Conduit requirements

Draft - Not For Construction

C-00 | Total project quantities

Pole utilities

System	Conduits	Size	Route ft	Total ft
Pole outlet power	1 shown	1–2 in	2,250	**2,250**
Street lighting	1 shown	2 / 1¼ in	1,915	**1,915**
Irrigation	1 shown	1¼ in	2,293	**2,293**
Pole fiber · between vaults	2	2 in	2,243	**4,485**
Pole fiber · vault to pole	2	1¼ in	1,779	**3,557**

Dedicated pole fiber: 8,042 ft of conduit

15 vaults | 37 poles | 42 current signal pull boxes

Confirm power and lighting sizes

Power: 1-2 inches. Lighting: 2 inches in the legend; 1¼ inches in the detail.

Signal interconnect proposal

System	Conduits	Size	Route ft	Total ft
Interconnect fiber · main	4	1¼ in	1,323	**5,292**
Interconnect fiber · branches	2	1¼ in	64	**128**
Traffic signals	2 + singles	2 in	537	**945**
Traffic detection	2 + singles	2 in	537	**945**
Signal spare capacity	2	2 in	408	**816**

Current and future work must be separated before ordering.

Signal, detection and spare use the same 408-foot bank; 129 ft of single signal/detection branches.

How to read the quantities

Route ft is the distance on the plan. Total ft includes every conduit in that route.

Pole fiber and signal interconnect are separate systems.

Lengths exclude vertical connections, waste and fiber cable.

