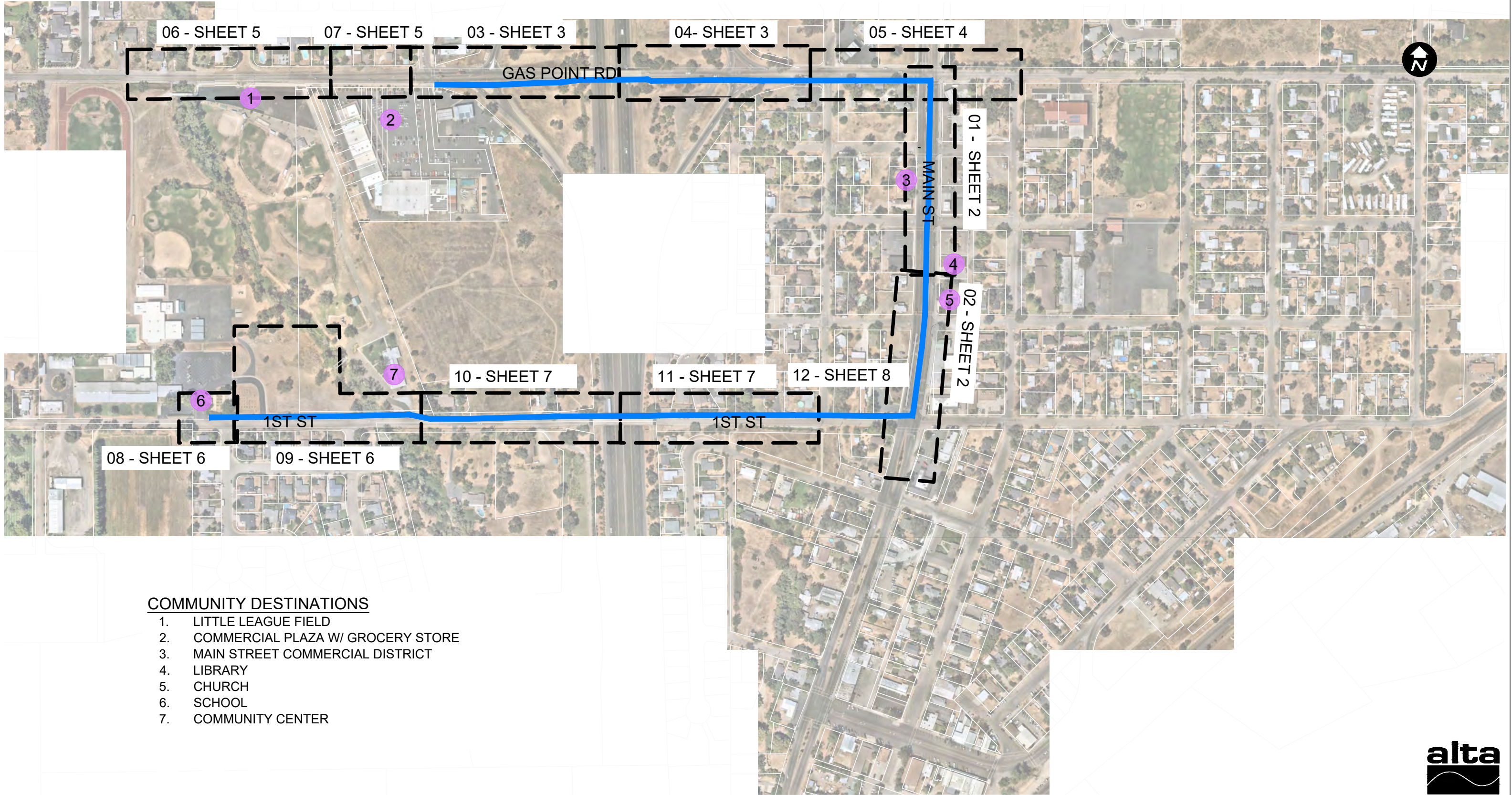


Appendix B

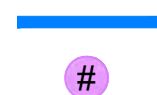


COMMUNITY DESTINATIONS

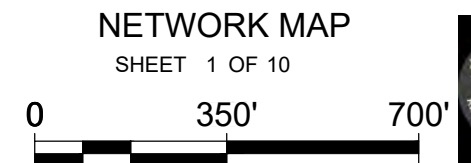
1. LITTLE LEAGUE FIELD
2. COMMERCIAL PLAZA W/ GROCERY STORE
3. MAIN STREET COMMERCIAL DISTRICT
4. LIBRARY
5. CHURCH
6. SCHOOL
7. COMMUNITY CENTER



COTTONWOOD ACTIVE TRANSPORTATION
WEST COTTONWOOD CONNECTOR NETWORK
SUSTAINABLE SHASTA

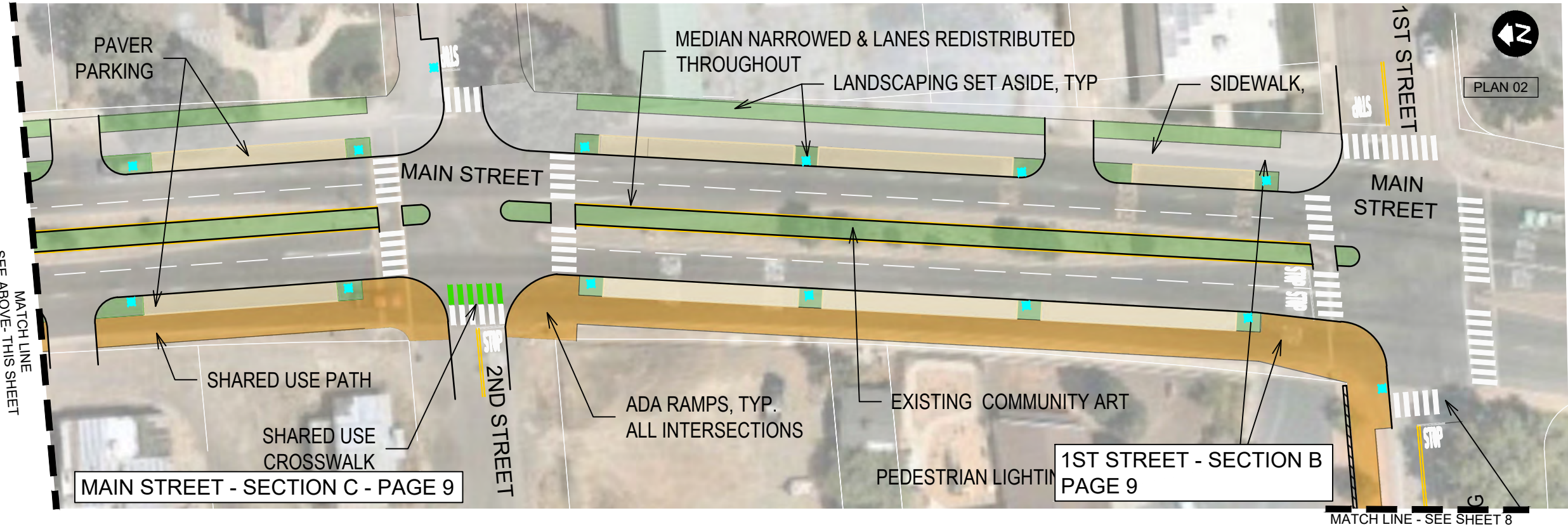
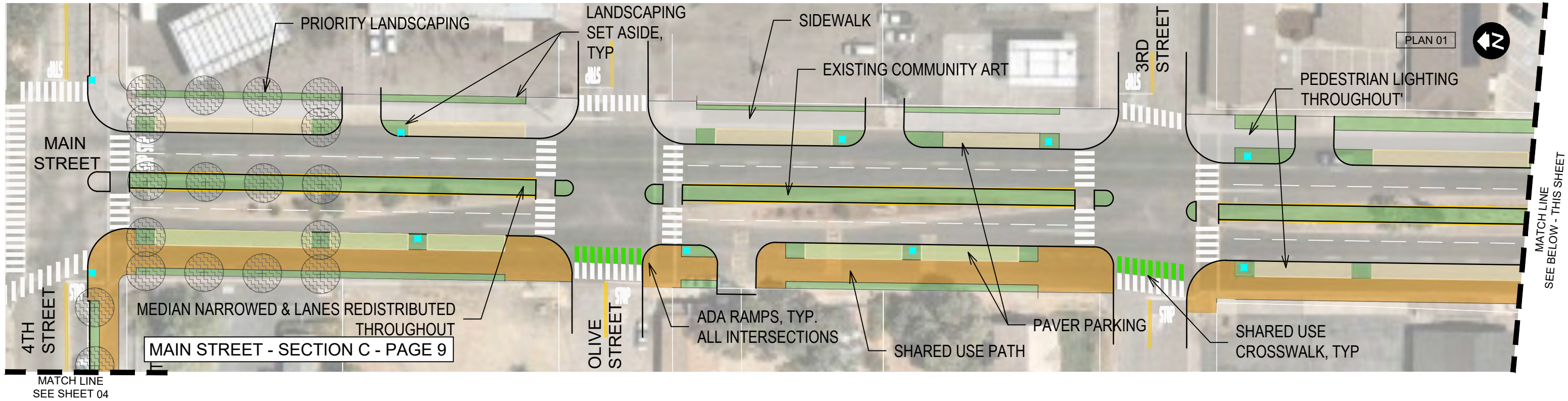


