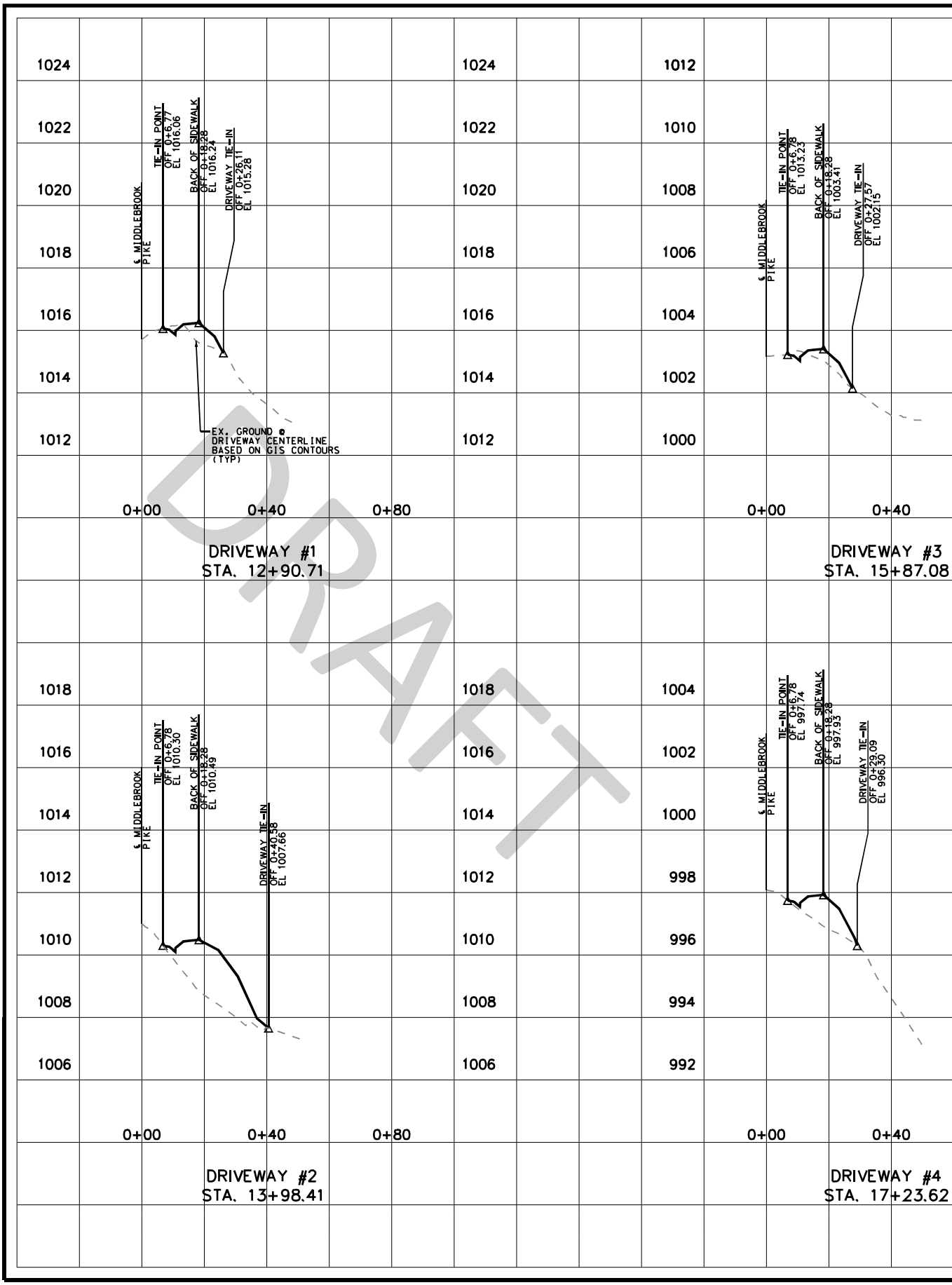
PROJECT NO. 43803.00

MIDDLEBROOK PIKE SIDEWALK IMPROVEMENTS

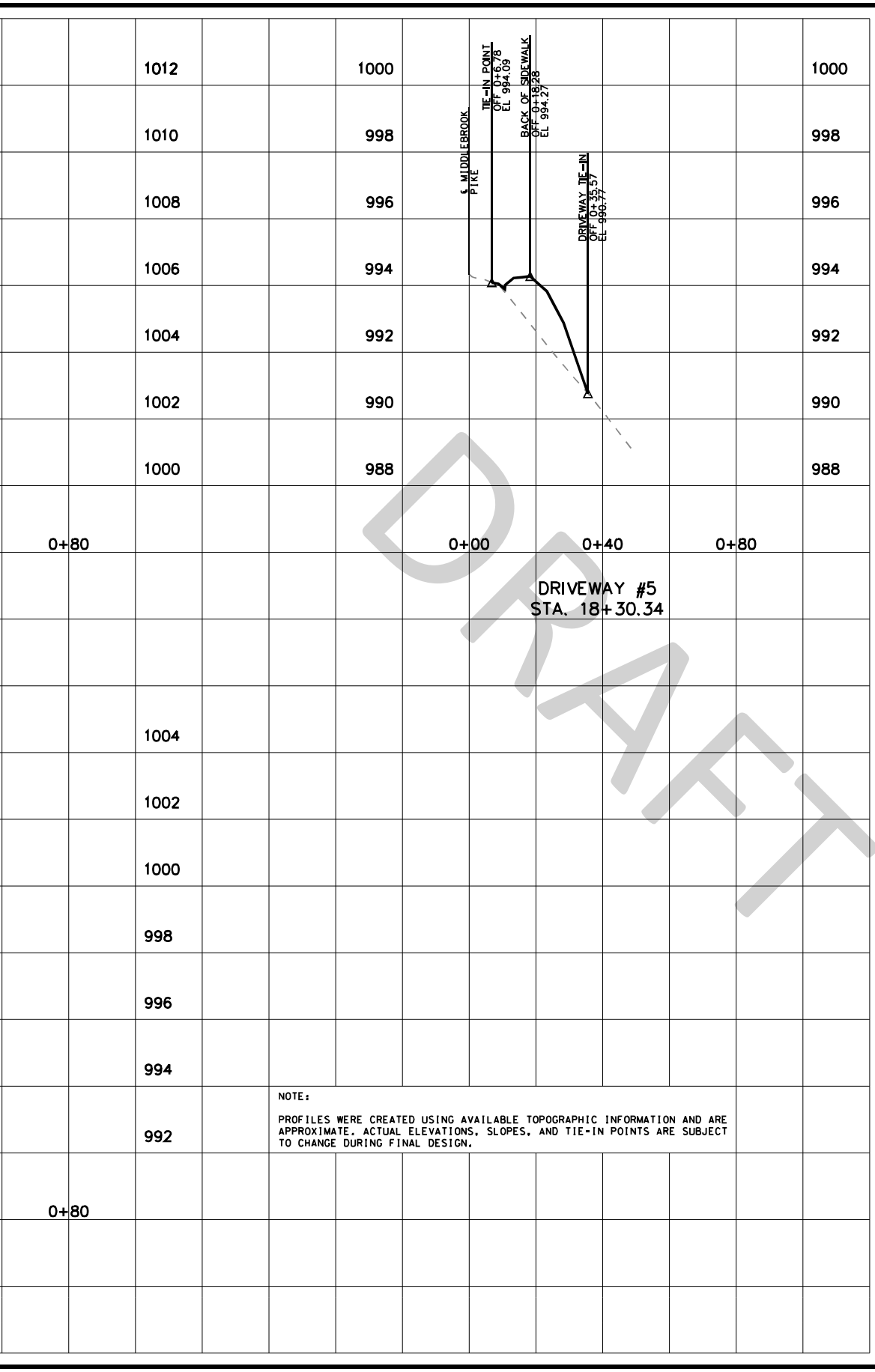
PROPOSED OPTION 1

SCALE: 1" = 20'

SHEET 6 OF 7


1024
1022
1020
1018
1016
1014
1012
℄ MIDDLEBROOK PIKE
TIE-IN POINT
OFF 0+6.77
EL 1016.06
BACK OF SIDEWALK
OFF 0+18.28
EL 1016.24
DRIVEWAY TIE-IN
OFF 0+26.11
EL 1015.28
EX. GROUND @
DRIVEWAY CENTERLINE
BASED ON GIS CONTOURS
(TYP)
0+00
0+40
0+80
DRIVEWAY #1
STA. 12+90.71
1024
1022
1020
1018
1016
1014
1012
1010
1008
1006
1004
1002
1000
℄ MIDDLEBROOK PIKE
TIE-IN POINT
OFF 0+6.78
EL 1013.23
BACK OF SIDEWALK
OFF 0+18.28
EL 1003.41
DRIVEWAY TIE-IN
OFF 0+27.57
EL 1002.15
0+00
0+40
DRIVEWAY #3
STA. 15+87.08
1018
1016
1014
1012
1010
1008
1006
℄ MIDDLEBROOK PIKE
TIE-IN POINT
OFF 0+6.78
EL 1010.30
BACK OF SIDEWALK
OFF 0+18.28
EL 1010.49
DRIVEWAY TIE-IN
OFF 0+40.58
EL 1007.66
0+00
0+40
0+80
DRIVEWAY #2
STA. 13+98.41
1018
1016
1014
1012
1010
1008
1006
1004
1002
1000
998
996
994
992
℄ MIDDLEBROOK PIKE
TIE-IN POINT
OFF 0+6.78
EL 997.74
BACK OF SIDEWALK
OFF 0+18.28
EL 997.93
DRIVEWAY TIE-IN
OFF 0+29.09
EL 996.30
0+00
0+40
DRIVEWAY #4
STA. 17+23.62

DRAFT



DRAFT

NOTE:

PROFILES WERE CREATED USING AVAILABLE TOPOGRAPHIC INFORMATION AND ARE APPROXIMATE. ACTUAL ELEVATIONS, SLOPES, AND TIE-IN POINTS ARE SUBJECT TO CHANGE DURING FINAL DESIGN.

FILE NO.	DRIVEWAYS.SHT
DATE:	06-10-2020
DESIGNED BY:	JPM
DRAWN BY:	JPM
CHECKED BY:	JDB

REVISION BLOCK

DATE:	
DATE:	
DATE:	

CITY OF KNOXVILLE

PROJECT NO. 43803.00

MIDDLEBROOK PIKE SIDEWALK IMPROVEMENTS

PROPOSED DRIVEWAY PROFILES

SCALE: HORIZ 1" = 20'
VERT 1" = 2'

SHEET 7 OF 7

INDEX

SHEET NO.	SHEET NAME
1	TITLE SHEET
2	CONFLICT REVIEW/ COST ESTIMATION
3-5	PROPOSED OPTION 1 - WITH AERIAL
3A-5A	PROPOSED OPTION 1 - NO AERIAL
6-6A	PROPOSED DRIVEWAY PROFILES

CITY OF

GLE
SIDEWAL
FROM KEITH AVEN
(PROJECT LENGTH

BEGIN PROJECT STA. 10+03.59

DRAFT

SPECIAL NOTES

PROPOSALS MAY BE REJECTED BY THE CITY TRANSPORTATION ENGINEER IF ANY OF THE UNIT PRICES CONTAINED THEREIN ARE OBVIOUSLY UNBALANCED, EITHER EXCESSIVE OR BELOW THE REASONABLE COST ANALYSIS VALUE.

THIS PROJECT TO BE CONSTRUCTED UNDER THE STANDARD SPECIFICATIONS OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION DATED JANUARY 1, 2015 AND ADDITIONAL SPECIFICATIONS AND SPECIAL PROVISIONS CONTAINED IN THE PLANS AND IN THE PROPOSAL CONTRACT.

ALL CONSTRUCTION ACTIVITIES SHALL BE COMPLETED IN FULL COMPLIANCE WITH THE AMERICANS WITH DISABILITES ACT (ADA) AND ARCHITECTURAL AND TRANSPORTATION BARRIERS COMPLIANCE BOARD, FEDERAL REGISTER 36CFR PART 1191, ACCESSIBILITY GUIDLINES FOR BUILDINGS AND FACILITIES; ARCHITECTURAL BARRIERS ACT (ABA) ACCESSIBILITY GUIDLINES; PROPOSED RULE, PUBLISHED IN THE FEDERAL REGISTER ON SEPTEMBER 15, 2010, AS HAS BEEN ADOPTED BY METRO.

FILE NO.	
DATE:	05-28-2020
DESIGNED BY:	CJL
DRAWN BY:	CJL
CHECKED BY:	JSS
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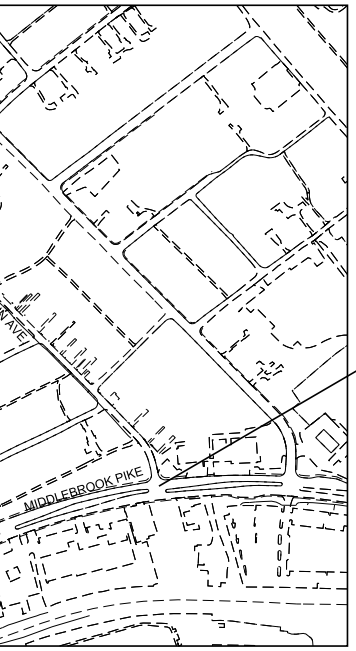
KNOXVILLE

ENN AVENUE
K IMPROVEMENTS
NUE TO MIDDLEBROOK PIKE
H APPROXIMATELY 1512FT)

N

PROJECT NO. 43803.00
PRELIMINARY DESIGN



END PROJECT STA. 25+16.02

DRAFT

CIVIL ENGINEER-
Gresham Smith
2095 LAKESIDE CENTRE WAY, SUITE 120
KNOXVILLE, TENNESSEE, 37922
(865)521-6777 TELEPHONE
CONTACT: SHAP STILES, P.E.

SHEET 1 OF 9A

PRELIMINARY DESIGN RE

PROJECT NAME: Glenn Avenue from Keith Avenue to Middlebrook Pike
PROJECT NO: xxx-xxx
DATE: June 9, 2020

OPTIONS	Existing Pavement Width (EOP to EOP)	Proposed Side of Road	Proposed Pavement Width (EOP to EOP)	Proposed Curb and Gutter/ Post Curb	Proposed Sidewalk Width	Proposed Grass Strip Width	Proposed Bicycle Zone	Power Pole Conflicts	Sanitar Sewer Conflict
Option 1	21'-24'	North	21'-24'	Prop C&G	5'	2'	0'	13	0

Sidewalk Length = 1512'

Option 1 (Planning Option)

- Follows Planning option: 5' sidewalk, 2' Furnishing Zone, Curb and Gutter.
- Requires 0 ROW takes
- Relocate 14 mailboxes
- Reset existing fence on Park side of Glenn Ave.
- Relocate 4 signs
- Existing gas line runs under entire project area
- Trees to be removed 3 tracts
- Extention of existing cross drain under Denson Ave.

Local Roads Sidewalk Estimate ($/lf)	Percent/Length	Cost/lf
Sidewalks - Local Roadways	100%	$296.66
Drainage	80%	$211
Contingency 15%	15%	
Engineering/CEI 25%	25%	
RoW - Residential Roadways 0%	0%	$0
RoW - Commercial Local Roadways 0%	0%	$0
Easement - Local Roads	24%	$5
Damages - Local Roads	25%	$3
Appraisal/closing	100%	$13
	Project length	**1512**
	Estimated Cost:	**$1,136,000**
	Cost/lf:	**$751**
	Sidewalks - Local Roadways	$448,552.77
	Drainage	$319,032
	Sub-Total Construction Costs:	**$768,000**
	Contingency 15%	**$116,000**
	Total Construction Costs:	**$884,000**
	Engineering/CEI 25%	**$221,000**
	RoW - Residential Roadways 0%	$0
	RoW - Commercial Local Roadways 0%	$0
	Easement - Local Roads	$7,258
	Damages - Local Roads	$3,780
	Appraisal/closing	$19,656
	RoW & Easement Acquisition/Damages/Appraisals	**$31,000**

Sidewalk

ITEM
105-01.01
203-01
203-07
303-01
307-01.01
307-01.08
402-01
402-02
403-01
407-02.13
407-20.05
411-01.02
502-04.01
604-01.01
604-01.02
701-01.01
701-01.02
701-02.01
701-02.02
702-03
712-04.01
712-05.01
712-06
712-07.03
712-08.06
716-02.09
716-02.05
716-12.01
740-11.02
801-01
802-08.04
PW-DW-001
SP-7
SP-10
WS-2

FILE NO.	
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VIEW OPTIONS

y ts	Water Meter, Valve, and Hydrant Conflicts	Gas Conflicts	Drainage Conflicts	Sign Conflicts	Mailbox Conflicts	Tree and Bush Conflicts	*ROW Req'd.	*Temp. Const. Esmt. Req'd.	Drainage Design Req'd.
	3	1	2	4	14	3	no (0)	yes	yes

*No. of Properties (0)

Cost Estimate Local Roadways

DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	COST ESTIMATED
Construction stakes, lines, grades	60	HR	$140.00	$8,467.20
Road and Drainage Exc (uncl)	560	CY	$50.00	$28,000.00
Furnishing & Spreading Topsoil	1,176	SY	$9.00	$10,584.00
Min. Agg. Type A Base, Gr. D	399	TN	$40.00	$15,973.67
Asphalt Concrete Mix (PG64-22) (BPMB-HM) Grad	77	TON	$110.00	$8,500.80
Asph. Conc. Mix (PG64-22) B-M2	38	TN	$350.00	$13,288.80
Bit. Mat'l. for Prime Coat (PC)	0.5	TN	$600.00	$305.45
Agg. for Cover Mat'l.	2.0	TN	$20.00	$40.32
Bit. Mat'l for Tack Coat (TC)	0.1	TN	$2,500.00	$181.82
Remove & Dispose Exist. Asp. .	110	CY	$20.00	$2,200.00
Saw Cut Asphalt Pavement	1,512	LF	$4.00	$6,048.00
Asphalt Concrete Mix Grading "D"	27	TN	$400.00	$10,684.80
Saw Cut Conc. (0-8")	163	LF	$15.00	$2,437.50
Class "A" Concrete	1	CY	$720.00	$1,027.20
Steel Bar Reinforcement (Rdwy)	357	LB	$2.00	$713.33
Concrete Sidewalk (4") (ST-210)	6,000	SF	$8.00	$48,000.00
Conc. Driveway (6")(w/WWM) (ST-322)	6,028	SF	$11.00	$66,309.10
Concrete Curb Ramp-6" (ST-320)	936	SF	$33.00	$30,888.00
Concrete Driveway 8"(w/ wire mesh) (ST-324)	218	SF	$11.00	$2,402.40
Concrete Curb & Gutter (ST -200)	1,512	LF	$40.00	$60,480.00
Flexible Drums (Channelizing)	50	EA	$30.00	$1,512.00
Warning Light (Type "A")	50	EA	$30.00	$1,512.00
Signs (Construction)	672	SF	$15.00	$10,080.00
Temporary Barricades, Type III	144	LF	$17.00	$2,448.00
Uniformed Policeman	968	HR	$40.00	$38,707.20
Plastic Pavement Marking (Cross-Walk)	384	LF	$55.00	$21,120.00
Plastic Pavement Marking (Stop Line)	192	LF	$30.00	$5,760.00
Enhanced Flat Thermoplastic 4" Pavement Marking	0	LM	$6,000.00	$1,718.18
Temporary Sediment Tube 12In (Description)	1,512	LF	$4.00	$6,048.00
Seeding (with mulch)	1,176	SY	$10.00	$11,760.00
Tree Removal	144	IN	$50.00	$7,200.00
Detectable Warnings (Specification 02523) (ST-32	130	SF	$30.00	$3,900.00
Permits	61	DAY	$250.00	$15,250.00
Furnish and Install Project Signs	2	EA	$750.00	$1,500.00
Adj. of Water Meters (0-2')	7	EA	$500.00	$3,500.00
			Subtotal	$448,552.77
	Estimated Cost			$448,552.77
	Estimated Cost per Linear Foot			$296.66

20' 0 10' 20' 30' 40'

SCALE: 1"=20'

CITY OF KNOXVILLE

PROJECT NO. 43803.00

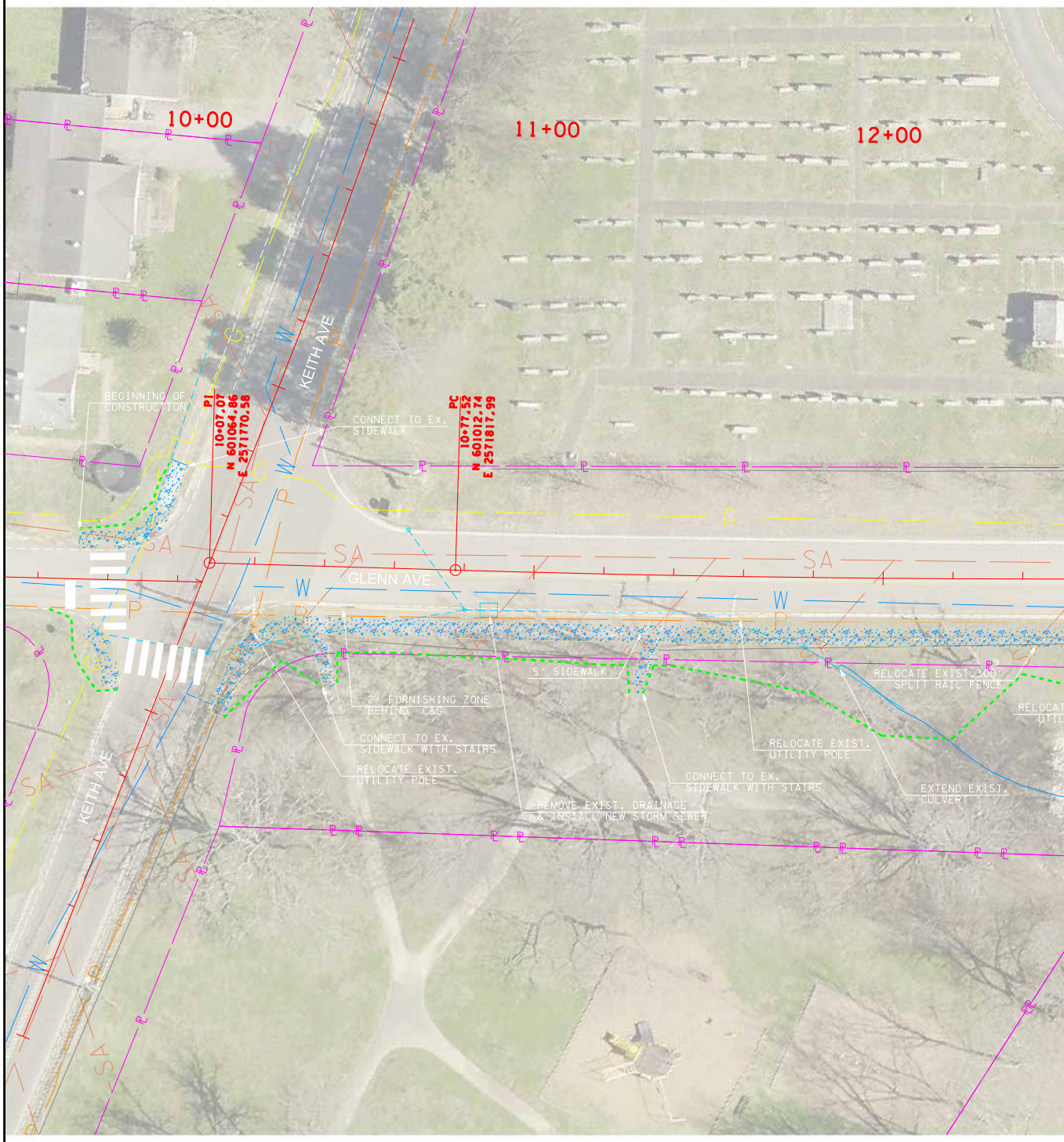
GLENN AVENUE SIDEWALK IMPROVEMENTS

CONFLICT REVIEW/ COST ESTIMATION

SCALE: N.T.S.

SHEET 2 OF 9A

Glenn Avenue Sidewalk Improvements



NOTES:
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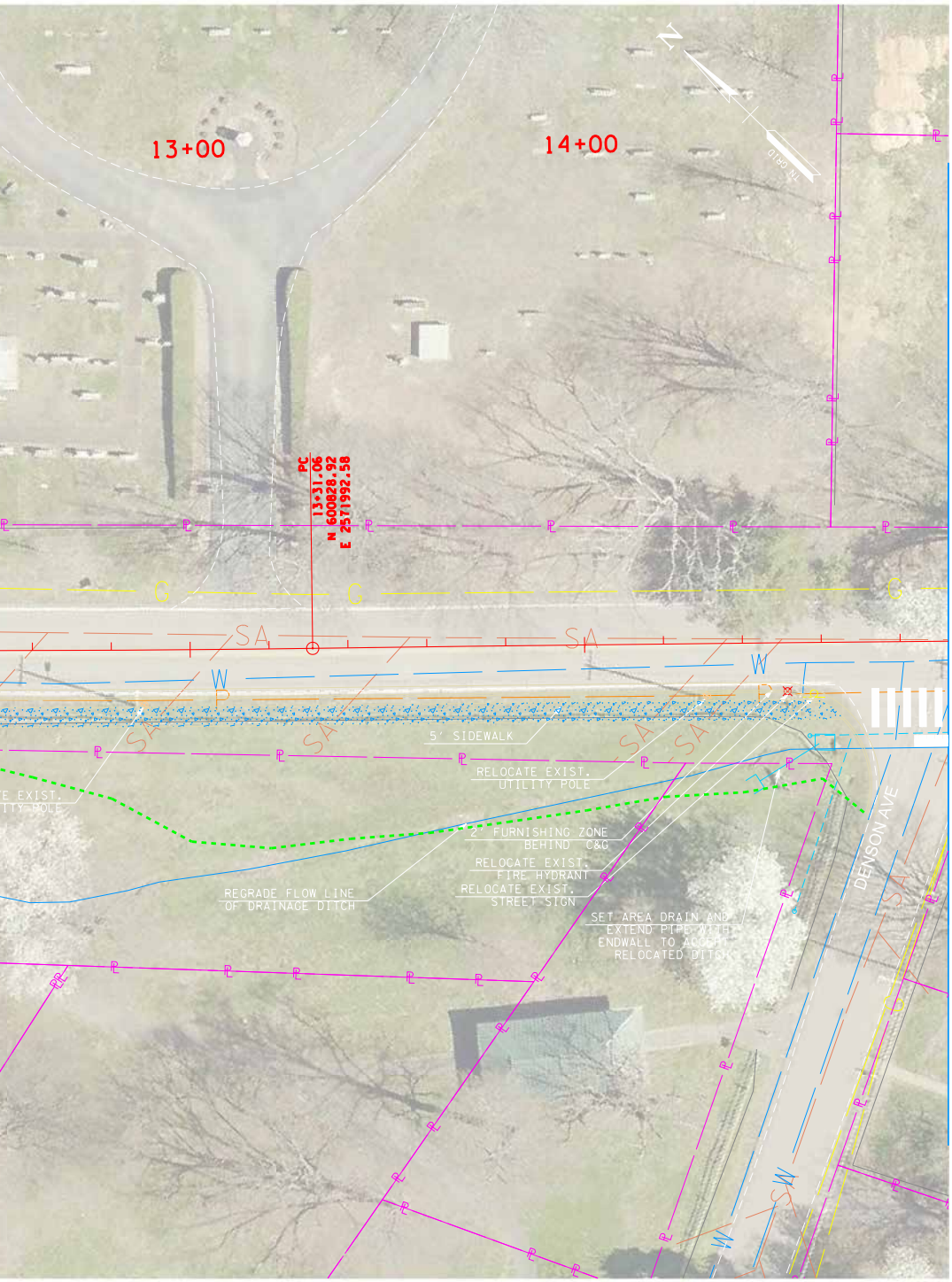
2.FILL LINES AND DRIVEWAY TIE-INS ARE APPROXIMATE AND MAY REQUIRE MORE SPACE THEN SHOWN.
3.RELOCATE ALL MAILBOXES SO THEY REMAIN IN THE FURNISHING ZONE.
4.RELOCATE ALL SIGNS SO THEY REMAIN IN THE FURNISHING ZONE.

LEGEND
- CONCRETE
- GRAVEL
- ASPHALT
- FILL
- CUT



20′ 0 10′ 20′ 30′ 40′

SCALE: 1"=20′

FILE NO.	
DATE:	05-28-2020
DESIGNED BY:	CJL
DRAWN BY:	CJL
CHECKED BY:	JSS
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CITY OF KNOXVILLE

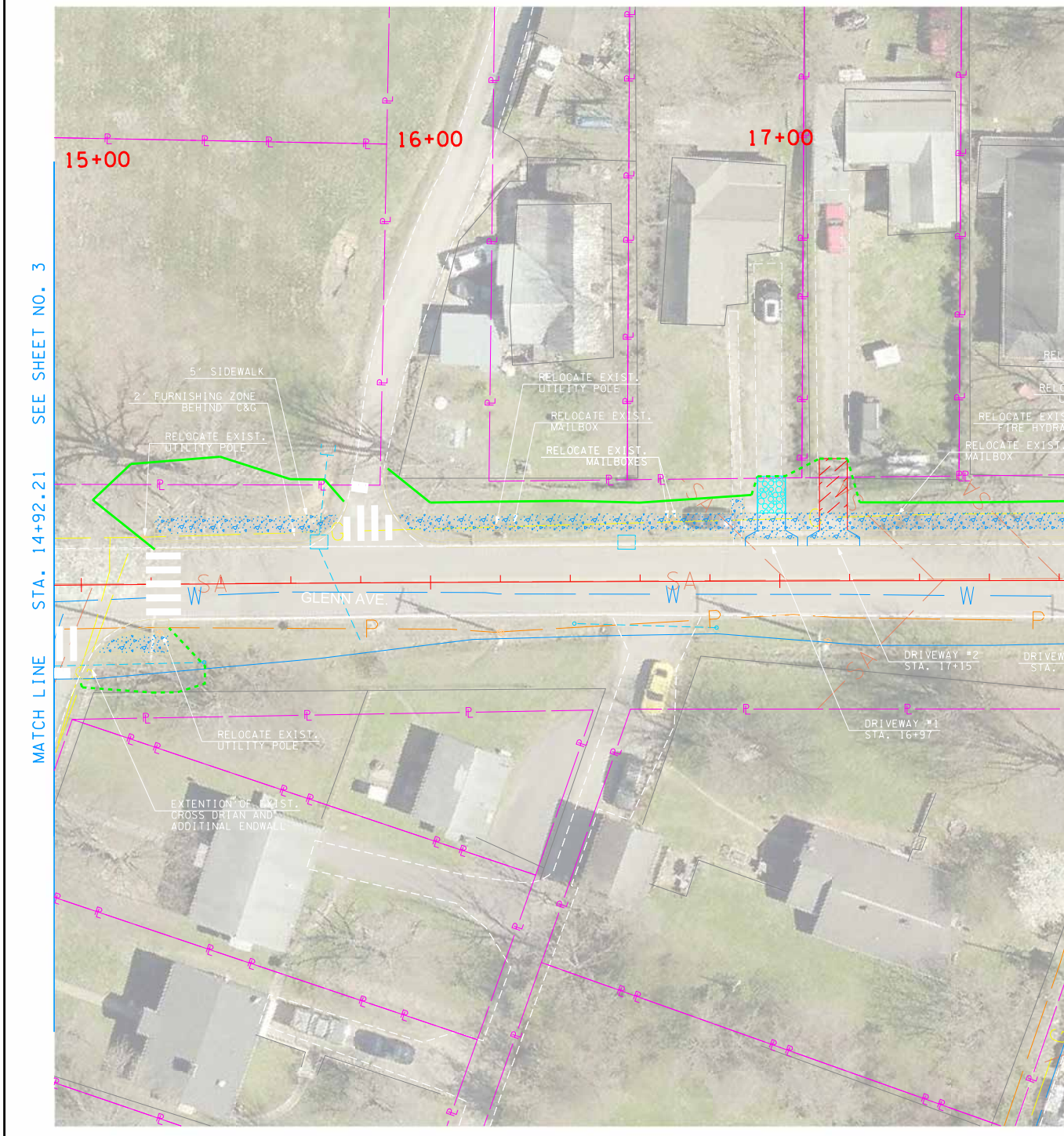
PROJECT NO. 43803.00

GLENN AVENUE
SIDEWALK
IMPROVEMENTS

PROPOSED OPTION 1
WITH AERIAL

SCALE: 1" = 20′

SHEET 3 OF 9A



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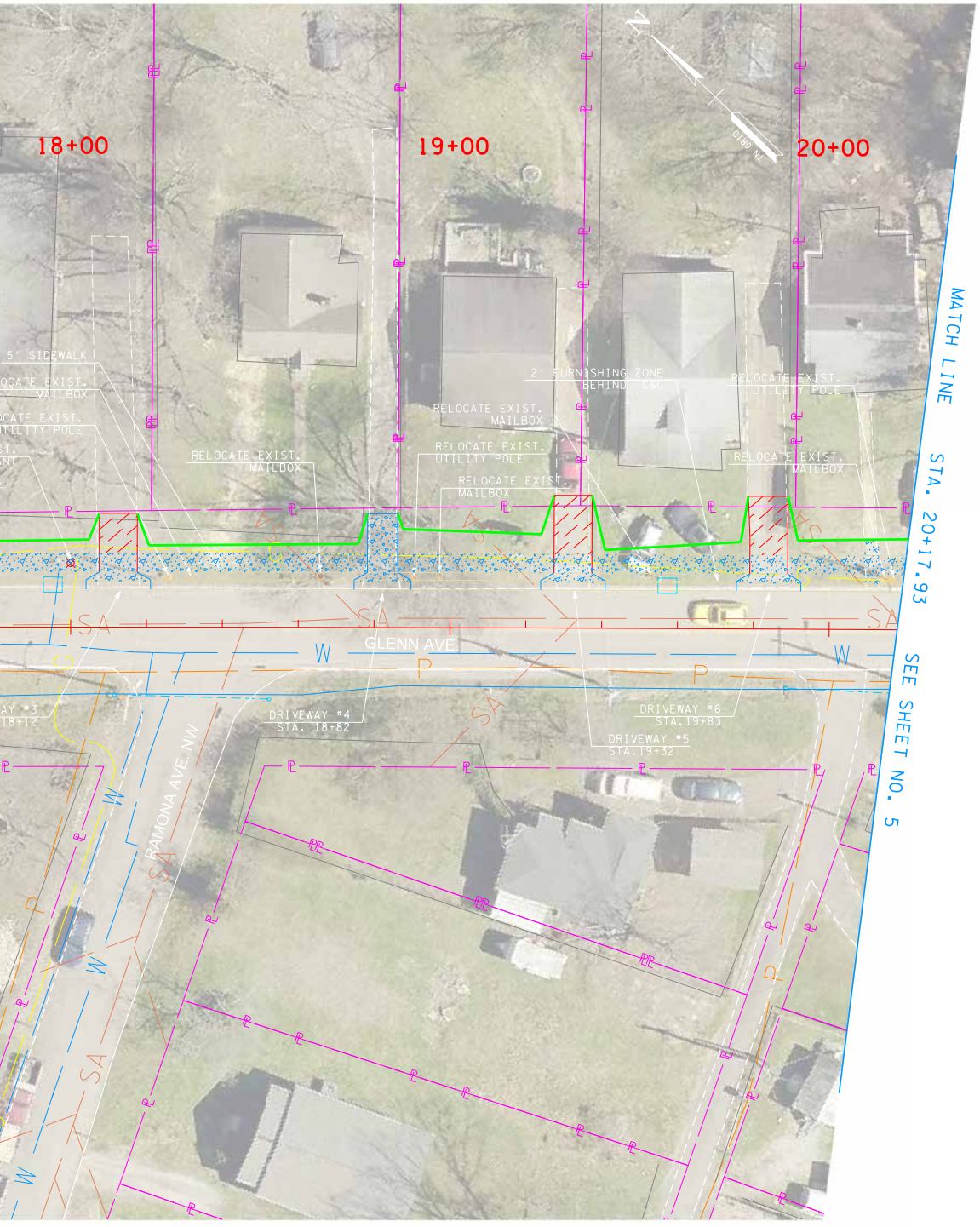
LEGEND
CONCRETE
GRAVEL
ASPHALT
FILL
CUT



20' 0 10' 20' 30' 40'

SCALE: 1"=20'

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CITY OF KNOXVILLE

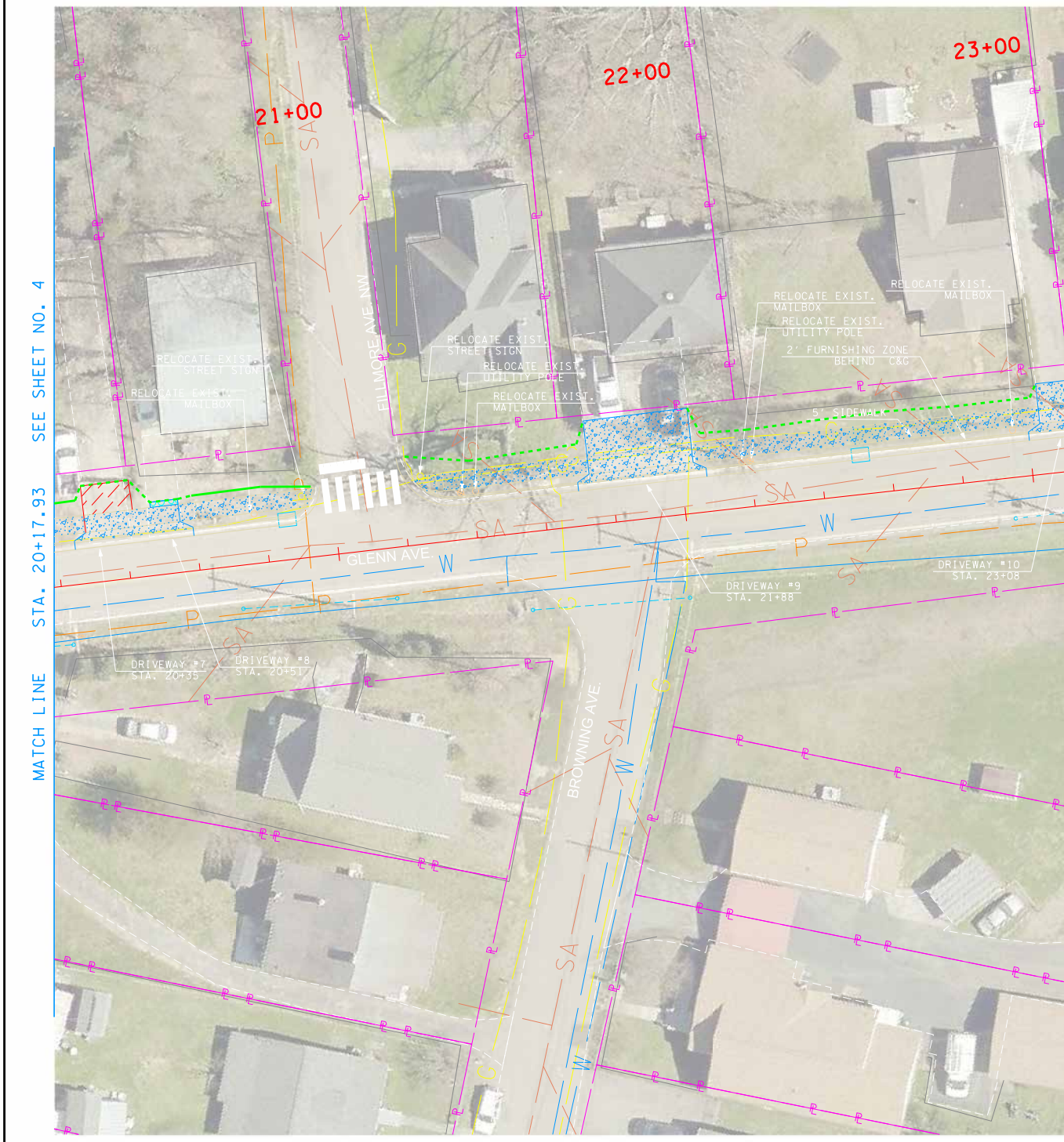
PROJECT NO. 43803.00

GLENN AVENUE SIDEWALK IMPROVEMENTS

PROPOSED OPTION 1 WITH AERIAL

SCALE: 1" = 20'

SHEET 4 OF 9A



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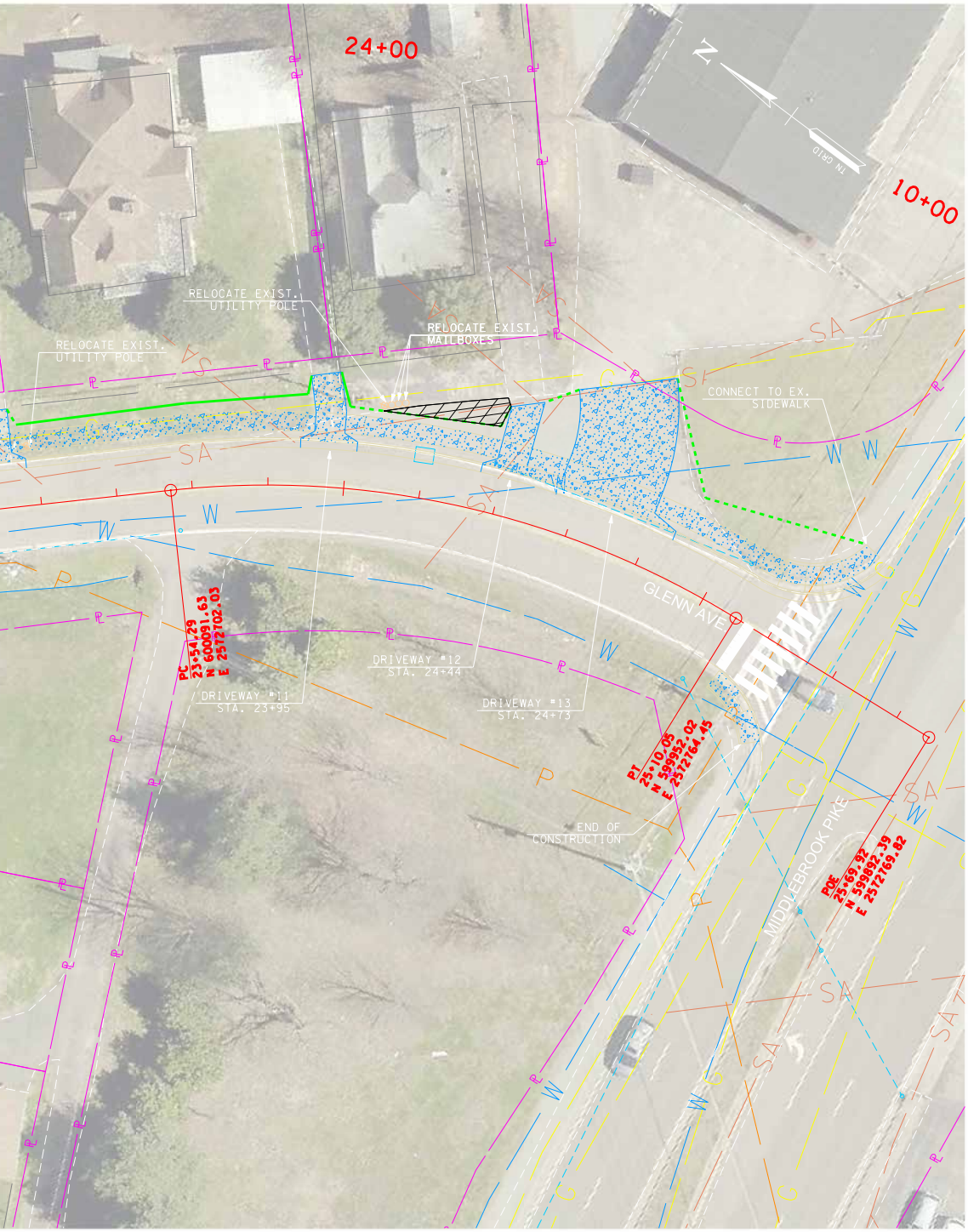
LEGEND
- CONCRETE
- GRAVEL
- ASPHALT
- FILL
- CUT



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20' 0 10' 20' 30' 40'

SCALE: 1"=20'

CITY OF KNOXVILLE

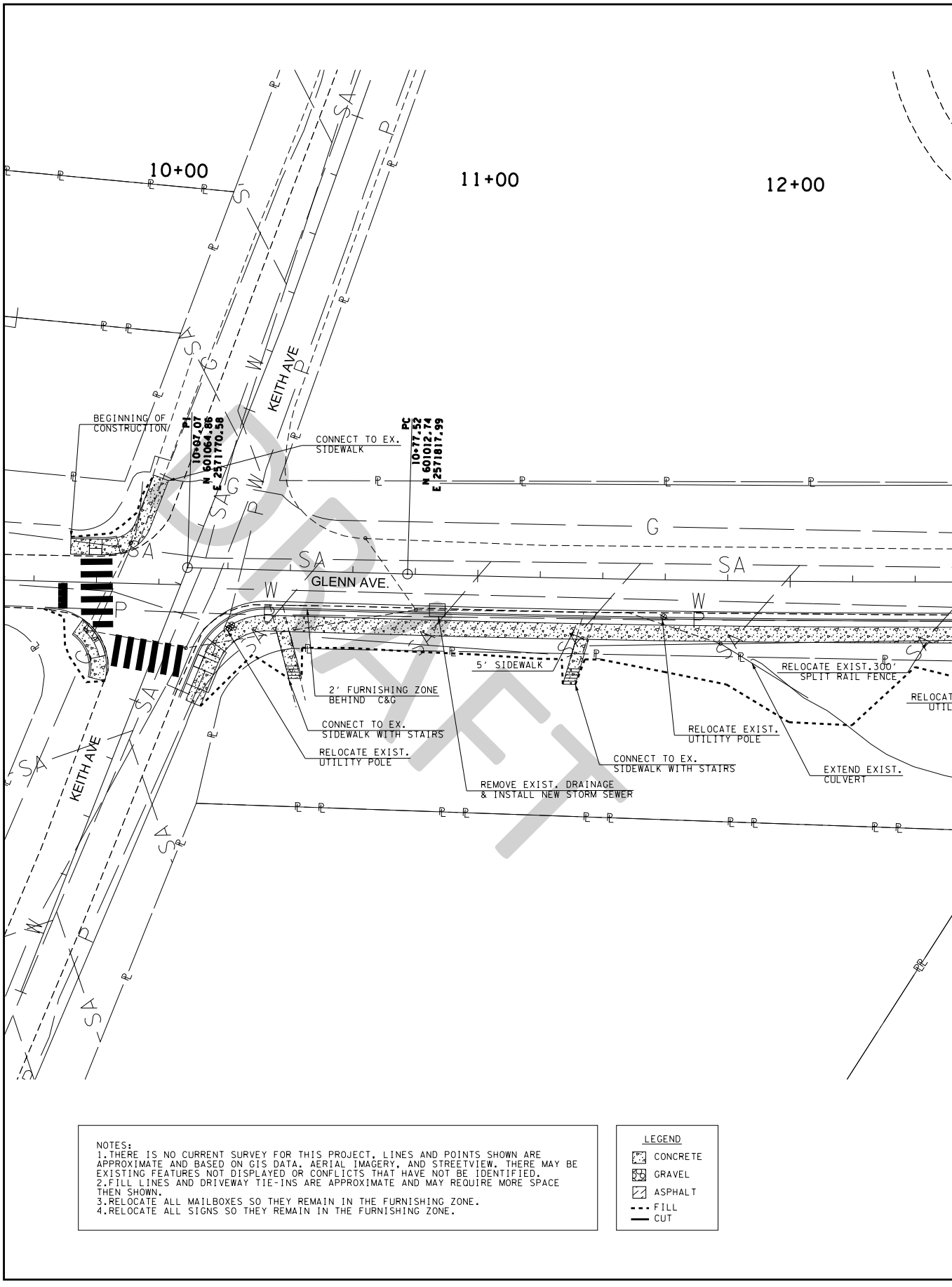
PROJECT NO. 43803.00

GLENN AVENUE SIDEWALK IMPROVEMENTS

PROPOSED OPTION 1 WITH AERIAL

SCALE: 1" = 20'

SHEET 5 OF 9A


10+00
11+00
12+00
BEGINNING OF CONSTRUCTION
PI
10+67.07
N 601064.86
E 2371770.58
CONNECT TO EX. SIDEWALK
PC
10+77.52
N 601012.74
E 2371817.99
KEITH AVE
GLENN AVE.
5' SIDEWALK
2' FURNISHING ZONE BEHIND C&G
CONNECT TO EX. SIDEWALK WITH STAIRS
RELOCATE EXIST. UTILITY POLE
REMOVE EXIST. DRAINAGE & INSTALL NEW STORM SEWER
CONNECT TO EX. SIDEWALK WITH STAIRS
RELOCATE EXIST. UTILITY POLE
RELOCATE EXIST.300' SPLIT RAIL FENCE
EXTEND EXIST. CULVERT
DRAFT
NOTES:
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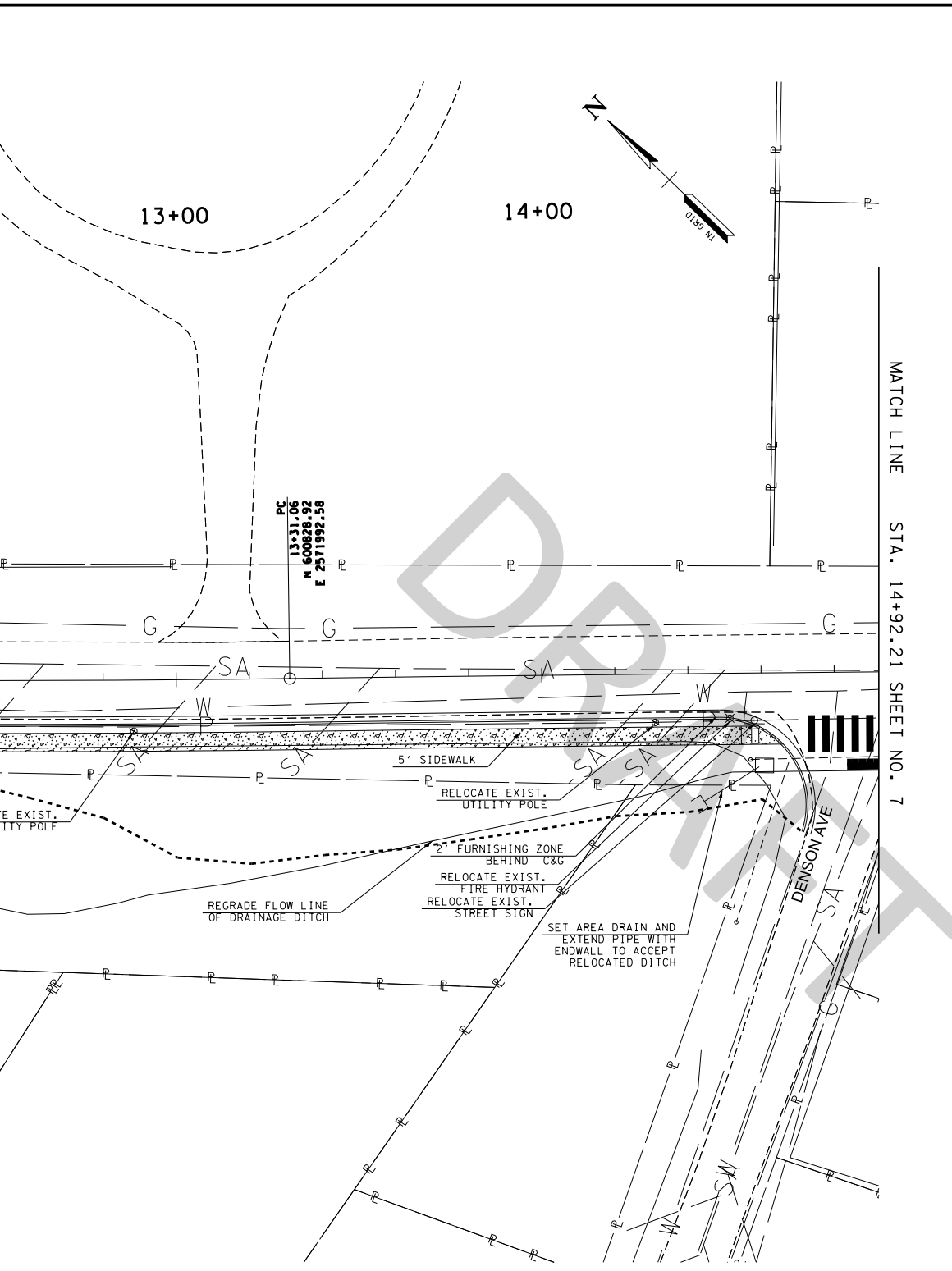
LEGEND
CONCRETE
GRAVEL
ASPHALT
FILL
CUT



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CITY OF KNOXVILLE

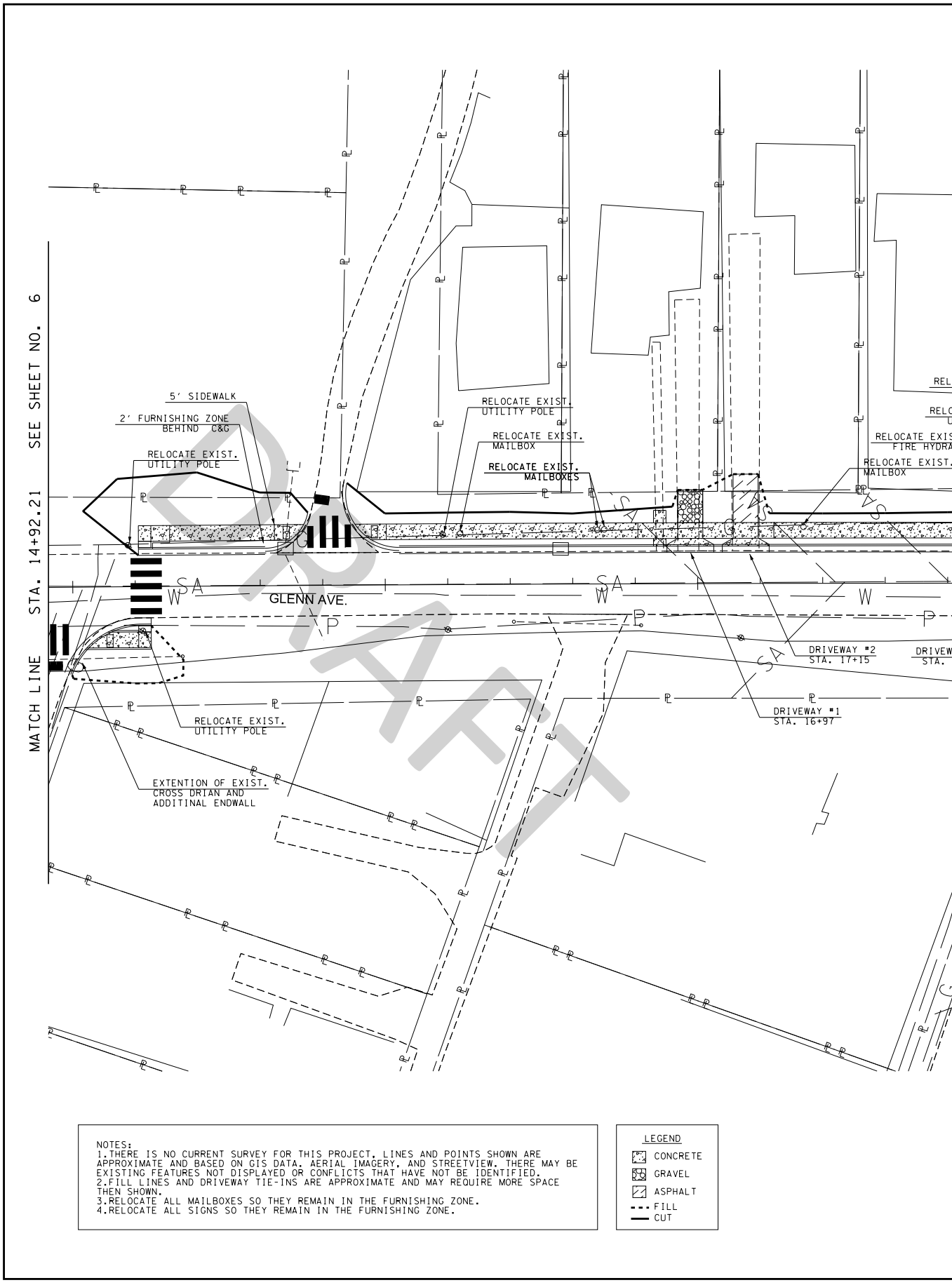
PROJECT NO. 43803.00

GLENN AVENUE
SIDEWALK
IMPROVEMENTS

PROPOSED OPTION 1
WITH NO AERIAL

SCALE: 1" = 20'

SHEET 6 OF 9A


MATCH LINE STA. 14+92.21 SEE SHEET NO. 6
5' SIDEWALK
2' FURNISHING ZONE BEHIND C&G
RELOCATE EXIST. UTILITY POLE
RELOCATE EXIST. UTILITY POLE
RELOCATE EXIST. MAILBOX
RELOCATE EXIST. MAILBOXES
RELOCATE EXIST. MAILBOX
GLENN AVE.
DRIVEWAY #2 STA. 17+15
DRIVEWAY #1 STA. 16+97
RELOCATE EXIST. UTILITY POLE
EXTENTION OF EXIST. CROSS DRIAN AND ADDITINAL ENDWALL
DRAFT
NOTES:
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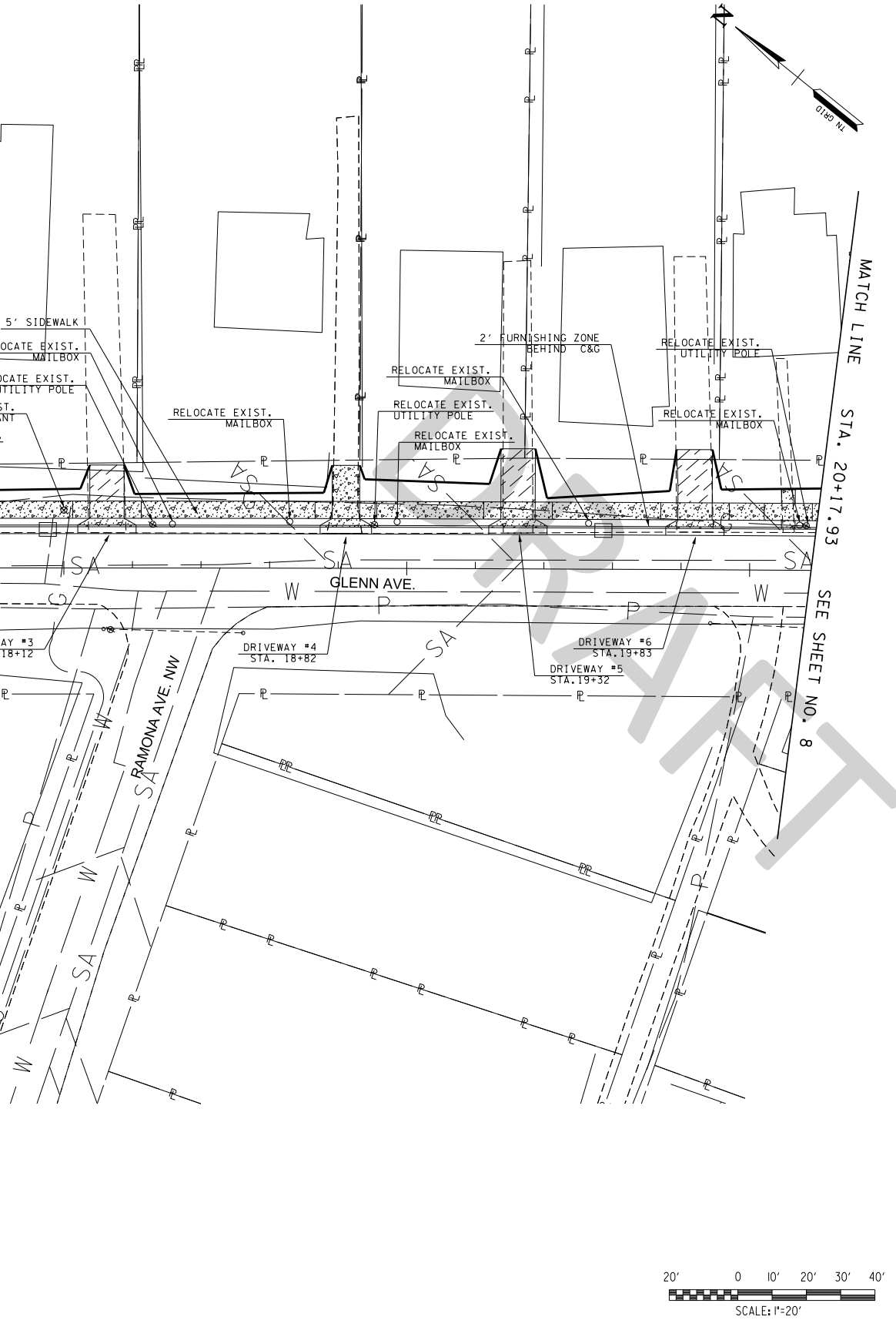
LEGEND
CONCRETE
GRAVEL
ASPHALT
FILL
CUT



