

SFMTA - TASC SUMMARY SHEET REVISED 10/20/2022 EER

PreStaff_Date: 5/27/2021 Requested_by: SFPW Handled: Ellen Robinson Section Head : MS <i>MS</i>	<input type="checkbox"/> Public Hearing Consent <input checked="" type="checkbox"/> Public Hearing Regular <input type="checkbox"/> Informational / Other PH - Regular	No objections: _____ Item Held: _____ Other: _____
--	--	---

Location: Minna and Natoma Streets, between 2nd and 3rd streets; Howard Street

Subject: Minna-Natoma Art Corridor Project

PROPOSAL / REQUEST:
See attached page for full legislation.

Supervisor District 6

Ellen Robinson, ellen.robinson@sfmta.com

The Minna-Natoma Art Corridor Project adds pedestrian and streetscape improvements along Minna and Natoma alleys between 2nd Street and 3rd Street, including new traffic signals at Minna/New Montgomery Street and Natoma Street/New Montgomery Street, sidewalk bulbs, raised crosswalks, a speed table/raised roadway section, decorative paving, pedestrian-scale lighting and public art.

BACKGROUND INFORMATION / COMMENTS

The Minna-Natoma Art Corridor Project is part of the South Downtown Design + Activation (Soda) Plan developed by SF Planning and the East Cut CBD. The project will transform four blocks of Minna and Natoma Streets into a vibrant pedestrian connections with art deeply integrated into the streetscape and private property sites along the corridor.

A key element of the project is to signalize the intersections of Minna and Natoma streets at New Montgomery Street to facilitate pedestrian travel along these alleys. Legislation for the signals includes daylighting and No Turn On Red to facilitate exclusive pedestrian phases ("scrambles"). The project would install corner bulbs on the west side of New Montgomery at both intersections. Raised sections of the alleys at intersections and midblock are proposed to calm traffic and act as gateways to the enhanced alley spaces.

All parking and loading would be prohibited on Natoma west of 2nd Street to accommodate a widened sidewalk between 2nd and New Montgomery, and to facilitate existing 2-way operation west of New Montgomery where Natoma dead-ends into a private driveway. 24 of the 25 metered motorcycle stalls removed would be relocated to Minna west of New Montgomery Street and Howard Street east of New Montgomery Street (converting 2 yellow meters and 1 parking meter, and relocating one yellow meter). Besides these conversions, the project would remove 14 yellow meters and 5 parking meters.

HEARING NOTIFICATION AND PROCESSING NOTES:	ENVIRONMENTAL CLEARANCE BY: <input type="checkbox"/> SFMTA <input type="checkbox"/> Attached <input checked="" type="checkbox"/> Pending
---	--

Minna-Natoma Art Corridor Project - Traffic & Parking Legislation

Page 1 of 2

ESTABLISH – TRAFFIC SIGNAL

Minna Street at New Montgomery Street

Natoma Street at New Montgomery Street

ESTABLISH – NO TURN ON RED

New Montgomery Street, southbound at Minna Street

New Montgomery Street, southbound at Natoma Street

Minna Street, eastbound and westbound at New Montgomery Street

Natoma Street, eastbound at New Montgomery Street

ESTABLISH – RED ZONE

Minna Street, north side, from New Montgomery Street to 28 feet westerly (for traffic signal visibility, removes yellow meter #144)

Minna Street, north side, from New Montgomery Street to 33 feet easterly (for traffic signal visibility, removes yellow meter #122)

New Montgomery Street, west side, from Howard Street to 20 feet northerly (for daylighting, extends existing fire zone)

New Montgomery Street, east side, from Natoma Street to 29 feet northerly (for traffic signal visibility, removes 6-wheel truck meter #131 and lengthens adjacent 2-wheel truck meters #127 & 129 from 24 feet to 28 feet in length each)

New Montgomery Street, east side, from Natoma Street to 20 feet southerly (for new crosswalk, removes parking meter #135)

New Montgomery Street, east side, from Howard Street to 14 feet northerly (for daylighting, removes parking meter #149)

ESTABLISH – NO PARKING ANY TIME

Natoma Street, south side, from 2nd Street to 265 feet west of New Montgomery Street (removes five yellow meters #89, 91, 103, 105, 107; removes five general parking meters #71, 83, 85, 87, 109; removes 25 motorcycle parking meters #13, 15, 17, 19, 21, 23, 25, 27, 29, 31, 33, 35, 37, 39, 41, 43, 45, 47, 55, 57, 59, 61, 63, 65, & 67; removes bike share station on Natoma Street west of New Montgomery Street)

ESTABLISH – TOW-AWAY NO PARKING ANY TIME

New Montgomery Street, west side, from Minna Street to 45 feet northerly (for 6-foot wide bulb, removes five motorcycle parking meters #1, 2, 3, 4, 5; removes six-wheel truck meters #110 & 112, lengthen remaining six-wheel truck meters #102-108)

New Montgomery Street, west side, from Minna Street to 36 feet southerly (for 6-foot wide bulb, removes yellow meters #118 & 120, extends adjacent white zone from 73 feet to 88 feet in length)

New Montgomery Street, west side, from Natoma Street to 38 feet northerly (for 4-foot wide bulb, removes two yellow meters #130 & 132)

New Montgomery Street, west side, from Natoma Street to 41 feet southerly (for 4-foot wide bulb)

Minna-Natoma Art Corridor Project - Traffic & Parking Legislation

Page 2 of 2

ESTABLISH – TOW-AWAY NO STOPPING ANY TIME

Natoma Street, north side, from New Montgomery Street to 2nd Street (for 4.5' sidewalk widening)

Natoma Street, north side, from New Montgomery Street to 265 feet westerly

ESTABLISH – METERED MOTORCYCLE PARKING 7AM TO 6PM MONDAY THROUGH SATURDAY

Minna Street, north side, from 28 feet to 95 feet west of New Montgomery Street (19 motorcycle stalls, converts yellow meters #146, 148 & 150)

Howard Street, south side, from 160 feet to 195 feet west of 2nd Street (10 motorcycle stalls, converts meter #621 and yellow meter #623)

ESTABLISH –METERED YELLOW ZONE, 7 AM TO 6 PM MONDAY THROUGH SATURDAY

Minna Street, north side, from 53 feet to 74 feet west of 2nd Street (revises yellow meter #108)

Howard Street, south side, from 139 feet to 150 feet west of 2nd Street (converts meter #613)

ESTABLISH –METERED YELLOW ZONE, 6-WHEEL COMMERCIAL LOADING, 7 AM TO 3 PM MONDAY THROUGH SATURDAY

New Montgomery, west side, from 20 feet to 78 feet south of Natoma Street (converts meters #137, 139, 141)

ESTABLISH – PASSENGER LOADING ZONE, AT ALL TIMES EXCEPT 3 PM TO 7 PM MONDAY THROUGH FRIDAY

New Montgomery Street, east side, from 14 feet to 80 feet north of Howard Street (extends length and hours of existing passenger loading zone, removes parking meter #147)

ESTABLISH – SHUTTLE BUS ZONE 7 AM TO 2 AM DAILY

New Montgomery Street west side, from 41 feet to 141 feet north of Howard Street (relocates existing shuttle bus zone south; removes six-wheeled truck meters #146 & 148)

RESCIND – NO STOPPING EXCEPT BICYCLES

RESCIND – BIKE SHARE STATION

Natoma Street, south side, from 31 feet to 89 feet west of New Montgomery Street

ESTABLISH - NO STOPPING EXCEPT BICYCLES

ESTABLISH - BIKE SHARE STATION

Minna Street, north side, from 59 feet to 123 feet east of New Montgomery Street (64-foot station, removes yellow meters 114, 116 & 118)

ESTABLISH – RAISED CROSSWALK

Minna Street at 3rd Street, east leg

Minna Street at New Montgomery Street, east and west legs

Natoma Street at New Montgomery Street, east and west legs

ESTABLISH – SPEED TABLE

Natoma Street, midblock west of New Montgomery Street

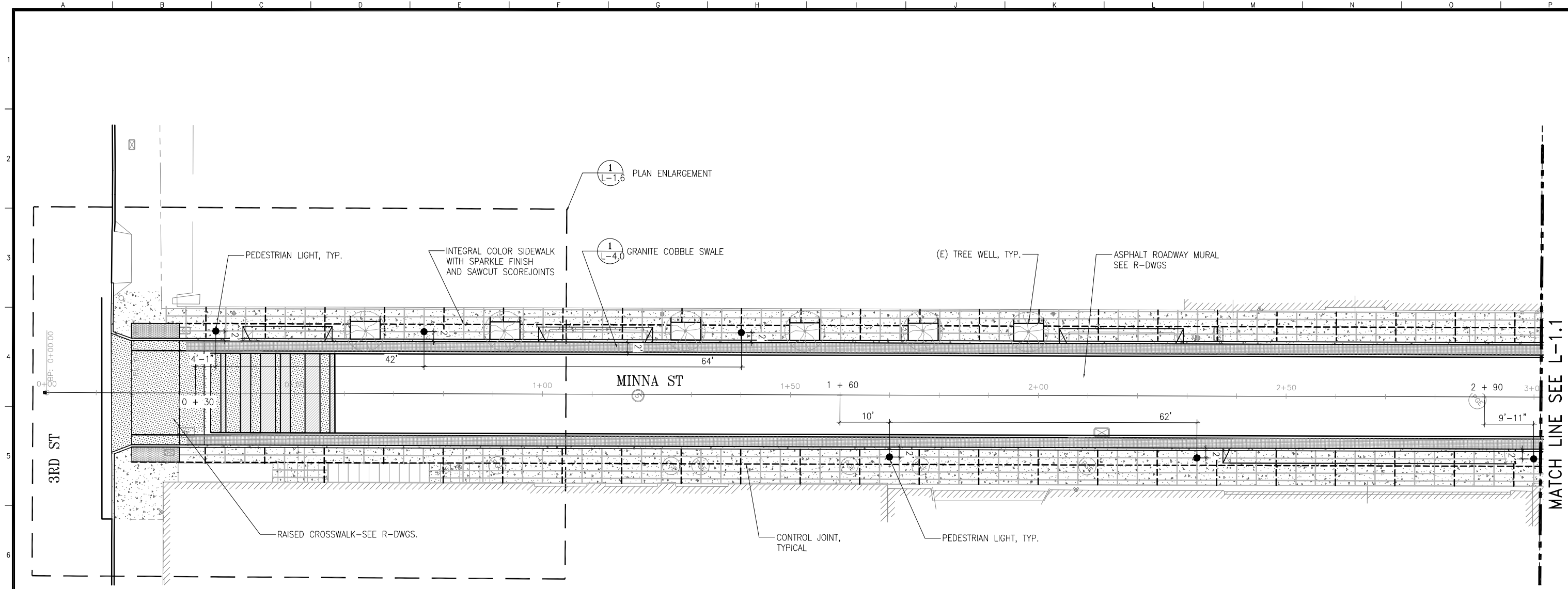
Minna-Natoma Art Corridor Project - Traffic & Parking Legislation

Page 3 of 2

Supervisor District 6

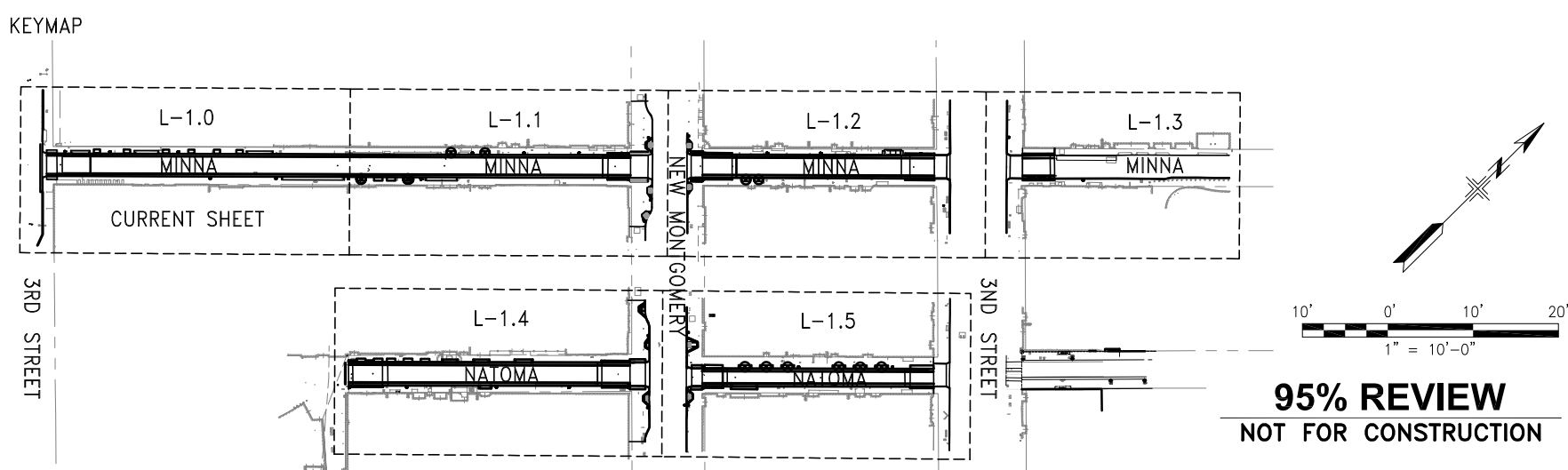
Ellen Robinson, ellen.robinson@sfmta.com

The Minna-Natoma Art Corridor Project adds pedestrian and streetscape improvements along Minna and Natoma alleys between 2nd Street and 3rd Street, including a new traffic signal at Natoma Street/New Montgomery Street, sidewalk bulbs, raised crosswalks, a speed table/raised roadway section, decorative paving, pedestrian-scale lighting and public art.



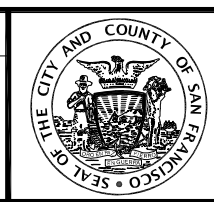
MATERIALS LEGEND & NOTES

	INTEGRAL COLOR WITH SPARKLE GRAINS CONCRETE PAVING TYPE 1; SEE SPECS.		SCORE JOINT
	INTEGRAL COLOR CONCRETE PAVING TYPE 2; SEE SPECS.		CONTROL JOINT
	INTEGRAL COLOR CONCRETE PAVING TYPE 3; SEE SPECS.		KEY JOINT
	GRANITE COBBLE SWALE, MORTARED ON TO CONCRETE BASE; SEE SPECS	NOTES:	
	TRUNCATED DOMES SEE ROADWAY DRAWINGS.	1. INSTALL NEW PAVING FLUSH WITH ADJACENT PAVING AND DRIVEWAYS, RAISE OR LOWER THE UTILITY COVER TO CONFORM WITH NEW PAVING.	
	TRAPEZOIDAL DELINEATOR; SEE SPECS	2. CONTRACTOR TO V.I.F. ALL DIMENSIONS.	
		3. SEE ROADWAY DRAWINGS FOR CURB ALIGNMENT, ROADWAY AND SIDEWALK PAVING.	
		4. SEE ROADWAY DRAWINGS FOR DEMOLITION PLAN.	
		5. SEE STRUCTURAL DRAWINGS FOR LIGHT POLE FOOTINGS.	
		6. SEE ELECTRICAL DRAWINGS FOR ELECTRICAL.	
		7. SEE SPECS FOR MATERIALS, COLORS, AND FINISHES.	



NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
THIS DRAWING WAS LAST MODIFIED: 06/30/22 16:51, BY: lcuervas				

REFERENCE INFORMATION & FILE NO. OF SURVEYS



BUREAU OF ENGINEERING
CITY & COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
49 SOUTH VAN NESS AVENUE, SUITE 800
SAN FRANCISCO, CA 94103

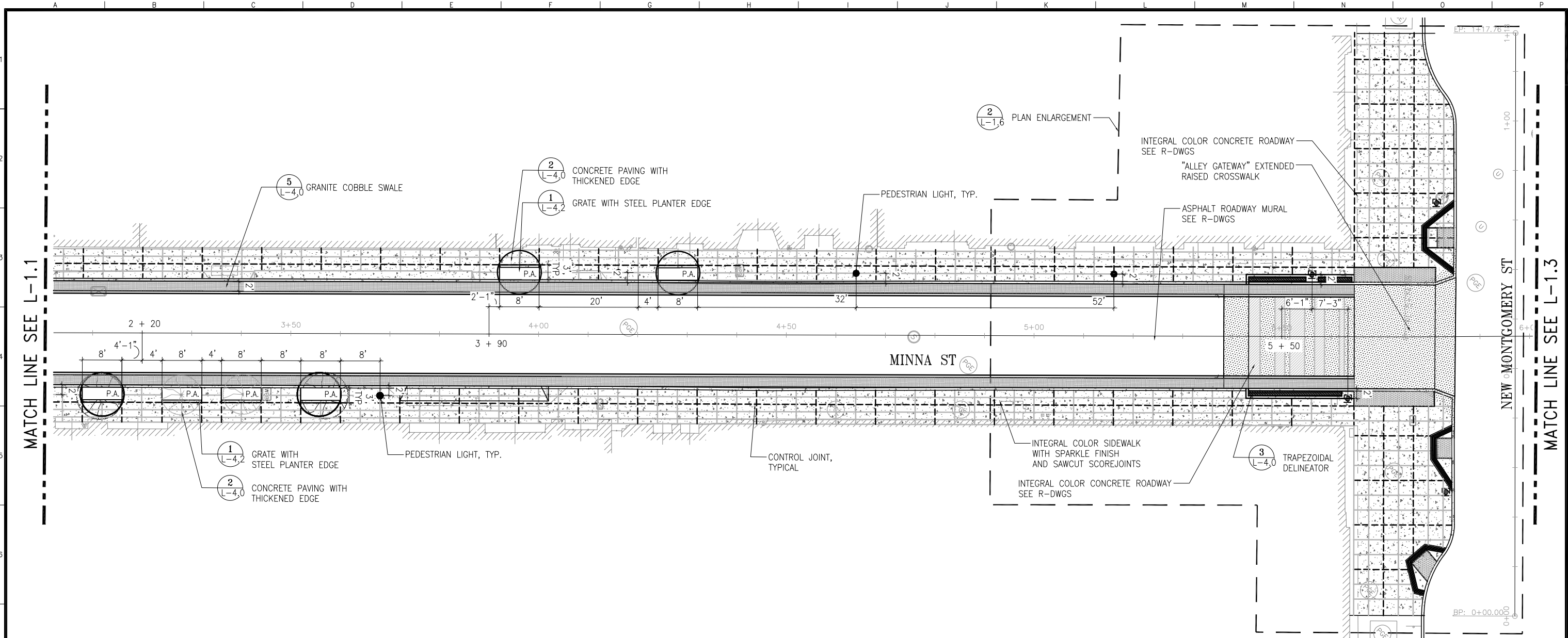
Section Mgr:	Date:	DESIGNED:	DATE:
Bureau Mgr:	Date:	DRAWN:	DATE:
City Architect:	Date:	CHECKED:	DATE:
J. COOPER	05/13/2021	J. COOPER	06/2022
R. ALAMEIDA	05/13/2021	R. ALAMEIDA	06/2022

SCALE:
1"=10'-0"
SHEET OF SHEETS

MINNA NATOMA ART CORRIDORS
LAYOUT AND MATERIALS PLAN
MINNA ST AT 3RD ST

CONTRACT NO.	XXXX
DRAWING NO.	L-1.0
FILE NO.	XXX
REV. NO.	X

Drawing Path: V:\1\2071_Minna_Natoma_StreetScope_Project\2_Design\Working_Drawings\ALA_Sheets\12071_1_0_LAYOUT\MATERIALS\12071_1_0_LAYOUT\EXIST.dwg
 Xrefs: ..\Base_Plans\L-1.dwg
 \SFPW_ARUP_TB_22X34_MIN-NAT.dwg
 ..\Base_Plans\XREF\BASE_Minna-Natoma_V7.dwg
 Login: lcuervas
 Model Units: Feet
 Measurement Units: Feet
 Plot Time: Thu, 30 Jun 2022 - 5:37pm

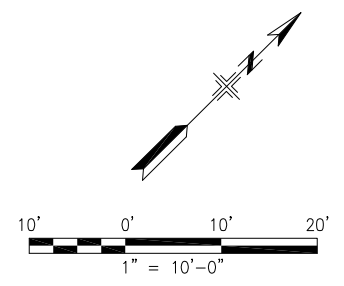
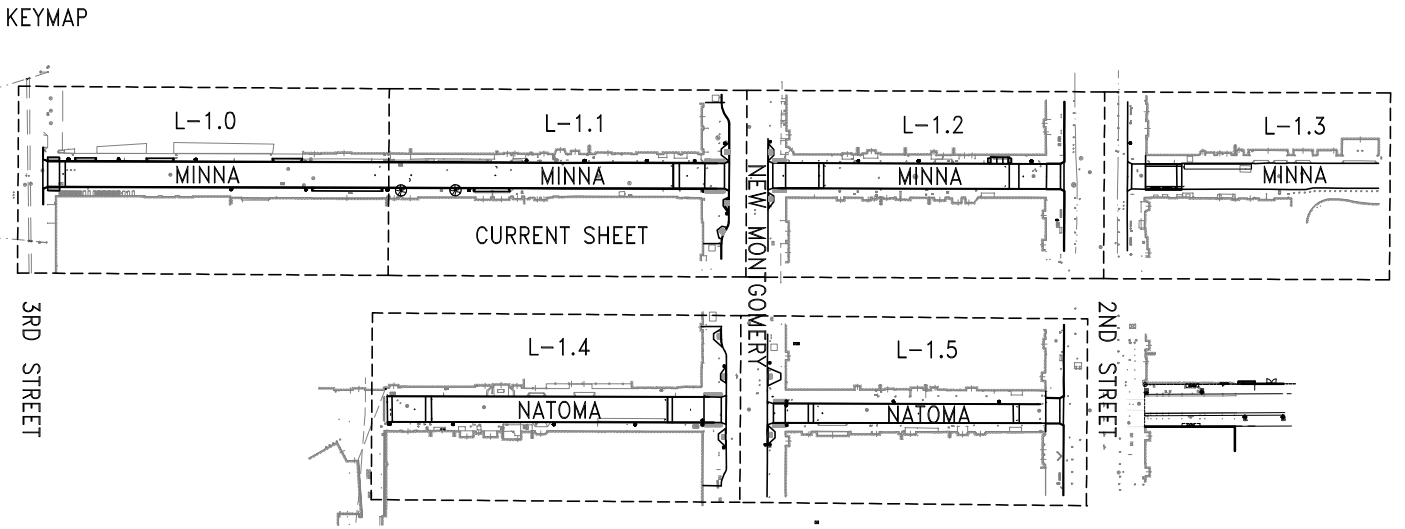


MATCH LINE SEE L-1.1

MATCH LINE SEE L-1.3

MATERIALS LEGEND & NOTES

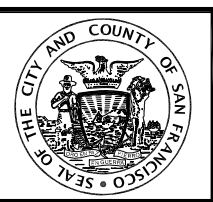
	INTEGRAL COLOR WITH SPARKLE GRAINS CONCRETE PAVING TYPE 1; SEE SPECS.		SCORE JOINT
	INTEGRAL COLOR CONCRETE PAVING TYPE 2; SEE SPECS.		CONTROL JOINT
	INTEGRAL COLOR CONCRETE PAVING TYPE 3; SEE SPECS.		KEY JOINT
	GRANITE COBBLE SWALE, MORTARED ON TO CONCRETE BASE; SEE SPECS	NOTES:	
	TRUNCATED DOMES SEE ROADWAY DRAWINGS.	1. INSTALL NEW PAVING FLUSH WITH ADJACENT PAVING AND DRIVEWAYS, RAISE OR LOWER THE UTILITY COVER TO CONFORM WITH NEW PAVING.	
	TRAPEZOIDAL DELINEATOR; SEE SPECS	2. CONTRACTOR TO V.I.F. ALL DIMENSIONS.	
		3. SEE ROADWAY DRAWINGS FOR CURB ALIGNMENT, ROADWAY AND SIDEWALK PAVING.	
		4. SEE ROADWAY DRAWINGS FOR DEMOLITION PLAN.	
		5. SEE STRUCTURAL DRAWINGS FOR LIGHT POLE FOOTINGS.	
		6. SEE ELECTRICAL DRAWINGS FOR ELECTRICAL.	
		7. SEE SPECS FOR MATERIALS, COLORS, AND FINISHES.	



