

Main Street City Council Work Session #2

October 01, 2024

Conсор Engineers | Spanish Fork City | UDOT

Upcoming:
Work Session #3: Nov. 19

1

Roadway Design
Criteria

2

Potential Tree
Impacts

3

Bus Shelter
Concept

4

Lighting



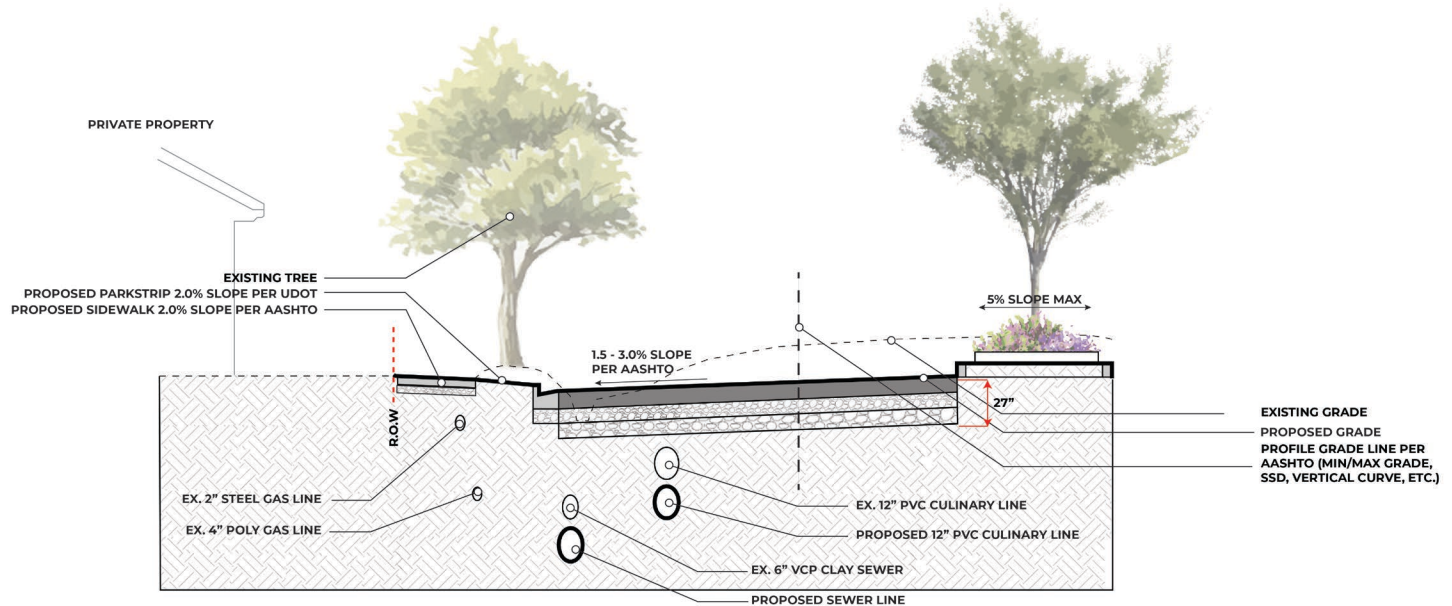
Roadway Design Criteria

Design Criteria Toolbox: Roadway Cross-Sections

1. Sidewalk Controlled Grade
2. Existing Roadway Controlled Grade
3. Existing Tree Controlled Grade
4. Existing Grade Constraints

