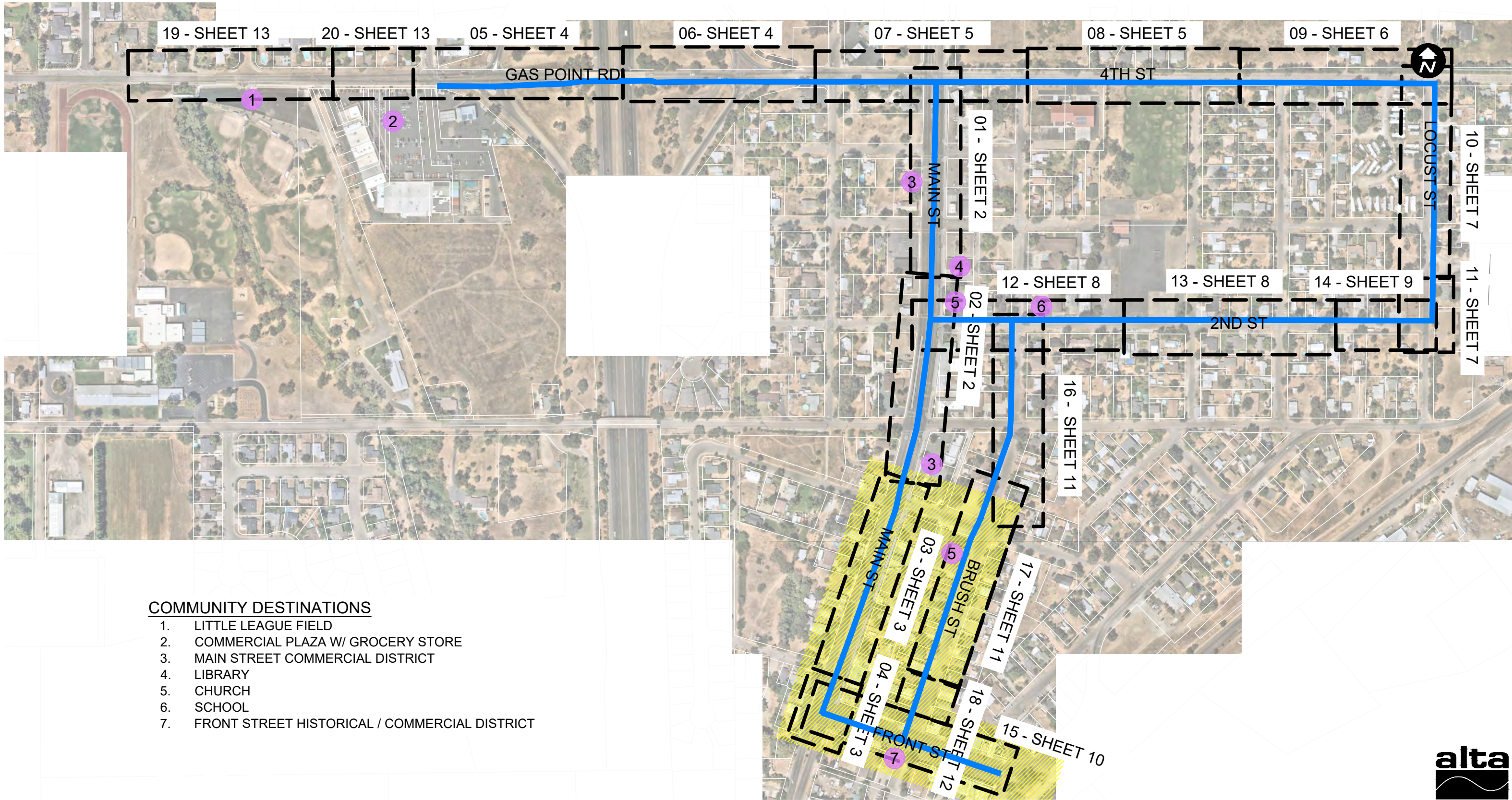


Appendix A



COMMUNITY DESTINATIONS

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



**COTTONWOOD ACTIVE TRANSPORTATION
LASSO LOOP NETWORK**

SUSTAINABLE SHASTA



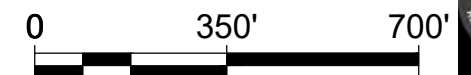
LASSO LOOP NETWORK

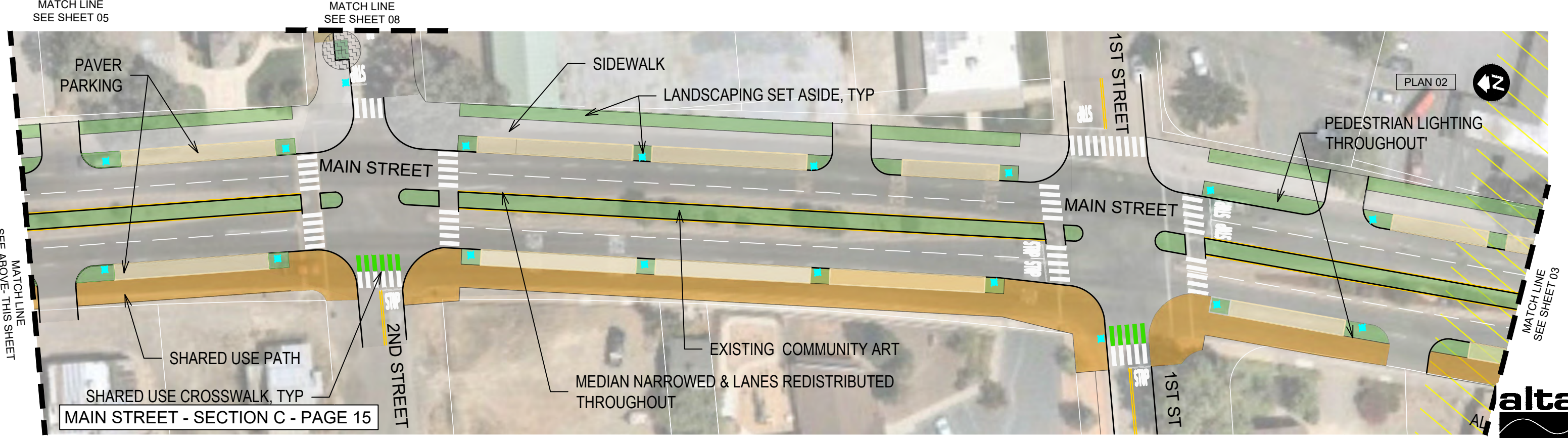
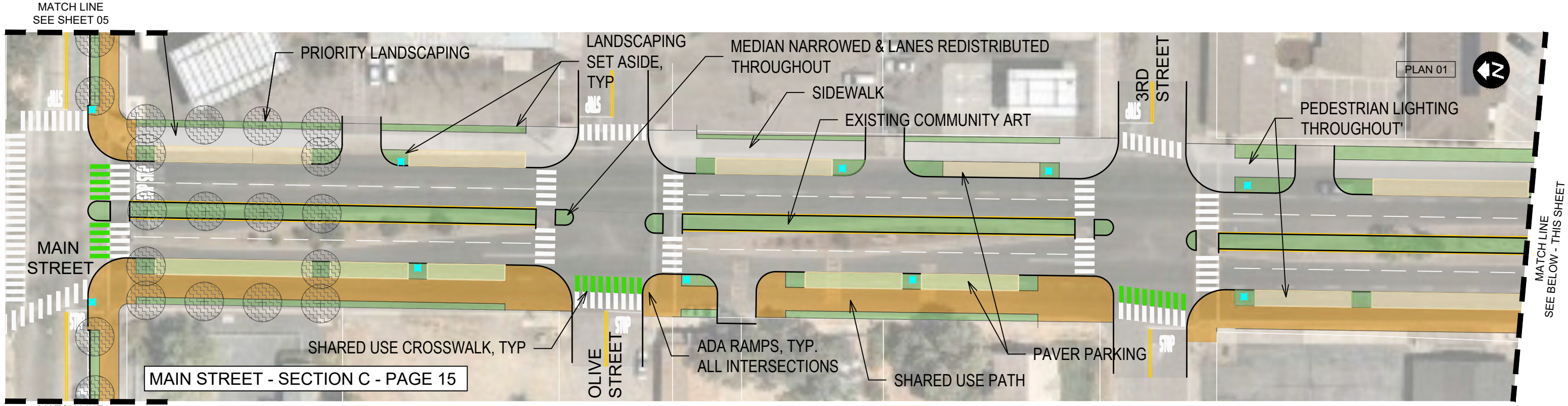
COMMUNITY DESTINATION