95% REVIEW
NOT FOR CONSTRUCTION

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
THIS DRAWING WAS LAST MODIFIED: 06/30/22 16:51, BY: lcuervas				

REFERENCE INFORMATION & FILE NO. OF SURVEYS



BUREAU OF ENGINEERING
CITY & COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
49 SOUTH VAN NESS AVENUE, SUITE 800
SAN FRANCISCO, CA 94103

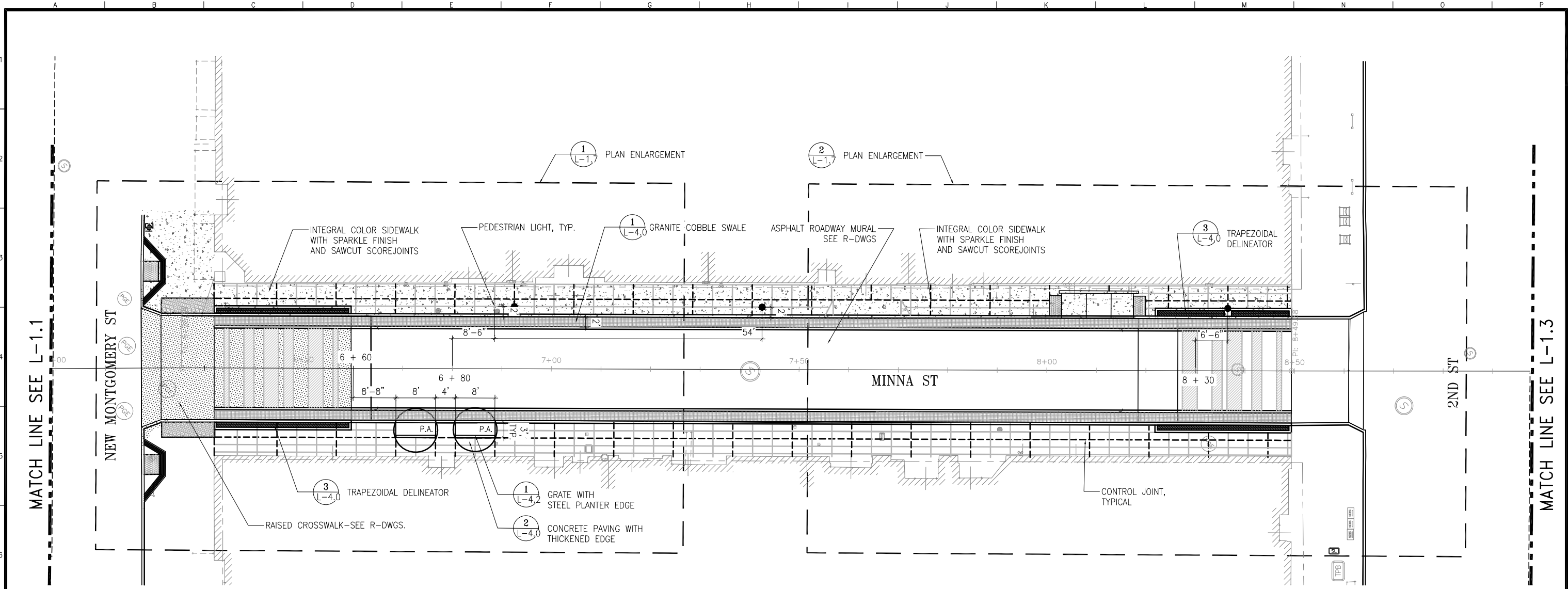
Section Mgr:	Date:	DESIGNED:	DATE:
Bureau Mgr:	Date:	DRAWN:	DATE:
City Architect:	Date:	CHECKED:	DATE:
J. COOPER	05/13/2021	R. ALAMEIDA	06/2022
	05/13/2021		06/2022

SCALE:
1"=10'-0"
SHEET OF SHEETS

MINNA NATOMA ART CORRIDORS
LAYOUT AND MATERIALS PLAN
MINNA ST BTWN NEW MONTGOMERY & 2ND ST

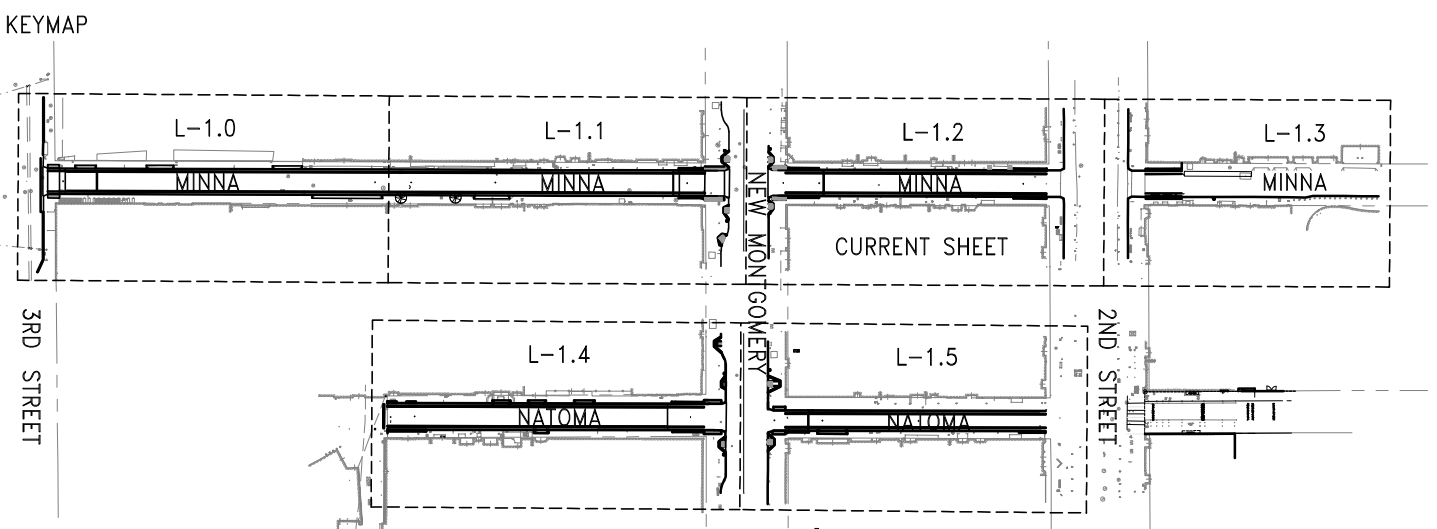
CONTRACT NO.	XXXX
DRAWING NO.	L-1.1
FILE NO.	XXX
REV. NO.	X

Drawing Path: V:\1\207L_Minna_Natoma_Streetscape_Project\2_Design\Working_Drawings\Drawings\ALA_Sheets\1207L_1.0_LAYOUT\AWB\MATERIALS_3\Scale_recover.dwg; Login: lcuervas
 Xrefs: ..\Base_Plans\L_EXIST.dwg
 \SFPW_ARUP_TB_22x34_MIN-NAT.dwg
 ..\Base_Plans\XREF\R_BASE_Minna-Natoma_V7.dwg
 Model Units: Feet
 Measurement Units are English
 Plot Time: Thu, 30 Jun 2022 - 6:14pm



MATERIALS LEGEND & NOTES

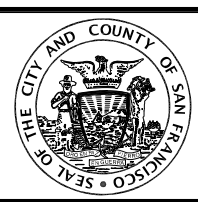
	INTEGRAL COLOR WITH SPARKLE GRAINS CONCRETE PAVING TYPE 1; SEE SPECS.		SCORE JOINT
	INTEGRAL COLOR CONCRETE PAVING TYPE 2; SEE SPECS.		CONTROL JOINT
	INTEGRAL COLOR CONCRETE PAVING TYPE 3; SEE SPECS.		KEY JOINT
	GRANITE COBBLE SWALE, MORTARED ON TO CONCRETE BASE; SEE SPECS	NOTES:	
	TRUNCATED DOMES SEE ROADWAY DRAWINGS.	1. INSTALL NEW PAVING FLUSH WITH ADJACENT PAVING AND DRIVEWAYS, RAISE OR LOWER THE UTILITY COVER TO CONFORM WITH NEW PAVING.	
	TRAPEZOIDAL DELINEATOR; SEE SPECS	2. CONTRACTOR TO V.I.F. ALL DIMENSIONS.	
		3. SEE ROADWAY DRAWINGS FOR CURB ALIGNMENT, ROADWAY AND SIDEWALK PAVING.	
		4. SEE ROADWAY DRAWINGS FOR DEMOLITION PLAN.	
		5. SEE STRUCTURAL DRAWINGS FOR LIGHT POLE FOOTINGS.	
		6. SEE ELECTRICAL DRAWINGS FOR ELECTRICAL.	
		7. SEE SPECS FOR MATERIALS, COLORS, AND FINISHES.	



95% REVIEW
NOT FOR CONSTRUCTION

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
THIS DRAWING WAS LAST MODIFIED: 06/30/22 16:51, BY: lcuervas				

REFERENCE INFORMATION & FILE NO. OF SURVEYS



BUREAU OF ENGINEERING
CITY & COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
49 SOUTH VAN NESS AVENUE, SUITE 800
SAN FRANCISCO, CA 94103

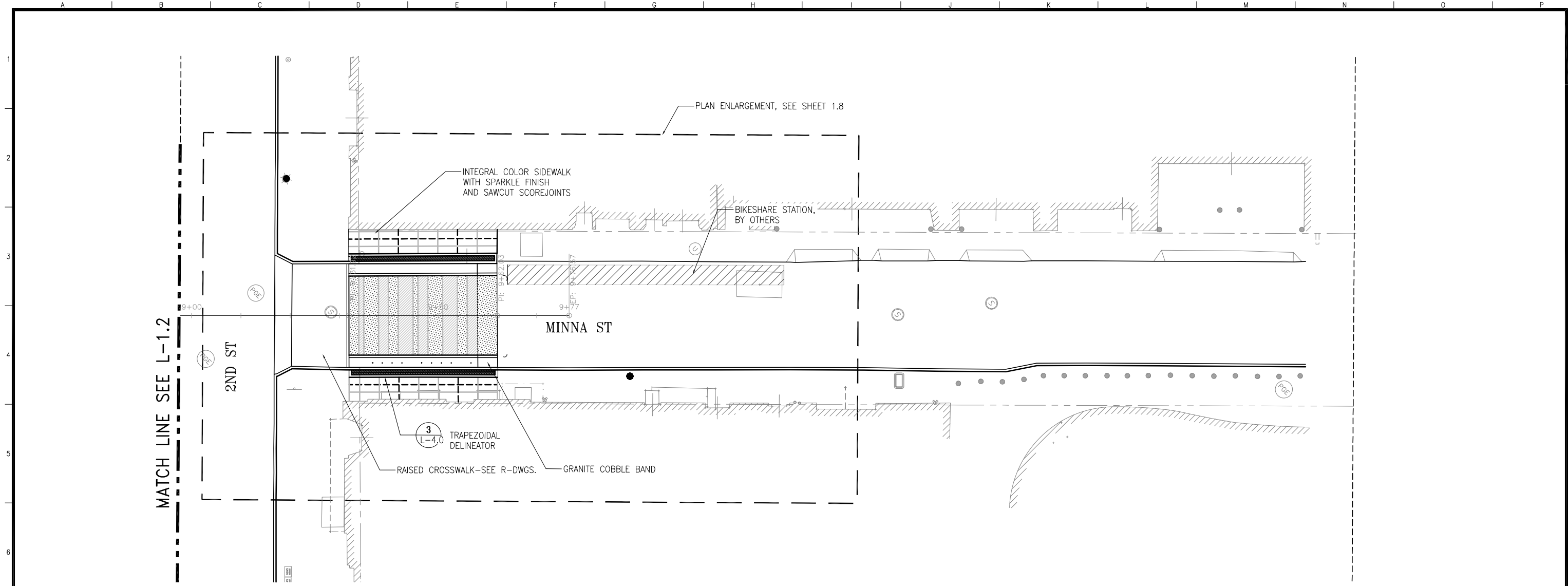
Section Mgr:	Date:	DESIGNED:	DATE:
Bureau Mgr:	Date:	DRAWN:	DATE:
City Architect:	Date:	CHECKED:	DATE:
J. COOPER	05/13/2021	J. COOPER	06/2022
R. ALAMEIDA	05/13/2021	R. ALAMEIDA	06/2022

SCALE:
1"=10'-0"
SHEET OF SHEETS

MINNA NATOMA ART CORRIDORS
LAYOUT AND MATERIALS PLAN
MINNA ST BTWN NEW MONTGOMERY & 2ND ST

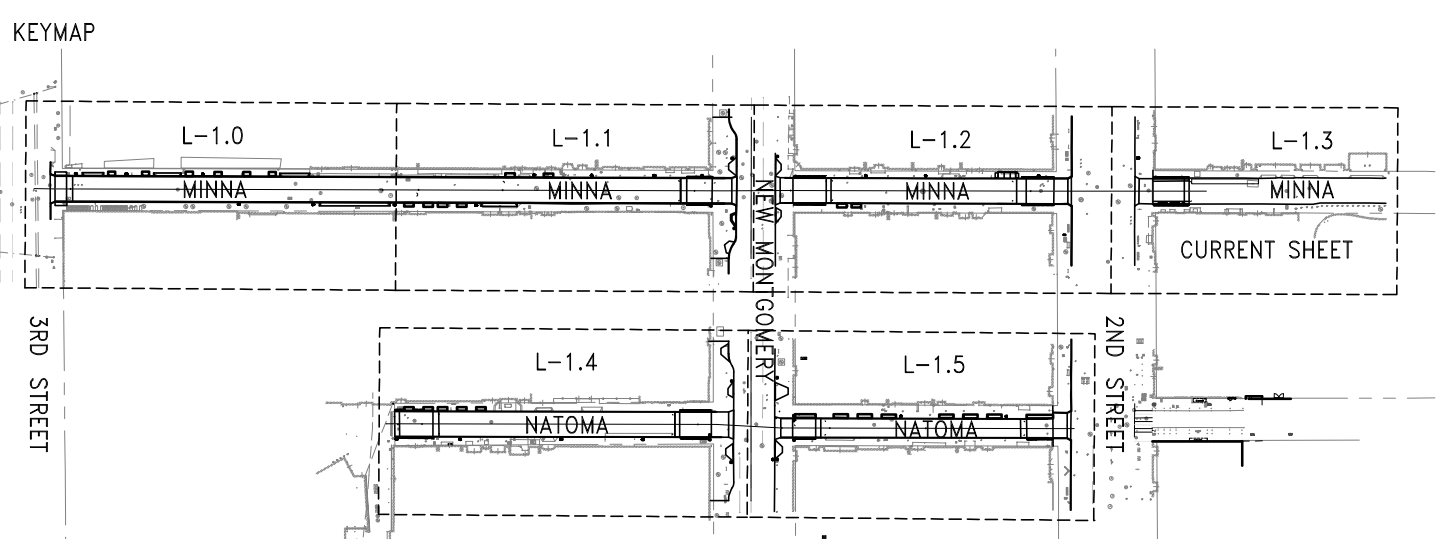
CONTRACT NO.	XXXX
DRAWING NO.	L-1.2
FILE NO.	XXX
REV. NO.	X

Drawing Path: V:\1\2071_Minna_Natoma_Streetscape_Project\2_Design\Working\Drawings\ALA\Sheets\12071_1_0_LAYOUT\DRAWING\MATERIALS_9\Oscale_recover.dwg; Login: lcuervas
 Xrefs: ..\Base_Plans\L_EXIST.dwg
 ..\SFPW_ARUP_TB_22X34_MIN-NAT.dwg
 ..\Base_Plans\XREF\R_BASE_Minna-Natoma_V7.dwg
 Model Units: Feet
 Measurement Units: Feet
 Plot Time: Thu, 30 Jun 2022 - 6:15pm



MATERIALS LEGEND & NOTES

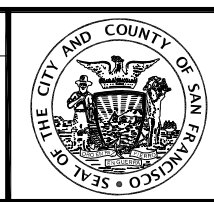
	INTEGRAL COLOR WITH SPARKLE GRAINS CONCRETE PAVING TYPE 1; SEE SPECS.		SCORE JOINT
	INTEGRAL COLOR CONCRETE PAVING TYPE 2; SEE SPECS.		CONTROL JOINT
	INTEGRAL COLOR CONCRETE PAVING TYPE 3; SEE SPECS.		KEY JOINT
	GRANITE COBBLE SWALE, MORTARED ON TO CONCRETE BASE; SEE SPECS	NOTES:	
	TRUNCATED DOMES SEE ROADWAY DRAWINGS.	1. INSTALL NEW PAVING FLUSH WITH ADJACENT PAVING AND DRIVEWAYS, RAISE OR LOWER THE UTILITY COVER TO CONFORM WITH NEW PAVING.	
	TRAPEZOIDAL DELINEATOR; SEE SPECS	2. CONTRACTOR TO V.I.F. ALL DIMENSIONS.	
		3. SEE ROADWAY DRAWINGS FOR CURB ALIGNMENT, ROADWAY AND SIDEWALK PAVING.	
		4. SEE ROADWAY DRAWINGS FOR DEMOLITION PLAN.	
		5. SEE STRUCTURAL DRAWINGS FOR LIGHT POLE FOOTINGS.	
		6. SEE ELECTRICAL DRAWINGS FOR ELECTRICAL.	
		7. SEE SPECS FOR MATERIALS, COLORS, AND FINISHES.	



95% REVIEW
NOT FOR CONSTRUCTION

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
THIS DRAWING WAS LAST MODIFIED: 06/30/22 16:51, BY: lcuevas				

REFERENCE INFORMATION & FILE NO. OF SURVEYS



BUREAU OF ENGINEERING
CITY & COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
49 SOUTH VAN NESS AVENUE, SUITE 800
SAN FRANCISCO, CA 94103

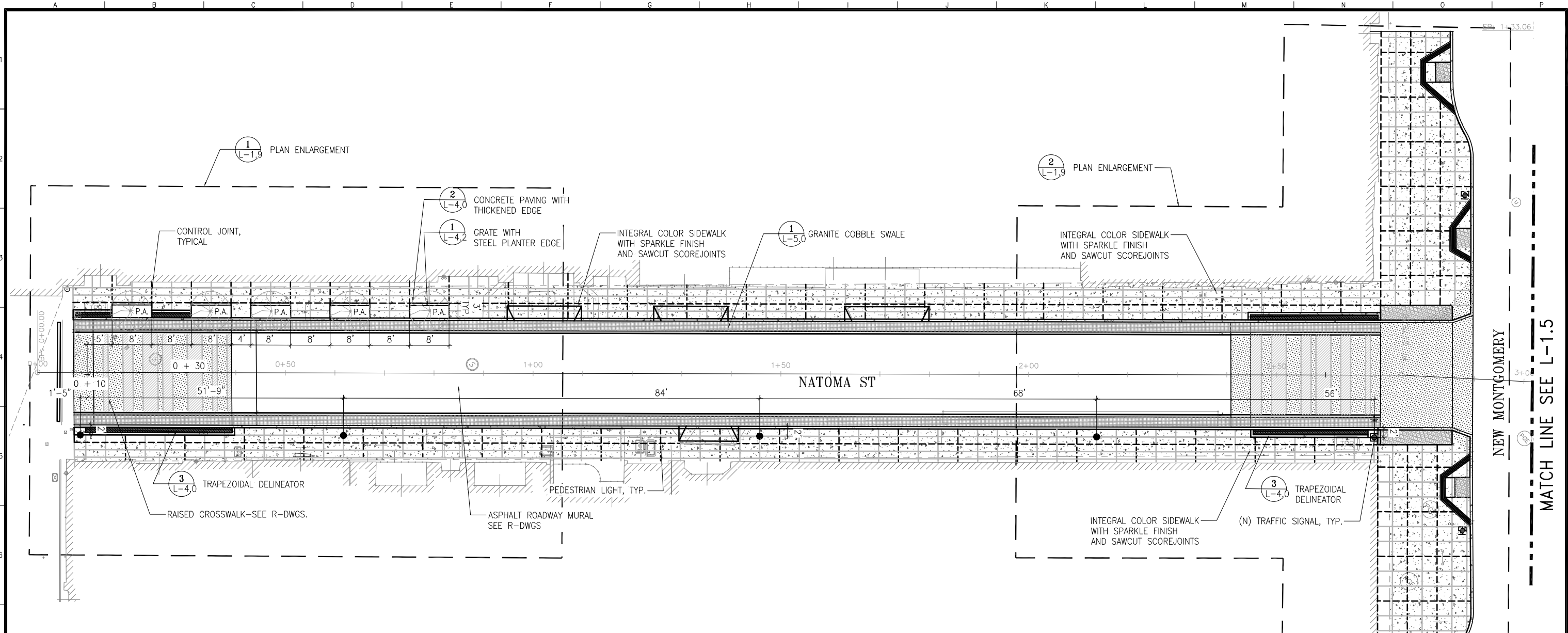
Section Mgr:	Date:	DESIGNED:	DATE:
Bureau Mgr:	Date:	DRAWN:	DATE:
City Architect:	Date:	CHECKED:	DATE:
J. COOPER	05/13/2021	J. COOPER	06/2022
R. ALAMEIDA	05/13/2021	R. ALAMEIDA	06/2022