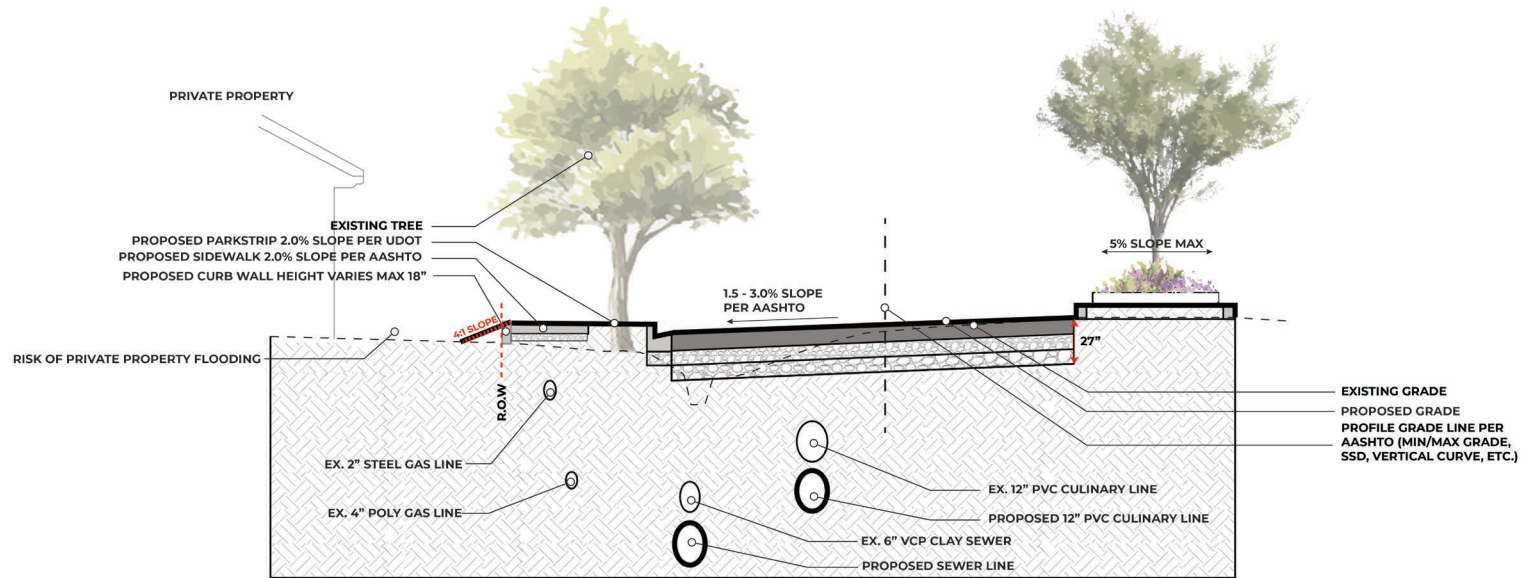


SPANISH FORK MAIN STREET | DESIGN CRITERIA



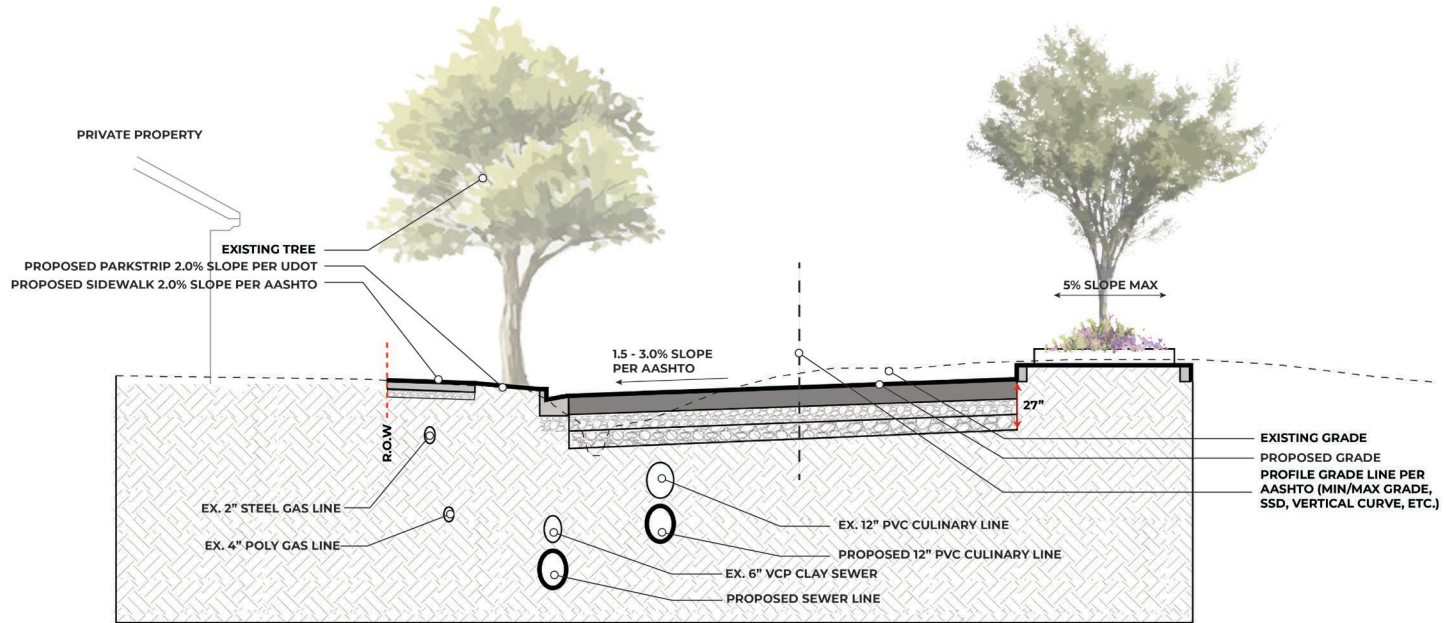
SECTION A: SIDEWALK CONTROLLED GRADE

SPANISH FORK MAIN STREET | DESIGN CRITERIA



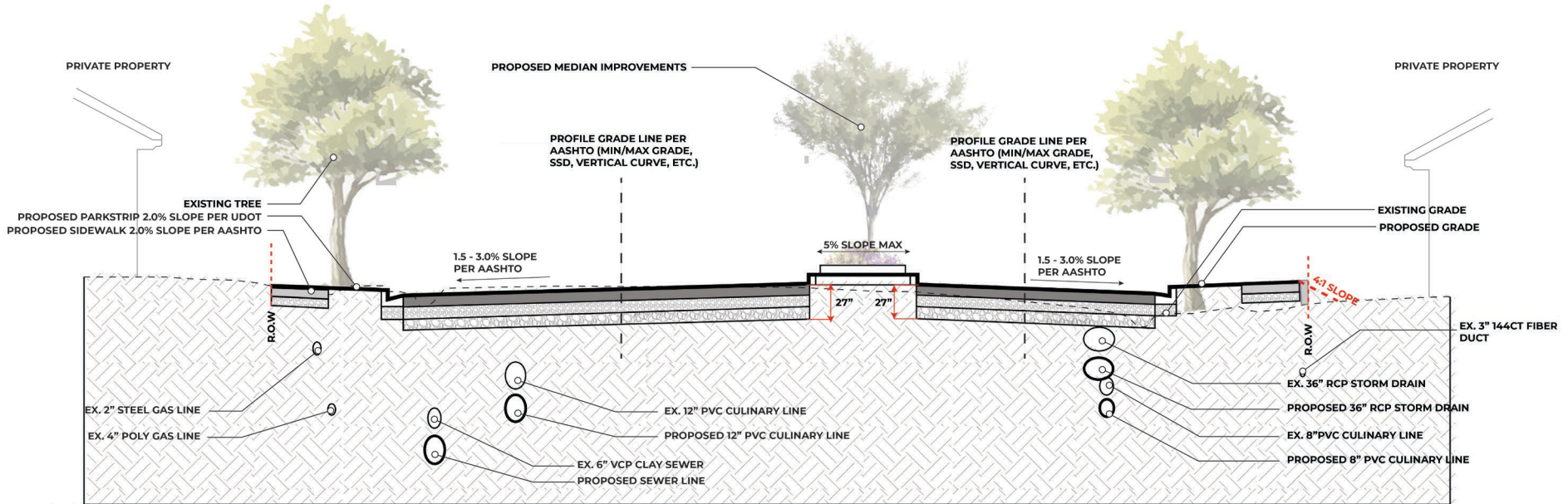