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CITY OF KNOXVILLE

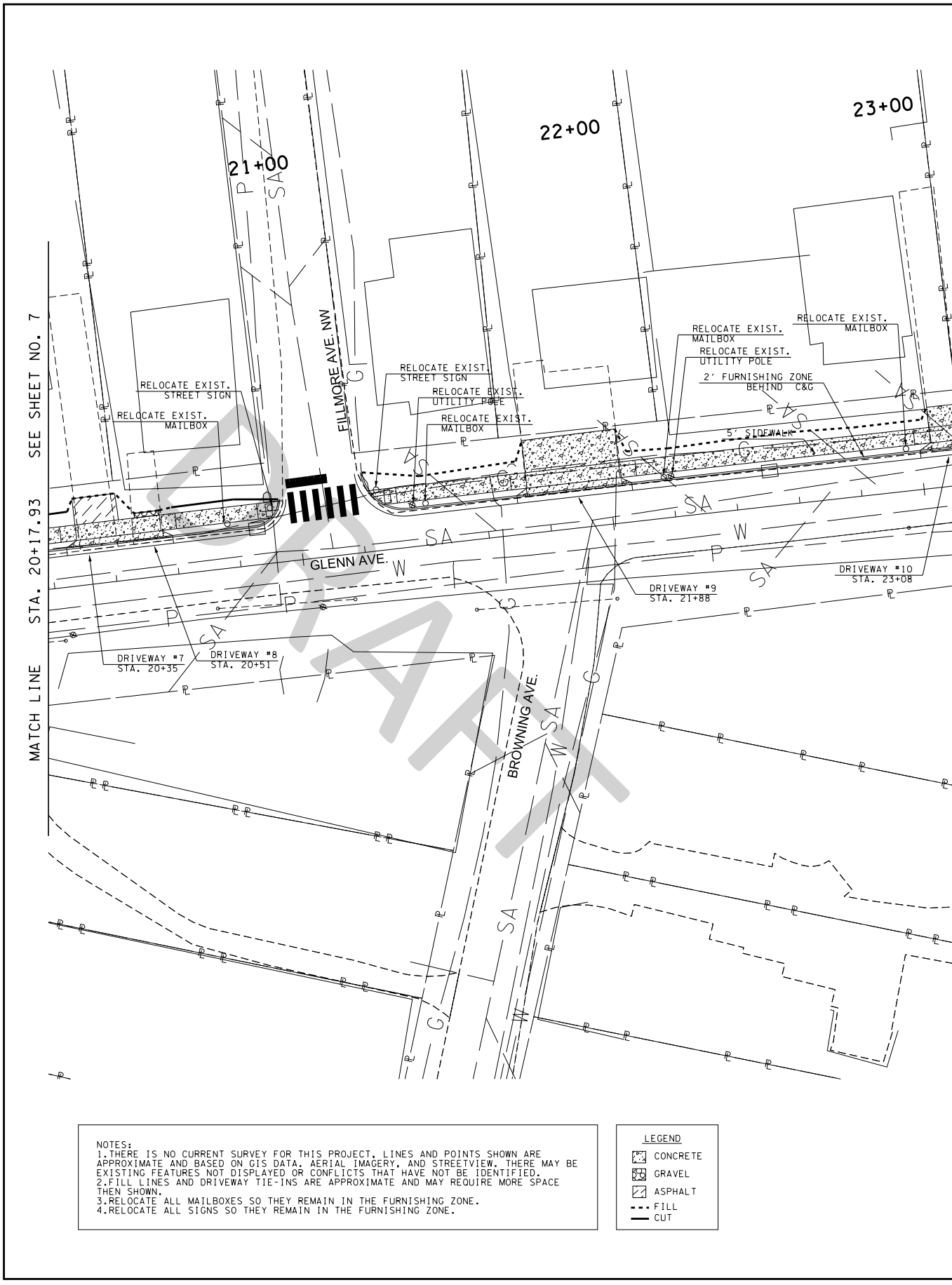
PROJECT NO. 43803.00

GLENN AVENUE SIDEWALK IMPROVEMENTS

PROPOSED OPTION 1 WITH NO AERIAL

SCALE: 1" = 20'

SHEET 7 OF 9A


21+00
22+00
23+00
MATCH LINE STA. 20+17.93 SEE SHEET NO. 7
FILLMORE AVE. NW
GLENN AVE.
BROWNING AVE.
RELOCATE EXIST. STREET SIGN
RELOCATE EXIST. MAILBOX
RELOCATE EXIST. UTILITY POLE
2' FURNISHING ZONE BEHIND C&G
5' SIDEWALK
DRIVEWAY #7 STA. 20+35
DRIVEWAY #8 STA. 20+51
DRIVEWAY #9 STA. 21+88
DRIVEWAY #10 STA. 23+08
DRAFT
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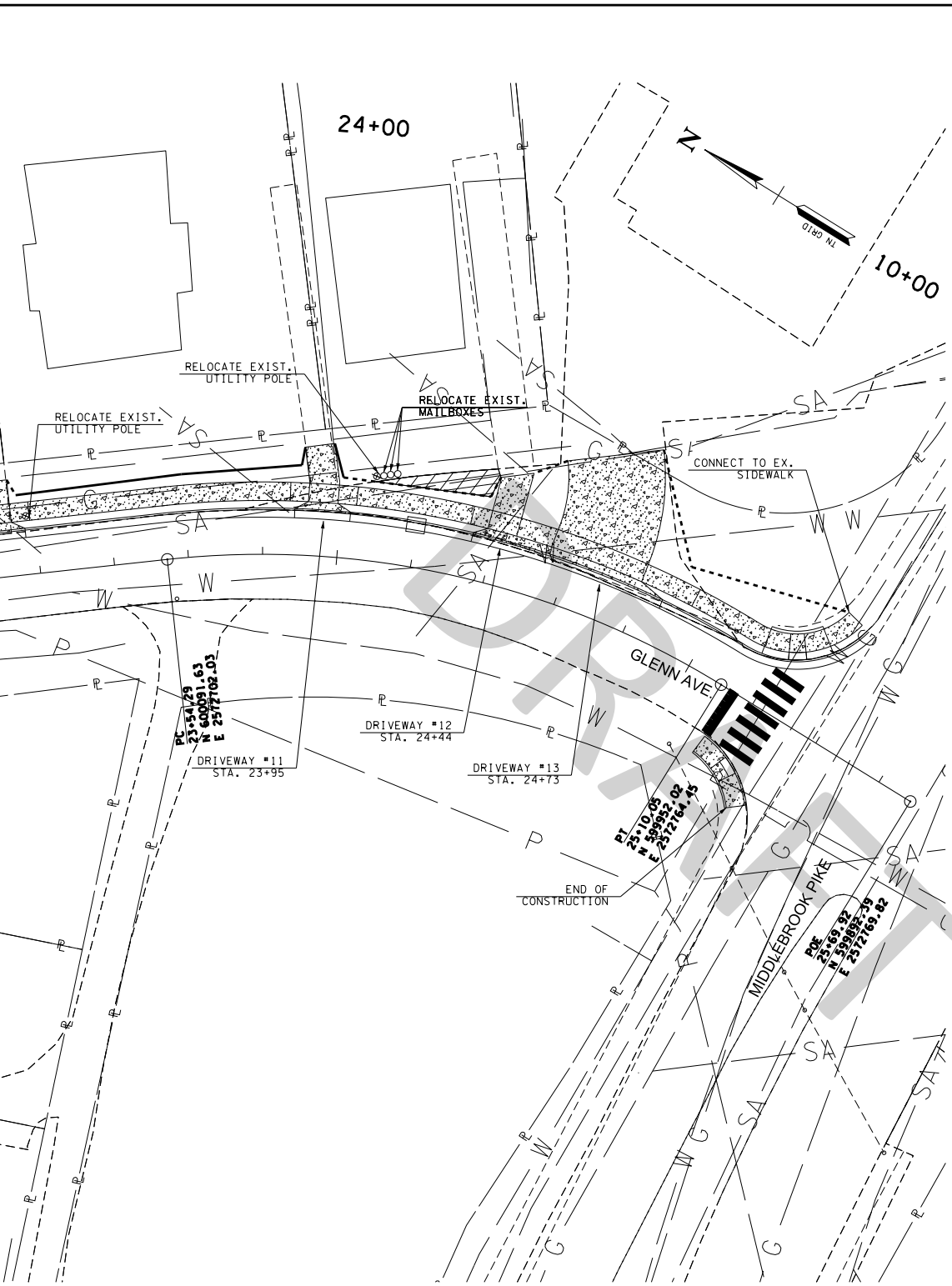
LEGEND
CONCRETE
GRAVEL
ASPHALT
FILL
CUT



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CITY OF KNOXVILLE

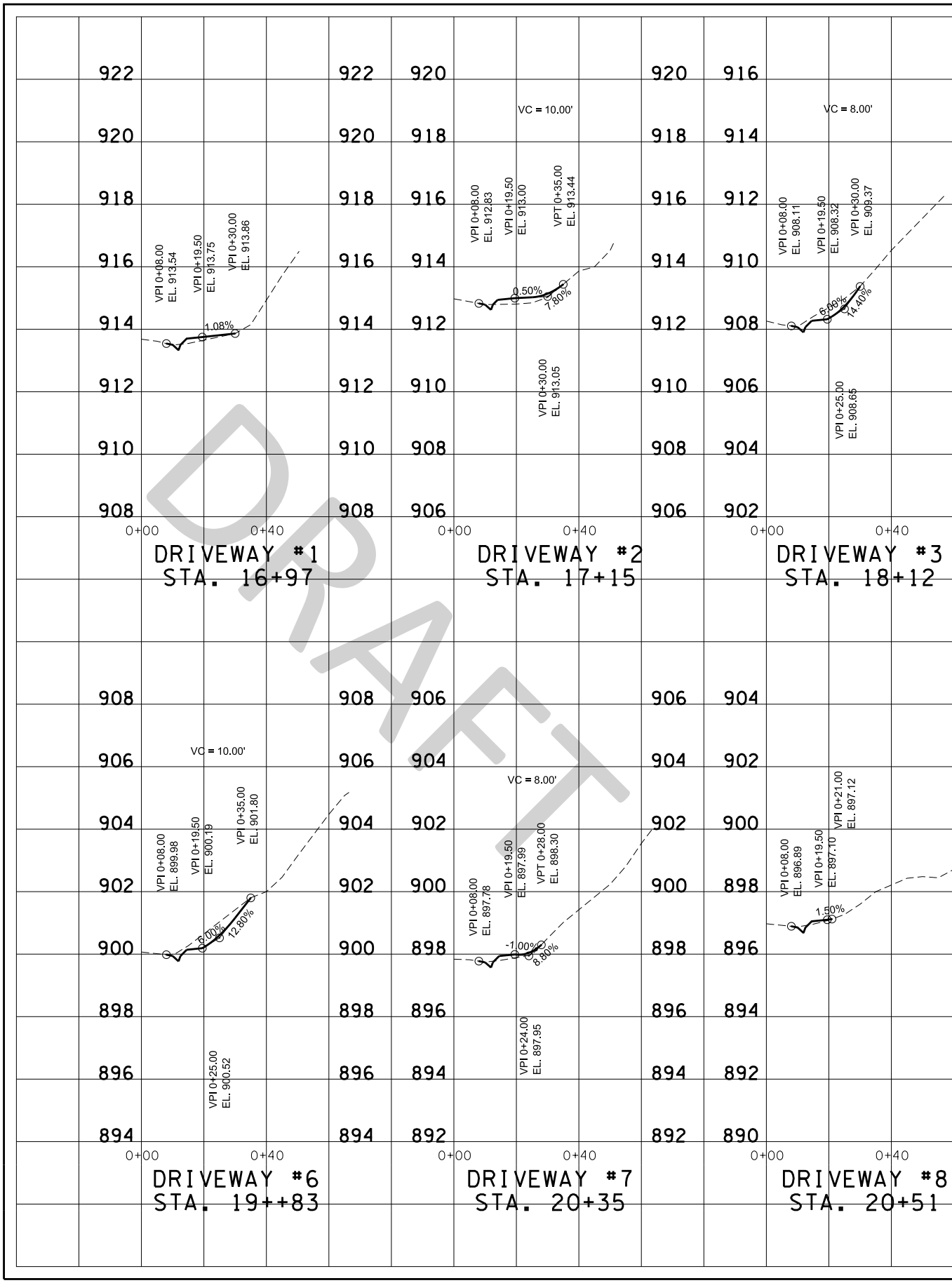
PROJECT NO. 43803.00

GLENN AVENUE SIDEWALK IMPROVEMENTS

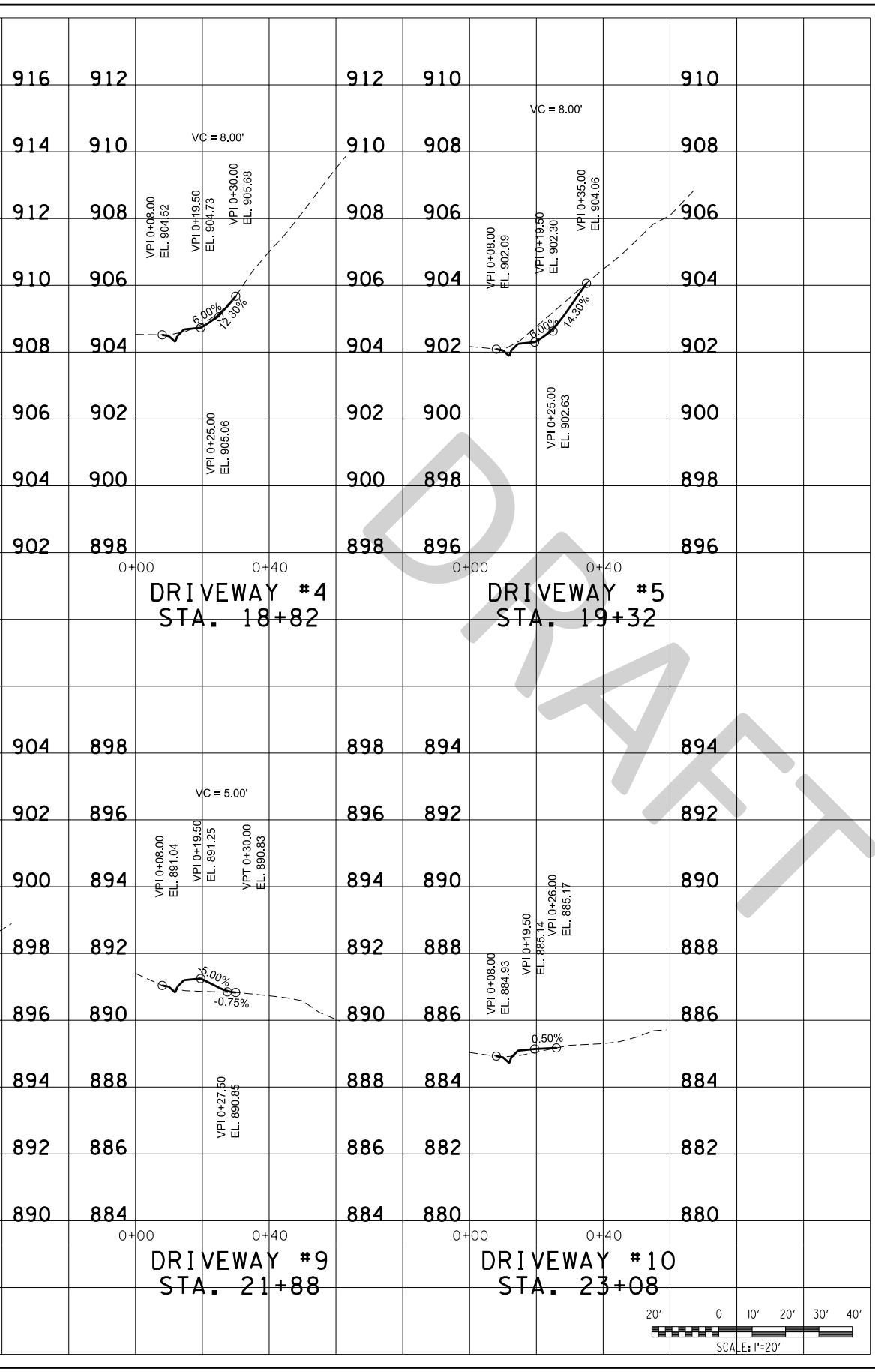
PROPOSED OPTION 1 WITH NO AERIAL

SCALE: 1" = 20'

SHEET 8 OF 9A


922
920
918
916
914
912
910
908
0+00
0+40
VPI 0+08.00
EL. 913.54
VPI 0+19.50
EL. 913.75
VPI 0+30.00
EL. 913.86
1.08%
DRIVEWAY #1
STA. 16+97
VC = 10.00'
VPI 0+08.00
EL. 912.83
VPI 0+19.50
EL. 913.00
VPT 0+35.00
EL. 913.44
0.50%
7.80%
VPI 0+30.00
EL. 913.05
DRIVEWAY #2
STA. 17+15
VC = 8.00'
VPI 0+08.00
EL. 908.11
VPI 0+19.50
EL. 908.32
VPI 0+30.00
EL. 909.37
6.00%
14.40%
VPI 0+25.00
EL. 908.65
DRIVEWAY #3
STA. 18+12
VC = 10.00'
VPI 0+08.00
EL. 899.98
VPI 0+19.50
EL. 900.19
VPI 0+35.00
EL. 901.80
5.00%
12.60%
VPI 0+25.00
EL. 900.52
DRIVEWAY #6
STA. 19++83
VC = 8.00'
VPI 0+08.00
EL. 897.78
VPI 0+19.50
EL. 897.99
VPT 0+28.00
EL. 898.30
-1.00%
8.80%
VPI 0+24.00
EL. 897.95
DRIVEWAY #7
STA. 20+35
VPI 0+08.00
EL. 896.89
VPI 0+19.50
EL. 897.10
VPI 0+21.00
EL. 897.12
1.50%
DRIVEWAY #8
STA. 20+51

DRAFT



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CITY OF KNOXVILLE

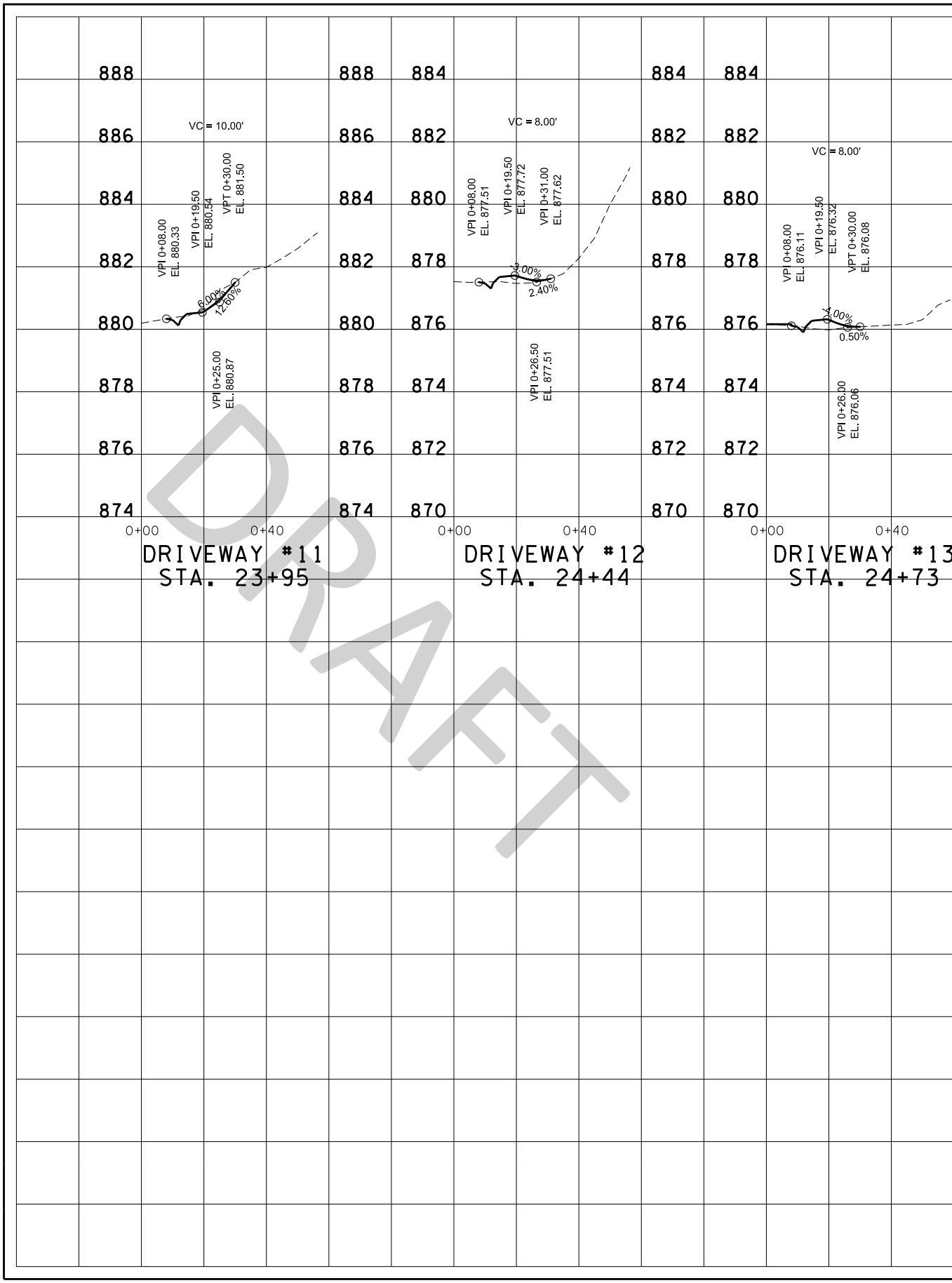
PROJECT NO. 43803.00

GLENN AVENUE SIDEWALK IMPROVEMENTS

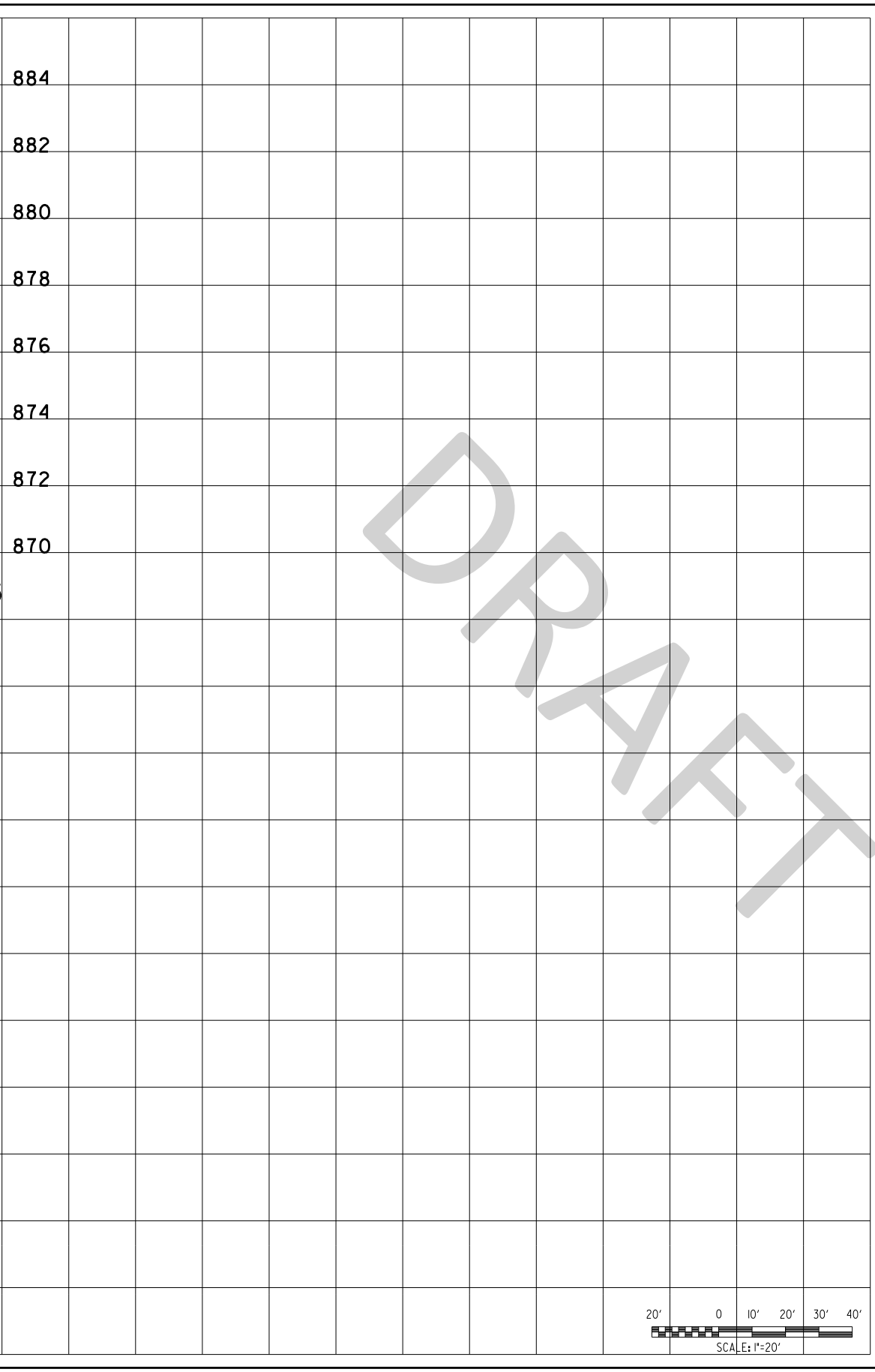
PROPOSED DRIVEWAY PROFILES

SCALE: 1" = 20'
1" = 2'

SHEET 9 OF 9A


888
886
884
882
880
878
876
874
VC = 10.00'
VPI 0+08.00
EL. 880.33
VPI 0+19.50
EL. 880.54
VPT 0+30.00
EL. 881.50
6.00%
12.60%
VPI 0+25.00
EL. 880.87
0+00
0+40
DRIVEWAY #11
STA. 23+95
888
886
884
882
880
878
876
874
872
870
VC = 8.00'
VPI 0+08.00
EL. 877.51
VPI 0+19.50
EL. 877.72
VPI 0+31.00
EL. 877.62
3.00%
2.40%
VPI 0+26.50
EL. 877.51
0+00
0+40
DRIVEWAY #12
STA. 24+44
884
882
880
878
876
874
872
870
VC = 8.00'
VPI 0+08.00
EL. 876.11
VPI 0+19.50
EL. 876.32
VPT 0+30.00
EL. 876.08
4.00%
0.50%
VPI 0+26.00
EL. 876.06
0+00
0+40
DRIVEWAY #13
STA. 24+73

DRAFT



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CITY OF KNOXVILLE

PROJECT NO. 43803.00

GLENN AVENUE SIDEWALK IMPROVEMENTS

PROPOSED DRIVEWAY PROFILES

SCALE: 1" = 20'
1" = 2'

SHEET 9 OF 9A

INDEX

SHEET NO.	SHEET NAME
1	TITLE SHEET & INDEX
2	DESIGN REVIEW AND CONSTRUCTION ESTIMATE
3-5	PROPOSED OPTION 1
5-8	PROPOSED OPTION 1- NO AERIAL

CITY OF

N BROAD
SIDEWALK
FROM FOUNTAIN VIEW
(PROJECT LENGTH A

DRAFT

BEGIN PROJECT STA. 10+23.86

SC

SPECIAL NOTES

PROPOSALS MAY BE REJECTED IF ANY OF THE UNIT PRICES CONTAINED THEREIN ARE OBVIOUSLY UNBALANCED, EITHER EXCESSIVE OR BELOW THE REASONABLE COST ANALYSIS VALUE.

THIS PROJECT TO BE CONSTRUCTED UNDER THE STANDARD SPECIFICATIONS OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION DATED JANUARY 1, 2015, AND ADDITIONAL SPECIFICATIONS AND SPECIAL PROVISIONS CONTAINED IN THE PLANS AND IN THE CONTRACT.

ALL CONSTRUCTION ACTIVITIES SHALL BE COMPLETED IN F
COMPLIANCE WITH THE AMERICANS WITH DISABILITIES ACT
AND ARCHITECTURAL AND TRANSPORTATION BARRIERS COM
BOARD, FEDERAL REGISTER 36CFR PART 1191,
ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES;
ARCHITECTURAL BARRIERS ACT (ABA) ACCESSIBILITY GUIDEL
PROPOSED RULE, PUBLISHED IN THE FEDERAL REGISTER ON
SEPTEMBER 15, 2010, AS HAS BEEN ADOPTED BY METRO.

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KNOXVILLE

PROJECT NO. 43803.00
PRELIMINARY DESIGN

WAY STREET
IMPROVEMENTS
PLAZA TO GRESHAM ROAD
APPROXIMATELY 1,110 FT)

DRAFT

SCALE: 1"=200'

FULL
(ADA)
MPLIANCE

LINES:
N

CIVIC
ENGINEERING | TECHNOLOGY | PROGRESS
25 LINDSLEY AVENUE, NASHVILLE, TN 37210
(615) 425-2000

Sheet 1 of 8

PRELIMINARY DESIGN REVIEW OP

PROJECT NAME: North Broadway Street from Fountain View Plaza to Gresham Road Sidewalk Improvements
PROJECT NO: 43803.00
DATE: June 10, 2020

OPTIONS	Existing Pavement Width (EOP to EOP)	Proposed Side of Road	Proposed Pavement Width (EOP to EOP)	Proposed Curb and Gutter/ Post Curb	Proposed Sidewalk Width	Proposed Grass Strip Width	Proposed Bicycle Zone	Water Meter, Valve, and Hydrant Conflicts
Option 1	50'-84'	East	50'-84'	Prop C&G	5'	Varies	none	3

Sidewalk Length = 1110 LF

Option 1

- Install 5' sidewalk and furnishing zone; use existing C&G where possible and construct C&G elsewhere
- Furnishing zone width varies to avoid impacts
- Layout was not based on survey, so the number of conflicts and design is subject to change
- Sidewalk layout from 5334 N Broadway St to the end of project may need to be coordinated with commercial properties due to the impact the sid
- The sidewalk may not leave enough room for the current parking locations along N Broadway St
- Potential water meter, sanitary cleanout, water service line, and sanitary service line adjustments on each property
- Relocate 1 fire hydrant
- Relocate 2 poles and 3 guy wires
- Relocate 1 utility pullbox, 1 gas controller, and 3 bollards
- Relocate 1 pedestrian push button
- Relocate 2 signs

Arterial Boulevard Sidewalk Estimate ($/lf)	Percent/Length	Cost/lf
Sidewalks - Arterial Roadways	100%	$313
Drainage	75%	$215
Retaining Wall 30%	0%	$0
Contingency 10%	10%	
Engineering/CEI 25%	25%	
RoW - Residential Roadways	0%	$0
RoW - Commercial Arterial Boulevard Roadways Urban	100%	$35
Easement - Arterial Boulevard Urban	100%	$40
Damages - Arterial Boulevards Urban	100%	$25
Appraisal/closing	100%	$13
	Project length	**1110**
	Estimated Cost:	**$933,000**
	Cost/lf:	**$841**
Sidewalks - Arterial Roadways		$347,238
Drainage		$238,650
Retaining Wall 30%		$0
Sub-Total Construction Costs:		**$586,000**
Contingency 10%		**$59,000**
Total Construction Costs:		**$645,000**
Engineering/CEI 25%		**$162,000**
RoW - Residential Roadways		$0
RoW - Commercial Arterial Boulevard Roadways Urban		$38,850
Easement - Arterial Boulevard Urban		$44,400
Damages - Arterial Boulevards Urban		$27,750
Appraisal/closing		$14,430
RoW & Easement Acquisition/Damages/Appraisals		**$126,000**

Sidewalk C

ITEM	
105-01.01	C
203-01	F
203-07	F
303-01	M
307-01.01	A
307-01.08	A
402-01	B
402-02	A
403-01	B
407-02.13	F
407-20.05	S
411-01.02	A
502-04.01	S
701-01.01	C
701-01.02	C
701-02.01	C
701-02.02	C
702-03	C
712-04.01	F
712-05.01	W
712-06	S
712-07.03	T
712-08.06	U
716-02.09	P
716-02.05	P
730-26.10	P
740-11.02	T
801-01	S
PW-DW-001	D
SP-7	P
SP-10	P
WS-2	A

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TIONS

Power Pole Conflicts	Drainage Conflicts	Sign Conflicts	*ROW Req'd.	*Temp. Const. Esmt. Req'd.	Drainage Design Req'd.
4	6	2	yes (8)	yes (11)	yes

*No. of Approximate Properties (x)

ewalk has on parking along these properties.

Cost Estimate Arterial Boulevard Roadways

DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	COST ESTIMATED
Construction stakes, lines, grades	44	HR	$140 00	$6,216.00
Road and Drainage Exc (uncl)	822	CY	$50 00	$41,111.11
Furnishing & Spreading Topsoil	1,480	SY	$9 00	$13,320.00
Min. Agg. Type A Base, Gr. D	328	TN	$40 00	$13,100.74
Asphalt Concrete Mix (PG64-22) (BPMB-HM) Grading A	57	TON	$110 00	$6,240.67
Asph. Conc. Mix (PG64-22) B-M2	28	TN	$350 00	$9,755.67
Bit. Mat'l. for Prime Coat (PC)	0.4	TN	$600 00	$224.24
Agg. for Cover Mat'l.	1.5	TN	$20 00	$29.60
Bit. Mat'l for Tack Coat (TC)	0.1	TN	$2,500 00	$133.48
Remove & Dispose Exist. Asp. .	51	CY	$20 00	$1,027.78
Saw Cut Asphalt Pavement	1,110	LF	$4 00	$4,440.00
Asphalt Concrete Mix Grading "D"	20	TN	$400 00	$7,844.00
Saw Cut Conc. (0-8")	160	LF	$15 00	$2,393.10
Concrete Sidewalk (4") (ST-210)	4,512	SF	$8 00	$36,098.40
Conc. Driveway (6")(w/WWM) (ST-322)	3,191	SF	$11 00	$35,098.80
Concrete Curb Ramp-6" (ST-320)	396	SF	$33 00	$13,068.00
Concrete Driveway 8"(w/ wire mesh) (ST-324)	1,453	SF	$11 00	$15,980.58
Concrete Curb & Gutter (ST-200)	1,110	LF	$40 00	$44,400.00
Flexible Drums (Channelizing)	37	EA	$30 00	$1,110.00
Warning Light (Type "A")	37	EA	$30 00	$1,110.00
Signs (Construction)	672	SF	$15 00	$10,080.00
Temporary Barricades, Type III	144	LF	$17 00	$2,448.00
Uniformed Policeman	710	HR	$40 00	$28,416.00
Plastic Pavement Marking (Cross-Walk)	192	LF	$55 00	$10,560.00
Plastic Pavement Marking (Stop Line)	96	LF	$30 00	$2,880.00
Pedestrian Signal Head w/Pushbutton & 15in Sign	2	EA	$1,200 00	$2,400.00
Temporary Sediment Tube 12In (Description)	1,110	LF	$4 00	$4,440.00
Seeding (with mulch)	1,480	SY	$10 00	$14,800.00
Detectable Warnings (Specification 02523) (ST-329, ST-330)	30	SF	$30 00	$900.00
Permits	45	DAY	$250 00	$11,250.00
Furnish and Install Project Signs	2	EA	$750 00	$1,500.00
Adj. of Water Meters (0-2')	12	EA	$500 00	$6,000.00
			Estimated Construction Cost	**$349,637.53**
			Estimated Cost per Linear Foot	**$314.99**

CITY OF KNOXVILLE

PROJECT NO. 43803.00

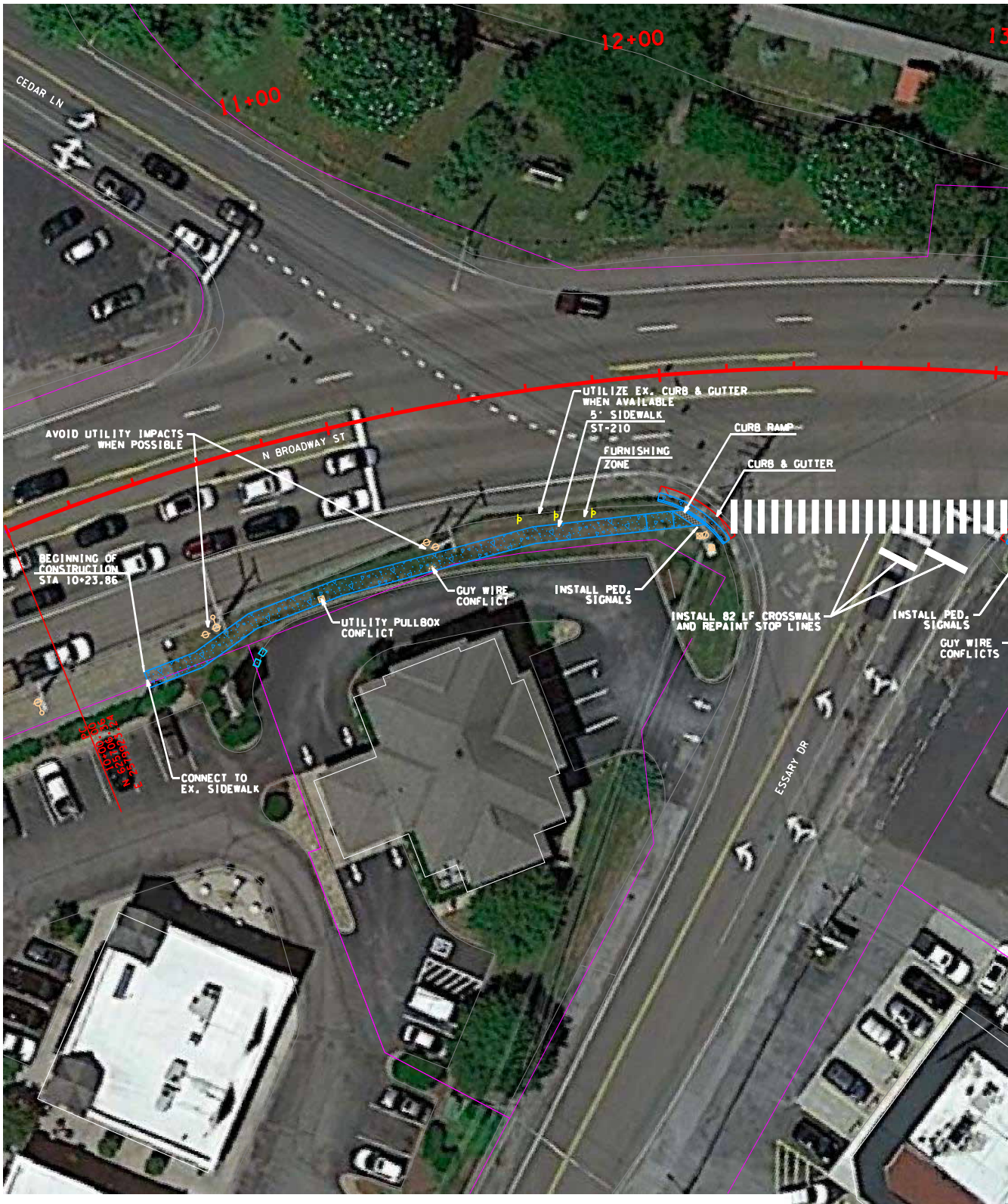
N BROADWAY ST SIDEWALK IMPROVEMENTS

CONSTRUCTION ESTIMATE

SCALE: 1" = 20'

SHEET 2 OF 8

North Broadway Street Sidewalk Improvements



LEGEND

ASPHALT

CONCRETE

NOTES:

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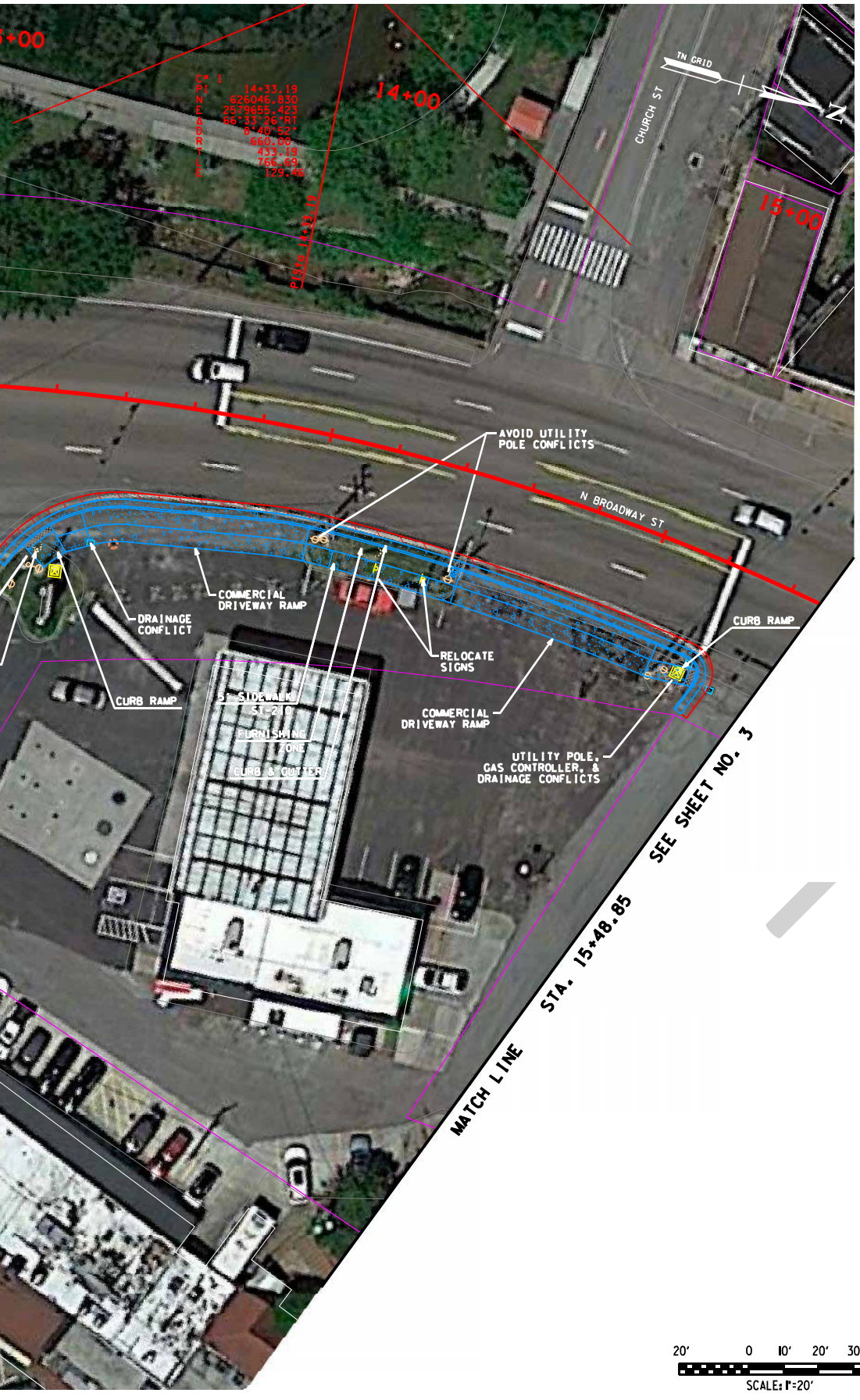
2. FILL LINES AND DRIVEWAY TIE-INS ARE NOT SHOWN DUE TO THE LACK OF SIGNIFICANT CONTOUR DATA.
3. RELOCATE ALL SIGNS SO THEY REMAIN IN THE FURNISHING ZONE.



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CITY OF KNOXVILLE

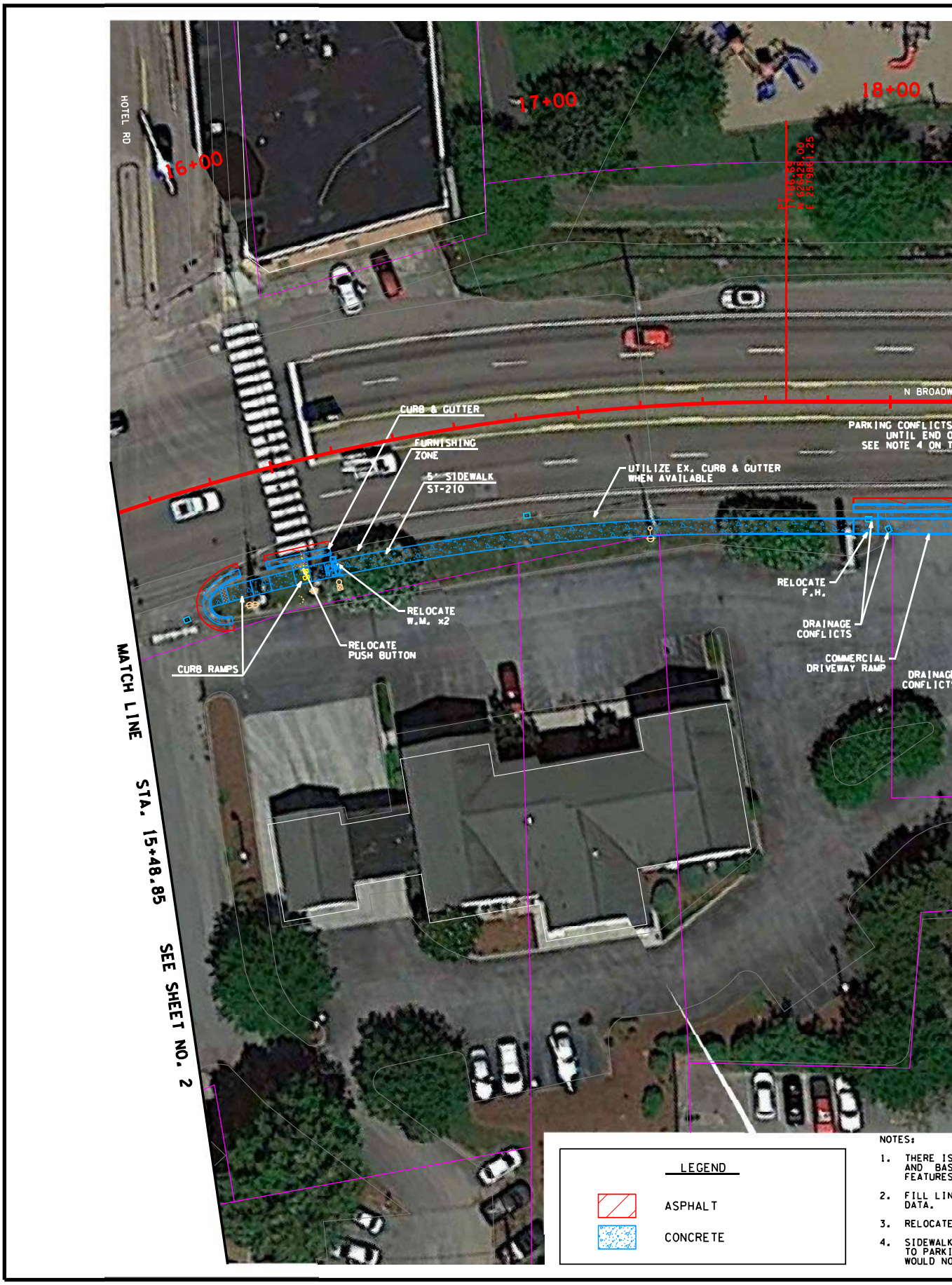
PROJECT NO. 43803.00

N BROADWAY ST SIDEWALK IMPROVEMENTS

PROPOSED OPTION 1

SCALE: 1" = 20'

SHEET 3 OF 8


HOTEL RD
16+00
17+00
18+00
N BROADW
CURB & GUTTER
FURNISHING ZONE
5' SIDEWALK ST-210
UTILIZE EX. CURB & GUTTER WHEN AVAILABLE
PARKING CONFLICTS UNTIL END O SEE NOTE 4 ON T
RELOCATE W.M. x2
RELOCATE PUSH BUTTON
CURB RAMPS
RELOCATE F.H.
DRAINAGE CONFLICTS
COMMERCIAL DRIVEWAY RAMP
MATCH LINE STA. 15+48.85 SEE SHEET NO. 2
LEGEND
ASPHALT
CONCRETE
NOTES:
1. THERE IS AND BAS FEATURES
2. FILL LIN DATA.
3. RELOCATE
4. SIDEWALK TO PARKI WOULD NO

MATCH LINE STA. 19+96.88 SEE SHEET NO. 4

FILE NO.	OPTION1-2.SHT
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DES AND DRIVEWAY TIE-INS ARE NOT SHOWN DUE TO THE LACK OF SIGNIFICANT CONTOUR

ALL SIGNS SO THEY REMAIN IN THE FURNISHING ZONE.

LAYOUT MAY NEED TO BE COORDINATED WITH COMMERCIAL SPACES DUE TO THE IMPACT
NG ALONG N BROADWAY ST. IT IS POSSIBLE THAT THE CONSTRUCTION OF SIDEWALK
T LEAVE ROOM FOR PARKING SPACES.

20' 0 10' 20' 30' 40'
SCALE: 1"=20'

CITY OF KNOXVILLE

PROJECT NO. 43803.00

N BROADWAY ST SIDEWALK IMPROVEMENTS

PROPOSED OPTION 1

SCALE: 1" = 20'

SHEET 4 OF 8

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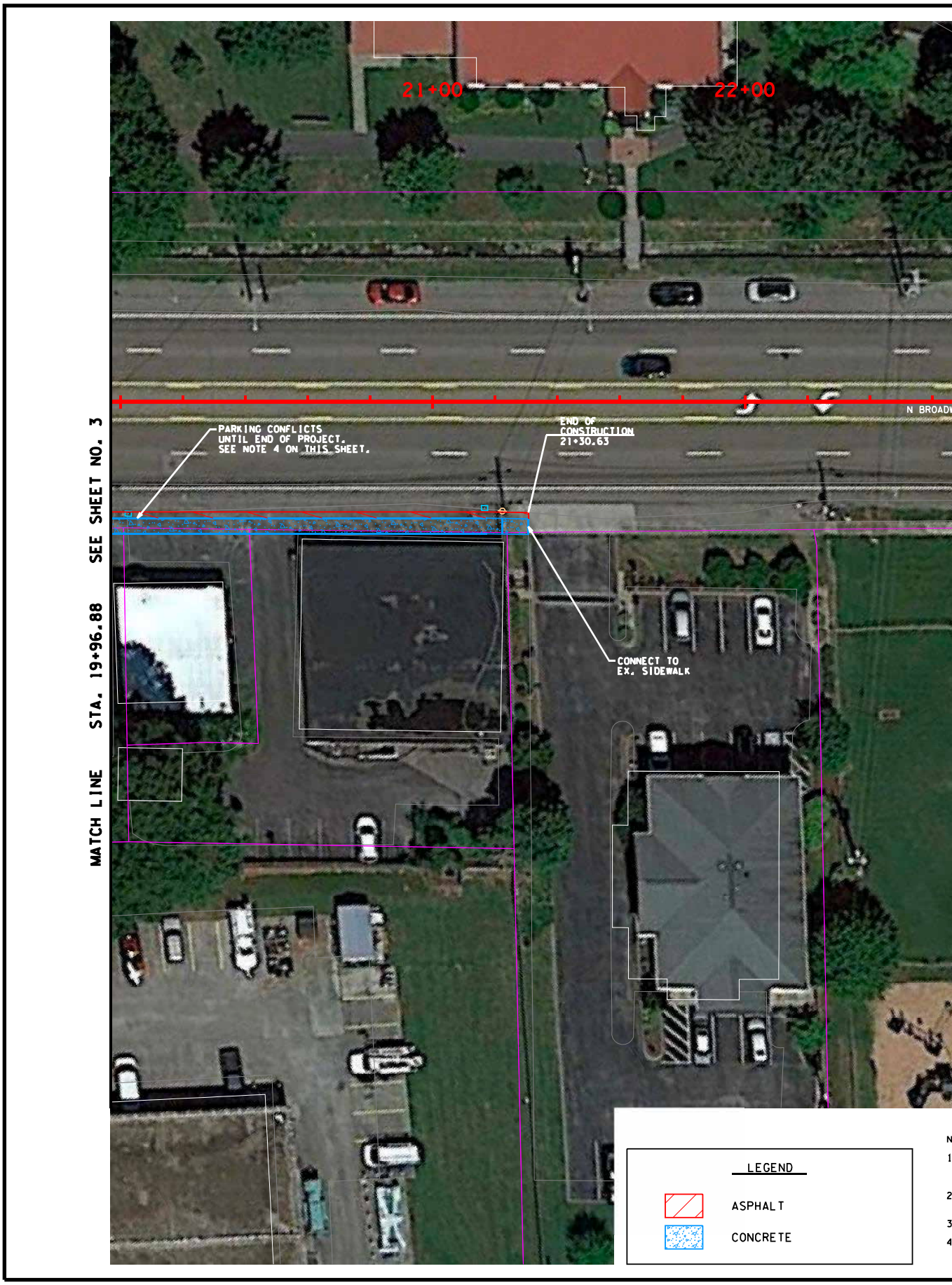
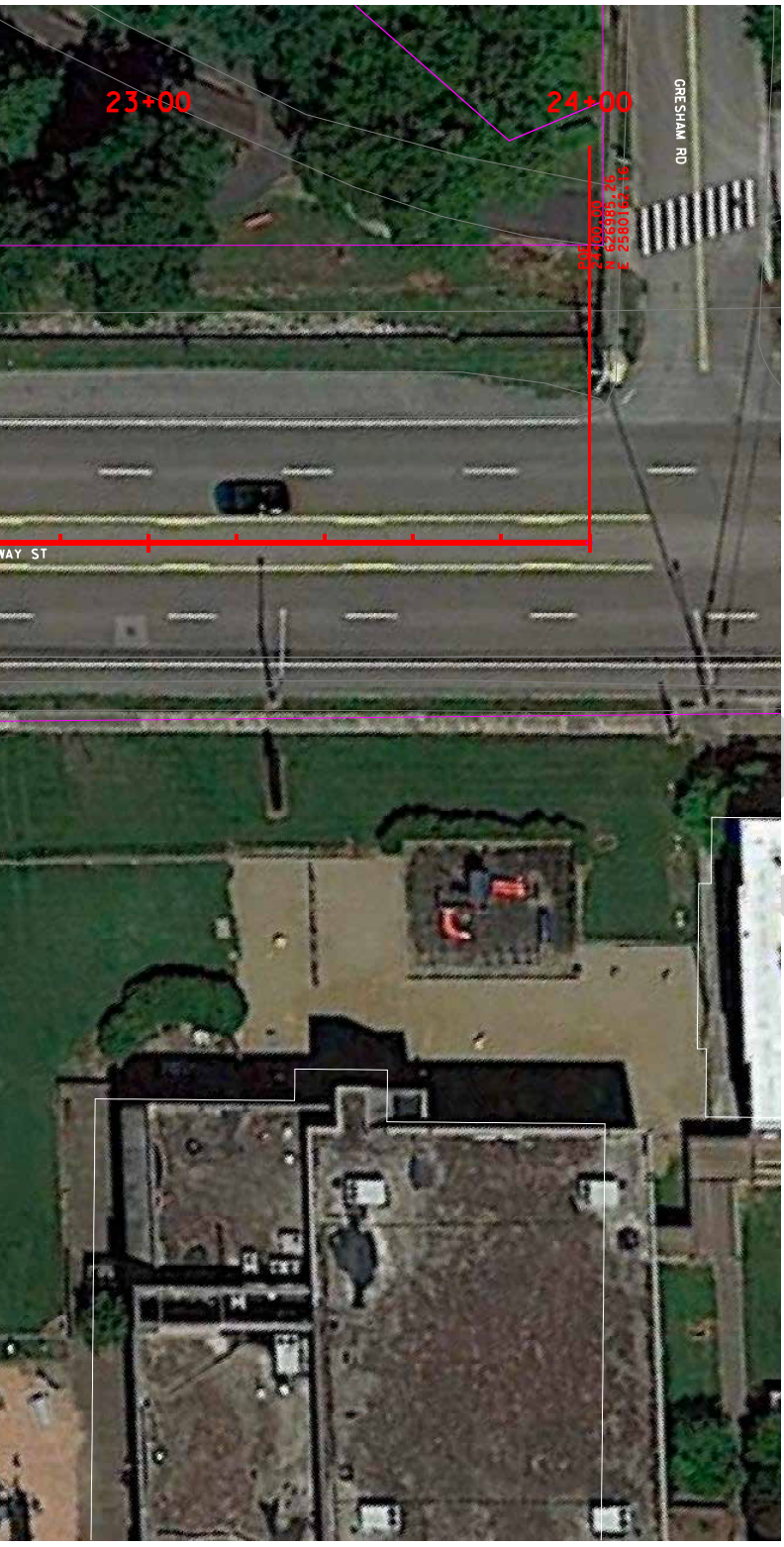

21+00
22+00
N BROADW
PARKING CONFLICTS
UNTIL END OF PROJECT.
SEE NOTE 4 ON THIS SHEET.
END OF
CONSTRUCTION
21+30.63
CONNECT TO
EX. SIDEWALK
MATCH LINE STA. 19+96.88 SEE SHEET NO. 3
LEGEND
ASPHALT
CONCRETE



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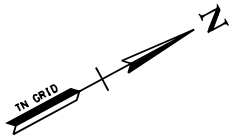

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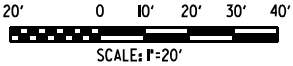
3. RELOCATE ALL SIGNS SO THEY REMAIN IN THE FURNISHING ZONE.
4. SIDEWALK LAYOUT MAY NEED TO BE COORDINATED WITH COMMERCIAL SPACES DUE TO THE IMPACT TO PARKING ALONG N BROADWAY ST. IT IS POSSIBLE THAT THE CONSTRUCTION OF SIDEWALK WOULD NOT LEAVE ROOM FOR PARKING SPACES.