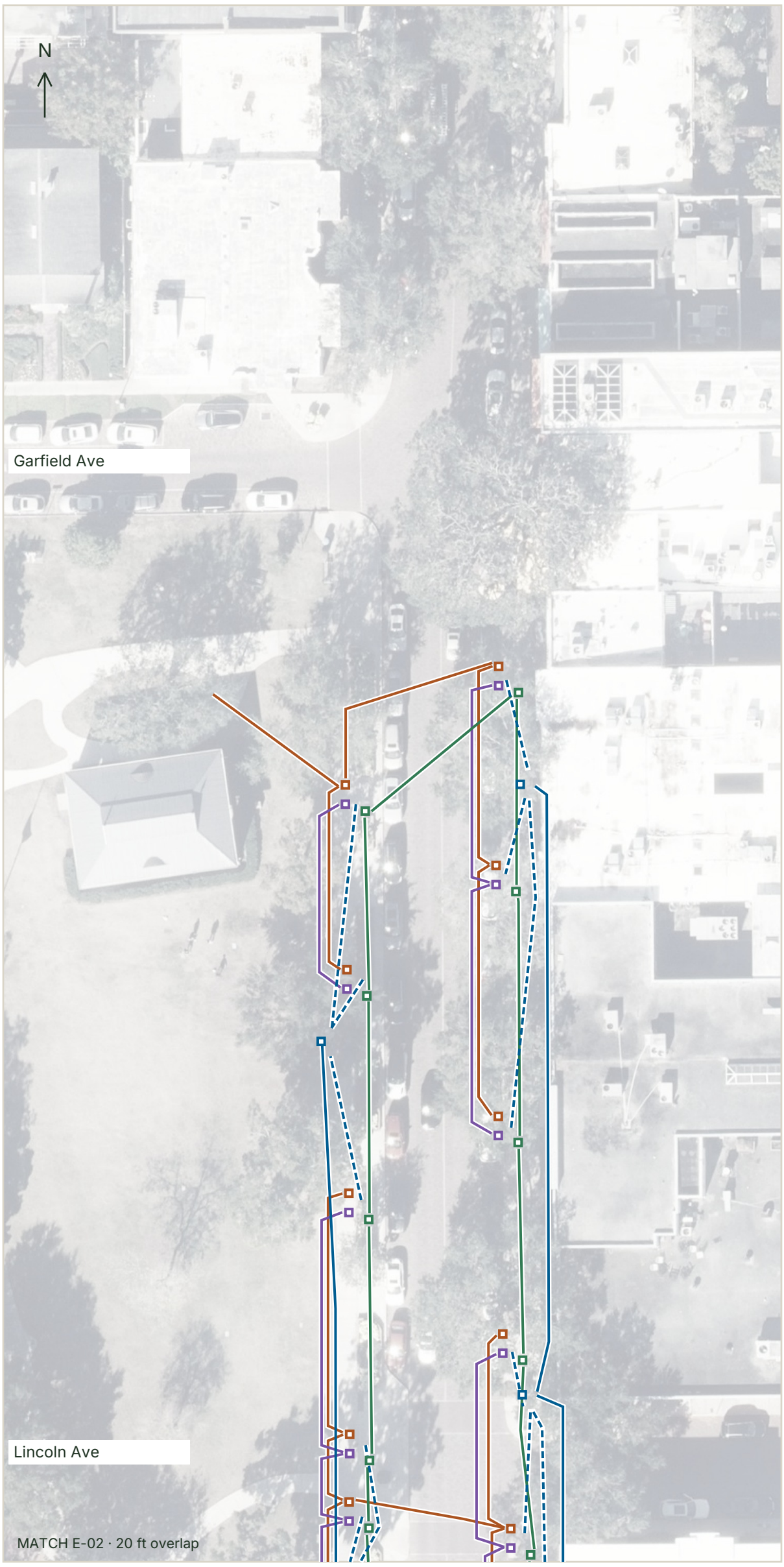
PARK AVENUE | PHASE 2

Conduit plan

Draft - Not For Construction

E-01 | Pole utilities

Directional boring | Total project quantities on C-00



0 20 40 60 80

Feet · 1 inch = 40 feet at 11 Ã— 17 · Print at 100%

27 October 2026 | Confirm quantities against the construction plans.

Pole utilities

Pole outlets & power
1 conduit | size to confirm

Street lighting
1 conduit | size to confirm

Irrigation
1 conduit | 1¼ inch

Fiber: vault to vault
2 conduits | 2 inch

Fiber: vault to pole
2 conduits | 1¼ inch

Squares = boxes and vaults

Dedicated pole fiber

2-inch conduit	**4,485 ft**
1¼-inch conduit	**3,557 ft**
Total conduit	**8,042 ft**