COTTONWOOD HISTORIC DISTRICT

SRTA FUNDED,
PENDING ATP AWARD

NETWORK MAP
SHEET 1 OF 16



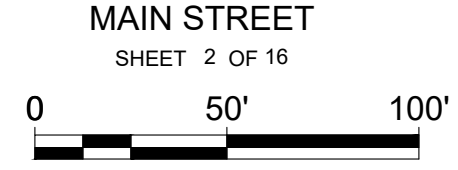


**COTTONWOOD ACTIVE TRANSPORTATION
LASSO LOOP NETWORK**

SUSTAINABLE SHASTA

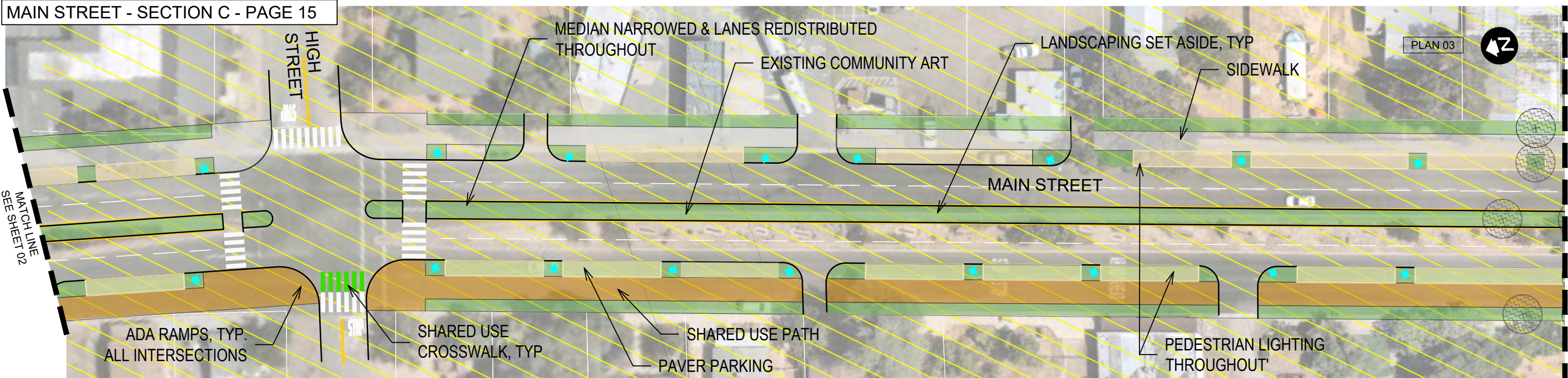
This Sheet:
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Various Utility Relocations Required

- 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

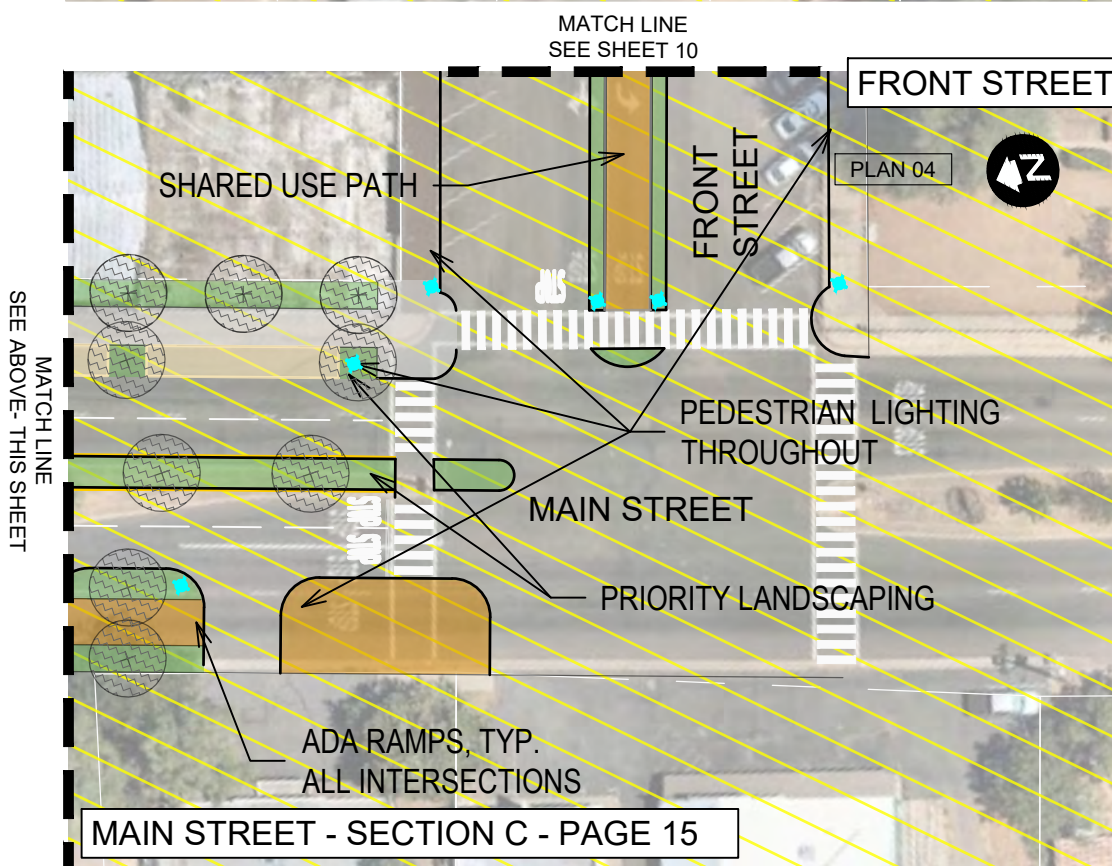


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MAIN STREET - SECTION C - PAGE 15



FRONT STREET - SECTION B - PAGE 14



MAIN STREET - SECTION C - PAGE 15



COTTONWOOD ACTIVE TRANSPORTATION
LASSO LOOP NETWORK

SUSTAINABLE SHASTA

This Sheet:
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Various Utility Relocations Required

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

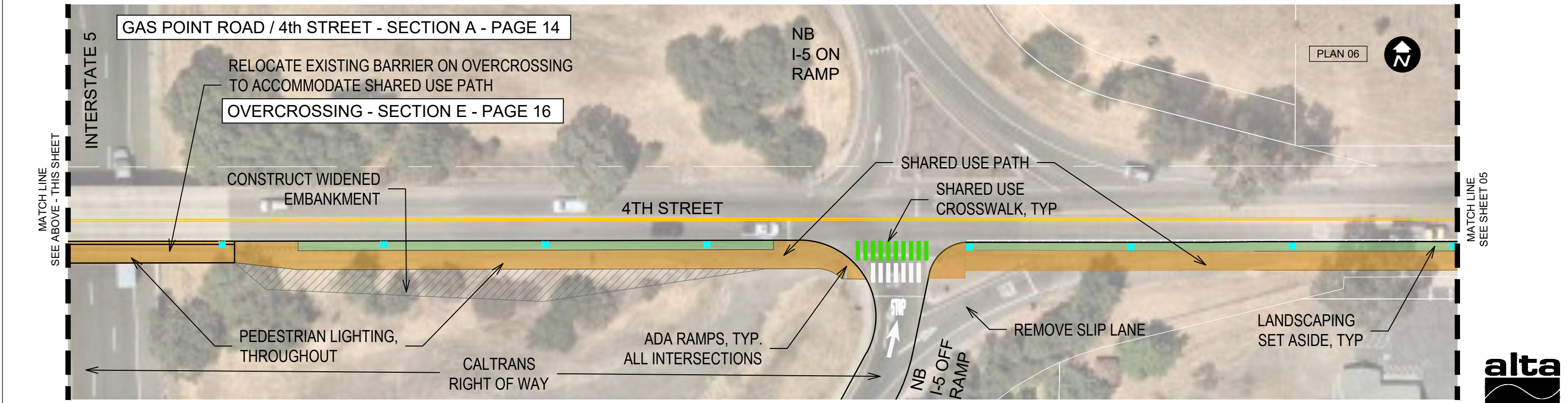
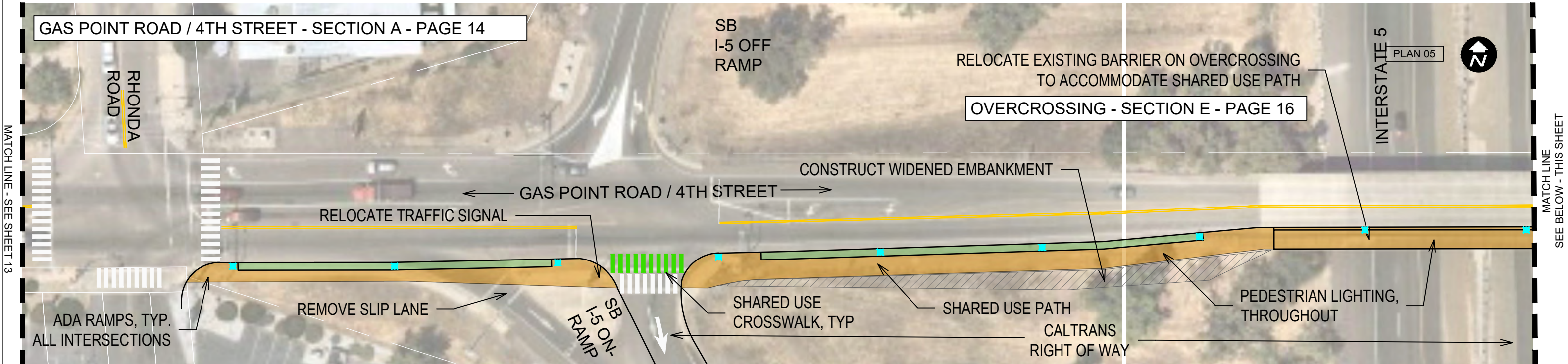
- Landscaping Set Aside (Xeriscape/Hardscape/Community Developed Landscaping)
- Paver Parking

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

MAIN STREET
SHEET 3 OF 16



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**COTTONWOOD ACTIVE TRANSPORTATION
LASSO LOOP 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)