WEST COTTONWOOD CONNECTOR NETWORK
COMMUNITY DESTINATION



NETWORK MAP
SHEET 1 OF 10





**COTTONWOOD ACTIVE TRANSPORTATION
WEST COTTONWOOD CONNECTOR NETWORK**

SUSTAINABLE SHASTA

This Sheet:
No ROW Acquisition Required
Various Utility Relocations Required

- Pedestrian Lighting
- Sidewalk, Curb, Gutter
- Pedestrian Path
- Shared Use Path

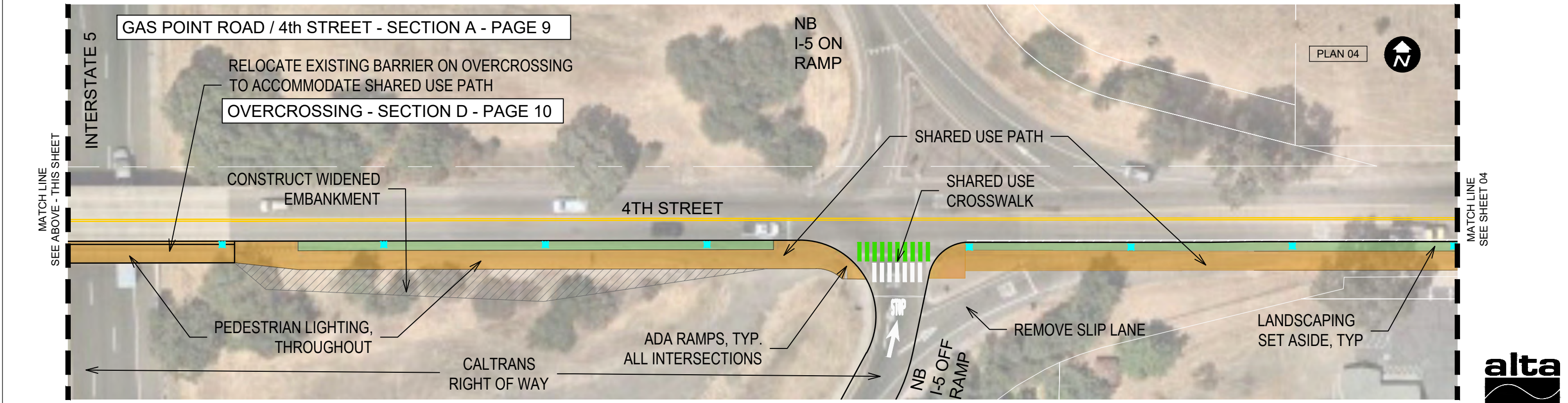
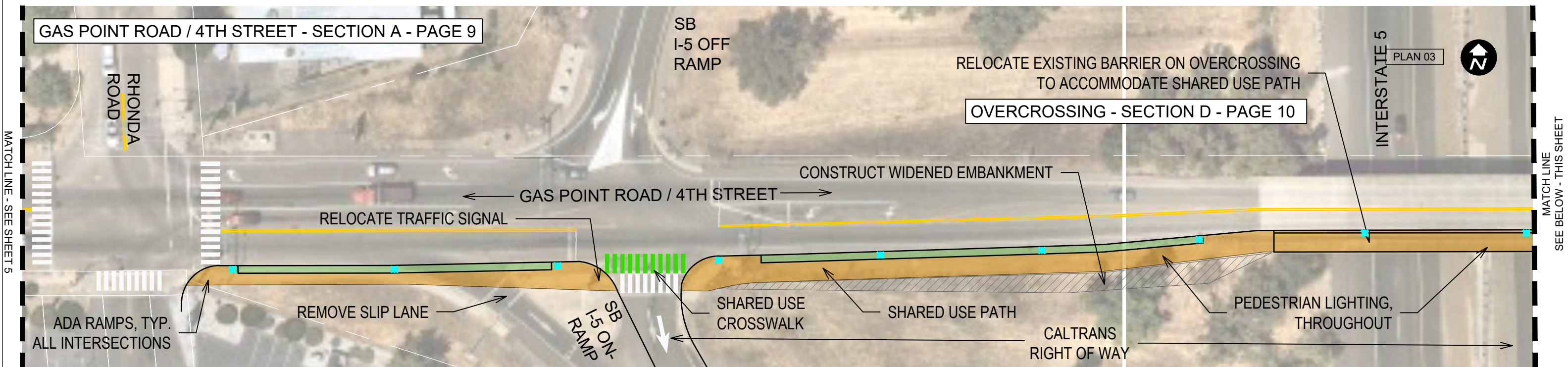
- Landscaping Set Aside (Xeriscape/
Hardscape/Community Developed
Landscaping)
- Paver Parking

- Priority Landscaping (Xeriscape/
Hardscape/Community Developed
Landscaping)
- Cottonwood Historic District
SRTA-Funded, pending ATP Award

MAIN STREET
SHEET 2 OF 10



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**COTTONWOOD ACTIVE TRANSPORTATION
WEST COTTONWOOD CONNECTOR NETWORK**

SUSTAINABLE SHASTA

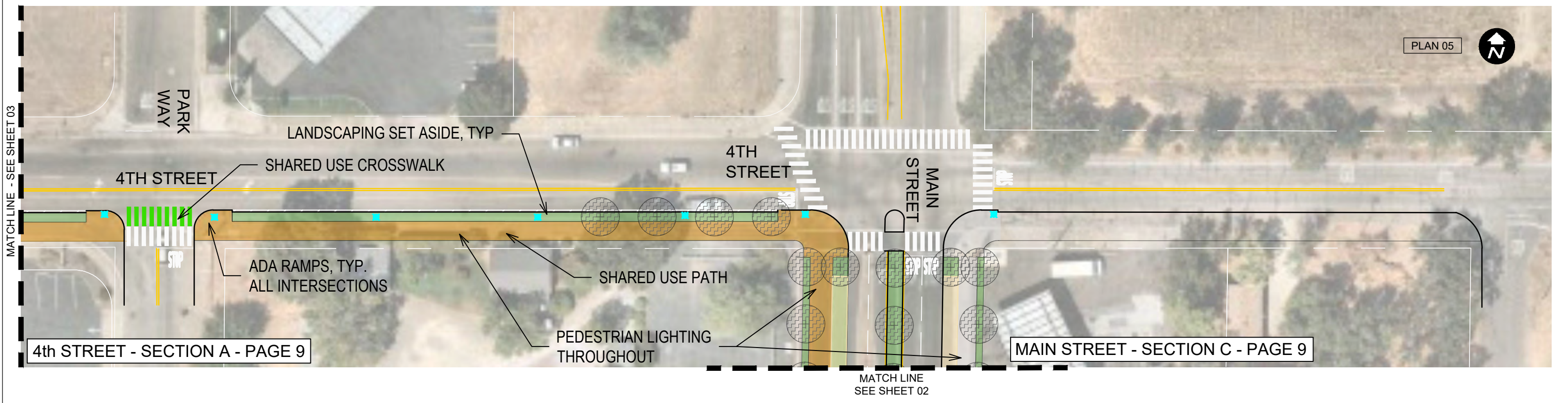
This Sheet:
No ROW Acquisition Required
Various Utility Relocations Required