SCALE:
1"=10'-0"
SHEET OF SHEETS

MINNA NATOMA ART CORRIDORS
LAYOUT AND MATERIALS PLAN
MINNA ST AT 2ND ST

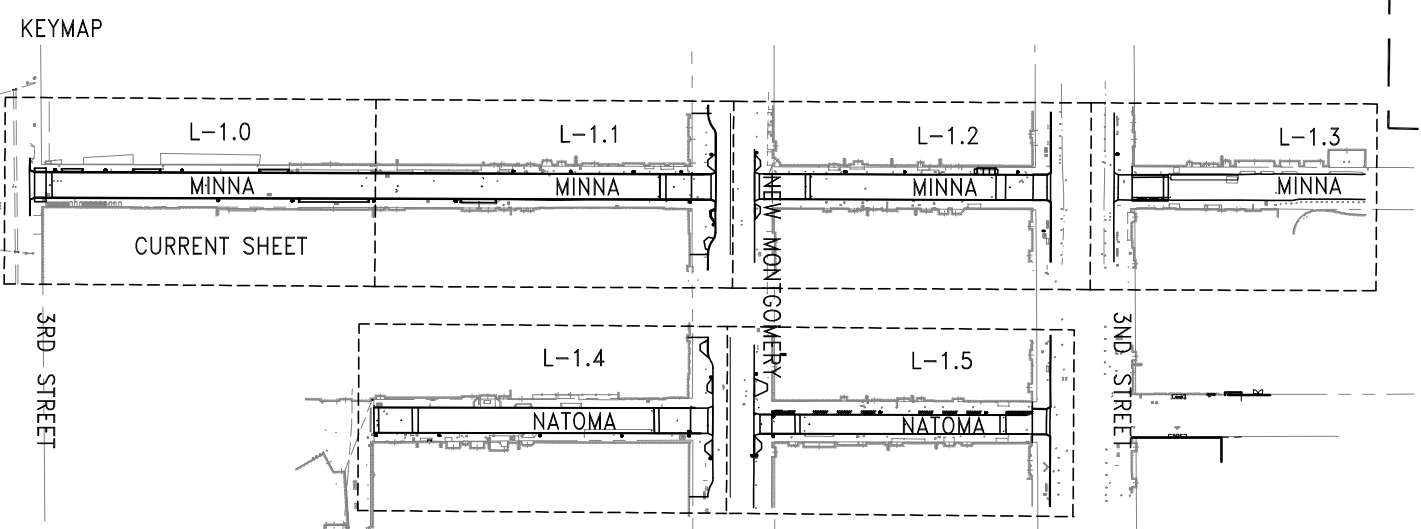
CONTRACT NO.	XXXX
DRAWING NO.	L-1.3
FILE NO.	XXX
REV. NO.	X

Xrefs: ..\Base_Plans\L_EXIST.dwg
 ..\SFPW_ARUP_TB_22X34_MIN-NAT.dwg
 ..\Base_Plans\XREF\R_BASE_Minna-Natoma_V7.dwg
 Design: lcuevas
 Login: lcuevas
 Model Units: Feet
 Drawing Path: V:\207L_Minna_Natoma_Streetscape_Project\2_Design\Working_Drawings\ALA_Sheets\207L_1_0_LAYOUT\MATERIALS\95%_Review\recover.dwg
 Plot Time: Thu, 30 Jun 2022 - 6:16pm



MATERIALS LEGEND & NOTES

	INTEGRAL COLOR WITH SPARKLE GRAINS CONCRETE PAVING TYPE 1; SEE SPECS.		SCORE JOINT
	INTEGRAL COLOR CONCRETE PAVING TYPE 2; SEE SPECS.		CONTROL JOINT
	INTEGRAL COLOR CONCRETE PAVING TYPE 3; SEE SPECS.		KEY JOINT
	GRANITE COBBLE SWALE, MORTARED ON TO CONCRETE BASE; SEE SPECS	NOTES:	
	TRUNCATED DOMES SEE ROADWAY DRAWINGS.	1. INSTALL NEW PAVING FLUSH WITH ADJACENT PAVING AND DRIVEWAYS, RAISE OR LOWER THE UTILITY COVER TO CONFORM WITH NEW PAVING.	
	TRAPEZOIDAL DELINEATOR; SEE SPECS	2. CONTRACTOR TO V.I.F. ALL DIMENSIONS.	
		3. SEE ROADWAY DRAWINGS FOR CURB ALIGNMENT, ROADWAY AND SIDEWALK PAVING.	
		4. SEE ROADWAY DRAWINGS FOR DEMOLITION PLAN.	
		5. SEE STRUCTURAL DRAWINGS FOR LIGHT POLE FOOTINGS.	
		6. SEE ELECTRICAL DRAWINGS FOR ELECTRICAL.	
		7. SEE SPECS FOR MATERIALS, COLORS, AND FINISHES.	

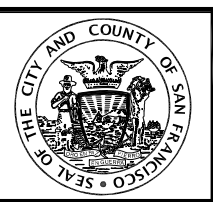


Scale: 1" = 10'-0"

95% REVIEW
NOT FOR CONSTRUCTION

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
THIS DRAWING WAS LAST MODIFIED: 06/30/22 16:51, BY: lcuevas				

REFERENCE INFORMATION & FILE NO. OF SURVEYS



BUREAU OF ENGINEERING
CITY & COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
49 SOUTH VAN NESS AVENUE, SUITE 800
SAN FRANCISCO, CA 94103

Section Mgr:	Date:	DESIGNED:	DATE:
Bureau Mgr:	Date:	DRAWN:	DATE:
City Architect:	Date:	CHECKED:	DATE:
J. COOPER	05/13/2021	J. COOPER	06/2022
R. ALAMEIDA	05/13/2021	R. ALAMEIDA	06/2022

SCALE:
1"=10'-0"

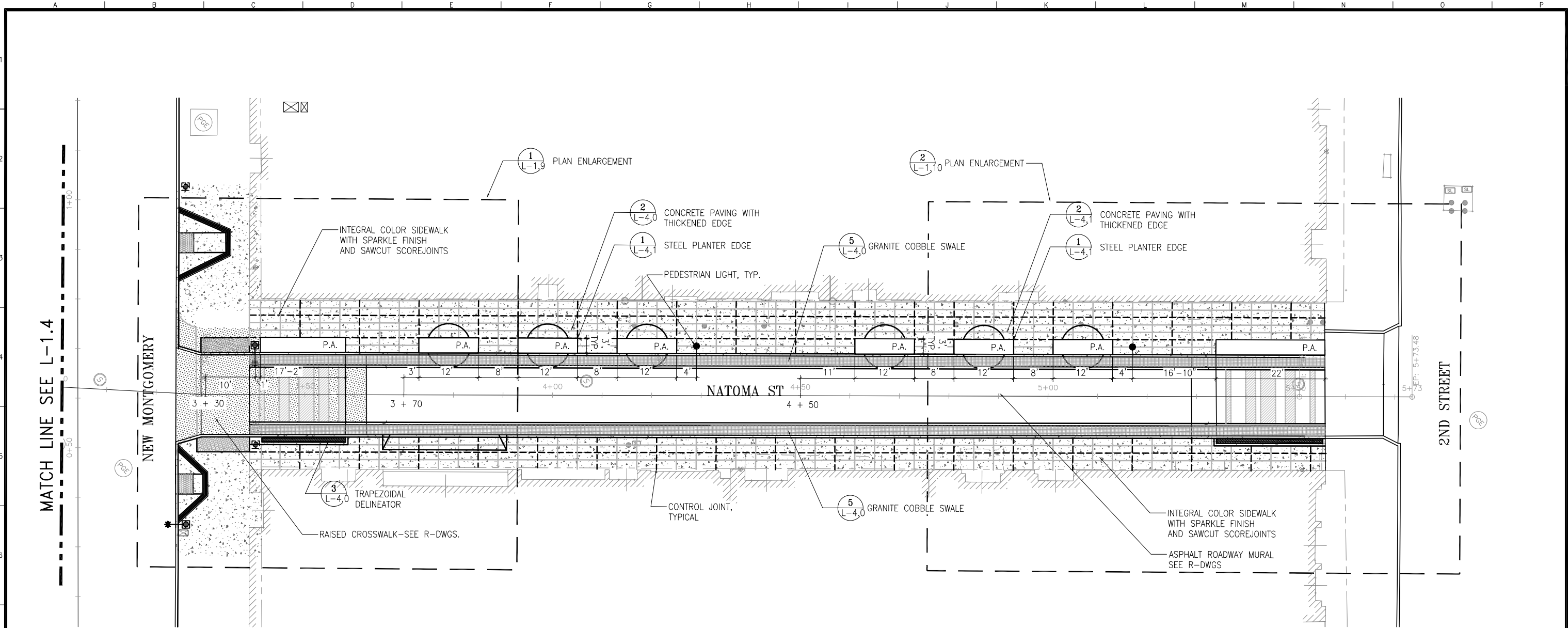
SHEET OF SHEETS

MINNA NATOMA ART CORRIDORS

**LAYOUT AND MATERIALS PLAN
NATOMA ST AT NEW MONTGOMERY**

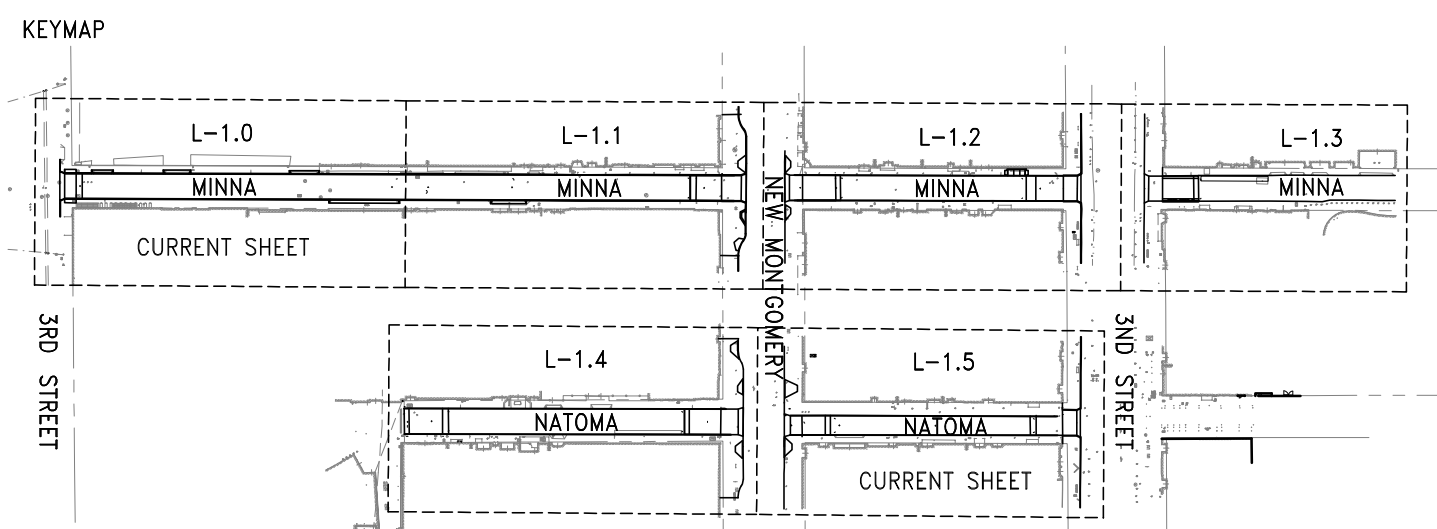
CONTRACT NO.	XXXX
DRAWING NO.	L-1.4
FILE NO.	XXX
REV. NO.	X

Drawing Path: V:\1\2071_Minna_Natoma_Streetscape_Project\2_Design\Working_Drawings\ALA_Sheets\12071_1_0_LAYOUT\DRAWINGMATERIALS\12071_1_0_LAYOUT\SCALE\recover.dwg Login: lcuevas
 Model Units: Feet
 Xrefs: ..\Base_Plans\L_EXIST.dwg
 ..\SFPW_ARUP_TB_22x34_MIN-NAT.dwg
 ..\Base_Plans\XREF\R_BASE_Minna-Natoma_V7.dwg
 Plot Time: Thu, 30 Jun 2022 - 6:22pm



MATERIALS LEGEND & NOTES

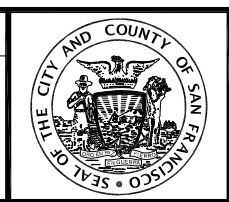
	INTEGRAL COLOR WITH SPARKLE GRAINS CONCRETE PAVING TYPE 1; SEE SPECS.		SCORE JOINT
	INTEGRAL COLOR CONCRETE PAVING TYPE 2; SEE SPECS.		CONTROL JOINT
	INTEGRAL COLOR CONCRETE PAVING TYPE 3; SEE SPECS.		KEY JOINT
	GRANITE COBBLE SWALE, MORTARED ON TO CONCRETE BASE; SEE SPECS	NOTES:	
	TRUNCATED DOMES SEE ROADWAY DRAWINGS.	1. INSTALL NEW PAVING FLUSH WITH ADJACENT PAVING AND DRIVEWAYS, RAISE OR LOWER THE UTILITY COVER TO CONFORM WITH NEW PAVING.	
	TRAPEZOIDAL DELINEATOR; SEE SPECS	2. CONTRACTOR TO V.I.F. ALL DIMENSIONS.	
		3. SEE ROADWAY DRAWINGS FOR CURB ALIGNMENT, ROADWAY AND SIDEWALK PAVING.	
		4. SEE ROADWAY DRAWINGS FOR DEMOLITION PLAN.	
		5. SEE STRUCTURAL DRAWINGS FOR LIGHT POLE FOOTINGS.	
		6. SEE ELECTRICAL DRAWINGS FOR ELECTRICAL.	
		7. SEE SPECS FOR MATERIALS, COLORS, AND FINISHES.	



95% REVIEW
NOT FOR CONSTRUCTION

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
THIS DRAWING WAS LAST MODIFIED: 06/30/22 16:51, BY: lcuevas				

REFERENCE INFORMATION & FILE NO. OF SURVEYS



BUREAU OF ENGINEERING
CITY & COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
49 SOUTH VAN NESS AVENUE, SUITE 800
SAN FRANCISCO, CA 94103

Section Mgr:	Date:	DESIGNED:	DATE:
Bureau Mgr:	Date:	DRAWN:	DATE:
City Architect:	Date:	CHECKED:	DATE:
J. COOPER	05/13/2021		06/2021
R. ALAMEIDA	05/13/2021		06/2022

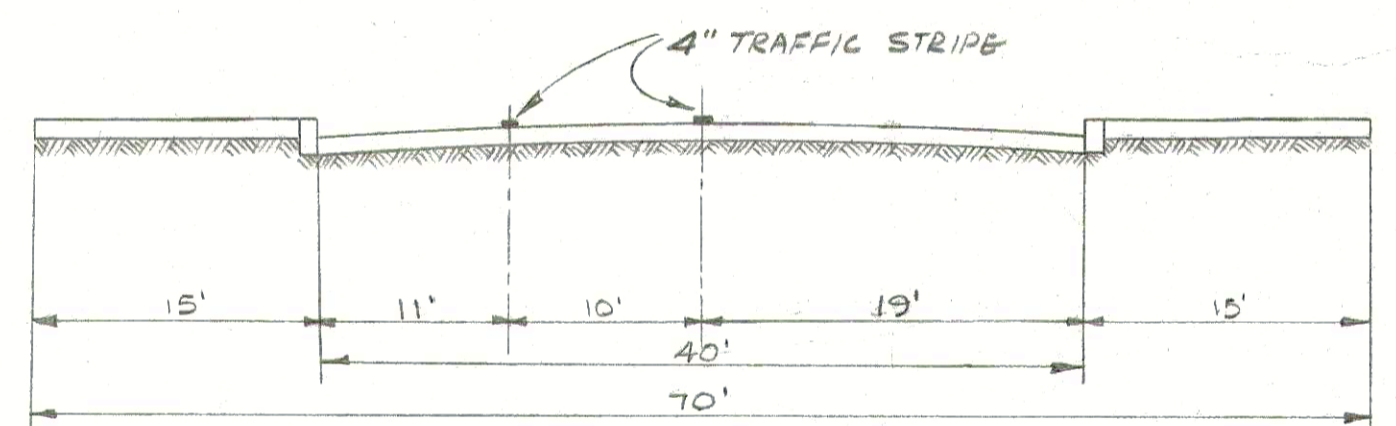
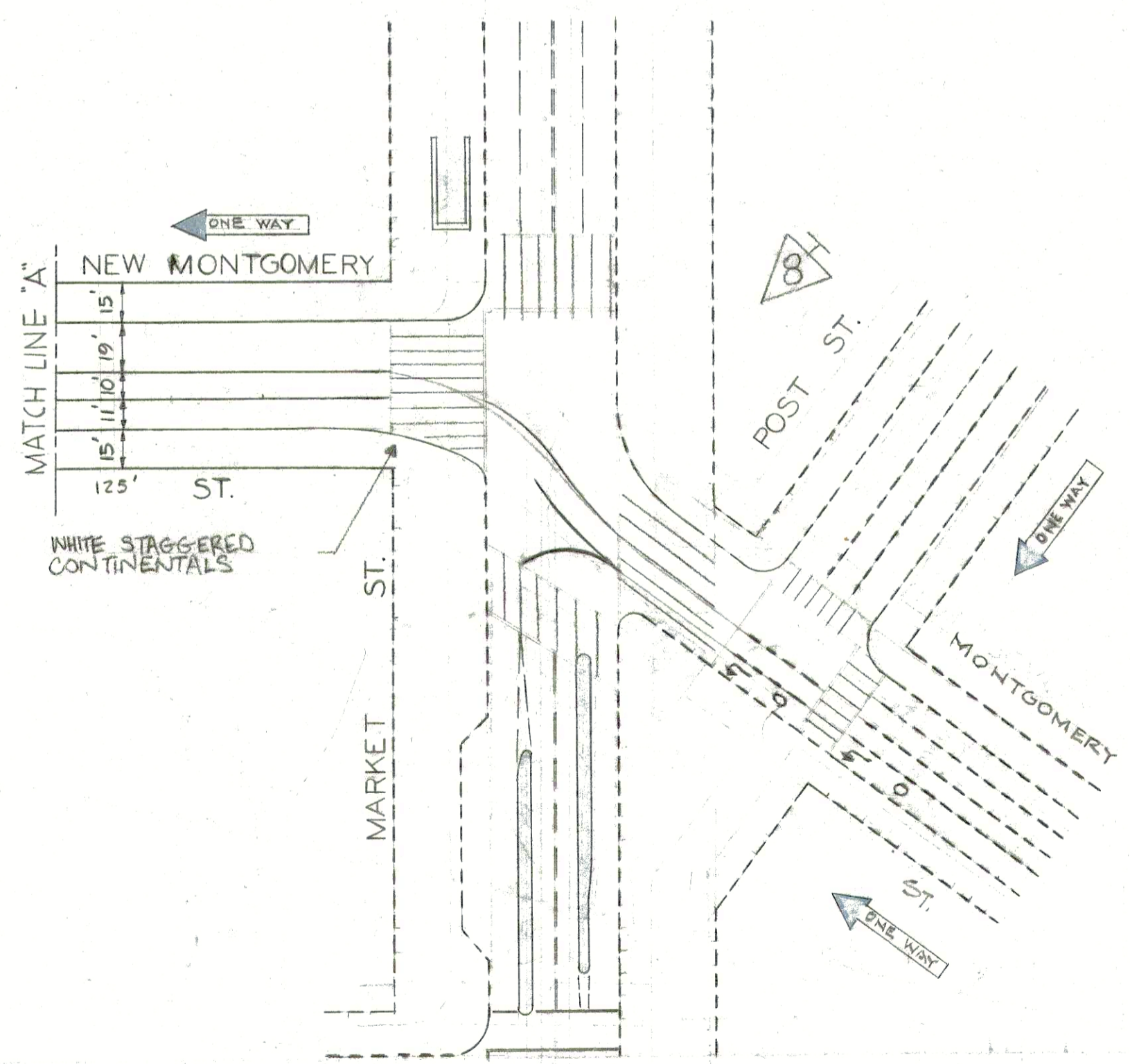
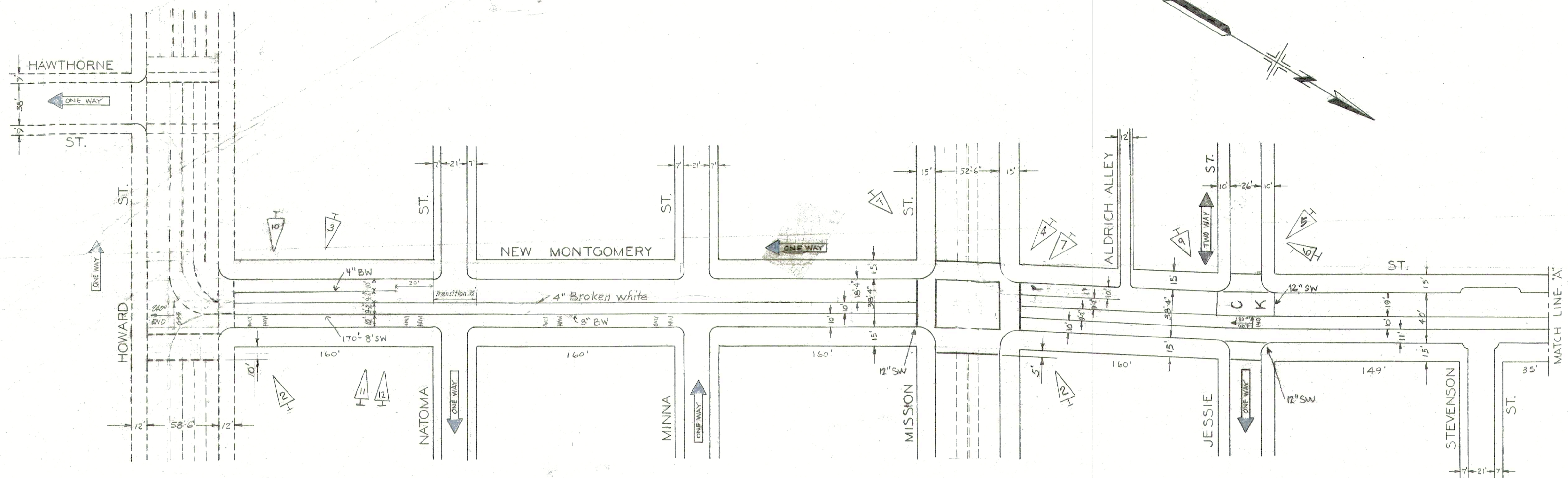
SCALE:
1"=10'-0"
SHEET OF SHEETS