SECTION B: EXISTING ROADWAY CONTROLLED GRADE

SPANISH FORK MAIN STREET | DESIGN CRITERIA



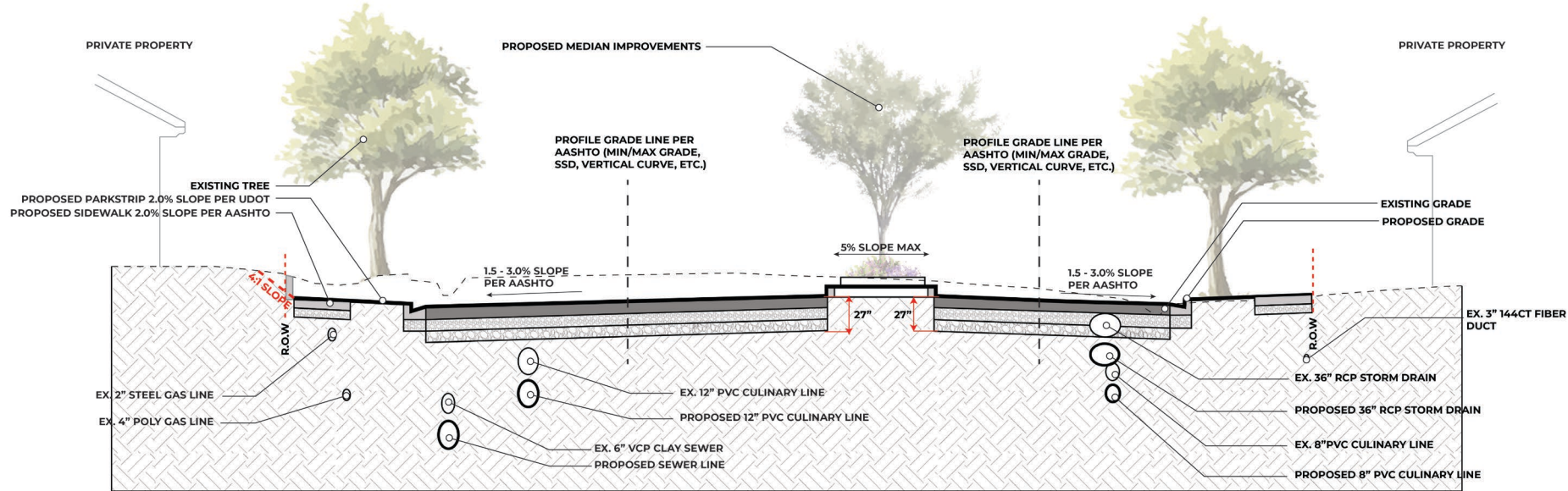
SECTION C : TREE CONTROLLED GRADE

SPANISH FORK MAIN STREET | DESIGN CRITERIA