- Pedestrian Lighting
- Sidewalk, Curb, Gutter
- Pedestrian Path
- Shared Use Path

- Landscaping Set Aside (Xeriscape/
Hardscape/Community Developed
Landscaping)
- Paver Parking

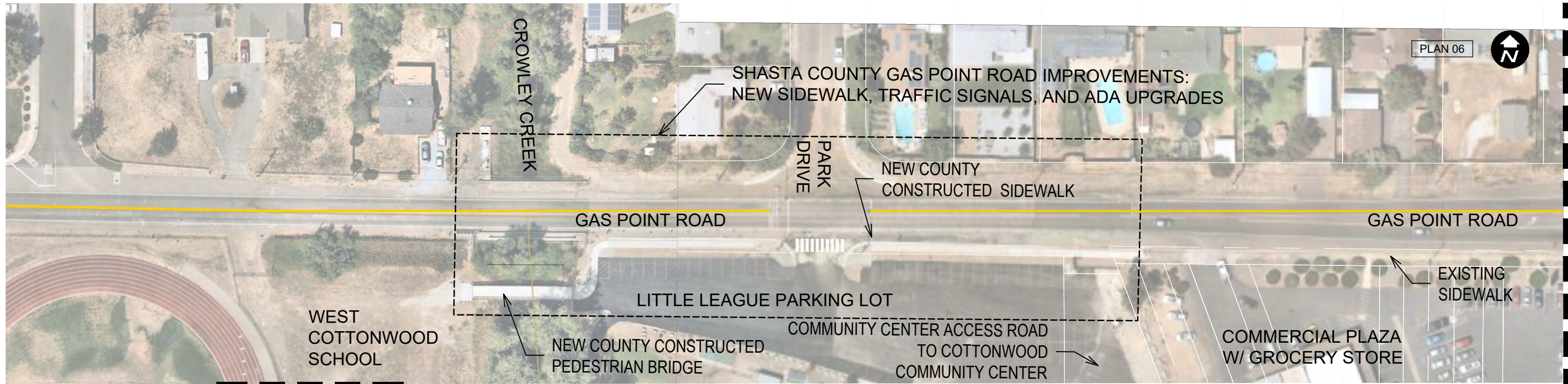
- Priority Landscaping (Xeriscape/
Hardscape/Community Developed
Landscaping)
- Cottonwood Historic District
SRTA-Funded, pending ATP Award

GAS POINT ROAD / 4TH STREET
SHEET 3 OF 10



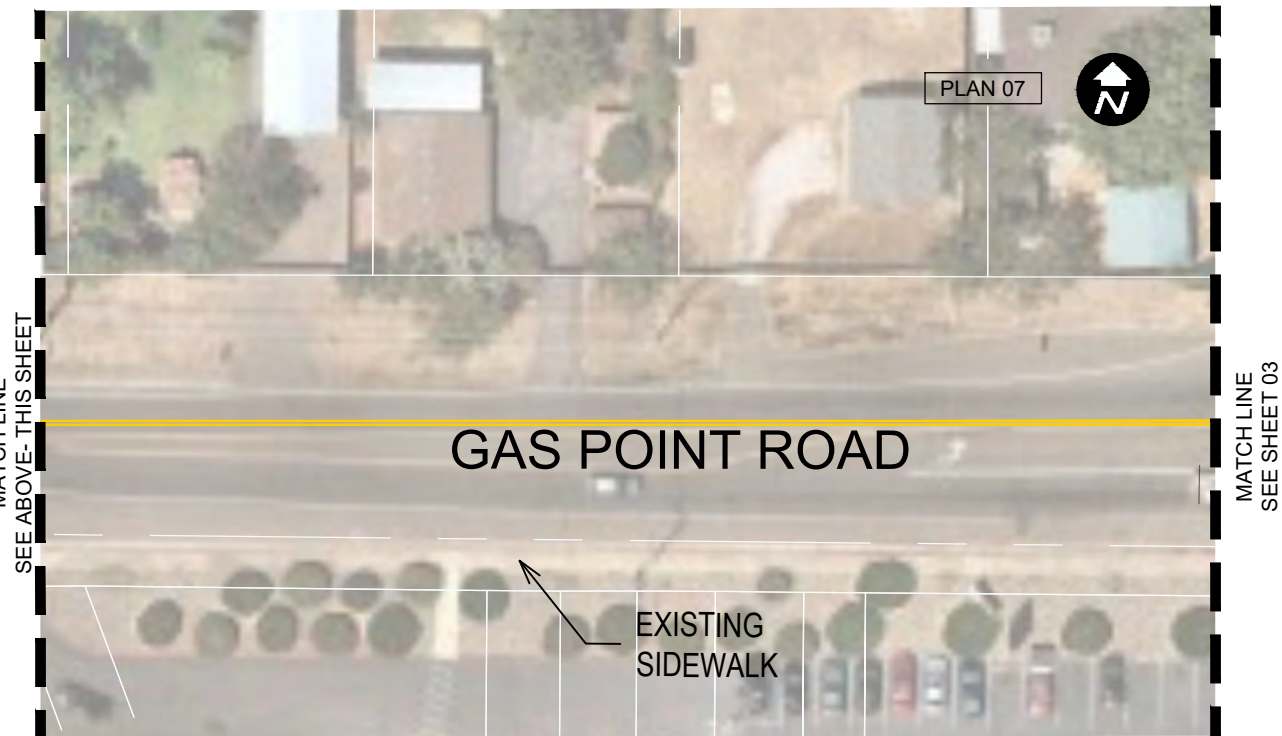
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W:\Cottonwood Cycle 5 ATP\Drawings\CAD\Alta 09102020 Updates\WEST CONN\Alta.dwg