MINNA NATOMA ART CORRIDORS
LAYOUT AND MATERIALS PLAN
NATOMA ST BTWN NEW MONTGOMERY & 2ND ST

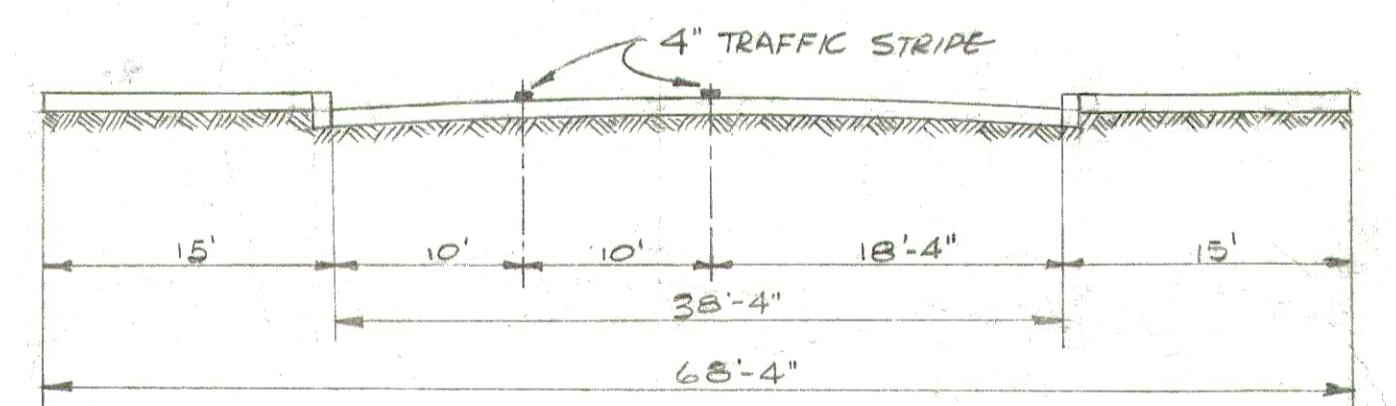
CONTRACT NO.	XXXX
DRAWING NO.	L-1.5
FILE NO.	XXX
REV. NO.	X

Xrefs: ..\Base_Plans\L-EXIST.dwg
 ..\SFPW_ARUP_TB_22X34_MIN-NAT.dwg
 ..\Base_Plans\XREF\R_BASE_Minna-Natoma_V7.dwg
 Login: lcuevas
 Model Units: Feet
 Drawing Path: V:\207L_Minna-Natoma_Streetscape_Project\2_Design\Working_Drawings\ALA_Sheets\1207L_1_0_LAYOUT\ANIMATE\MATERIALS_91207L_1_0_LAYOUT.dwg
 Plot Time: Thu, 30 Jun 2022 - 6:25pm

EXISTING TRAFFIC STRIPING - NEW MONTGOMERY STREET



TYPICAL X-SECTION NEW MONTGOMERY ST.
MARKET ST. TO JESSIE ST.
SCALE 1" = 10'



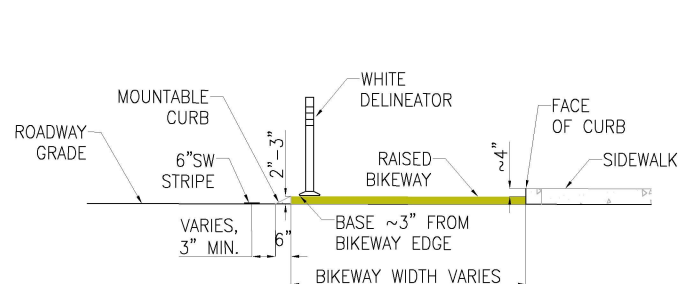
TYPICAL X-SECTION NEW MONTGOMERY ST.
MISSION ST. TO HOWARD ST.
SCALE 1" = 10'

NO.	DATE	DESCRIPTION	APPROVED	BY
11	4-29-19	Added pavement markings and 4" curbside gutter	BBD	W.Lening
10		Raised guidelanes & striping (SS) @ Howard	BWp	CSherwin
9	26-08-17	ADDED KC @ JESSIE	BWp	E.Chen
8	11-4-15	ADD WHITE STRIPES CONTIG @ MARKET	GP	AJ
7	11-1-07	Removed multiple north at Mission	TF	RO
6	7-16-94	Restored 2-way on Jessie 1/2 New Montgomery	HQ	SP
5	1-5-89	Added 1-WAY For CONSTR. @ Jessie	HQ	MW
4	6-20-78	Added 9' wide N/W of Mission	DSE	EMG
3	7-30-58	Added westerly 4' stripe so. of Natoma	SR-202	GDK
2	11-14-57	Set Back East X/W at Mission & Howard	JFK	AN.H.
1	10/1/53	Added Right Turn Lane near Mission St.		L.S.

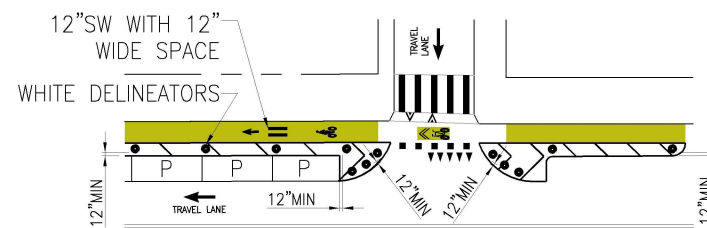
17- Proposed Heavy Ch. Men At Howard; 8" BW; EB; INSUR; Pref; Field; GD; JH

REFERENCES INSERT FILE NO'S OF SURVEYS, PLANS, ETC., USED STR-1533		CITY AND COUNTY OF SAN FRANCISCO DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING	
DESIGNED BY: _____ DATE: _____ DRAWN BY: W.S.N. DATE: 6-8-53 TRACED BY: W.S.N. DATE: 6-8-53			
CHECKED BY: _____ APPROVED: <i>[Signature]</i> DATE: 6-4-53 SECTION ENG. _____ DIVISION ENG. _____		NEW MONTGOMERY ST. MARKET TO HOWARD TRAFFIC STRIPING SCALE 1" = 50' @ AS SHOWN SHEET OF SHEETS APPROVED: _____ FILE STR-2104 CHANGE 12 DATE: _____ CITY ENGINEER	

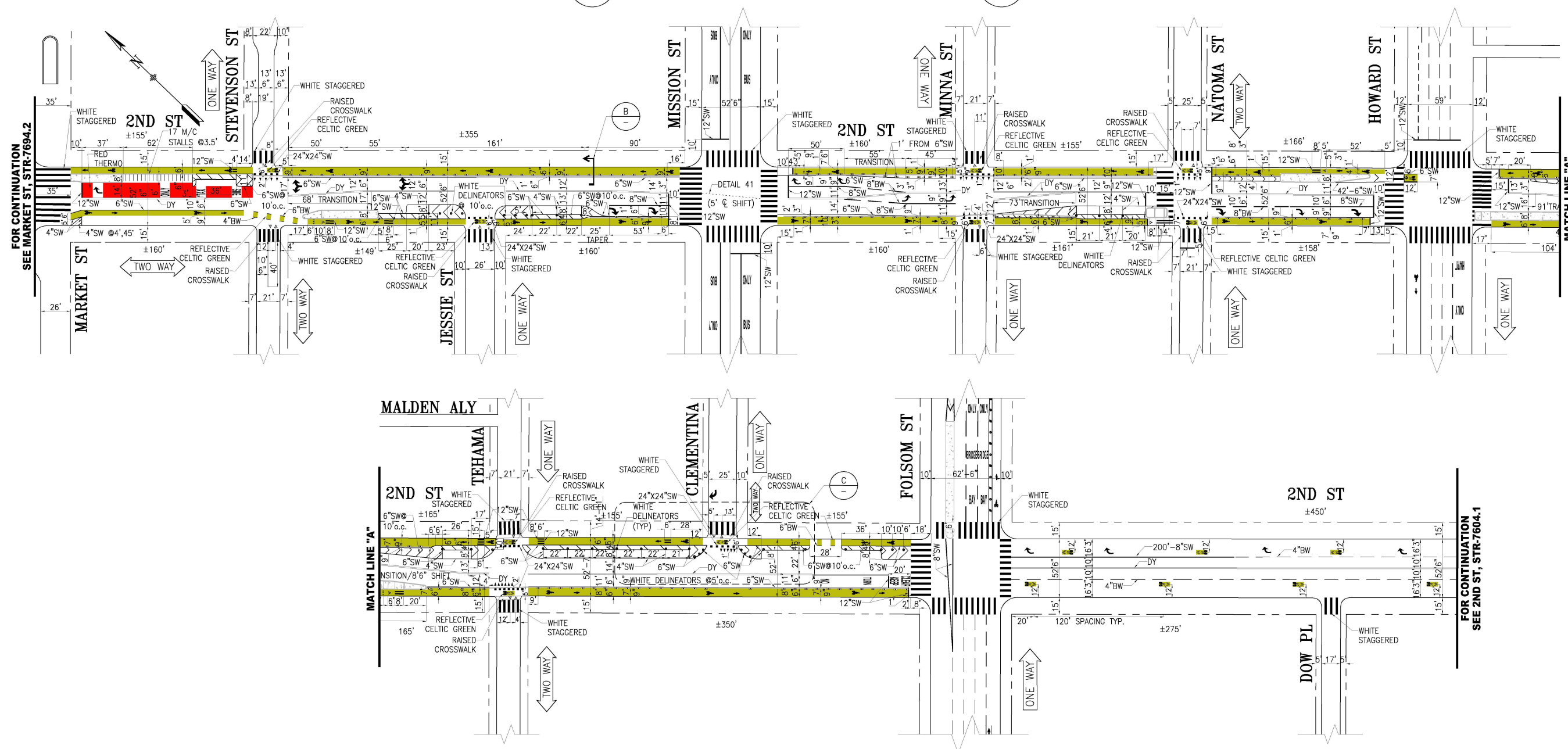
EXISTING TRAFFIC STRIPING - 2nd STREET



B TYPICAL RAISED BIKEWAY SECTION
NTS

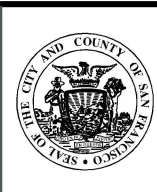


C DISTANCE BETWEEN EDGE OF DELINEATOR BASE AND CENTER OF STRIPING
1:30NTS



NO.	DATE	DESCRIPTION	BY	APP
1	01/23/20	ADD BUS/TAXI ONLY LANE AND LT/RT ARROWS BETWEEN MARKET & JESSIE	M.TAMIN	K.KWONG
2	01/18/19	ROAD DIET WITH BIKEWAYS, FLOATING PARKING, DELINEATORS FROM MARKET TO HOWARD;	E.ROBINSON	M.SALLABERRY
ADDED DELINEATORS FROM HOWARD TO FOLSOM				
3	12/17/18	ADD WHITE FLEXIBLE DELINEATORS IN FLOATING PARKING LANE	E.ROBINSON	M.SALLABERRY
4	12/17/18	ADD CURBSIDE BIKEWAYS/FLOATING PARKING, HOWARD TO FOLSOM; RT LANE RT ONLY NB SO. OF FOLSOM	E.ROBINSON	M.SALLABERRY
5	05/16/16	MOVED FOLSOM ST BIKE LANE CURBSIDE WITH BUFFER, DELINEATORS	E.ROBINSON	M.SALLABERRY

TABLE OF REVISIONS
CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION



SUPERCEDED STR-2760, REV20		APPROVED	
DATE:	1/2012	DATE:	2/7/12
DRAWN:	M.LUC	DATE:	1/2012
CHECKED:	C.C.OLEA	DATE:	2/22/12
		DATE:	

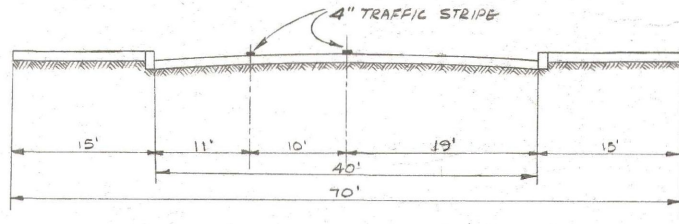
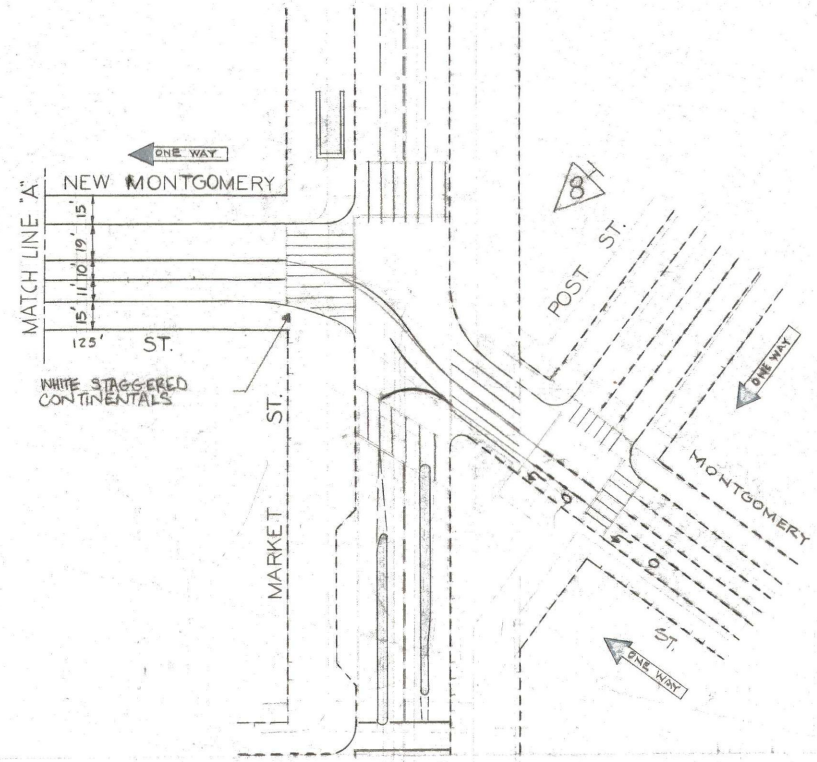
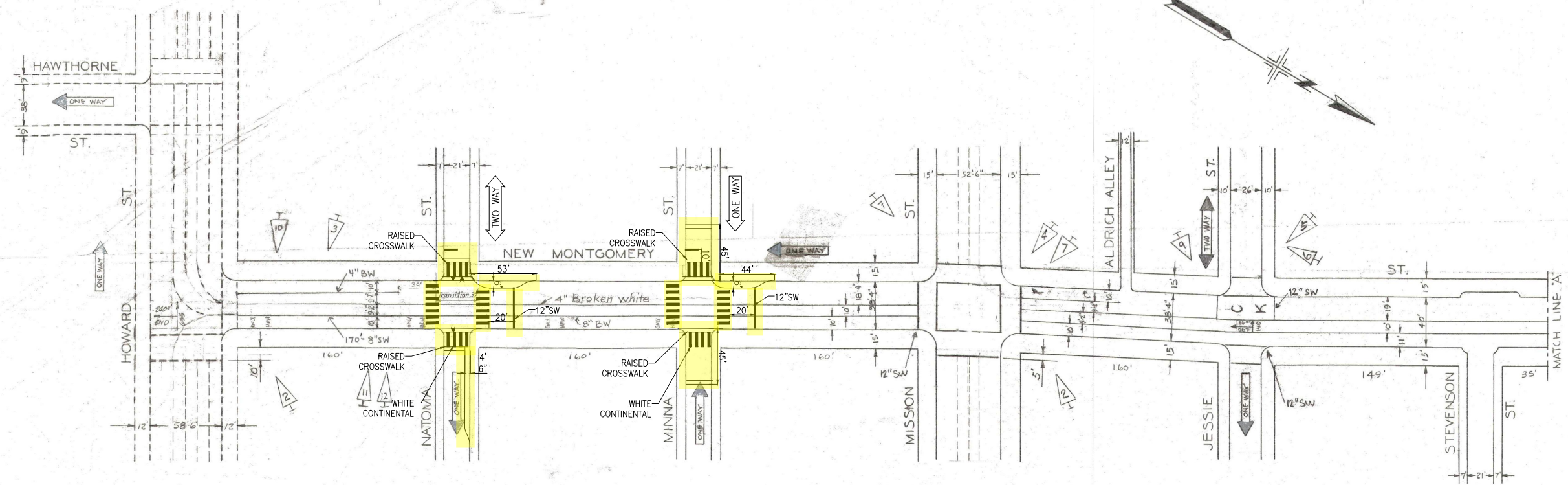
SCALE:	1"=50'
SHEET/SHEETS:	

TRAFFIC STRIPING	
2ND STREET	
MARKET STREET TO HARRISON STREET	

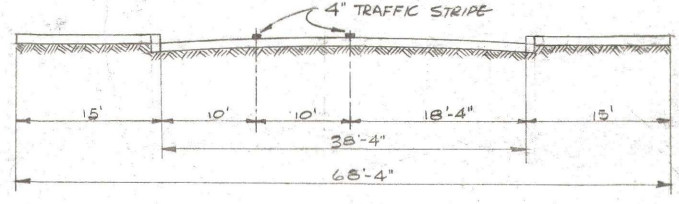
CONTRACT NO.	
DRAWING NO.	STR-7604
FILE NO.	
REV. NO.	10

EXTERNAL REFERENCES: XREFS
 FONTS USED: FONTS
 SCALE FACTOR: XX
 PLOT SCALE: XX
 ORIGIN: SECTION
 FILE NAME: --/--/--
 DATE: --/--/--

MINNA-NATOMA ART CORRIDOR PROJECT - PROPOSED TRAFFIC STRIPING



TYPICAL X-SECTION NEW MONTGOMERY ST.
MARKET ST. TO JESSIE ST.
SCALE 1" = 10'



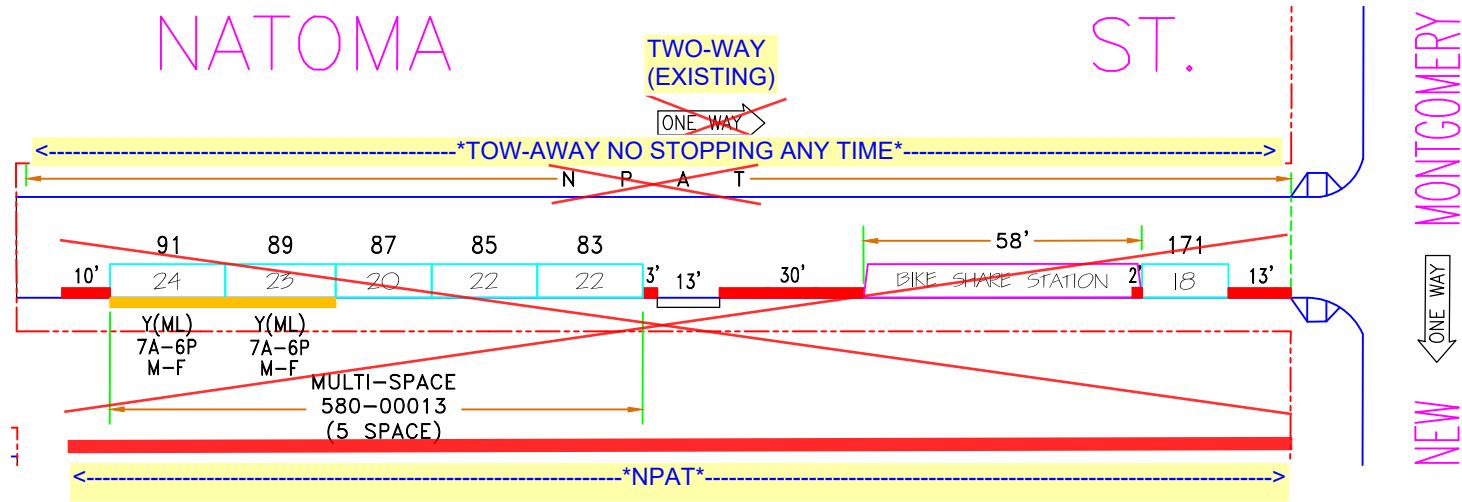
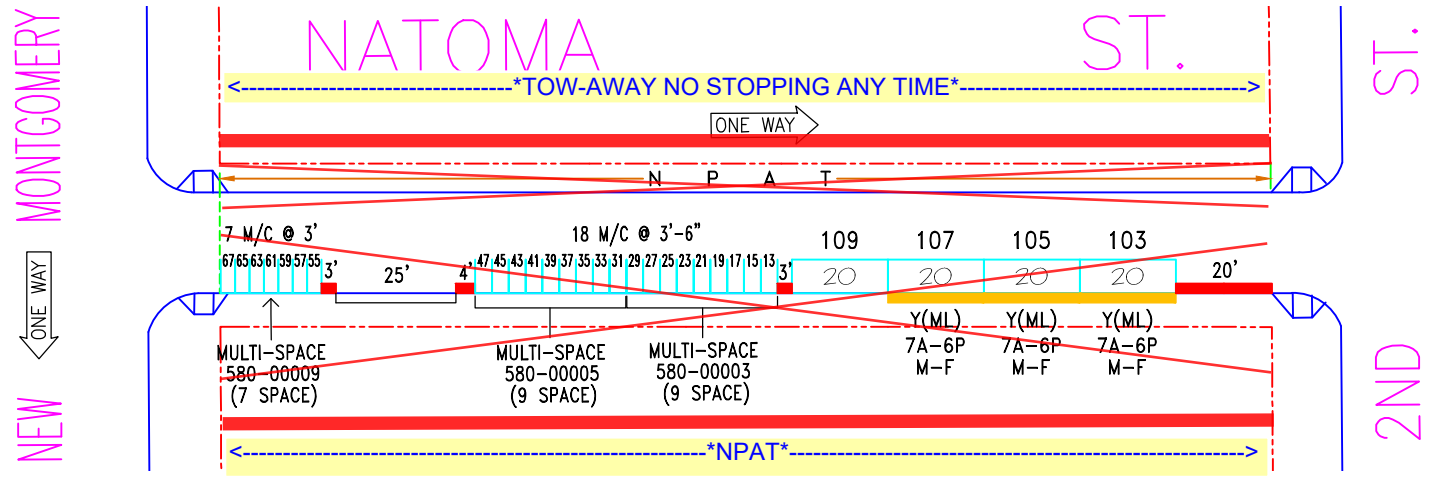
TYPICAL X-SECTION NEW MONTGOMERY ST.
MISSION ST. TO HOWARD ST.
SCALE 1" = 10'

NO.	DATE	DESCRIPTION	APPROVED BY
11	4-29-19	Added pavement markings and 4" BW for crossing Hawk	BBD
10		Revised guide lines & striping (CS&S) @ Howard	BW (CS&S)
9	6-25-18	ADDED KR @ JESSIE	BW (K&M)
8	11-4-15	ADD WHIT. STRIPES CONTIG. @ MARKET	GD
7	11-1-07	REMOVED WHITE LINE WITH RAIL @ MISSION	TF
6	7-16-91	RESTORED 2-WAY ON JESSIE @ NEW MONTGOMERY	HQ
5	1-8-89	ADDED 1-WAY FOR CONSTR. @ JESSIE	HQ
4	6-19-78	ADDED 9" WHITE STRIPES @ MISSION	DSE
3	7-30-58	ADDED WESTERLY 4" STRIPE SO. OF NATOMA	STR-200
2	11-14-57	SET BACK EAST KLW @ MISSION & HOWARD	SPK
1	7-15-56	ADDED "RIGHT TURN LANE" NEAR MISSION ST.	2, S.C.