SECTION A: EXISTING GRADE CONSTRAINTS

SPANISH FORK MAIN STREET | DESIGN CRITERIA



SECTION B: EXISTING GRADE CONSTRAINTS

Potential Tree Impacts

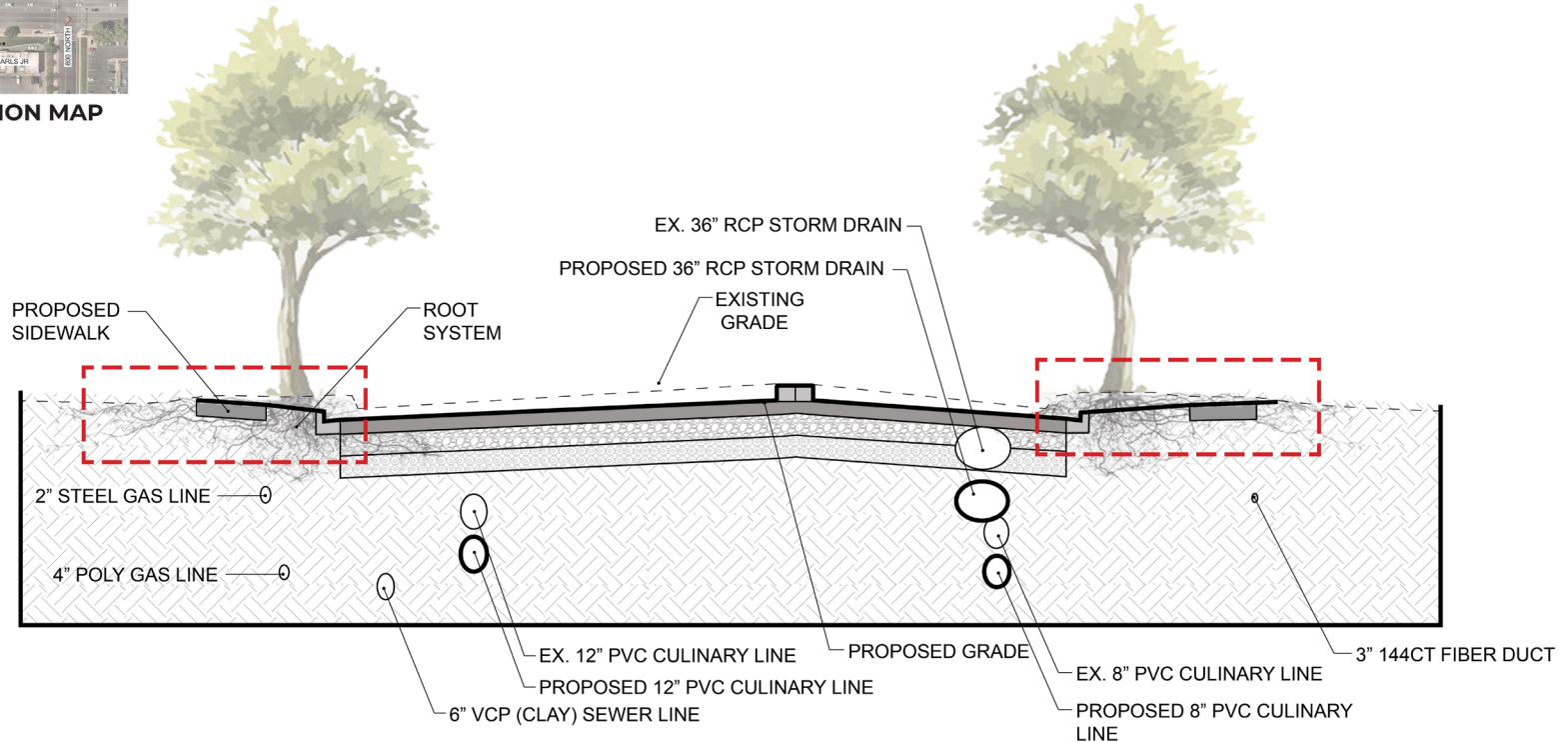
1. Arborist Notes
2. Utility Impacts
3. Tree Impacts Map and Data