CITY OF KNOXVILLE

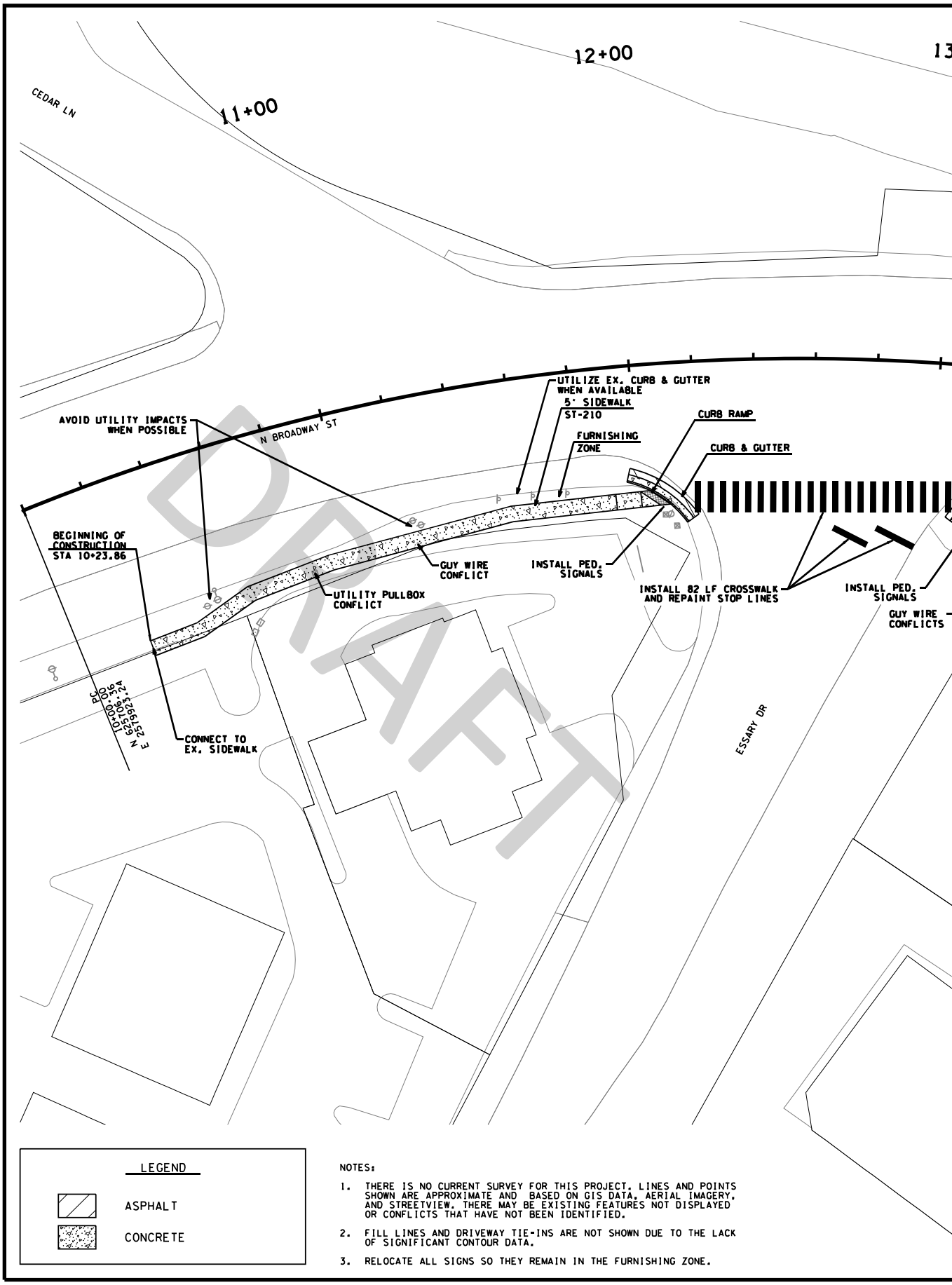
PROJECT NO. 43803.00

N BROADWAY ST SIDEWALK IMPROVEMENTS

PROPOSED OPTION 1

SCALE: 1" = 20'

SHEET 5 OF 8


12+00
11+00
CEDAR LN
N BROADWAY ST
AVOID UTILITY IMPACTS WHEN POSSIBLE
UTILIZE Ex. CURB & GUTTER WHEN AVAILABLE
5' SIDEWALK ST-210
FURNISHING ZONE
CURB RAMP
CURB & GUTTER
BEGINNING OF CONSTRUCTION STA 10+23.86
GUY WIRE CONFLICT
UTILITY PULLBOX CONFLICT
INSTALL PED. SIGNALS
INSTALL 82 LF CROSSWALK AND REPAINT STOP LINES
INSTALL PED. SIGNALS
GUY WIRE CONFLICTS
CONNECT TO Ex. SIDEWALK
10+00.00 N 251932.90 E 625306.23
ESSARY DR
DRAFT
LEGEND
ASPHALT
CONCRETE
NOTES:
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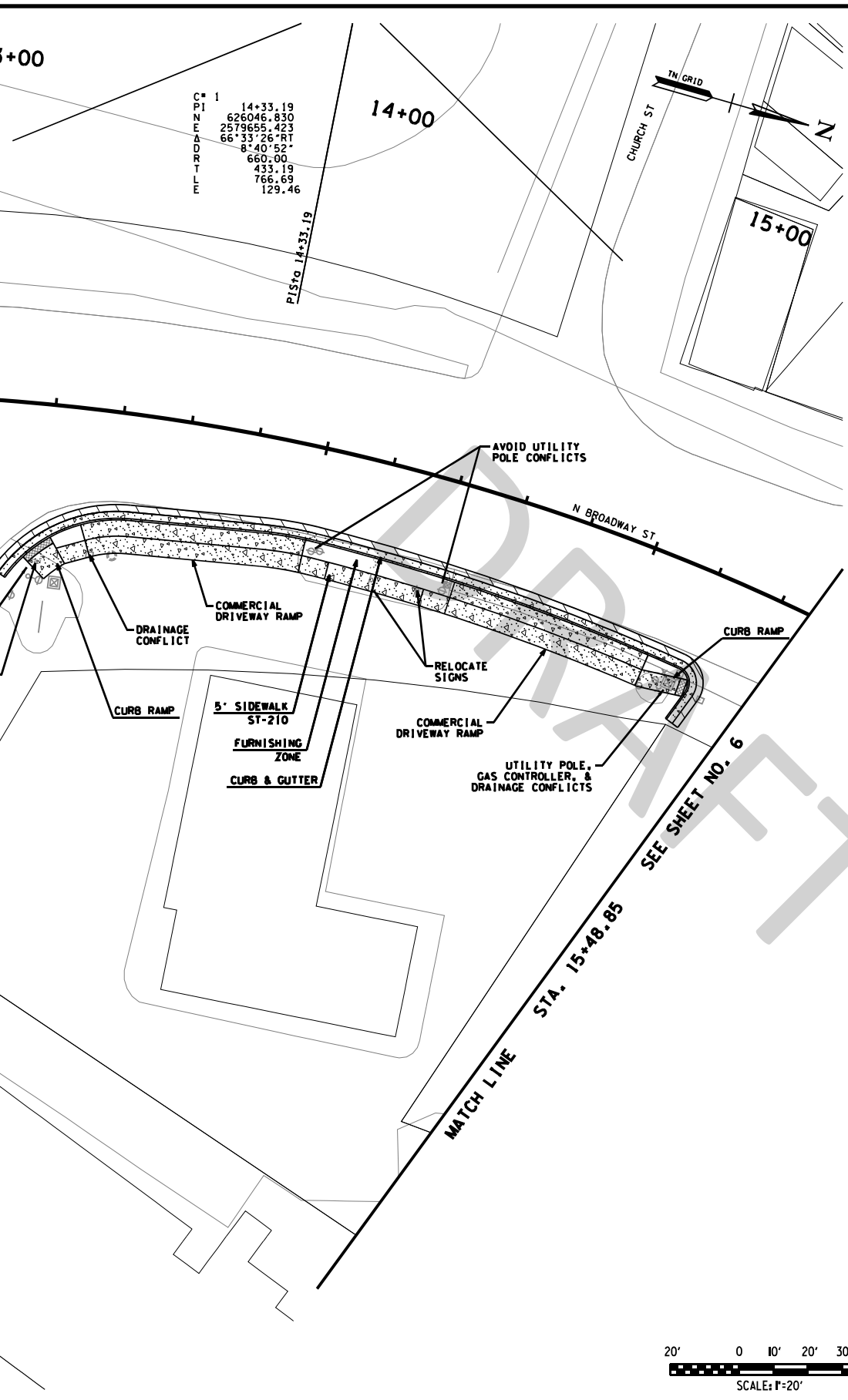

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CITY OF KNOXVILLE

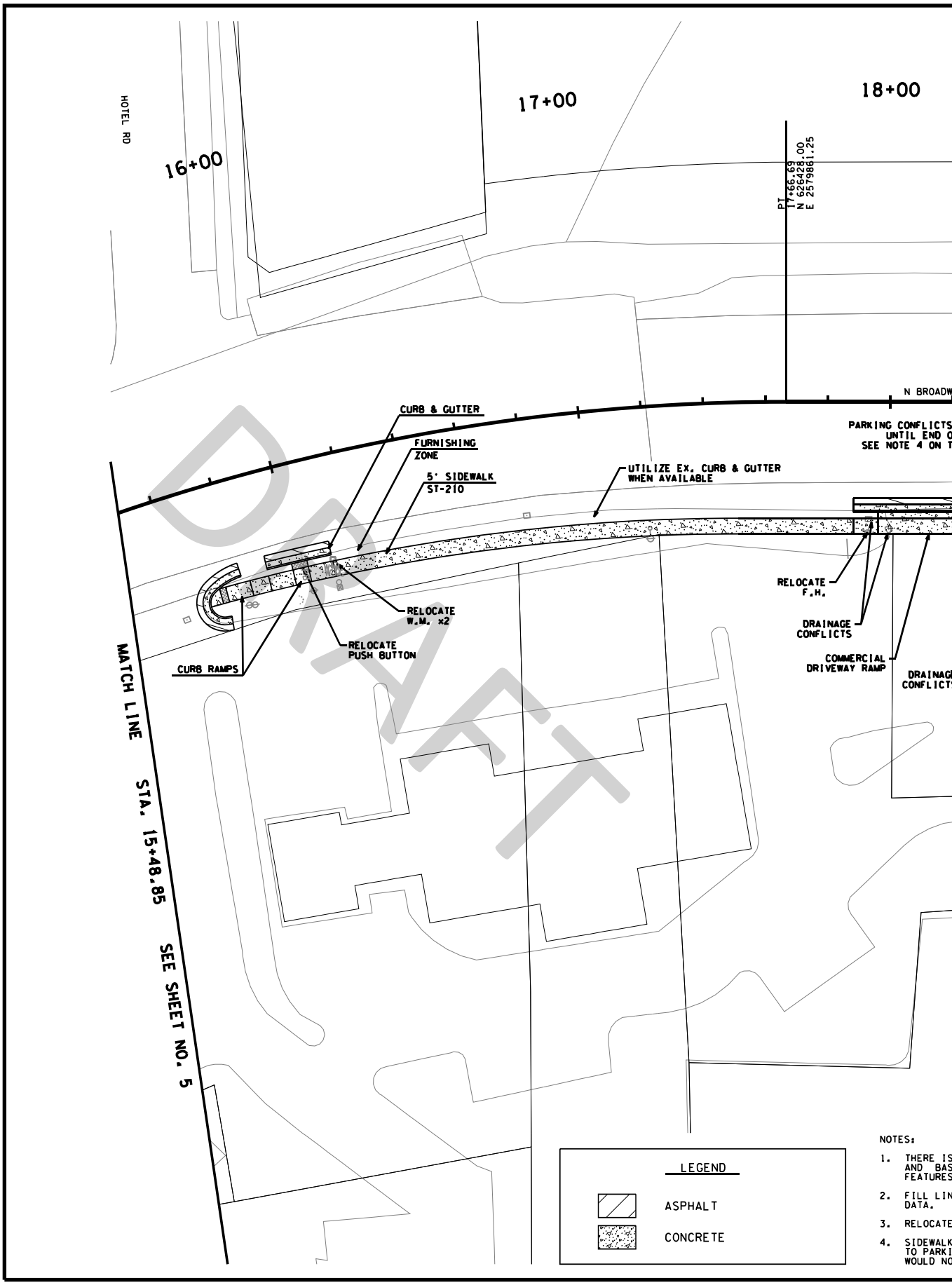
PROJECT NO. 43803.00

N BROADWAY ST SIDEWALK IMPROVEMENTS

PROPOSED OPTION 1

SCALE: 1" = 20'

SHEET 6 OF 8


HOTEL RD
16+00
17+00
18+00
PT
17+66.69
N 626428.00
E 2579861.25
N BROADW
CURB & GUTTER
FURNISHING ZONE
5' SIDEWALK ST-210
UTILIZE Ex. CURB & GUTTER WHEN AVAILABLE
PARKING CONFLICTS UNTIL END O
SEE NOTE 4 ON T
RELOCATE F.H.
DRAINAGE CONFLICTS
COMMERCIAL DRIVEWAY RAMP
DRAINAG
CONFLICT
RELOCATE W.M. x2
RELOCATE PUSH BUTTON
CURB RAMPS
MATCH LINE STA. 15+48.85 SEE SHEET NO. 5
LEGEND
ASPHALT
CONCRETE
NOTES:
1. THERE IS
AND BAS
FEATURES
2. FILL LIN
DATA.
3. RELOCATE
4. SIDEWALK
TO PARKI
WOULD NO
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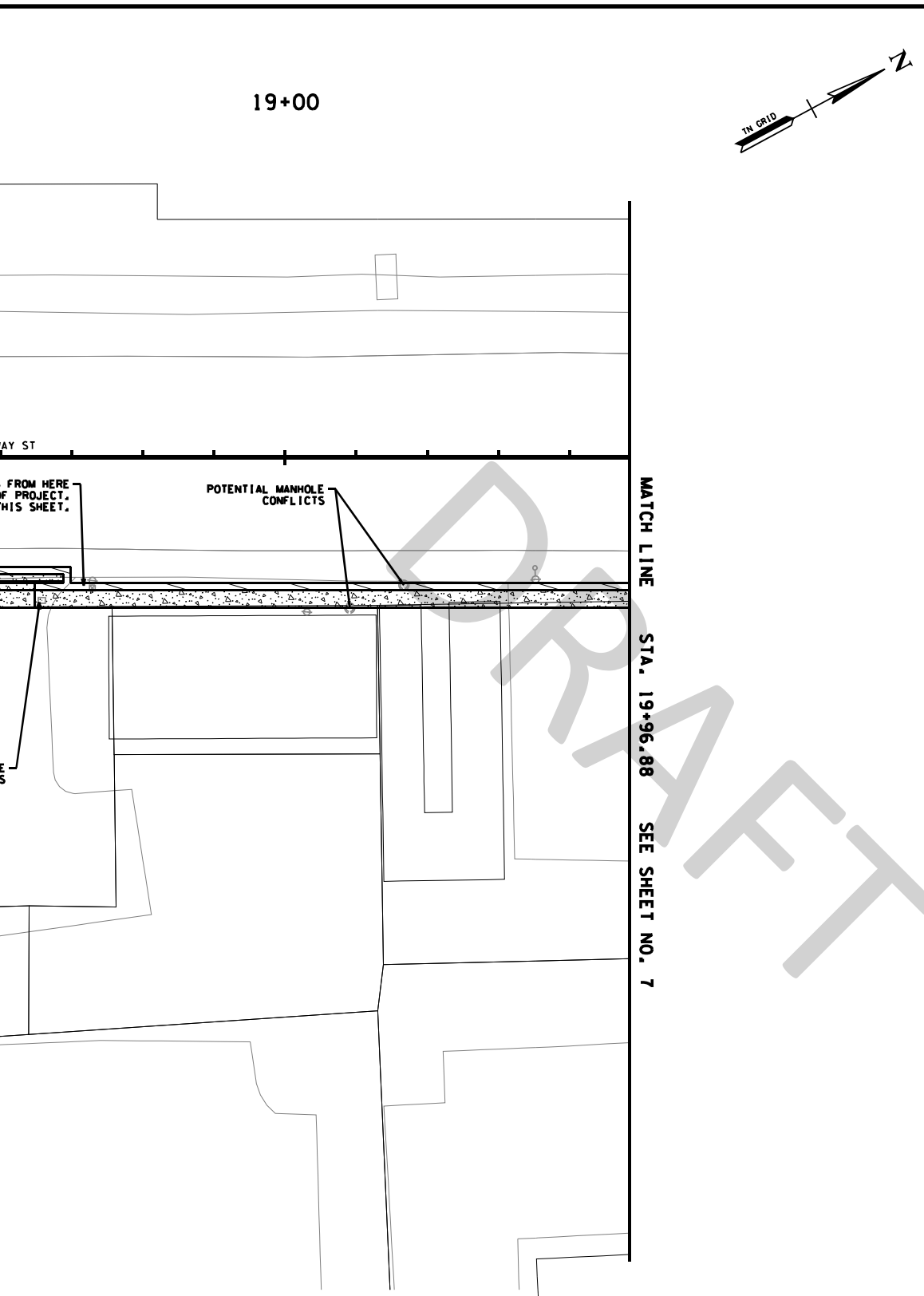

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ES AND DRIVEWAY TIE-INS ARE NOT SHOWN DUE TO THE LACK OF SIGNIFICANT CONTOUR

ALL SIGNS SO THEY REMAIN IN THE FURNISHING ZONE.

LAYOUT MAY NEED TO BE COORDINATED WITH COMMERCIAL SPACES DUE TO THE IMPACT
NG ALONG N BROADWAY ST. IT IS POSSIBLE THAT THE CONSTRUCTION OF SIDEWALK
T LEAVE ROOM FOR PARKING SPACES.

CITY OF KNOXVILLE

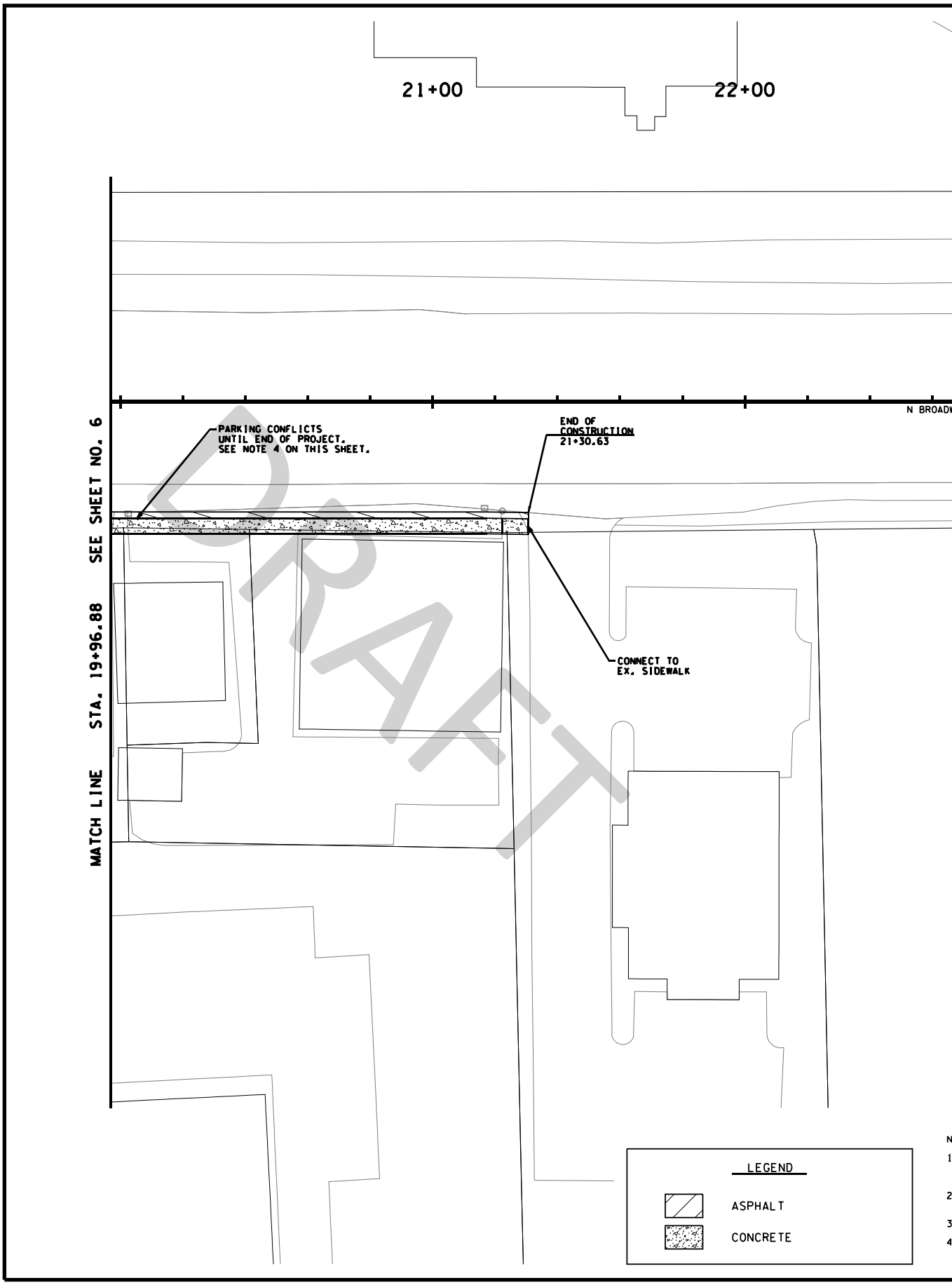
PROJECT NO. 43803.00

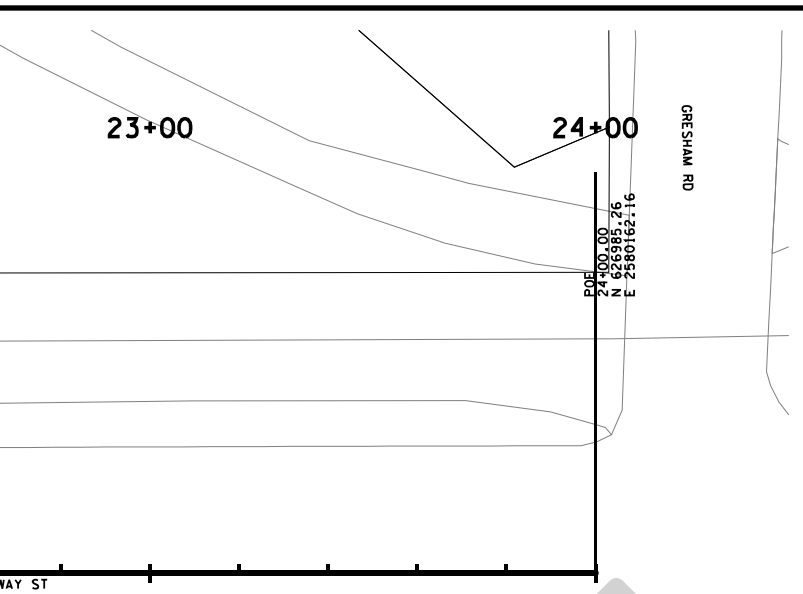
N BROADWAY ST SIDEWALK IMPROVEMENTS

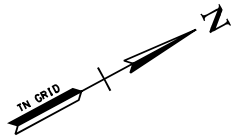
PROPOSED OPTION 1

SCALE: 1" = 20'

SHEET 7 OF 8


21+00
22+00
N BROADW
PARKING CONFLICTS
UNTIL END OF PROJECT.
SEE NOTE 4 ON THIS SHEET.
END OF
CONSTRUCTION
21+30.63
CONNECT TO
EX. SIDEWALK
MATCH LINE STA. 19+96.88 SEE SHEET NO. 6
LEGEND
ASPHALT
CONCRETE
DRAFT





FILE NO.	OPTION1-6.SHT
DATE:	06-10-2020
DESIGNED BY:	JPM
DRAWN BY:	JPM
CHECKED BY:	JDB
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OTES:

. THERE IS NO CURRENT SURVEY FOR THIS PROJECT. LINES AND POINTS SHOWN ARE APPROXIMATE AND BASED ON GIS DATA, AERIAL IMAGERY, AND STREETVIEW. THERE MAY BE EXISTING FEATURES NOT DISPLAYED OR CONFLICTS THAT HAVE NOT BEEN IDENTIFIED.

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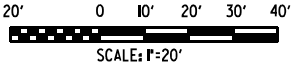

CITY OF KNOXVILLE

PROJECT NO. 43803.00

N BROADWAY ST SIDEWALK IMPROVEMENTS

PROPOSED OPTION 1

SCALE: 1" = 20'

SHEET 8 OF 8

INDEX

SHEET NO.	SHEET NAME
1	TITLE SHEET
2	CONFLICT REVIEW/ COST ESTIMATION
3-8	PROPOSED OPTION 1 - WITH AERIAL
9-14	PROPOSED OPTION 1 - NO AERIAL
15-15B	PROPOSED DRIVEWAY PROFILES

CITY OF

EAST COLUMBIA AV
SIDEWAL
FROM HARVEY S
(PROJECT LENGTH

DRAFT

BEGIN PROJECT STA. 10+35.44

SPECIAL NOTES

PROPOSALS MAY BE REJECTED BY THE CITY TRANSPORTATION ENGINEER IF ANY OF THE UNIT PRICES CONTAINED THEREIN ARE OBVIOUSLY UNBALANCED, EITHER EXCESSIVE OR BELOW THE REASONABLE COST ANALYSIS VALUE.

THIS PROJECT TO BE CONSTRUCTED UNDER THE STANDARD SPECIFICATIONS OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION DATED JANUARY 1, 2015 AND ADDITIONAL SPECIFICATIONS AND SPECIAL PROVISIONS CONTAINED IN THE PLANS AND IN THE PROPOSAL CONTRACT.

ALL CONSTRUCTION ACTIVITIES SHALL BE COMPLETED IN FULL COMPLIANCE WITH THE AMERICANS WITH DISABILITES ACT (ADA) AND ARCHITECTURAL AND TRANSPORTATION BARRIERS COMPLIANCE BOARD, FEDERAL REGISTER 36CFR PART 1191, ACCESSIBILITY GUIDLINES FOR BUILDINGS AND FACILITIES; ARCHITECTURAL BARRIERS ACT (ABA) ACCESSIBILITY GUIDLINES; PROPOSED RULE, PUBLISHED IN THE FEDERAL REGISTER ON SEPTEMBER 15, 2010, AS HAS BEEN ADOPTED BY METRO.

FILE NO.	TITLE.SHT
DATE:	05-28-2020
DESIGNED BY:	CJL
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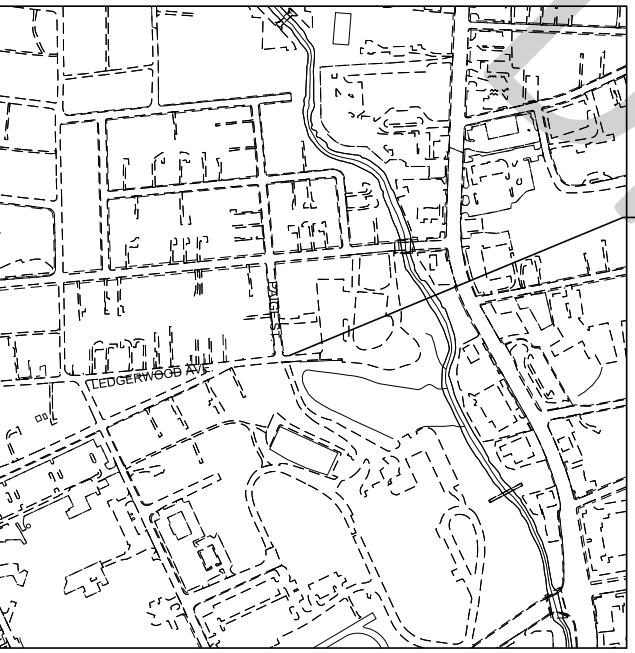
KNOXVILLE

VENUE/ LEDGERWOOD AVE.
K IMPROVEMENTS
STREET TO PAIGE STREET
H APPROXIMATELY 2780 FT)

PROJECT NO. 43803.00
PRELIMINARY DESIGN



END PROJECT STA. 38+46.89

DRAFT

CIVIL ENGINEER-
Gresham Smith
2095 LAKESIDE CENTRE WAY, SUITE 120
KNOXVILLE, TENNESSEE, 37922
(865)521-6777 TELEPHONE
CONTACT: SHAP STILES, P.E.

SHEET 1 OF 15B

PRELIMINARY DESIGN REVIE

PROJECT NAME: East Columbia Avenue from Harvey st. to Paige st.
PROJECT NO: xxx-xxx
DATE: June 3, 2020

OPTIONS	Existing Pavement Width (EOP to EOP)	Proposed Side of Road	Proposed Pavement Width (EOP to EOP)	Proposed Curb and Gutter/ Post Curb	Proposed Sidewalk Width	Proposed Grass Strip Width	Proposed Bicycle Zone	Power Pole Conflicts	Sanitary Sewer Conflicts	Water Valve Hyd Con
Option 1	22'-35'	North	22'-36'	Post Curb	5'	2'	0'	8	1	

Sidewalk Length = 2780'

Option 1 (Planning Option)

- Follows Planning option: 5' sidewalk, 2' Furnishing Zone, Post Curb. North side of the road
- The fill behind the sidewalk pushes back to take up most of the residental yards
- Requires 1 ROW takes
- Relocate 5 mailboxes
- Reset existing fence on 6 tracts
- Relocate 3 signs
- Existing gas line runs under entire project area
- Relocate 2 light poles, and 5 utility poles
- Trees to be removed 8 tracts

Local Roads Sidewalk Estimate ($/lf)	Percent/Length	Cost/lf
Sidewalks - Local Roadways	100%	$459.75
Drainage	80%	$225
Contingency 15%	15%	
Engineering/CEI 25%	25%	
RoW - Residential Roadways 10%	10%	$1
Easement - Local Roads	70%	$14
Damages - Local Roads	25%	$3
Appraisal/closing	100%	$13
Project length		**2780**
Estimated Cost:		**$2,823,000**
Cost/lf:		**$1,015**
Sidewalks - Local Roadways		$1,278,113.43
Drainage		$625,500
Sub-Total Construction Costs:		**$1,904,000**
Contingency 15%		**$286,000**
Total Construction Costs:		**$2,190,000**
Engineering/CEI 25%		**$548,000**
RoW - Residential Roadways 10%		$2,780
Easement - Local Roads		$38,920
Damages - Local Roads		$6,950
Appraisal/closing		$36,140
RoW & Easement Acquisition/Damages/Appraisals		**$85,000**

Sidewalk Cost E

ITEM	
105-01.01	Constructio
203-01	Road and
203-07	Furnishing
303-01	Min. Agg.
307-01.01	Asphalt Co
307-01.08	Asph. Con
402-01	Bit. Mat'l. f
402-02	Agg. for C
403-01	Bit. Mat'l fo
407-02.13	Remove &
407-20.05	Saw Cut A
411-01.02	Asphalt Co
502-04.01	Saw Cut C
604-01.01	Class "A"
604-01.02	Steel Bar R
701-01.01	Concrete S
701-02	Conc. Drive
701-02.01	Concrete C
702-01	Conc. Post
712-04.01	Flexible Dr
712-05.01	Warning Li
712-06	Signs (Con
712-07.03	Temporary
712-08.06	Uniformed
716-02.09	Plastic Pav
716-02.05	Plastic Pav
716-12.01	Enhanced
740-11.02	Temporary
801-01	Seeding (w
802-08.04	Tree Remo
PW-DW-001	Detectable
SP-7	Permits
SP-10	Furnish and
WS-2	Adj. of Wa

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W OPTIONS

Meter, e, and drant flicts	Gas Conflicts	Drainage Conflicts	Sign Conflicts	Mailbox Conflicts	Tree and Bush Conflicts	*ROW Req'd.	*Temp. Const. Esmt. Req'd.	Drainage Design Req'd.
3	1	2	3	5	20	yes (1)	yes	no

*No. of Properties (x)

stimate Local Roadways

DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	COST ESTIMATED
on stakes, lines, grades	111	HR	$140.00	$15,568.00
Drainage Exc (uncl)	1,030	CY	$50.00	$51,481.48
& Spreading Topsoil	2,162	SY	$9.00	$19,460.00
Type A Base, Gr. D	734	TN	$40.00	$29,378.77
ncrete Mix (PG64-22) (BPMB-HM) Grad	142	TON	$110.00	$15,629.78
c. Mix (PG64-22) B-M2	70	TN	$350.00	$24,433.11
or Prime Coat (PC)	0.9	TN	$600.00	$561.62
over Mat'l.	3.7	TN	$20.00	$74.13
r Tack Coat (TC)	0.1	TN	$2,500.00	$334.30
Dispose Exist. Asp. .	129	CY	$20.00	$2,574.07
sphalt Pavement	2,780	LF	$4.00	$11,120.00
ncrete Mix Grading "D"	49	TN	$400.00	$19,645.33
onc. (0-8")	300	LF	$15.00	$4,500.00
Concrete	1	CY	$720.00	$1,027.20
Reinforcement (Rdwy)	357	LB	$2.00	$713.33
Sidewalk (4")	10,720	SF	$8.00	$85,760.00
eway (6")	11,507	SF	$11.00	$126,574.80
Curb Ramp-6"	1,248	SF	$33.00	$41,184.00
Curb (ST-201)	2,780	LF	$176.05	$489,419.00
ums (Channelizing)	93	EA	$30.00	$2,780.00
ght (Type "A")	93	EA	$30.00	$2,780.00
struction)	672	SF	$15.00	$10,080.00
Barricades, Type III	144	LF	$17.00	$2,448.00
Policeman	1,779	HR	$40.00	$71,168.00
vement Marking (Cross-Walk)	576	LF	$55.00	$31,680.00
vement Marking (Stop Line)	288	LF	$30.00	$8,640.00
Flat Thermoplastic 4" Pavement Marking	1	LM	$6,000.00	$3,159.09
Sediment Tube 12In (Description)	2,780	LF	$4.00	$11,120.00
ith mulch)	2,162	SY	$10.00	$21,622.22
val	288	IN	$50.00	$14,400.00
Warnings (Specification 02523) (ST-32	240	SF	$30.00	$7,200.00
	112	DAY	$250.00	$28,000.00
d Install Project Signs	2	EA	$750.00	$1,500.00
ter Meters (0-2')	12	EA	$500.00	$6,000.00
			Subtotal	**$1,278,113.43**
	Estimated Cost			**$1,278,113.4**
	Estimated Cost per Linear Foot			**$459.75**

20' 0 10' 20' 30' 40'

SCALE: 1"=20'

CITY OF KNOXVILLE

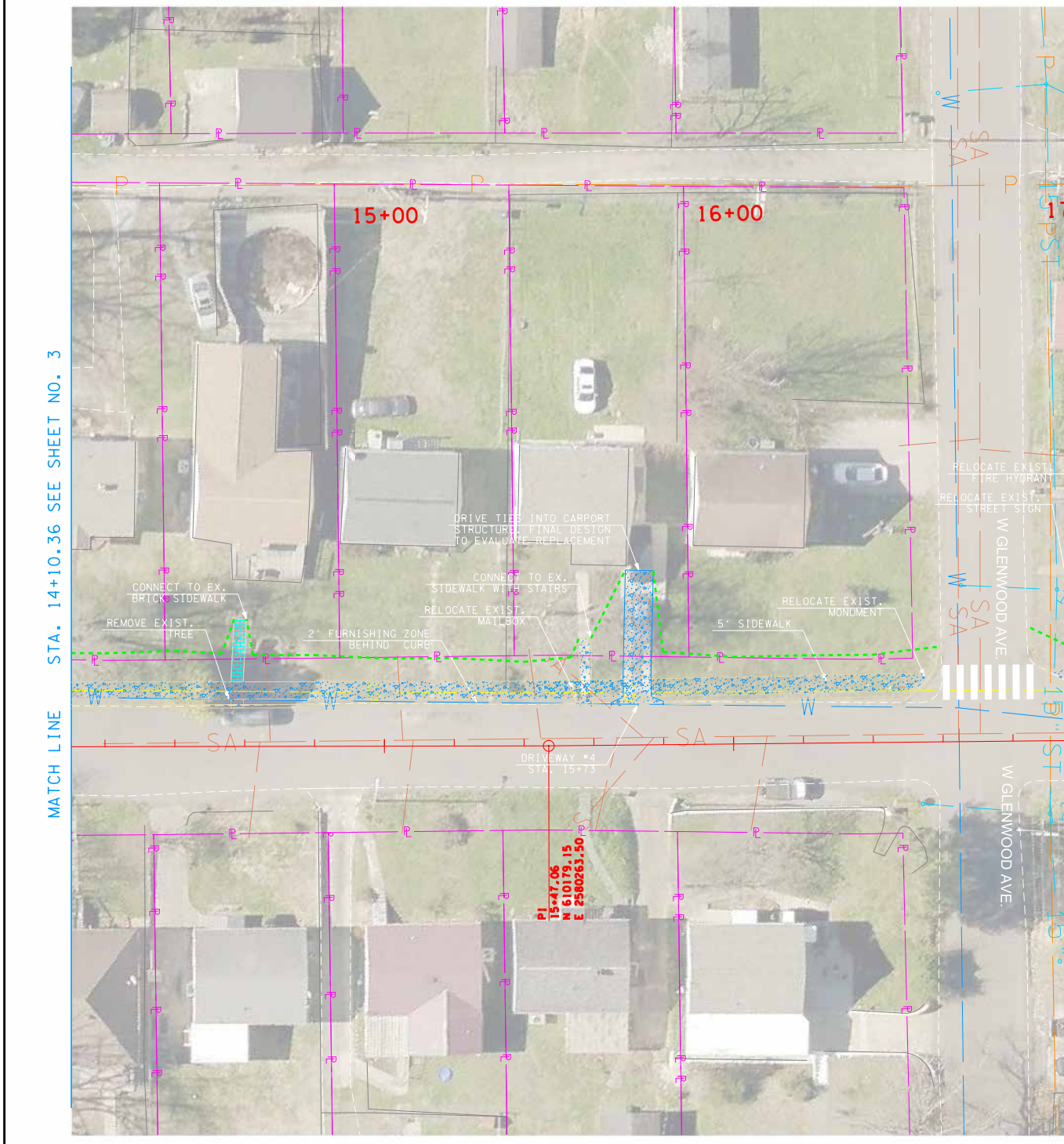
PROJECT NO. 43803.00

EAST COLUMBIA AVE. SIDEWALK IMPROVEMENTS

CONFLICT REVIEW/ COST ESTIMATION

SCALE: N.T.S.

SHEET 2 OF 15B



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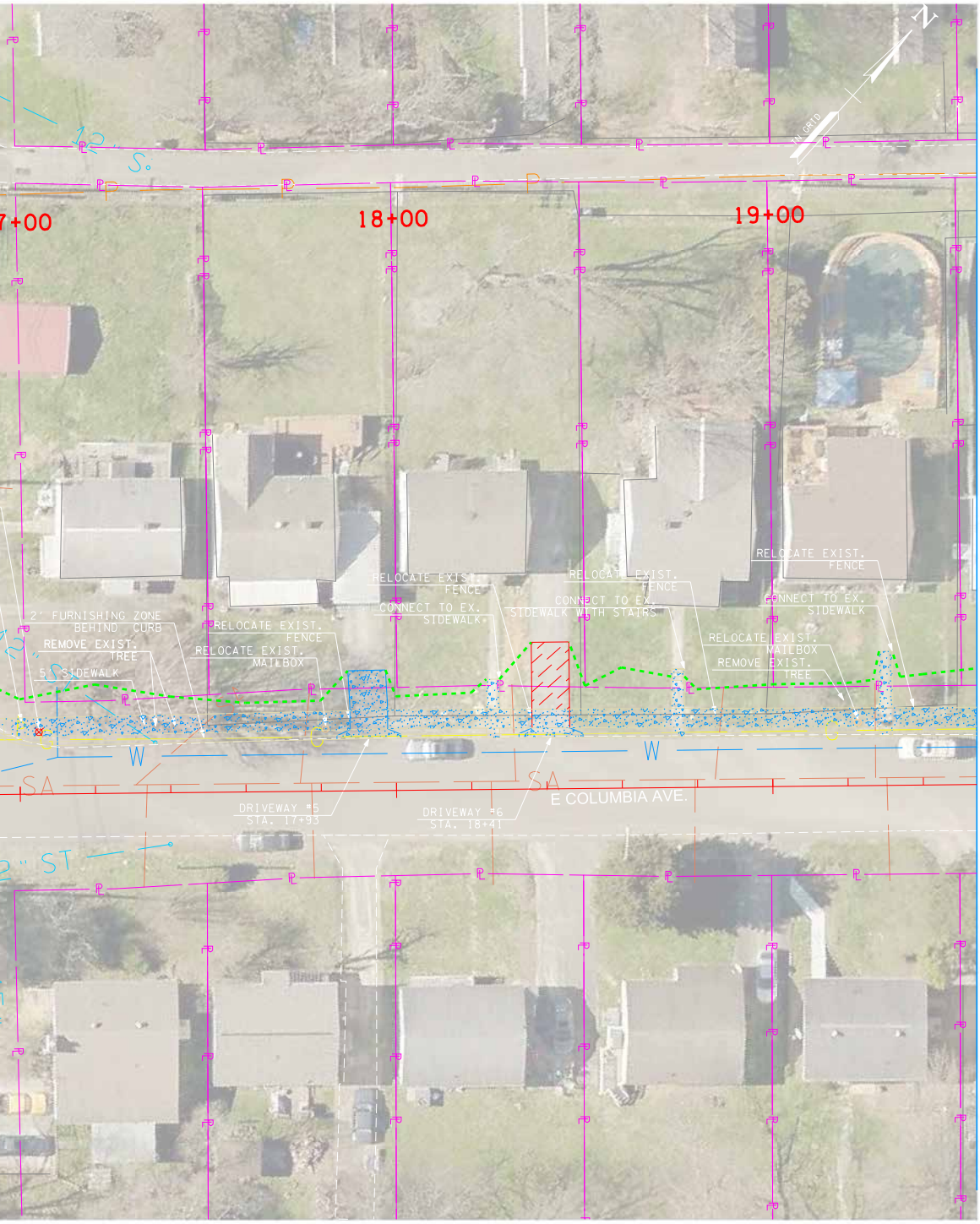
LEGEND
- CONCRETE
- GRAVEL
- ASPHALT
- FILL
- CUT



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CITY OF KNOXVILLE

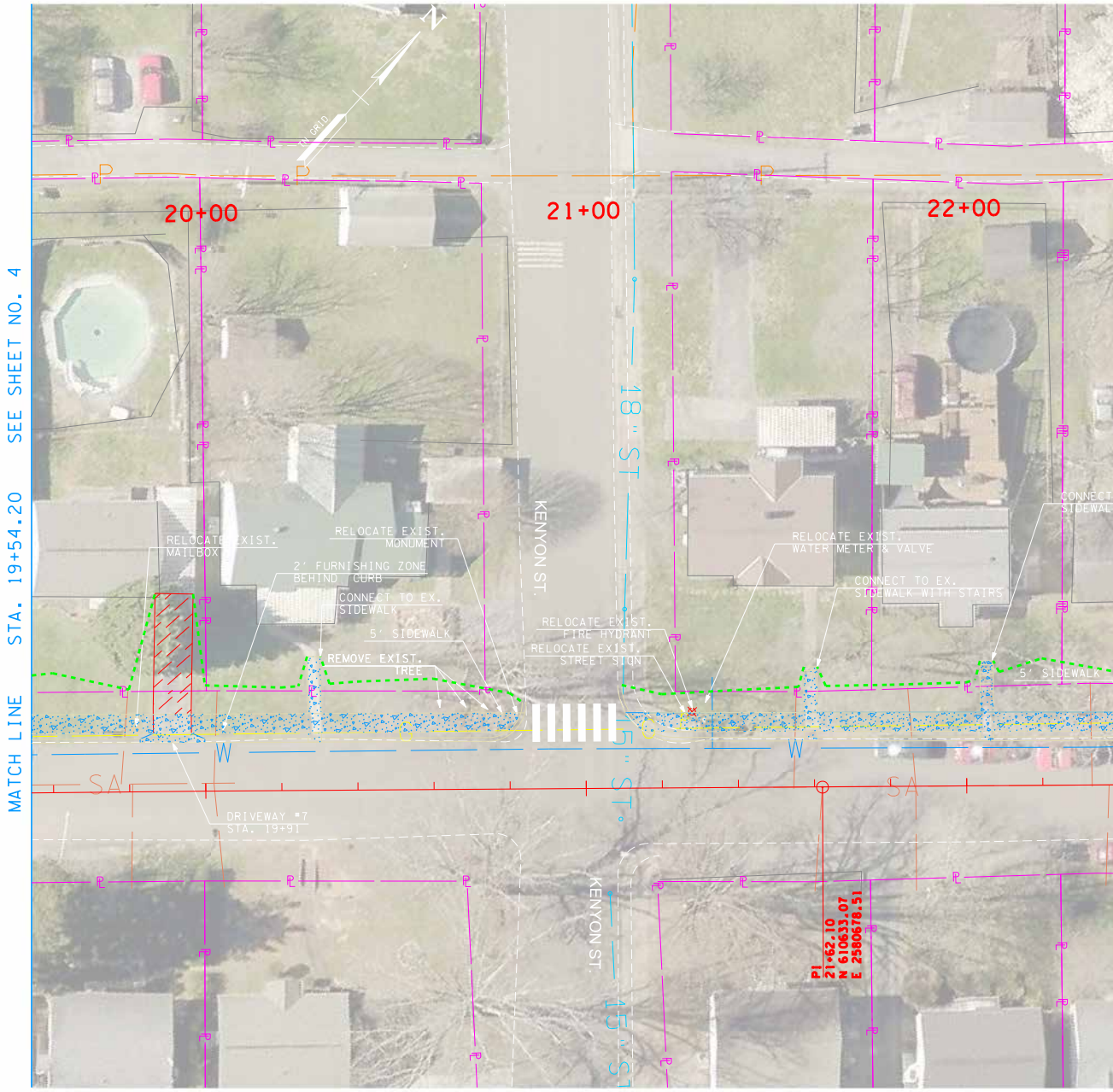
PROJECT NO. 43803.00

EAST COLUMBIA AVE. SIDEWALK IMPROVEMENTS

PROPOSED OPTION 1 WITH AERIAL

SCALE: 1" = 20'

SHEET 4 OF 15B



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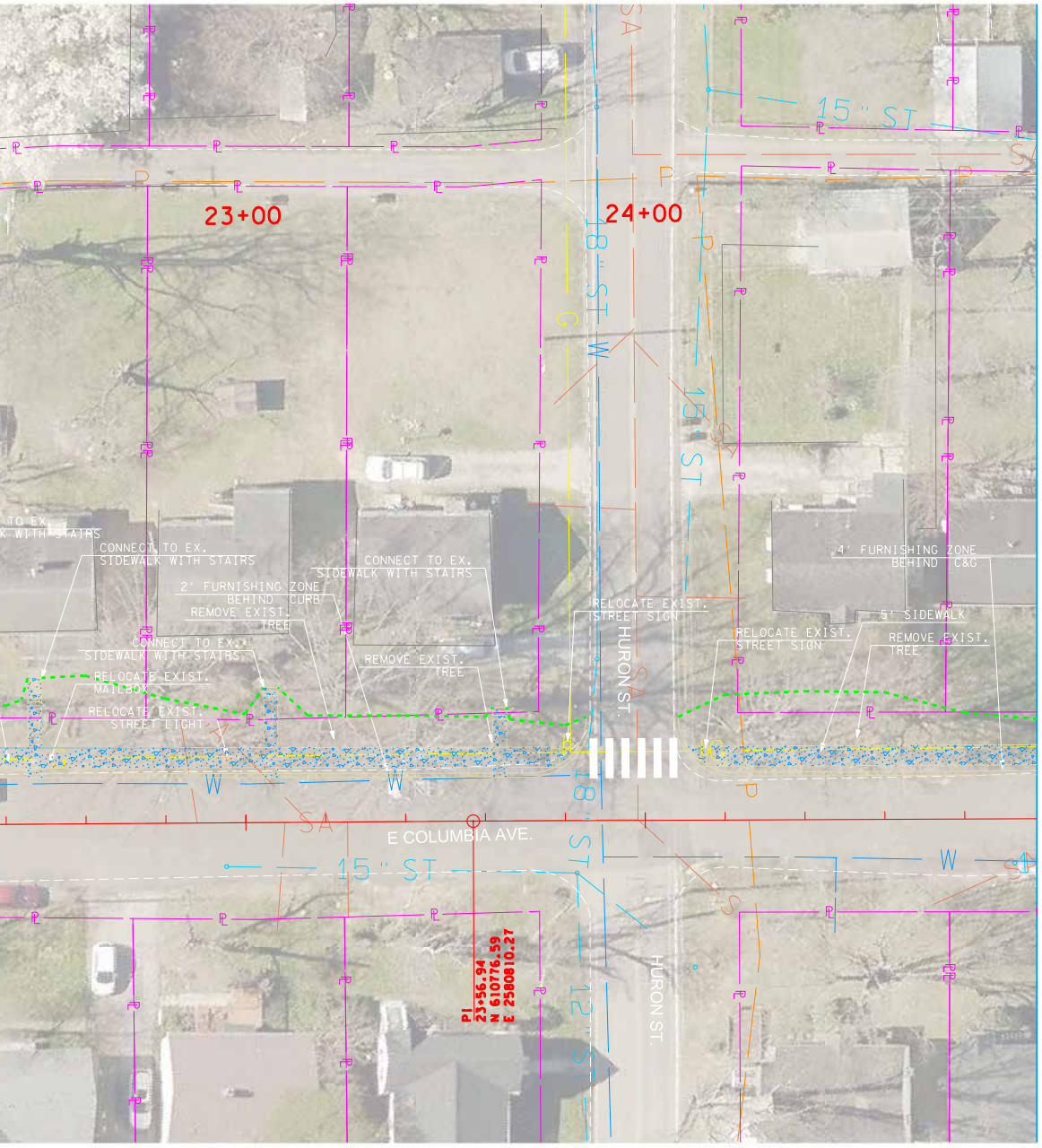

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20' 0 10' 20' 30' 40'
SCALE: 1"=20'

CITY OF KNOXVILLE

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EAST COLUMBIA AVE. SIDEWALK IMPROVEMENTS

PROPOSED OPTION 1 WITH AERIAL

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SHEET 5 OF 15B

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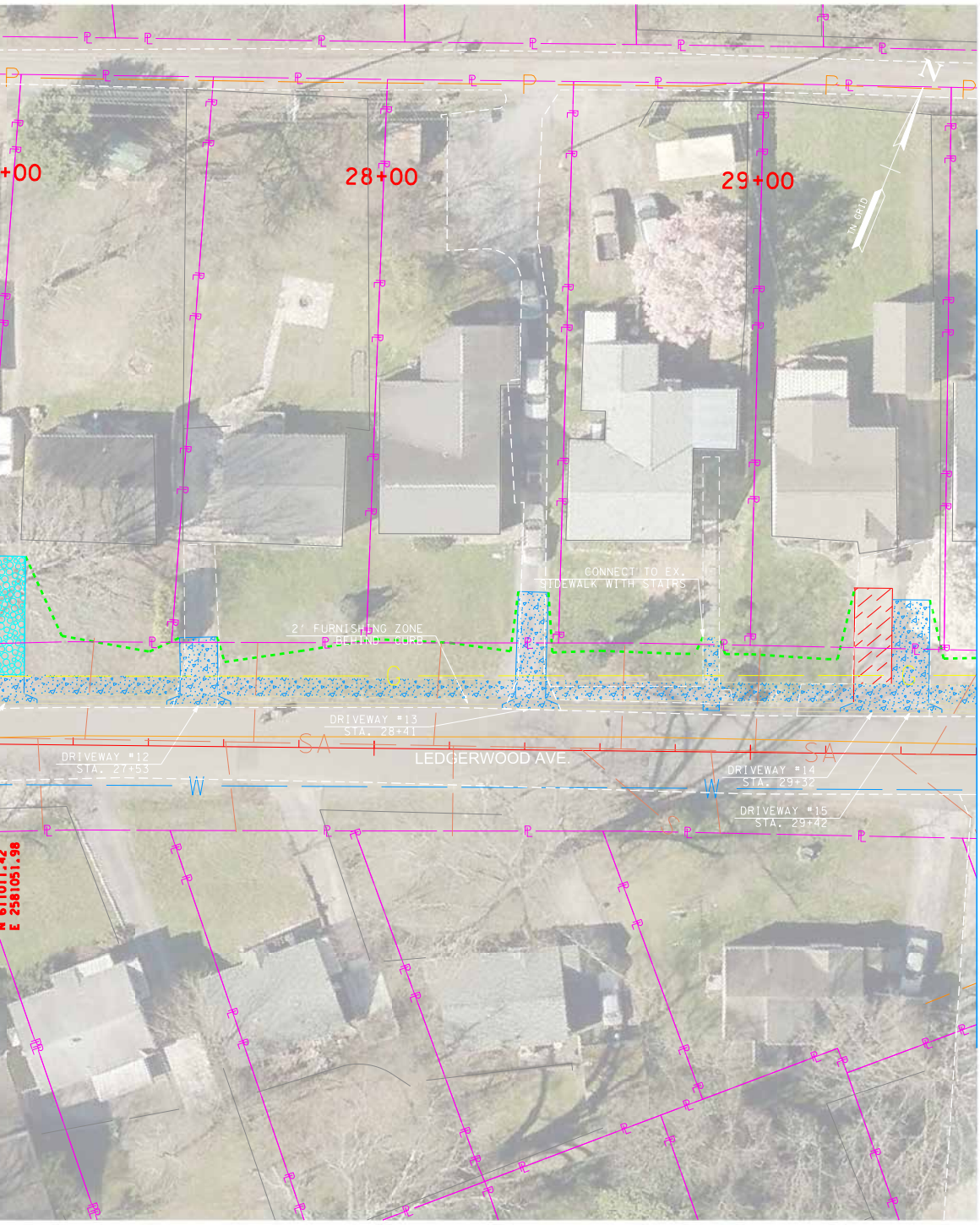

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CITY OF KNOXVILLE

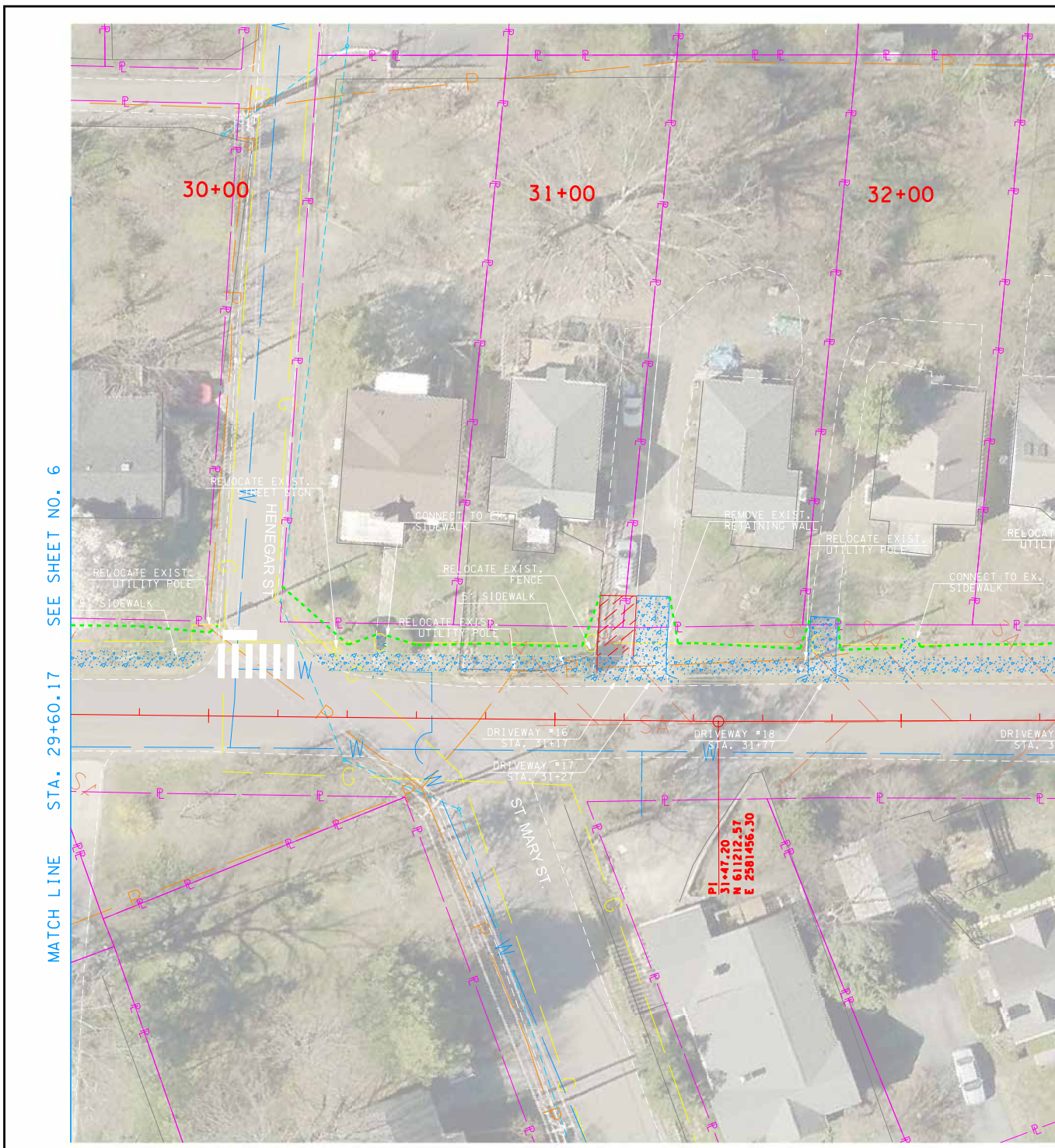
PROJECT NO. 43803.00

EAST COLUMBIA AVE. SIDEWALK IMPROVEMENTS

PROPOSED OPTION 1 WITH AERIAL

SCALE: 1" = 20'

SHEET 6 OF 15B



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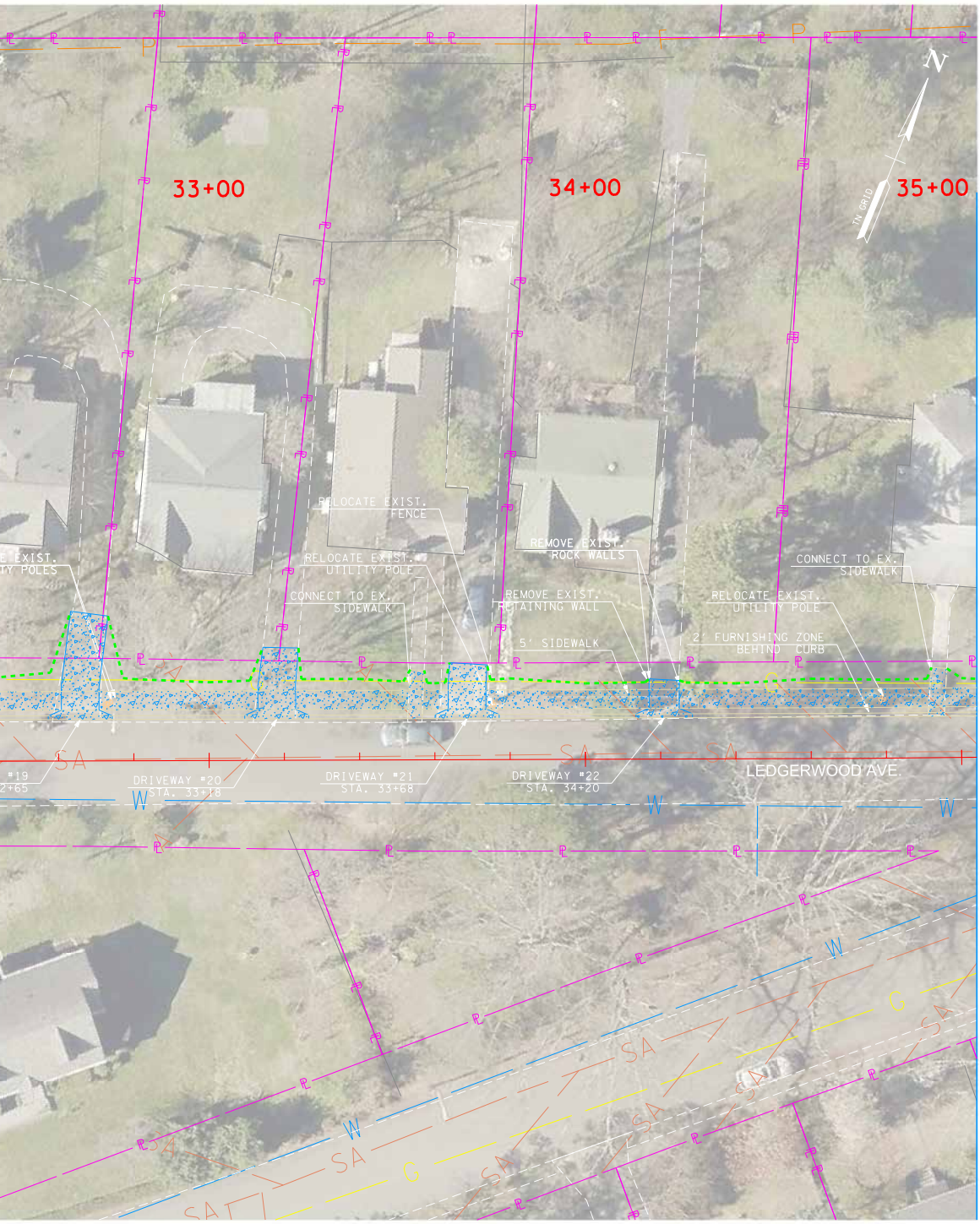