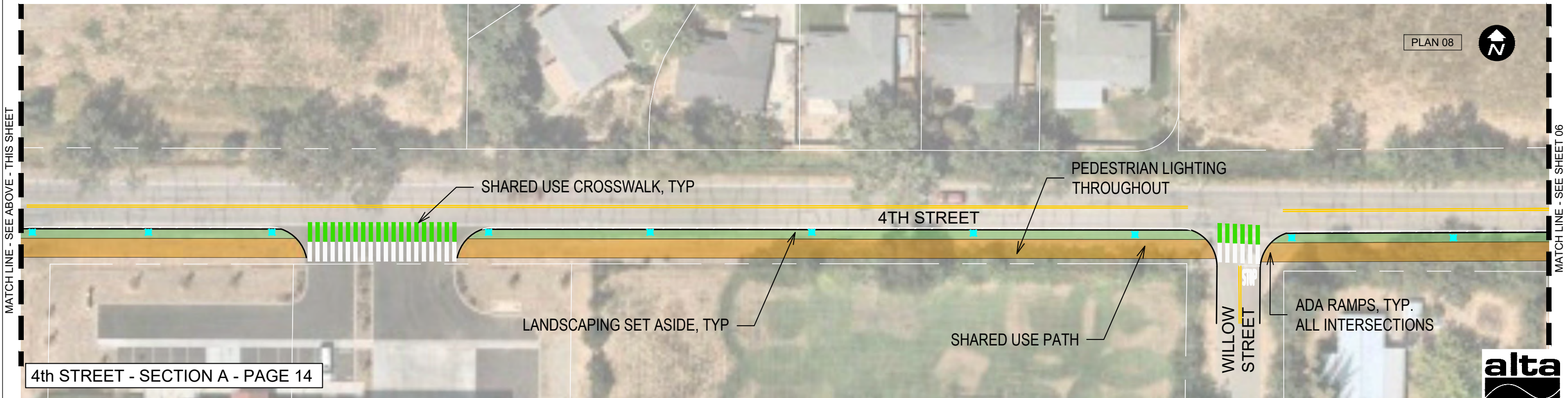
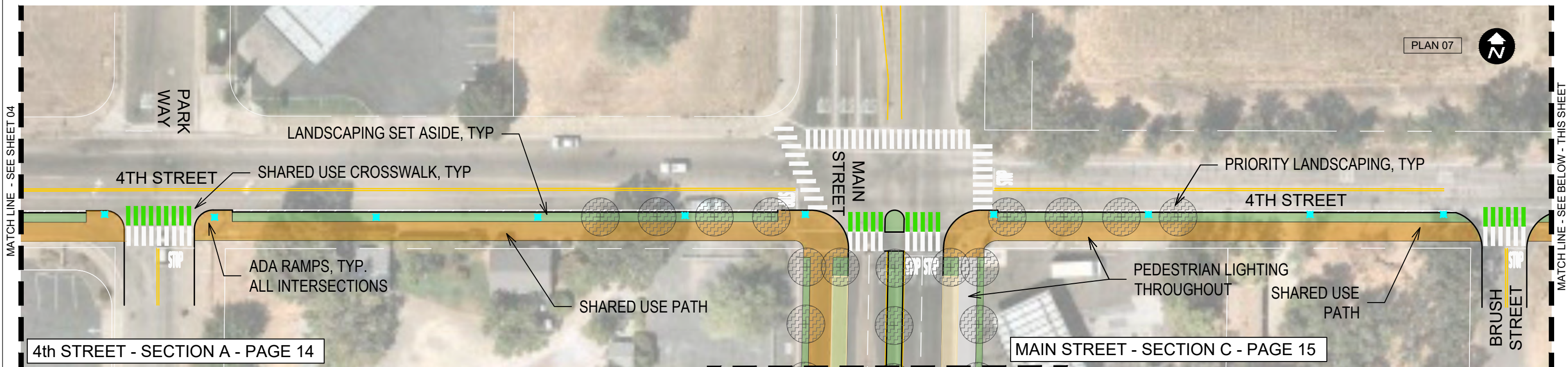
Cottonwood Historic District
SRTA-Funded, pending ATP Award

GAS POINT ROAD / 4TH STREET

SHEET 4 OF 16

0 50' 100'

W:\Cottonwood Cycle 5 ATP\Drawings\SCDPW\Lasso Loop\Alta 09102020.dwg



COTTONWOOD ACTIVE TRANSPORTATION LASSO LOOP 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

4TH STREET

SHEET 5 OF 16

0 50' 100'

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4TH STREET - SECTION A - PAGE 14

PLAN 09



MATCH LINE - SEE SHEET 05

4TH STREET

SHARED USE CROSSWALK,
TYP

PEDESTRIAN
LIGHTING
THROUGHOUT

4TH STREET

ADA RAMPS, TYP.
ALL INTERSECTIONS

HICKORY
STREET

LANDSCAPING
SET ASIDE, TYP

ROSE
STREET

SHARED USE PATH

PEDESTRIAN
PATH

MATCH LINE
SEE SHEET 07

LOCUST STREET - SECTION D - PAGE 15



COTTONWOOD ACTIVE TRANSPORTATION LASSO LOOP NETWORK

SUSTAINABLE SHASTA

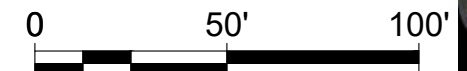
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- Pedestrian Lighting
- Sidewalk, Curb, Gutter
- Pedestrian Path
- Shared Use Path

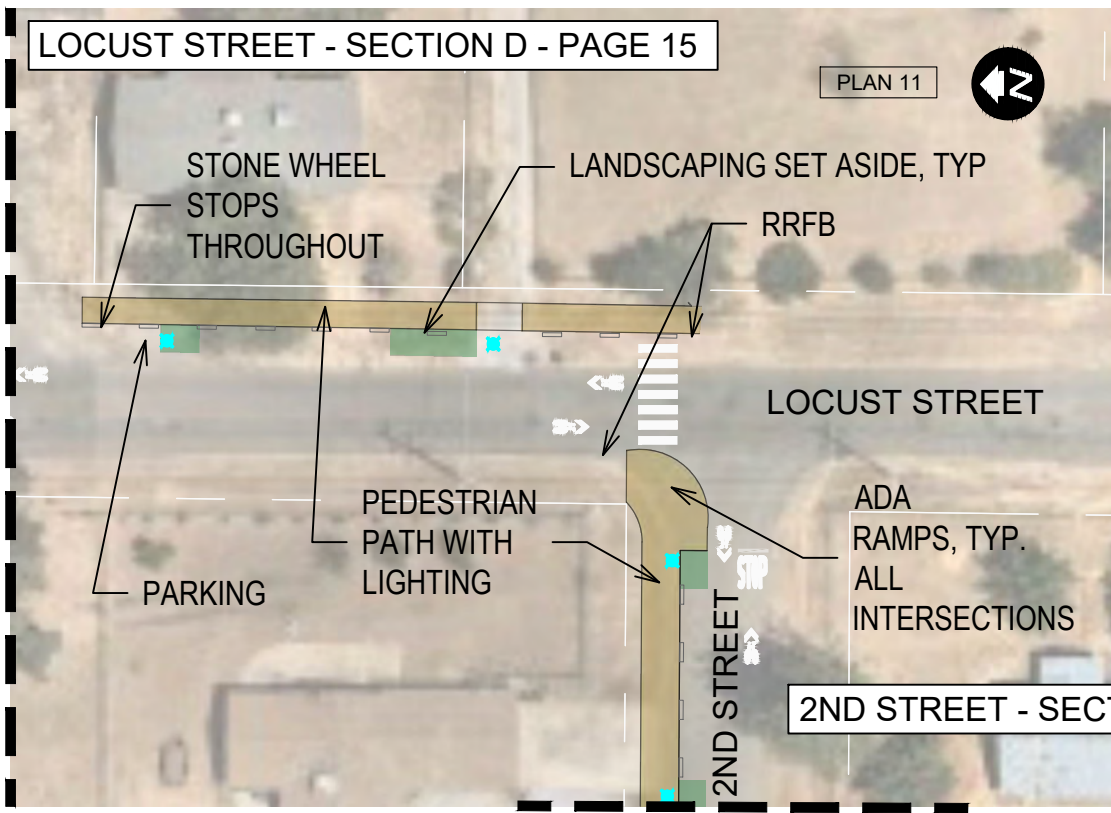
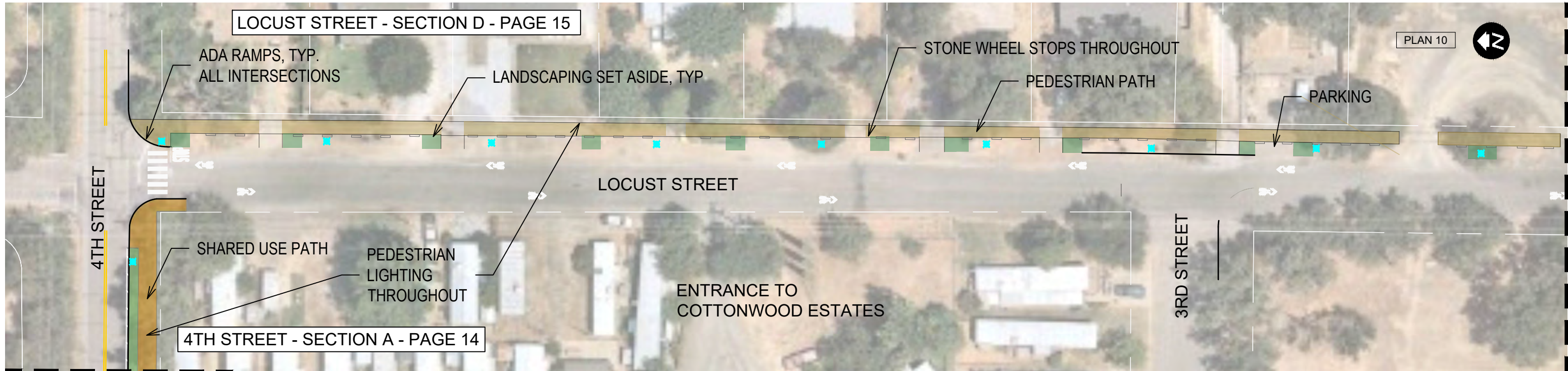
- Landscaping Set Aside (Xeriscape/
Hardscape/Community Developed
Landscaping)
- Paver Parking