MATCH LINE
SEE SHEET 14

MATCH LINE
SEE BELOW - THIS SHEET



MATCH LINE
SEE ABOVE - THIS SHEET

MATCH LINE
SEE SHEET 03

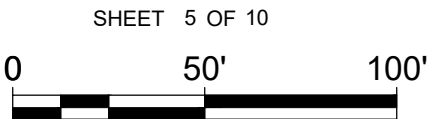
EXISTING GAS POINT
ROAD IMPROVEMENTS



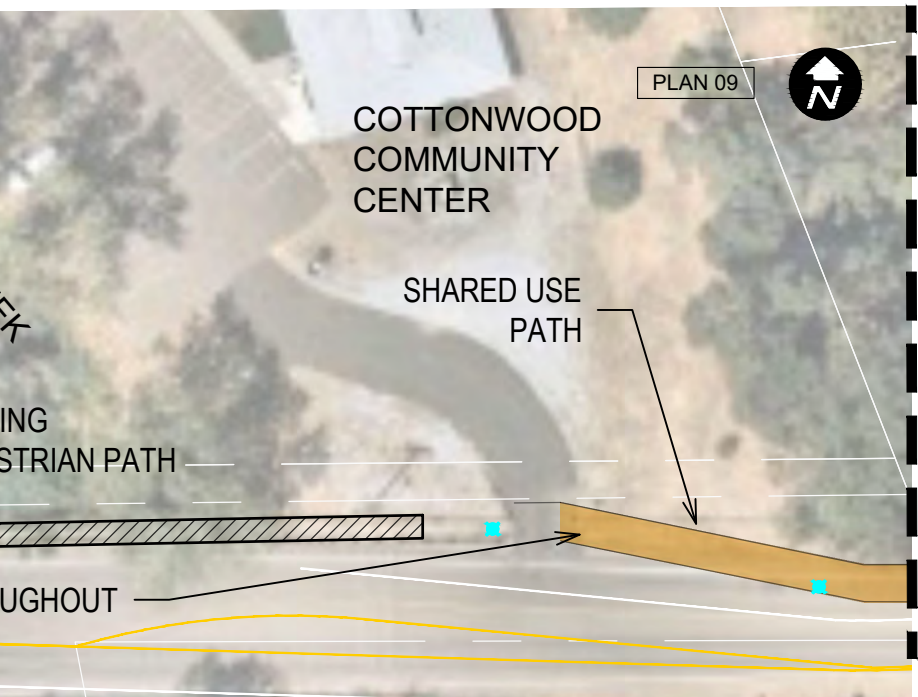
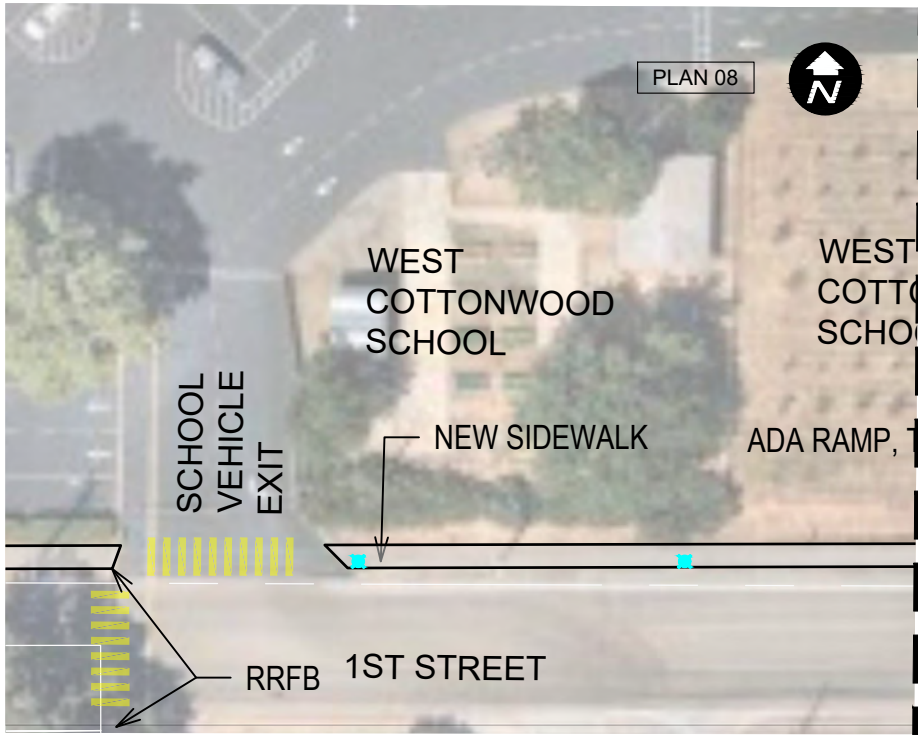
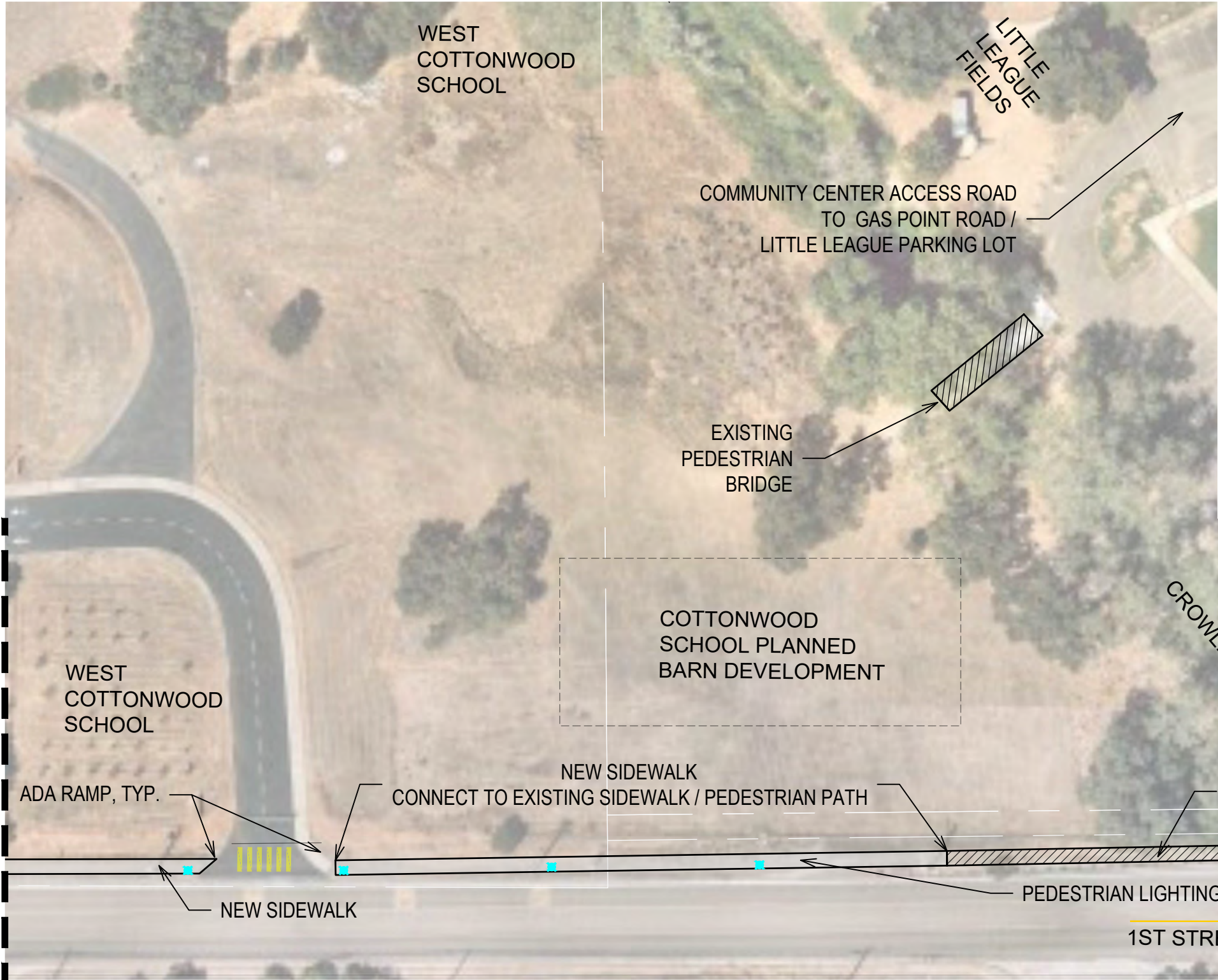
**COTTONWOOD ACTIVE TRANSPORTATION
WEST COTTONWOOD CONNECTOR NETWORK**
SUSTAINABLE SHASTA

This Sheet:
No ROW Acquisition Required
Various Utility Relocations Required

- Pedestrian Lighting
- Sidewalk, Curb, Gutter
- Pedestrian Path
- Shared Use Path
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Hardscape/Community Developed
Landscaping)
- Paver Parking
- Priority Landscaping (Xeriscape/
Hardscape/Community Developed
Landscaping)
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1ST STREET - SECTION B - PAGE 9