CAUTION: CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION

REFERENCES INSERT FILE NO'S OF SURVEYS, PLANS, ETC., USED STR-1533		CITY AND COUNTY OF SAN FRANCISCO DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING	
DESIGNED BY... DRAWN BY... W.S.N. TRACED BY... W.S.N. CHECKED BY...		NEW MONTGOMERY ST. MARKET TO HOWARD TRAFFIC STRIPING	
DATE... 6-2-58 DATE... 6-2-58		SCALE 1" = 50' @ AS SHOWN SHEET OF SHEETS FILE STR-2104 CHANGE 12	
APPROVED... SECTION ENG... DIVISION ENG...		APPROVED... DATE... CITY ENGINEER	

Proposed Parking & Loading Changes Natoma Street, from 2nd Street to west of New Montgomery Street

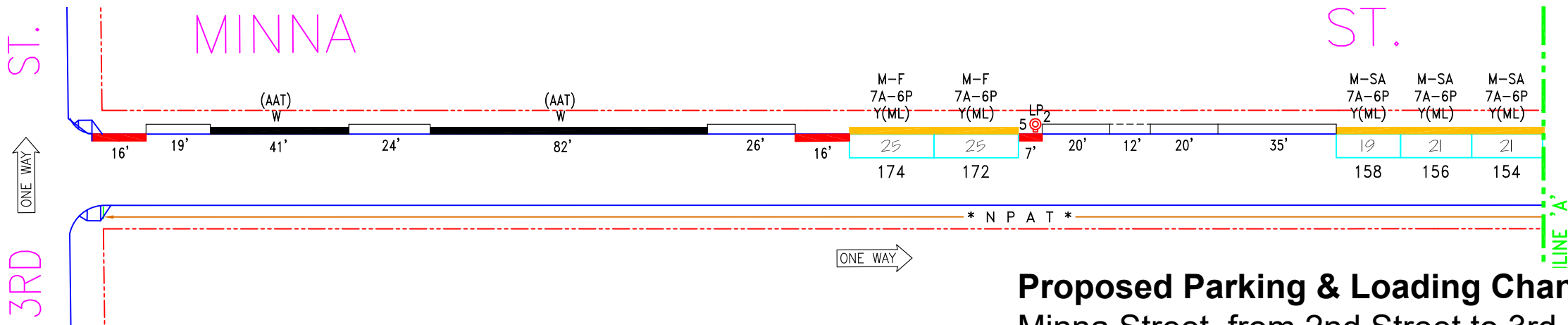
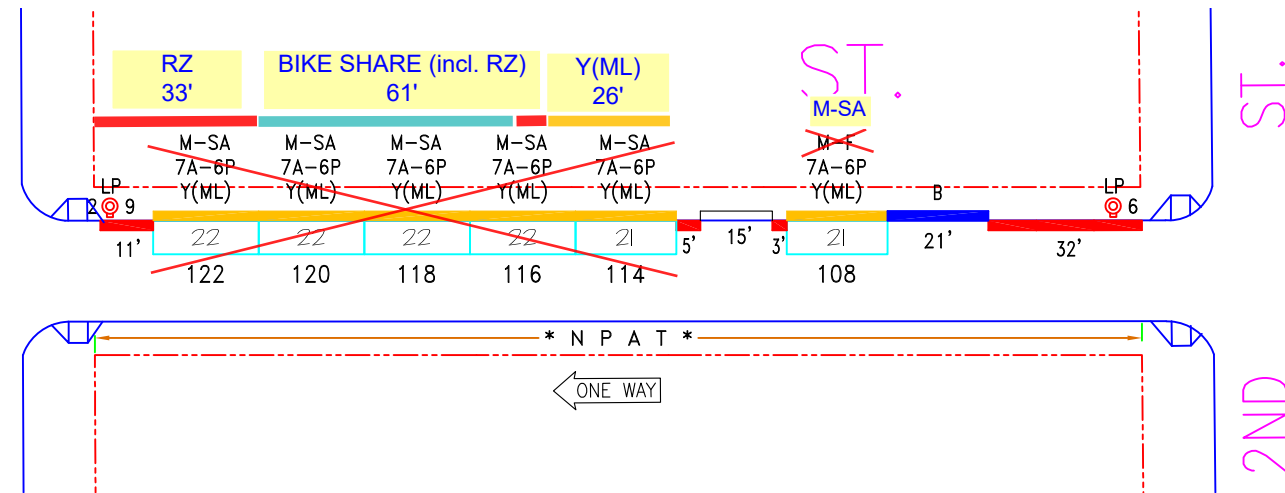
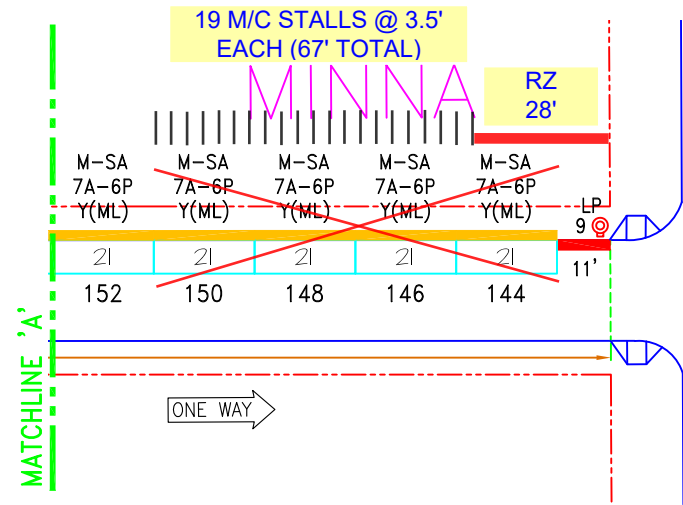


NO.	REVISION DESCRIPTION	BY	DATE	DIR/RES	3	Est. BikeStation, MOS#145,47,49-S/S	JB	7/30/19	6107
1	Updated per field	JB	5/7/08		4	Re-number MS#00003,5,9&13-B/S	JB	9/14/19	
2	Est.M/C#113,117(MOS#111,13,15)S/S	JB	6/3/19	6075	5	Est.RedZ, MOS#101/Est.ML#103-S/S	JB	12/19/19	6116


SAN FRANCISCO MUNICIPAL TRANSPORTATION AGENCY
CITY AND COUNTY OF SAN FRANCISCO
 PARKING METER SPACES


SIDE	TOW-AWAY		METER CT.		GENERAL				LOADING		METERED SPACES							TOTAL
	AM	PM	SS	MS	GMP	MC	TIMES	DAYS	ML	MTL	6-W	15 MIN	30 MIN	1 HR	2 HR	10 HR		
ODD			5	4	5	25	7A-6P	M-SA	5					5	5	25	35	
EVEN	*	*																

NATOMA ST. (NAT, 580)
(100) BLOCK
 Meters # 580-01XXy
2ND ST. TO NEW MONTGOMERY ST.
 SCALE: **1" = 40'** DATE: **6/3/19** BY: **JB**
AREA 1



Proposed Parking & Loading Changes Minna Street, from 2nd Street to 3rd Street

NO.	REVISION DESCRIPTION	BY	DATE	DIR/RES	3	4	5
					Paint 32' RZ, N/S @ 2nd St.	JB	3/23/12
1	1 HR TIME LIMIT		6/21/07		Per field: Replace GMP#114 to Y(ML)	JB	4/4/13
2	MOS #104, establish Tansat	JB	6/22/11	11-071	Establish Blue zone, MOS#106-N/S	JB	3/20/19 15-115


SAN FRANCISCO MUNICIPAL TRANSPORTATION AGENCY
CITY AND COUNTY OF SAN FRANCISCO
 PARKING METER SPACES

SIDE	TOW-AWAY		METER CT.		GENERAL				LOADING		METERED SPACES						TOTAL
	AM	PM	SS	MS	GMP	MC	TIMES	DAYS	ML	MTL	6-W	15 MIN	30 MIN	1 HR	2 HR	10 HR	
ODD	*	*															
EVEN			16		1		7A-6P	M-SA	16						16		16

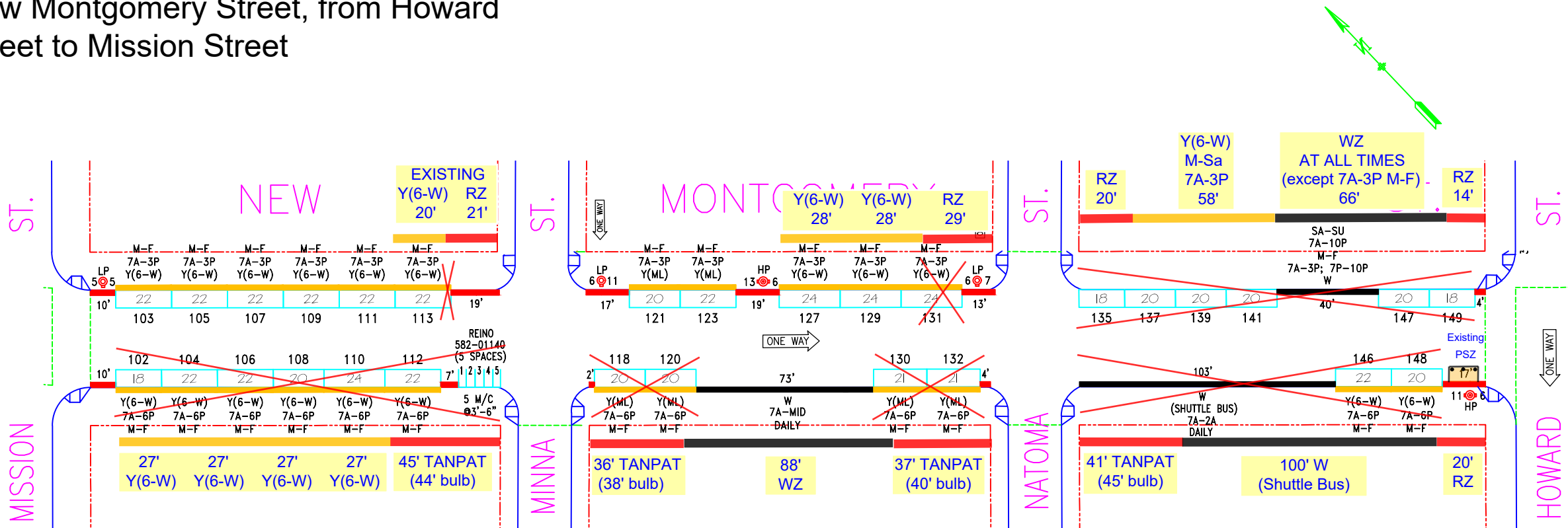
MINNA ST. (MNA, 570)
(100) BLOCK
 Meters # 570-01XXY
2ND ST. TO 3RD ST.


SCALE: **1" = 40'** DATE: **11/24/10** BY: **JB**

AREA
1

Proposed Parking & Loading Changes

New Montgomery Street, from Howard Street to Mission Street




SAN FRANCISCO MUNICIPAL TRANSPORTATION AGENCY
CITY AND COUNTY OF SAN FRANCISCO
 PARKING METER SPACES

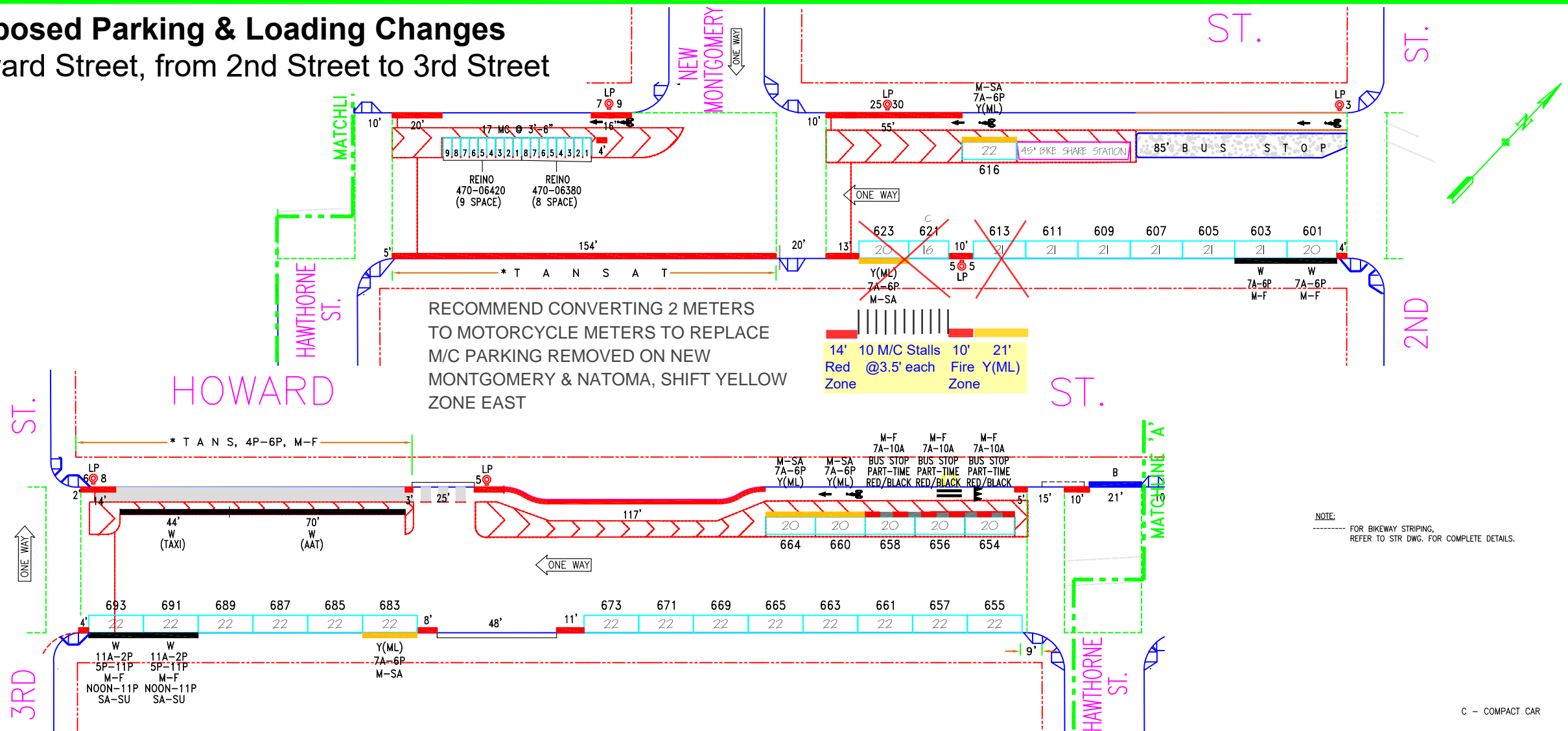
SIDE	TOW-AWAY		METER CT.		GENERAL				LOADING		METERED SPACES							TOTAL
	AM	PM	SS	MS	GMP	MC	TIMES	DAYS	ML	MTL	6-W	15 MIN	30 MIN	1 HR	2 HR	10 HR		
ODD		3P-7P	17		6		7A-3P 7A-6P	M-F SA	2		9			11	6		17	
EVEN			12	1		5	7A-6P	M-SA	4		8					5	20	

NEW MONTGOMERY ST.(NMN,582)
(100) BLOCK
 Meters #582-01XXY
MISSION ST. TO HOWARD ST.
AREA 1

SCALE: **1"=50'** DATE: **3/10/11** BY: **JB**

Proposed Parking & Loading Changes

Howard Street, from 2nd Street to 3rd Street



NO.	REVISION DESCRIPTION	BY	DATE	DIR/RES	18.b	Est. ML#616,623,660,664,683-B/S	JB	7/23/20	6189
17	Est.RedZ,MOS#625(S/S)MOS#644(N/S)	JB	11/7/17	5847					
18.a	Est.Bikeway/MC#638,42,Est.BS#654-58	JB	7/23/20	6189					


SAN FRANCISCO MUNICIPAL TRANSPORTATION AGENCY
 CITY AND COUNTY OF SAN FRANCISCO
 PARKING METER SPACES

SIDE	TOW-AWAY		METER CT.		GENERAL				LOADING		METERED SPACES							
	AM	PM	SS	MS	GMP	MC	TIMES	DAYS	ML	MTL	6-W	15 MIN	30 MIN	1 HR	2 HR	10 HR	4 HR	TOTAL
ODD			30		29		7A-6P	M-SA	2					2			21	30
EVEN	*		6	2	3	17	7A-6P	M-SA	3					3		17	3	23

HOWARD ST. (HOW, 470)
(600) BLOCK
 Meters # 470-06XXY
2ND ST. TO 3RD ST.

SCALE: **1" = 50'** DATE: **9/13/11** BY: **JB**

AREA 1

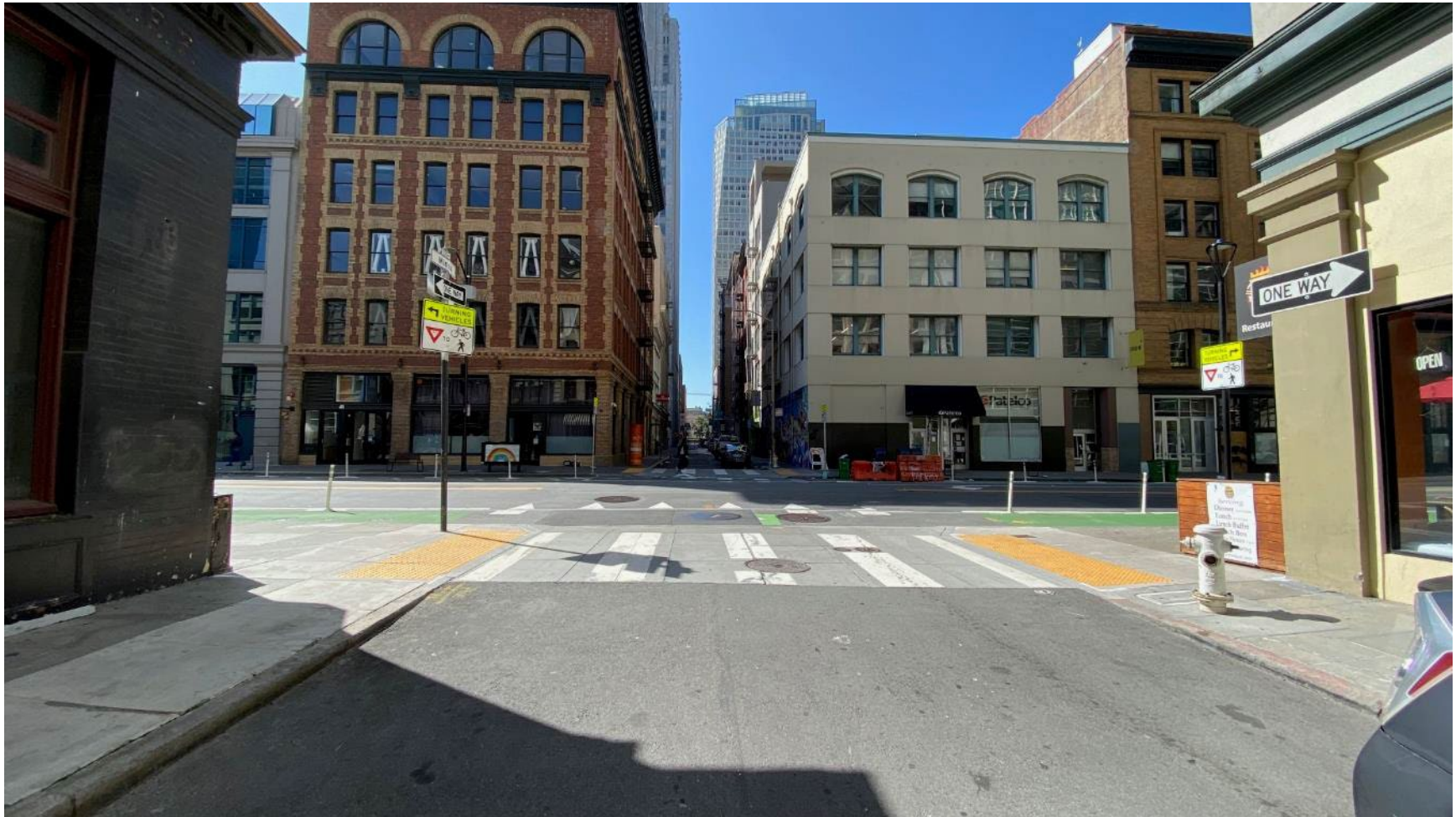
All photos taken February 2021



1 Minna St. looking west from New Montgomery St. - Raised Crosswalk proposed



2 Minna St. looking west from 2nd St. - Extension of raised crosswalk proposed



3 Minna St. looking west toward 2nd St. - Extension of raised crosswalk proposed



4 Minna St. looking east at New Montgomery St. - Traffic Signal and raised crosswalks proposed



5 Natoma St. looking east toward New Montgomery St. - Traffic Signal and raised crosswalks proposed



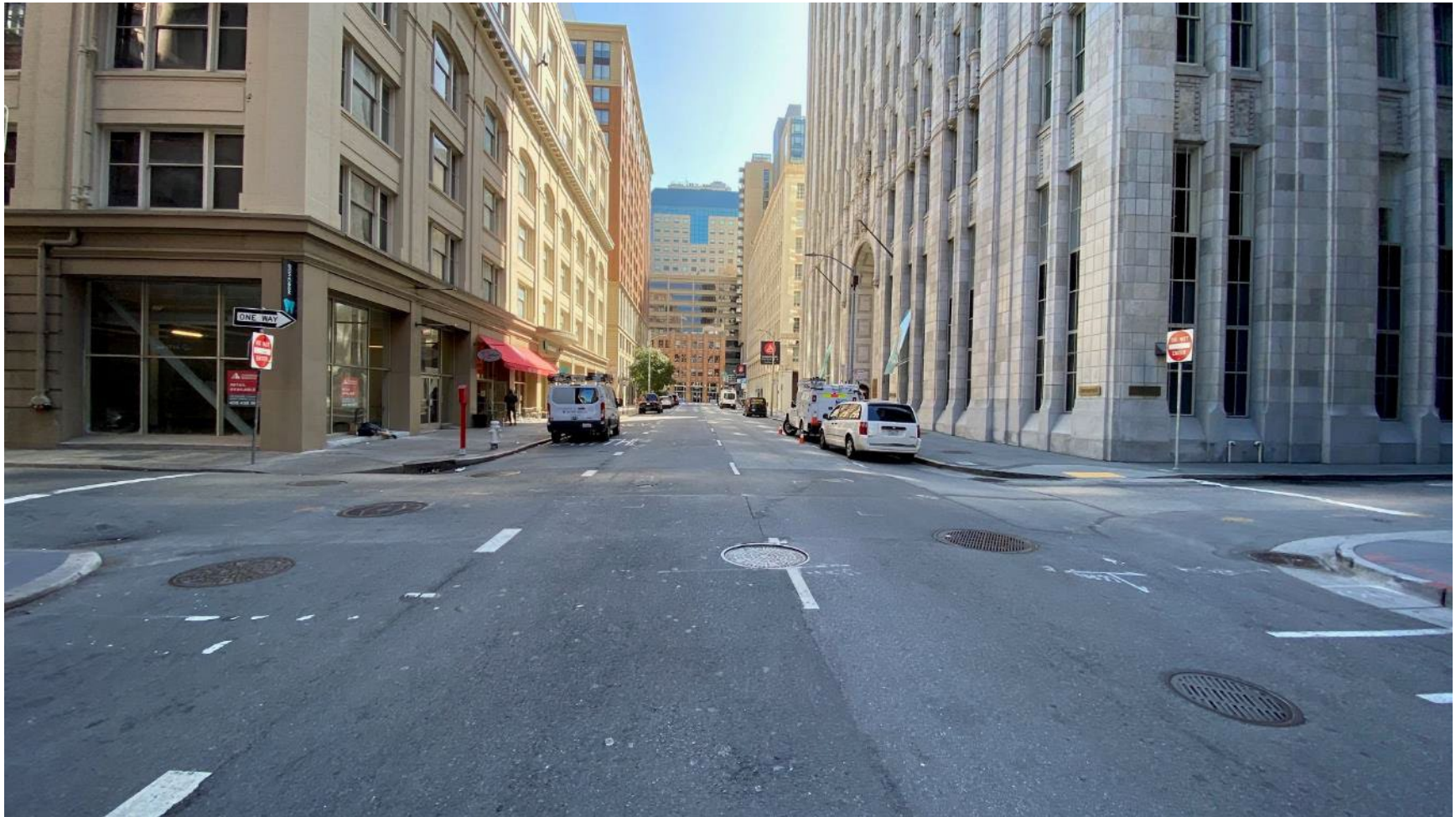
6 Natoma St. looking west from New Montgomery St. - Raised crosswalk, speed table, No Parking Any Time (south/left side) and Tow-Away No Stopping Any Time (east/right side) proposed