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

4TH STREET
SHEET 6 OF 16



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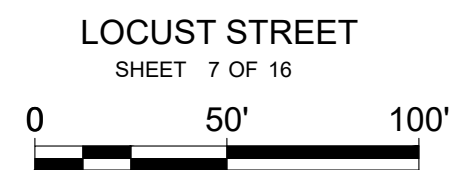


COTTONWOOD ACTIVE TRANSPORTATION LASSO LOOP NETWORK

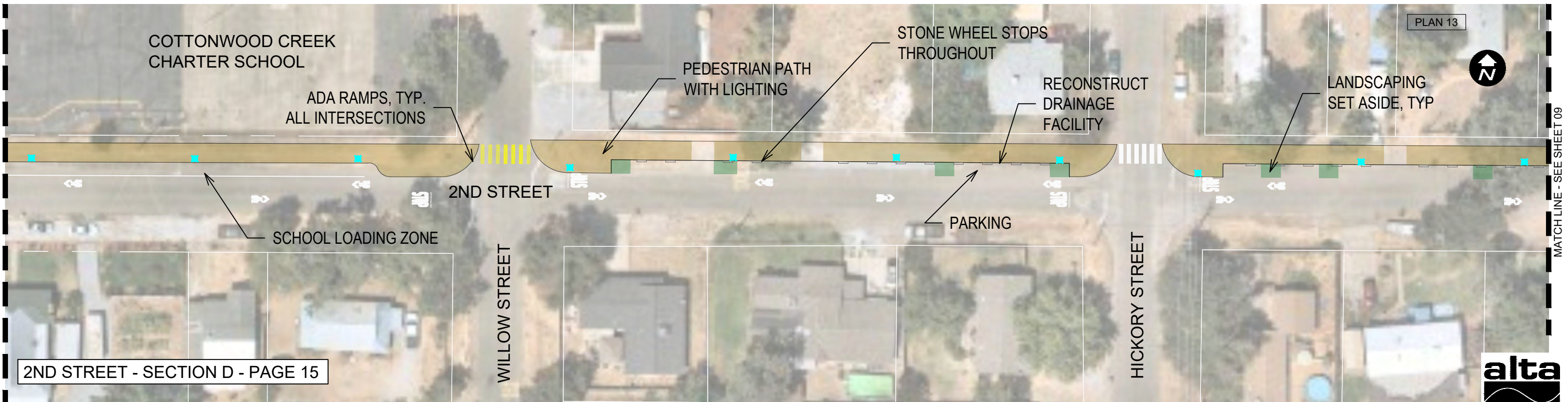
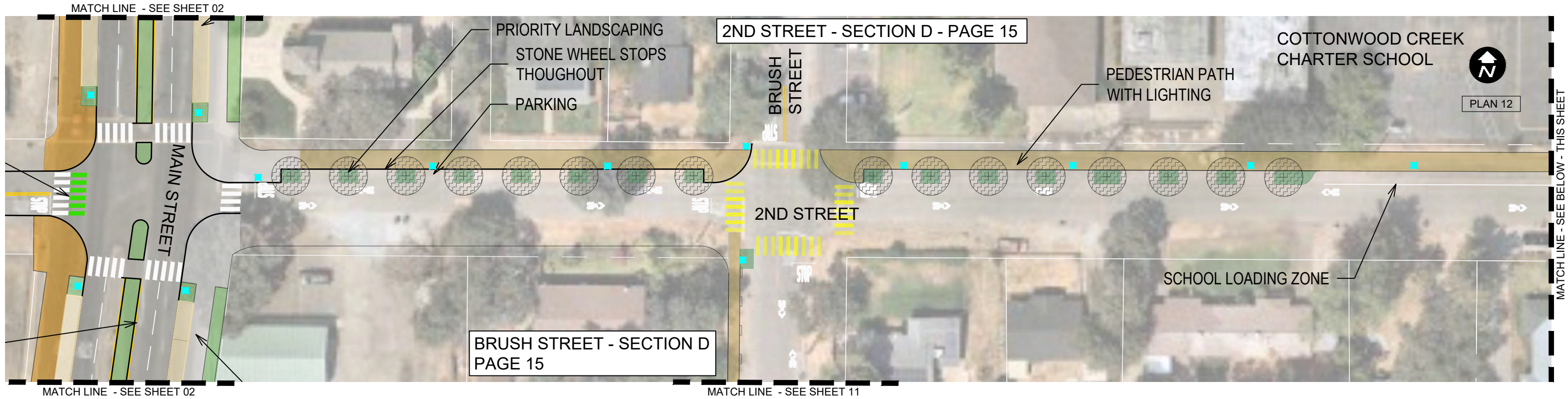
SUSTAINABLE SHASTA

This Sheet:
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Various Utility Relocations Required

- Pedestrian Lighting
- Sidewalk, Curb, Gutter
- Pedestrian Path
- Shared Use Path
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MAIN STREET - SECTION C
PAGE 15



COTTONWOOD ACTIVE TRANSPORTATION
LASSO LOOP 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

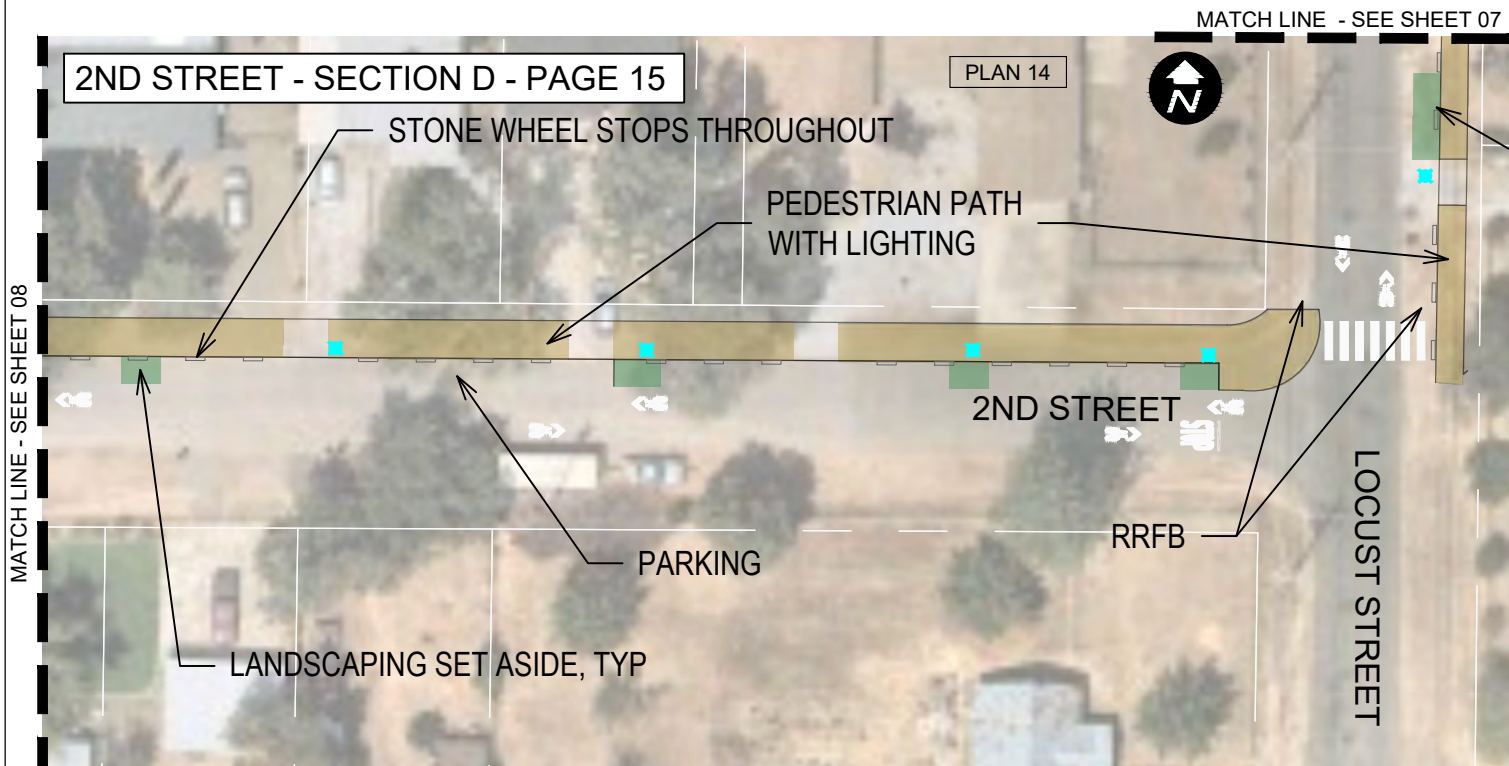
-  Priority Landscaping (Xeriscape/
Hardscape/Community Developed
Landscaping)
-  Cottonwood Historic District
SRTA-Funded, pending ATP Award

2ND STREET
SHEET 8 OF 16



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LOCUST STREET - SECTION D
PAGE 15