- Remaining life span of trees
- Potential tree suggestions
- Shallow tree roots





LOCATION MAP

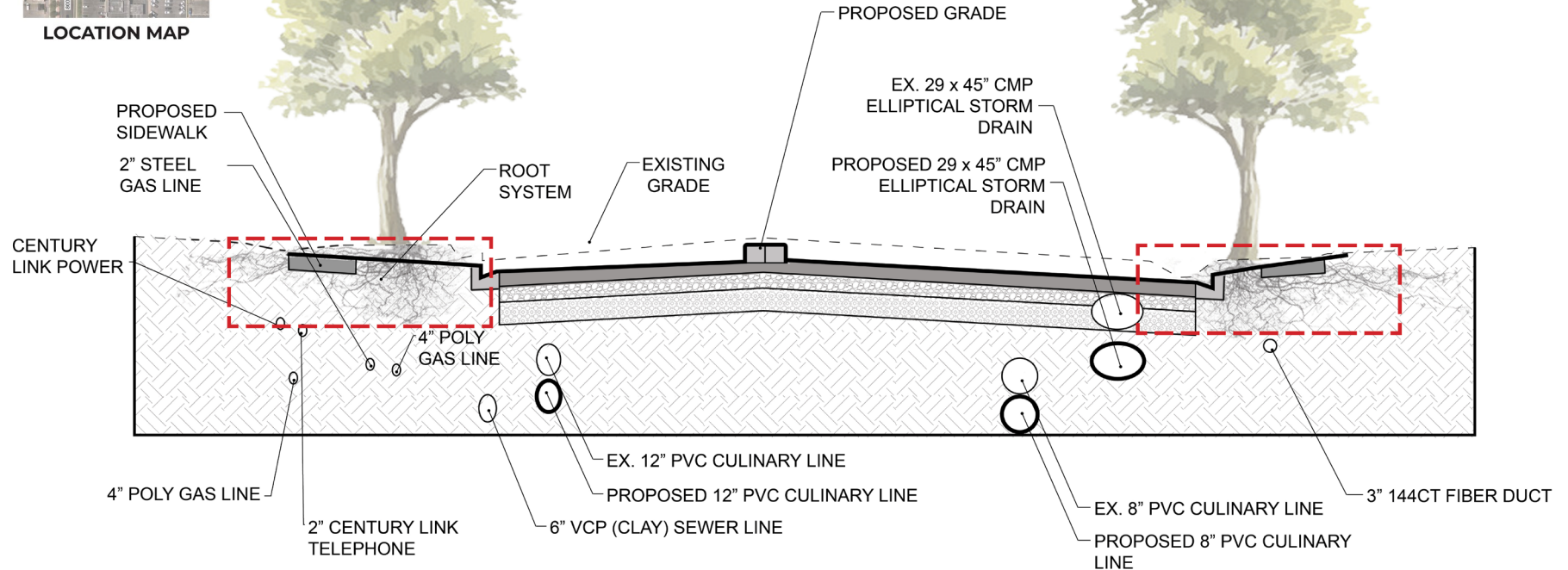


Utility Impacts | 800 N – Exxon & UCCU Bank

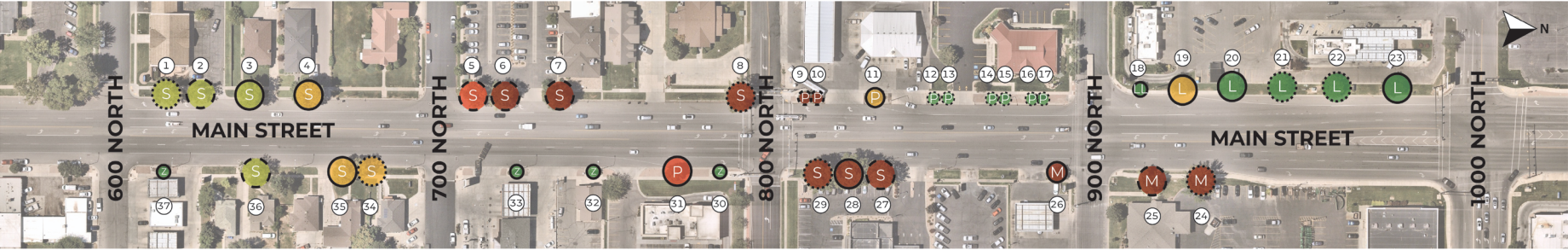
Utility Impacts



LOCATION MAP



SPANISH FORK MAIN STREET | TREE IMPACTS

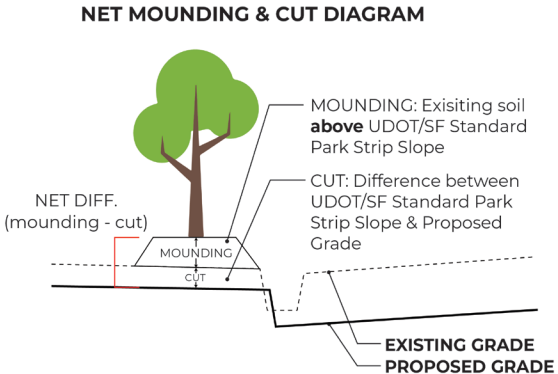


TREE IMPACT TABULATIONS (WEST)					
#	Severity	Mounding (in)	Cutting (in)	Net Diff.	Geom. Conflict
1	0-3"	10	10.5	.5	-
2	0-3"	4.5	6.5	2	-
3	0-3"	13	16	3	-
4	4-6"	0	4	4	-
5	4-6"	6.5	14.5	8.5	-
6	7-10"	-	-	-	Curb and Gutter
7	7-10"	-	-	-	Curb and Gutter
8	7-10"	-	-	-	Ped Ramp
9	7-10"	-	-	-	Curb and Gutter
10	7-10"	-	-	-	Curb and Gutter
11	4-6"	-	6.5	6.5	-
12	0-3"	-	-	-	-
13	0-3"	-	-	-	-
14	0-3"	-	-	-	-
15	0-3"	-	-	-	-
16	0-3"	-	-	-	-
17	0-3"	-	-	-	-
18	0-3"	-	-	-	-
19	4-6"	-	4	4	Slight Impact
20	0-3"	-	-	-	Slight Impact
21	0-3"	-	-	-	Slight Impact
22	0-3"	-	-	-	Slight Impact
23	0-3"	-	-	-	Slight Impact

TREE IMPACT TABULATIONS (EAST)					
#	Severity	Mounding (in)	Cutting (in)	Net Diff.	Geom. Conflict
24	7-10"	-	-	-	-
25	7-10"	-	-	-	Sidewalk
26	7-10"	-	-	-	Curb & Gutter
27	7-10"	-	-	-	Sidewalk & Bus Stop
28	7-10"	-	-	-	Sidewalk & Bus Stop
29	7-10"	-	-	-	Sidewalk & Bus Stop
30	0-3"	-	-	-	-
31	4-6"	-	9.5	9.5	-
32	0-3"	-	-	-	-
33	0-3"	-	-	-	N/A
34	4-6"	9.5	15.5	6	N/A
35	4-6"	9.5	15.5	6	N/A
36	0-3"	4.5	5.5	1	N/A
37	0-3"	-	-	-	-

TREE HEALTH TABULATIONS BY TREE TYPE				
Species	Good	Fair	Poor	TOTALS
Sycamore	4	4	6	14
Pear	2	6	2	10
Maple	1	1	1	3
Locust	3	2	-	5
LL Linton	1	-	-	1
Zelkova	4	-	-	4
TOTALS	15	13	9	37