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SCALE: 1"=20′

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CITY OF KNOXVILLE

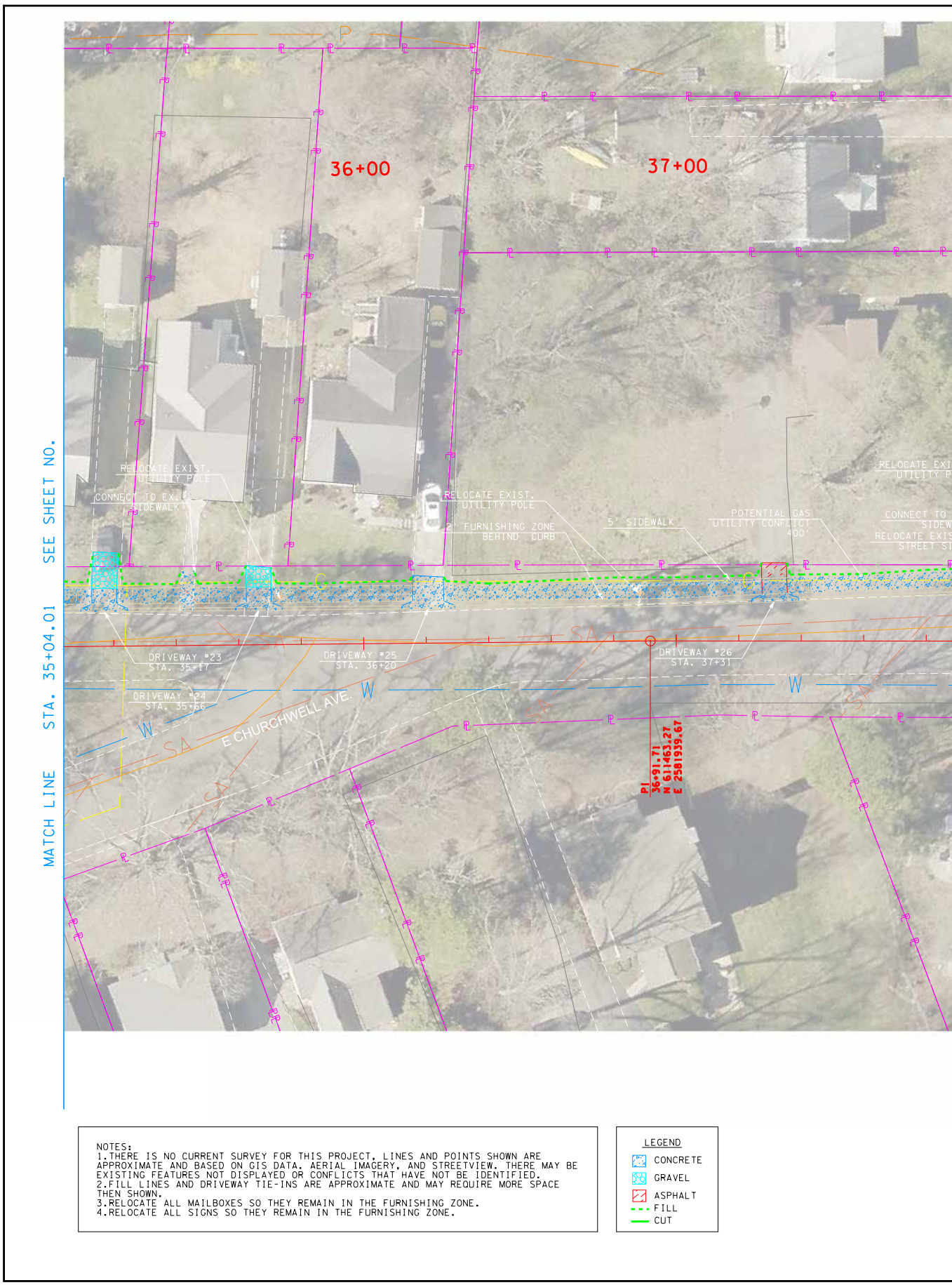
PROJECT NO. 43803.00

EAST COLUMBIA AVE. SIDEWALK IMPROVEMENTS

PROPOSED OPTION 1 WITH AERIAL

SCALE: 1" = 20′

SHEET 7 OF 15B



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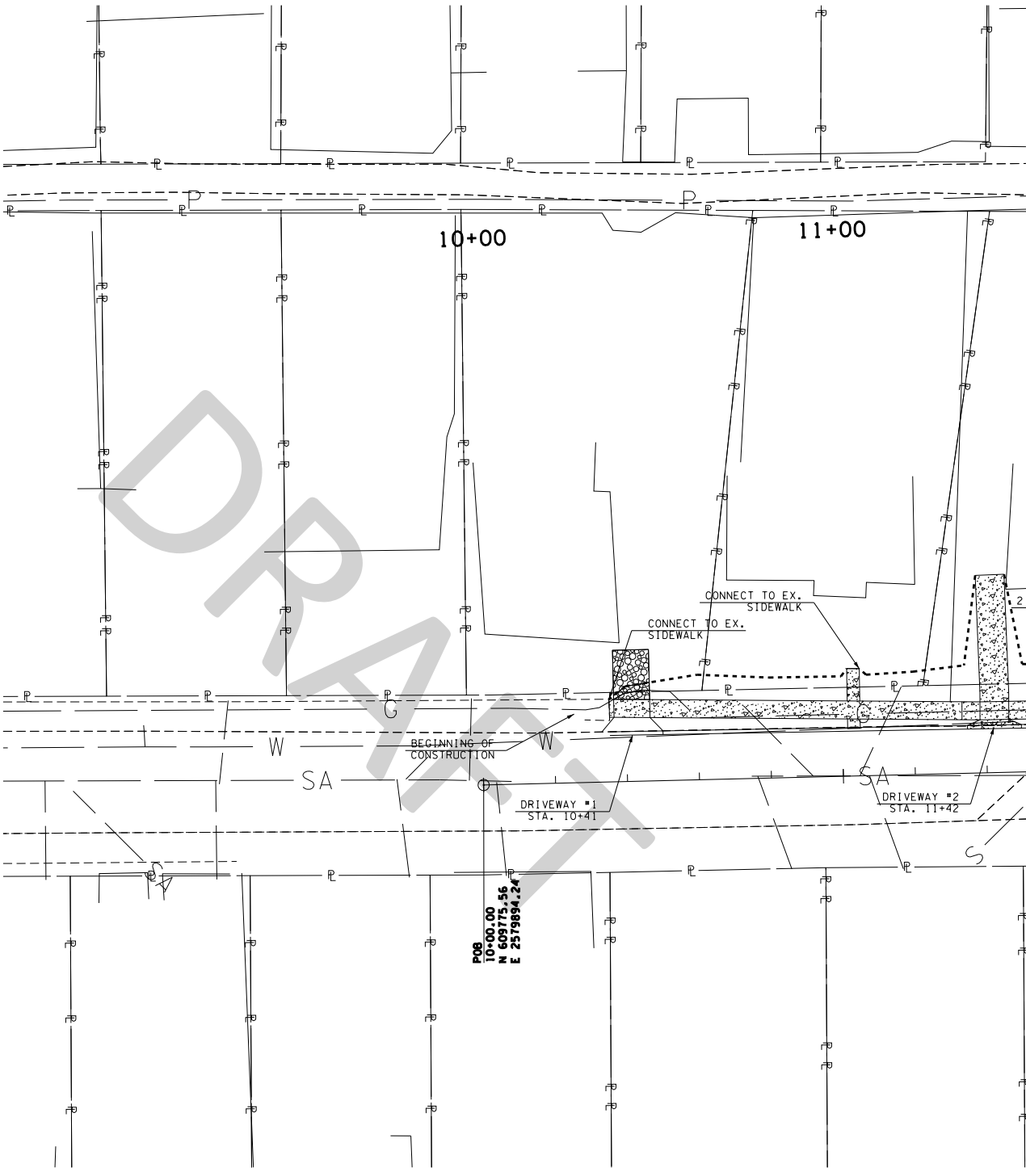
PROJECT NO. 43803.00

EAST COLUMBIA AVE. SIDEWALK IMPROVEMENTS

PROPOSED OPTION 1 WITH AERIAL

SCALE: 1" = 20'

SHEET 8 OF 15B



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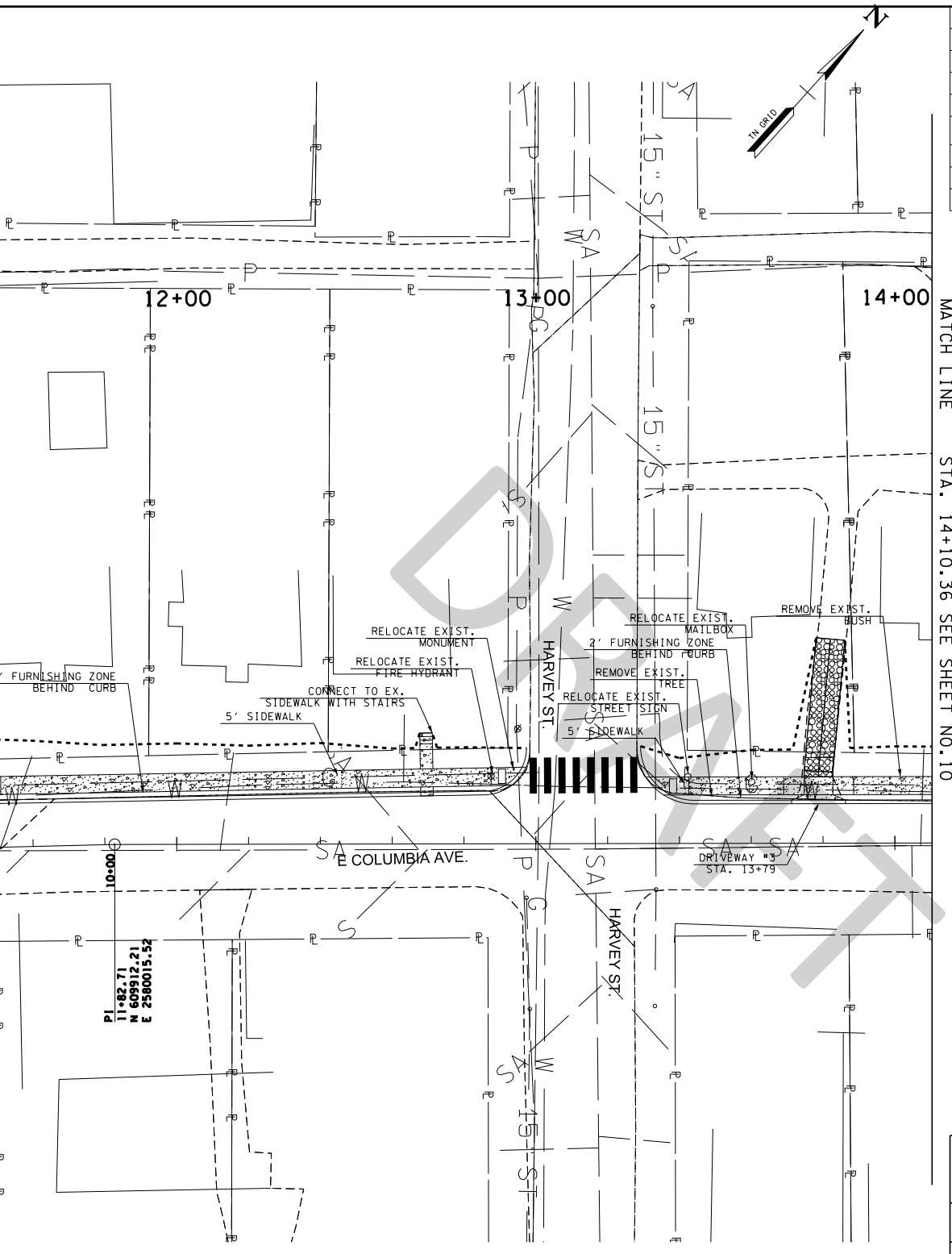

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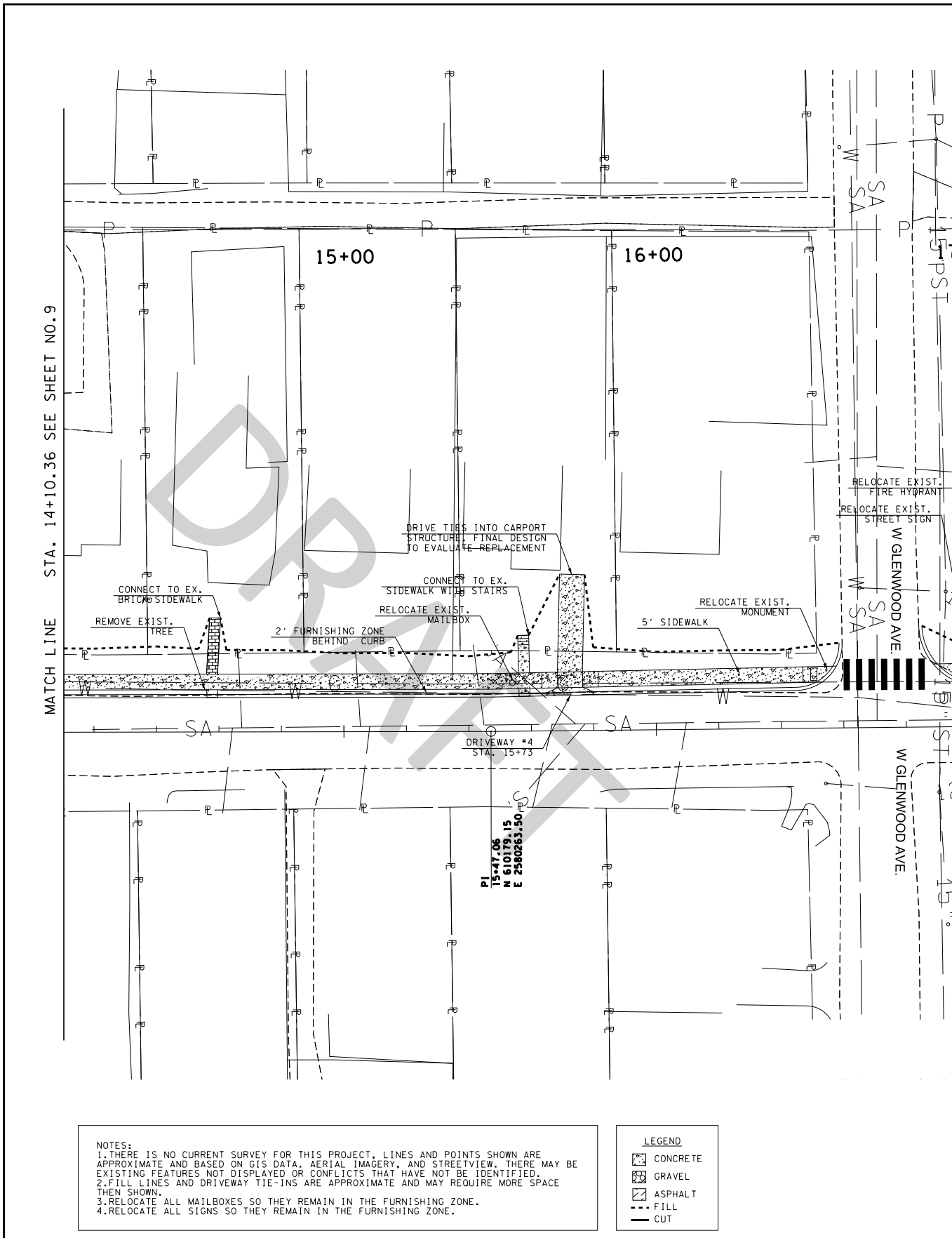
EAST COLUMBIA AVE. SIDEWALK IMPROVEMENTS

PROPOSED OPTION 1
WITH NO AERIAL

SCALE: 1" = 20'

SHEET 9 OF 15B



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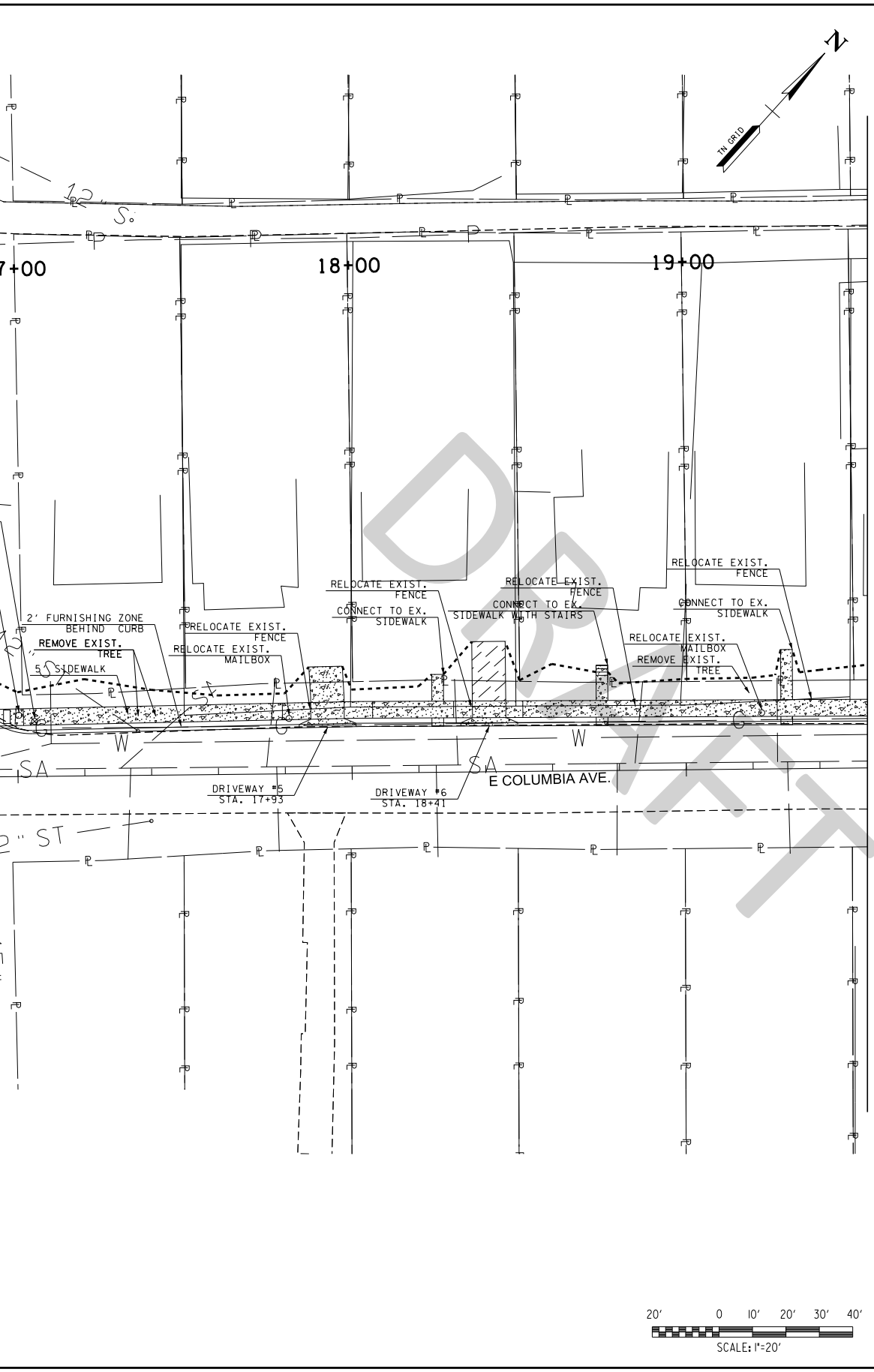
- FILL
- CUT



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FILE NO.	
DATE:	05-28-2020
DESIGNED BY:	CJL
DRAWN BY:	CJL
CHECKED BY:	JSS
REVISION BLOCK	
DATE:	
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DATE:	

CITY OF KNOXVILLE

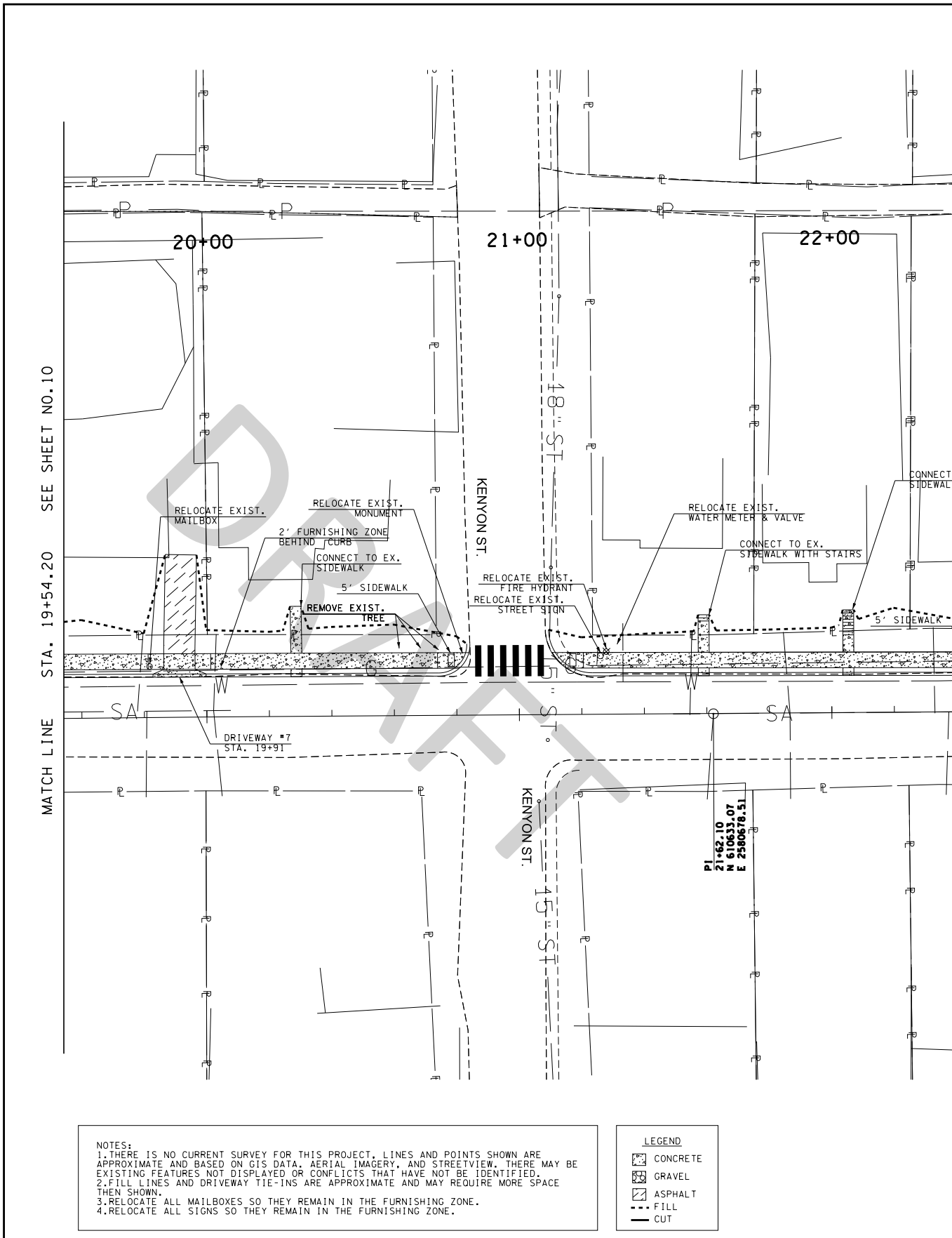
PROJECT NO. 43803.00

EAST COLUMBIA AVE. SIDEWALK IMPROVEMENTS

PROPOSED OPTION 1 WITH NO AERIAL

SCALE: 1" = 20'

SHEET 10 OF 15B



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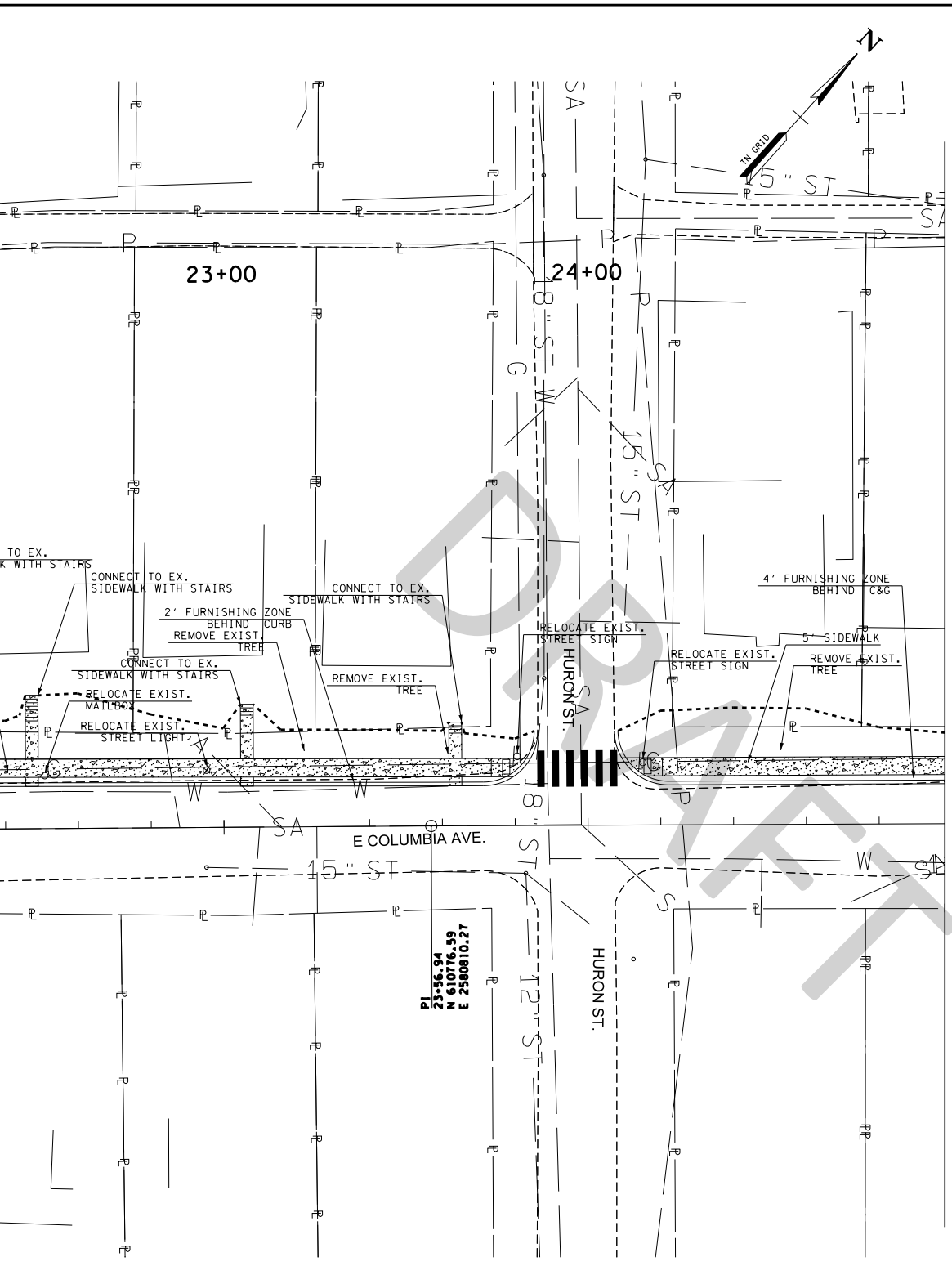
3.RELOCATE ALL MAILBOXES SO THEY REMAIN IN THE FURNISHING ZONE.
4.RELOCATE ALL SIGNS SO THEY REMAIN IN THE FURNISHING ZONE.

LEGEND
- CONCRETE
- GRAVEL
- ASPHALT
- FILL
- CUT



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CITY OF KNOXVILLE

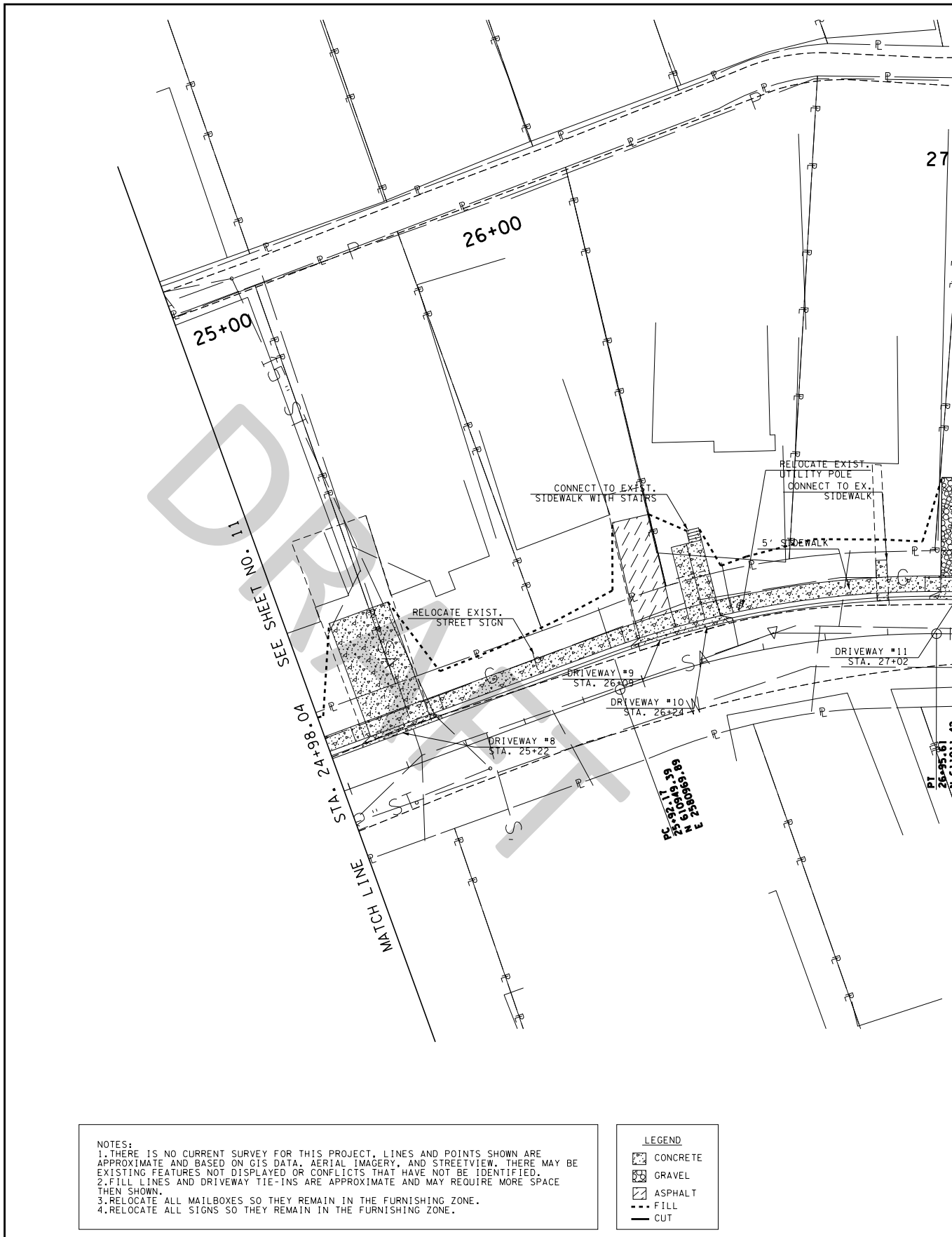
PROJECT NO. 43803.00

EAST COLUMBIA AVE. SIDEWALK IMPROVEMENTS

PROPOSED OPTION 1 WITH NO AERIAL

SCALE: 1" = 20'

SHEET 11 OF 15B



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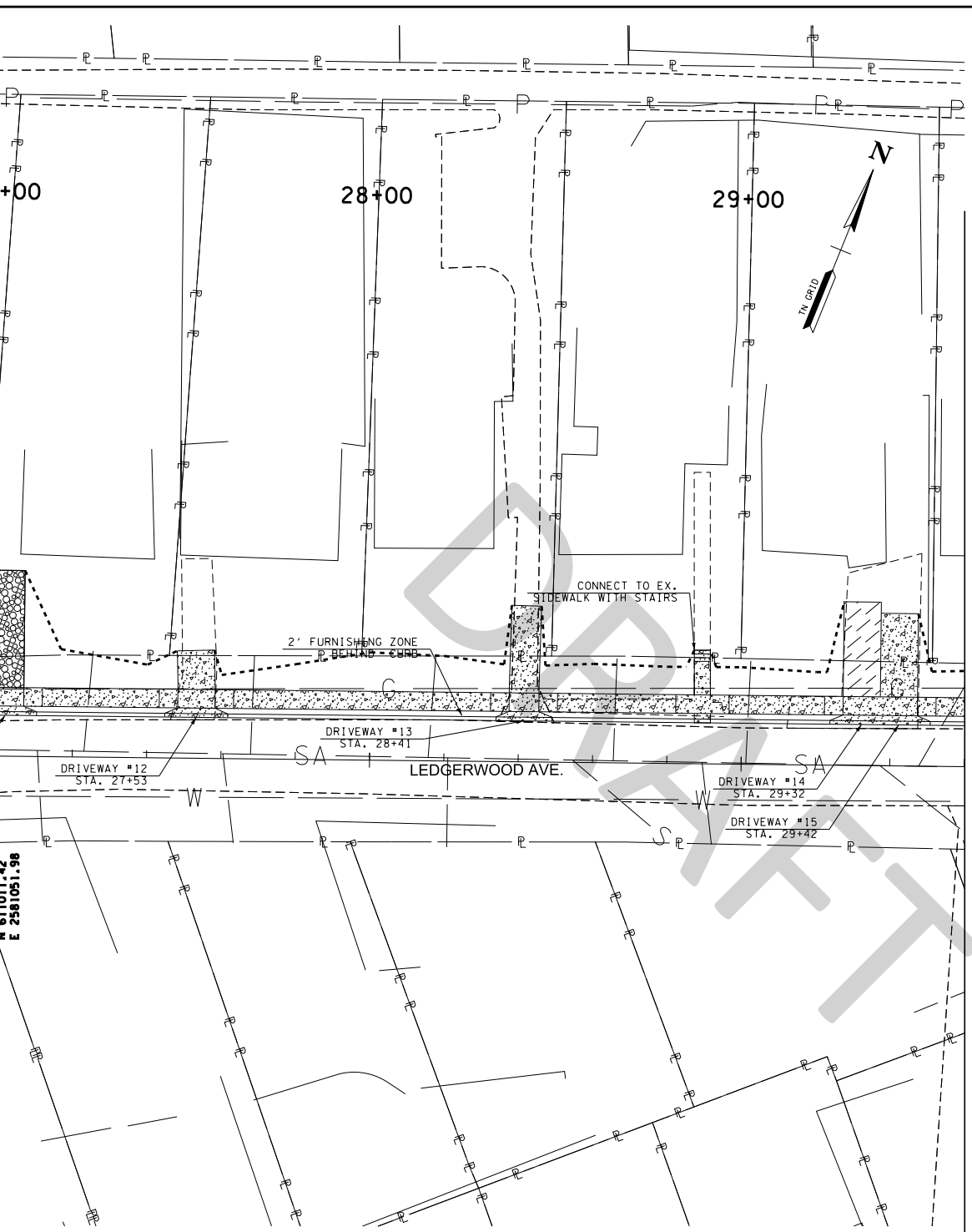
LEGEND
- CONCRETE
- GRAVEL
- ASPHALT
- FILL
- CUT



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CITY OF KNOXVILLE

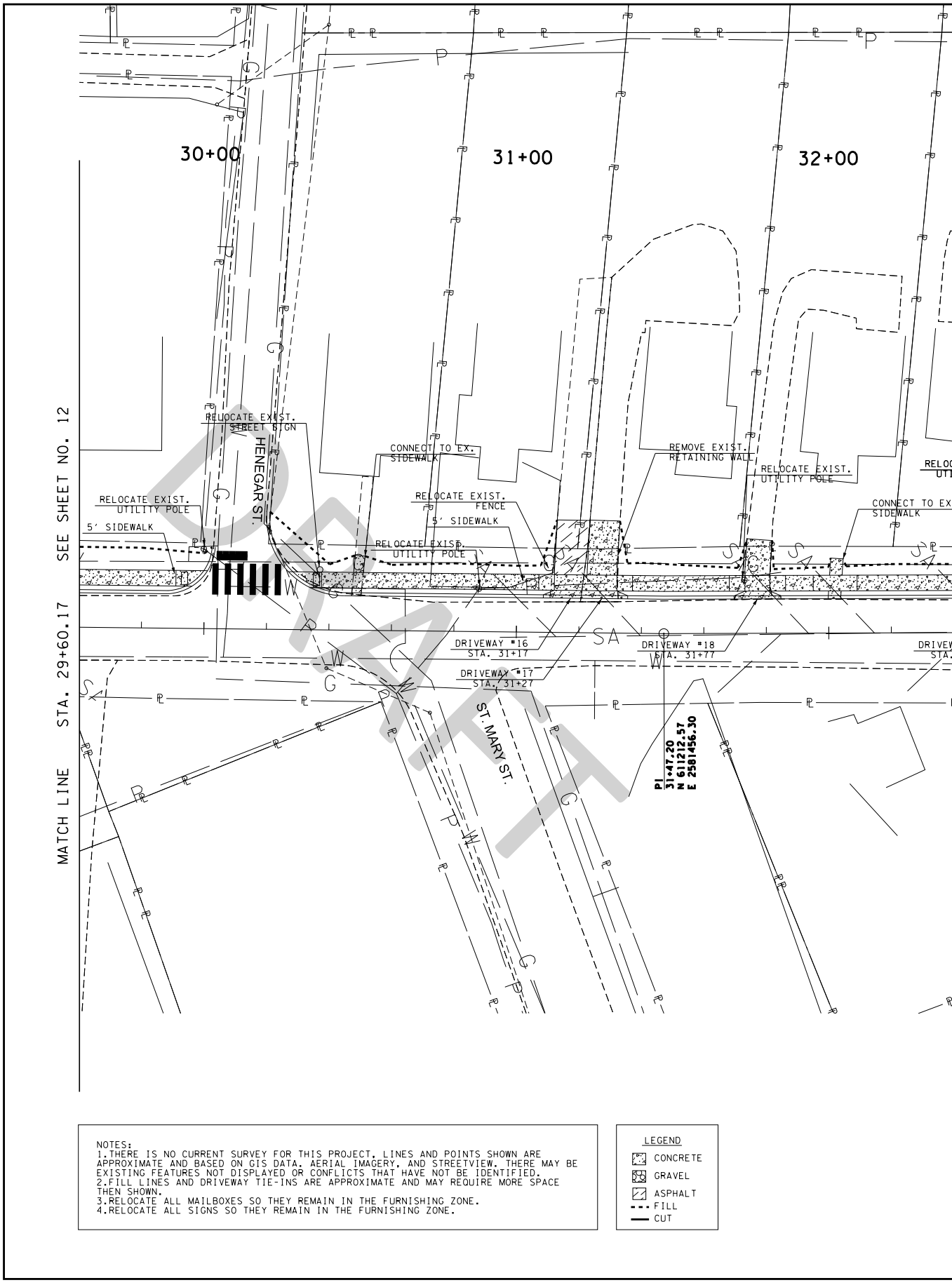
PROJECT NO. 43803.00

EAST COLUMBIA AVE. SIDEWALK IMPROVEMENTS

PROPOSED OPTION 1 WITH NO AERIAL

SCALE: 1" = 20'

SHEET 12 OF 15B


30+00
31+00
32+00
MATCH LINE STA. 29+60.17 SEE SHEET NO. 12
HENEGAR ST.
ST. MARY ST.
RELOCATE EXIST. STREET SIGN
RELOCATE EXIST. UTILITY POLE
5' SIDEWALK
CONNECT TO EX. SIDEWALK
RELOCATE EXIST. FENCE
REMOVE EXIST. RETAINING WALL
DRIVEWAY #16 STA. 31+17
DRIVEWAY #17 STA. 31+27
DRIVEWAY #18 STA. 31+77
PI 31+47.20 N 611212.57 E 2581456.30
DRAFT
NOTES:
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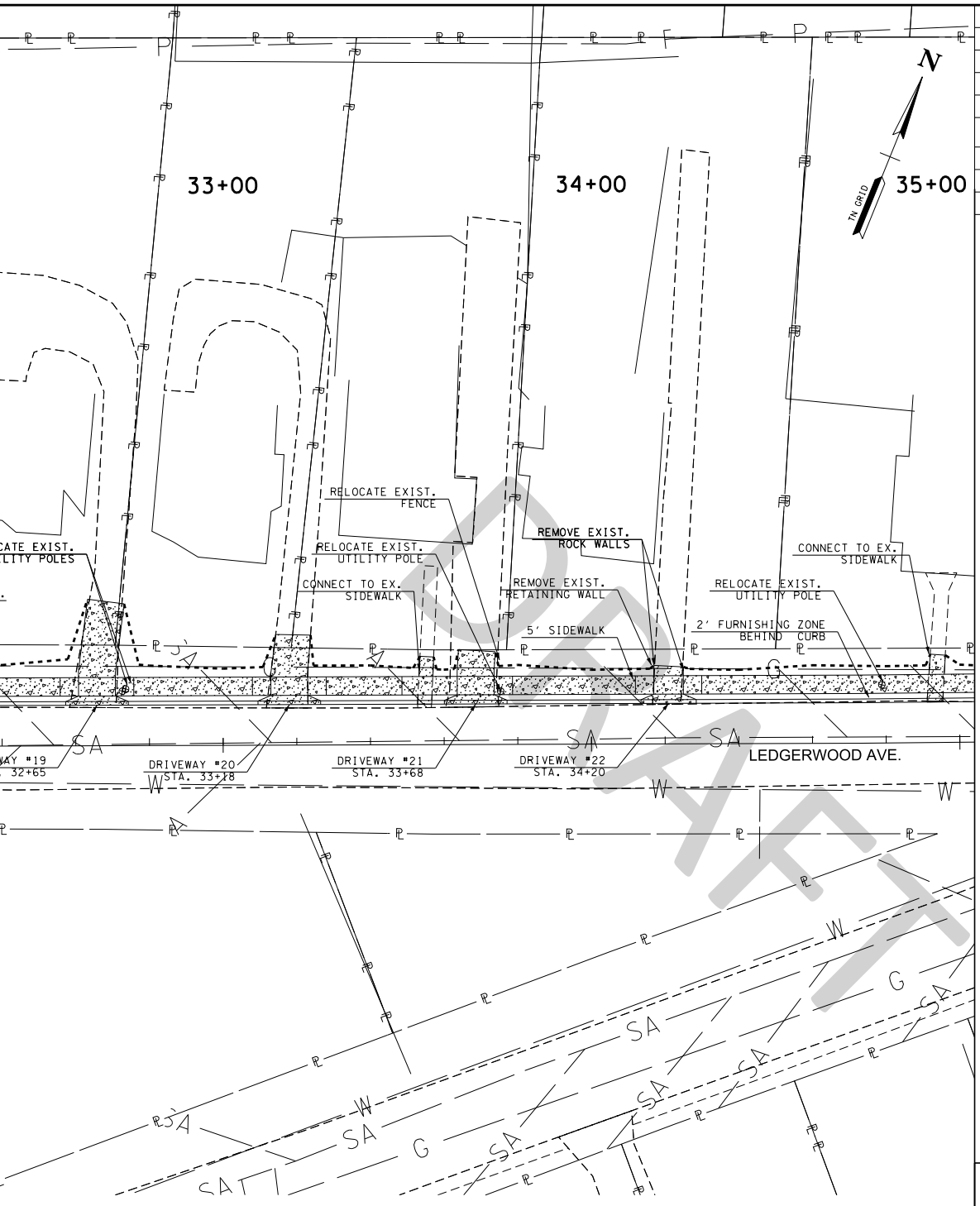
LEGEND
CONCRETE
GRAVEL
ASPHALT
FILL
CUT



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CITY OF KNOXVILLE

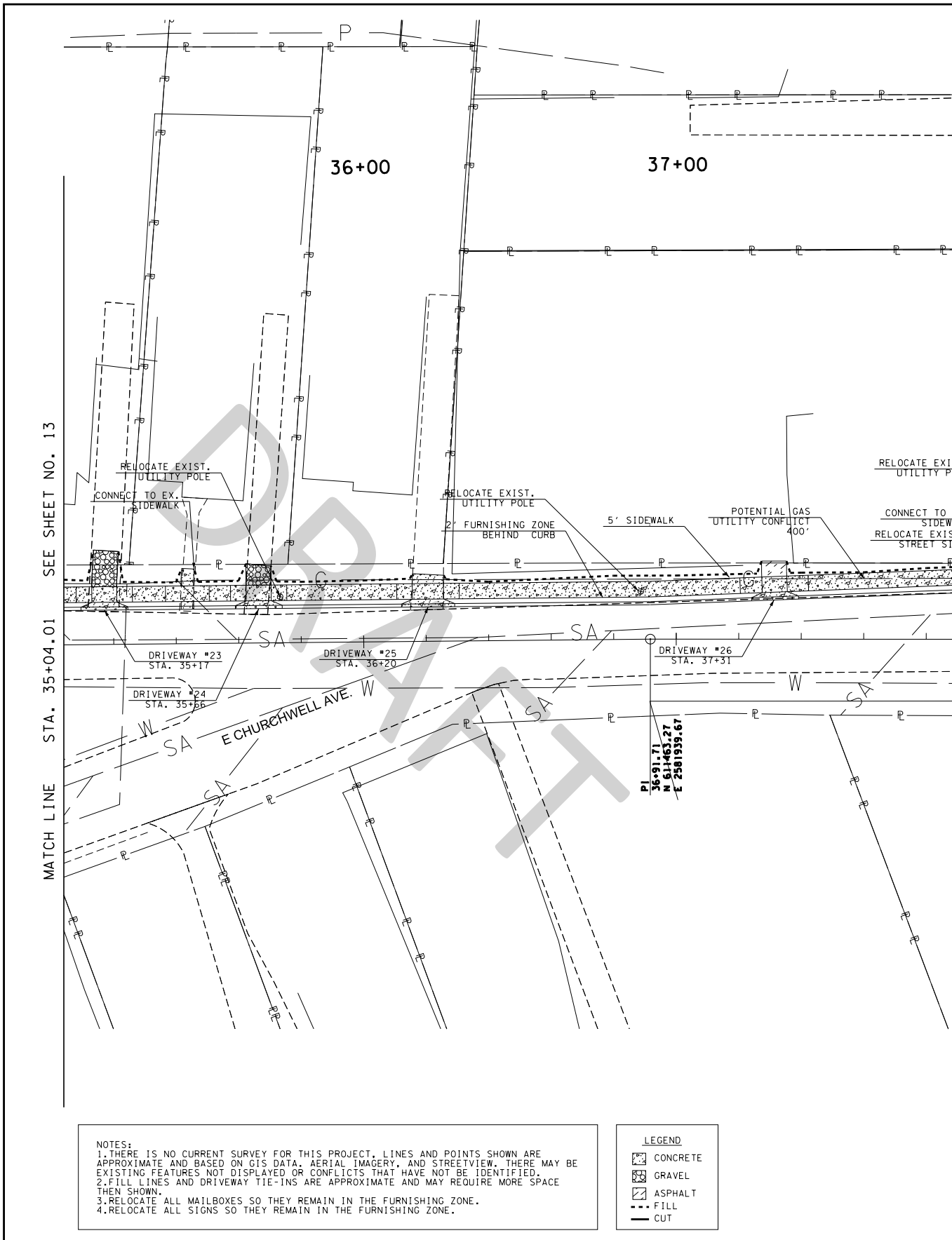
PROJECT NO. 43803.00

EAST COLUMBIA AVE. SIDEWALK IMPROVEMENTS

PROPOSED OPTION 1 WITH NO AERIAL

SCALE: 1" = 20'

SHEET 13 OF 15B


36+00
37+00
SEE SHEET NO. 13
MATCH LINE STA. 35+04.01
RELOCATE EXIST. UTILITY POLE
CONNECT TO EX. SIDEWALK
RELOCATE EXIST. UTILITY POLE
2' FURNISHING ZONE BEHIND CURB
5' SIDEWALK
POTENTIAL GAS UTILITY CONFLICT 400'
CONNECT TO SIDEW
RELOCATE EXIS STREET SI
RELOCATE EXI UTILITY P
DRIVEWAY #23 STA. 35+17
DRIVEWAY #24 STA. 35+36
DRIVEWAY #25 STA. 36+20
DRIVEWAY #26 STA. 37+31
E CHURCHWELL AVE. W
PI 36+91.71 N 611463.27 E 2581939.67
DRAFT
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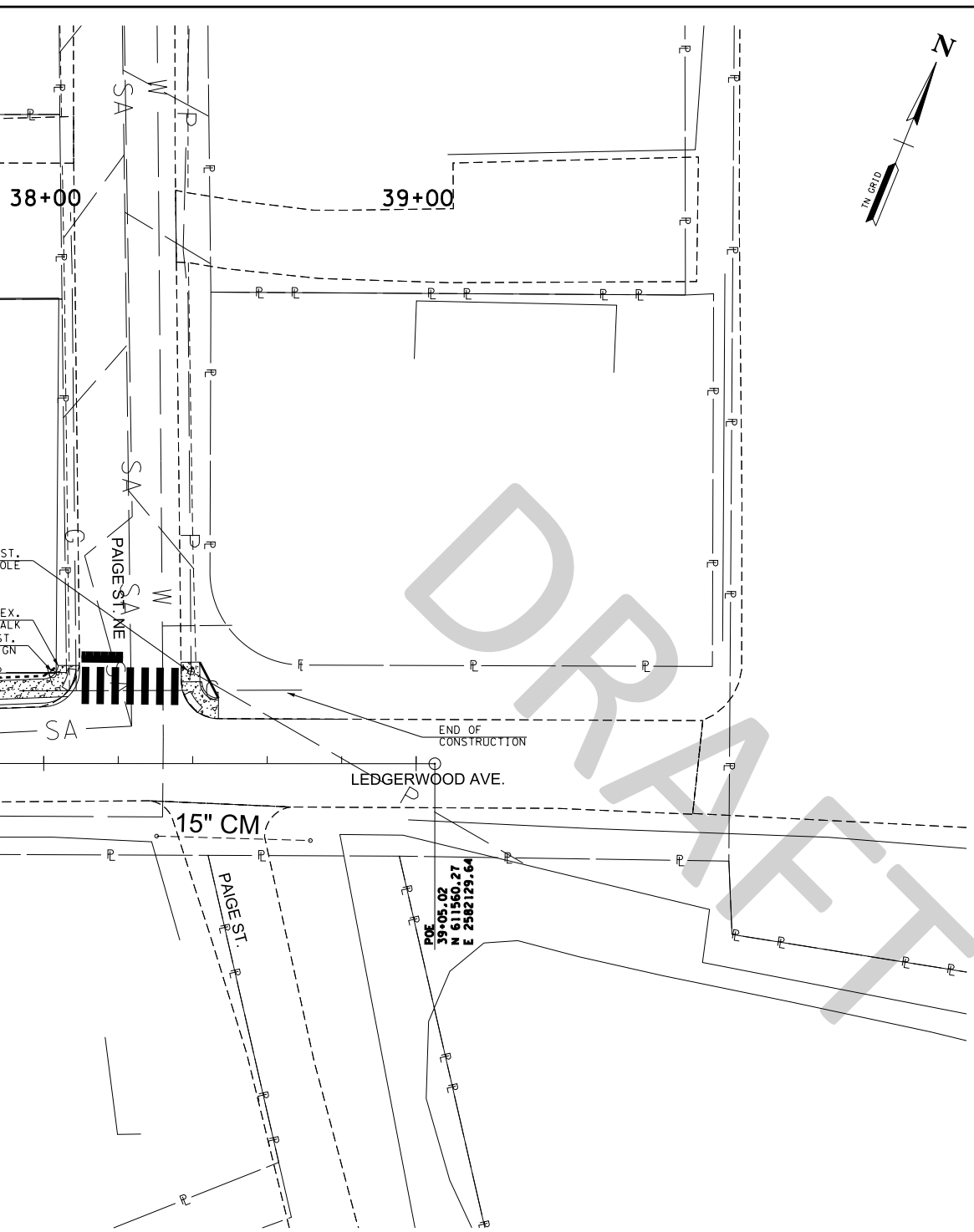
LEGEND
CONCRETE
GRAVEL
ASPHALT
FILL
CUT



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CITY OF KNOXVILLE

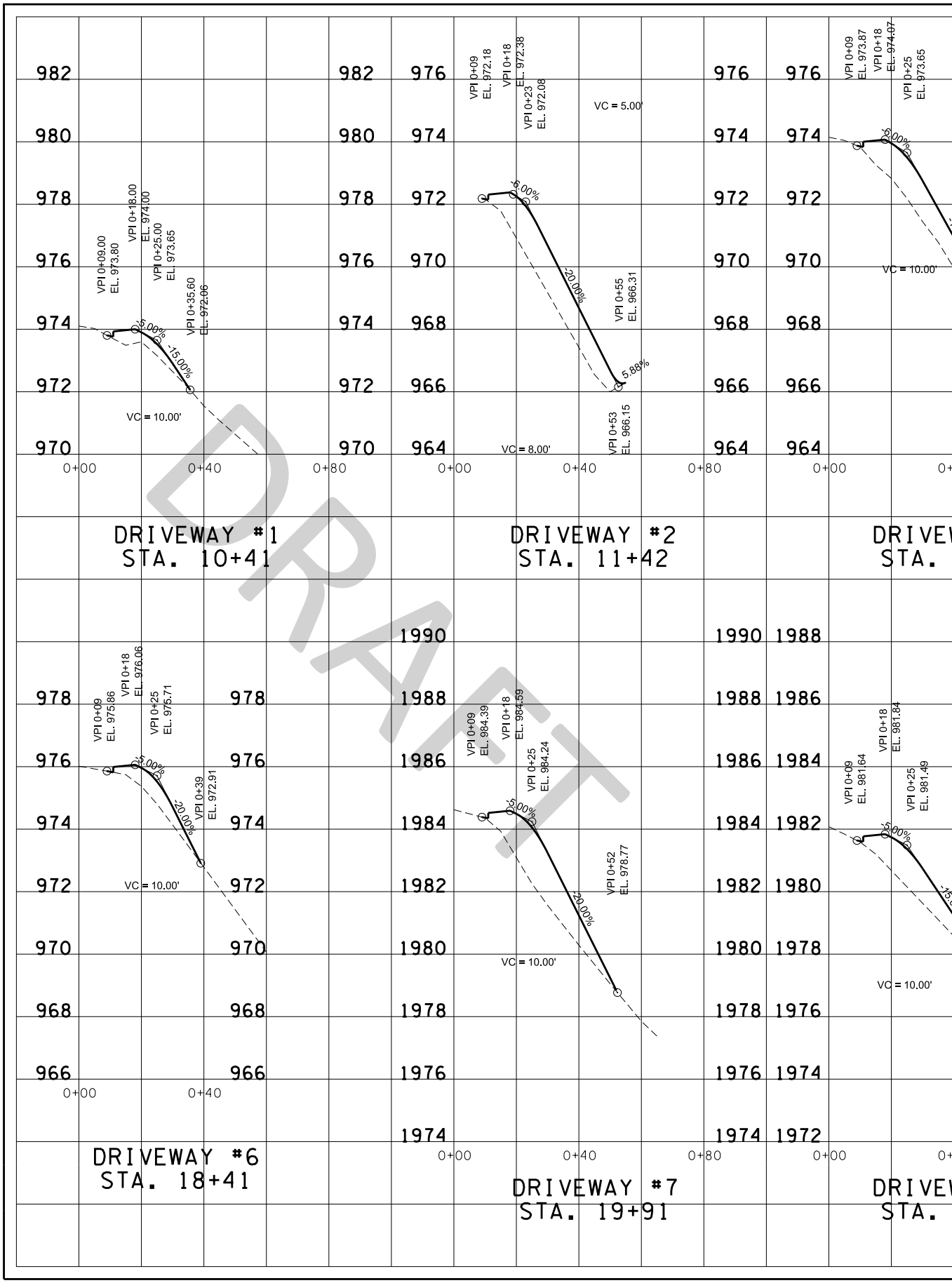
PROJECT NO. 43803.00

EAST COLUMBIA AVE. SIDEWALK IMPROVEMENTS

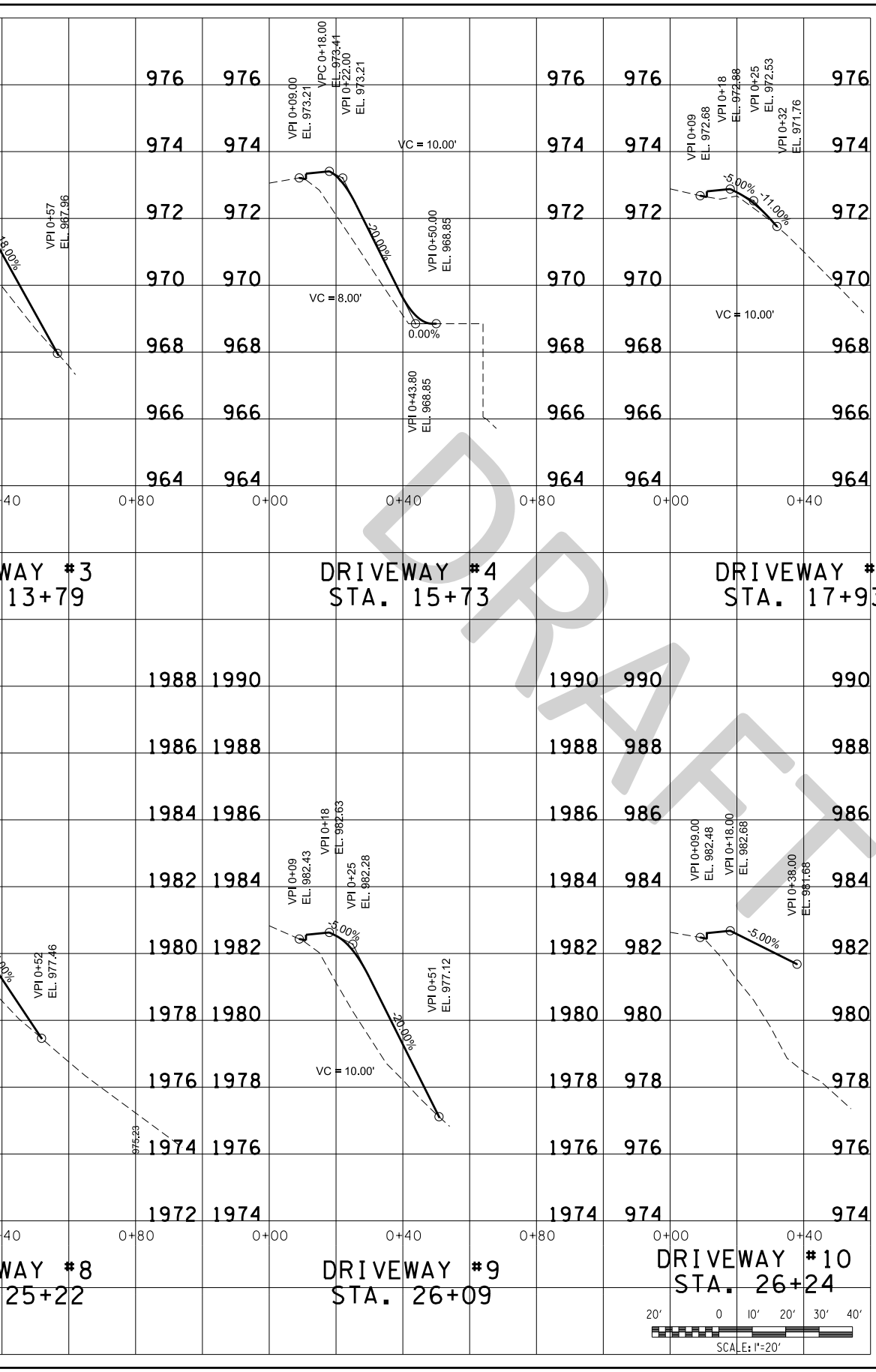
PROPOSED OPTION 1 WITH NO AERIAL

SCALE: 1" = 20'

SHEET 14 OF 15B


VPI 0+09.00
EL. 973.80
VPI 0+18.00
EL. 974.00
VPI 0+25.00
EL. 973.65
VPI 0+35.60
EL. 972.96
-5.00%
-15.00%
VC = 10.00'
DRIVEWAY #1
STA. 10+41
VPI 0+09
EL. 972.18
VPI 0+18
EL. 972.38
VPI 0+23
EL. 972.08
VC = 5.00'
-6.00%
-20.00%
VPI 0+55
EL. 966.31
-5.88%
VPI 0+53
EL. 966.15
VC = 8.00'
DRIVEWAY #2
STA. 11+42
VPI 0+09
EL. 973.87
VPI 0+18
EL. 974.07
VPI 0+25
EL. 973.65
-5.00%
VC = 10.00'
DRIVE
STA.
VPI 0+09
EL. 975.86
VPI 0+18
EL. 976.06
VPI 0+25
EL. 975.71
-5.00%
-20.00%
VPI 0+39
EL. 972.91
VC = 10.00'
DRIVEWAY #6
STA. 18+41
VPI 0+09
EL. 984.39
VPI 0+18
EL. 984.59
VPI 0+25
EL. 984.24
-5.00%
VPI 0+52
EL. 978.77
-20.00%
VC = 10.00'
DRIVEWAY #7
STA. 19+91
VPI 0+09
EL. 981.64
VPI 0+18
EL. 981.84
VPI 0+25
EL. 981.49
-5.00%
VC = 10.00'
DRIVE
STA.