**COTTONWOOD ACTIVE TRANSPORTATION
LASSO LOOP NETWORK**

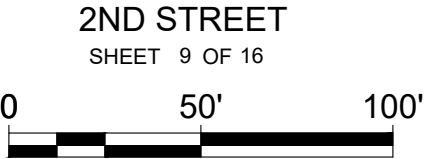
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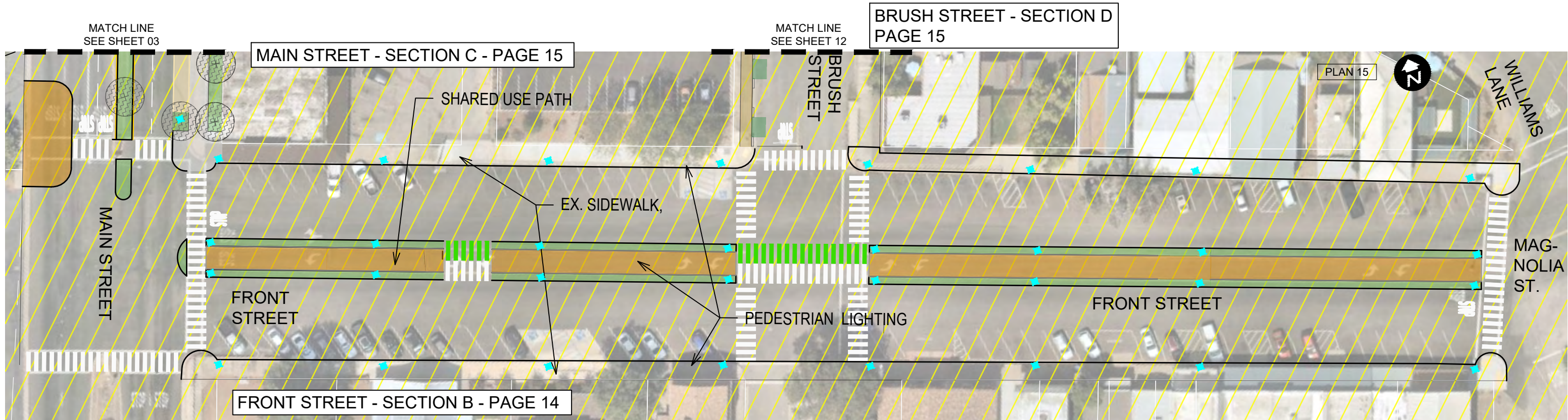
This Sheet:
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Various Utility Relocations Required

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

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





NOTE: DRAWING REFLECTS LATEST ITERATION OF FRONT STREET DESIGN. EXACT LOCATION AND TYPE OF BICYCLE AND WALKING IMPROVEMENTS TO BE DETERMINED UPON FUTURE CONSULTATION BETWEEN SHASTA COUNTY, SRTA AND RESIDENTS SERVING ON THE COTTONWOOD DESIGN REVIEW COMMITTEE.



**COTTONWOOD ACTIVE TRANSPORTATION
LASSO LOOP NETWORK**

SUSTAINABLE SHASTA

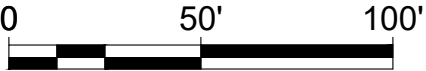
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No ROW Acquisition Required
Various Utility Relocations Required

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

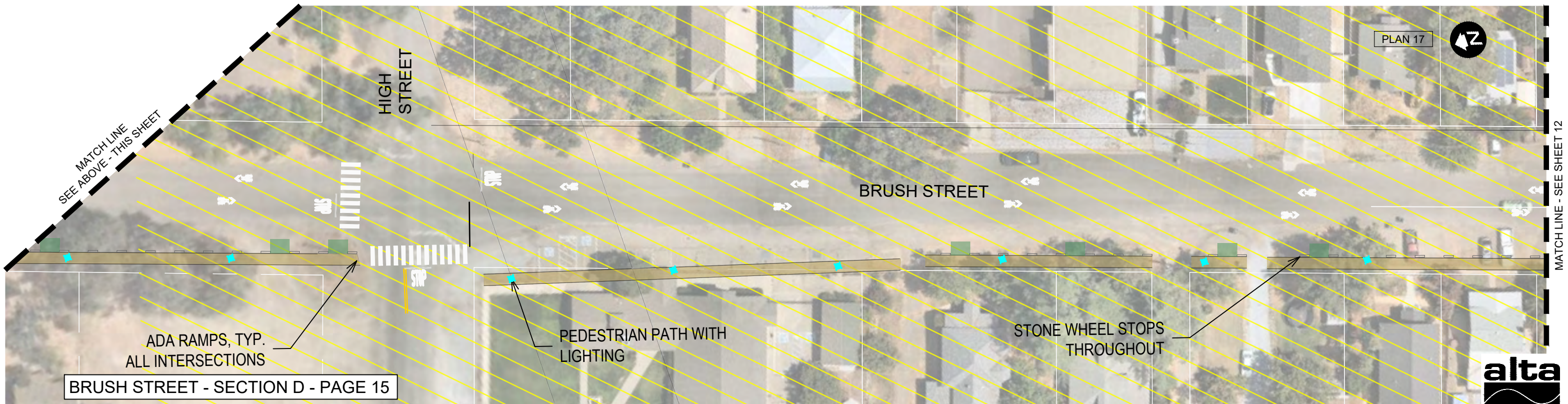
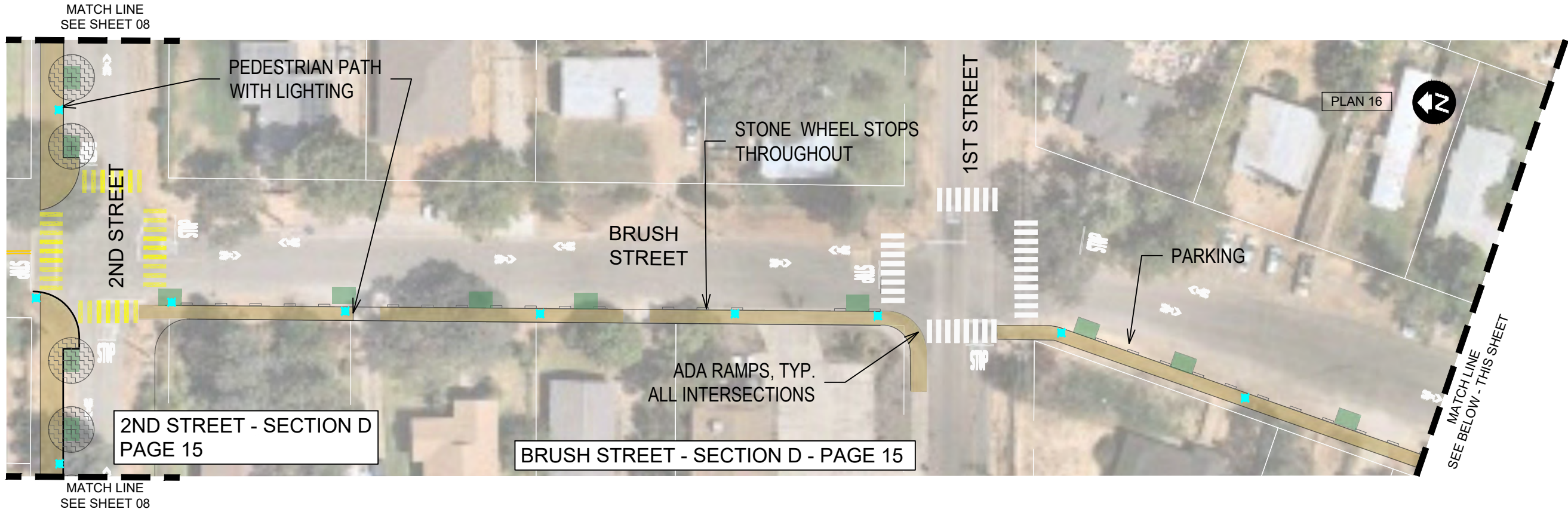
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- Paver Parking

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- Cottonwood Historic District SRTA-Funded, pending ATP Award

FRONT STREET
SHEET 10 OF 16



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COTTONWOOD ACTIVE TRANSPORTATION LASSO LOOP NETWORK

SUSTAINABLE SHASTA

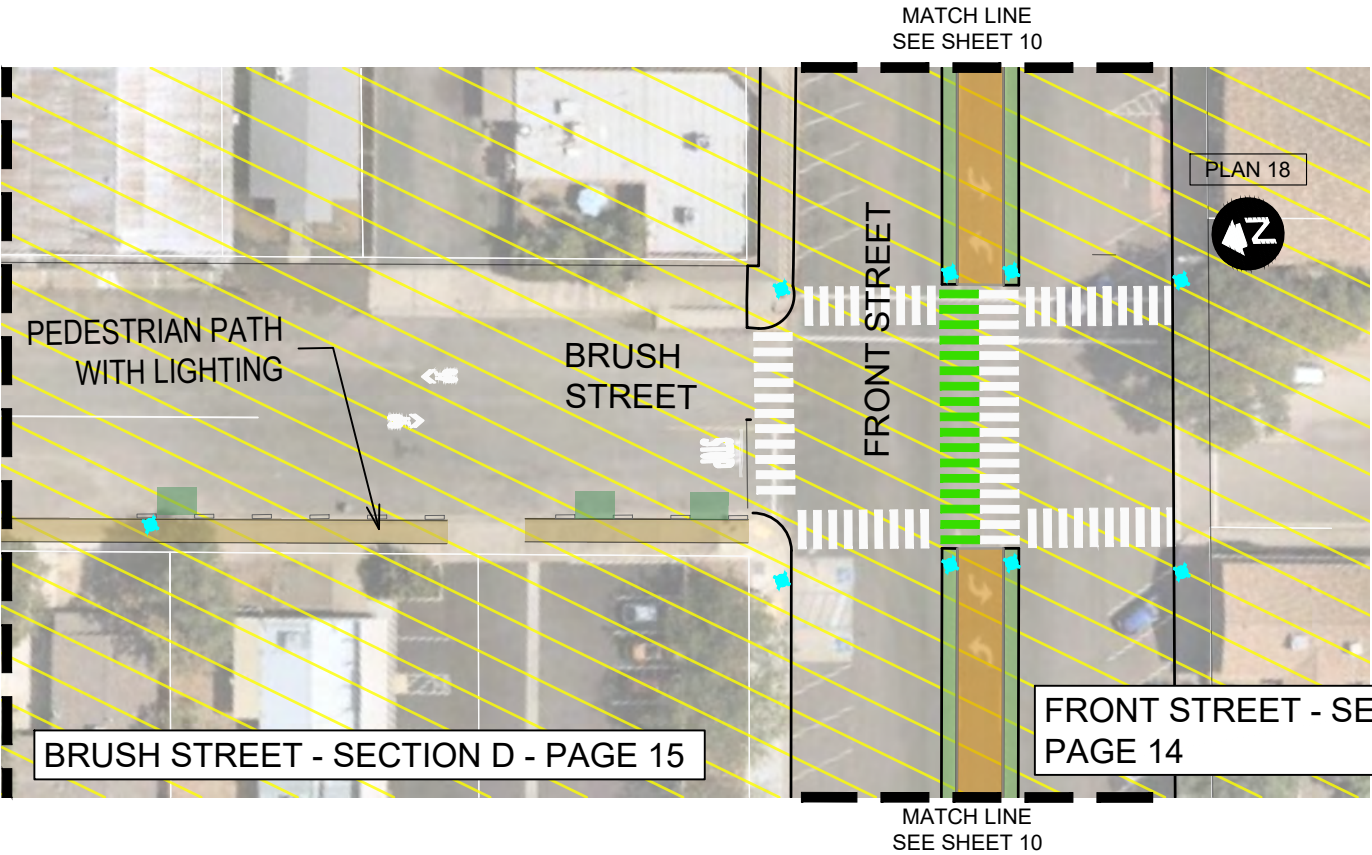
This Sheet:
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Various Utility Relocations Required