7 New Montgomery St. at Natoma St. looking northeast - Traffic Signal, raised crosswalks and bulbs (west/left side) proposed

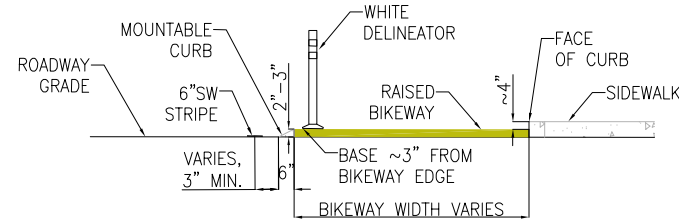


8 Natoma St. looking west from 2nd St. - No Parking Any Time (south/left side) and Tow-Away No Stopping Any Time for sidewalk widening (east/right side) proposed

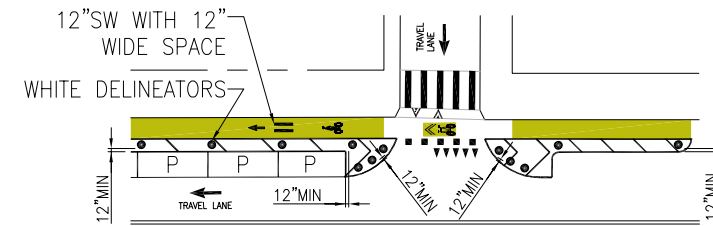


9 New Montgomery St. at Minna St. looking south - Traffic Signal, raised crosswalks and bulbs (west/right side) proposed

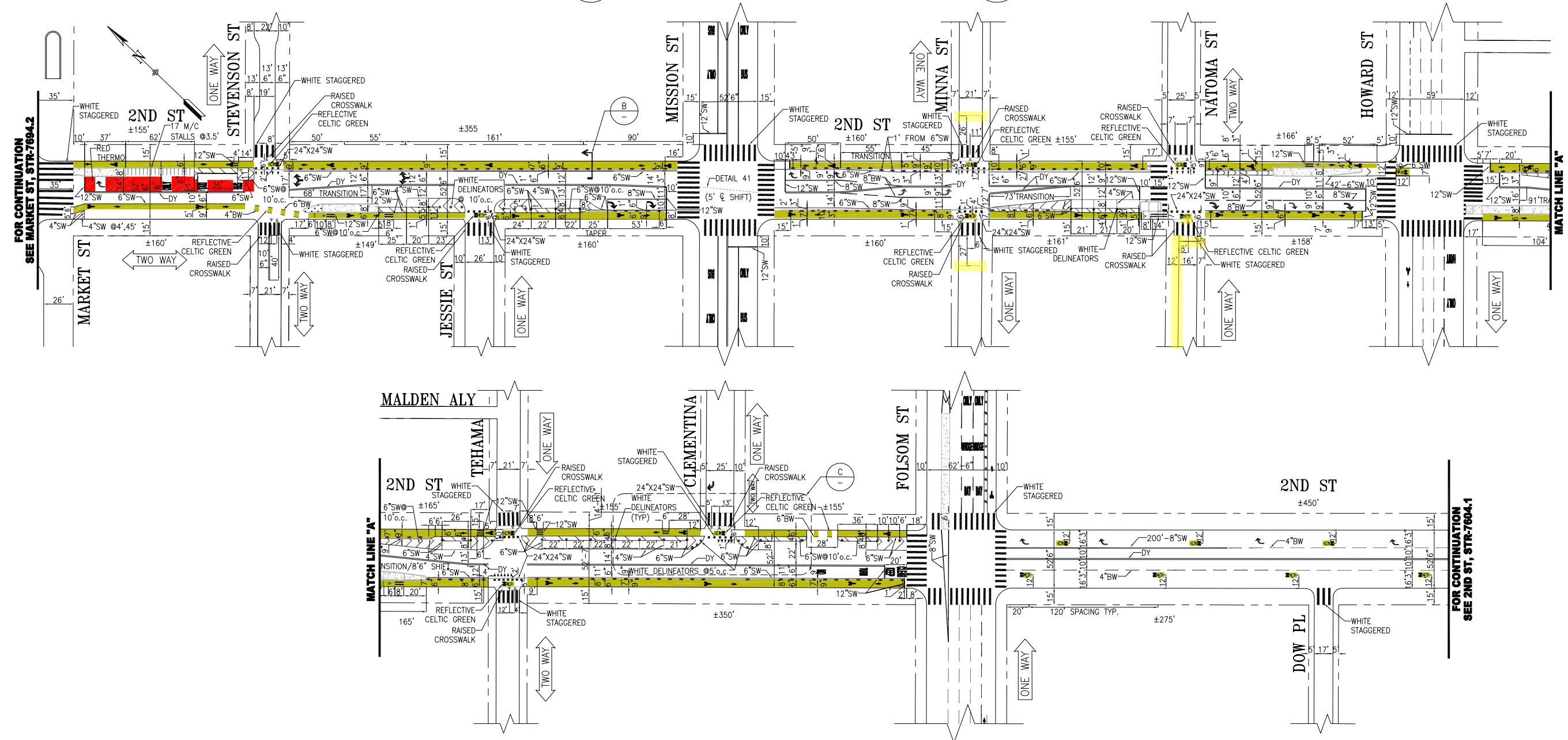
PROPOSED TRAFFIC STRIPING - 2nd STREET



B TYPICAL RAISED BIKEWAY SECTION
NTS



C DISTANCE BETWEEN EDGE OF DELINEATOR BASE AND CENTER OF STRIPING
1:30NTS



NO.	DATE	DESCRIPTION	BY	APP
1	01/23/20	ADD BUS/TAXI ONLY LANE AND LT/RT ARROWS BETWEEN MARKET & JESSIE	M.TAMIN	K.KWONG
2	01/18/19	ROAD DIET WITH BIKEWAYS, FLOATING PARKING, DELINEATORS FROM MARKET TO HOWARD; ADDED DELINEATORS FROM HOWARD TO FOLSOM	E.ROBINSON	M.SALLABERRY
3	12/17/18	ADD WHITE FLEXIBLE DELINEATORS IN FLOATING PARKING LANE	E.ROBINSON	M.SALLABERRY
4	12/17/18	ADD CURBSIDE BIKEMISSA/FLOATING PARKING, HOWARD TO FOLSOM; RT LANE RT ONLY NB SO. OF FOLSOM	E.ROBINSON	M.SALLABERRY
5	06/16/16	MOVED FOLSOM ST BIKE LANE CURBSIDE WITH BUFFER, DELINEATORS	E.ROBINSON	M.SALLABERRY



SUPERCEDED STR-2760, REV20		APPROVED	
DRAWN: M.LUC		MIKE SALLABERRY 2/7/12	
DATE: 1/2012		DATE: SENIOR ENGINEER	
CHECKED: C.C.OLEA		RICARDO OLEA 2/22/12	
DATE: 1/2012		DATE: CITY TRAFFIC ENGINEER	

SCALE: 1"=50'
SHEET/SHEETS:

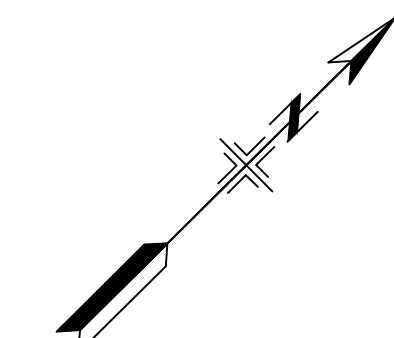
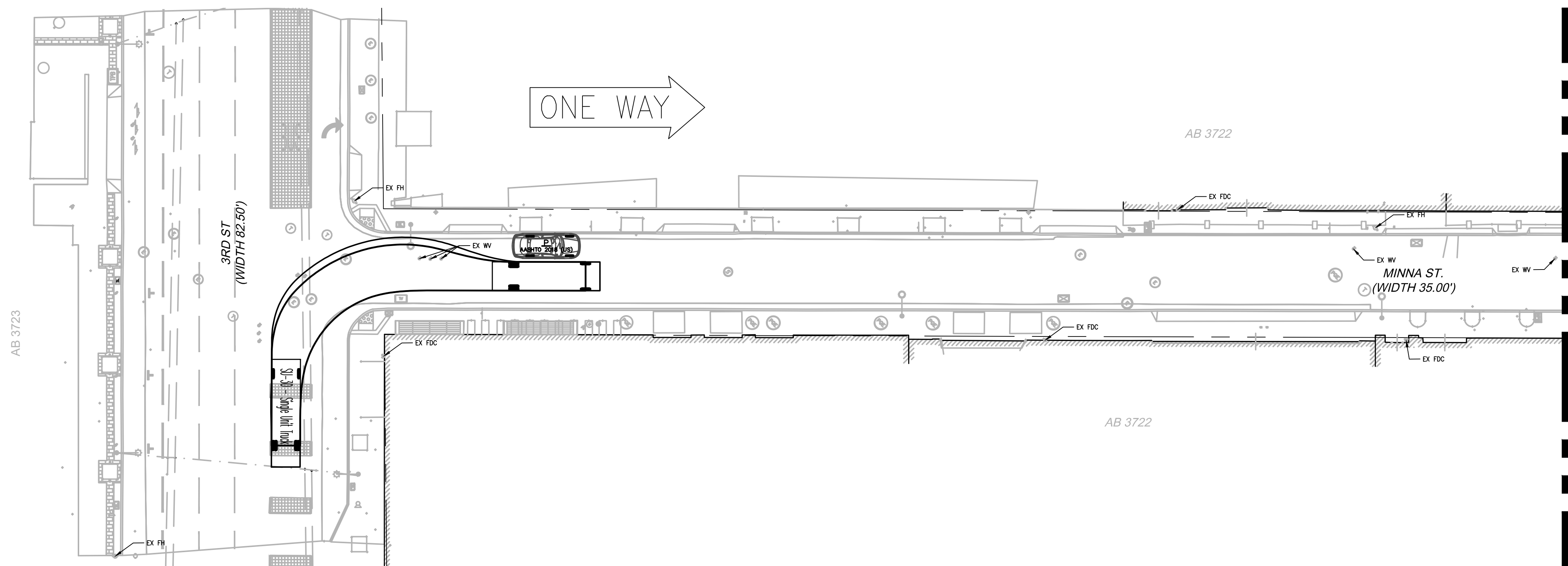
TRAFFIC STRIPING
2ND STREET
MARKET STREET TO HARRISON STREET

CONTRACT NO.	
DRAWING NO.	STR-7604
FILE NO.	
REV. NO.	10

EXTERNAL REFERENCES: XREFS
FONTS USED: FONTS
SCALE FACTOR: XX
PLOT SCALE: X.X
ORIGIN: SECTION
FILE NAME: --/--/--
DATE: --/--/--

DRAFT Existing Turn - SU30

2021-01-12



ARUP

Arup North America Ltd.
 560 Mission Street, Suite 700
 San Francisco, CA 94105 USA
 Tel (415) 957 9446 Fax (415) 957 9096
 www.arup.com

REFERENCE INFORMATION
& FILE NO. OF SURVEYS



BUREAU OF ENGINEERING
 CITY & COUNTY OF SAN FRANCISCO
 SAN FRANCISCO PUBLIC WORKS
 30 VAN NESS AVENUE, 5TH FLOOR
 SAN FRANCISCO, CA 94102 - 6028

Date:	DESIGNED: DATE:
Acting Section Mgr:	A.CANNON 1/2021
Deputy Bureau Mgr:	DRAWN: DATE:
Acting Bureau Mgr:	CHECKED: DATE:

SCALE:
1"=20'
SHEET OF SHEETS
OF

MINNA NATOMA
STREETSCAPE PROJECT

CONCEPT LAYOUT
MINNA ST, AT 3RD ST.

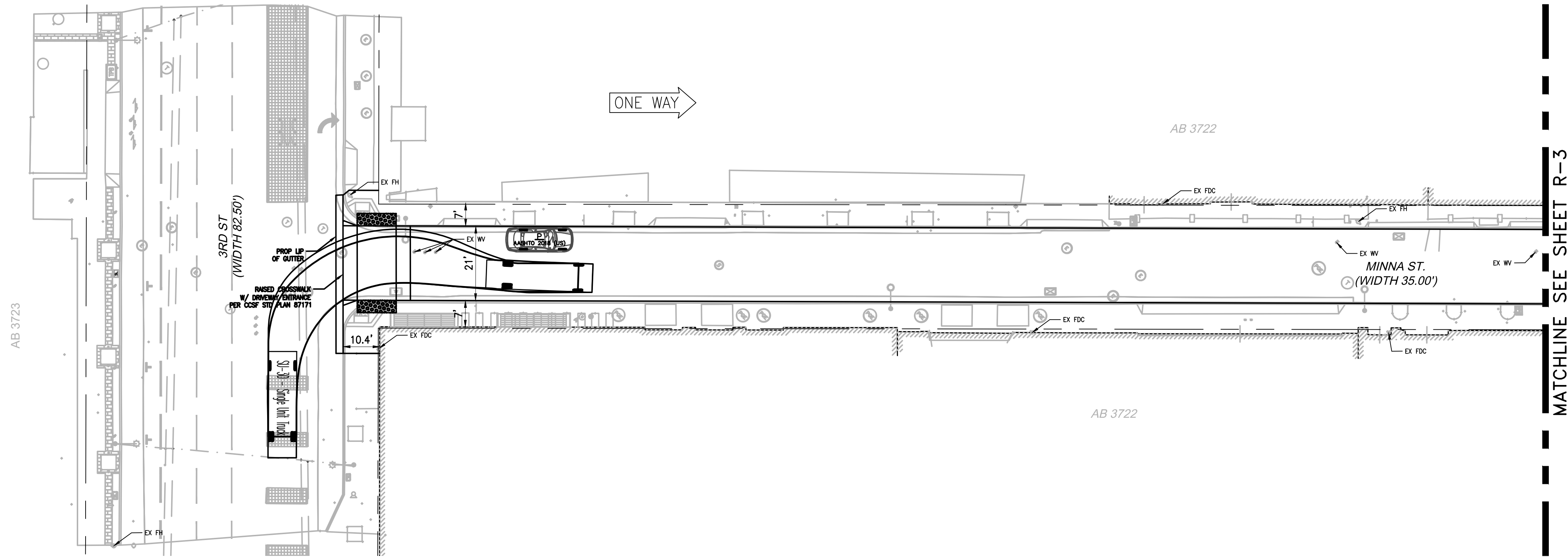
CONTRACT NO.	X
DRAWING NO.	R-2
FILE NO.	
REV. NO.	0

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
THIS DRAWING WAS LAST MODIFIED: 02/08/21 17:52, BY: alton.cannon				

Drawing Path: \\global.arup.com\americas\jobs\S-F\270000\278182-00\4 Internal Project Data\4-03 Drawings\2 - Bimark\02\BASE\MINNA-Natoma-EXTURN.dwg, Login: \\net\j...
 Plot Time: Tue, 09 Feb 2021 2:54pm
 Model Units: Feet
 \LBASE\w\p\10m Templates.dwg
 \SFPW_ARUP_TB_L22X34_MIN-NAT.dwg

DRAFT Proposed Turn - SU30

2021-03-10



ARUP

Arup North America Ltd.
560 Mission Street, Suite 700
San Francisco, CA 94105 USA
Tel (415) 957 9446 Fax (415) 957 9096
www.arup.com

REFERENCE INFORMATION
& FILE NO. OF SURVEYS



BUREAU OF ENGINEERING
CITY & COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
30 VAN NESS AVENUE, 5TH FLOOR
SAN FRANCISCO, CA 94102 - 6028

Acting Section Mgr:	Date:
Deputy Bureau Mgr:	
Acting Bureau Mgr:	

DESIGNED:	DATE:
A.CANNON	3/2021
DRAWN:	DATE:
CHECKED:	DATE:

SCALE:
1"=20'
SHEET OF SHEETS
OF

MINNA NATOMA
STREETSCAPE PROJECT

CONCEPT LAYOUT
MINNA ST, AT 3RD ST.

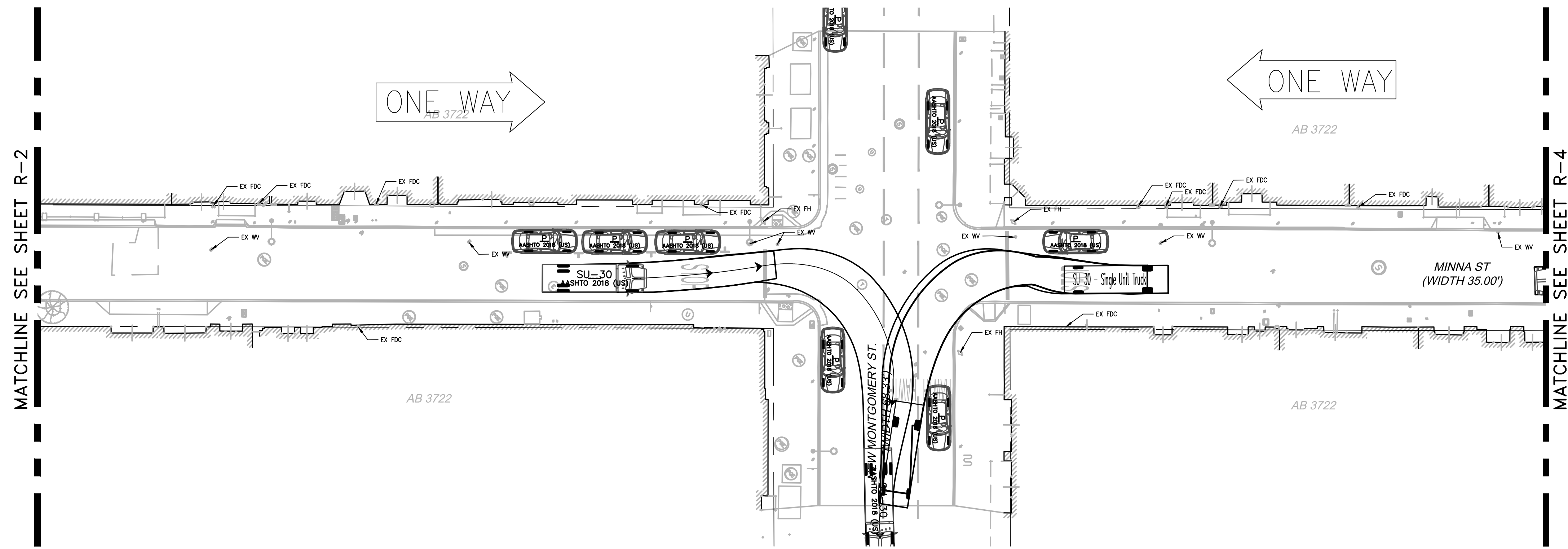
CONTRACT NO.	X
DRAWING NO.	R-2
FILE NO.	
REV. NO.	0

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
THIS DRAWING WAS LAST MODIFIED: 03/08/21 17:59, BY: alton.cannon				

Drawing Path: \\global.arup.com\americas\jobs\S-F\270000\278192-00\4 Internal Project Data\4-03 Drawings\2 Minna Natoma\BASE_Minna-Natoma_V3.dwg, Login: alton.cannon, File: MINNA_NATOMA.dwg
 Plot Time: Tue, 09 Mar 2021 16:16pm
 Model Units: Feet

DRAFT Existing Turn - SU30

2021-01-12



ARUP
 Arup North America Ltd.
 560 Mission Street, Suite 700
 San Francisco, CA 94105 USA
 Tel (415) 957 9446 Fax (415) 957 9096
 www.arup.com

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
THIS DRAWING WAS LAST MODIFIED: 02/08/21 17:52, BY: olton.cannon				



BUREAU OF ENGINEERING
 CITY & COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
 30 VAN NESS AVENUE, 5TH FLOOR
 SAN FRANCISCO, CA 94102 - 6028