DRAFT



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CITY OF KNOXVILLE

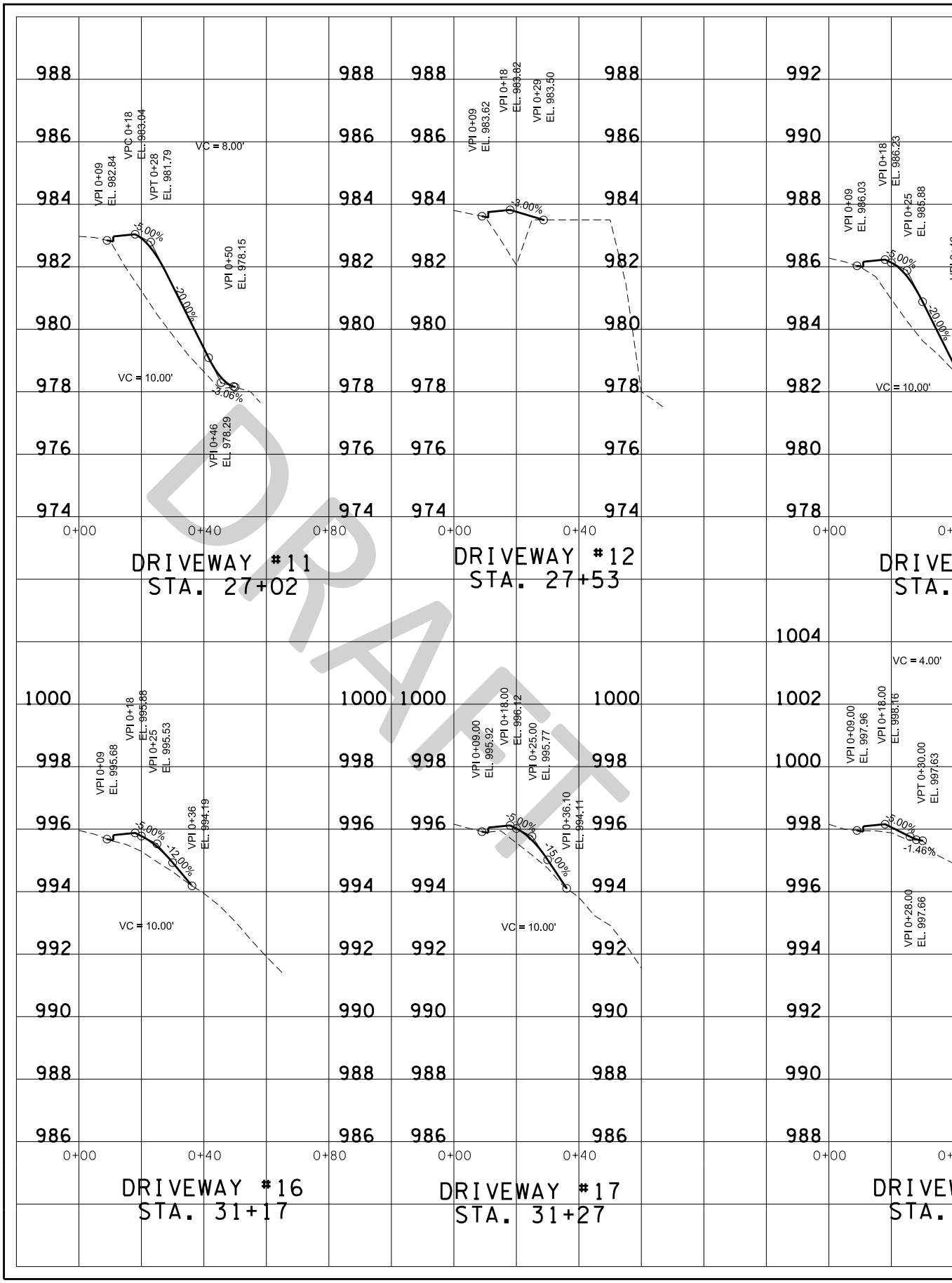
PROJECT NO. 43803.00

EAST COLUMBIA AVE. SIDEWALK IMPROVEMENTS

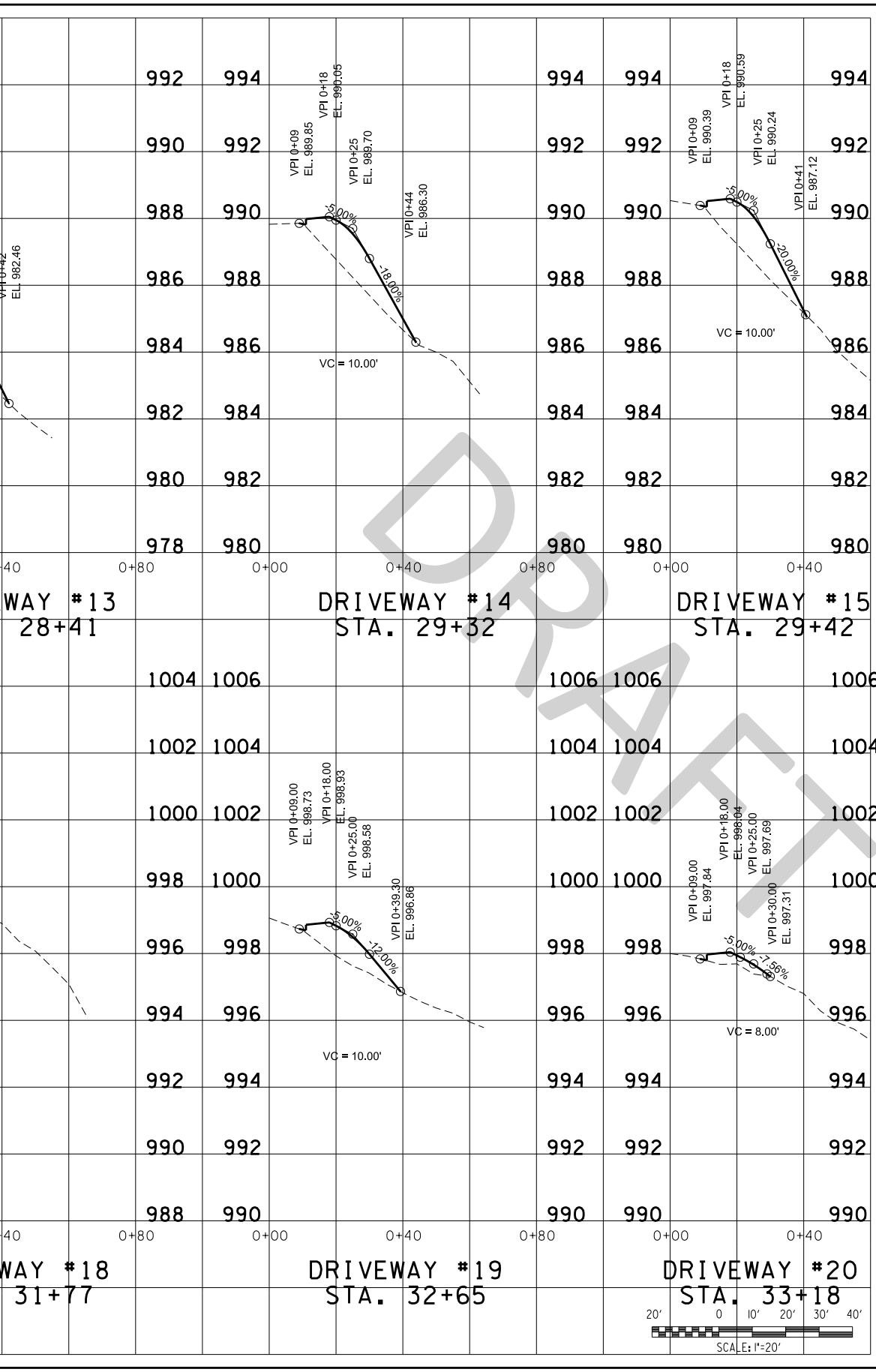
PROPOSED DRIVEWAY PROFILES

SCALE: 1" = 20'
1" = 2'

SHEET 9 OF 15B


DRIVEWAY #11
STA. 27+02
VPI 0+09 EL. 982.84
VPC 0+18 EL. 983.04
VPT 0+28 EL. 981.79
VPI 0+50 EL. 978.15
VPI 0+46 EL. 978.29
VC = 8.00'
VC = 10.00'
-5.00%
-20.00%
-3.06%
DRIVEWAY #12
STA. 27+53
VPI 0+09 EL. 983.62
VPI 0+18 EL. 983.82
VPI 0+29 EL. 983.50
-3.00%
DRIVE
STA.
VPI 0+09 EL. 986.03
VPI 0+18 EL. 986.23
VPI 0+25 EL. 985.88
VC = 10.00'
VC = 4.00'
DRIVEWAY #16
STA. 31+17
VPI 0+09 EL. 995.68
VPI 0+18 EL. 995.88
VPI 0+25 EL. 995.53
VPI 0+36 EL. 994.19
-5.00%
-12.00%
VC = 10.00'
DRIVEWAY #17
STA. 31+27
VPI 0+09.00 EL. 995.92
VPI 0+18.00 EL. 996.12
VPI 0+25.00 EL. 995.77
VPI 0+36.10 EL. 994.11
-5.00%
-15.00%
VC = 10.00'
DRIVE
STA.
VPI 0+09.00 EL. 997.96
VPI 0+18.00 EL. 998.16
VPT 0+30.00 EL. 997.63
VPI 0+28.00 EL. 997.66
-5.00%
-1.46%
0+00
0+40
0+80

DRAFT



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CITY OF KNOXVILLE

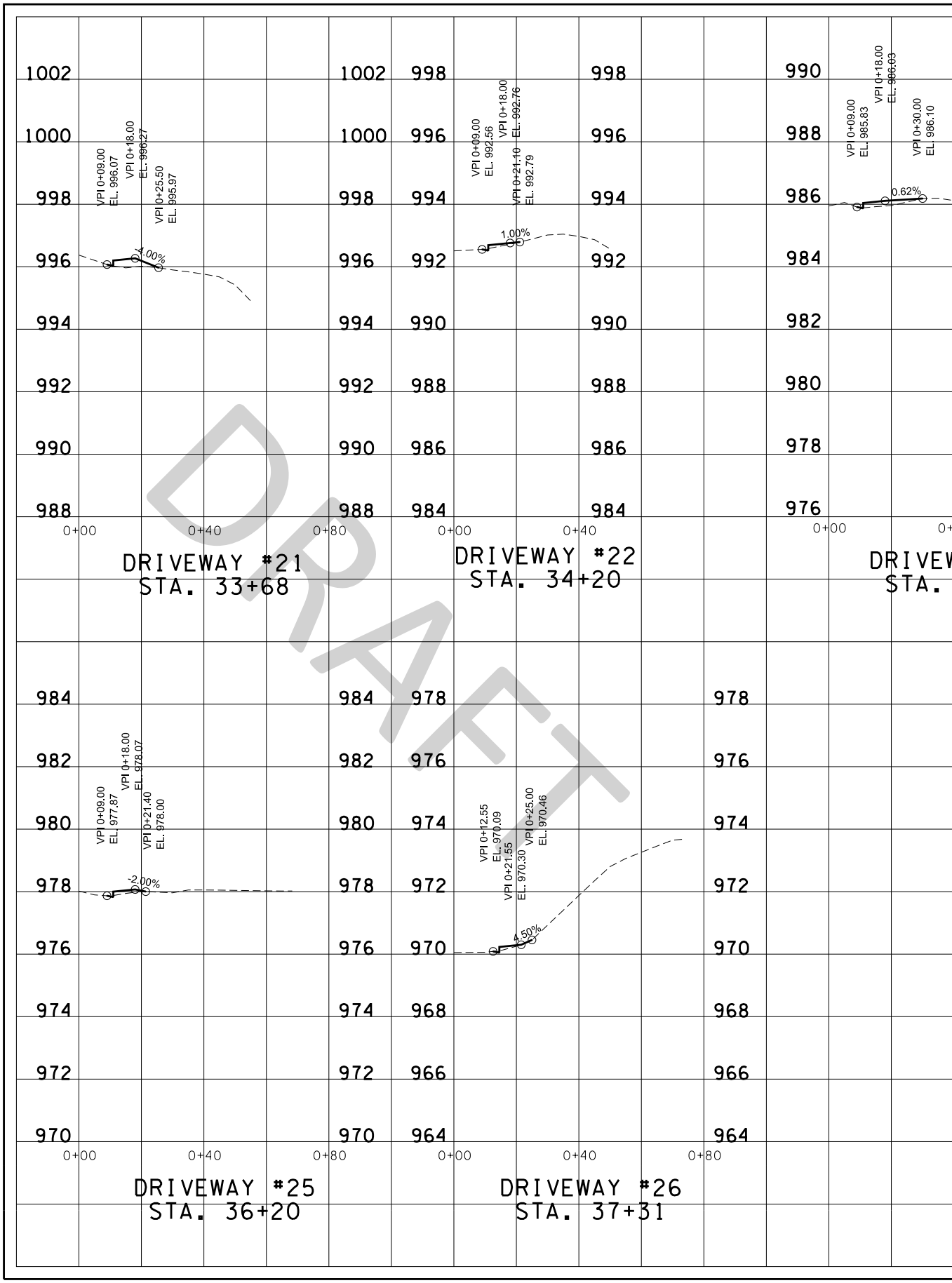
PROJECT NO. 43803.00

EAST COLUMBIA AVE. SIDEWALK IMPROVEMENTS

PROPOSED DRIVEWAY PROFILES

SCALE: 1" = 20'
1" = 2'

SHEET 9A OF 15B


VPI 0+09.00
EL. 996.07
VPI 0+18.00
EL. 996.27
VPI 0+25.50
EL. 995.97
4.00%
DRIVEWAY #21
STA. 33+68
VPI 0+09.00
EL. 992.56
VPI 0+18.00
EL. 992.76
VPI 0+21.10
EL. 992.79
1.00%
DRIVEWAY #22
STA. 34+20
VPI 0+09.00
EL. 985.83
VPI 0+18.00
EL. 986.03
VPI 0+30.00
EL. 986.10
0.62%
DRIVEW
STA.
VPI 0+09.00
EL. 977.87
VPI 0+18.00
EL. 978.07
VPI 0+21.40
EL. 978.00
-2.00%
DRIVEWAY #25
STA. 36+20
VPI 0+12.55
EL. 970.09
VPI 0+21.55
EL. 970.30
VPI 0+25.00
EL. 970.46
4.50%
DRIVEWAY #26
STA. 37+31
0+00
0+40
0+80

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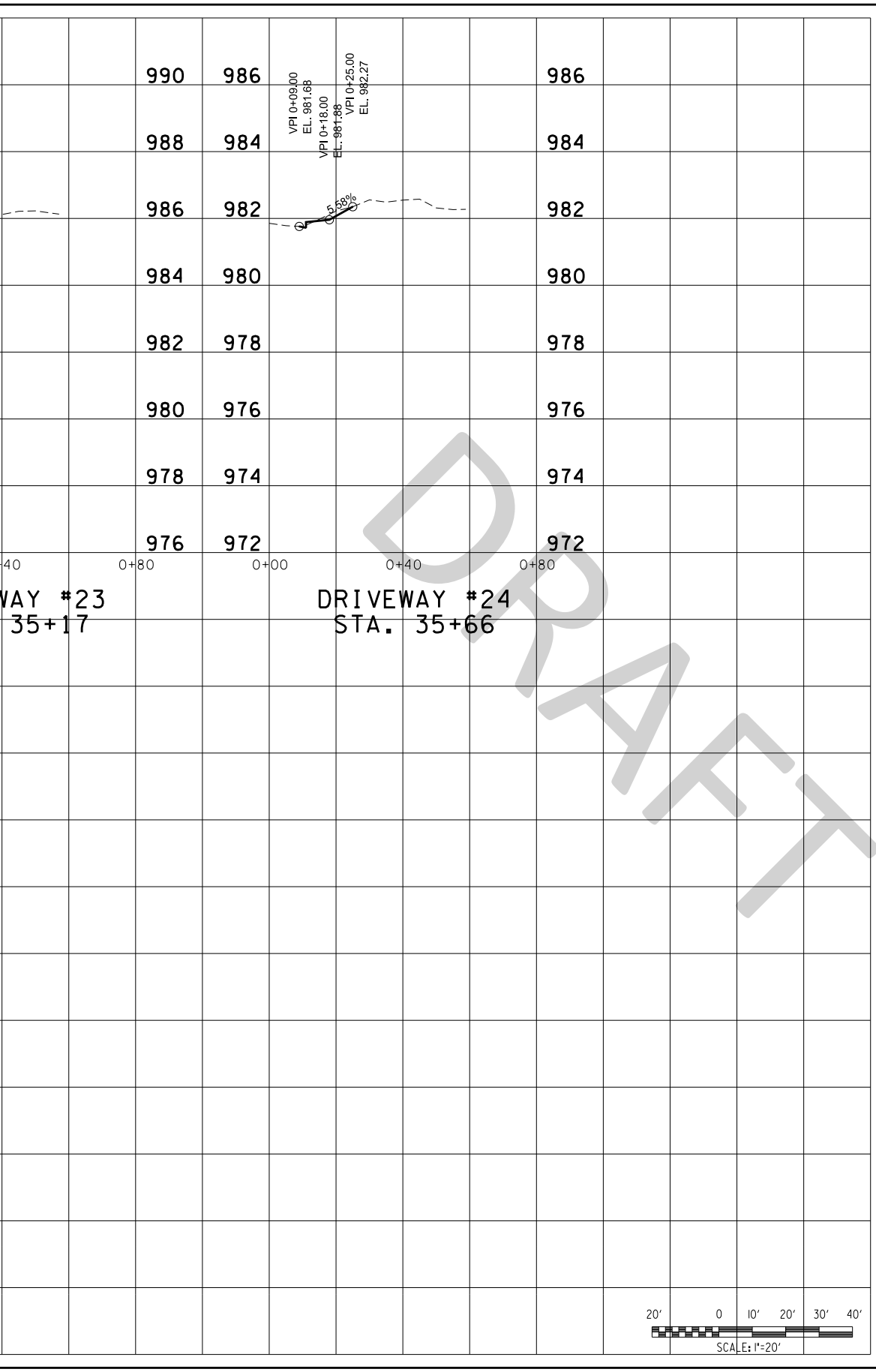

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CITY OF KNOXVILLE

PROJECT NO. 43803.00

EAST COLUMBIA AVE. SIDEWALK IMPROVEMENTS

PROPOSED DRIVEWAY PROFILES

SCALE: 1" = 20'
1" = 2'

SHEET 9B OF 15B

INDEX

SHEET NO.	SHEET NAME
1	TITLE SHEET
2	CONFLICT REVIEW/ COST ESTIMATION
3-4	PROPOSED OPTION 1 - WITH AERIAL
5-6	PROPOSED OPTION 1 - NO AERIAL

CITY OF

BEA
SIDEWAL
FROM McSPADD
(PROJECT LENGTH

DRAFT

BEGIN PROJECT STA. 10+00.00

SPECIAL NOTES

PROPOSALS MAY BE REJECTED BY THE CITY TRANSPORTATION ENGINEER IF ANY OF THE UNIT PRICES CONTAINED THEREIN ARE OBVIOUSLY UNBALANCED, EITHER EXCESSIVE OR BELOW THE REASONABLE COST ANALYSIS VALUE.

THIS PROJECT TO BE CONSTRUCTED UNDER THE STANDARD SPECIFICATIONS OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION DATED JANUARY 1, 2015 AND ADDITIONAL SPECIFICATIONS AND SPECIAL PROVISIONS CONTAINED IN THE PLANS AND IN THE PROPOSAL CONTRACT.

ALL CONSTRUCTION ACTIVITIES SHALL BE COMPLETED IN FULL COMPLIANCE WITH THE AMERICANS WITH DISABILITES ACT (ADA) AND ARCHITECTURAL AND TRANSPORTATION BARRIERS COMPLIANCE BOARD, FEDERAL REGISTER 36CFR PART 1191, ACCESSIBILITY GUIDLINES FOR BUILDINGS AND FACILITIES; ARCHITECTURAL BARRIERS ACT (ABA) ACCESSIBILITY GUIDLINES; PROPOSED RULE, PUBLISHED IN THE FEDERAL REGISTER ON SEPTEMBER 15, 2010, AS HAS BEEN ADOPTED BY METRO.

FILE NO.	TITLE.SHT
DATE:	05-28-2020
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KNOXVILLE

AUMONT AVE.
K IMPROVEMENTS
EN ST. TO W BAXTER AVE.
H APPROXIMATELY 945 FT)

N

PROJECT NO. 43803.00
PRELIMINARY DESIGN

END PROJECT STA. 19+44.43

DRAFT

CIVIL ENGINEER-
Gresham Smith
2095 LAKESIDE CENTRE WAY, SUITE 120
KNOXVILLE, TENNESSEE, 37922
(865)521-6777 TELEPHONE
CONTACT: SHAP STILES, P.E.

SHEET 1 OF 6

PRELIMINARY DESIGN REVIE

PROJECT NAME: Beaumont Avenue from McSpadden Street to W Baxter Averue
PROJECT NO: 43803
DATE: June 10, 2020

OPTIONS	Existing Pavement Width (EOP to EOP)	Proposed Side of Road	Proposed Pavement Width (EOP to EOP)	Proposed Curb and Gutter/ Post Curb	Proposed Sidewalk Width	Proposed Grass Strip Width	Proposed Bicycle Zone	Power Pole Conflicts	Sanitary Sewer Conflicts
Option 1	22'-25'	North	22'-25'	Prop C&G	5'	2'	0'	2	0

Sidewalk Length = 945'

Option 1 (Planning Option)

- Follows Planning option: 5' sidewalk, 2' grass buffer, curb and gutter
- Requires 2 ROW takes
- Relocate 5 signs street signs, 1 commercial sign
- Existing gas line runs under 500 feet of project area
- 3 trees to be removed
- Closing Sidebrook Ave and Alley entrances, decreasing commercal driveways for acsess control

Local Roads Sidewalk Estimate ($/lf)	Percent/Length	Cost/lf
Sidewalks - Local Roadways	100%	$315.50
Drainage	90%	$258
Contingency 15%	15%	
Engineering/CEI 25%	25%	
RoW - Residential Roadways 15%	15%	$1
RoW - Commercial Local Roadways 0%	0%	$0
Easement - Local Roads	100%	$20
Damages - Local Roads	50%	$5
Appraisal/closing	100%	$13
	Project length	**945**
	Estimated Cost:	**$817,000**
	Cost/lf:	**$865**
Sidewalks - Local Roadways		$298,144.95
Drainage		$243,810
Sub-Total Construction Costs:		**$542,000**
Contingency 15%		**$82,000**
Total Construction Costs:		**$624,000**
Engineering/CEI 25%		**$156,000**
RoW - Residential Roadways 15%		$945
RoW - Commercial Local Roadways 0%		$0
Easement - Local Roads		$18,900
Damages - Local Roads		$4,725
Appraisal/closing		$12,285
RoW & Easement Acquisition/Damages/Appraisals		**$37,000**

Side

IT
105-
203
203
303
307-
307-
402
402
403
407-
407-
411-
502-
604-
604-
701-
701-
701-
701-
702
712-
712-
712
712-
712-
716-
716-
716-
740-
80
802-
PW-D
SI
SP
W

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EW OPTIONS

Water Meter, Valve, and Hydrant Conflicts	Gas Conflicts	Drainage Conflicts	Sign Conflicts	Mailbox Conflicts	Tree and Bush Conflicts	*ROW Req'd.		*Temp. Const. Esmt. Req'd.	Drainage Design Req'd.
5	0	2	5	0	3	yes	(2)	yes	yes

*No. of Properties (2)

ewalk Cost Estimate Local Roadways

EM	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	COST ESTIMATED
01.01	Construction stakes, lines, grades	38	HR	$140.00	$5,292.00
3-01	Road and Drainage Exc (uncl)	350	CY	$50.00	$17,500.00
3-07	Furnishing & Spreading Topsoil	735	SY	$9.00	$6,615.00
3-01	Min. Agg. Type A Base, Gr. D	250	TN	$40.00	$9,986.67
01.01	Asphalt Concrete Mix (PG64-22) (BPMB-HM) Grad	48	TON	$110.00	$5,313.00
01.08	Asph. Conc. Mix (PG64-22) B-M2	24	TN	$350.00	$8,305.50
2-01	Bit. Mat'l. for Prime Coat (PC)	0.3	TN	$600.00	$190.91
2-02	Agg. for Cover Mat'l.	1.3	TN	$20.00	$25.20
3-01	Bit. Mat'l for Tack Coat (TC)	0.0	TN	$2,500.00	$113.64
02.13	Remove & Dispose Exist. Asp. .	84	CY	$20.00	$1,675.00
20.05	Saw Cut Asphalt Pavement	945	LF	$4.00	$3,780.00
01.02	Asphalt Concrete Mix Grading "D"	17	TN	$400.00	$6,678.00
04.01	Saw Cut Conc. (0-8")	72	LF	$15.00	$1,080.00
01.01	Class "A" Concrete	0.5	CY	$720.00	$342.40
01.02	Steel Bar Reinforcement (Rdwy)	119	LB	$2.00	$237.78
01.01	Concrete Sidewalk (4") (ST-210)	4,365	SF	$8.00	$34,920.00
01.02	Conc. Driveway (6")(w/WWM) (ST-322)	1,800	SF	$11.00	$19,800.00
02.01	Concrete Curb Ramp-6" (ST-320)	1,144	SF	$33.00	$37,752.00
02.02	Concrete Driveway 8"(w/ wire mesh) (ST-324)	504	SF	$11.00	$5,544.00
2-03	Concrete Curb & Gutter (ST -200)	945	LF	$40.00	$37,800.00
04.01	Flexible Drums (Channelizing)	32	EA	$30.00	$945.00
05.01	Warning Light (Type "A")	32	EA	$30.00	$945.00
2-06	Signs (Construction)	672	SF	$15.00	$10,080.00
07.03	Temporary Barricades, Type III	144	LF	$17.00	$2,448.00
08.06	Uniformed Policeman	605	HR	$40.00	$24,192.00
02.09	Plastic Pavement Marking (Cross-Walk)	384	LF	$55.00	$21,120.00
02.05	Plastic Pavement Marking (Stop Line)	192	LF	$30.00	$5,760.00
12.01	Enhanced Flat Thermoplastic 4" Pavement Marking	0.2	LM	$6,000.00	$1,073.86
11.02	Temporary Sediment Tube 12In (Description)	945	LF	$4.00	$3,780.00
1-01	Seeding (with mulch)	735	SY	$10.00	$7,350.00
08.04	Tree Removal	72	IN	$50.00	$3,600.00
W-001	Detectable Warnings (Specification 02523) (ST-32	30	SF	$30.00	$900.00
P-7	Permits	38	DAY	$250.00	$9,500.00
P-10	Furnish and Install Project Signs	2	EA	$750.00	$1,500.00
S-2	Adj. of Water Meters (0-2')	4	EA	$500.00	$2,000.00
				Subtotal	$298,144.95
			Estimated Cost		$298,144.95
			Estimated Cost per Linear Foot		$315.50

20' 0 10' 20' 30' 40'

SCALE: 1"=20'

CITY OF KNOXVILLE

PROJECT NO. 43803.00

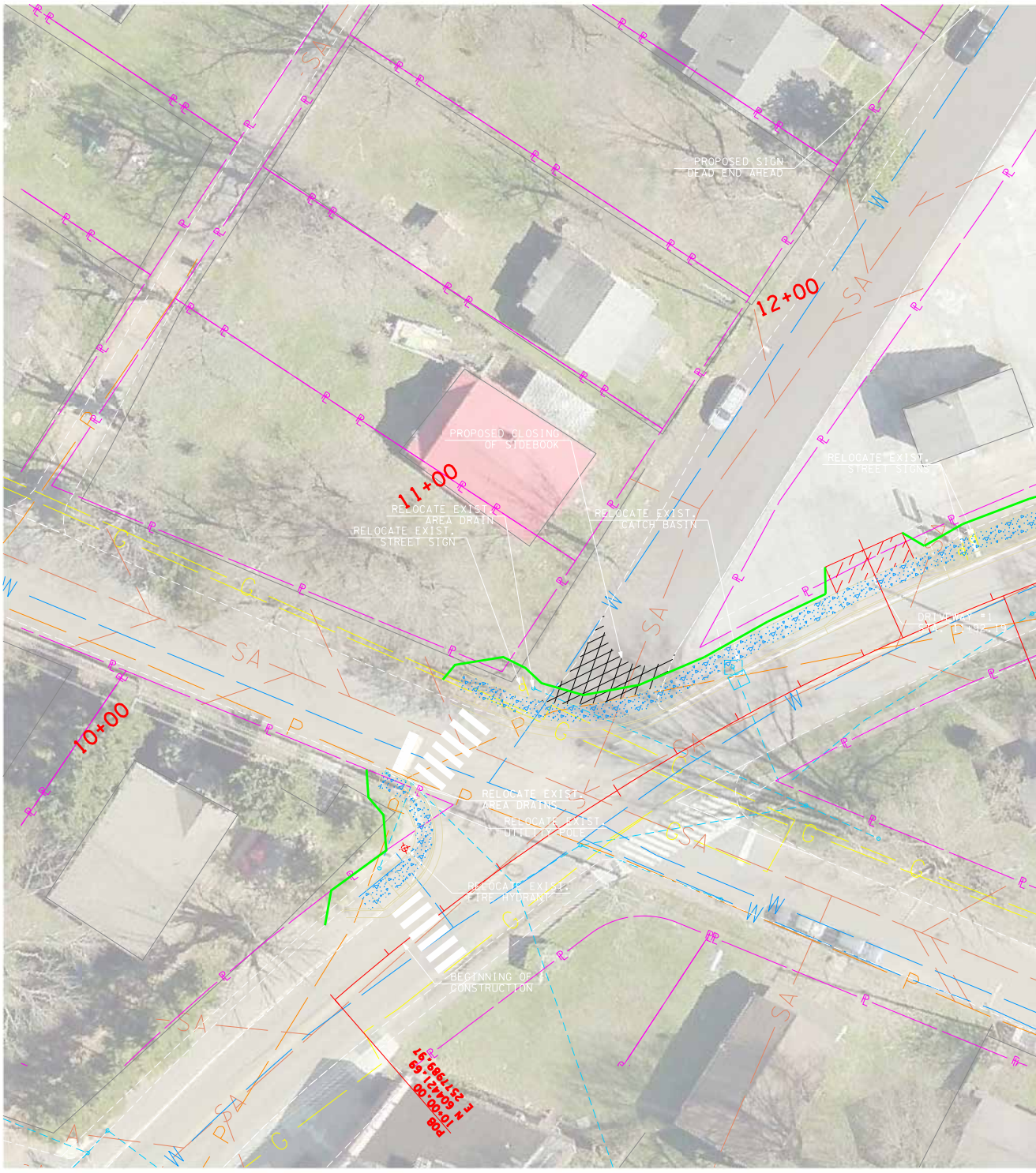
BEAUMONT AVE. SIDEWALK IMPROVEMENTS

CONFLICT REVIEW/ COST ESTIMATION

SCALE: N.T.S.

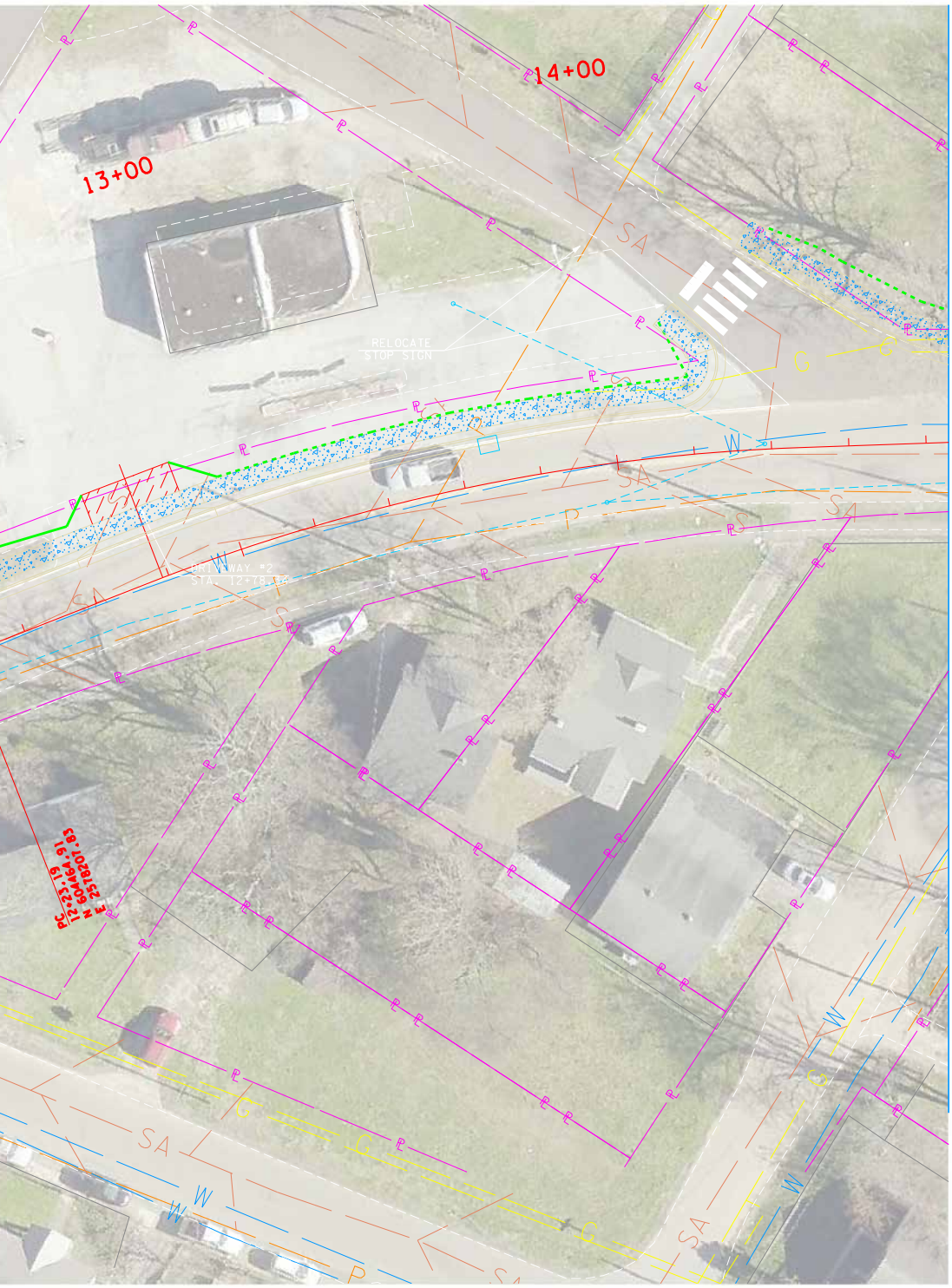
SHEET 2 OF 6

Beaumont Avenue Sidewalk Improvements



NOTES:
1.THERE IS NO CURRENT SURVEY FOR THIS PROJECT. LINES AND POINTS SHOWN ARE APPROXIMATE AND BASED ON GIS DATA. AERIAL IMAGERY, AND STREETVIEW. THERE MAY BE EXISTING FEATURES NOT DISPLAYED OR CONFLICTS THAT HAVE NOT BE IDENTIFIED.
2.FILL LINES AND DRIVEWAY TIE-INS ARE APPROXIMATE AND MAY REQUIRE MORE SPACE THEN SHOWN.
3.RELOCATE ALL MAILBOXES SO THEY REMAIN IN THE FURNISHING ZONE.
4.RELOCATE ALL SIGNS SO THEY REMAIN IN THE FURNISHING ZONE.

LEGEND
- CONCRETE
- GRAVEL
- ASPHALT
- FILL
- CUT



FILE NO.	
DATE:	05-28-2020
DESIGNED BY:	CJL
DRAWN BY:	CJL
CHECKED BY:	JSS
REVISION BLOCK	
DATE:	
DATE:	
DATE:	

20′ 0 10′ 20′ 30′ 40′

SCALE: 1"=20′

CITY OF KNOXVILLE

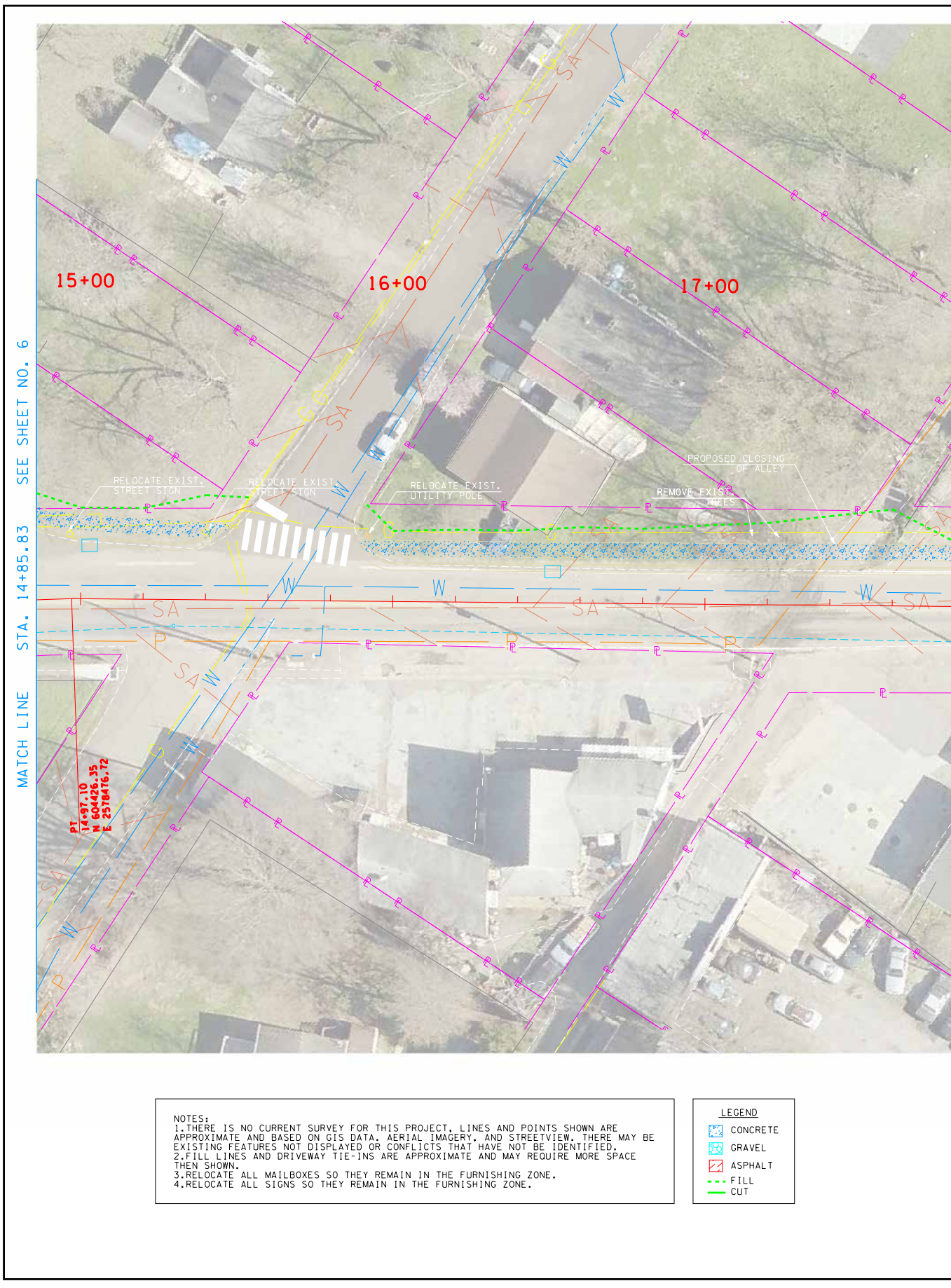
PROJECT NO. 43803.00

BEAUMONT AVENUE SIDEWALK IMPROVEMENTS

PROPOSED OPTION 1 WITH AERIAL

SCALE: 1" = 20′

SHEET 3 OF 6


15+00
16+00
17+00
MATCH LINE STA. 14+85.83 SEE SHEET NO. 6
RELOCATE EXIST. STREET SIGN
RELOCATE EXIST. STREET SIGN
RELOCATE EXIST. UTILITY POLE
PROPOSED CLOSING OF ALLEY
REMOVE EXIST. TREES
PT 14+97.10 N 604426.35 E 2578476.72
NOTES:
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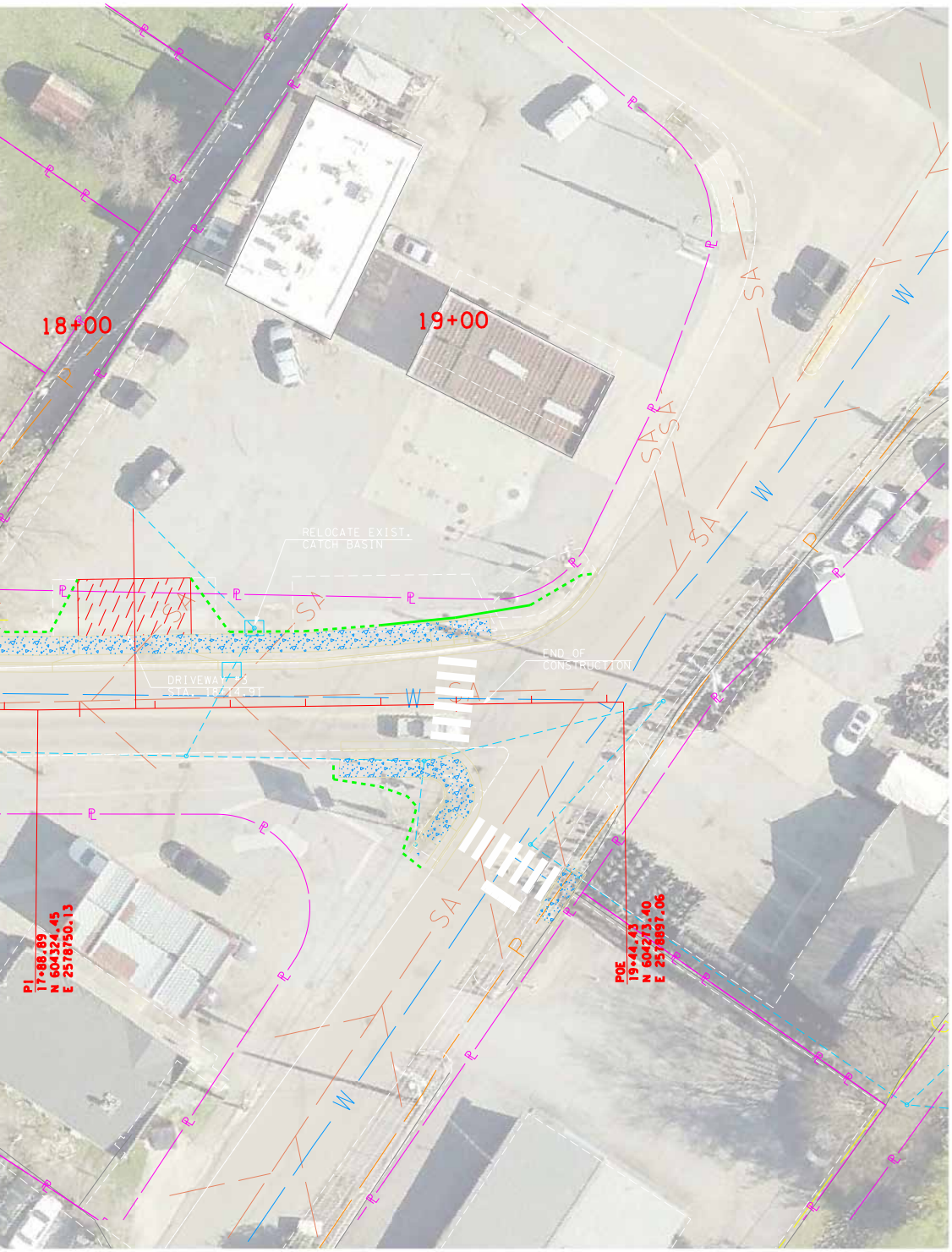
LEGEND
CONCRETE
GRAVEL
ASPHALT
FILL
CUT



FILE NO.	
DATE:	05-28-2020
DESIGNED BY:	CJL
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DATE:	
DATE:	

20′ 0 10′ 20′ 30′ 40′

SCALE: 1"=20′

CITY OF KNOXVILLE

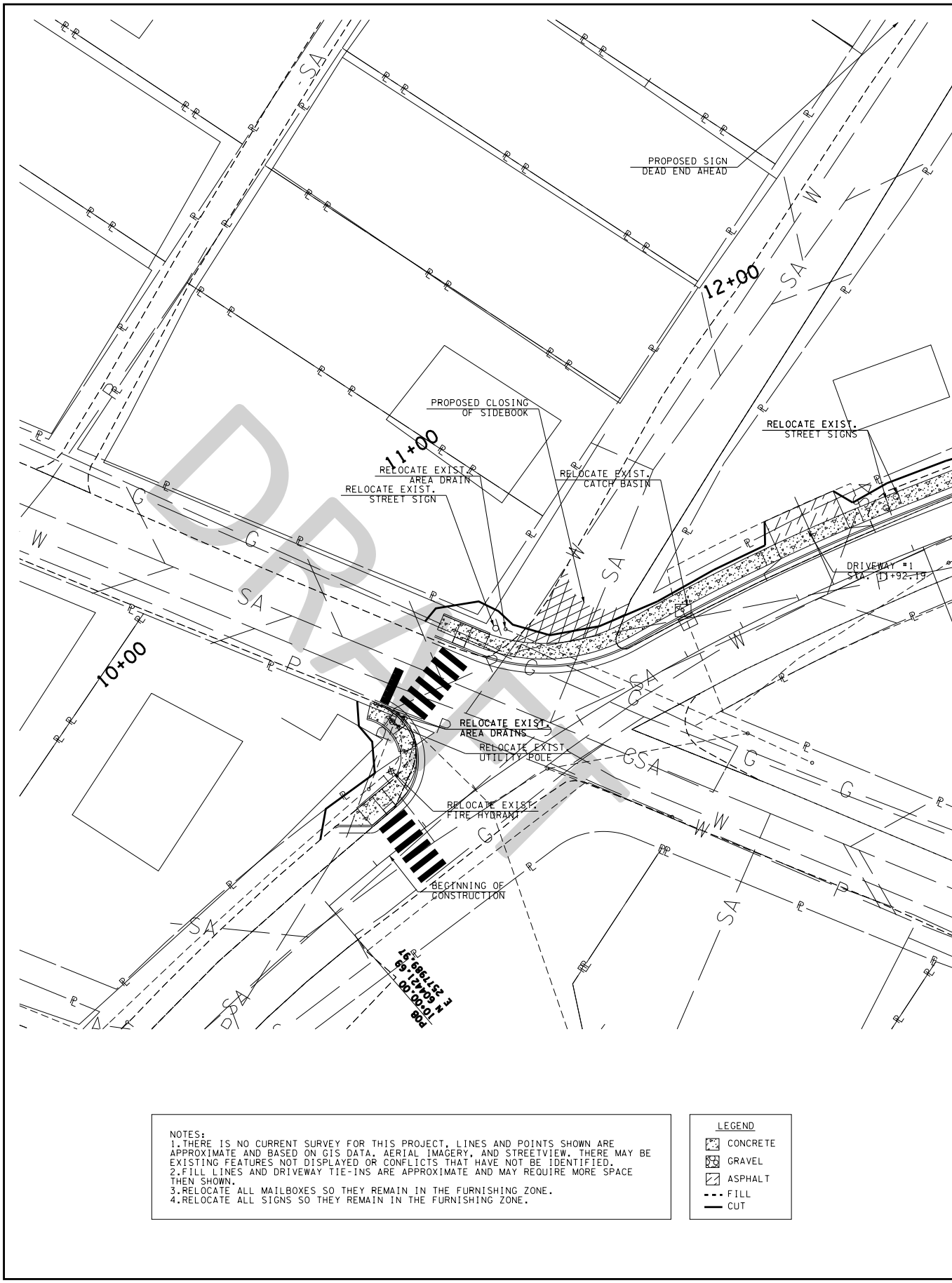
PROJECT NO. 43803.00

BEAUMONT AVENUE SIDEWALK IMPROVEMENTS

PROPOSED OPTION 1 WITH AERIAL

SCALE: 1" = 20′

SHEET 3 OF 6



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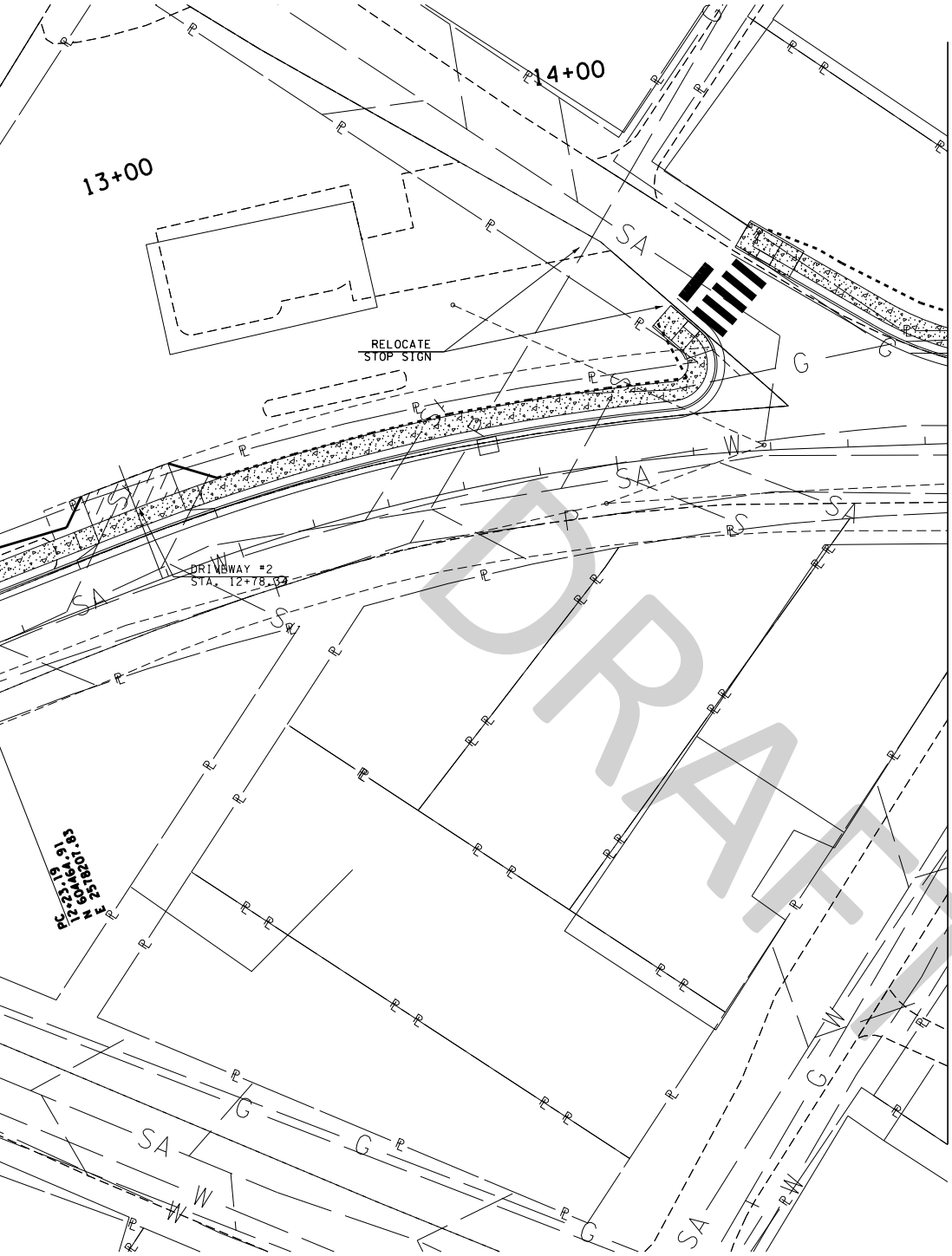
LEGEND
- CONCRETE
- GRAVEL
- ASPHALT
- FILL
- CUT



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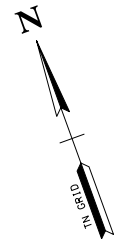


20' 0 10' 20' 30' 40'
SCALE: 1"=20'

CITY OF KNOXVILLE

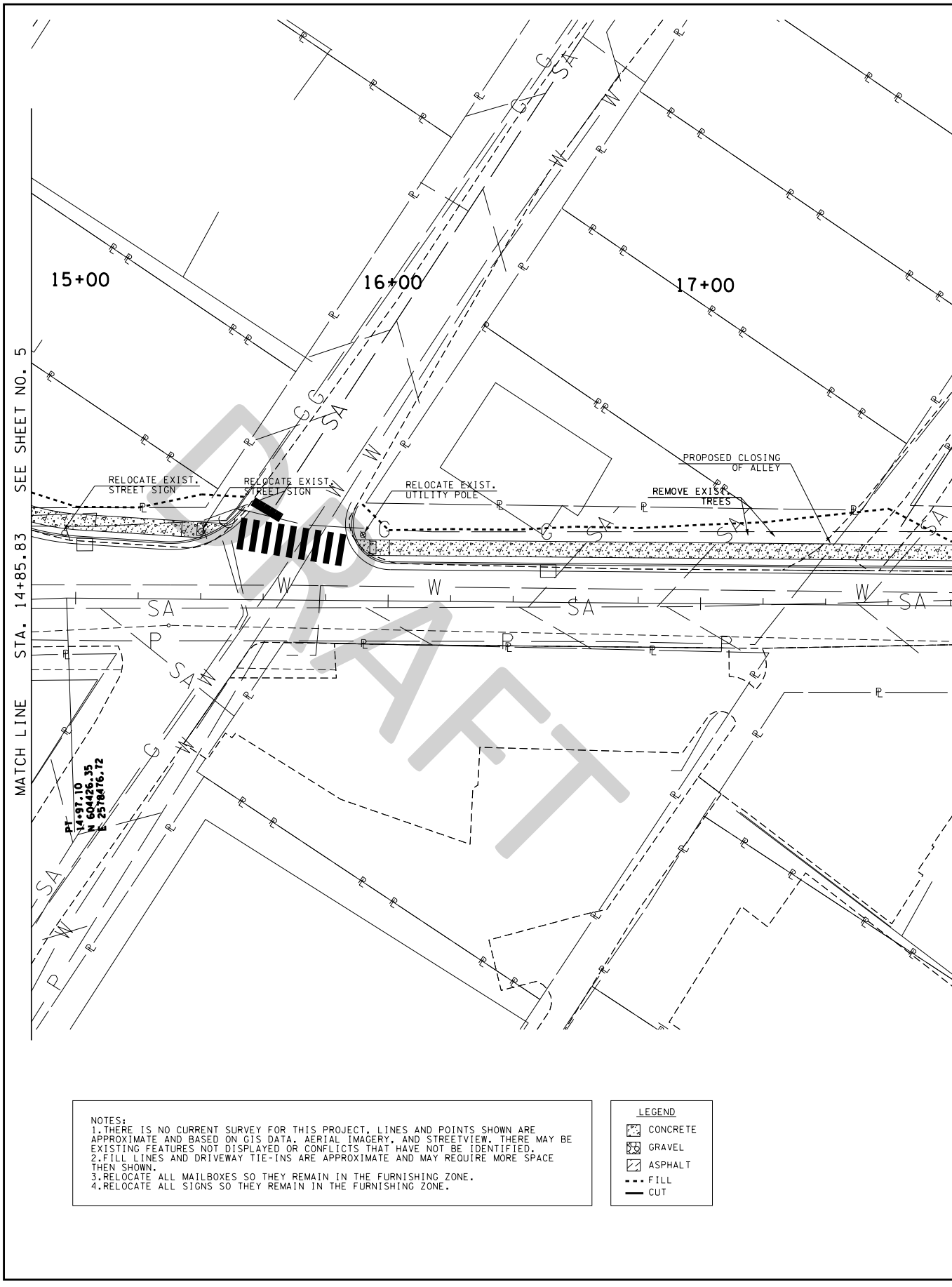
PROJECT NO. 43803.00

BEAUMONT AVENUE SIDEWALK IMPROVEMENTS

PROPOSED OPTION 1 WITH NO AERIAL

SCALE: 1" = 20'

SHEET 5 OF 6


15+00
16+00
17+00
MATCH LINE STA. 14+85.83 SEE SHEET NO. 5
RELOCATE EXIST. STREET SIGN
RELOCATE EXIST. STREET SIGN
RELOCATE EXIST. UTILITY POLE
PROPOSED CLOSING OF ALLEY
REMOVE EXIST. TREES
PT 14+97.10 N 604426.35 E 2578476.72
DRAFT
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LEGEND
CONCRETE
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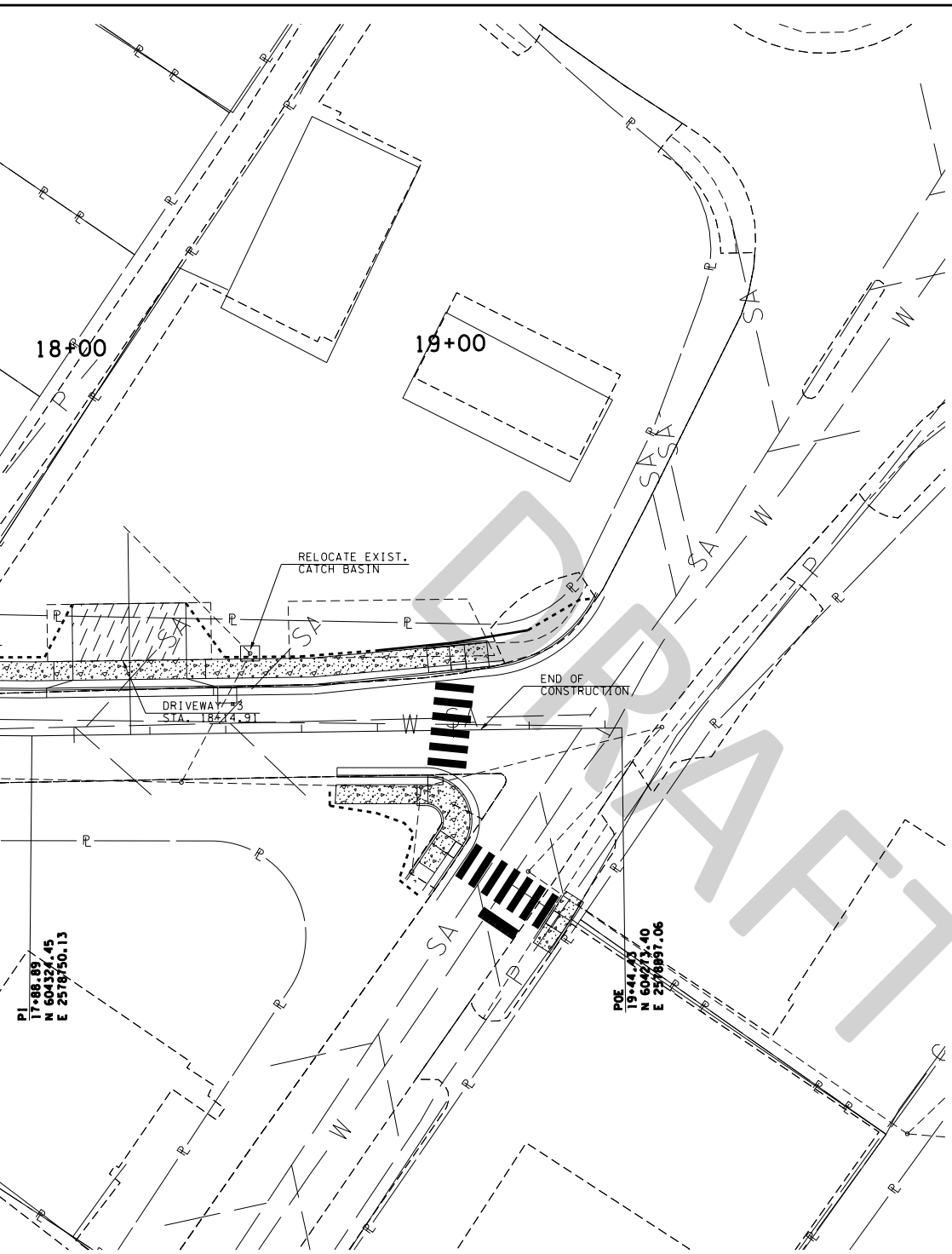
FILL
CUT



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FILE NO.	
DATE:	05-28-2020
DESIGNED BY:	CJL
DRAWN BY:	CJL
CHECKED BY:	JSS
REVISION BLOCK	
DATE:	
DATE:	
DATE:	

20' 0 10' 20' 30' 40'
SCALE: 1"=20'

CITY OF KNOXVILLE

PROJECT NO. 43803.00

BEAUMONT AVENUE
SIDEWALK
IMPROVEMENTS

PROPOSED OPTION 1
WITH NO AERIAL

SCALE: 1" = 20'

SHEET 6 OF 6

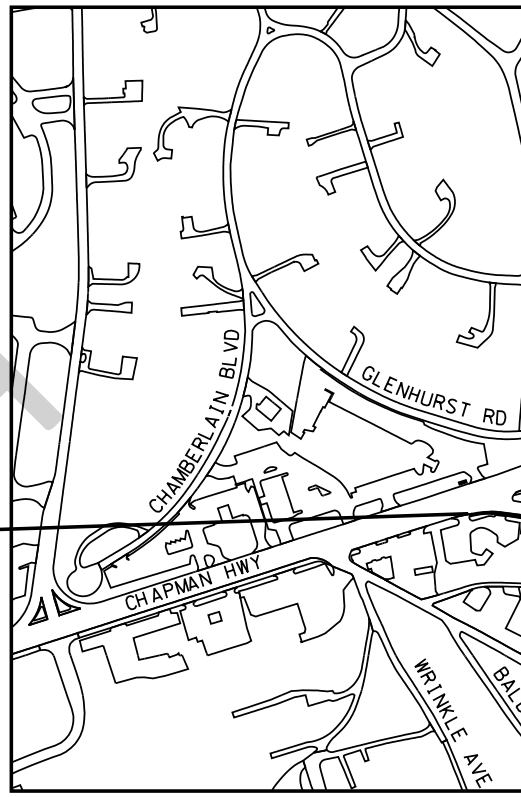
INDEX

SHEET NO.	SHEET NAME
1	TITLE SHEET & INDEX
2	DESIGN SUMMARY AND CONSTRUCTION ESTIMATE
3	PROPOSED OPTION 1
4	PROPOSED OPTION 1- NO AERIAL

CITY OF

WEST MAR
SIDEWALK
FROM CHAPMAN HIGHWAY TO EXIST
(PROJECT LENGTH A

DRAFT



BEGIN PROJECT STA 10+46.85

SC

SPECIAL NOTES

PROPOSALS MAY BE REJECTED IF ANY OF THE UNIT PRICES CONTAINED THEREIN ARE OBVIOUSLY UNBALANCED, EITHER EXCESSIVE OR BELOW THE REASONABLE COST ANALYSIS VALUE.