15 vaults | 37 poles

Aerial: OCPA · 2025

Source: Electrical E-3 / E-4

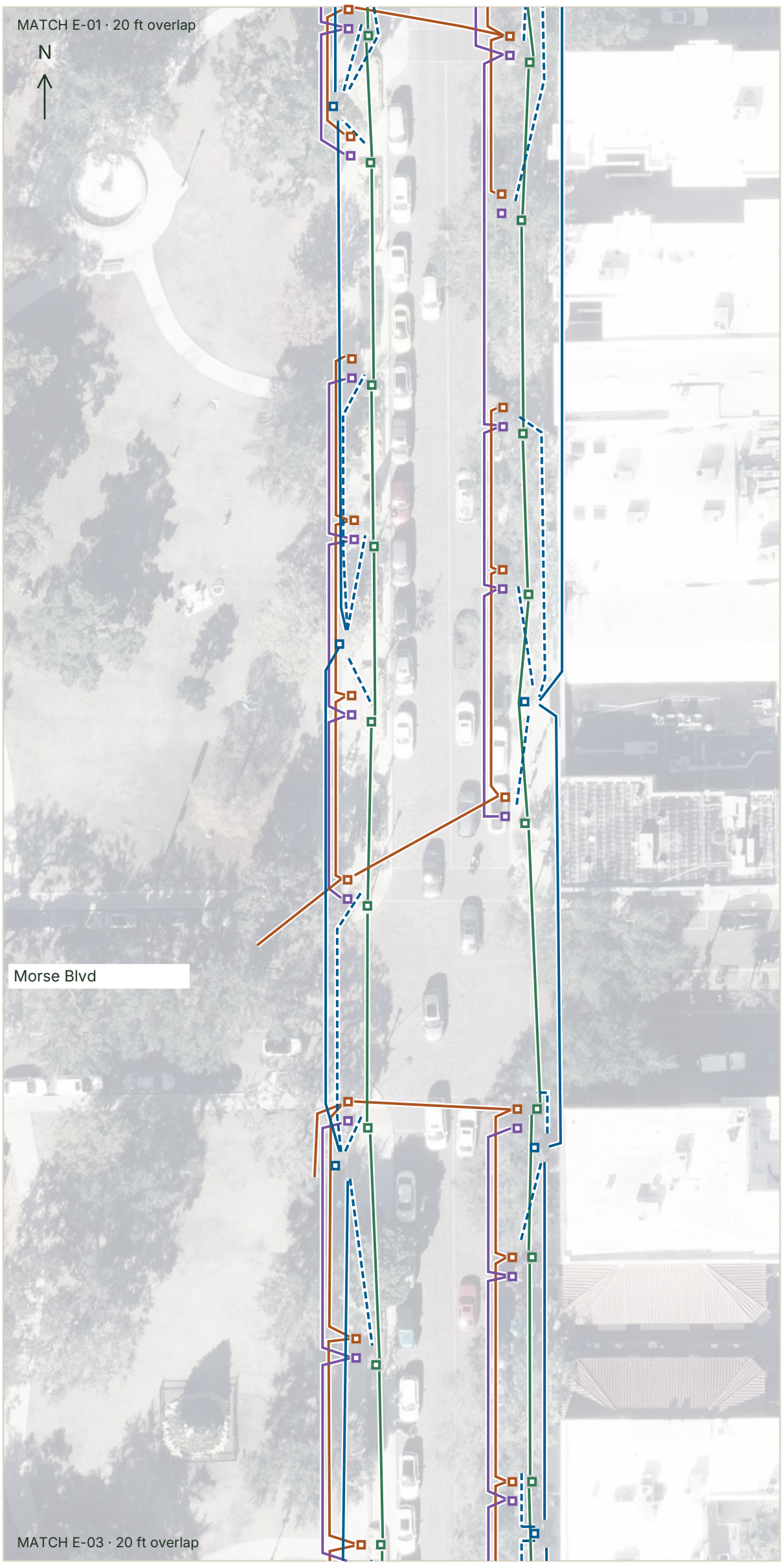
PARK AVENUE | PHASE 2

Conduit plan

Draft - Not For Construction

E-02 | Pole utilities

Directional boring | Total project quantities on C-00



Pole utilities

Pole outlets & power
1 conduit | size to confirm

Street lighting
1 conduit | size to confirm

Irrigation
1 conduit | 1¼ inch

Fiber: vault to vault
2 conduits | 2 inch

Fiber: vault to pole
2 conduits | 1¼ inch

Squares = boxes and vaults

Dedicated pole fiber

2-inch conduit	**4,485 ft**
1¼-inch conduit	**3,557 ft**
Total conduit	**8,042 ft**