- Pedestrian Lighting
- Sidewalk, Curb, Gutter
- Pedestrian Path
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Hardscape/Community Developed
Landscaping)
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Hardscape/Community Developed
Landscaping)
- Cottonwood Historic District
SRTA-Funded, pending ATP Award

BRUSH STREET SHEET 11 OF 16



MATCH LINE - SEE SHEET 11



**COTTONWOOD ACTIVE TRANSPORTATION
LASSO LOOP NETWORK**

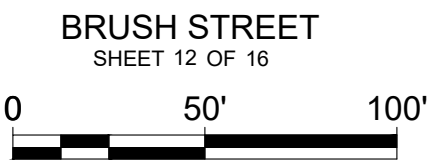
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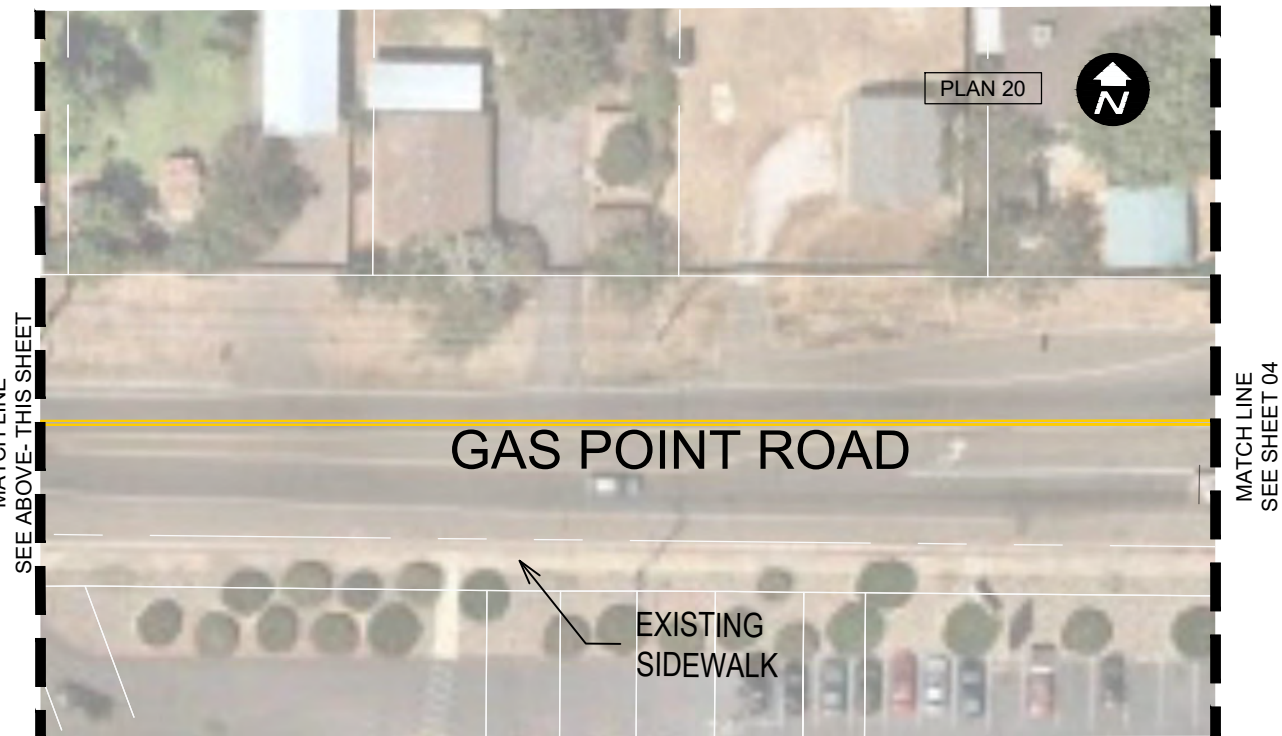
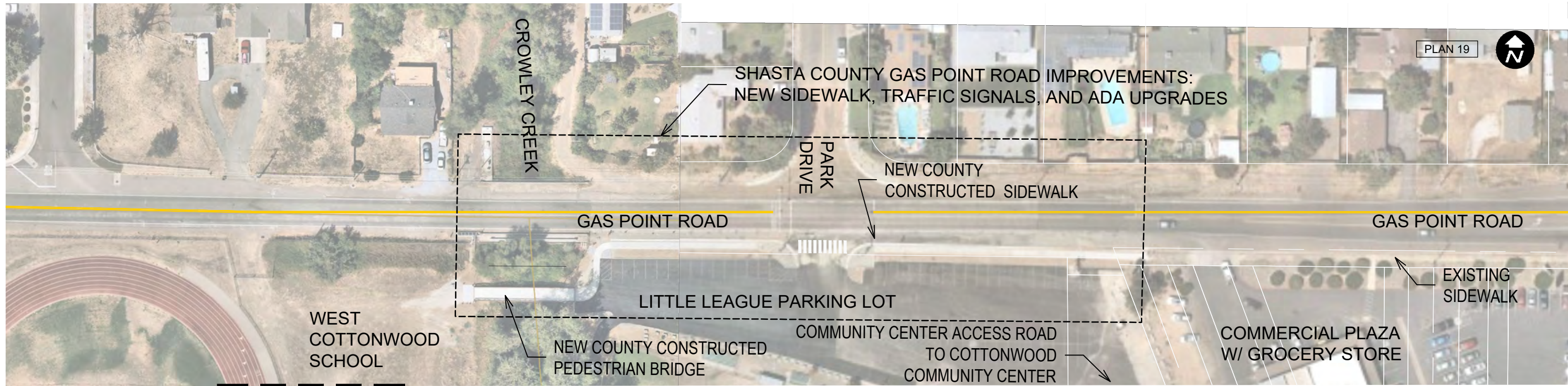
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Various Utility Relocations Required

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

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Hardscape/Community Developed
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- Paver Parking

- Priority Landscaping (Xeriscape/
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- Cottonwood Historic District
SRTA-Funded, pending ATP Award