TREE SPECIES LEGEND			
S	SYCAMORE	L	LOCUST
P	PEAR	LL	LL LINDON
M	MAPLE	Z	ZELKOVA



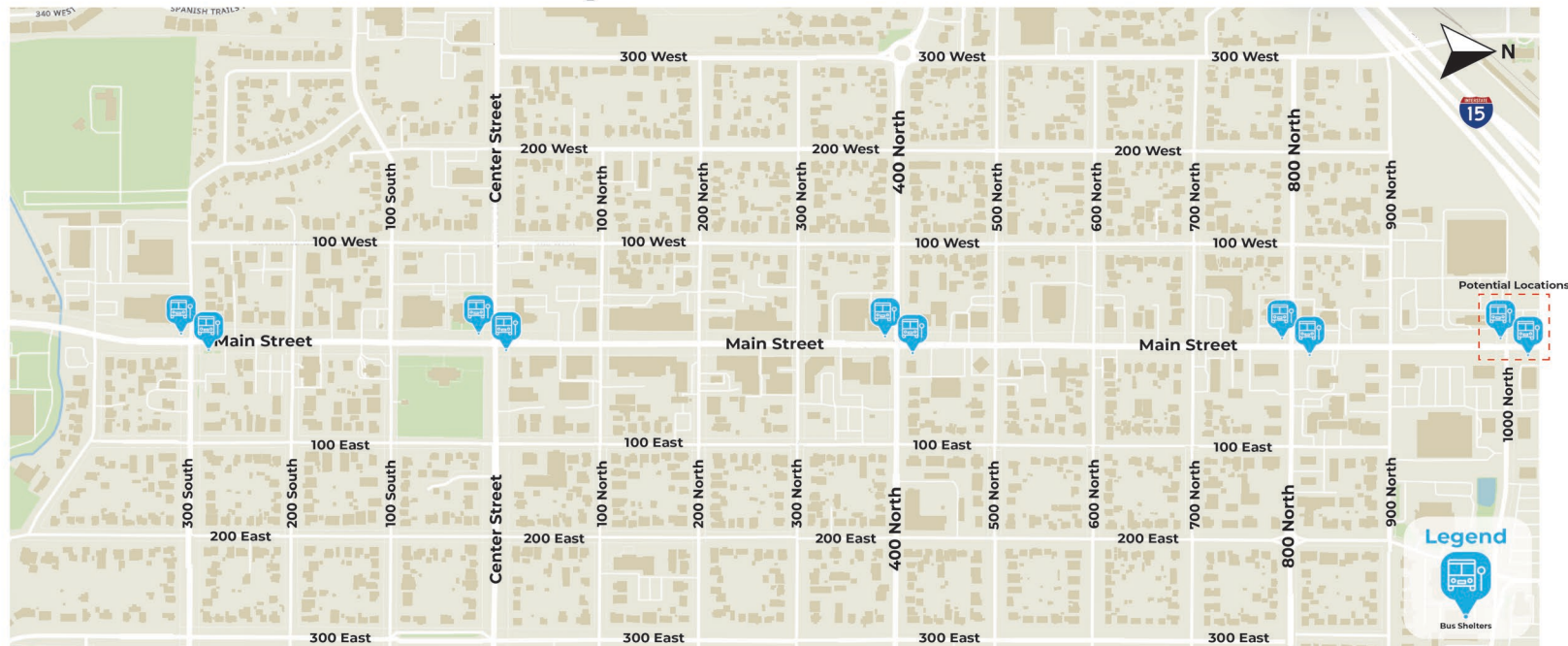
IMPACT SEVERITY LEGEND	
Green circle	SLIGHT IMPACT
Yellow circle	0-3" OVERALL CUT
Orange circle	4-6" OVERALL CUT
Red circle	7-10" OVERALL CUT
Brown circle	HEAVY IMPACT
TREE HEALTH LEGEND	
Good circle	GOOD
Fair circle	FAIR
Poor circle	POOR

Bus Shelter

1. Bus Shelter Locations Map
2. Bus Shelter Concept & Materials



Bus Shelter Locations | 300 S - 1000 N



FAIRGROUNDS

 300 S & Main Street (SB)

TRANSITION SOUTH

 300 S & Main Street (NB)

DOWNTOWN CORE

 Center Street & Main Street (SB)
 Center Street & Main Street (NB)
 400 N & Main Street (SB)

TRANSITION NORTH

 400 N & Main Street (NB)

I-15 COMMERCIAL

 800 N & Main Street (SB)
 800 N & Main Street (NB)
 1000 N & Main Street (SB)*
 1000 N & Main Street (NB)*

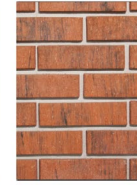
* Potential Bus Shelter Locations

Spanish Fork Library Bus Shelter

Materials:



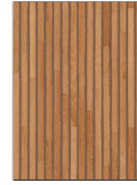
Blue Glass



Brick



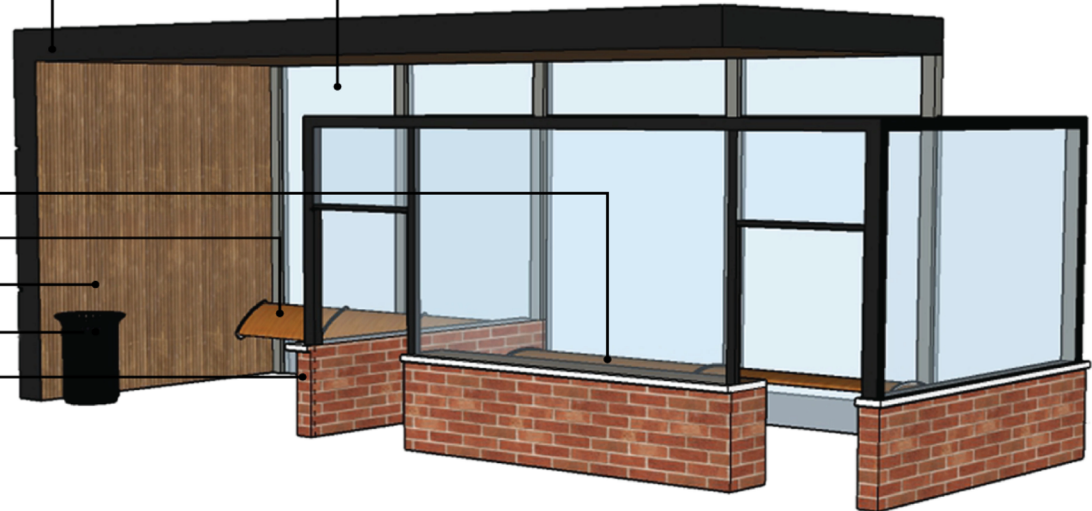
Black Metal



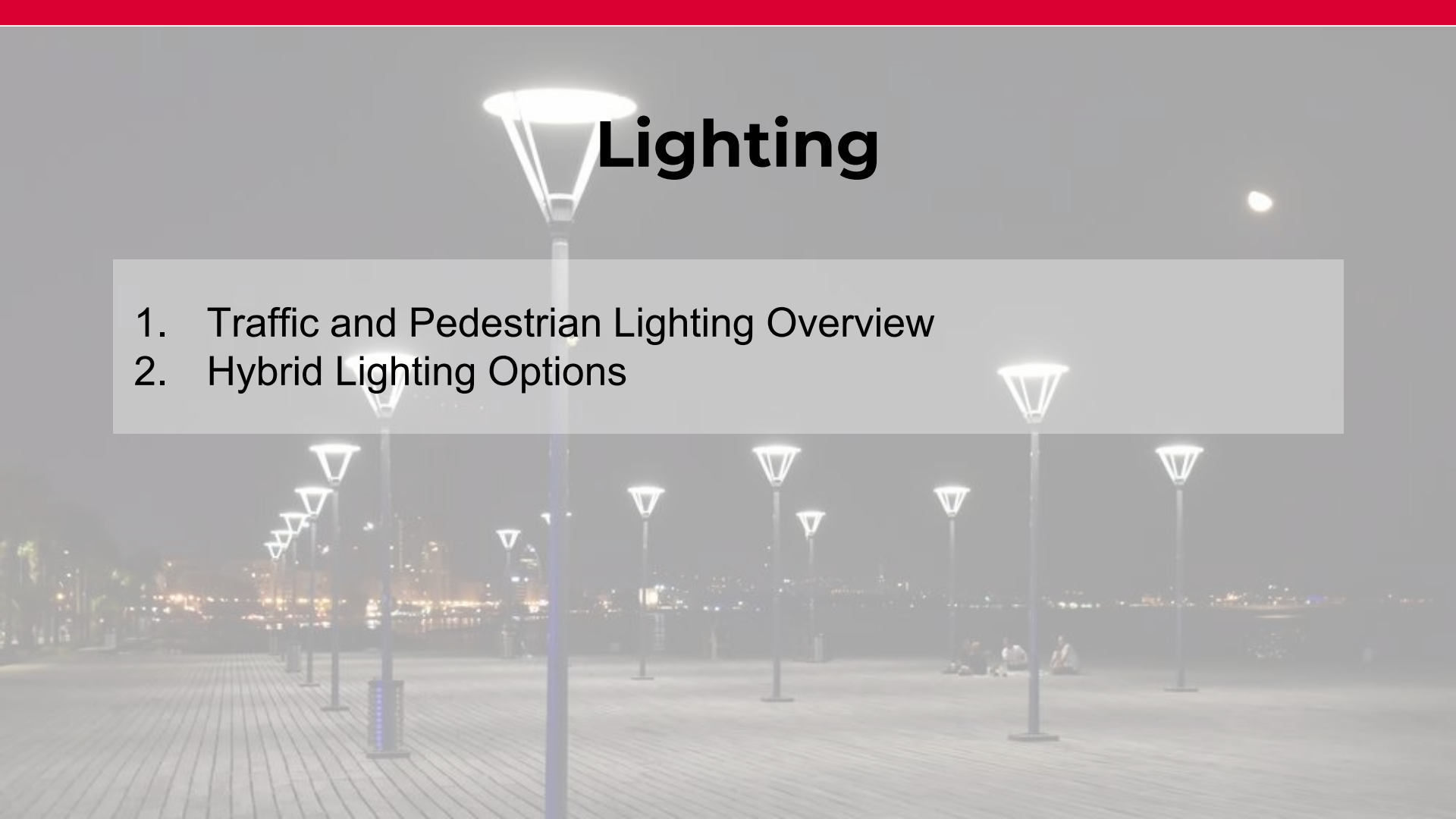
Cedar

Translucent Blue
Glass Panel
Powder Coated Black
Soffit

Enclosed Sitting Area
Standing Bench
Cedar Siding
Trash Receptacle
Brick Siding

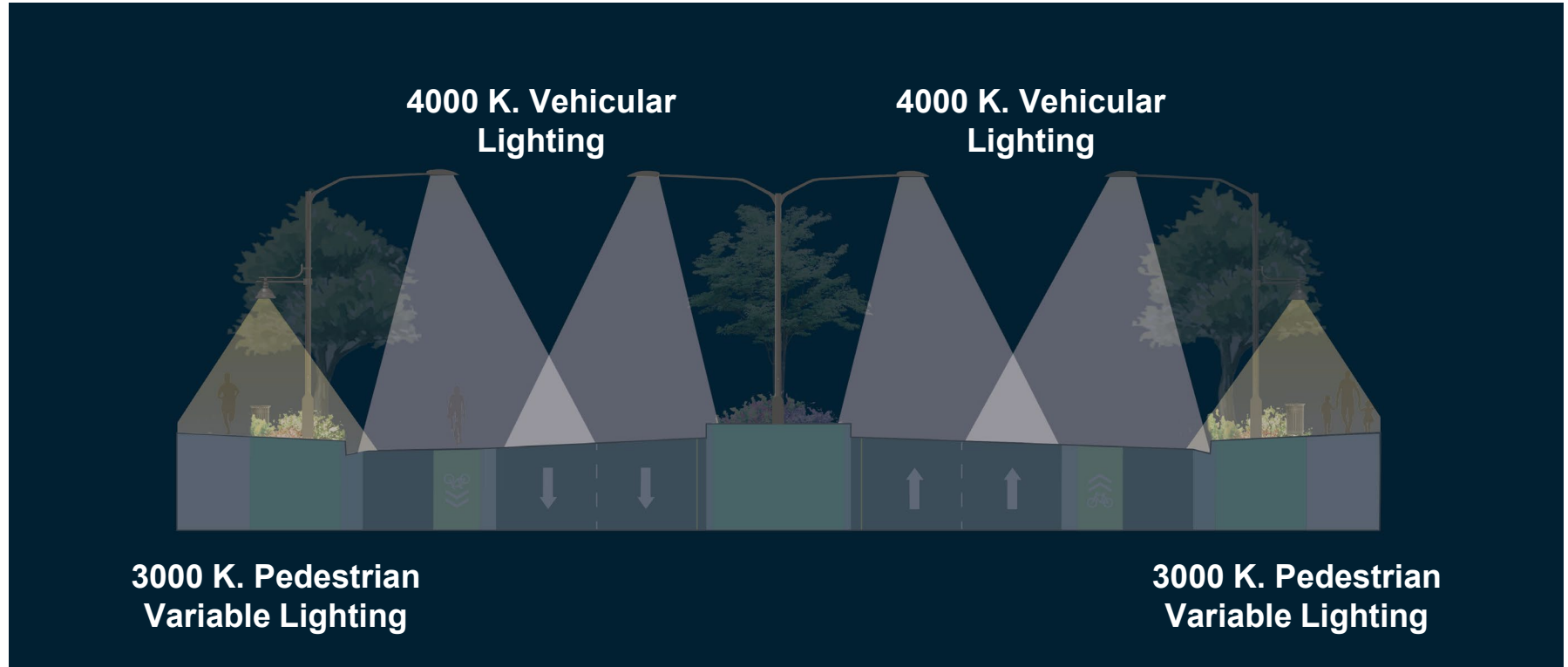


Estimated Cost Per Unit: \$45,000.00

The background image shows a wide, paved promenade at night, likely a waterfront area. Several modern, tall streetlights with conical, illuminated tops are spaced along the path. In the distance, a city skyline