THIS PROJECT TO BE CONSTRUCTED UNDER THE STANDARD SPECIFICATIONS OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION DATED JANUARY 1, 2015, AND ADDITIONAL SPECIFICATIONS AND SPECIAL PROVISIONS CONTAINED IN THE PLANS AND IN THE CONTRACT.

ALL CONSTRUCTION ACTIVITIES SHALL BE COMPLETED IN F
COMPLIANCE WITH THE AMERICANS WITH DISABILITIES ACT
AND ARCHITECTURAL AND TRANSPORTATION BARRIERS COM
BOARD, FEDERAL REGISTER 36CFR PART 1191,
ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES;
ARCHITECTURAL BARRIERS ACT (ABA) ACCESSIBILITY GUIDEL
PROPOSED RULE, PUBLISHED IN THE FEDERAL REGISTER ON
SEPTEMBER 15, 2010, AS HAS BEEN ADOPTED BY METRO.

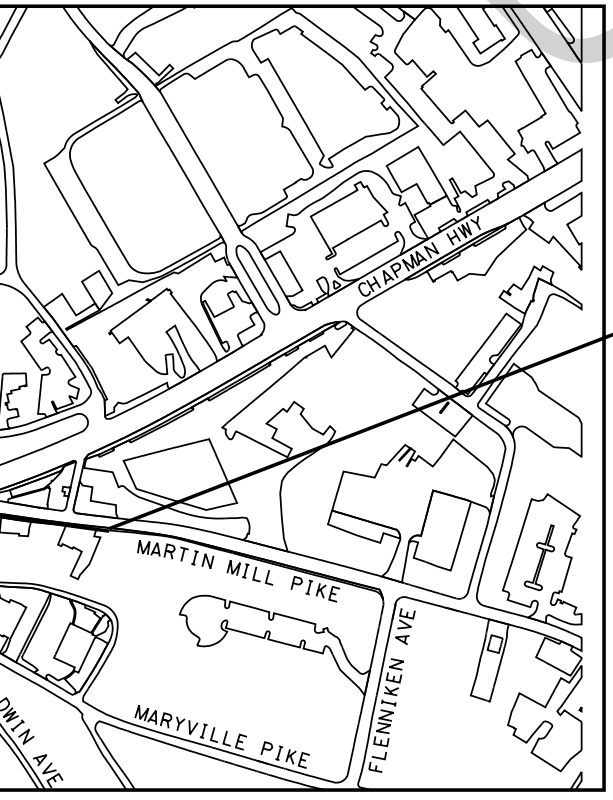
FILE NO.	COVER.SHT
DATE:	07-27-2020
DESIGNED BY:	JPM
DRAWN BY:	JPM
CHECKED BY:	JDB
REVISION BLOCK	
DATE:	
DATE:	
DATE:	

KNOXVILLE

PROJECT NO. 43803.00
PRELIMINARY DESIGN

RTIN MILL PIKE
IMPROVEMENTS
TING SIDEWALK SOUTH OF DRUID DRIVE
APPROXIMATELY 367 FT)

DRAFT



END PROJECT STA 52+83.57

CALE: 1"=200'

FULL
(ADA)
MPLIANCE

LINES:
N

CIVIC
ENGINEERING | TECHNOLOGY | PROGRESS
25 LINDSLEY AVENUE, NASHVILLE, TN 37210
(615) 425-2000

Sheet 1 of 4

PRELIMINARY DESIGN REVIEW OPTIONS

PROJECT NAME: West Martin Mill Pike from Chapman Highway to South of Druid Dr (existing sidewalk)
PROJECT NO: 43803.00
DATE: July 27, 2020

OPTIONS	Existing Pavement Width (EOP to EOP)	Proposed Side of Road	Proposed Pavement Width (EOP to EOP)	Proposed Curb and Gutter/ Post Curb	Proposed Sidewalk Width	Proposed Grass Strip Width	Proposed Bicycle Zone	Power Pole Conflicts	Water Meter, Valve, and Hydrant Conflicts
Option 1	29'-36'	West	28'-31'	Prop C&G	5'	0'	none	1	2

Sidewalk Length = 367 LF

Option 1

- Install 5' sidewalk and C&G along the west side of the roadway
- Layout was not based on survey, so the number of conflicts and the design is subject to change. Cut/fill and driveway tie-in lengths are an approximation
- Install crosswalk and stop bar along Chapman Highway; install yield sign for right turn lane; install pedestrian push buttons at curb ramps along Chapman Highway
- Potential water meter, sanitary cleanout, water service line, and sanitary service line adjustments on each property
- Adjust 1 water valve and 1 fire hydrant
- Adjust 2 gas valves
- Relocate 1 utility pole
- Replace 1 drainage casting
- Relocate 1 mailbox
- Replace curbs on 3521 Martin Mill Pike
- Relocate bollards and wooden posts at 3419 Chapman Highway
- Remove or reset approximately 149 LF of fencing
- Potential tree and brush impacts along 3437 Martin Mill Pike

Arterial Boulevard Sidewalk Estimate ($/lf)	Percent/Length	Cost/lf
Sidewalks - Arterial Roadways	100%	$860
Drainage	20%	$58
Retaining Wall 30%	0%	$0
Contingency 10%	10%	
Engineering/CEI 25%	25%	
RoW - Residential Roadways	0%	$0
RoW - Commercial Arterial Boulevard Roadways Urban	100%	$35
Easement - Arterial Boulevard Urban	100%	$40
Damages - Arterial Boulevards Urban	100%	$25
Appraisal/closing	100%	$13
	Project length	**388**
	Estimated Cost:	**$536,000**
	Cost/lf:	**$1,381**
	Sidewalks - Arterial Roadways	$333,803
	Drainage	$22,504
	Retaining Wall 30%	$0
	Sub-Total Construction Costs:	**$357,000**
	Contingency 10%	**$36,000**
	Total Construction Costs:	**$393,000**
	Engineering/CEI 25%	**$99,000**
	RoW - Residential Roadways	$0
	RoW - Commercial Arterial Boulevard Roadways Urban	$13,580
	Easement - Arterial Boulevard Urban	$15,520
	Damages - Arterial Boulevards Urban	$9,700
	Appraisal/closing	$5,044
	RoW & Easement Acquisition/Damages/Appraisals	**$44,000**

Sidewalk C

	ITEM	
	105-01.01	C
	203-01	R
	203-07	R
	303-01	M
	307-01.01	A
	307-01.08	A
	402-01	B
	402-02	A
	403-01	B
	407-02.13	R
	407-20.05	S
	411-01.02	A
	502-04.01	S
	701-01.01	C
	701-01.02	C
	701-02.01	C
	701-02.02	C
	702-03	C
	707-06.05	R
	712-04.01	R
	712-05.01	W
	712-06	S
	712-07.03	T
	712-08.06	U
	716-02.09	R
	716-02.05	R
	716-12.01	B
(1)	730-01	T
	740-11.02	T
	801-01	S
	PW-DW-001	D
	SP-7	R
	SP-10	R
	WS-1	A
	WS-2	A

Notes:
(1) A
R

FILE NO.	ESTIMATE.SHT
DATE:	07-27-2020
DESIGNED BY:	JPM
DRAWN BY:	JPM
CHECKED BY:	JDB
REVISION BLOCK	
DATE:	
DATE:	
DATE:	

Gas Conflicts	Drainage Conflicts	Mailbox Conflicts	*ROW Req'd.	*Temp. Const. Esmt. Req'd.	Drainage Design Req'd.
2	1	1	yes (2)	yes (5)	yes

*No. of Approximate Properties (x)

Cost Estimate Arterial Boulevard Roadways

DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	COST ESTIMATED
Construction stakes, lines, grades	16	HR	$140.00	$2,172.80
Road and Drainage Exc (uncl)	287	CY	$50.00	$14,370.37
Furnishing & Spreading Topsoil	431	SY	$9.00	$3,880.00
Min. Agg. Type A Base, Gr. D	114	TN	$40.00	$4,579.36
Asphalt Concrete Mix (PG64-22) (BPMB-HM) Grading A	20	TON	$110.00	$2,181.42
Asph. Conc. Mix (PG64-22) B-M2	10	TN	$350.00	$3,410.09
Bit. Mat'l. for Prime Coat (PC)	0.1	TN	$600.00	$78.38
Agg. for Cover Mat'l.	0.5	TN	$20.00	$10.35
Bit. Mat'l for Tack Coat (TC)	0.0	TN	$2,500.00	$46.66
Remove & Dispose Exist. Asp. .	18	CY	$20.00	$359.26
Saw Cut Asphalt Pavement	388	LF	$4.00	$1,552.00
Asphalt Concrete Mix Grading "D"	7	TN	$400.00	$2,741.87
Saw Cut Conc. (0-8")	122	LF	$15.00	$1,824.30
Concrete Sidewalk (4") (ST-210)	1,092	SF	$8.00	$8,735.20
Conc. Driveway (6")(w/WWM) (ST-322)	1,350	SF	$11.00	$14,849.80
Concrete Curb Ramp-6" (ST-320)	178	SF	$33.00	$5,874.00
Concrete Driveway 8"(w/ wire mesh) (ST-324)	848	SF	$11.00	$9,329.10
Concrete Curb & Gutter (ST-200)	388	LF	$40.00	$15,520.00
Remove & Reset Exist Fence and Posts (5' height)	149	LF	$0.56	$83.44
Flexible Drums (Channelizing)	13	EA	$30.00	$388.00
Warning Light (Type "A")	13	EA	$30.00	$388.00
Signs (Construction)	672	SF	$15.00	$10,080.00
Temporary Barricades, Type III	144	LF	$17.00	$2,448.00
Uniformed Policeman	248	HR	$40.00	$9,932.80
Plastic Pavement Marking (Cross-Walk)	66	LF	$55.00	$3,630.00
Plastic Pavement Marking (Stop Line)	16	LF	$30.00	$480.00
Enhanced Flat Thermoplastic 4" Pavement Marking	0.1	LM	$6,000.00	$440.91
Traffic Signals	1.0	LS	$200,000.00	$200,000.00
Temporary Sediment Tube 12In (Description)	388	LF	$4.00	$1,552.00
Seeding (with mulch)	431	SY	$10.00	$4,311.11
Detectable Warnings (Specification 02523) (ST-329, ST-330)	30	SF	$30.00	$900.00
Permits	16	DAY	$250.00	$4,000.00
Furnish and Install Project Signs	2	EA	$750.00	$1,500.00
Adj. of Water Valve Boxes (0-4")	1	EA	$153.65	$153.65
Adj. of Water Meters (0-2')	4	EA	$500.00	$2,000.00
			Estimated Construction Cost	**$333,802.87**
			Estimated Cost per Linear Foot	**$860.32**

A full signal upgrade will be required to create a traffic controlled condition which allows pedestrians to safely cross Chapman Highway.

CITY OF KNOXVILLE

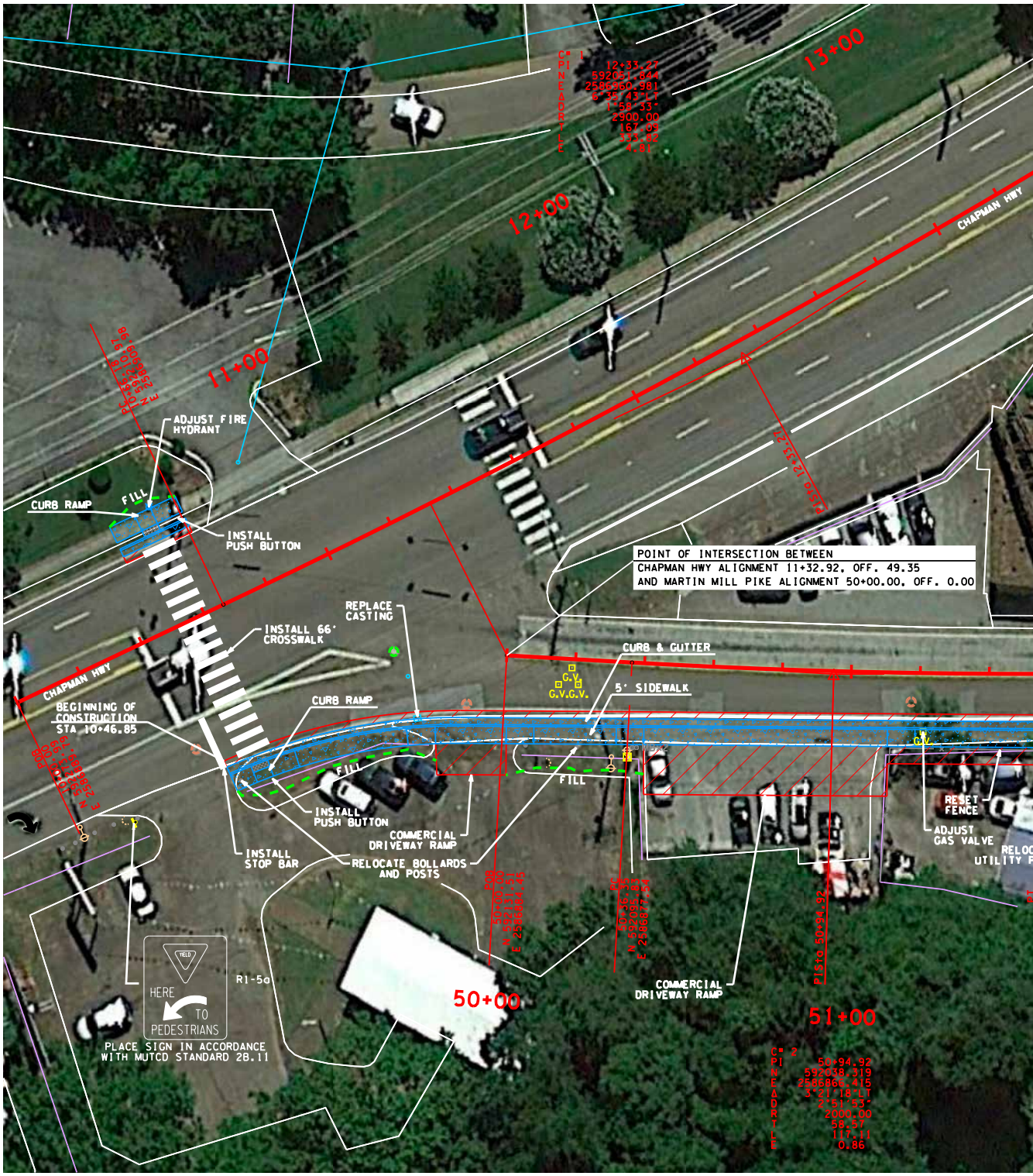
PROJECT NO. 43803.00

MARTIN MILL PIKE SIDEWALK IMPROVEMENTS

CONSTRUCTION ESTIMATE

SCALE: N.T.S.

SHEET 2 OF 4



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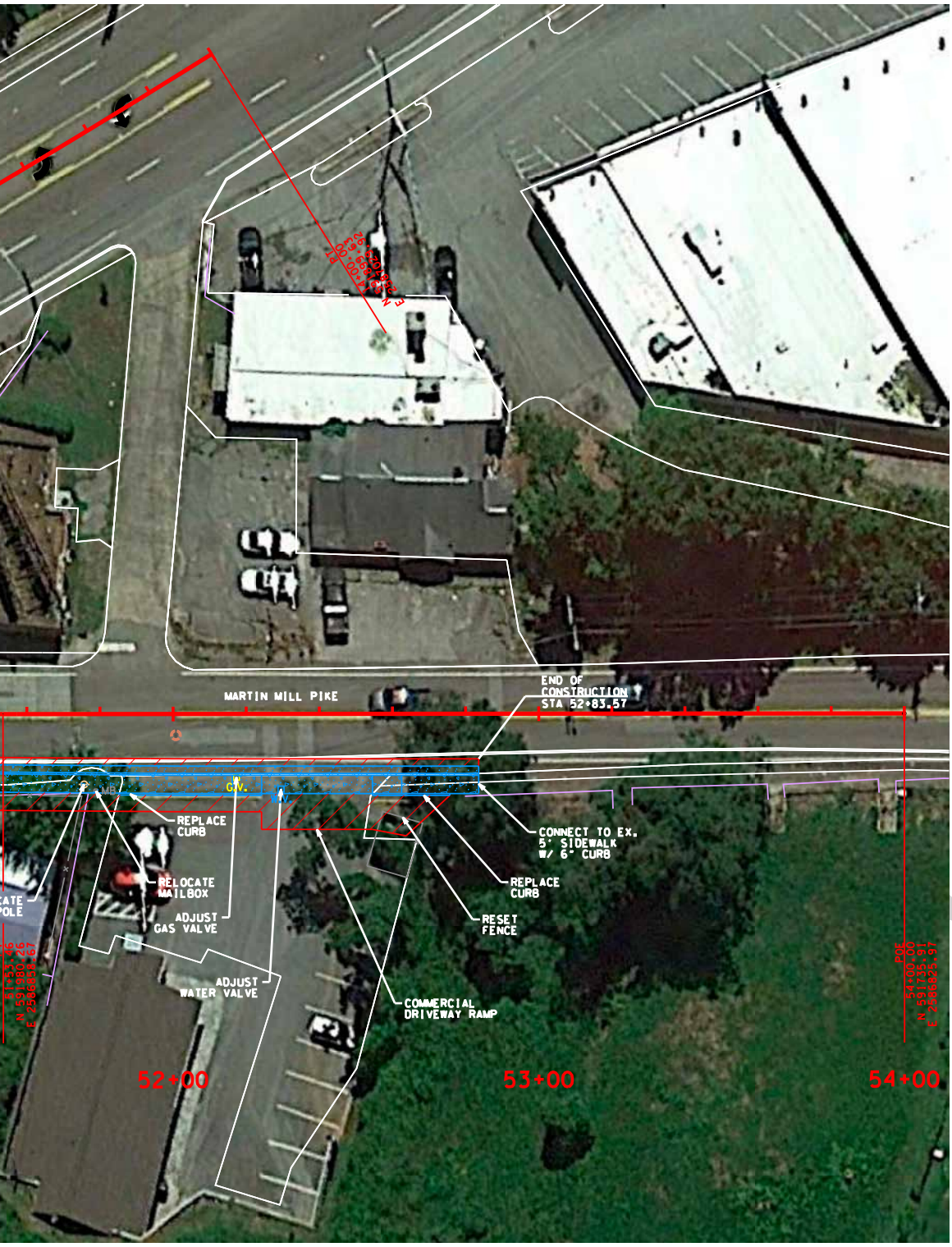

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DRAWN BY:	JPM
CHECKED BY:	JDB
REVISION BLOCK	
DATE:	
DATE:	
DATE:	

TN ORTO

20' 0 10' 20' 30' 40'

SCALE: 1"=20'

CITY OF KNOXVILLE

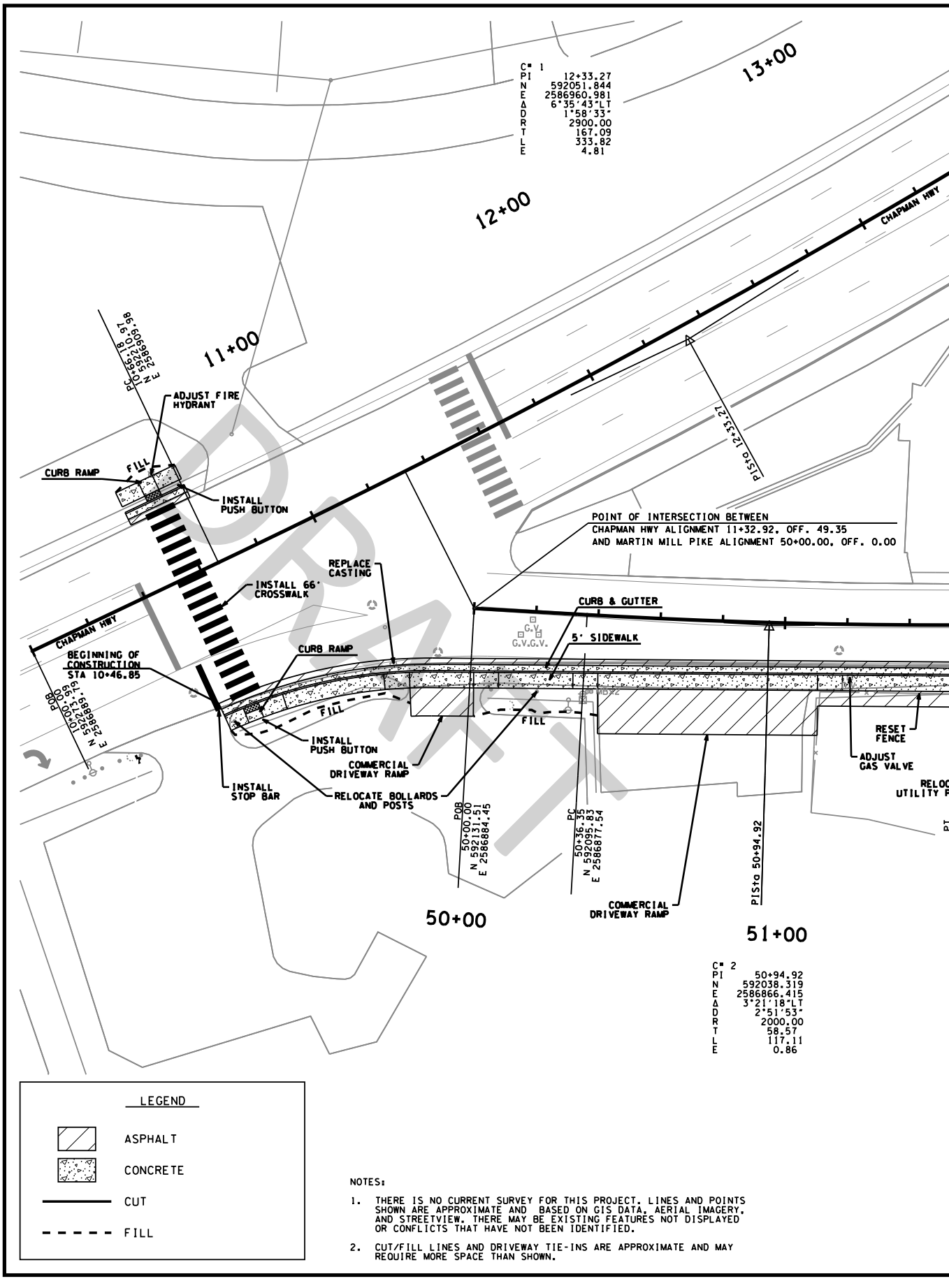
PROJECT NO. 43803.00

MARTIN MILL PIKE SIDEWALK IMPROVEMENTS

PROPOSED OPTION 1

SCALE: 1" = 20'

SHEET 3 OF 4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E 2586960.981
Δ 6°35'43"LT
D 1°58'33"
R 2900.00
T 167.09
L 333.82
E 4.81
13+00
12+00
11+00
50+00
51+00
CHAPMAN HWY
ADJUST FIRE HYDRANT
CURB RAMP
FILL
INSTALL PUSH BUTTON
INSTALL 66' CROSSWALK
REPLACE CASTING
CURB & GUTTER
5' SIDEWALK
BEGINNING OF CONSTRUCTION STA 10+46.85
POB 10+00.00 N 592027.69 E 2586895.76
INSTALL STOP BAR
RELOCATE BOLLARDS AND POSTS
COMMERCIAL DRIVEWAY RAMP
POB 50+00.00 N 592131.51 E 2586884.45
PC 50+36.35 N 592095.83 E 2586877.54
PI Sta 12+53.27
POINT OF INTERSECTION BETWEEN
CHAPMAN HWY ALIGNMENT 11+32.92, OFF. 49.35
AND MARTIN MILL PIKE ALIGNMENT 50+00.00, OFF. 0.00
PI Sta 50+94.92
RESET FENCE
ADJUST GAS VALVE
C= 2
PI 50+94.92
N 592038.319
E 2586866.415
Δ 3°21'18"LT
D 2°51'53"
R 2000.00
T 58.57
L 117.11
E 0.86
LEGEND
ASPHALT
CONCRETE
CUT
FILL
NOTES:
1. THERE IS NO CURRENT SURVEY FOR THIS PROJECT. LINES AND POINTS SHOWN ARE APPROXIMATE AND BASED ON GIS DATA, AERIAL IMAGERY, AND STREETVIEW. THERE MAY BE EXISTING FEATURES NOT DISPLAYED OR CONFLICTS THAT HAVE NOT BEEN IDENTIFIED.
2. CUT/FILL LINES AND DRIVEWAY TIE-INS ARE APPROXIMATE AND MAY REQUIRE MORE SPACE THAN SHOWN.

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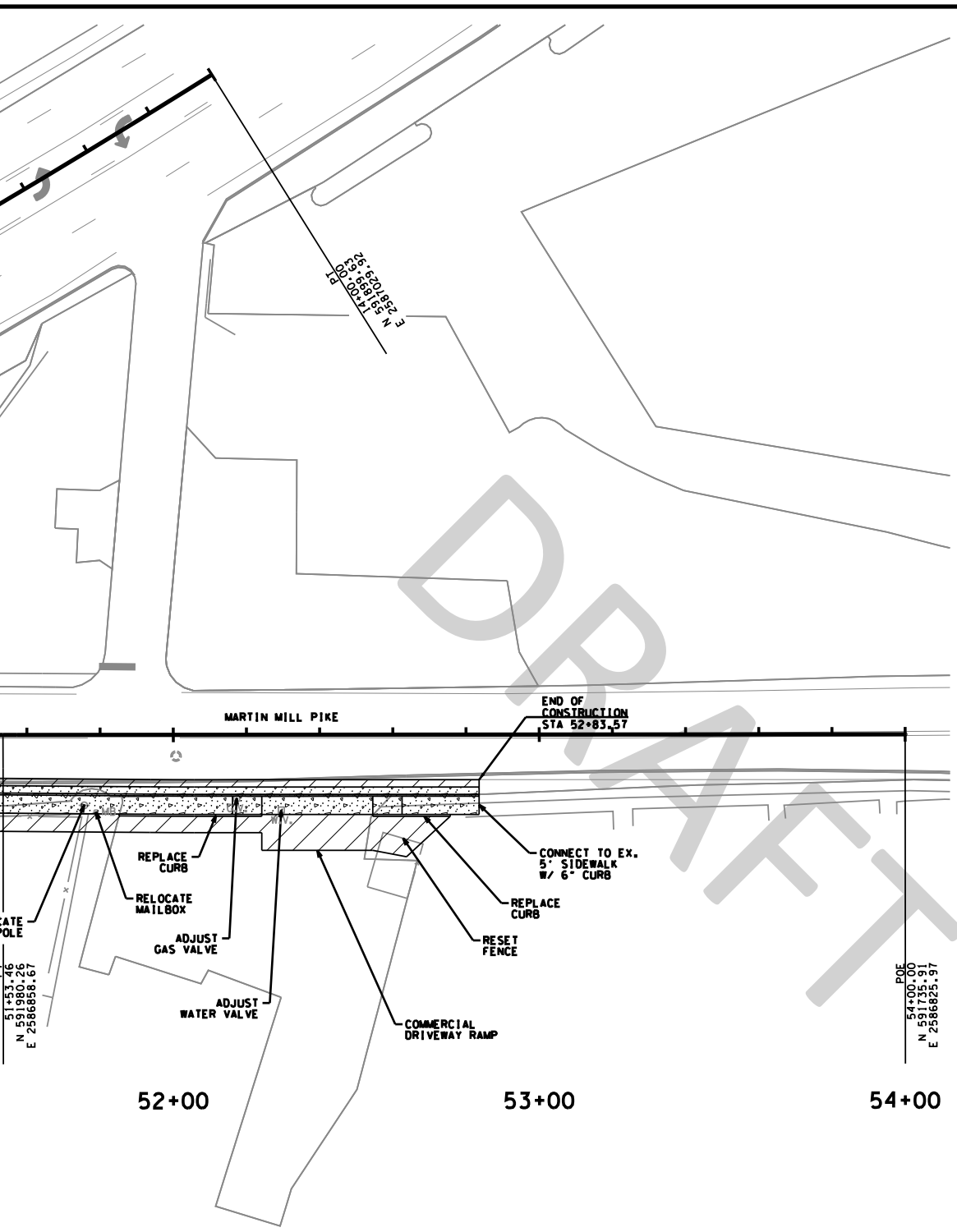

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FILE NO.	OPTION1-2.SHT
DATE:	07-27-2020
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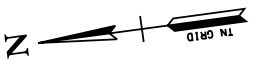

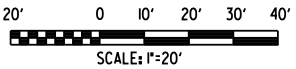

CITY OF KNOXVILLE

PROJECT NO. 43803.00

MARTIN MILL PIKE SIDEWALK IMPROVEMENTS

PROPOSED OPTION 1

SCALE: 1" = 20'

SHEET 4 OF 4

INDEX

SHEET NO.	SHEET NAME
1	TITLE SHEET
2	CONFLICT REVIEW/ COST ESTIMATION
3	PROPOSED OPTION 1 - WITH AERIAL
4	PROPOSED OPTION 1 - NO AERIAL

CITY OF

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SIDEWALK I
AT PATT
(PROJECT LENGTH A

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BEGIN PROJECT STA. 10+00.00

SPECIAL NOTES

PROPOSALS MAY BE REJECTED BY THE CITY TRANSPORTATION ENGINEER IF ANY OF THE UNIT PRICES CONTAINED THEREIN ARE OBVIOUSLY UNBALANCED, EITHER EXCESSIVE OR BELOW THE REASONABLE COST ANALYSIS VALUE.

THIS PROJECT TO BE CONSTRUCTED UNDER THE STANDARD SPECIFICATIONS OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION DATED JANUARY 1, 2015 AND ADDITIONAL SPECIFICATIONS AND SPECIAL PROVISIONS CONTAINED IN THE PLANS AND IN THE PROPOSAL CONTRACT.

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DATE:	06-08-2020
DESIGNED BY:	ZEB
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CHECKED BY:	JSS
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DATE:	
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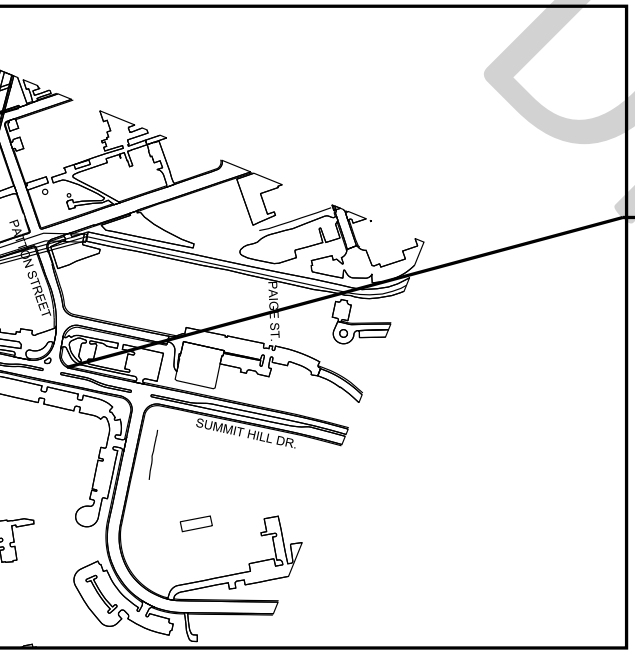
KNOXVILLE

IT HILL DR
MPROVEMENTS
ON STREET
APPROXIMATELY 418 FT)

PROJECT NO. 43803.00
PRELIMINARY DESIGN



DRAFT

CIVIL ENGINEER-
Gresham Smith
2095 LAKESIDE CENTRE WAY, SUITE 120
KNOXVILLE, TENNESSEE, 37922
(865)521-6777 TELEPHONE
CONTACT: SHAP STILES, P.E.

SHEET 1 OF 4

PRELIMINARY DESIGN REVIE

PROJECT NAME: Summit Hill Drive at Patton St.
PROJECT NO: xxx-xxx
DATE: June 8, 2020

OPTIONS	Existing Pavement Width (EOP to EOP)	Proposed Side of Road	Proposed Pavement Width (EOP to EOP)	Proposed Curb and Gutter/ Post Curb	Proposed Sidewalk Width	Proposed Grass Strip Width	Proposed Bicycle Zone	Power Pole Conflicts	Sanitary Sewer Conflicts	Water Valve Hyd Con
Option 1	56'	North	56'	Prop C&G	6'	0'	0'	0	0	0

Sidewalk Length = 100'

Option 1 (Planning Option)
- Follows Planning option: 6' sidewalk, 0' Furnishing Zone, Prop C&G. North side of the road
- Relocate 1 sign

Sidewalk Cost Estimate Collector Avenue Roadways

ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	COST ESTIMATED
105-01.01	Construction stakes, lines, grades	4	HR	$140.00	$560.00
202-03.04	Remove Sidewalk (Concrete)	106	SY	$22.40	$2,374.40
202-08.15	Remove Conc Curb & Gutter (30")	100	LF	$3.07	$307.00
203-01	Road and Drainage Exc (uncl)	7	CY	$50.00	$370.37
203-07	Furnishing & Spreading Topsoil	22	SY	$9.00	$200.00
303-01	Min. Agg. Type A Base, Gr. D	31	TN	$40.00	$1,229.63
307-01.01	Asphalt Concrete Mix (PG64-22) (BPMB-HM) Gradir	5	TON	$110.00	$562.22
307-01.08	Asph. Conc. Mix (PG64-22) B-M2	3	TN	$350.00	$878.89
402-01	Bit. Mat'l. for Prime Coat (PC)	0.0	TN	$600.00	$20.20
402-02	Agg. for Cover Mat'l.	0.1	TN	$20.00	$2.67
403-01	Bit. Mat'l for Tack Coat (TC)	0.0	TN	$2,500.00	$12.03
407-02.13	Remove & Dispose Exist. Asp. .	5	CY	$20.00	$92.59
407-20.05	Saw Cut Asphalt Pavement	100	LF	$4.00	$400.00
411-01.02	Asphalt Concrete Mix Gracing "D"	2	TN	$400.00	$706.67
701-01.01	Concrete Sidewalk (4") (ST-210)	600	SF	$8.00	$4,800.00
701-02.01	Concrete Curb Ramp-6" (ST-320)	288	SF	$33.00	$9,504.00
702-03	Concrete Curb & Gutter (ST-200)	100	LF	$40.00	$4,000.00
712-04.01	Flexible Drums (Channelizing)	3	EA	$30.00	$100.00
712-05.01	Warning Light (Type "A")	3	EA	$30.00	$100.00
712-06	Signs (Construction)	288	SF	$15.00	$4,320.00
712-08.06	Uniformed Policeman	64	HR	$40.00	$2,560.00
716-02.09	Plastic Pavement Marking (Cross-Walk)	110	LF	$55.00	$6,050.00
716-02.05	Plastic Pavement Marking (Stop Line)	12	LF	$30.00	$360.00
740-11.02	Temporary Sediment Tube 12In (Description)	100	LF	$4.00	$400.00
801-01	Seeding (with mulch)	22	SY	$10.00	$222.22
PW-DW-001	Detectable Warnings (Specification 02523) (ST-329	72	SF	$30.00	$2,160.00
SP-7	Permits	4	DAY	$250.00	$1,000.00
SP-10	Furnish and Install Project Signs	2	EA	$750.00	$1,500.00
				Subtotal	**$44,906.52**
			Estimated Cost		**$44,906.52**

W OPTIONS

Meter, e, and rant flicts	Gas Conflicts	Drainage Conflicts	Sign Conflicts	Mailbox Conflicts	Tree and Bush Conflicts	*ROW Req'd.	*Temp. Const. Esmt. Req'd.	Drainage Design Req'd.
0	0	0	1	0	0	no	yes	no

*No. of Properties (x)

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20' 0 10' 20' 30' 40'

SCALE: 1"=20'

SEALED BY

CITY OF KNOXVILLE

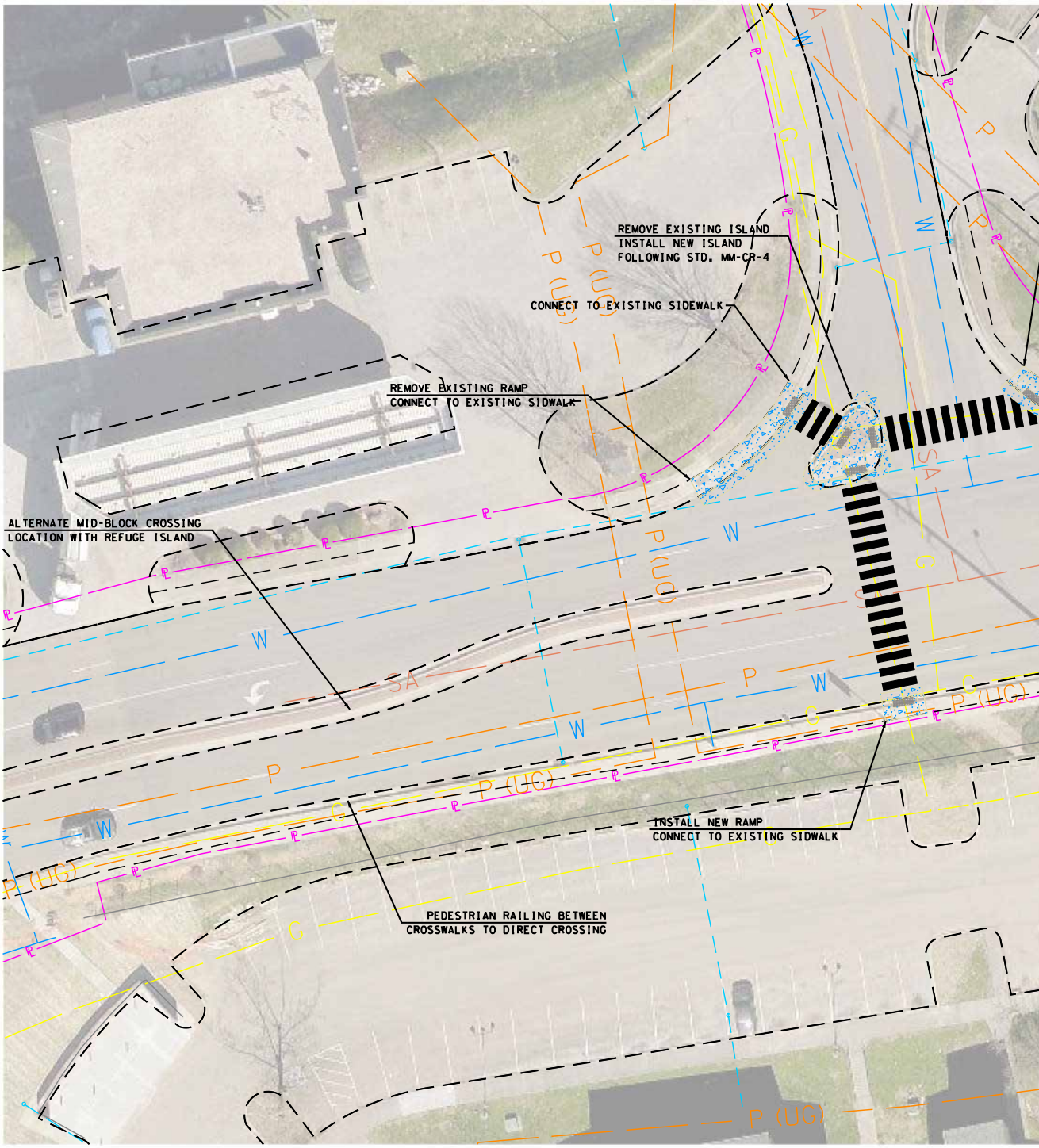
PROJECT NO. 43803.00

SUMMIT HILL DRIVE SIDEWALK IMPROVEMENTS

PROPOSED OPTION 1

SCALE: 1" = 20'

SHEET 2 OF 4



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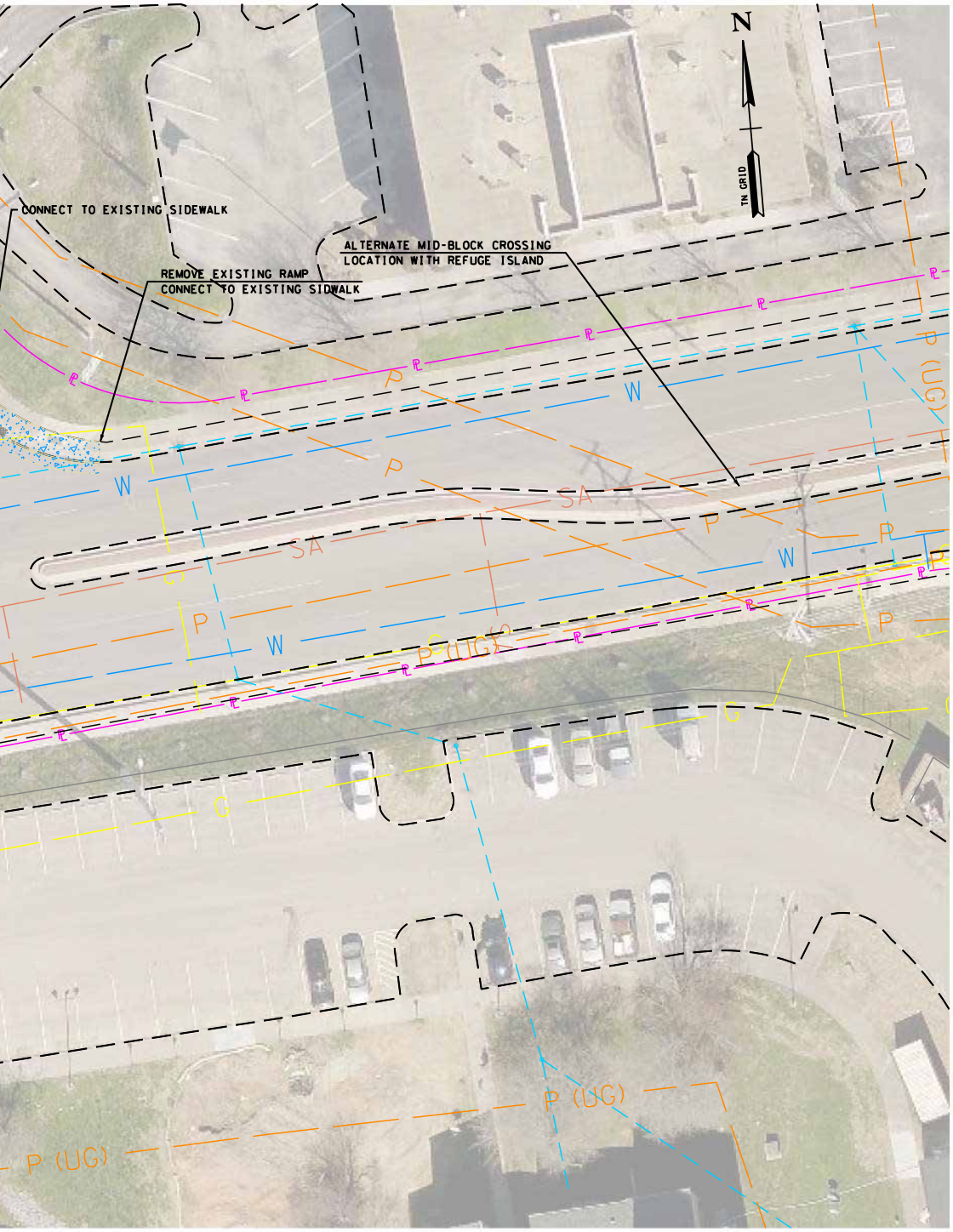
2.FILL LINES AND DRIVEWAY TIE-INS ARE APPROXIMATE AND MAY REQUIRE MORE SPACE THEN SHOWN.
3.RELOCATE ALL MAILBOXES SO THEY REMAIN IN THE FURNISHING ZONE.
4.RELOCATE ALL SIGNS SO THEY REMAIN IN THE FURNISHING ZONE.

LEGEND
CONCRETE



20' 0 10' 20' 30' 40'

SCALE: 1"=20'

FILE NO.	
DATE:	06-08-2020
DESIGNED BY:	ZEB
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CITY OF KNOXVILLE

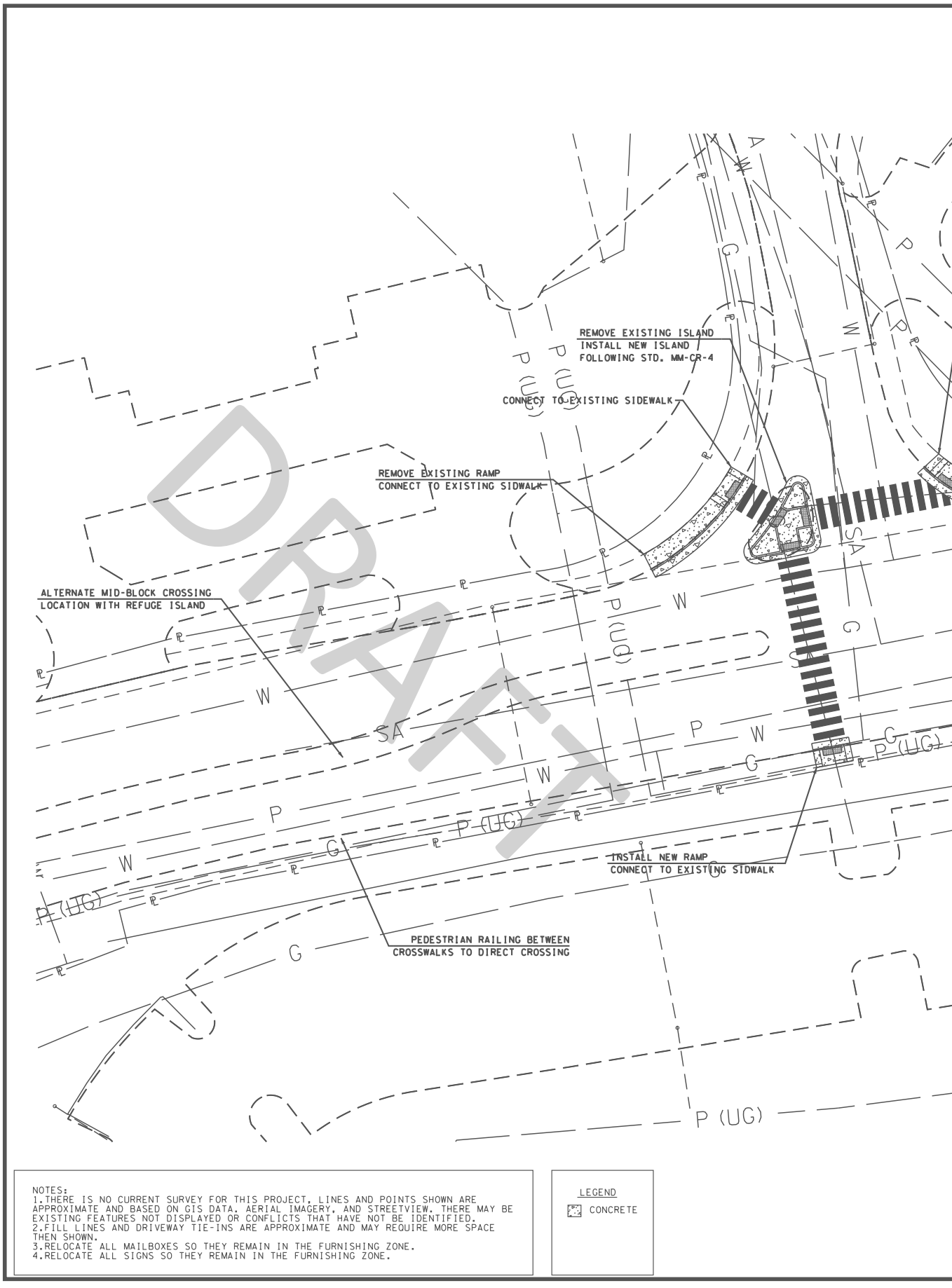
PROJECT NO. 43803.00

SUMMIT HILL DRIVE SIDEWALK IMPROVEMENTS

PROPOSED OPTION 1

SCALE: 1" = 20'

SHEET 3 OF 4


REMOVE EXISTING ISLAND
INSTALL NEW ISLAND
FOLLOWING STD. MM-CR-4
CONNECT TO EXISTING SIDEWALK
REMOVE EXISTING RAMP
CONNECT TO EXISTING SIDWALK
ALTERNATE MID-BLOCK CROSSING
LOCATION WITH REFUGE ISLAND
INSTALL NEW RAMP
CONNECT TO EXISTING SIDWALK
PEDESTRIAN RAILING BETWEEN
CROSSWALKS TO DIRECT CROSSING
P (UG)
NOTES:
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LEGEND
CONCRETE

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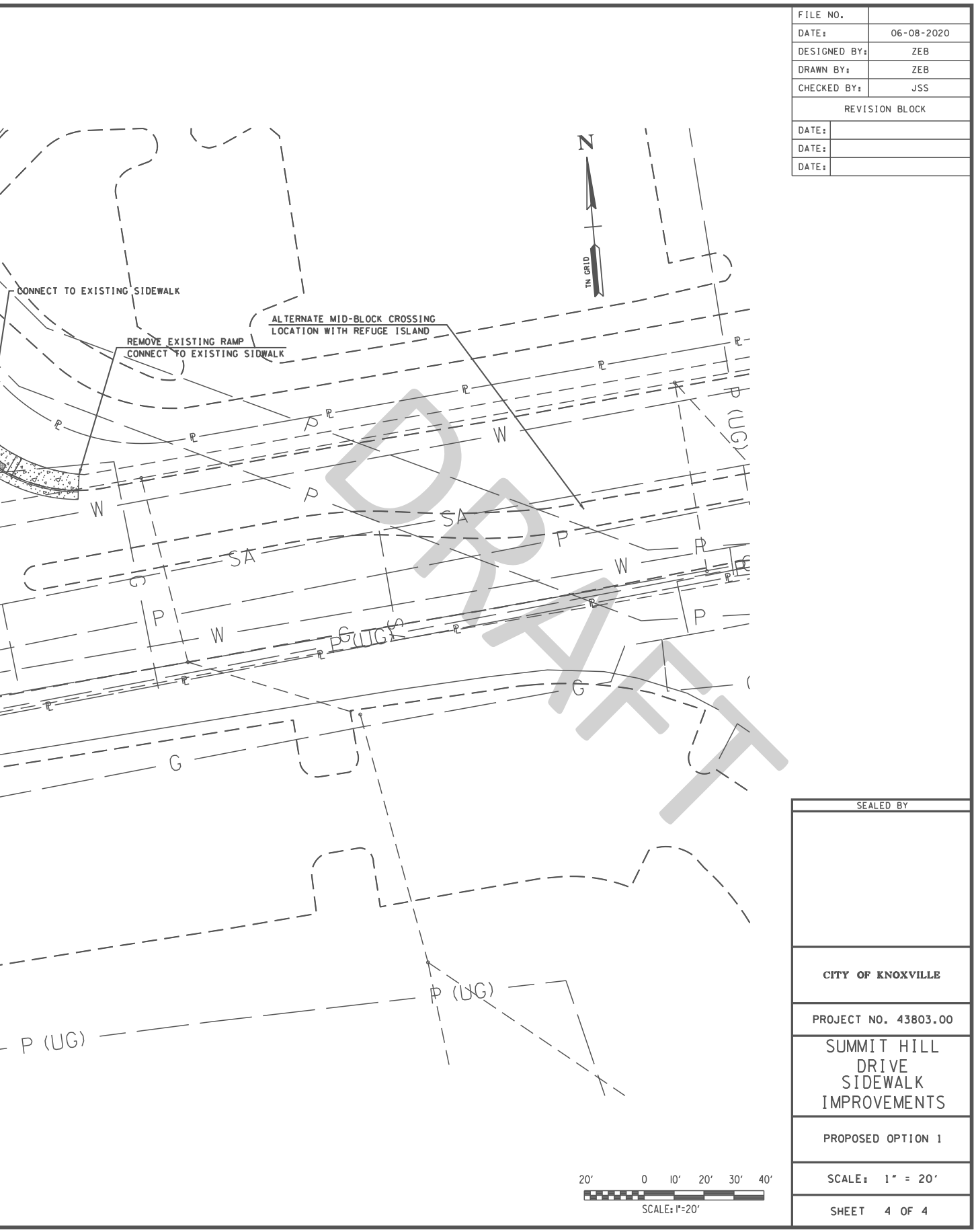

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CITY OF KNOXVILLE

PROJECT NO. 43803.00

SUMMIT HILL DRIVE SIDEWALK IMPROVEMENTS

PROPOSED OPTION 1

SCALE: 1" = 20'

SHEET 4 OF 4

INDEX

SHEET NO.	SHEET NAME
1	TITLE SHEET & INDEX
2	DESIGN SUMMARY AND CONSTRUCTION ESTIMATE
3-5	PROPOSED OPTION 1
6-8	PROPOSED OPTION 1- NO AERIAL

CITY OF

NADIN
SIDEWALK
FROM COKER A
(PROJECT LENGTH A

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SPECIAL NOTES

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BOARD, FEDERAL REGISTER 36CFR PART 1191,
ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES;
ARCHITECTURAL BARRIERS ACT (ABA) ACCESSIBILITY GUIDEL
PROPOSED RULE, PUBLISHED IN THE FEDERAL REGISTER ON
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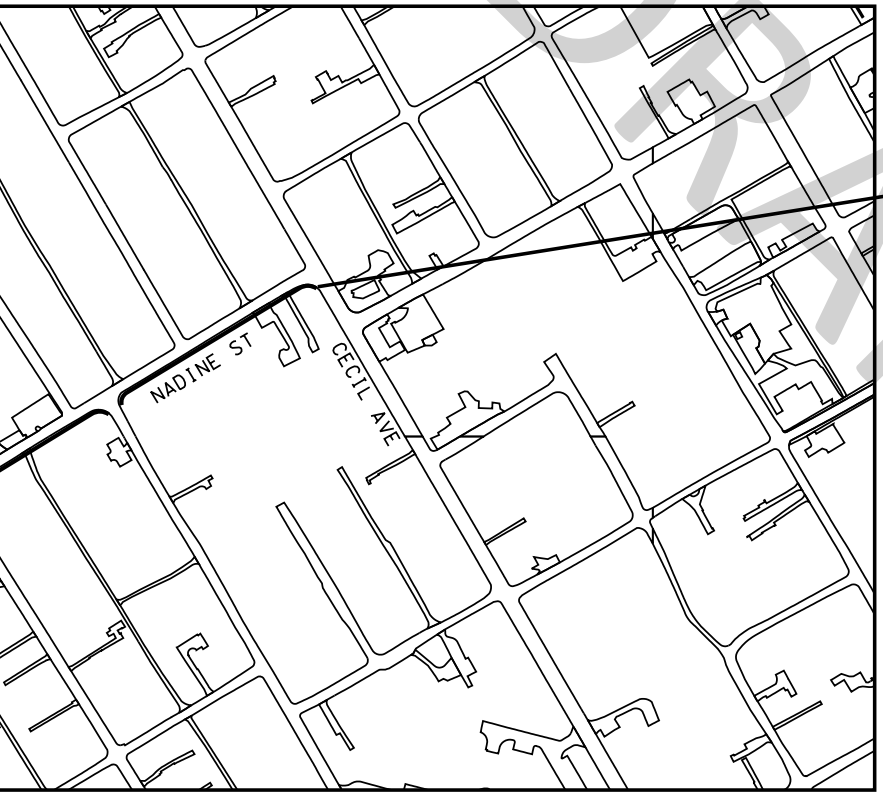
PROJECT NO. 43803.00
PRELIMINARY DESIGN

KNOXVILLE

E STREET
IMPROVEMENTS
AVE TO CECIL AVE
APPROXIMATELY 1,317 FT)



CALE: 1"=200'

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FULL
(ADA)
MPLIANCE

LINES:
N

CIVIC
ENGINEERING | TECHNOLOGY | PROGRESS
25 LINDSLEY AVENUE, NASHVILLE, TN 37210
(615) 425-2000

Sheet 1 of 8

PRELIMINARY DESIGN REVIEW OPTIONS

PROJECT NAME: Nadine Street from Coker Ave to Cecil Ave
PROJECT NO: 43803.00
DATE: July 27, 2020

OPTIONS	Existing Pavement Width (EOP to EOP)	Proposed Side of Road	Proposed Pavement Width (EOP to EOP)	Proposed Curb and Gutter/ Post Curb	Proposed Sidewalk Width	Proposed Grass Strip Width	Proposed Bicycle Zone	Power Pole Conflicts	Water Meter, Valve, and Hydrant Conflicts
Option 1	23'-26'	West	25'-28'	Prop C&G	5'	2'	none	6+	9