**COTTONWOOD ACTIVE TRANSPORTATION
WEST COTTONWOOD CONNECTOR NETWORK**
SUSTAINABLE SHASTA

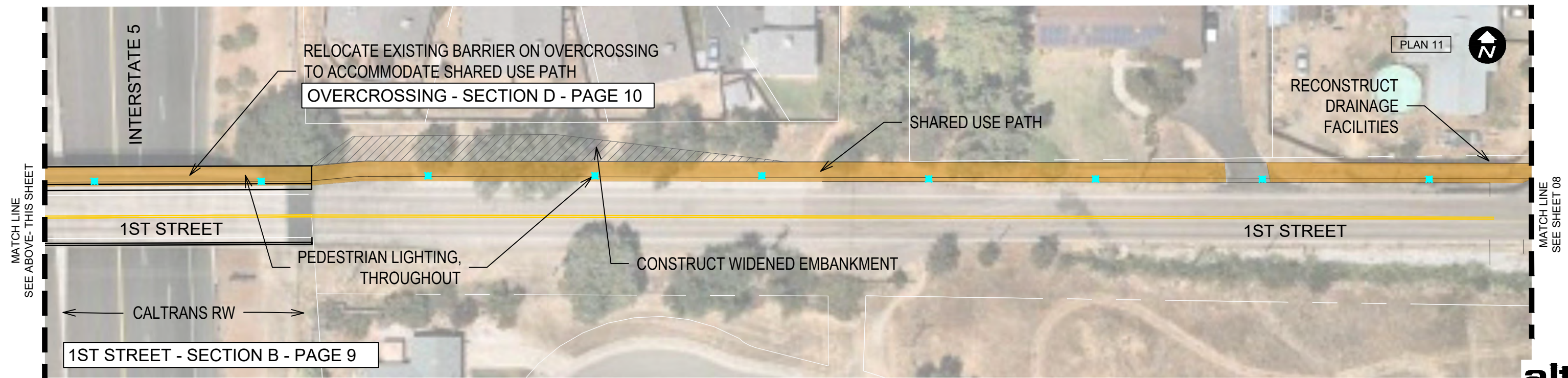
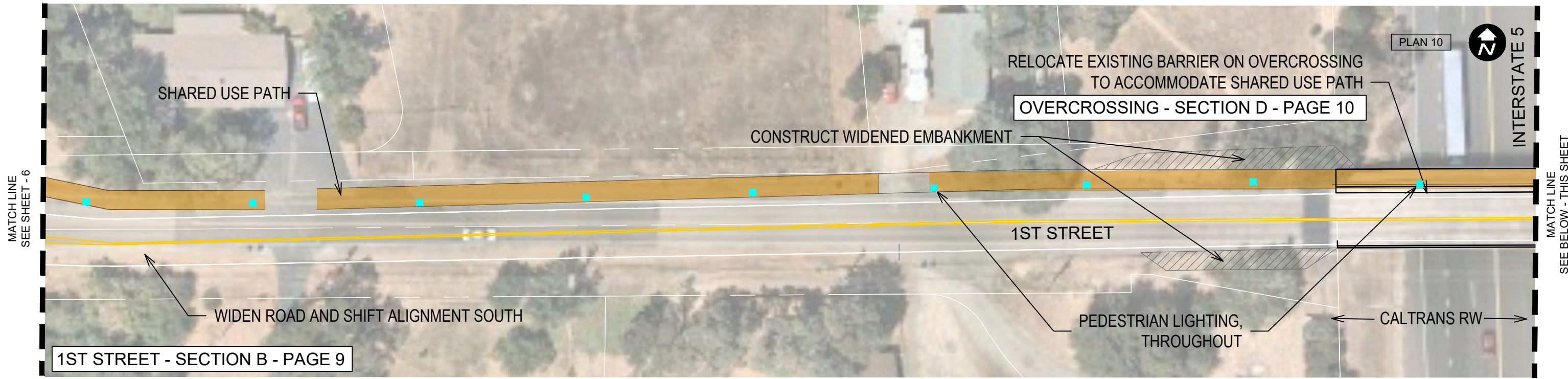
This Sheet:
No ROW Acquisition Required
Various Utility Relocations Required

- Pedestrian Lighting
- Sidewalk, Curb, Gutter
- Pedestrian Path
- Shared Use Path

- Landscaping Set Aside (Xeriscape/
Hardscape/Community Developed
Landscaping)
- Paver Parking

- Priority Landscaping (Xeriscape/
Hardscape/Community Developed
Landscaping)





**COTTONWOOD ACTIVE TRANSPORTATION
WEST COTTONWOOD CONNECTOR NETWORK**

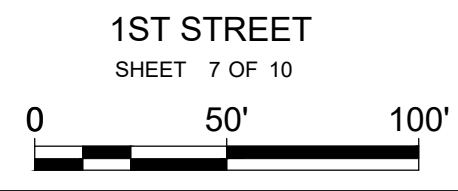
SUSTAINABLE SHASTA

This Sheet:
No ROW Acquisition Required
Various Utility Relocations Required

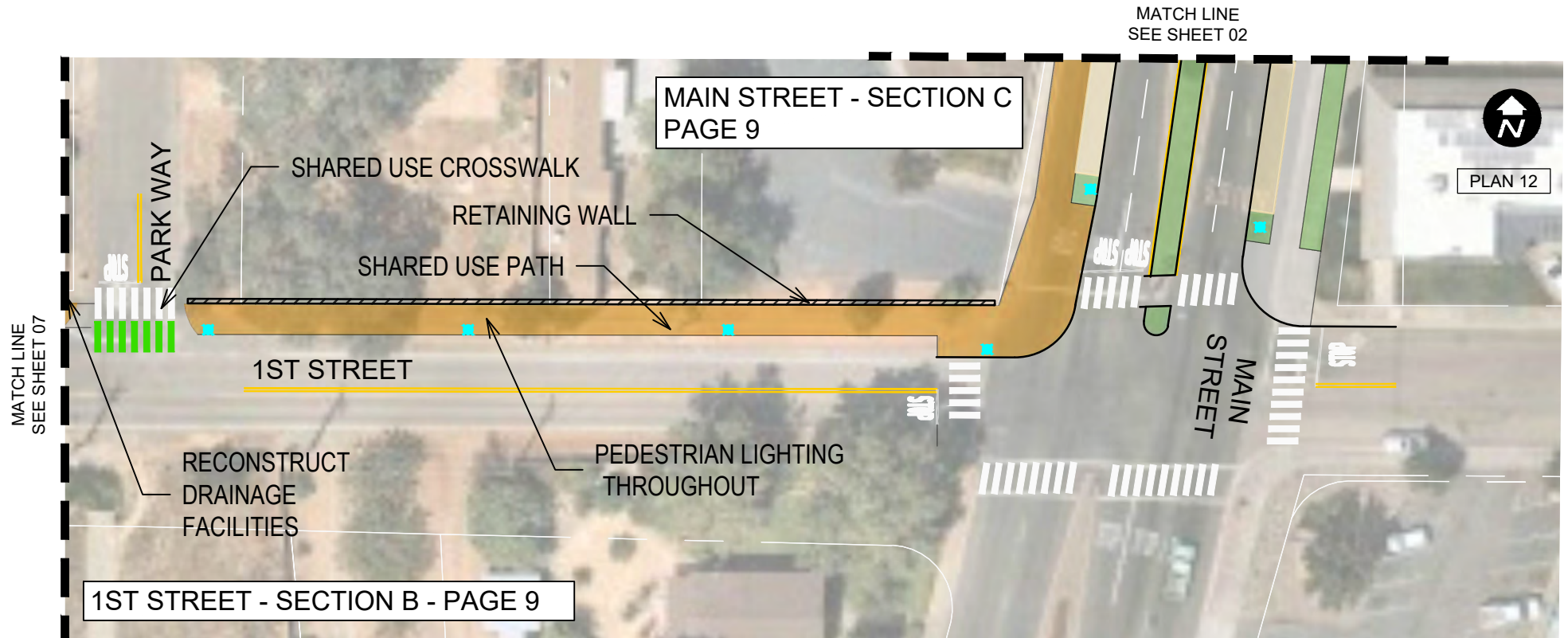
- Pedestrian Lighting
- Sidewalk, Curb, Gutter
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Landscaping)
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Landscaping)
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SRTA-Funded, pending ATP Award