15 vaults | 37 poles

0 20 40 60 80

Feet · 1 inch = 40 feet at 11 Ã— 17 · Print at 100%

27 October 2026 | Confirm quantities against the construction plans.

Aerial: OCPA · 2025

Source: Electrical E-3 / E-4

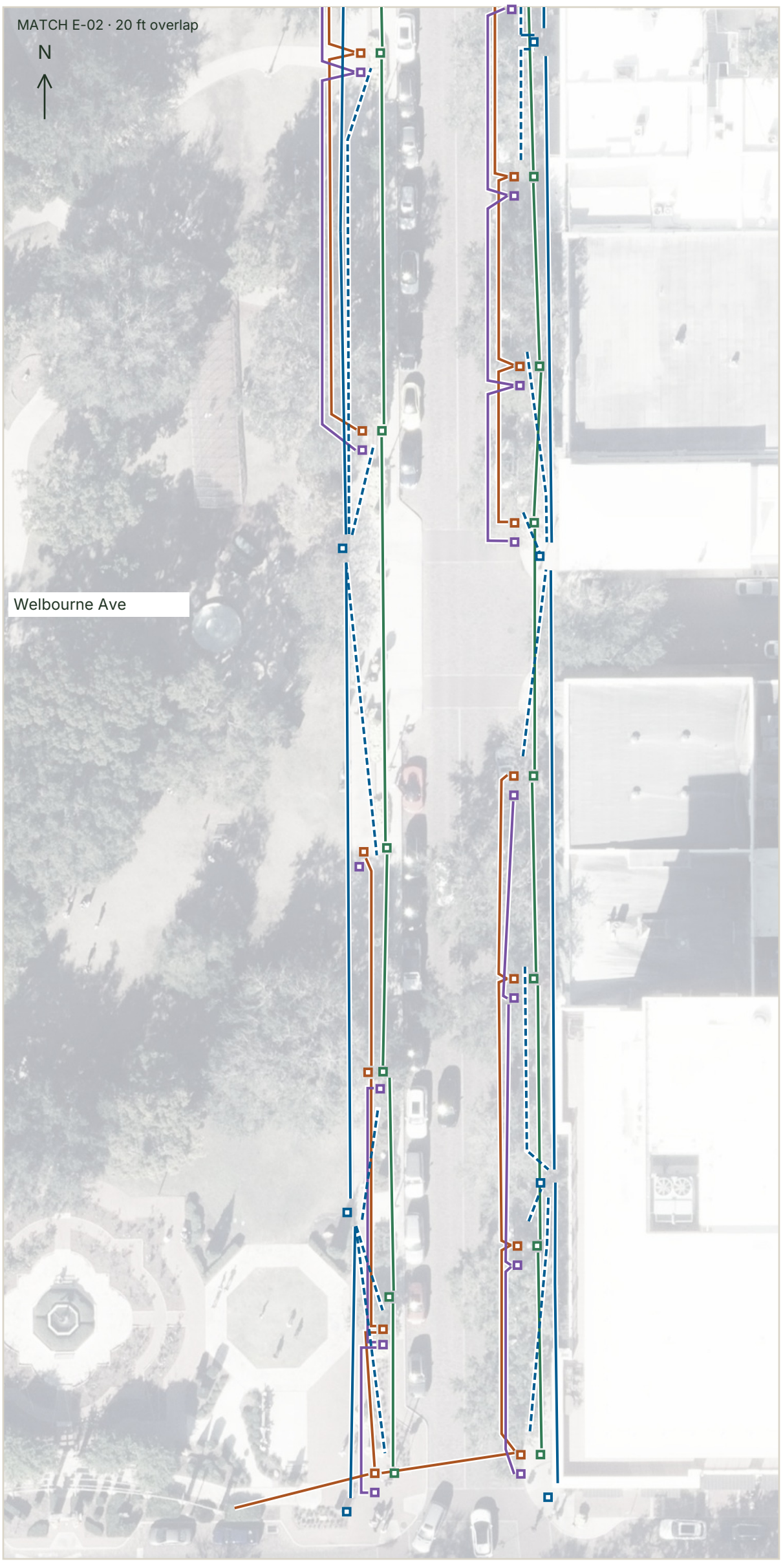
PARK AVENUE | PHASE 2

Conduit plan

Draft - Not For Construction

E-03 | Pole utilities

Directional boring | Total project quantities on C-00



Pole utilities

Pole outlets & power
1 conduit | size to confirm

Street lighting
1 conduit | size to confirm

Irrigation
1 conduit | 1¼ inch

Fiber: vault to vault
2 conduits | 2 inch

Fiber: vault to pole
2 conduits | 1¼ inch

Squares = boxes and vaults

Dedicated pole fiber

2-inch conduit	**4,485 ft**
1¼-inch conduit	**3,557 ft**
Total conduit	**8,042 ft**

15 vaults | 37 poles

0 20 40 60 80

Feet · 1 inch = 40 feet at 11 Ã— 17 · Print at 100%

27 October 2026 | Confirm quantities against the construction plans.

Aerial: OCPA · 2025

Source: Electrical E-3 / E-4

PARK AVENUE | PHASE 2

Conduit plan

Draft - Not For Construction

IT-01 | Signal interconnect

Directional boring | Total project quantities on C-00

PDF alignment within 3 ft. Proposal totals include future work.



Signal interconnect

Interconnect routes

Fiber, signal, detection, spare

Conduits per route

Fiber main	**4 | 1¼ inch**
Fiber branches	**2 | 1¼ inch**
Signal	**2 | 2 inch**
Detection	**2 | 2 inch**
Spare	**2 | 2 inch**

Phase quantities to confirm

Use the source plans for each run.