Sidewalk Length = 1,373 LF

Option 1

- Install 5' sidewalk, 2' Furnishing Zone, and C&G along the southwest side of the roadway
- Layout was not based on survey, so the number of conflicts and the design is subject to change. Cut/fill and driveway tie-in lengths are an approximation
- Relocate driveway of 1722 Coker Ave uphill, commercial driveway slope must be met
- Retaining wall will be required at various spots along Nadine Street
- Install crosswalk across Nadine Street at Fine Ave intersection and potentially create a 3-way stop condition
- Potential water meter, sanitary cleanout, water service line, and sanitary service line adjustments on each property
- Relocate 5 water meters and 1 fire hydrant; adjust 3 water valves
- Relocate 1 and adjust 1 gas valves
- There are at least 10 utility poles which might be able to fit within the furnishing zone, if design cannot be achieved some many need to be relocated
- Relocate at least 4 utility poles and 2 guy wires
- Relocate 4 signs
- Relocate 1 mailbox
- Full closed drainage system will be required. Add culvert extentions to existing culverts and remove some existing driveway culverts
- Tree, brush, and vegetation impacts along project

Local Roads Sidewalk Estimate ($/lf)	Percent/Length	Cost/lf
Sidewalks - Local Roadways	100%	$335
Drainage	100%	$287
Retaining Wall 10%	10%	$79
Contingency 15%	15%	
Engineering/CEI 25%	25%	
RoW - Residential Roadways 90%	50%	$3
RoW - Commercial Local Roadways 10%	50%	$8
Easement - Local Roads	100%	$20
Damages - Local Roads	100%	$10
Appra sal/closing	100%	$13
Project length		**1373**
Estimated Cost:		**$1,460,000**
Cost/lf:		**$1,063**
Sidewalks - Local Roadways		$460,362
Drainage		$394,051
Retaining Wall 10%		$108,467
Sub-Total Construction Costs:		**$963,000**
Contingency 15%		**$145,000**
Total Construction Costs:		**$1,108,000**
Engineering/CEI 25%		**$277,000**
RoW - Residential Roadways 90%		$4,119
RoW - Commercial Local Roadways 10%		$10,984
Easement - Local Roads		$27,460
Damages - Local Roads		$13,730
Appraisal/closing		$17,849
RoW & Easement Acquisition/Damages/Appraisals		**$75,000**

Sidewa

ITEM
105-01.
203-0
203-0
303-0
307-01.
307-01.
402-0
402-0
403-0
407-02.
407-20.
411-01.
502-04.
604-01.
604-01.
701-01.
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712-04.
712-05.
712-0
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712-08.
716-02.
716-02.
740-11.
801-0
802-08.
PW-DW-
SP-7
SP-1
WS-2

FILE NO.	ESTIMATE.SHT
DATE:	07-27-2020
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DATE:	
DATE:	

Gas Conflicts	Sign Conflicts	Mailbox Conflicts	*ROW Req'd.	*Temp. Const. Esmt. Req'd.	Drainage Design Req'd.
2	4	1	yes (2)	yes (12)	yes

*No. of Approximate Properties (x)

alk Cost Estimate Local Roadways

	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	COST ESTIMATED
01	Construction stakes, lines, grades	55	HR	$140.00	$7,688.80
1	Road and Drainage Exc (uncl)	1,017	CY	$50.00	$50,851.85
7	Furnishing & Spreading Topsoil	1,831	SY	$9.00	$16,476.00
1	Min. Agg. Type A Base, Gr. D	405	TN	$40.00	$16,204.79
01	Asphalt Concrete Mix (PG64-22) (BPMB-HM) Grading A	70	TON	$110.00	$7,719.31
08	Asph. Conc. Mix (PG64-22) B-M2	34	TN	$350.00	$12,067.14
1	Bit. Mat'l. for Prime Coat (PC)	0.5	TN	$600.00	$277.37
2	Agg. for Cover Mat'l.	1.8	TN	$20.00	$36.61
1	Bit. Mat'l for Tack Coat (TC)	0.1	TN	$2,500.00	$165.10
13	Remove & Dispose Exist. Asp..	64	CY	$20.00	$1,271.30
05	Saw Cut Asphalt Pavement	1,373	LF	$4.00	$5,492.00
02	Asphalt Concrete Mix Grading "D"	24	TN	$400.00	$9,702.53
01	Saw Cut Conc. (0-8")	154	LF	$15.00	$2,310.00
01	Class "A" Concrete	1	CY	$720.00	$1,028.70
02	Steel Bar Reinforcement (Rdwy)	357	LB	$2.00	$714.37
01	Concrete Sidewalk (4") (ST-210)	5,535	SF	$8.00	$44,280.00
02	Conc. Driveway (6")(w/WWM) (ST-322)	3,319	SF	$11.00	$36,508.78
01	Concrete Curb Ramp-6" (ST-320)	1,192	SF	$33.00	$39,347.29
02	Concrete Driveway 8"(w/ wire mesh) (ST-324)	391	SF	$11.00	$4,301.22
3	Concrete Curb & Gutter (ST-200)	1,373	LF	$40.00	$54,920.00
01	Flexible Drums (Channelizing)	46	EA	$30.00	$1,373.00
01	Warning Light (Type "A")	46	EA	$30.00	$1,373.00
6	Signs (Construction)	672	SF	$15.00	$10,080.00
03	Temporary Barricades, Type III	144	LF	$17.00	$2,448.00
06	Uniformed Policeman	879	HR	$40.00	$35,148.80
09	Plastic Pavement Marking (Cross-Walk)	578	LF	$55.00	$31,795.79
05	Plastic Pavement Marking (Stop Line)	289	LF	$30.00	$8,671.58
02	Temporary Sediment Tube 12In (Description)	1,373	LF	$4.00	$5,492.00
1	Seeding (with mulch)	1,831	SY	$10.00	$18,306.67
04	Tree Removal	168	IN	$50.00	$8,400.00
001	Detectable Warnings (Specification 02523) (ST-329, ST-330)	70	SF	$30.00	$2,100.00
	Permits	55	DAY	$250.00	$13,750.00
0	Furnish and Install Project Signs	2	EA	$750.00	$1,500.00
	Adj. of Water Meters (0-2')	14	EA	$500.00	$7,000.00
				Estimated Sidewalk Construction Cost	**$460,362.24**
				Estimated Cost per Linear Foot	**$335.30**

CITY OF KNOXVILLE

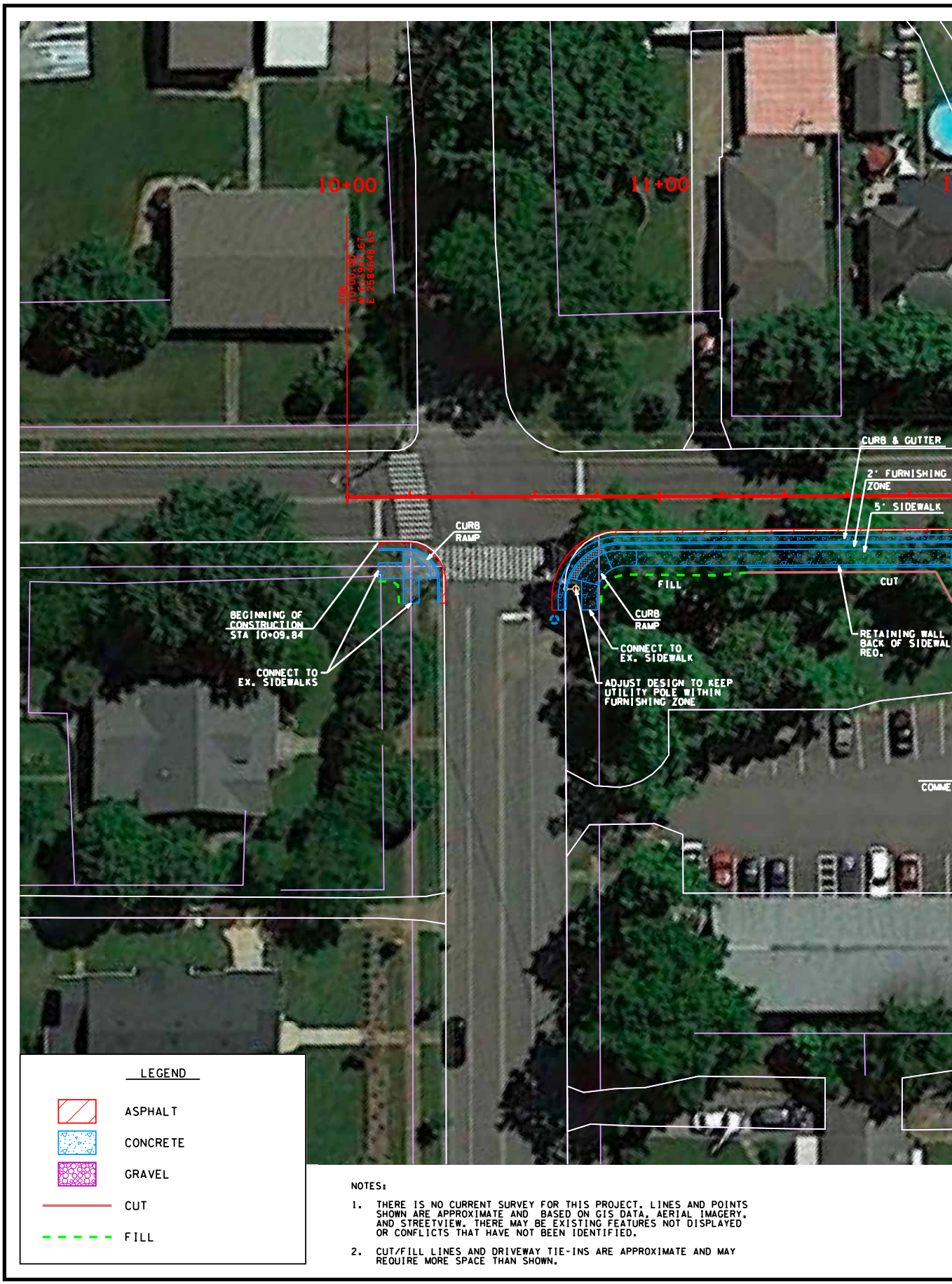
PROJECT NO. 43803.00

NADINE STREET SIDEWALK IMPROVEMENTS

CONSTRUCTION ESTIMATE

SCALE: N.T.S.

SHEET 2 OF 8


10+00
11+00
CURB & GUTTER
2' FURNISHING ZONE
5' SIDEWALK
CURB RAMP
FILL
CUT
CURB RAMP
BEGINNING OF CONSTRUCTION STA 10+09.84
CONNECT TO EX. SIDEWALKS
CONNECT TO EX. SIDEWALK
ADJUST DESIGN TO KEEP UTILITY POLE WITHIN FURNISHING ZONE
RETAINING WALL BACK OF SIDEWAL REQ.
LEGEND
ASPHALT
CONCRETE
GRAVEL
CUT
FILL
NOTES:
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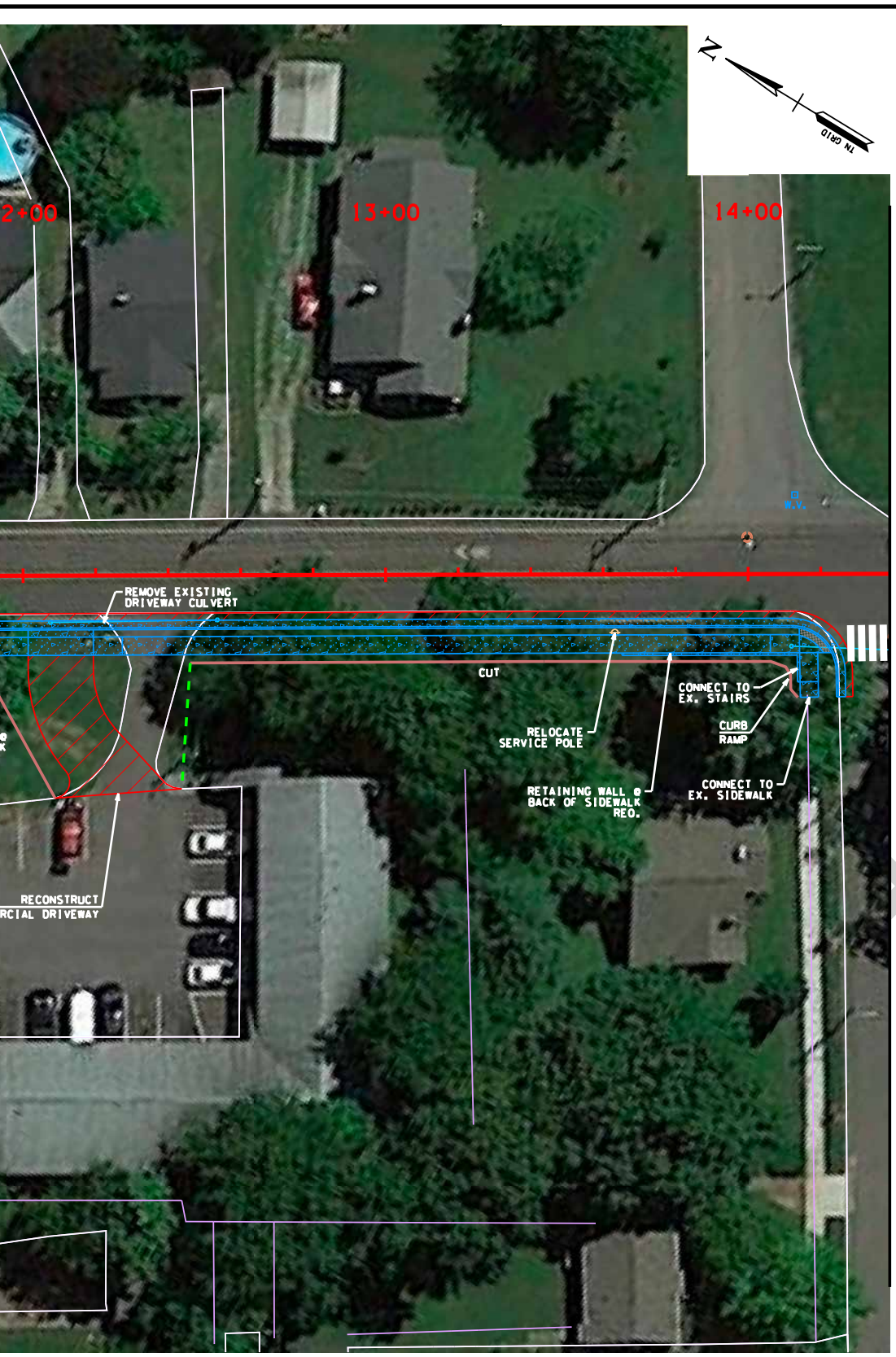

FILE NO.	OPTION1-1.SHT
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CHECKED BY:	JDB
REVISION BLOCK	
DATE:	
DATE:	
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CITY OF KNOXVILLE

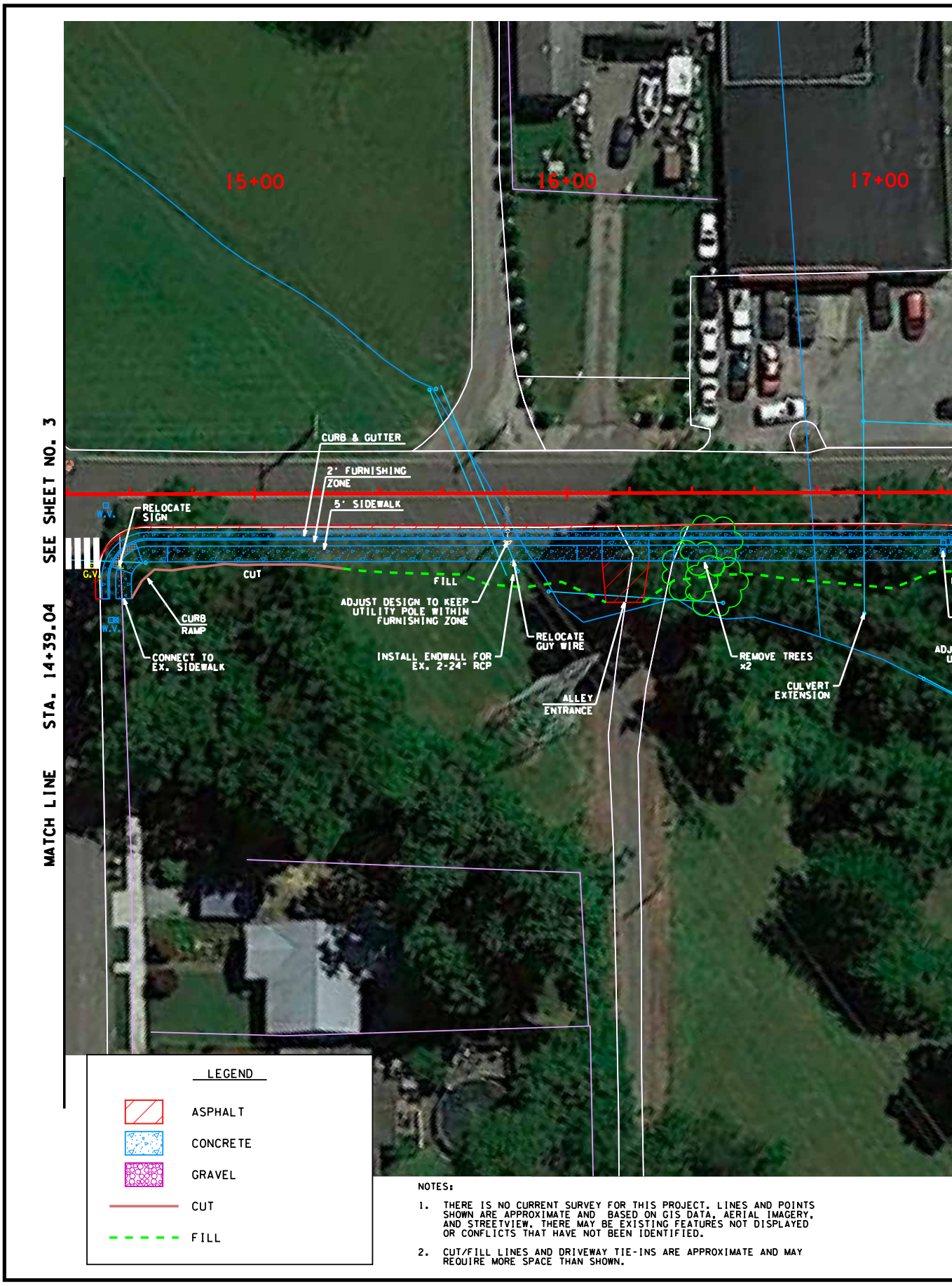
PROJECT NO. 43803.00

NADINE STREET SIDEWALK IMPROVEMENTS

PROPOSED OPTION 1

SCALE: 1" = 20'

SHEET 3 OF 8


15+00
16+00
17+00
MATCH LINE STA. 14+39.04 SEE SHEET NO. 3
CURB & GUTTER
2' FURNISHING ZONE
5' SIDEWALK
RELOCATE SIGN
W.V.
G.V.
CUT
FILL
ADJUST DESIGN TO KEEP UTILITY POLE WITHIN FURNISHING ZONE
CURB RAMP
CONNECT TO EX. SIDEWALK
INSTALL ENDWALL FOR EX. 2-24" RCP
RELOCATE GUY WIRE
REMOVE TREES x2
CULVERT EXTENSION
ALLEY ENTRANCE
LEGEND
ASPHALT
CONCRETE
GRAVEL
CUT
FILL
NOTES:
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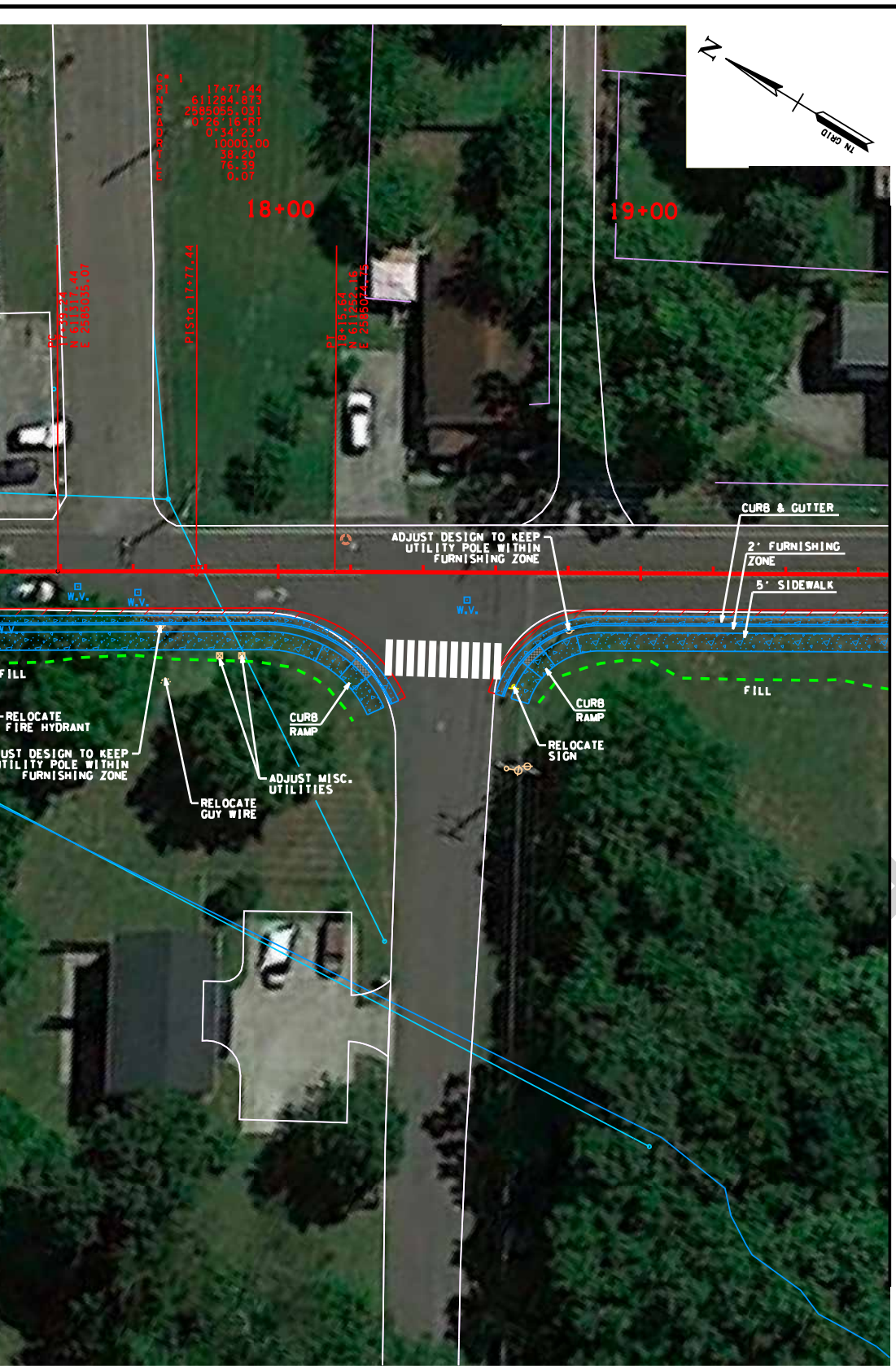
2. CUT/FILL LINES AND DRIVEWAY TIE-INS ARE APPROXIMATE AND MAY REQUIRE MORE SPACE THAN SHOWN.



FILE NO.	OPTION1-2.SHT
DATE:	07-27-2020
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REVISION BLOCK	
DATE:	
DATE:	
DATE:	

CITY OF KNOXVILLE

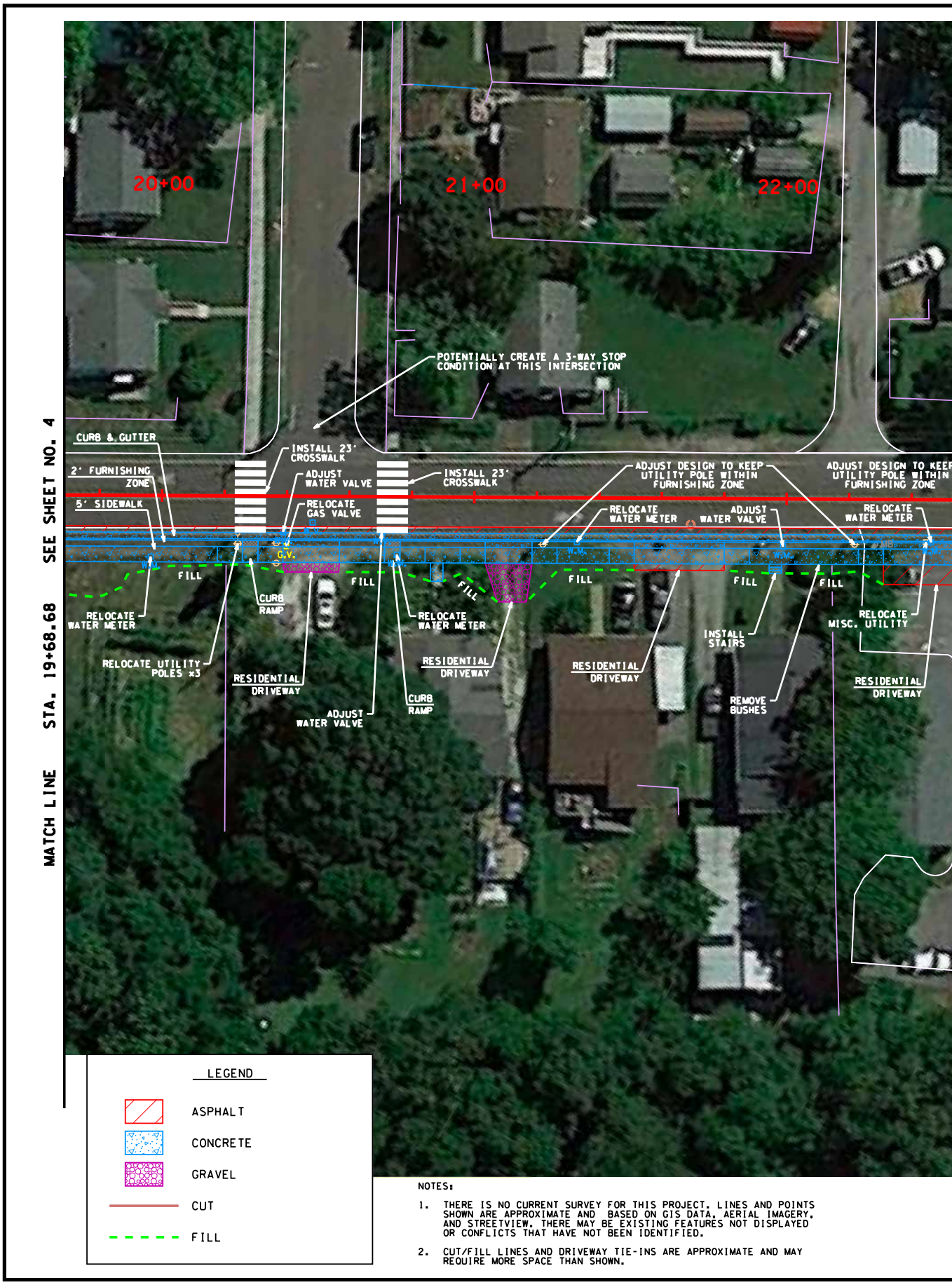
PROJECT NO. 43803.00

NADINE STREET SIDEWALK IMPROVEMENTS

PROPOSED OPTION 1

SCALE: 1" = 20'

SHEET 4 OF 8


20+00
21+00
22+00
POTENTIALLY CREATE A 3-WAY STOP CONDITION AT THIS INTERSECTION
CURB & GUTTER
2' FURNISHING ZONE
5' SIDEWALK
INSTALL 23' CROSSWALK
ADJUST WATER VALVE
RELOCATE GAS VALVE
INSTALL 23' CROSSWALK
ADJUST DESIGN TO KEEP UTILITY POLE WITHIN FURNISHING ZONE
RELOCATE WATER METER
ADJUST WATER VALVE
ADJUST DESIGN TO KEEP UTILITY POLE WITHIN FURNISHING ZONE
RELOCATE WATER METER
G.V.
FILL
FILL
FILL
FILL
FILL
FILL
RELOCATE WATER METER
RELOCATE UTILITY POLES x3
CURB RAMP
RESIDENTIAL DRIVEWAY
ADJUST WATER VALVE
CURB RAMP
RELOCATE WATER METER
RESIDENTIAL DRIVEWAY
RESIDENTIAL DRIVEWAY
INSTALL STAIRS
REMOVE BUSHES
RELOCATE MISC. UTILITY
RESIDENTIAL DRIVEWAY
MATCH LINE STA. 19+68.68 SEE SHEET NO. 4
LEGEND
ASPHALT
CONCRETE
GRAVEL
CUT
FILL
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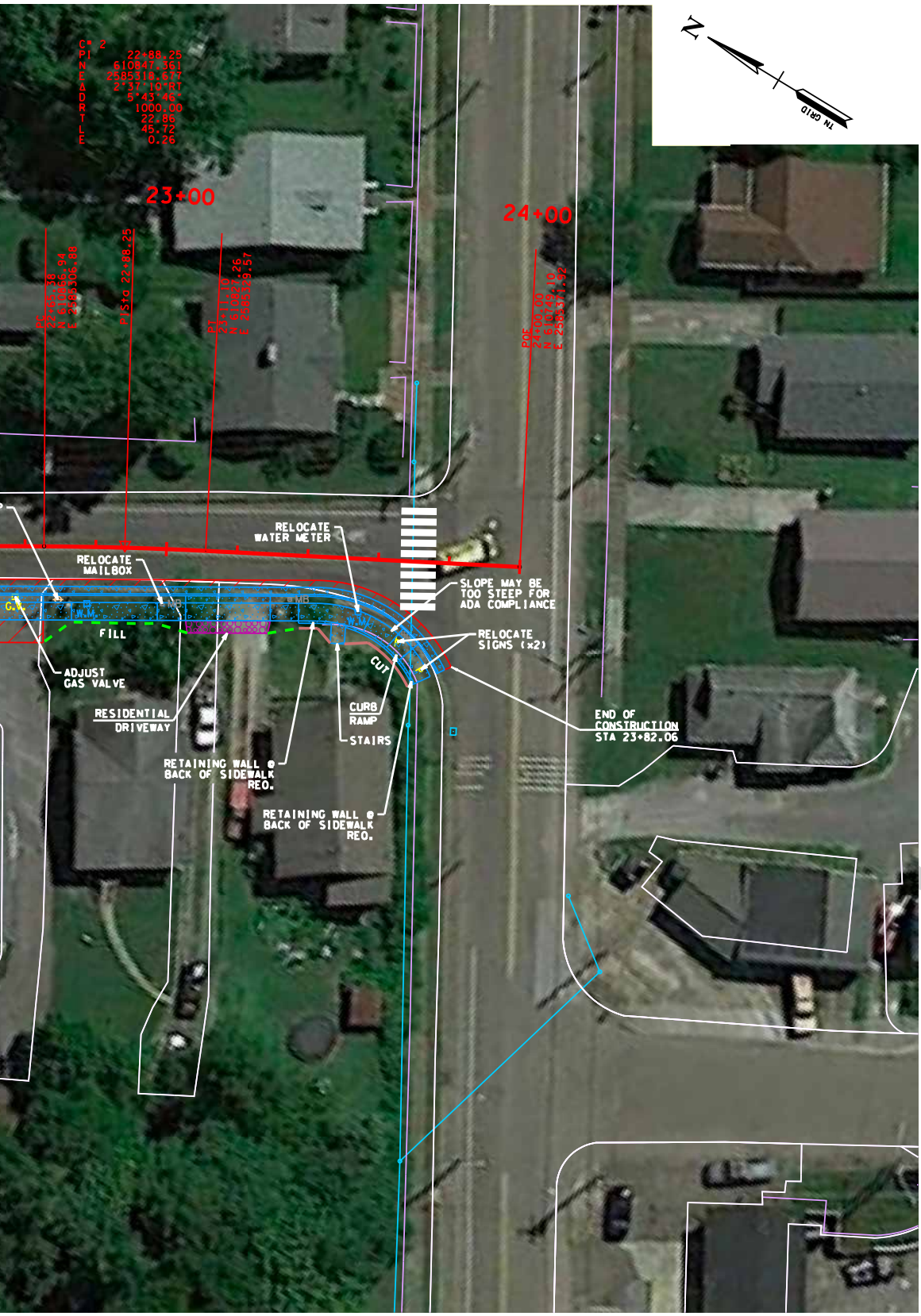

FILE NO.	OPTION1-3.SHT
DATE:	07-27-2020
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REVISION BLOCK	
DATE:	
DATE:	
DATE:	

CITY OF KNOXVILLE

PROJECT NO. 43803.00

NADINE STREET SIDEWALK IMPROVEMENTS

PROPOSED OPTION 1

SCALE: 1" = 20'

SHEET 5 OF 8

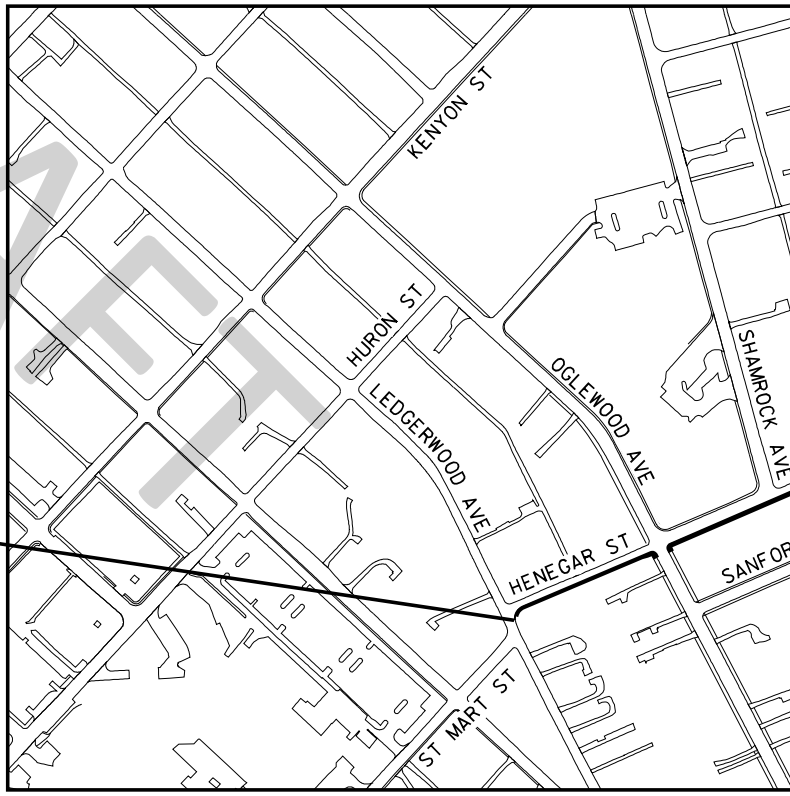
INDEX

SHEET NO.	SHEET NAME
1	TITLE SHEET & INDEX
12	DESIGN SUMMARY AND CONSTRUCTION ESTIMATE
3-6	PROPOSED OPTION 1
7-10	PROPOSED OPTION 1- NO AERIAL
11-12	PROPOSED DRIVEWAY PROFILES

CITY OF

HENE
SIDEWALK
FROM LEDGERWOOD
(PROJECT LENGTH A

DRAFT



BEGIN PROJECT STA 10+10.62

SC

SPECIAL NOTES

PROPOSALS MAY BE REJECTED IF ANY OF THE UNIT PRICES CONTAINED THEREIN ARE OBVIOUSLY UNBALANCED, EITHER EXCESSIVE OR BELOW THE REASONABLE COST ANALYSIS VALUE.

THIS PROJECT TO BE CONSTRUCTED UNDER THE STANDARD SPECIFICATIONS OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION DATED JANUARY 1, 2015, AND ADDITIONAL SPECIFICATIONS AND SPECIAL PROVISIONS CONTAINED IN THE PLANS AND IN THE CONTRACT.

ALL CONSTRUCTION ACTIVITIES SHALL BE COMPLETED IN F
COMPLIANCE WITH THE AMERICANS WITH DISABILITIES ACT
AND ARCHITECTURAL AND TRANSPORTATION BARRIERS COM
BOARD, FEDERAL REGISTER 36CFR PART 1191,
ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES;
ARCHITECTURAL BARRIERS ACT (ABA) ACCESSIBILITY GUIDEL
PROPOSED RULE, PUBLISHED IN THE FEDERAL REGISTER ON
SEPTEMBER 15, 2010, AS HAS BEEN ADOPTED BY METRO.

KNOXVILLE

FILE NO.	COVER.SHT
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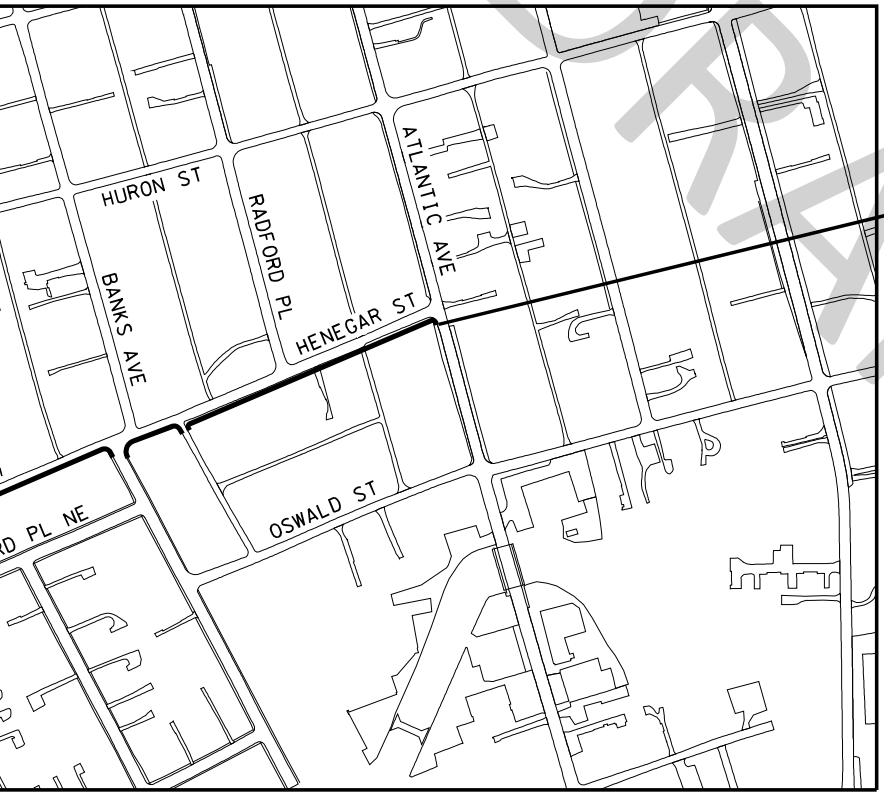
PROJECT NO. 43803.00
PRELIMINARY DESIGN

EGAR ST
IMPROVEMENTS
AVE TO ATLANTIC AVE
PPROXIMATELY 1,737 FT)



END PROJECT STA 27+47.57

CALE: 1"=200'

DRAFT

FULL
(ADA)
MPLIANCE

LINES:
N

CIVIC
ENGINEERING | TECHNOLOGY | PROGRESS
25 LINDSLEY AVENUE, NASHVILLE, TN 37210
(615) 425-2000

Sheet 1 of 12

PRELIMINARY DESIGN REVIEW OPTIONS

PROJECT NAME: Henegar Street from Ledgerwood Ave to Atlantic Ave
PROJECT NO: 43803.00
DATE: June 9, 2020

OPTIONS	Existing Pavement Width (EOP to EOP)	Proposed Side of Road	Proposed Pavement Width (EOP to EOP)	Proposed Curb and Gutter/ Post Curb	Proposed Sidewalk Width	Proposed Grass Strip Width	Proposed Bicycle Zone	Power Pole Conflicts
Option 1	16'-28'	South	15.5'-27'	Prop C&G	5'	0'-2'	none	10

Sidewalk Length = 1,737 LF

Option 1

- Install 5' sidewalk, 2' furnishing zone, and C&G along the east side of the roadway
- The west side was investigated, but it was determined the east side was more feasable due to utility impacts, spacing, constructability, and pede
- Layout was not based on survey, so the number of conflicts and the design is subject to change. Cut/fill and driveway tie-in lengths are an approxi
- From Ledgerwood Ave to Oglewood Ave sidewalk may not be feasible. Roadway width is only 16' and there is not much offset off of the roadway
- Potential water meter, sanitary cleanout, water service line, and sanitary service line adjustments on each property
- Relocate 10 utility poles
- Proposed drainage design most likely necessary to deal with roadway spreads
- Replace 4 drainage castings, replace 1 structure, and work proposed drainage systems into existing infrastructure
- Adjust 2 and relocate 2 miscellaneous utility boxes
- Remove or reset approximately 970 LF of residential fencing
- Potential tree and brush impacts along length of the project

Arterial Boulevard Sidewalk Estimate ($/lf)	Percent/Length	Cost/lf
Sidewalks - Arterial Roadways	100%	$317
Drainage	89%	$256
Retaining Wall 30%	20%	$158
Contingency 10%	10%	
Engineering/CEI 25%	25%	
RoW - Residential Roadways	100%	$5
RoW - Commercial Arterial Boulevard Roadways Urban	0%	$0
Easement - Arterial Boulevard Urban	100%	$40
Damages - Arterial Boulevards Urban	100%	$25
Appraisal/closing	100%	$13
	Project length	**1,737**
	Estimated Cost:	**$1,517,000**
	Cost/lf:	**$873**
	Sidewalks - Arterial Roadways	$551,351
	Drainage	$444,672
	Retaining Wall 30%	$32
	Sub-Total Construction Costs:	**$997,000**
	Contingency 10%	**$100,000**
	Total Construction Costs:	**$1,097,000**
	Engineering/CEI 25%	**$275,000**
	RoW - Residential Roadways	$8,685
	RoW - Commercial Arterial Boulevard Roadways Urban	$0
	Easement - Arterial Boulevard Urban	$69,480
	Damages - Arterial Boulevards Urban	$43,425
	Appraisal/closing	$22,581
	RoW & Easement Acquisition/Damages/Appraisals	**$145,000**

Sidewalk C

ITEM	
105-01.01	C
203-01	F
203-07	F
303-01	M
307-01.01	A
307-01.08	A
402-01	E
402-02	A
403-01	E
407-02.13	F
407-20.05	S
411-01.02	A
502-04.01	S
701-01.01	C
701-01.02	C
701-02.01	C
702-03	C
707-06.05	F
712-04.01	F
712-05.01	W
712-06	S
712-07.03	T
712-08.06	U
716-02.09	P
716-02.05	P
716-12.01	E
740-11.02	T
801-01	S
802-08.04	T
PW-DW-001	D
SP-7	F
SP-10	F
WS-2	A

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Drainage Conflicts	Sign Conflicts	*ROW Req'd.	*Temp. Const. Esmt. Req'd.	Drainage Design Req'd.
5	2	yes (17)	yes (21)	yes

*No. of Approximate Properties (x)

strian navigation
mation
. Retaining wall will be needed but there may not be enough space

Cost Estimate Arterial Boulevard Roadways

DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	COST ESTIMATED
Construction stakes, lines, grades	69	HR	$140 00	$9,727.20
Road and Drainage Exc (uncl)	1,287	CY	$50 00	$64,333.33
Furnishing & Spreading Topsoil	2,316	SY	$9 00	$20,844.00
Min. Agg. Type A Base, Gr. D	513	TN	$40 00	$20,500.89
Asphalt Concrete Mix (PG64-22) (BPMB-HM) Grading A	89	TON	$110 00	$9,765.80
Asph. Conc. Mix (PG64-22) B-M2	44	TN	$350 00	$15,266.30
Bit. Mat'l. for Prime Coat (PC)	0.6	TN	$600 00	$350.91
Agg. for Cover Mat'l.	2.3	TN	$20 00	$46.32
Bit. Mat'l for Tack Coat (TC)	0.1	TN	$2,500 00	$208.87
Remove & Dispose Exist. Asp. .	80	CY	$20 00	$1,608.33
Saw Cut Asphalt Pavement	1,737	LF	$4 00	$6,948.00
Asphalt Concrete Mix Grading "D"	31	TN	$400 00	$12,274.80
Saw Cut Conc. (0-8")	223	LF	$15 00	$3,345.00
Concrete Sidewalk (4") (ST-210)	6,770	SF	$8 00	$54,160.00
Conc. Driveway (6")(w/WWM) (ST-322)	4,834	SF	$11 00	$53,169.81
Concrete Curb Ramp-6" (ST-320)	990	SF	$33 00	$32,670.00
Concrete Curb & Gutter (ST -200)	1,737	LF	$40 00	$69,480.00
Remove & Reset Exist Fence and Posts (5' height)	970	LF	$0 56	$543.20
Flexible Drums (Channelizing)	58	EA	$30 00	$1,737.00
Warning Light (Type "A")	58	EA	$30 00	$1,737.00
Signs (Construction)	672	SF	$15 00	$10,080.00
Temporary Barricades, Type III	144	LF	$17 00	$2,448.00
Uniformed Policeman	1,112	HR	$40 00	$44,467.20
Plastic Pavement Marking (Cross-Walk)	480	LF	$55 00	$26,400.00
Plastic Pavement Marking (Stop Line)	240	LF	$30 00	$7,200.00
Enhanced Flat Thermoplastic 4" Pavement Marking	0.3	LM	$6,000 00	$1,973.86
Temporary Sediment Tube 12In (Description)	1,737	LF	$4 00	$6,948.00
Seeding (with mulch)	2,316	SY	$10 00	$23,160.00
Tree Removal	360	IN	$50 00	$18,000.00
Detectable Warnings (Specification 02523) (ST-329, ST-330)	100	SF	$30 00	$3,000.00
Permits	70	DAY	$250 00	$17,500.00
Furnish and Install Project Signs	2	EA	$750 00	$1,500.00
Adj. of Water Meters (0-2')	21	EA	$500 00	$10,500.00
			Estimated Construction Cost	**$551,893.83**
			Estimated Cost per Linear Foot	**$317.73**

CITY OF KNOXVILLE

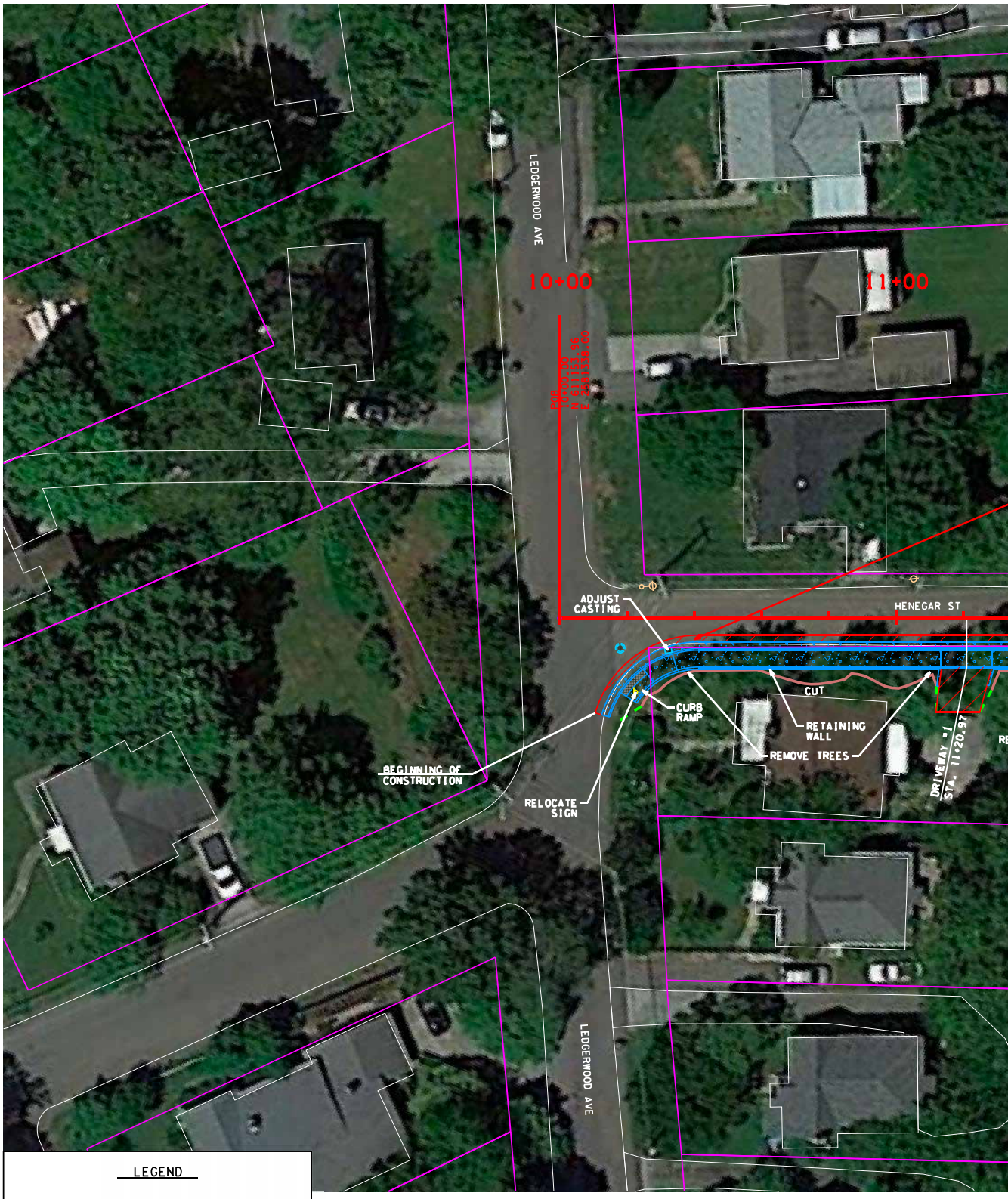
PROJECT NO. 43803.00

HENEGAR STREET SIDEWALK IMPROVEMENTS

CONSTRUCTION ESTIMATE

SCALE: HORIZ 1" = 20'
VERT 1" = 2'

SHEET 2 OF 12



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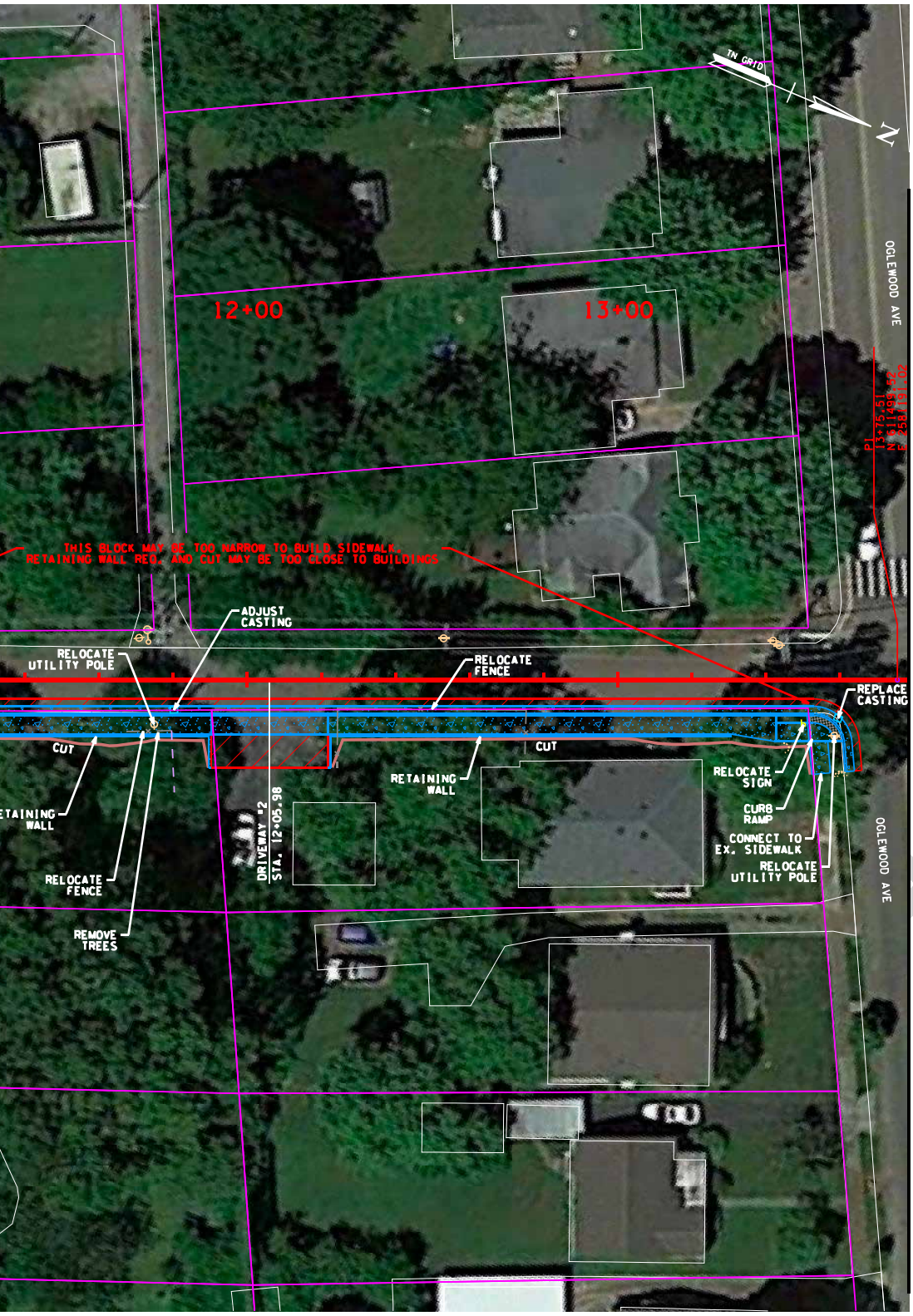
3. RELOCATE ALL SIGNS SO THEY REMAIN IN THE FURNISHING ZONE.