is visible across a body of water, with lights reflecting on the surface. A few people are sitting on a bench in the distance. The overall atmosphere is calm and modern.

Lighting

1. Traffic and Pedestrian Lighting Overview
2. Hybrid Lighting Options



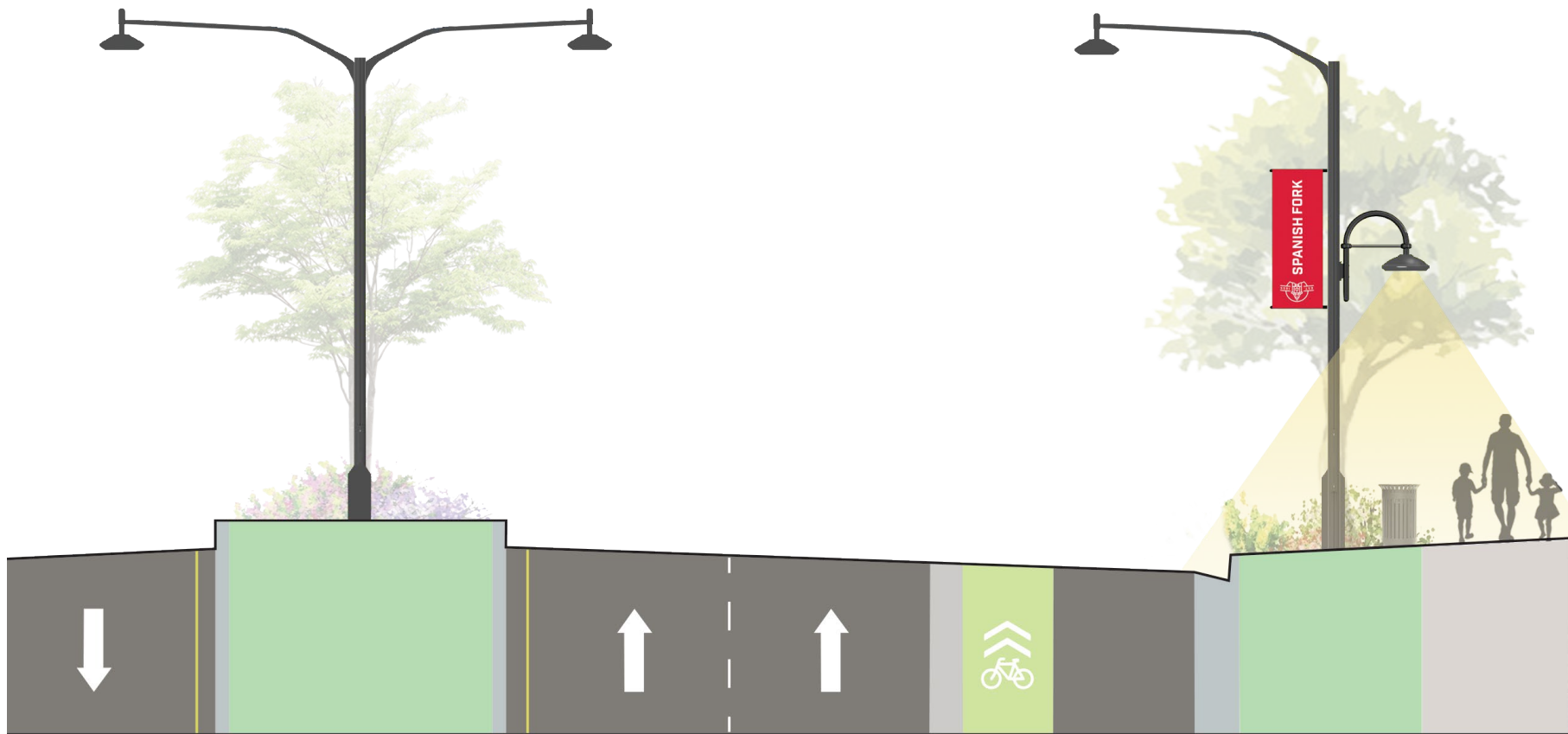
Hybrid Lighting | Pedestrian Option A



Hybrid Lighting | Pedestrian Option B



Hybrid Lighting | Pedestrian Option C



Upcoming: Worksession #3

Nov. 19, 2024

Agenda:

1. Corridor Phasing
2. Main Street Aesthetics Plan
3. Final Bus Stop, Lighting & Signage Decisions
4. Turning Movements Decisions