6 pedestrian branches: 129 route ft

1 signal + 1 detection per branch

12 future pedestrian pedestals

0 20 40 60 80

Feet · 1 inch = 40 feet at 11 Ã— 17 · Print at 100%

27 October 2026 | Confirm quantities against the construction plans.

Aerial: OCPA · 2025

Source: IT PDF 18 Oct / IT-4–IT-6

PARK AVENUE | PHASE 2

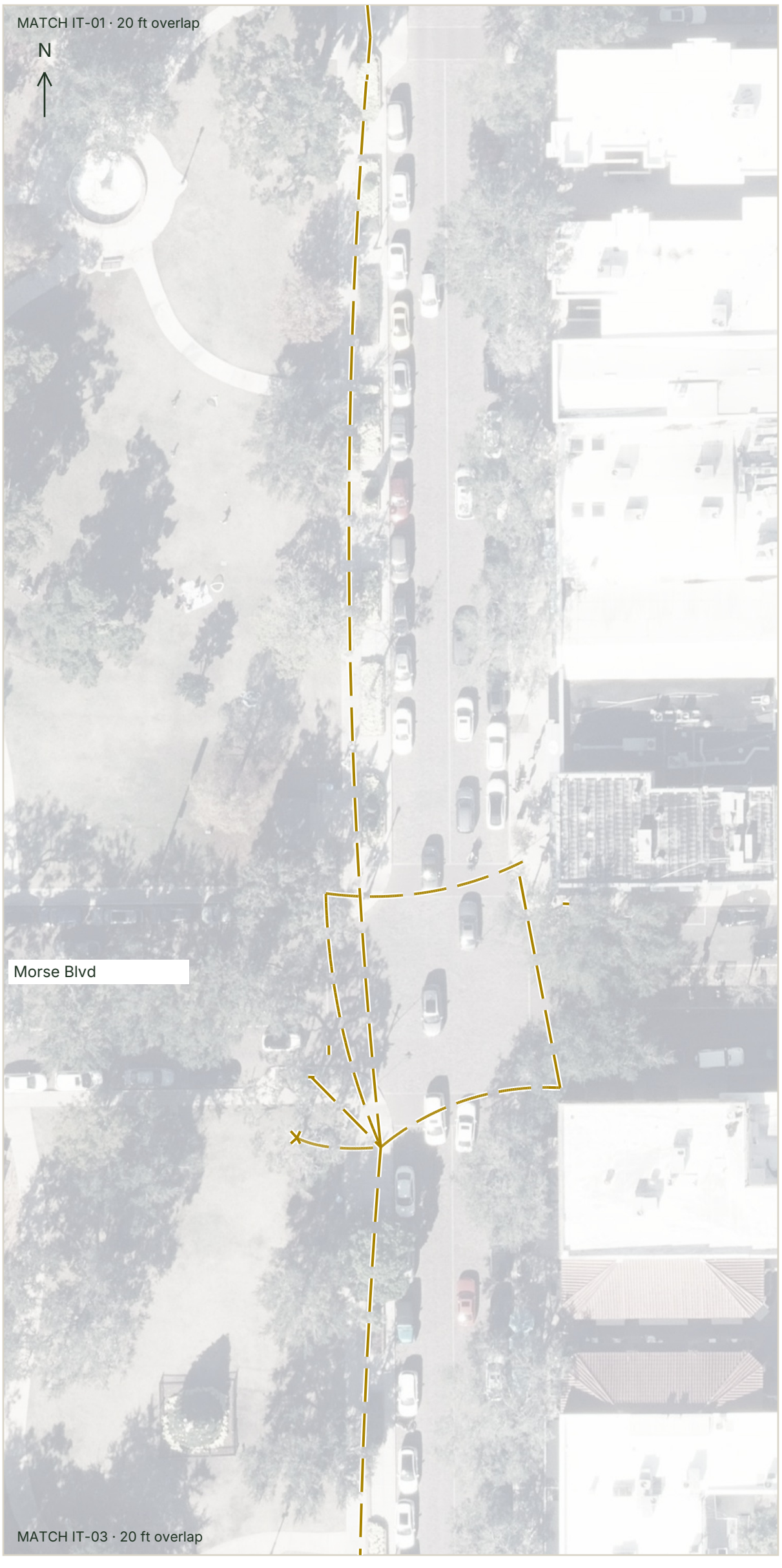
Conduit plan

Draft - Not For Construction

IT-02 | Signal interconnect

Directional boring | Total project quantities on C-00

PDF alignment within 3 ft. Proposal totals include future work.



Signal interconnect

Interconnect routes

Fiber, signal, detection, spare

Conduits per route

Fiber main	**4 | 1¼ inch**
Fiber branches	**2 | 1¼ inch**
Signal	**2 | 2 inch**
Detection	**2 | 2 inch**
Spare	**2 | 2 inch**

Phase quantities to confirm

Use the source plans for each run.

6 pedestrian branches: 129 route ft

1 signal + 1 detection per branch

12 future pedestrian pedestals

0 20 40 60 80

Feet · 1 inch = 40 feet at 11 Ã— 17 · Print at 100%

27 October 2026 | Confirm quantities against the construction plans.

Aerial: OCPA · 2025

Source: IT PDF 18 Oct / IT-4–IT-6

PARK AVENUE | PHASE 2

Conduit plan

Draft - Not For Construction

IT-03 | Signal interconnect

Directional boring | Total project quantities on C-00

PDF alignment within 3 ft. Proposal totals include future work.



Signal interconnect

Interconnect routes

Fiber, signal, detection, spare

Conduits per route

Fiber main	**4 | 1¼ inch**
Fiber branches	**2 | 1¼ inch**
Signal	**2 | 2 inch**
Detection	**2 | 2 inch**
Spare	**2 | 2 inch**

Phase quantities to confirm

Use the source plans for each run.

6 pedestrian branches: 129 route ft

1 signal + 1 detection per branch

12 future pedestrian pedestals

0 20 40 60 80

Feet · 1 inch = 40 feet at 11 Ã— 17 · Print at 100%

27 October 2026 | Confirm quantities against the construction plans.

Aerial: OCPA · 2025

Source: IT PDF 18 Oct / IT-4–IT-6