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CITY OF KNOXVILLE

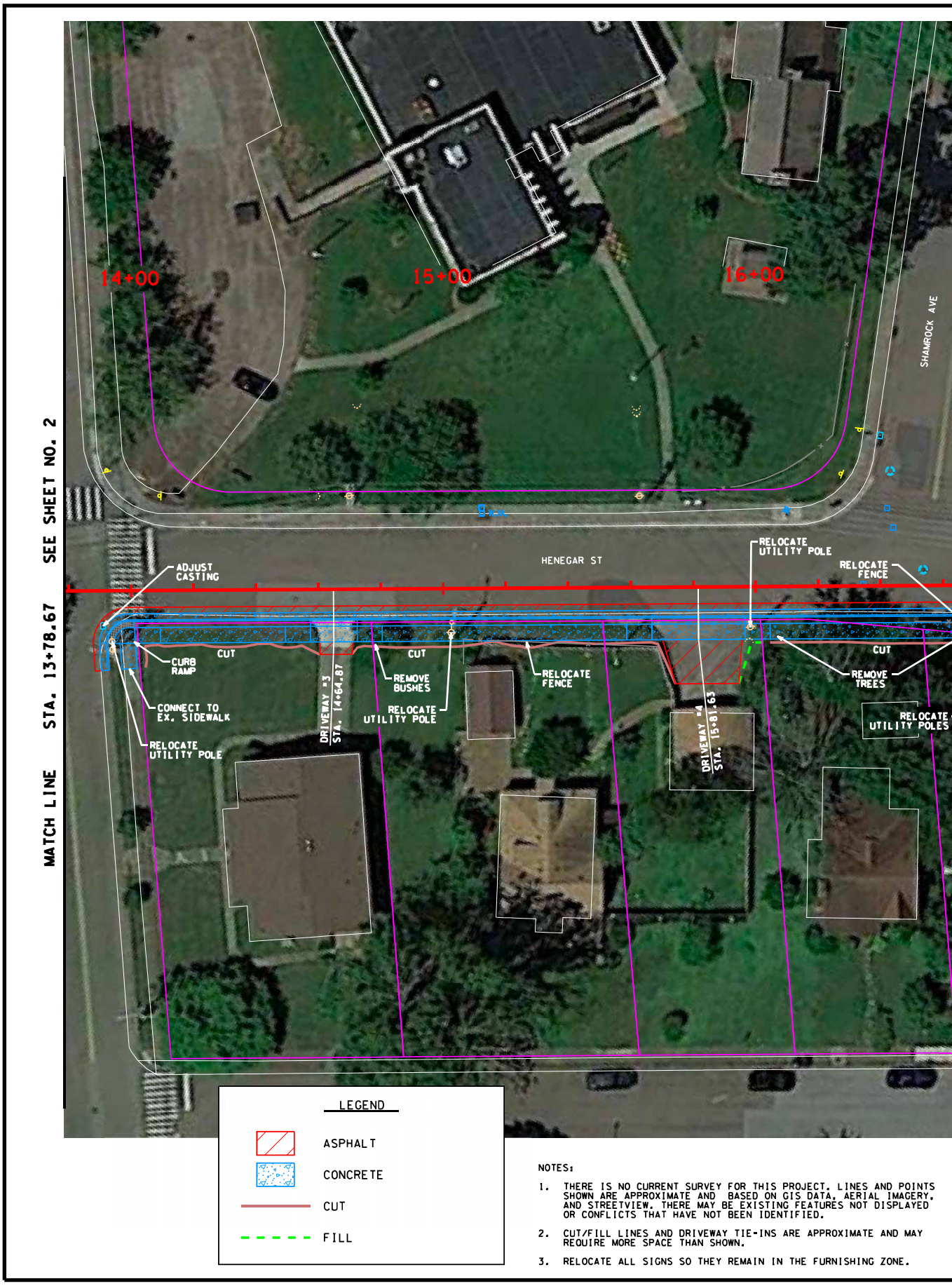
PROJECT NO. 43803.00

HENEGAR STREET SIDEWALK IMPROVEMENTS

PROPOSED OPTION 1

SCALE: 1" = 20'

SHEET 3 OF 12


14+00
15+00
16+00
SHAMROCK AVE
HENEGAR ST
SEE SHEET NO. 2
MATCH LINE STA. 13+78.67
ADJUST CASTING
CURB RAMP
CUT
CONNECT TO EX. SIDEWALK
RELOCATE UTILITY POLE
DRIVEWAY #3 STA. 14+64.87
CUT
REMOVE BUSHES
RELOCATE UTILITY POLE
RELOCATE FENCE
RELOCATE UTILITY POLE
RELOCATE FENCE
CUT
REMOVE TREES
DRIVEWAY #4 STA. 15+81.63
RELOCATE UTILITY POLES
LEGEND
ASPHALT
CONCRETE
CUT
FILL
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20' 0 10' 20' 30' 40'
SCALE: 1"=20'

CITY OF KNOXVILLE

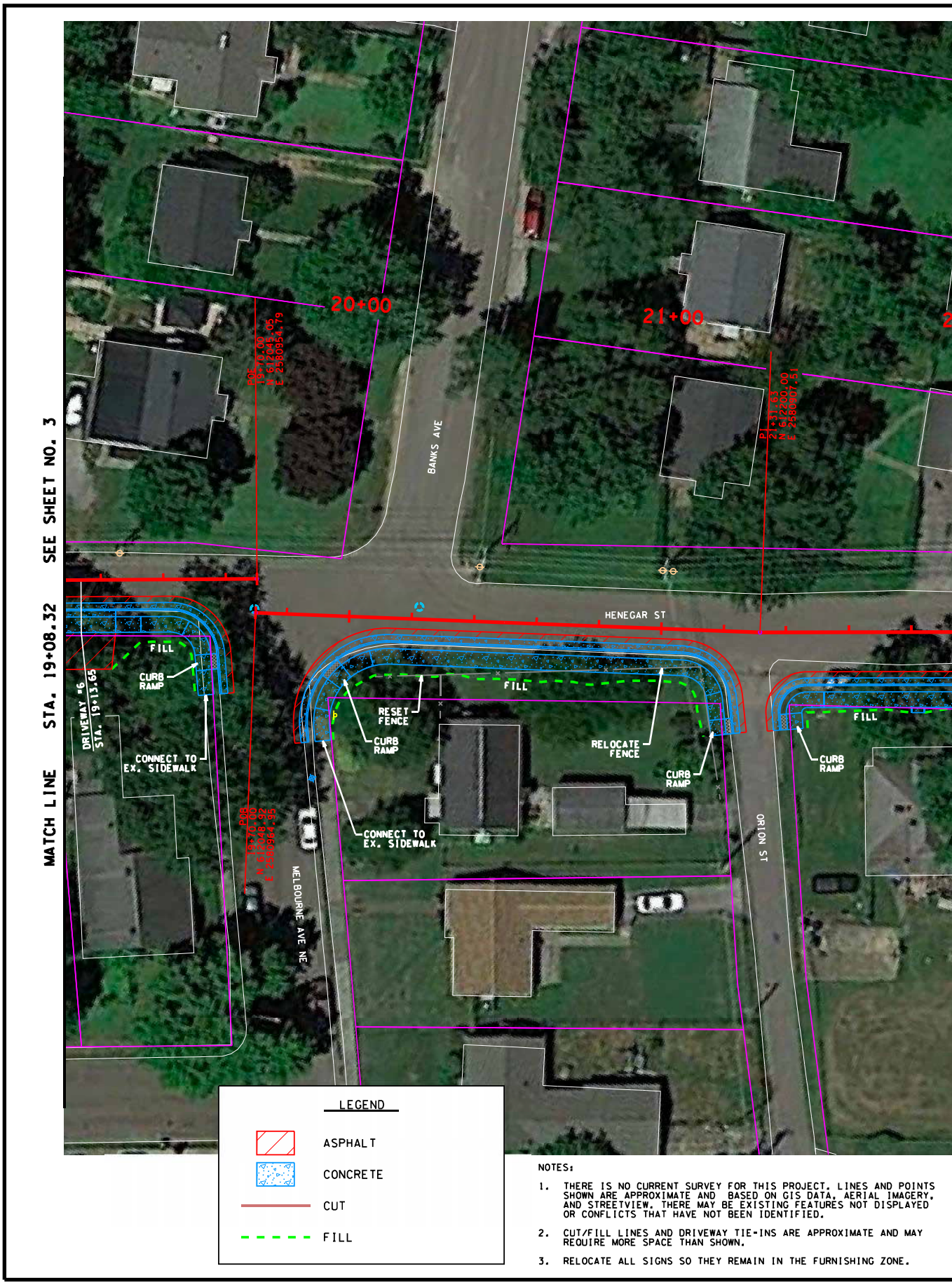
PROJECT NO. 43803.00

HENEGAR STREET SIDEWALK IMPROVEMENTS

PROPOSED OPTION 1

SCALE: 1" = 20'

SHEET 4 OF 12



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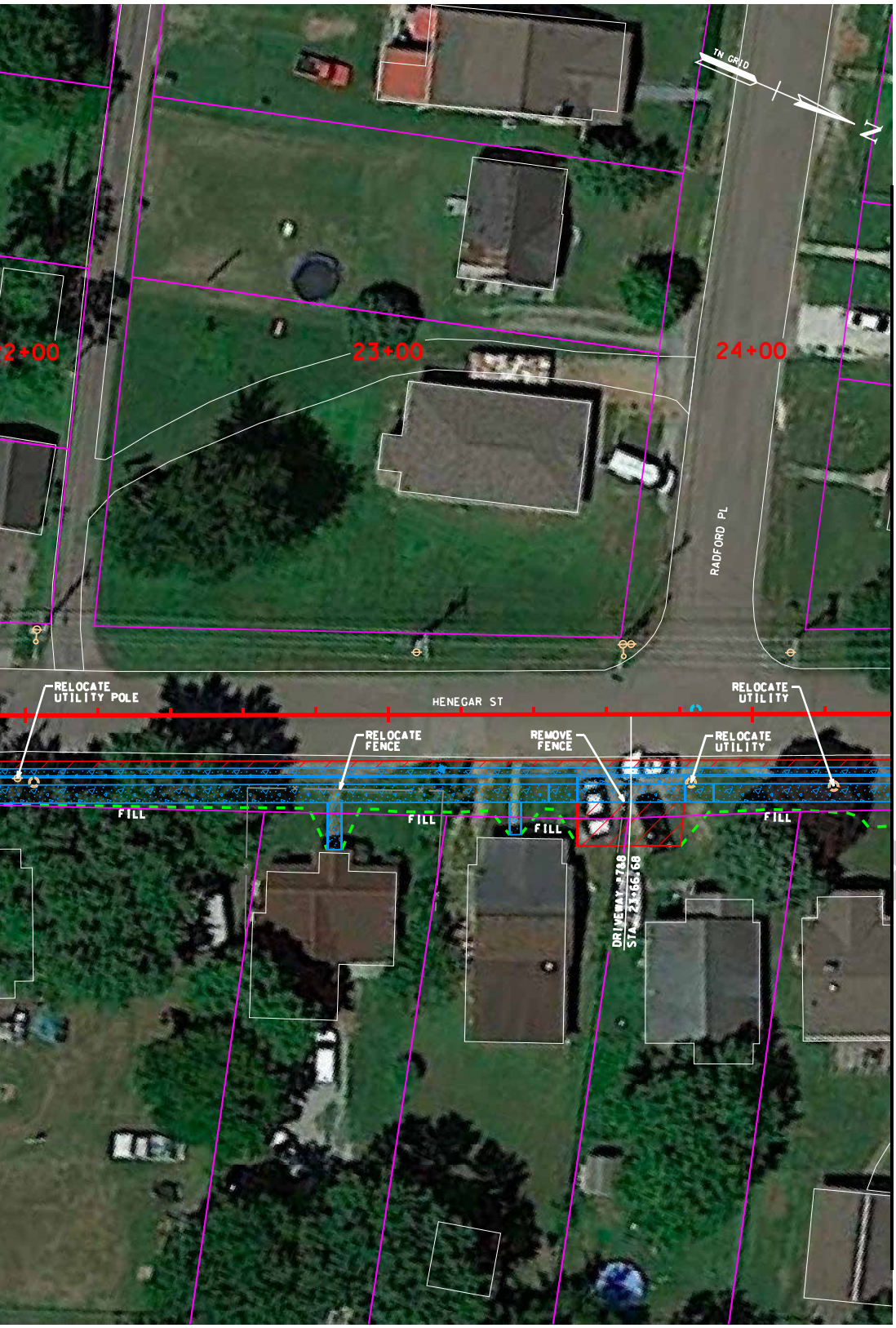

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20' 0 10' 20' 30' 40'
SCALE: 1"=20'

CITY OF KNOXVILLE

PROJECT NO. 43803.00

HENEGAR STREET SIDEWALK IMPROVEMENTS

PROPOSED OPTION 1

SCALE: 1" = 20'

SHEET 5 OF 12

25+00
26+00
27+00
SEE SHEET NO. 4
STA. 24+38.51
MATCH LINE
HENEGAR ST
RELOCATE FENCE
ADJUST UTILITY
RELOCATE FENCE
FILL
FILL
FILL
FILL
FILL
FILL
REMOVE FENCE
RESET FENCE
REMOVE TREE
CURB RAMP
DRIVEWAY #10 STA. 24+62.57
DRIVEWAY #11 STA. 25+69.49
DRIVEWAY #12 STA. 26+57.93
LEGEND
ASPHALT
CONCRETE
CUT
FILL
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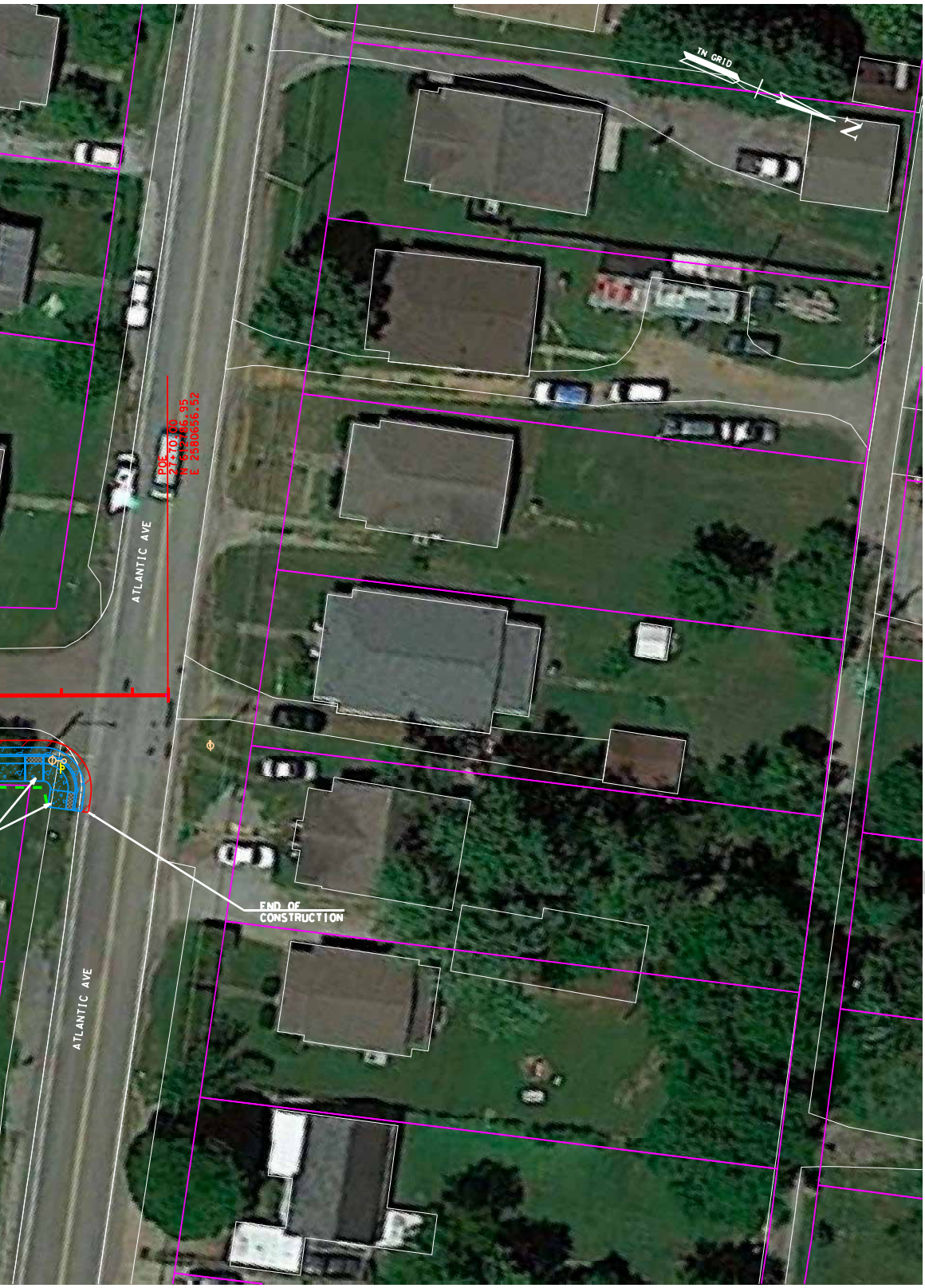

FILE NO.	OPTION1-4.SHT
DATE:	06-09-2020
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20' 0 10' 20' 30' 40'

SCALE: 1"=20'

CITY OF KNOXVILLE

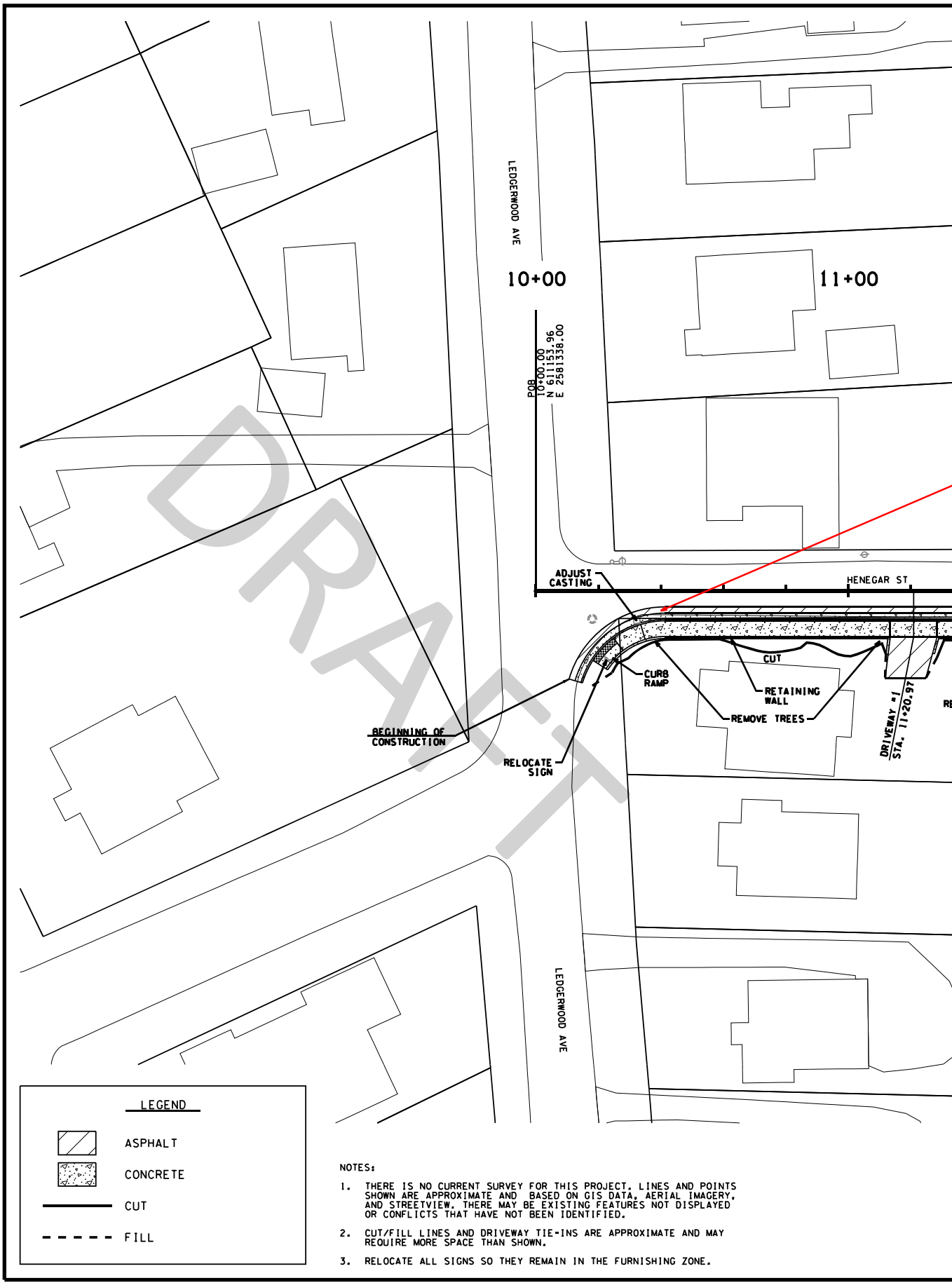
PROJECT NO. 43803.00

HENEGAR STREET SIDEWALK IMPROVEMENTS

PROPOSED OPTION 1

SCALE: 1" = 20'

SHEET 6 OF 12


LEDGERWOOD AVE
10+00
11+00
POB
10+00.00
N 611153.96
E 2581338.00
ADJUST CASTING
HENEGAR ST
CUT
CURB RAMP
RETAINING WALL
REMOVE TREES
DRIVEWAY #1
STA. 11+20.97
BEGINNING OF CONSTRUCTION
RELOCATE SIGN
LEDGERWOOD AVE
LEGEND
ASPHALT
CONCRETE
CUT
FILL
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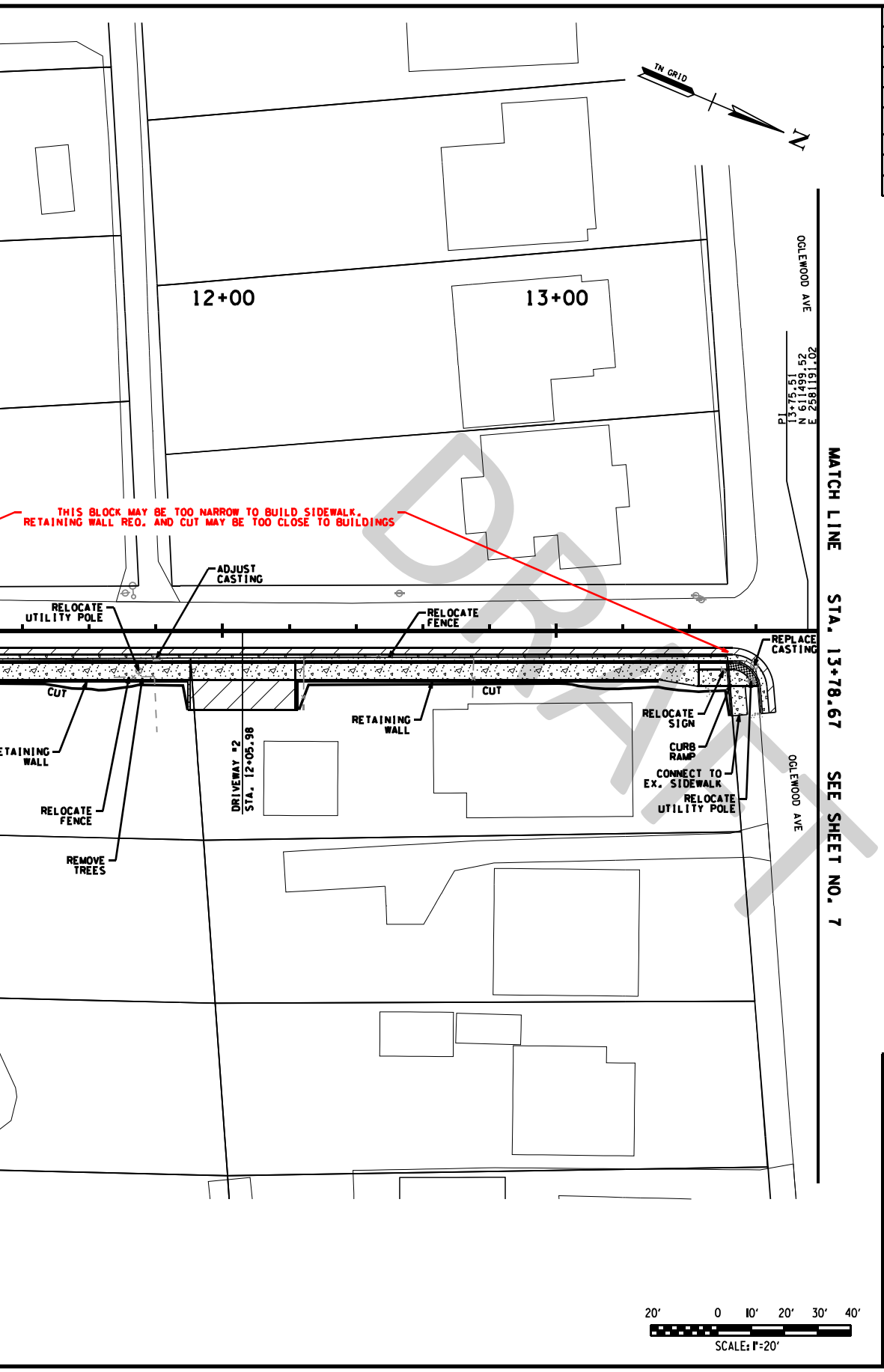
DRAFT



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CITY OF KNOXVILLE

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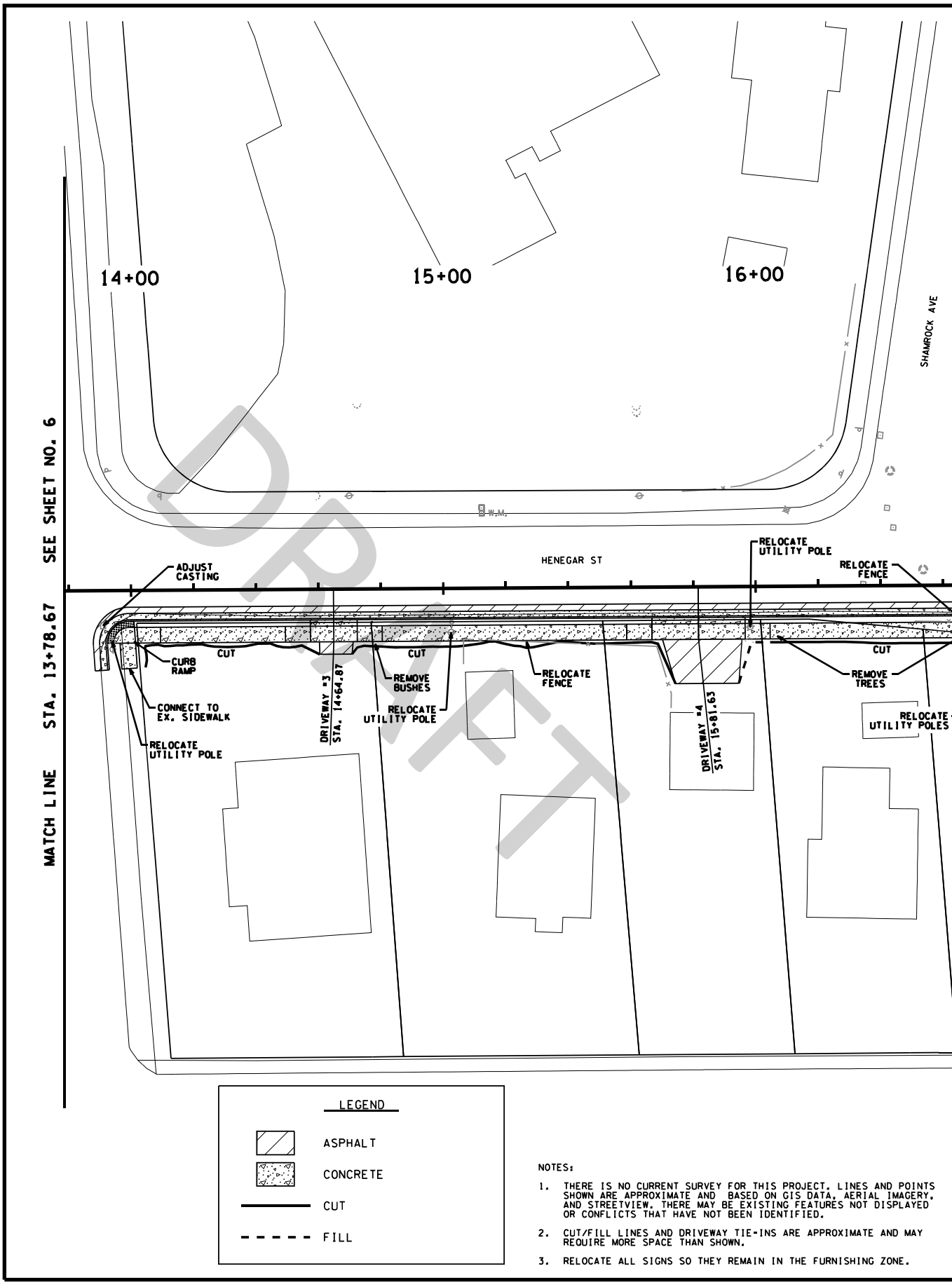
HENEGAR STREET SIDEWALK IMPROVEMENTS

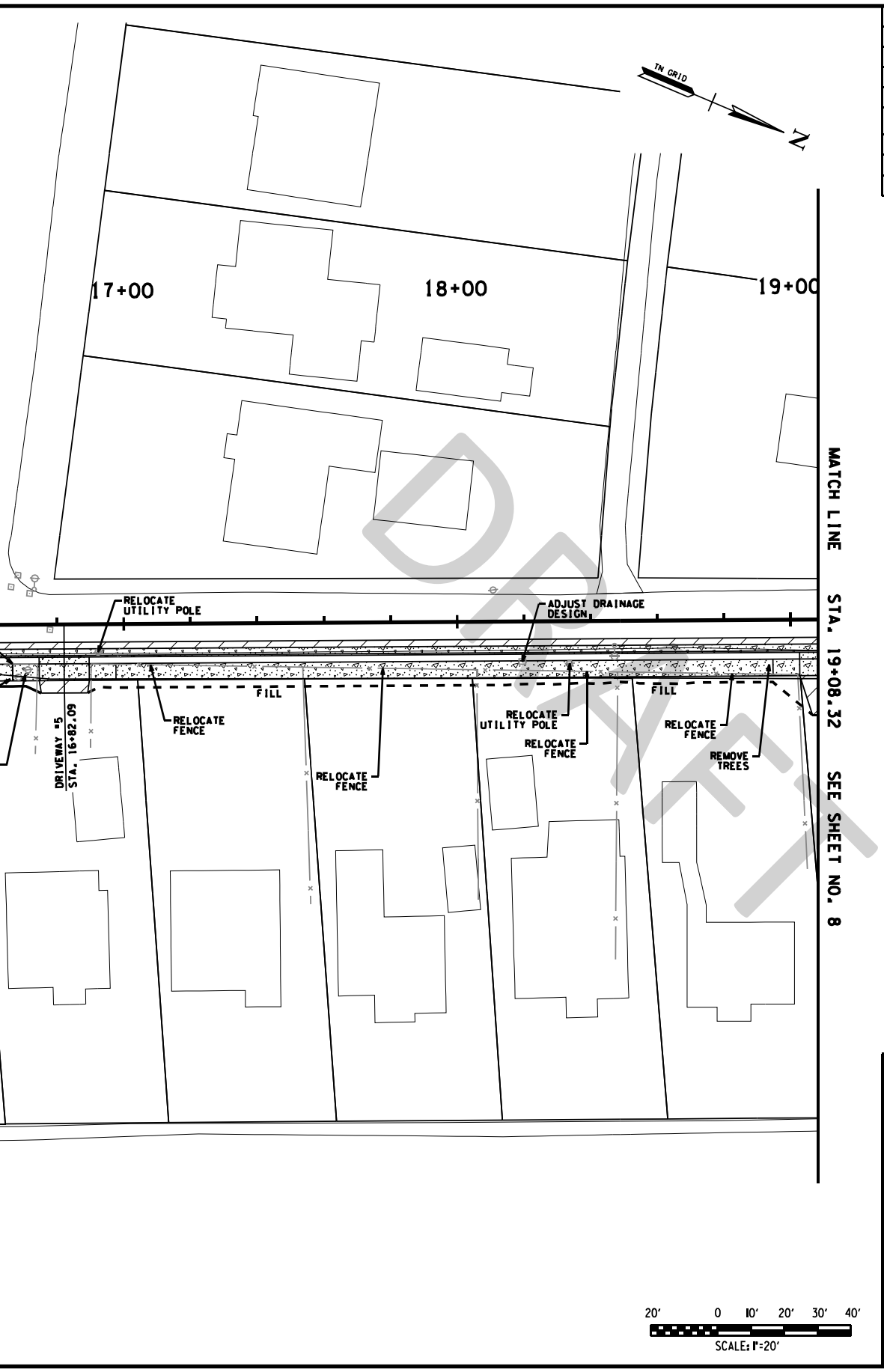
PROPOSED OPTION 1

SCALE: 1" = 20'

SHEET 7 OF 12


14+00
15+00
16+00
SHAMROCK AVE
HENEGAR ST
SEE SHEET NO. 6
MATCH LINE STA. 13+78.67
ADJUST CASTING
CURB RAMP
CUT
CONNECT TO EX. SIDEWALK
RELOCATE UTILITY POLE
DRIVEWAY #3 STA. 14+64.87
REMOVE BUSHES
CUT
RELOCATE UTILITY POLE
RELOCATE FENCE
RELOCATE UTILITY POLE
DRIVEWAY #4 STA. 15+81.63
RELOCATE FENCE
CUT
REMOVE TREES
RELOCATE UTILITY POLES
LEGEND
ASPHALT
CONCRETE
CUT
FILL
NOTES:
1. THERE IS NO CURRENT SURVEY FOR THIS PROJECT. LINES AND POINTS SHOWN ARE APPROXIMATE AND BASED ON GIS DATA, AERIAL IMAGERY, AND STREETVIEW. THERE MAY BE EXISTING FEATURES NOT DISPLAYED OR CONFLICTS THAT HAVE NOT BEEN IDENTIFIED.
2. CUT/FILL LINES AND DRIVEWAY TIE-INS ARE APPROXIMATE AND MAY REQUIRE MORE SPACE THAN SHOWN.
3. RELOCATE ALL SIGNS SO THEY REMAIN IN THE FURNISHING ZONE.

DRAFT



DRAFT

FILE NO.	OPTION1-6.SHT
DATE:	06-09-2020
DESIGNED BY:	JPM
DRAWN BY:	JPM
CHECKED BY:	JDB
REVISION BLOCK	
DATE:	
DATE:	
DATE:	

CITY OF KNOXVILLE

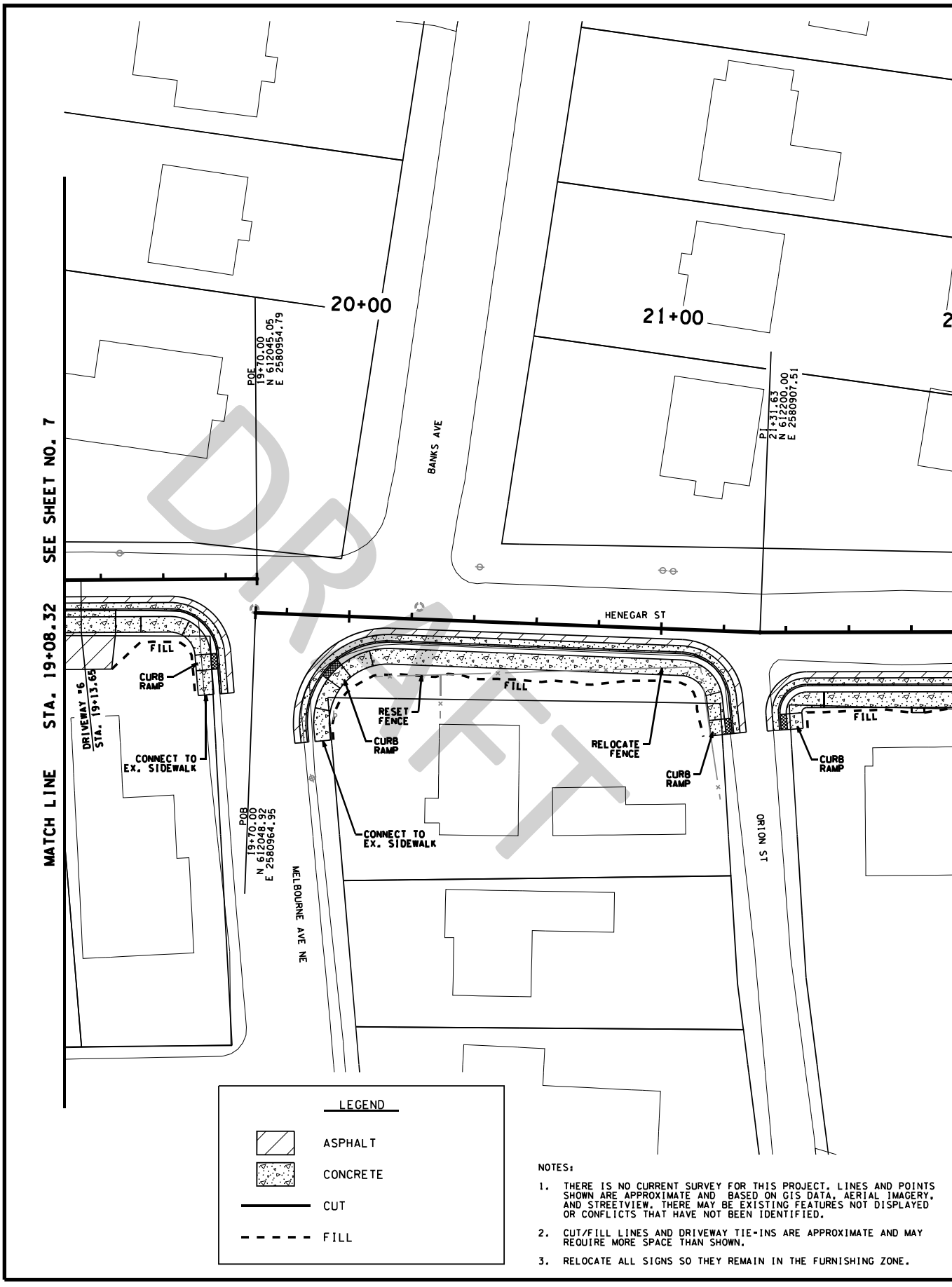
PROJECT NO. 43803.00

HENEGAR STREET SIDEWALK IMPROVEMENTS

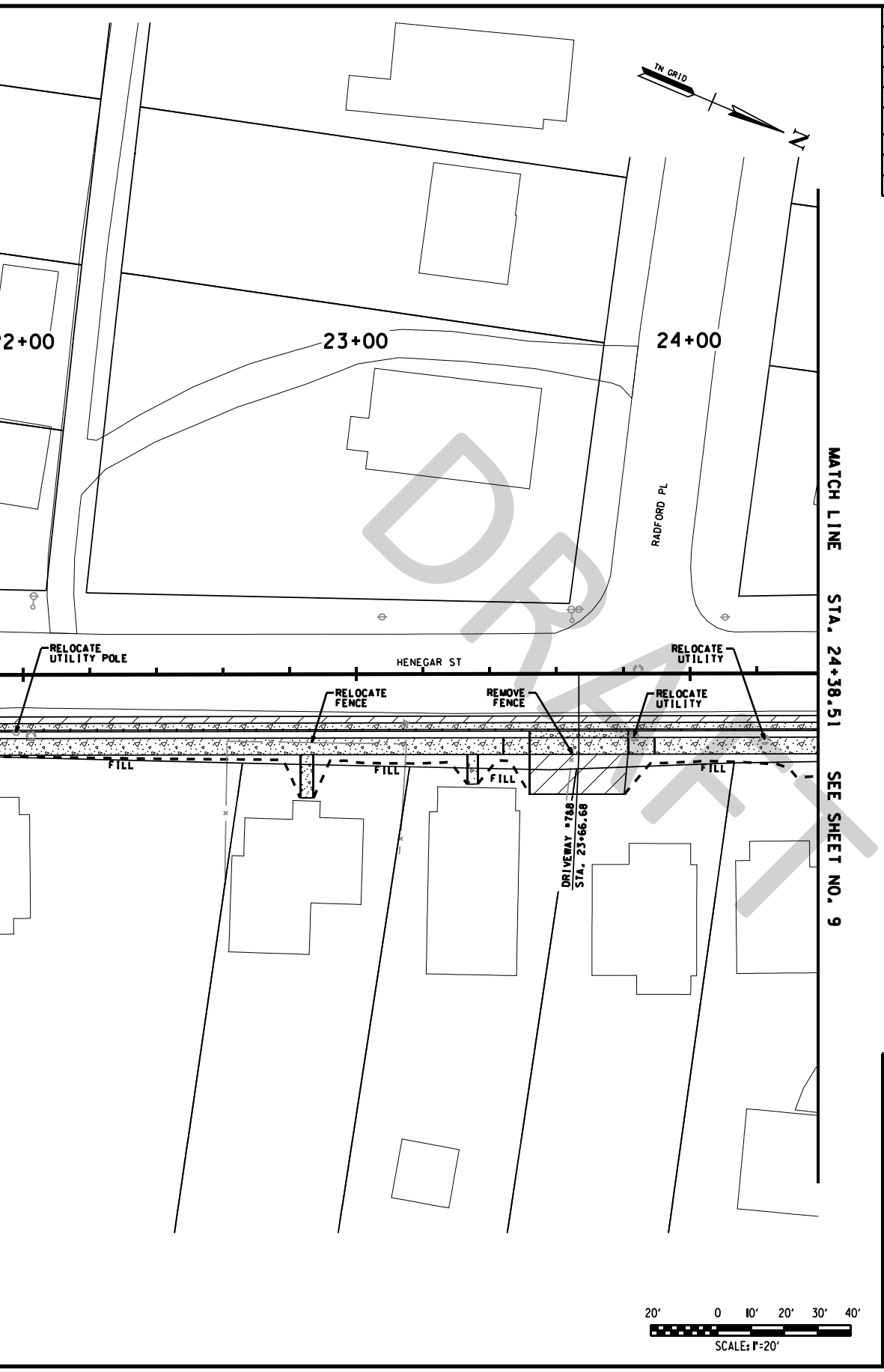
PROPOSED OPTION 1

SCALE: 1" = 20'

SHEET 8 OF 12


20+00
21+00
BANKS AVE
HENEGAR ST
MELBOURNE AVE NE
ORION ST
POE
19+70.00
N 612045.05
E 2580954.79
POB
19+70.00
N 612048.92
E 2580964.95
PI
21+31.63
N 612200.00
E 2580907.51
MATCH LINE STA. 19+08.32 SEE SHEET NO. 7
DRIVEWAY "6"
STA. 19+13.65
FILL
CURB RAMP
CONNECT TO EX. SIDEWALK
RESET FENCE
RELOCATE FENCE
LEGEND
ASPHALT
CONCRETE
CUT
FILL
NOTES:
1. THERE IS NO CURRENT SURVEY FOR THIS PROJECT. LINES AND POINTS SHOWN ARE APPROXIMATE AND BASED ON GIS DATA, AERIAL IMAGERY, AND STREETVIEW. THERE MAY BE EXISTING FEATURES NOT DISPLAYED OR CONFLICTS THAT HAVE NOT BEEN IDENTIFIED.
2. CUT/FILL LINES AND DRIVEWAY TIE-INS ARE APPROXIMATE AND MAY REQUIRE MORE SPACE THAN SHOWN.
3. RELOCATE ALL SIGNS SO THEY REMAIN IN THE FURNISHING ZONE.

DRAFT



DRAFT

FILE NO.	OPTION1-7.SHT
DATE:	06-09-2020
DESIGNED BY:	JPM
DRAWN BY:	JPM
CHECKED BY:	JDB

REVISION BLOCK	
DATE:	
DATE:	
DATE:	

CITY OF KNOXVILLE

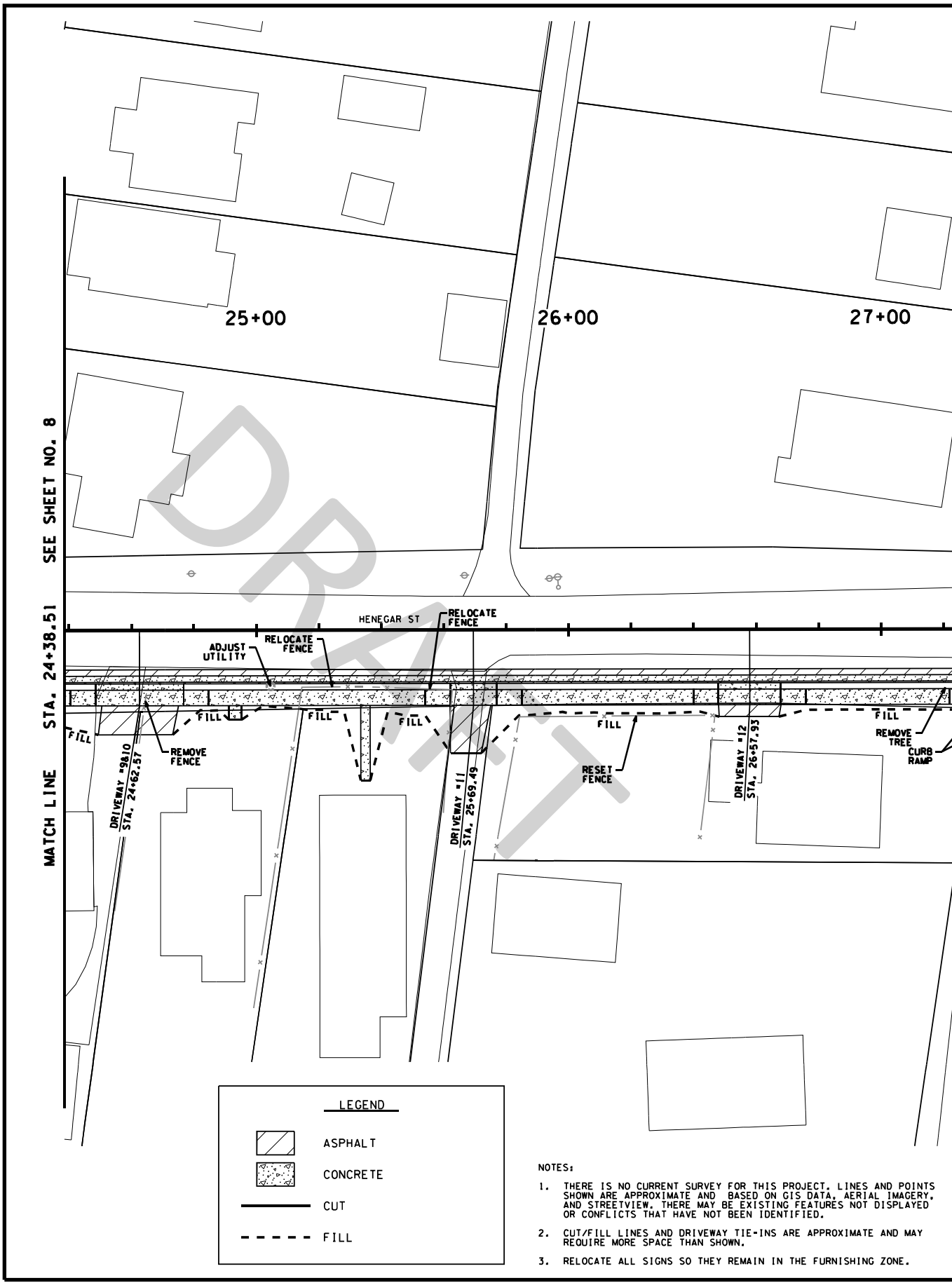
PROJECT NO. 43803.00

HENEGAR STREET SIDEWALK IMPROVEMENTS

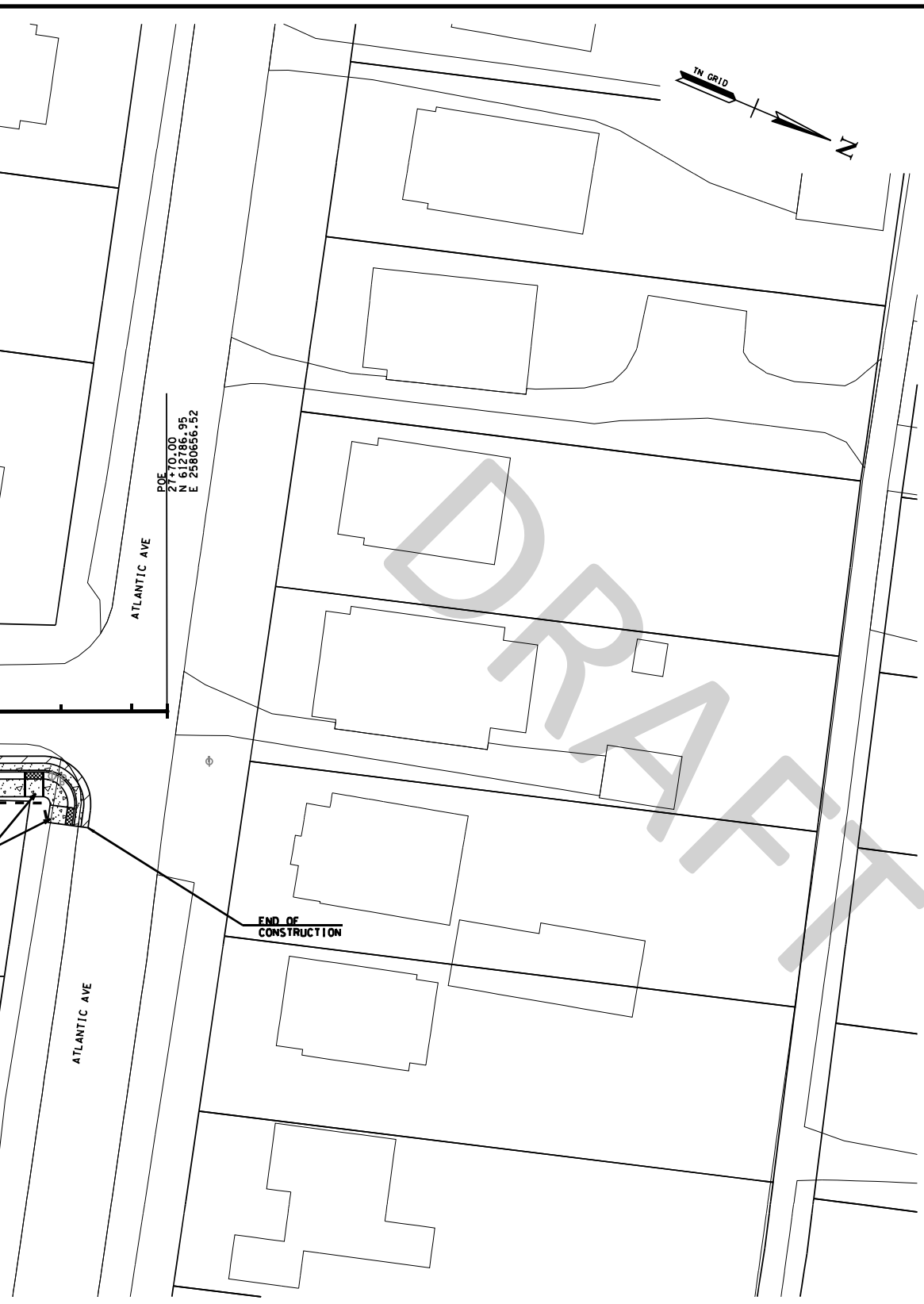
PROPOSED OPTION 1

SCALE: 1" = 20'

SHEET 9 OF 12


25+00
26+00
27+00
SEE SHEET NO. 8
MATCH LINE STA. 24+38.51
HENEGAR ST
RELOCATE FENCE
ADJUST UTILITY
RELOCATE FENCE
FILL
FILL
FILL
FILL
FILL
REMOVE FENCE
DRIVEWAY #9810 STA. 24+62.57
DRIVEWAY #11 STA. 25+69.49
RESET FENCE
DRIVEWAY #12 STA. 26+57.93
REMOVE TREE
CURB RAMP
LEGEND
ASPHALT
CONCRETE
CUT
FILL
NOTES:
1. THERE IS NO CURRENT SURVEY FOR THIS PROJECT. LINES AND POINTS SHOWN ARE APPROXIMATE AND BASED ON GIS DATA, AERIAL IMAGERY, AND STREETVIEW. THERE MAY BE EXISTING FEATURES NOT DISPLAYED OR CONFLICTS THAT HAVE NOT BEEN IDENTIFIED.
2. CUT/FILL LINES AND DRIVEWAY TIE-INS ARE APPROXIMATE AND MAY REQUIRE MORE SPACE THAN SHOWN.
3. RELOCATE ALL SIGNS SO THEY REMAIN IN THE FURNISHING ZONE.

DRAFT



FILE NO.	OPTION1-8.SHT
DATE:	06-09-2020
DESIGNED BY:	JPM
DRAWN BY:	JPM
CHECKED BY:	JDB

REVISION BLOCK	
DATE:	
DATE:	
DATE:	

CITY OF KNOXVILLE

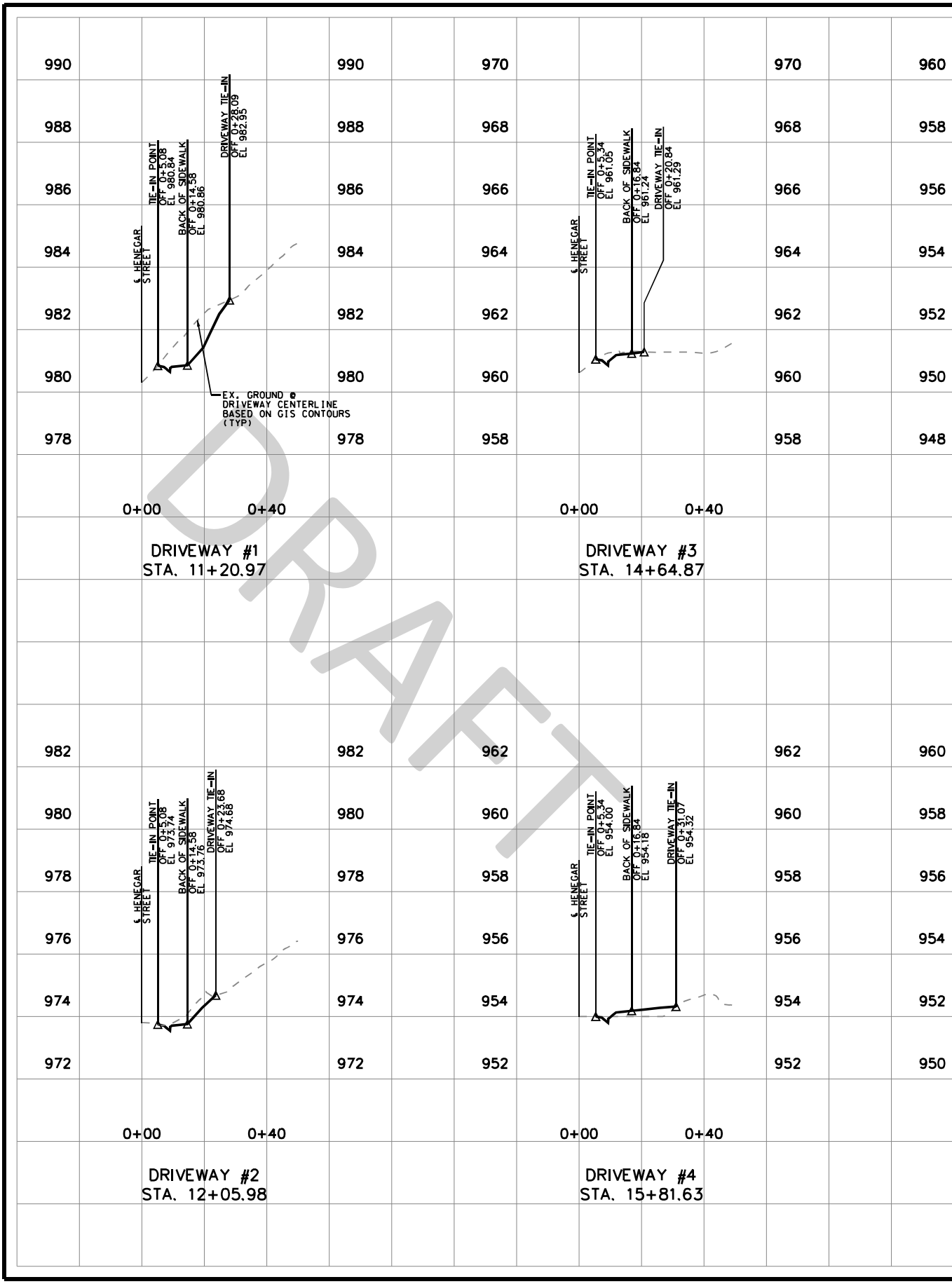
PROJECT NO. 43803.00

HENEGAR STREET SIDEWALK IMPROVEMENTS

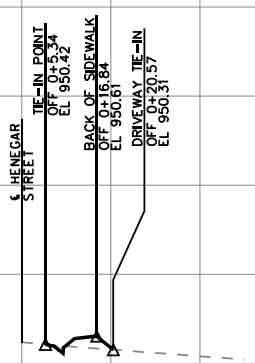
PROPOSED OPTION 1

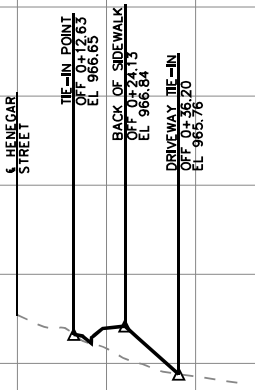
SCALE: 1" = 20'

SHEET 10 OF 12


990
988
986
984
982
980
978
0+00
0+40
℄ HENEGAR STREET
TIE-IN POINT
OFF 0+13.08
EL 980.84
BACK OF SIDEWALK
OFF 0+14.58
EL 980.86
DRIVEWAY TIE-IN
OFF 0+28.09
EL 982.95
EX. GROUND @ DRIVEWAY CENTERLINE BASED ON GIS CONTOURS (TYP)
DRIVEWAY #1
STA. 11+20.97
970
968
966
964
962
960
958
0+00
0+40
℄ HENEGAR STREET
TIE-IN POINT
OFF 0+4.34
EL 961.05
BACK OF SIDEWALK
OFF 0+16.84
EL 961.24
DRIVEWAY TIE-IN
OFF 0+20.84
EL 961.29
DRIVEWAY #3
STA. 14+64.87
970
968
966
964
962
960
958
956
954
952
950
948
982
980
978
976
974
972
0+00
0+40
℄ HENEGAR STREET
TIE-IN POINT
OFF 0+13.08
EL 973.74
BACK OF SIDEWALK
OFF 0+14.58
EL 973.76
DRIVEWAY TIE-IN
OFF 0+23.68
EL 974.68
DRIVEWAY #2
STA. 12+05.98
962
960
958
956
954
952
950
0+00
0+40
℄ HENEGAR STREET
TIE-IN POINT
OFF 0+5.34
EL 954.00
BACK OF SIDEWALK
OFF 0+16.84
EL 954.18
DRIVEWAY TIE-IN
OFF 0+31.07
EL 954.32
DRIVEWAY #4
STA. 15+81.63

DRAFT





960 958 956 954 952 950 948

976 974 972 970 968 966 964

976 974 972 970 968 966 964

0+00 0+40

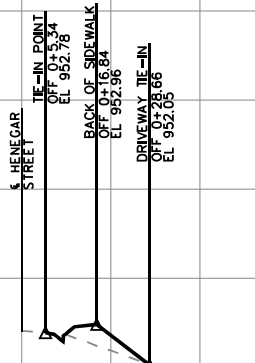
DRIVEWAY #5
STA. 16+82.09

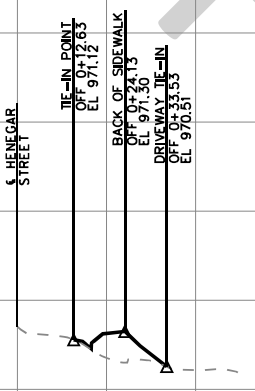
0+00 0+40

DRIVEWAY #7 & 8
STA. 23+66.68

NOTE:

PROFILES WERE CREATED USING AVAILABLE TOPOGRAPHIC INFORMATION AND ARE APPROXIMATE. ACTUAL ELEVATIONS, SLOPES, AND TIE-IN POINTS ARE SUBJECT TO CHANGE DURING FINAL DESIGN.





960 958 956 954 952 950

978 976 974 972 970 968

978 976 974 972 970 968

0+00 0+40

DRIVEWAY #6
STA. 19+13.65

0+00 0+40

DRIVEWAY #9 & 10
STA. 24+62.57

DRAFT

FILE NO.	DRIVEWAYS1.SHT
DATE:	06-09-2020
DESIGNED BY:	JPM
DRAWN BY:	JPM
CHECKED BY:	JDB
REVISION BLOCK	
DATE:	
DATE:	
DATE:	

CITY OF KNOXVILLE

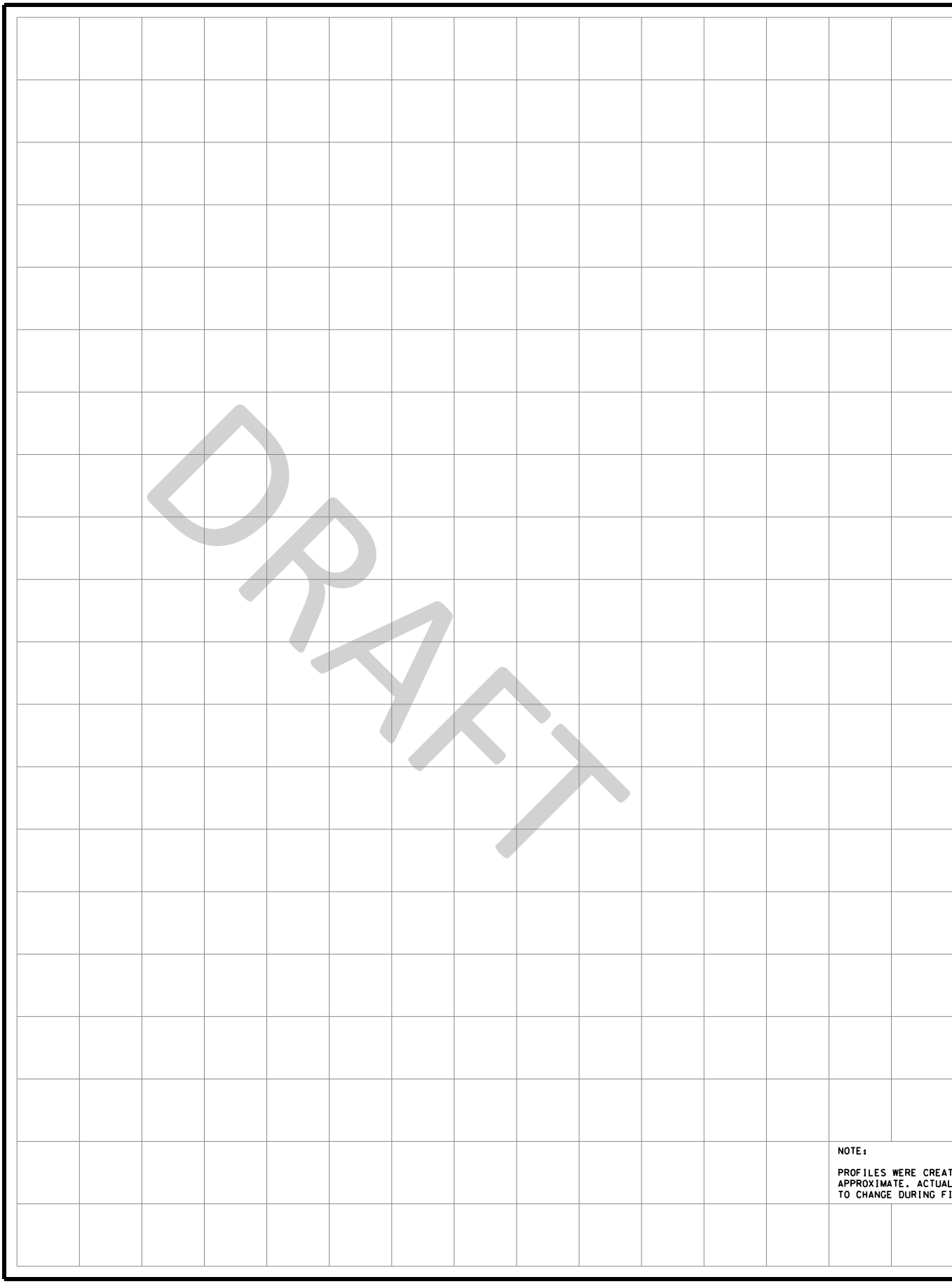
PROJECT NO. 43803.00

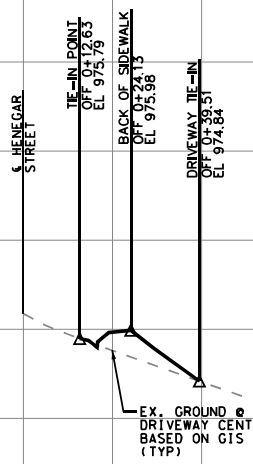
HENEGAR STREET SIDEWALK IMPROVEMENTS

PROPOSED DRIVEWAY PROFILES

SCALE: HORIZ 1" = 20'
VERT 1" = 2'

SHEET 11 OF 12


DRAFT
NOTE:
PROFILES WERE CREAT
APPROXIMATE. ACTUAL
TO CHANGE DURING FI



DRIVEWAY #11
STA. 25+69.49

DRIVEWAY #12
STA. 26+57.93

FED USING AVAILABLE TOPOGRAPHIC INFORMATION AND ARE
ELEVATIONS, SLOPES, AND TIE-IN POINTS ARE SUBJECT
NAL DESIGN.

FILE NO.	DRIVEWAYS2.SHT
DATE:	06-09-2020
DESIGNED BY:	JPM
DRAWN BY:	JPM
CHECKED BY:	JDB
REVISION BLOCK	
DATE:	
DATE:	
DATE:	

CITY OF KNOXVILLE

PROJECT NO. 43803.00

HENEGAR STREET SIDEWALK IMPROVEMENTS

PROPOSED DRIVEWAY PROFILES

SCALE: HORIZ 1" = 20'
VERT 1" = 2'

SHEET 12 OF 12

DRAFT

DRAFT

Sidewalk Study

Gresham Smith

222 Second Avenue South
Suite 1400
Nashville, TN 37201

615.770.8100
GreshamSmith.com

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