Acting Section Mgr:	Date:	DESIGNED: DATE:
Deputy Bureau Mgr:		A.CANNON 1/2021
Acting Bureau Mgr:		DRAWN: DATE:
		CHECKED: DATE:

SCALE:
1"=20'
SHEET OF SHEETS
OF

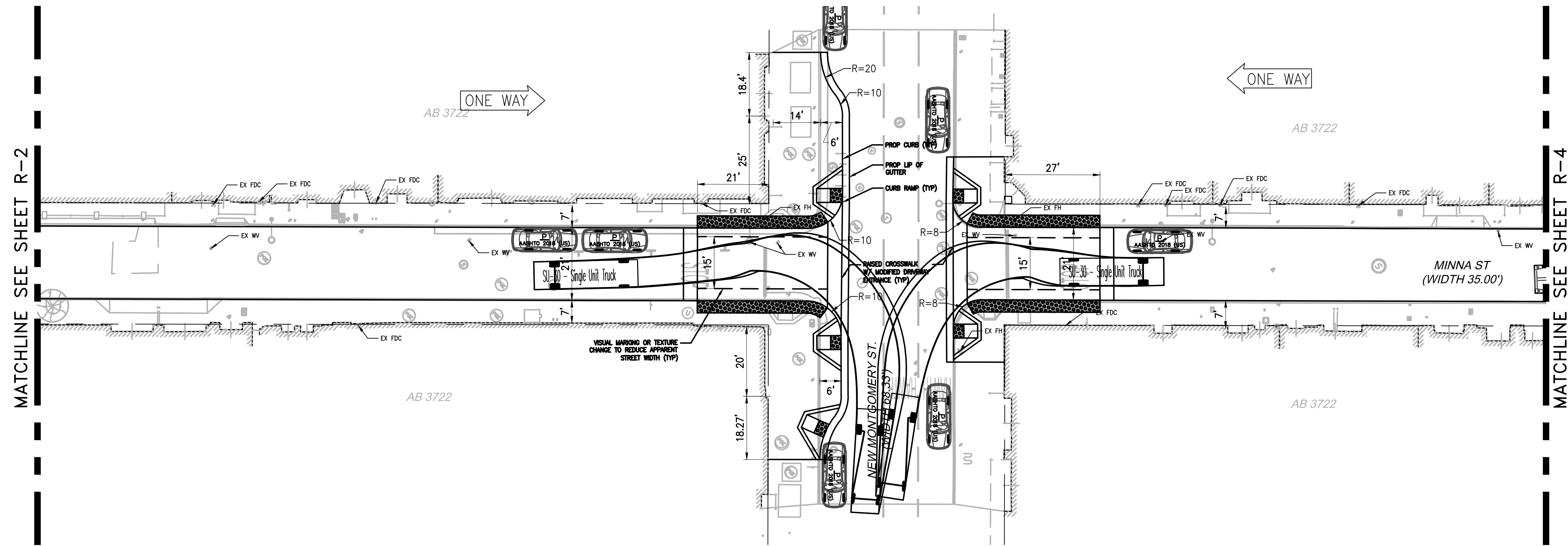
MINNA NATOMA
 STREETScape PROJECT
 CONCEPT LAYOUT
 MINNA ST AT NEW MONTGOMERY

CONTRACT NO.	X
DRAWING NO.	R-3
FILE NO.	
REV. NO.	0

Drawing Path: \\global.arup.com\americas\jobs\S-F\270000\278192-00\4 Internal Project Data\4-03 Drawings\2_Bimark\Bimark\BASE_Minna-Natoma-EXTURN.dwg, Login: \\global.arup.com\americas\jobs\S-F\270000\278192-00\4 Internal Project Data\4-03 Drawings\2_Bimark\Bimark\BASE_Minna-Natoma-EXTURN.dwg, Model Units: Feet
 Plot Time: Tue, 09 Feb 2021 2:58pm

DRAFT Proposed Turn - SU30

2021-03-10



ARUP
 Arup North America Ltd.
 560 Mission Street, Suite 700
 San Francisco, CA 94105 USA
 Tel (415) 957 9446 Fax (415) 957 9096
 www.arup.com

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
THIS DRAWING WAS LAST MODIFIED: 03/08/21 17:59, BY: alton.cannon				



BUREAU OF ENGINEERING
 CITY & COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
 30 VAN NESS AVENUE, 5TH FLOOR
 SAN FRANCISCO, CA 94102 - 6028

Acting Section Mgr:	Date:	DESIGNED: DATE:
Deputy Bureau Mgr:		A.CANNON 3/2021
Acting Bureau Mgr:		DRAWN: DATE:
		CHECKED: DATE:

SCALE:	1"=20'
SHEET OF SHEETS	OF

**MINNA NATOMA
 STREETScape PROJECT**

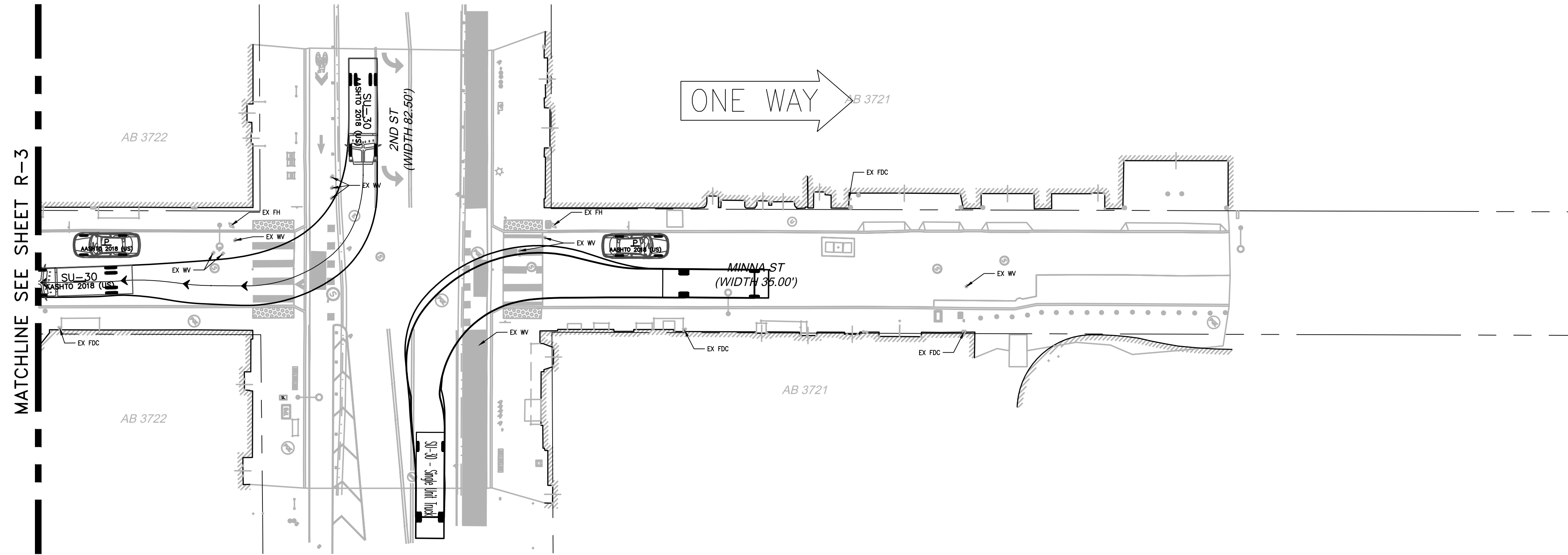
**CONCEPT LAYOUT
 MINNA ST AT NEW MONTGOMERY**

CONTRACT NO.	X
DRAWING NO.	R-3
FILE NO.	
REV. NO.	0

Drawing Path: \\global.arup.com\americas\jobs\S-F\270000\278192-00\4 Internal Project Data\4-03 Drawings\2 Bimark\Bimark\BASE_Minna-Natoma_V3.dwg, Login: alton.cannon, Date: 03/08/21 17:59, Plot Time: Tue, 09 Mar 2021 6:17pm
 Model Units: Feet

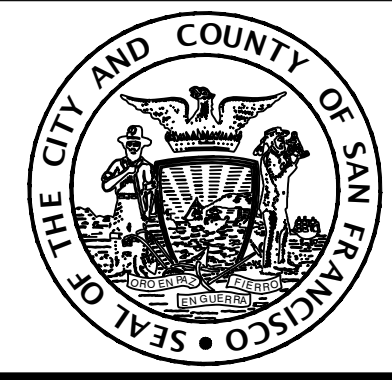
DRAFT Existing Turn - SU30

2021-01-12



ARUP
 Arup North America Ltd.
 560 Mission Street, Suite 700
 San Francisco, CA 94105 USA
 Tel (415) 957 9446 Fax (415) 957 9096
 www.arup.com

REFERENCE INFORMATION
& FILE NO. OF SURVEYS



BUREAU OF ENGINEERING
 CITY & COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
 30 VAN NESS AVENUE, 5TH FLOOR
 SAN FRANCISCO, CA 94102 - 6028

Date:	DESIGNED: DATE:
Acting Section Mgr:	A. CANNON 1/2021
Deputy Bureau Mgr:	DRAWN: DATE:
Acting Bureau Mgr:	CHECKED: DATE:

SCALE:
 1"=20'
 SHEET OF SHEETS
 OF

MINNA NATOMA
 STREETScape PROJECT
 CONCEPT LAYOUT
 MINNA ST AT 2ND ST

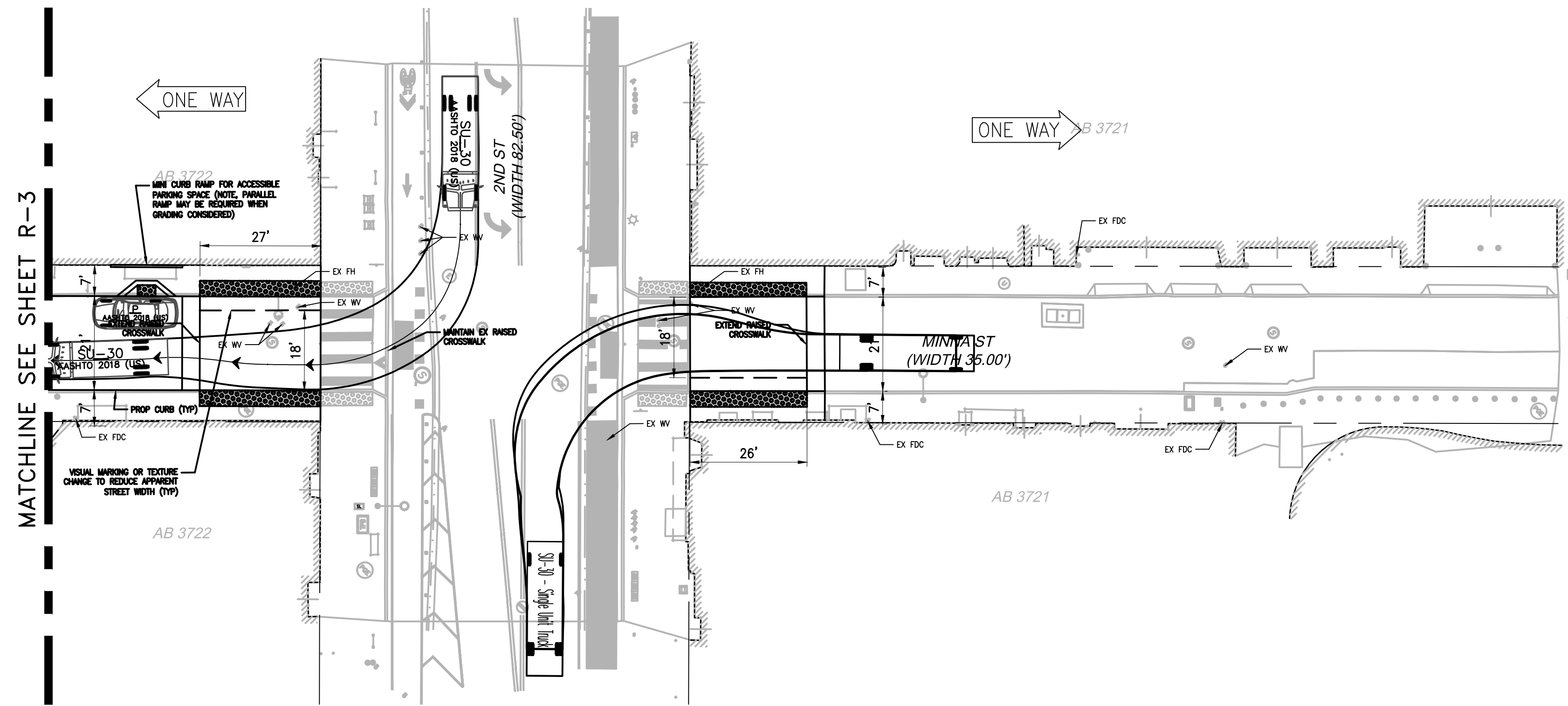
CONTRACT NO.
X
 DRAWING NO.
R-3
 FILE NO.
 REV. NO.
0

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
THIS DRAWING WAS LAST MODIFIED: 02/08/21 17:52, BY: alton.cannon				

Drawing Path: \\global.arup.com\americas\jobs\S-F\270000\278192-00\4 Internal Project Data\4-03 Drawings\2 Minna Natoma Streetscape\BASE_Minna-Natoma-EXTURN.dwg, Login: wlfen-ct@arup.com
 Plot Time: Tue, 09 Feb 2021 - 3:04pm
 Model Units: Feet
 \\\LBASE-wlfta-1\turn Templates.dwg
 \\SFPW_ARUP_TB_L22X34_MIN-NAT.dwg

DRAFT Proposed Turn - SU30

2021-03-10



ARUP

Arup North America Ltd.
 560 Mission Street, Suite 700
 San Francisco, CA 94105 USA
 Tel (415) 957 9446 Fax (415) 957 9096
 www.arup.com

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
THIS DRAWING WAS LAST MODIFIED: 03/08/21 17:59, BY: alton.cannon				

REFERENCE INFORMATION
& FILE NO. OF SURVEYS



BUREAU OF ENGINEERING
 CITY & COUNTY OF SAN FRANCISCO
 SAN FRANCISCO PUBLIC WORKS
 30 VAN NESS AVENUE, 5TH FLOOR
 SAN FRANCISCO, CA 94102 - 6028

Acting Section Mgr:	Date:	DESIGNED: DATE:
Deputy Bureau Mgr:		A.CANNON 1/2021
Acting Bureau Mgr:		DRAWN: DATE:
		CHECKED: DATE:

SCALE:
1"=20'
SHEET OF SHEETS
OF

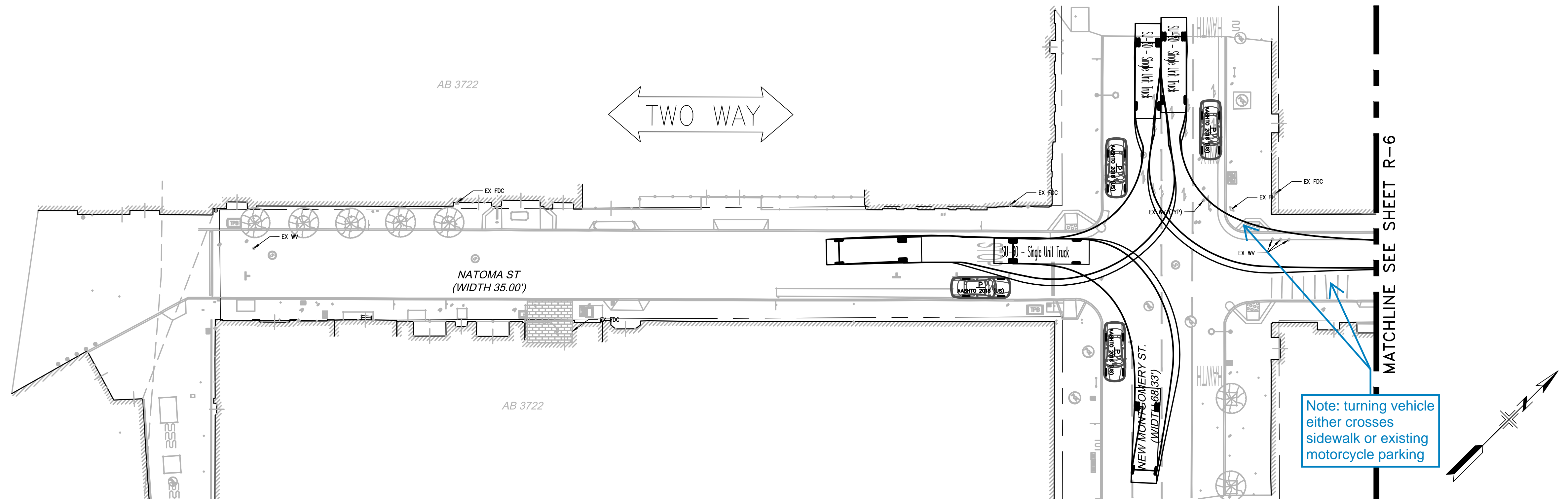
CONTRACT NO. X
DRAWING NO. R-4
FILE NO.
REV. NO. 0

MINNA NATOMA
 STREETScape PROJECT
 CONCEPT LAYOUT
 MINNA ST AT 2ND ST

Drawing Path: \\global-arup.com\americas\jobs\S-F\270000\278192-00\4 Internal Project Data\4-03 Drawings\2 Minna\sketch\BASE_Minna-Natoma_V3.dwg, Login: alton.cannon_20-02 MINNATOMA.dwg
 Plot Time: Tue, 09 Mar 2021 16:16pm
 Model Units: Feet

DRAFT Existing Turn - SU30

2021-01-12



ARUP

Arup North America Ltd.
 560 Mission Street, Suite 700
 San Francisco, CA 94105 USA
 Tel (415) 957 9446 Fax (415) 957 9096
 www.arup.com

REFERENCE INFORMATION
& FILE NO. OF SURVEYS



BUREAU OF ENGINEERING
 CITY & COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
 30 VAN NESS AVENUE, 5TH FLOOR
 SAN FRANCISCO, CA 94102 - 6028

Acting Section Mgr:	Date:
Deputy Bureau Mgr:	
Acting Bureau Mgr:	

DESIGNED:	DATE:
A.CANNON	1/2021
DRAWN:	DATE:
CHECKED:	DATE:

SCALE:
1"=20'
SHEET OF SHEETS
OF

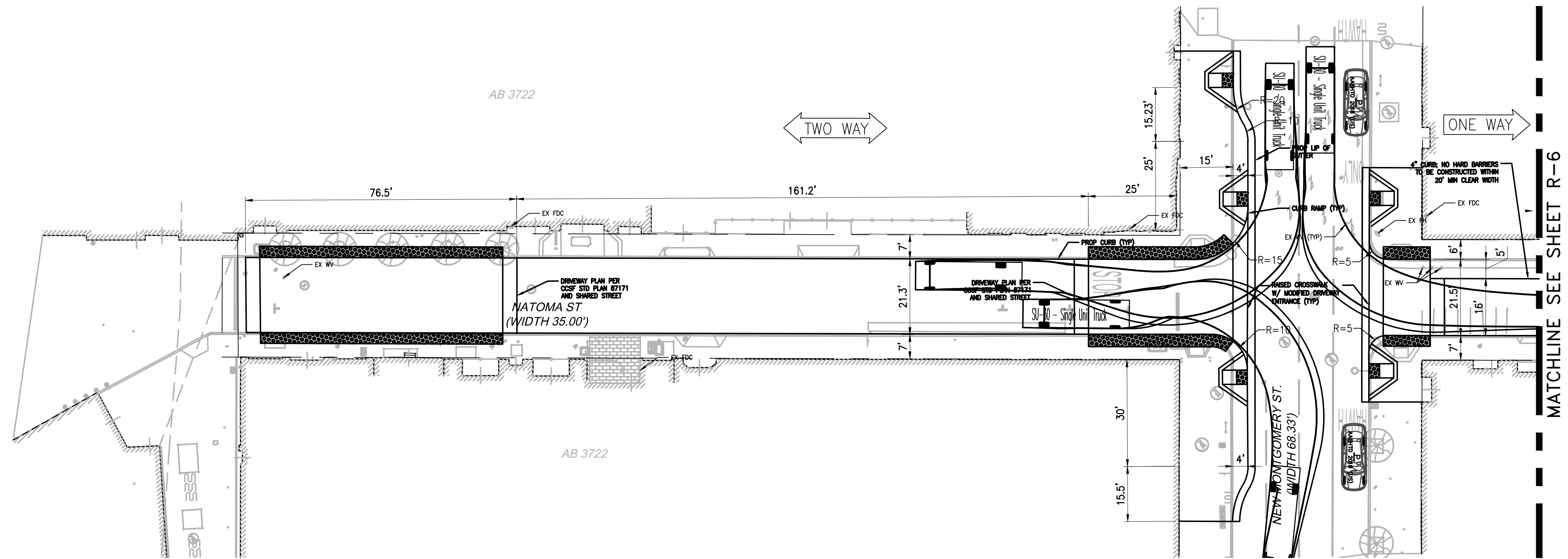
MINNA NATOMA
 STREETScape PROJECT
 CONCEPT LAYOUT
 NATOMA ST. AT NEW MONTGOMERY ST.

CONTRACT NO.	X
DRAWING NO.	R-5
FILE NO.	
REV. NO.	0

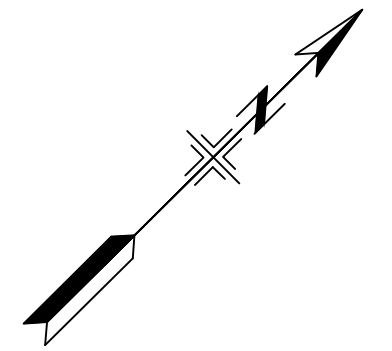
NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
THIS DRAWING WAS LAST MODIFIED: 02/08/21 17:52, BY: alton.cannon				

DRAFT Proposed Turn - SU30

2021-03-10



MATCHLINE SEE SHEET R-6



ARUP

Arup North America Ltd.
560 Mission Street, Suite 700
San Francisco, CA 94105 USA
Tel (415) 957 9446 Fax (415) 957 9096
www.arup.com

REFERENCE INFORMATION
& FILE NO. OF SURVEYS



BUREAU OF ENGINEERING
CITY & COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
30 VAN NESS AVENUE, 5TH FLOOR
SAN FRANCISCO, CA 94102 - 6028

Acting Section Mgr:	Date:	DESIGNED: DATE:
Deputy Bureau Mgr:		A.CANNON 3/2021
Acting Bureau Mgr:		DRAWN: DATE:
		CHECKED: DATE:

SCALE:
1"=20'
SHEET OF SHEETS
OF

MINNA NATOMA
STREETSCAPE PROJECT
CONCEPT LAYOUT
NATOMA ST. AT NEW MONTGOMERY ST.