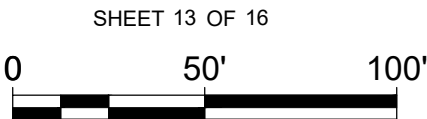
EXISTING GAS POINT ROAD IMPROVEMENTS

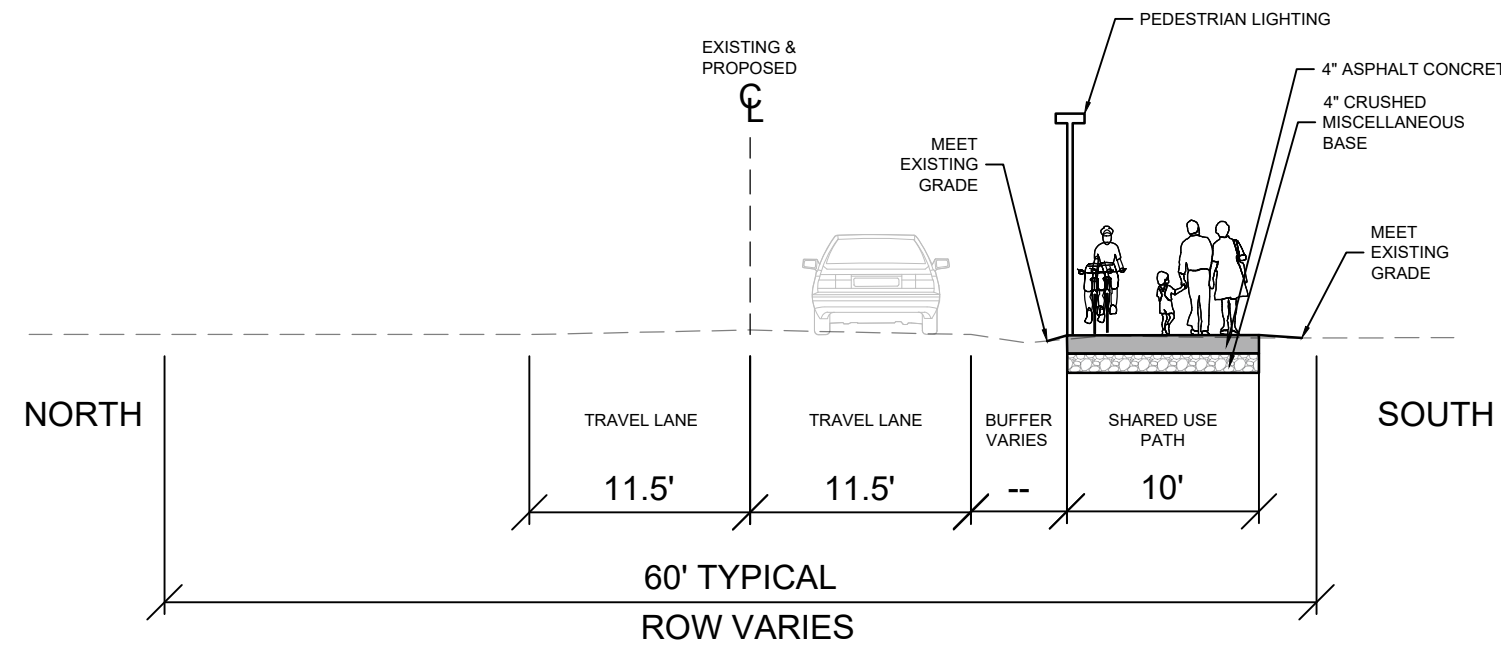


COTTONWOOD ACTIVE TRANSPORTATION LASSO LOOP NETWORK SUSTAINABLE SHASTA

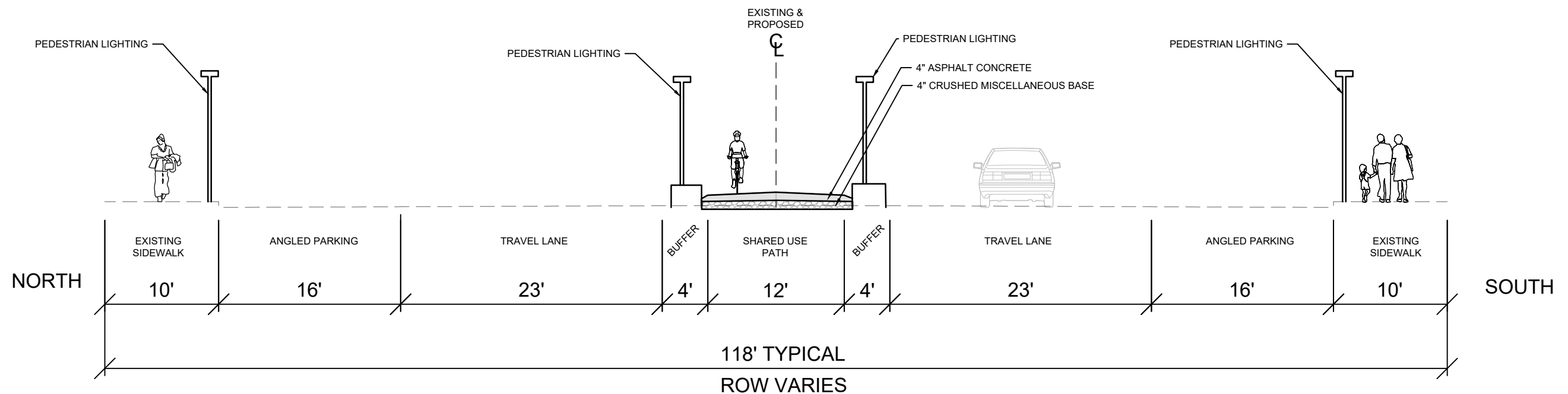
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Various Utility Relocations Required

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- Cottonwood Historic District SRTA-Funded, pending ATP Award





SECTION A
4TH STREET / GAS POINT ROAD
LIMITS RHONDA ROAD - LOCUST STREET



SECTION B
FRONT STREET
LIMITS: MAIN STREET - WILLIAMS LANE

NOTE: FRONT STREET IS A STAND ALONE PROJECT TO BE FUNDED BY SRTA PENDING AWARD OF AN ATP GRANT. THE SECTION SHOWN REFLECTS LATEST DESIGN ITERATION. EXACT LOCATION AND TYPE OF BICYCLE AND WALKING IMPROVEMENTS TO BE DETERMINED UPON FUTURE CONSULTATION BETWEEN SHASTA COUNTY, SRTA AND RESIDENTS SERVING ON THE COTTONWOOD DESIGN REVIEW COMMITTEE.