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COTTONWOOD ACTIVE TRANSPORTATION WEST COTTONWOOD CONNECTOR NETWORK

SUSTAINABLE SHASTA

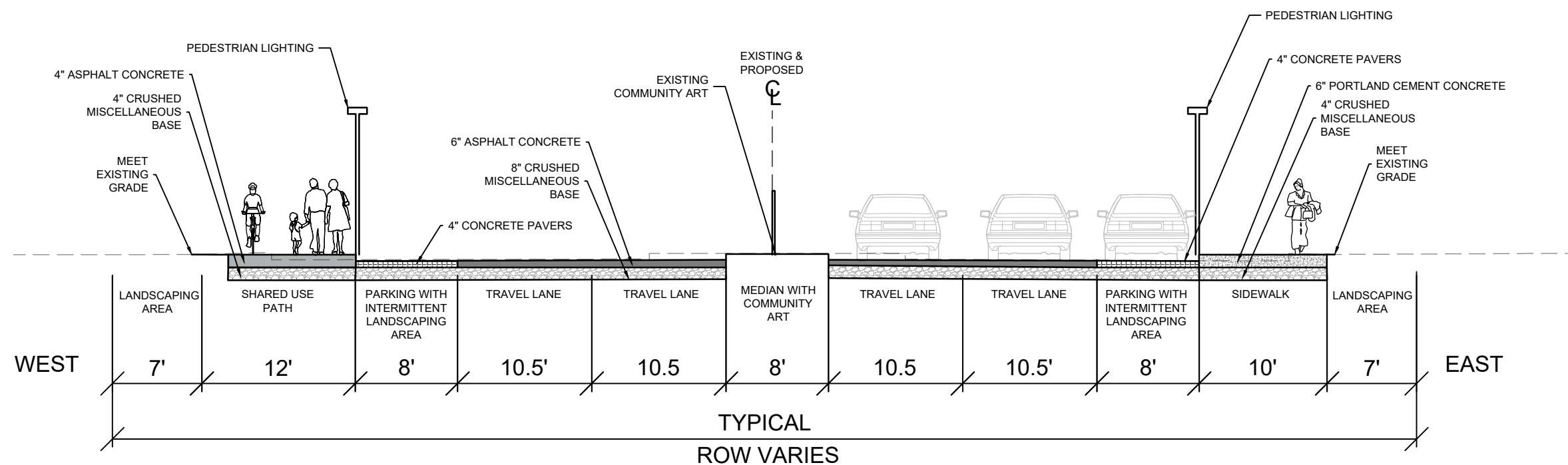
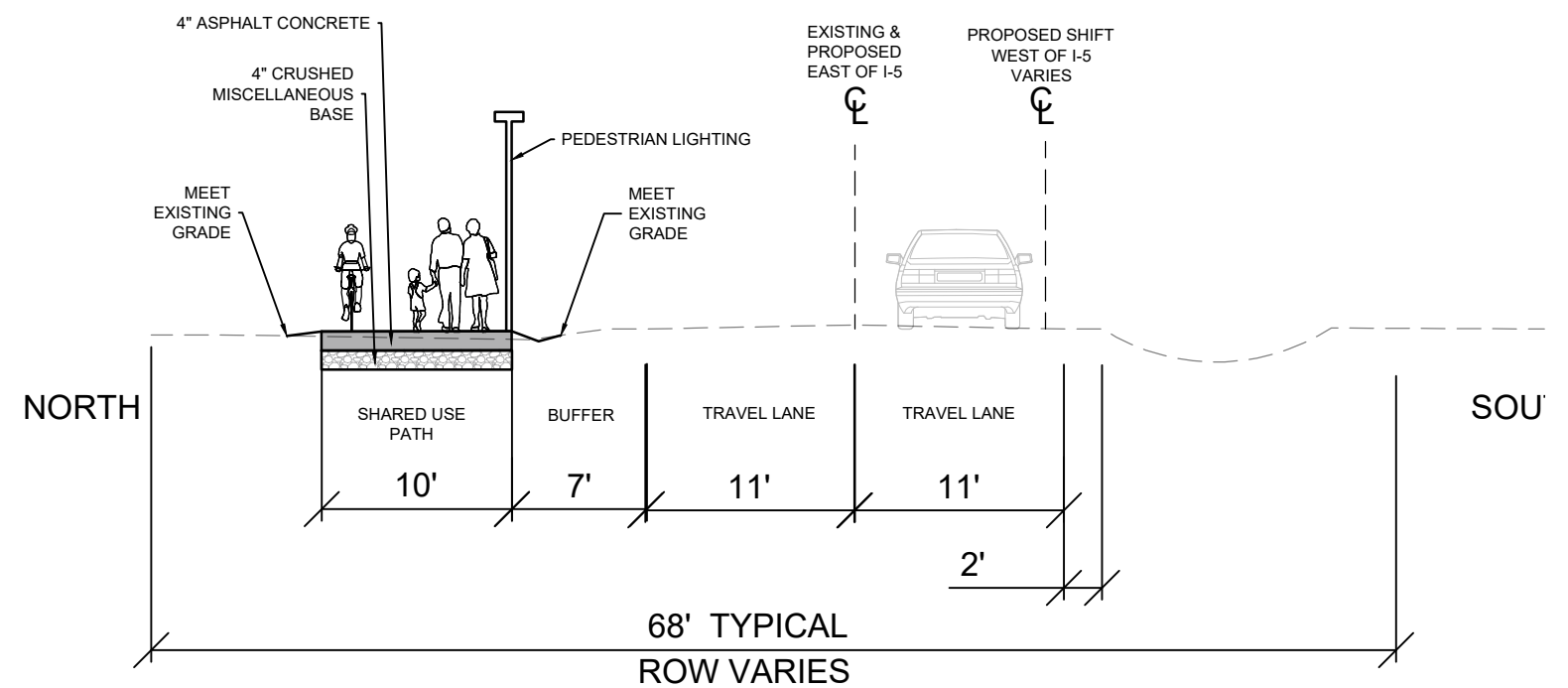
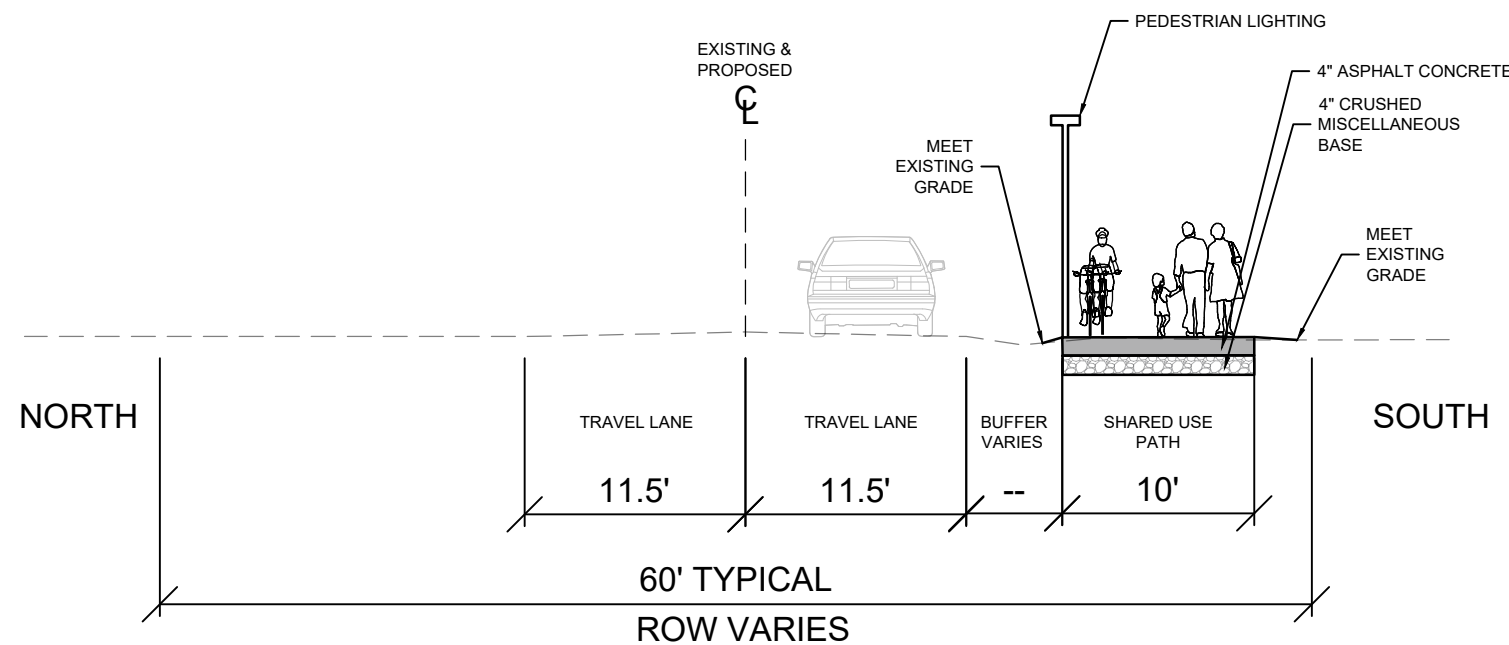
This Sheet:
No ROW Acquisition Required
Various Utility Relocations Required