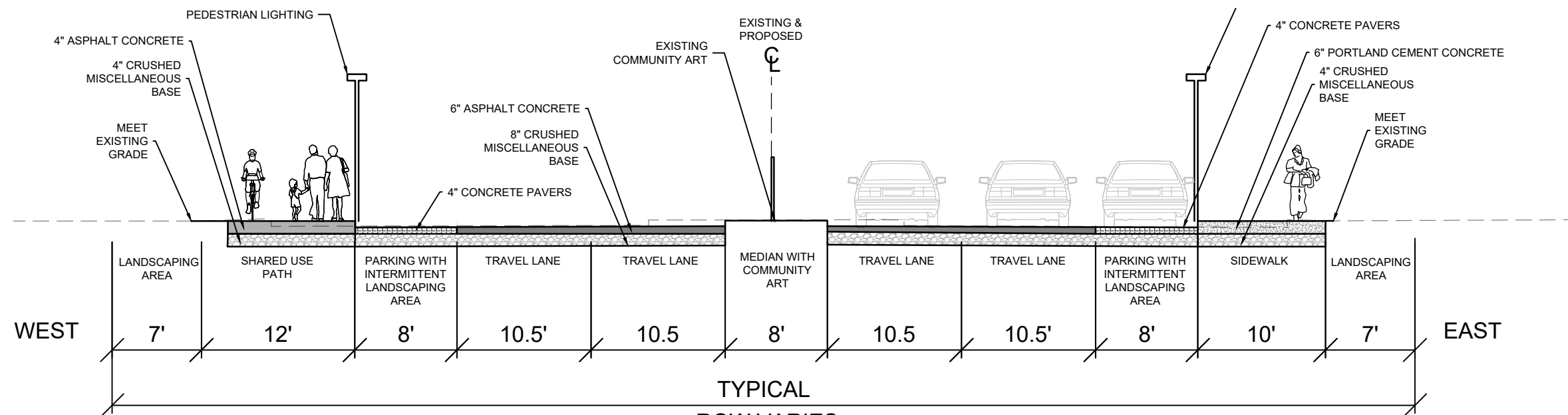


COTTONWOOD ACTIVE TRANSPORTATION
LASO LOOP NETWORK
SUSTAINABLE SHASTA

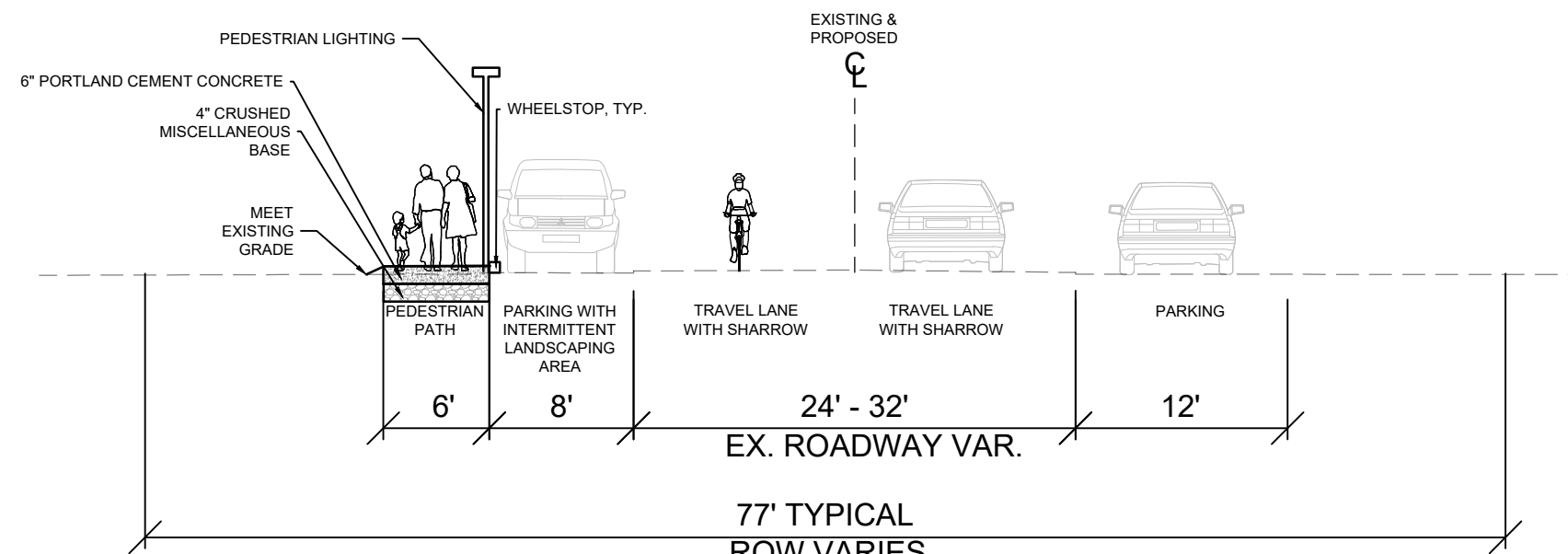
TYPICAL STREET SECTIONS

SHEET 14 OF 16



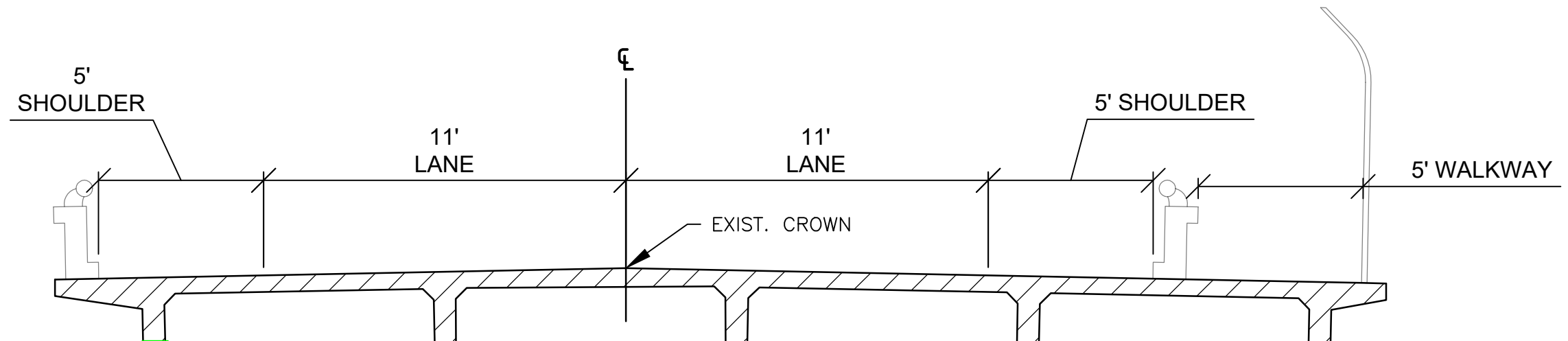


TYPICAL
ROW VARIES
SECTION C
MAIN STREET
LIMITS: FRONT STREET - 4TH STREET

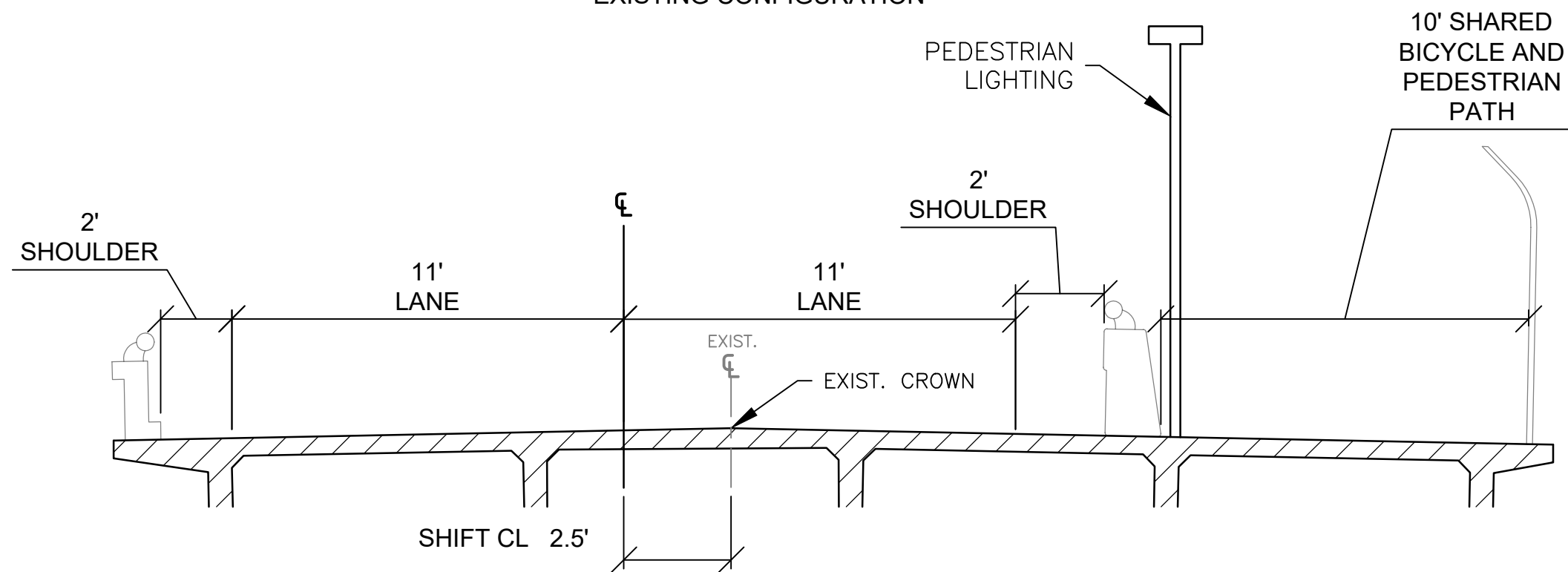


77' TYPICAL
ROW VARIES
SECTION D
BRUSH STREET
LIMITS: MAIN STREET - WEST COTTONWOOD SCHOOL (PEDESTRIAN PATH ON WEST SIDE)
2ND STREET
LIMITS: MAIN STREET - LOCUST STREET (PEDESTRIAN PATH ON NORTH SIDE)
LOCUST STREET
LIMITS: 2ND STREET - 4TH STREET (PEDESTRIAN PATH ON EAST SIDE)





EXISTING CONFIGURATION



PROPOSED CROSSING CONFIGURATION

SECTION E
INTERSTATE 5 OVERCROSSING

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 Lasso Loop 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	\$ 14,000.00	\$14,000	100%	\$14,000	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	\$ 230,000.00	\$230,000	100%	\$230,000	0%	\$0		\$0
14	Roadway Excavation	7500	CY	\$ 170.00	\$1,275,000	100%	\$1,275,000	0%	\$0		\$0
15	Import Borrow	4000	CY	\$ 23.00	\$92,000	100%	\$92,000	0%	\$0		\$0
16	Embankment	4000	CY	\$ 29.00	\$116,000	100%	\$116,000	0%	\$0		\$0
17	Aggregate Base	5000	CY	\$ 100.00	\$500,000	100%	\$500,000	0%	\$0		\$0
18	Adjust Manhole Frame and Cover	22	EA	\$ 600.00	\$13,200	100%	\$13,200	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)	365	CY	\$ 1,000.00	\$365,000	100%	\$365,000	0%	\$0		\$0
22	Minor Concrete (Curb and Gutter)	680	CY	\$ 900.00	\$612,000	100%	\$612,000	0%	\$0		\$0
23	Minor Concrete (Curb Ramp)	180	CY	\$ 1,200.00	\$216,000	100%	\$216,000	0%	\$0		\$0
24	Minor Concrete (Curb)	85	CY	\$ 800.00	\$68,000	100%	\$68,000	0%	\$0		\$0
25	Hot Mix Asphalt (Type A)	1000	Ton	\$ 200.00	\$200,000	100%	\$200,000	0%	\$0		\$0
26	Place Hot Mix Asphalt (Miscellaneous Area)	14500	SY	\$ 19.00	\$275,500	100%	\$275,500	0%	\$0		\$0
27	Slurry Seal	200	Ton	\$ 600.00	\$120,000	100%	\$120,000	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	\$ 560,000.00	\$560,000	100%	\$560,000	0%	\$0		\$0
30	Modifying Signal and Lighting System	1	LS	\$ 290,000.00	\$290,000	100%	\$290,000	0%	\$0		\$0
31	Pedestrian Electrolier	110	EA	\$ 3,000.00	\$330,000	100%	\$330,000	0%	\$0		\$0
32	Flashing Beacon System	1	EA	\$ 35,000.00	\$35,000	100%	\$35,000	0%	\$0		\$0
33	Signs	1	LS	\$ 13,500.00	\$13,500	100%	\$13,500	0%	\$0		\$0
34	Thermoplastic Traffic Stripe	10000	LF	\$ 3.50	\$35,000	100%	\$35,000	0%	\$0		\$0
35	Thermoplastic Crosswalk and Pavement Markings	14500	SF	\$ 5.00	\$72,500	100%	\$72,500	0%	\$0		\$0
36	Plants	55	EA	\$ 1,200.00	\$66,000	100%	\$66,000	0%	\$0		\$0
37	Finishing Roadway	1	LS	\$ 70,000.00	\$70,000	100%	\$70,000	0%	\$0		\$0
38	Erosion Control	1	LS	\$ 50,000.00	\$50,000	100%	\$50,000	0%	\$0		\$0
39					\$0	100%	\$0	0%	\$0		\$0
40					\$0		\$0	100%	\$0		\$0
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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:					\$6,863,700		\$6,863,700		\$0		\$0

Construction Item Contingencies (% of Construction Items): 25.00% \$1,715,925

\$1,715,925

\$0

Total (Construction Items & Contingencies) cost: \$8,579,625

\$8,579,625

\$0

Project Delivery Costs:

Type of Project Cost	Cost \$
Preliminary Engineering (PE)	
Environmental Studies and Permits(PA&ED):	\$ 857,963
Plans, Specifications and Estimates (PS&E):	\$ 1,286,944
Total PE:	\$ 2,144,906

ATP Eligible Costs

\$857,963
\$1,286,944
\$2,144,906

Non-participating Costs

\$0
\$0
\$0

"PE" costs / "CON" costs

25% 25% Max

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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 Lasso Loop 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:	\$	560,000	\$560,000	\$0	
Total RW:	\$	660,000	\$660,000	\$0	
Construction Engineering (CE)					
Construction Engineering (CE):	\$	1,286,944	\$1,286,944	\$0	
(PE+RW+CE) Total Project Delivery:			\$4,091,850	\$4,091,850	\$0
Total Construction Costs:			\$8,579,625	\$8,579,625	\$0
Total Project Cost:			\$12,671,475	\$12,671,475	\$0

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)				