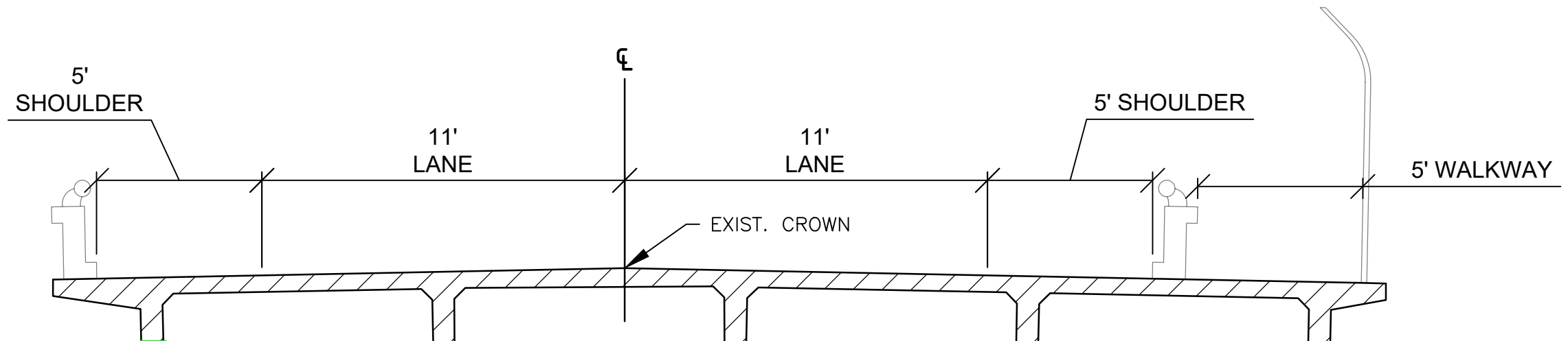
- Pedestrian Lighting
- Sidewalk, Curb, Gutter
- Pedestrian Path
- Shared Use Path

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Landscaping)
- Paver Parking

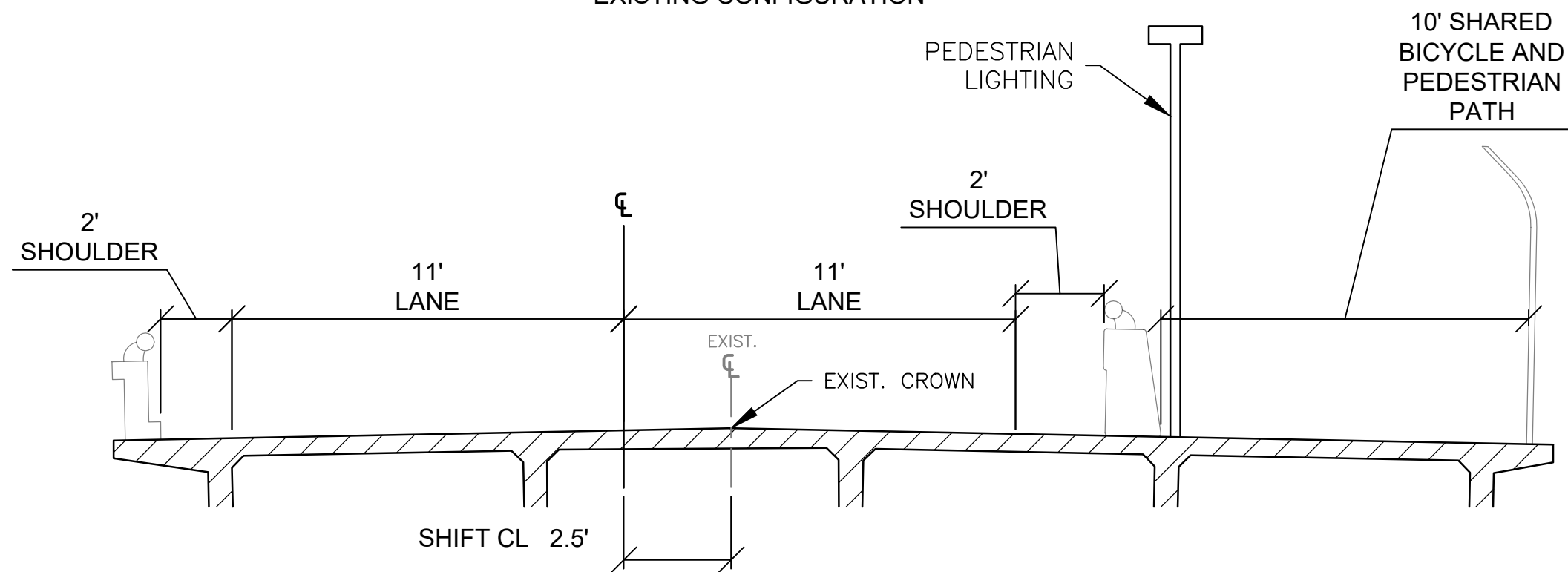
- Priority Landscaping (Xeriscape/
Hardscape/Community Developed
Landscaping)
- Cottonwood Historic District
SRTA-Funded, pending ATP Award







EXISTING CONFIGURATION



PROPOSED CROSSING CONFIGURATION

SECTION D

INTERSTATE 5 OVERCROSSINGS

4TH STREET: AS SHOWN W/ PATH ON SOUTH SIDE OF STRUCTURE

1ST ST: AS SHOWN W/ PATH ON NORTH SIDE OF STRUCTURE



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Detailed Engineer's Estimate and Total Project Costs- Cycle 5 v1.3

Important: Read the Instructions in the first sheet (tab) before entering data. Do not enter data in shaded fields (with formulas).

Project Information:

Agency: Shasta County Department of Public Works

Date: 08/28/2020

Project Description: Cottonwood West Connector Bicycle and Pedestrian Network

Project Location: Shasta County - Cottonwood

Licensed Engineer in responsible charge of preparing or reviewing this PSR-Equivalent Cost Estimate: John A. Heath

License #: 70823

Engineer's Estimate and Cost Breakdown:

Engineer's Estimate (for Construction Items Only)						Cost Breakdown					
						ATP Eligible Costs/Items		ATP Ineligible Costs/Items		Corps/CCC to construct	
Item No.	Item	Quantity	Units	Unit Cost	Total Item Cost	%	\$	%	\$	%	\$
General Overhead-Related Construction Items											
1	Mobilization	1	LS	\$ 80,000.00	\$80,000	100%	\$80,000	0%	\$0		\$0
2	Traffic Control	1	LS	\$ 120,000.00	\$120,000	100%	\$120,000	0%	\$0		\$0
3	Stormwater Protection Plan	1	LS	\$ 80,000.00	\$80,000	100%	\$80,000	0%	\$0		\$0
4	Job Site Management	1	LS	\$ 60,000.00	\$60,000	100%	\$60,000	0%	\$0		\$0
5					\$0	100%	\$0	0%	\$0		\$0
6					\$0	100%	\$0	0%	\$0		\$0
7					\$0	100%	\$0	0%	\$0		\$0
8					\$0	100%	\$0	0%	\$0		\$0
9					\$0	100%	\$0	0%	\$0		\$0
10					\$0	100%	\$0	0%	\$0		\$0
General Construction Items											
11	Construction Area Signs	1	LS	\$ 12,000.00	\$12,000	100%	\$12,000	0%	\$0		\$0
12	Develop Water Supply	1	LS	\$ 20,000.00	\$20,000	100%	\$20,000	0%	\$0		\$0
13	Clearing and Grubbing	1	LS	\$ 200,000.00	\$200,000	100%	\$200,000	0%	\$0		\$0
14	Roadway Excavation	5600	CY	\$ 170.00	\$952,000	100%	\$952,000	0%	\$0		\$0
15	Import Borrow	6500	CY	\$ 23.00	\$149,500	100%	\$149,500	0%	\$0		\$0
16	Embankment	6500	CY	\$ 29.00	\$188,500	100%	\$188,500	0%	\$0		\$0
17	Aggregate Base	3800	CY	\$ 100.00	\$380,000	100%	\$380,000	0%	\$0		\$0
18	Adjust Manhole Frame and Cover	20	EA	\$ 600.00	\$12,000	100%	\$12,000	0%	\$0		\$0
19	Adjust Access Box	10	EA	\$ 500.00	\$5,000	100%	\$5,000	0%	\$0		\$0
20	Reconstruct Drainage Facilities	1	LS	\$ 250,000.00	\$250,000	100%	\$250,000	0%	\$0		\$0
21	Minor Concrete (Sidewalk)	420	CY	\$ 1,000.00	\$420,000	100%	\$420,000	0%	\$0		\$0
22	Minor Concrete (Curb and Gutter)	375	CY	\$ 900.00	\$337,500	100%	\$337,500	0%	\$0		\$0
23	Minor Concrete (Curb Ramp)	125	CY	\$ 1,200.00	\$150,000	100%	\$150,000	0%	\$0		\$0
24	Minor Concrete (Curb)	80	CY	\$ 800.00	\$64,000	100%	\$64,000	0%	\$0		\$0
25	Hot Mix Asphalt (Type A)	675	Ton	\$ 200.00	\$135,000	100%	\$135,000	0%	\$0		\$0
26	Place Hot Mix Asphalt (Miscellaneous Area)	6000	SY	\$ 19.00	\$114,000	100%	\$114,000	0%	\$0		\$0
27	Slurry Seal	250	Ton	\$ 600.00	\$150,000	100%	\$150,000	0%	\$0		\$0
28	Interlocking Concrete Pavers	18000	SF	\$ 35.00	\$630,000	100%	\$630,000	0%	\$0		\$0
29	Modify Bridge Railing	1	LS	\$ 1,113,000.00	\$1,113,000	100%	\$1,113,000	0%	\$0		\$0
30	Modifying Signal and Lighting System	1	LS	\$ 290,000.00	\$290,000	100%	\$290,000	0%	\$0		\$0
31	Retaining Wall (Masonry Wall)	8000	SF	\$ 52.00	\$416,000	100%	\$416,000	0%	\$0		\$0
32	Pedestrian Electrolier	70	EA	\$ 3,000.00	\$210,000	100%	\$210,000	0%	\$0		\$0
33	Flashing Beacon System	1	EA	\$ 35,000.00	\$35,000	100%	\$35,000	0%	\$0		\$0
34	Signs	1	LS	\$ 12,000.00	\$12,000	100%	\$12,000	0%	\$0		\$0
35	Thermoplastic Traffic Stripe	15000	LF	\$ 3.50	\$52,500	100%	\$52,500	0%	\$0		\$0
36	Thermoplastic Crosswalk and Pavement Markings	13000	SF	\$ 5.00	\$65,000	100%	\$65,000	0%	\$0		\$0
37	Plants	55	EA	\$ 1,200.00	\$66,000	100%	\$66,000	0%	\$0		\$0
38	Finishing Roadway	1	LS	\$ 60,000.00	\$60,000	100%	\$60,000	0%	\$0		\$0
39	Erosion Control	1	LS	\$ 50,000.00	\$50,000	100%	\$50,000	0%	\$0		\$0
40					\$0		\$0	100%	\$0		\$0
41					\$0		\$0	100%	\$0		\$0
42					\$0		\$0	100%	\$0		\$0
43					\$0		\$0	100%	\$0		\$0
44					\$0		\$0	100%	\$0		\$0
45					\$0		\$0	100%	\$0		\$0
46					\$0		\$0	100%	\$0		\$0
47					\$0		\$0	100%	\$0		\$0
48					\$0		\$0	100%	\$0		\$0
49					\$0		\$0	100%	\$0		\$0
50					\$0		\$0	100%	\$0		\$0
51					\$0		\$0	100%	\$0		\$0
52					\$0		\$0	100%	\$0		\$0
Subtotal of Construction Items:					\$6,879,000		\$6,879,000		\$0		\$0

Construction Item Contingencies (% of Construction Items): 25.00% \$1,719,750

\$1,719,750

\$0

Total (Construction Items & Contingencies) cost: \$8,598,750

\$8,598,750

\$0

Project Delivery Costs:

Type of Project Cost	Cost \$
Preliminary Engineering (PE)	
Environmental Studies and Permits(PA&ED):	\$ 859,875
Plans, Specifications and Estimates (PS&E):	\$ 1,289,813
Total PE:	\$ 2,149,688

ATP Eligible Costs

\$859,875

\$1,289,813

\$2,149,688

Non-participating Costs

\$0

\$0

\$0

"PE" costs / "CON" costs

25%

25% Max

ORIGINAL COPY

Detailed Engineer's Estimate and Total Project Costs- Cycle 5 v1.3

Important: Read the Instructions in the first sheet (tab) before entering data. Do not enter data in shaded fields (with formulas).

Project Information:

Agency: Shasta County Department of Public Works

Date: 08/28/2020

Project Description: Cottonwood West Connector Bicycle and Pedestrian Network

Project Location: Shasta County - Cottonwood

Licensed Engineer in responsible charge of preparing or reviewing this PSR-Equivalent Cost Estimate: John A. Heath

License #: 70823

Right of Way (RW)			
Right of Way Engineering:	\$ 100,000	\$100,000	\$0
Acquisitions and Utilities:	\$ 310,000	\$310,000	\$0
Total RW:	\$ 410,000	\$410,000	\$0
Construction Engineering (CE)			
Construction Engineering (CE):	\$ 1,289,813	\$1,289,813	\$0
(PE+RW+CE) Total Project Delivery:	\$3,849,500	\$3,849,500	\$0
Total Construction Costs:	\$8,598,750	\$8,598,750	\$0
Total Project Cost:		\$12,448,250	\$0
		ATP Eligible Costs	Non-participating Costs
		\$12,448,250	\$0

"CE" costs / "CON" costs
15% 15% Max

Documentation of Ineligible (Non-Participating) Costs:

The Engineer's logic and/or calculations for splitting costs between ATP-Eligible and Non-participating costs must be documented in this section of the Estimate form.

Separate logic is required for each item which is partly ineligible for ATP funding or is required for the construction of an ineligible item/element of the project.

Item #: Description of Engineer's Logic: (See examples shown in the Instructions)