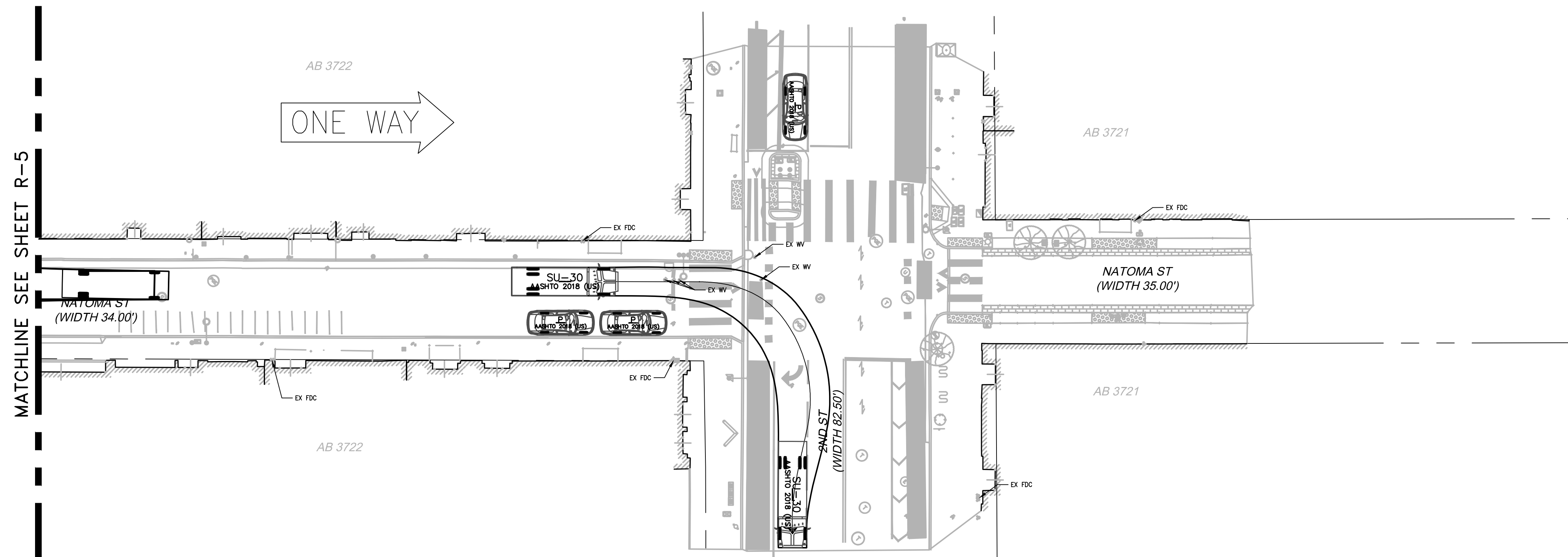
CONTRACT NO.	X
DRAWING NO.	R-5
FILE NO.	
REV. NO.	0

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
THIS DRAWING WAS LAST MODIFIED: 03/08/21 17:59, BY: alton.cannon				

Drawing Path: \\global.arup.com\americas\jobs\S-F\270000\278192-00\4 Internal Project Data\4-03 Drawings\2 Dimensions\BASE_Minna-Natoma_V3.dwg, Login: alton.cannon_20-02 MINNATOMA.dwg
 Plot Time: Tue, 09 Mar 2021 8:21 pm
 Model Units: Feet

DRAFT Existing Turn - SU30

2021-01-12



ARUP

Arup North America Ltd.
560 Mission Street, Suite 700
San Francisco, CA 94105 USA
Tel (415) 957 9446 Fax (415) 957 9096
www.arup.com

REFERENCE INFORMATION
& FILE NO. OF SURVEYS



BUREAU OF ENGINEERING
CITY & COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
30 VAN NESS AVENUE, 5TH FLOOR
SAN FRANCISCO, CA 94102 - 6028

Acting Section Mgr:	Date:
Deputy Bureau Mgr:	
Acting Bureau Mgr:	

DESIGNED:	DATE:
A.CANNON	1/2021
DRAWN:	DATE:
CHECKED:	DATE:

SCALE:
1"=20'
SHEET OF SHEETS
OF

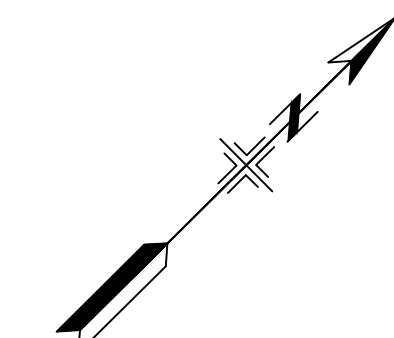
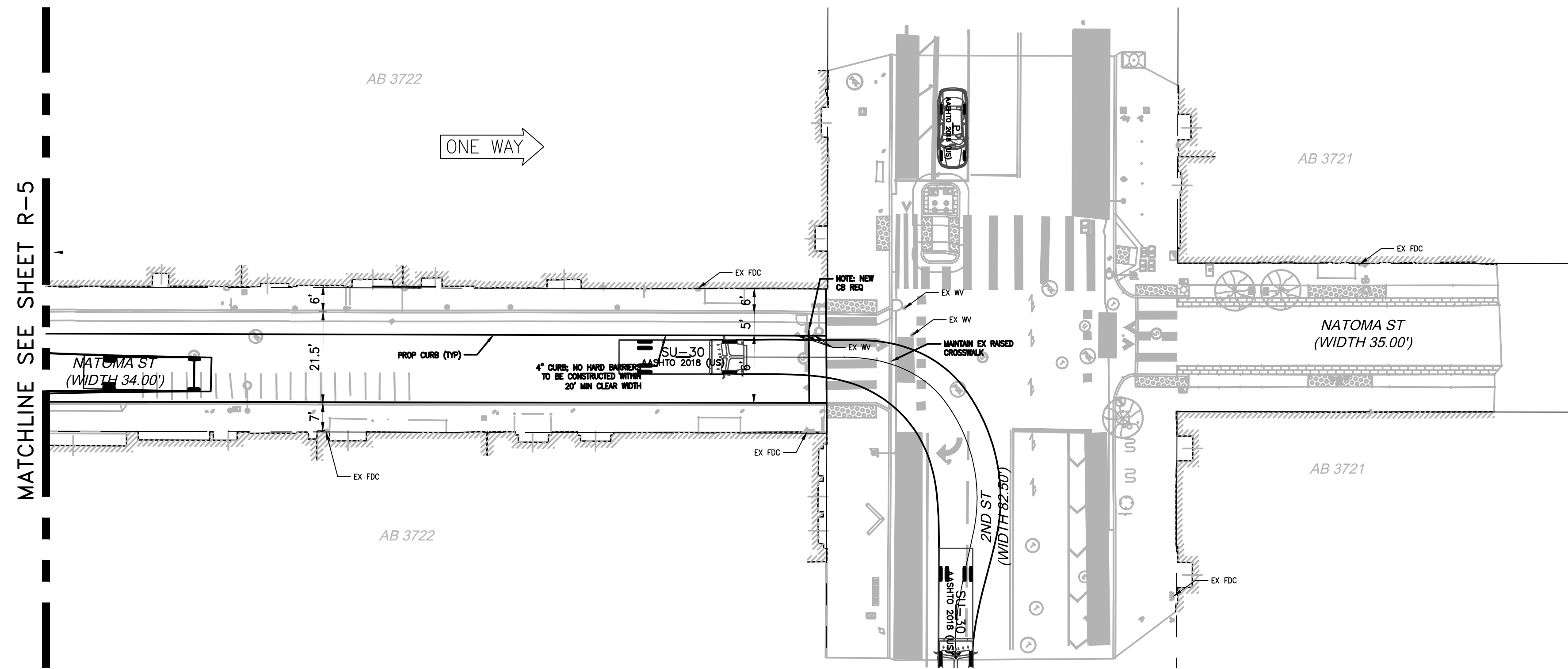
MINNA NATOMA
STREETSCAPE PROJECT
CONCEPT LAYOUT
NATOMA ST. AT NEW MONTGOMERY ST.

CONTRACT NO.	X
DRAWING NO.	R-6
FILE NO.	
REV. NO.	0

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
THIS DRAWING WAS LAST MODIFIED: 02/08/21 17:52, BY: alton.cannon				

DRAFT Proposed Turn - SU30

2021-03-10



ARUP
 Arup North America Ltd.
 560 Mission Street, Suite 700
 San Francisco, CA 94105 USA
 Tel (415) 957 9446 Fax (415) 957 9096
 www.arup.com

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
THIS DRAWING WAS LAST MODIFIED: 03/08/21 17:59, BY: alton.cannon				

REFERENCE INFORMATION
 & FILE NO. OF SURVEYS



BUREAU OF ENGINEERING
 CITY & COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
 30 VAN NESS AVENUE, 5TH FLOOR
 SAN FRANCISCO, CA 94102 - 6028

Acting Section Mgr:	Date:
Deputy Bureau Mgr:	
Acting Bureau Mgr:	

DESIGNED: DATE:	A.CANNON 3/2021
DRAWN: DATE:	
CHECKED: DATE:	

SCALE:
 1"=20'
 SHEET OF SHEETS
 OF

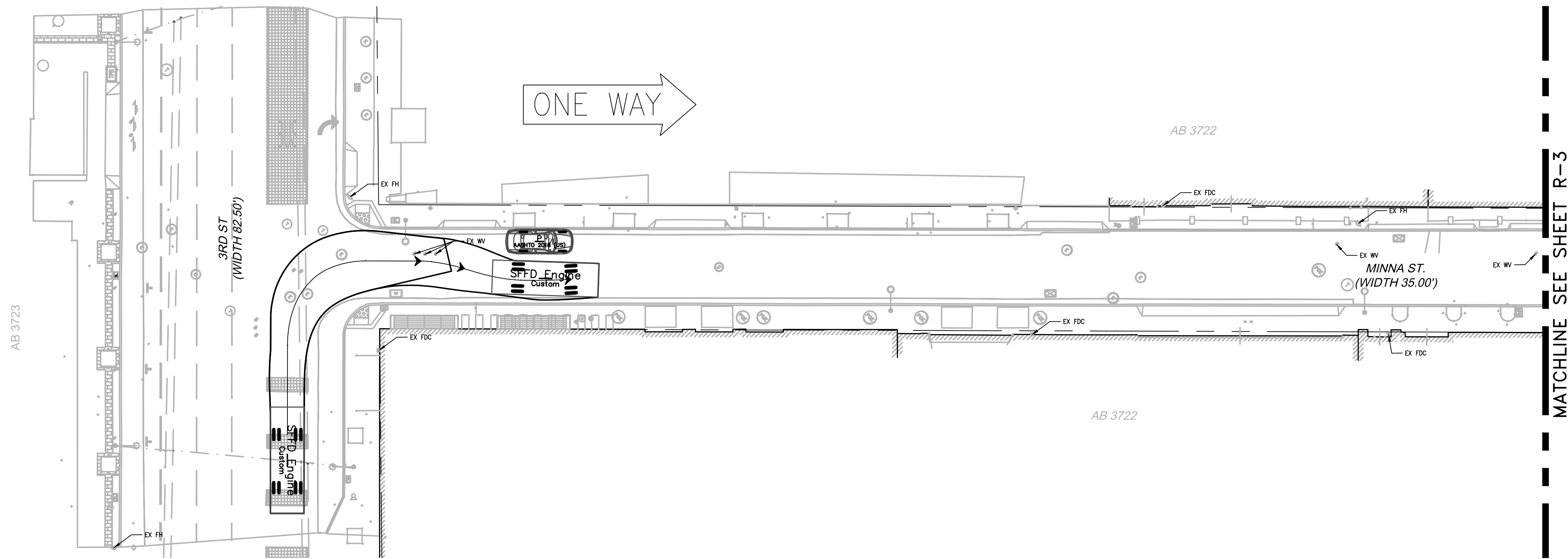
MINNA NATOMA
 STREETScape PROJECT
 CONCEPT LAYOUT
 NATOMA ST. AT NEW MONTGOMERY ST.

CONTRACT NO.	X
DRAWING NO.	R-6
FILE NO.	
REV. NO.	0

Drawing Path: \\global.arup.com\americas\jobs\S-F\270000\278192-00\4 Internal Project Data\4-03 Drawings\2 Bimetric\03\BASE_Minna-Natoma_V3.dwg, Login: alton.cannon@arup.com, Model Units: Feet
 Plot Time: Tue, 09 Mar 2021 6:22pm

DRAFT Existing Turn - SFFD Engine

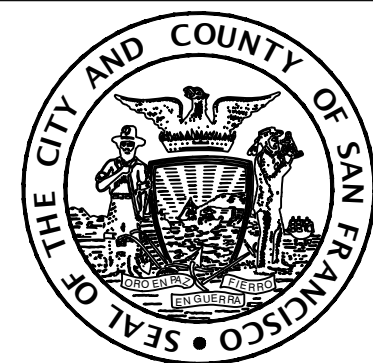
2021-01-12



ARUP

Arup North America Ltd.
560 Mission Street, Suite 700
San Francisco, CA 94105 USA
Tel (415) 957 9446 Fax (415) 957 9096
www.arup.com

REFERENCE INFORMATION
& FILE NO. OF SURVEYS



BUREAU OF ENGINEERING
CITY & COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
30 VAN NESS AVENUE, 5TH FLOOR
SAN FRANCISCO, CA 94102 - 6028

Acting Section Mgr:	Date:
Deputy Bureau Mgr:	
Acting Bureau Mgr:	

DESIGNED:	DATE:
A. CANNON	1/2021
DRAWN:	DATE:
CHECKED:	DATE:

SCALE:
1"=20'
SHEET OF SHEETS
OF

MINNA NATOMA
STREETSCAPE PROJECT
CONCEPT LAYOUT
MINNA ST, AT 3RD ST.

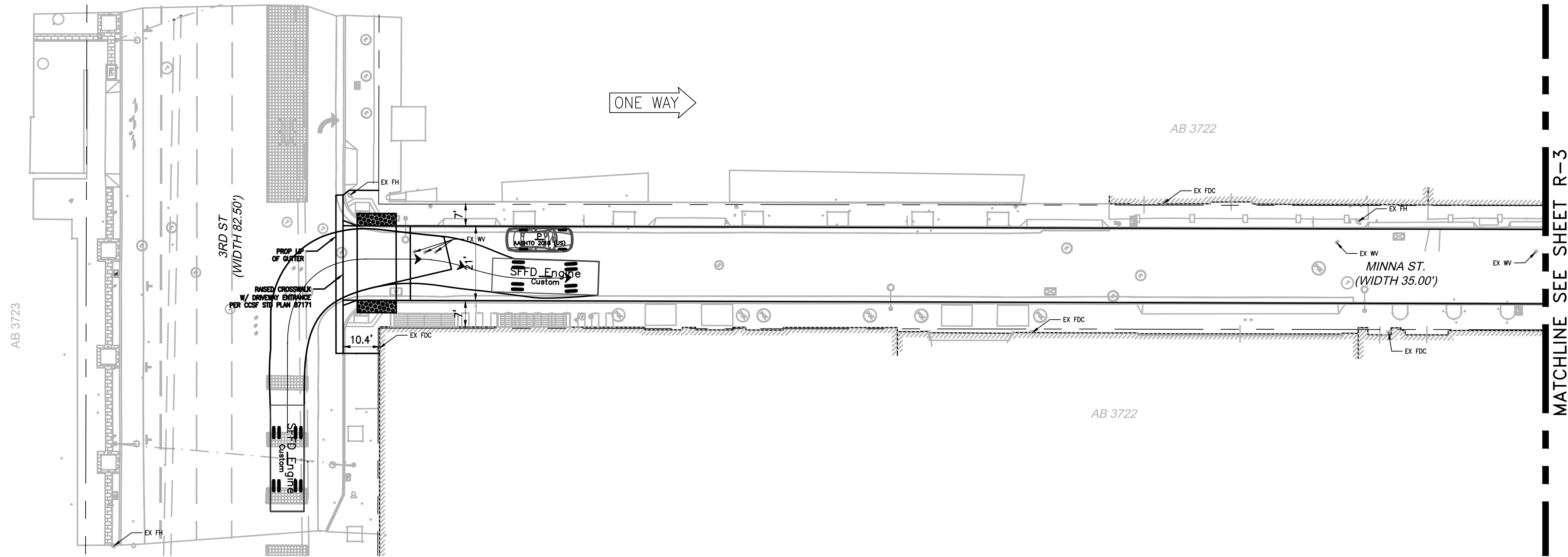
CONTRACT NO.	X
DRAWING NO.	R-2
FILE NO.	
REV. NO.	0

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
THIS DRAWING WAS LAST MODIFIED: 02/11/21 18:09, BY: alton.cannon				

Drawing Path: \\global.arup.com\americas\jobs\S-F\270000\278192-00\4 Internal Project Data\4-03 Drawings\2 Minna\3rd\3rd_SFFD_Minna-Natoma-EXTURN.dwg, Login: \\global.arup.com\americas\jobs\S-F\270000\278192-00\4 Internal Project Data\4-03 Drawings\2 Minna\3rd\3rd_SFFD_Minna-Natoma-EXTURN.dwg, Model Units: Feet
 Plot Time: Fri, 12 Feb 2021 2:33pm

DRAFT Proposed Turn - SFFD Engine

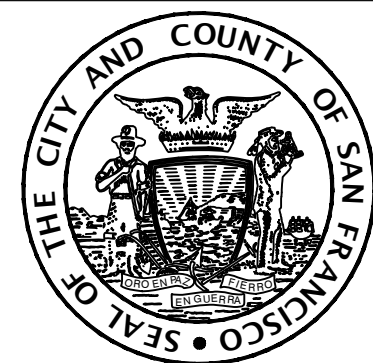
2021-03-10



ARUP

Arup North America Ltd.
560 Mission Street, Suite 700
San Francisco, CA 94105 USA
Tel (415) 957 9446 Fax (415) 957 9096
www.arup.com

REFERENCE INFORMATION
& FILE NO. OF SURVEYS



BUREAU OF ENGINEERING
CITY & COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
30 VAN NESS AVENUE, 5TH FLOOR
SAN FRANCISCO, CA 94102 - 6028

Acting Section Mgr:	Date:
Deputy Bureau Mgr:	
Acting Bureau Mgr:	

DESIGNED:	DATE:
A. CANNON	3/2021
DRAWN:	DATE:
CHECKED:	DATE:

SCALE:
1"=20'
SHEET OF SHEETS
OF

MINNA NATOMA
STREETSCAPE PROJECT
CONCEPT LAYOUT
MINNA ST, AT 3RD ST.

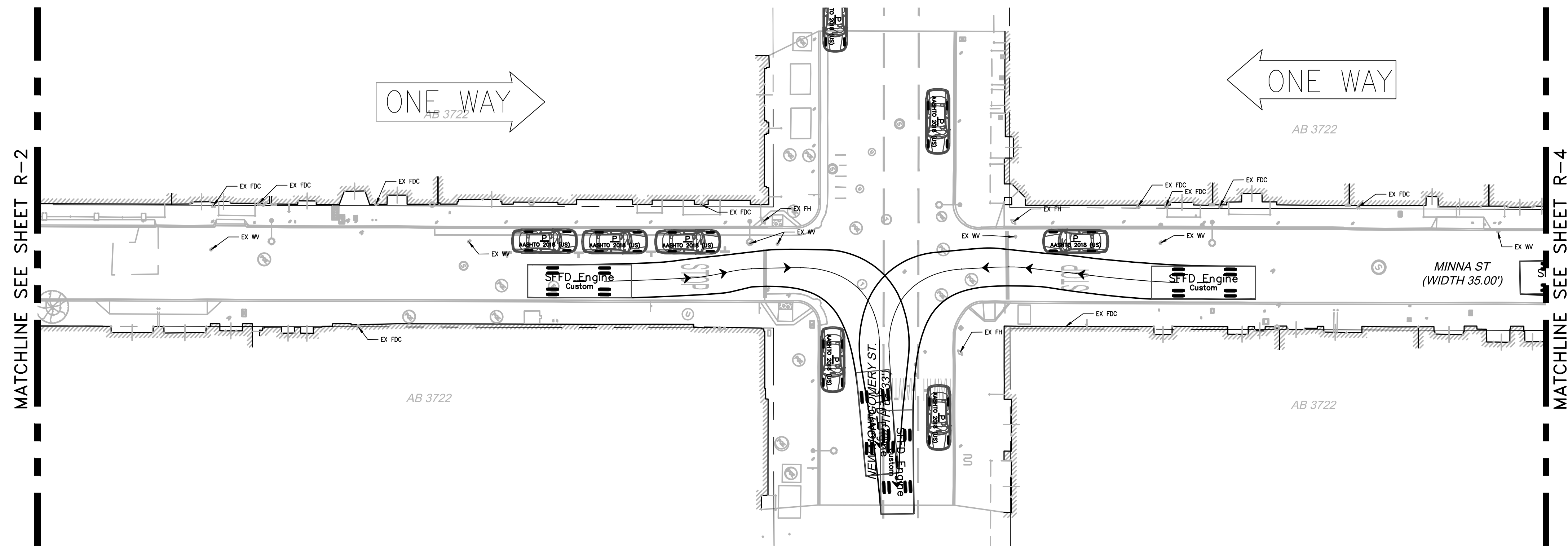
CONTRACT NO.	X
DRAWING NO.	R-2
FILE NO.	
REV. NO.	0

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
THIS DRAWING WAS LAST MODIFIED: 03/09/21 18:24, BY: alton.cannon				

Drawing Path: \\global.arup.com\americas\jobs\S-F\270000\278192-00\4 Internal Project Data\4-03 Drawings\2 Bimetric\0304\BASE_Minna-Natoma_V3.dwg, Login: alton.cannon, File: MINNATOMA.dwg
 Plot Time: Tue, 09 Mar 2021 6:26pm
 Model Units: Feet

DRAFT Existing Turn - SFFD Engine

2021-01-12



ARUP
 Arup North America Ltd.
 560 Mission Street, Suite 700
 San Francisco, CA 94105 USA
 Tel (415) 957 9446 Fax (415) 957 9096
 www.arup.com

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
THIS DRAWING WAS LAST MODIFIED: 02/11/21 18:09, BY: alton.cannon				



BUREAU OF ENGINEERING
 CITY & COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
 30 VAN NESS AVENUE, 5TH FLOOR
 SAN FRANCISCO, CA 94102 - 6028

Acting Section Mgr:	Date:	DESIGNED: DATE:
Deputy Bureau Mgr:		A.CANNON 1/2021
Acting Bureau Mgr:		DRAWN: DATE:
		CHECKED: DATE:

SCALE:
 1"=20'
 SHEET OF SHEETS
 OF

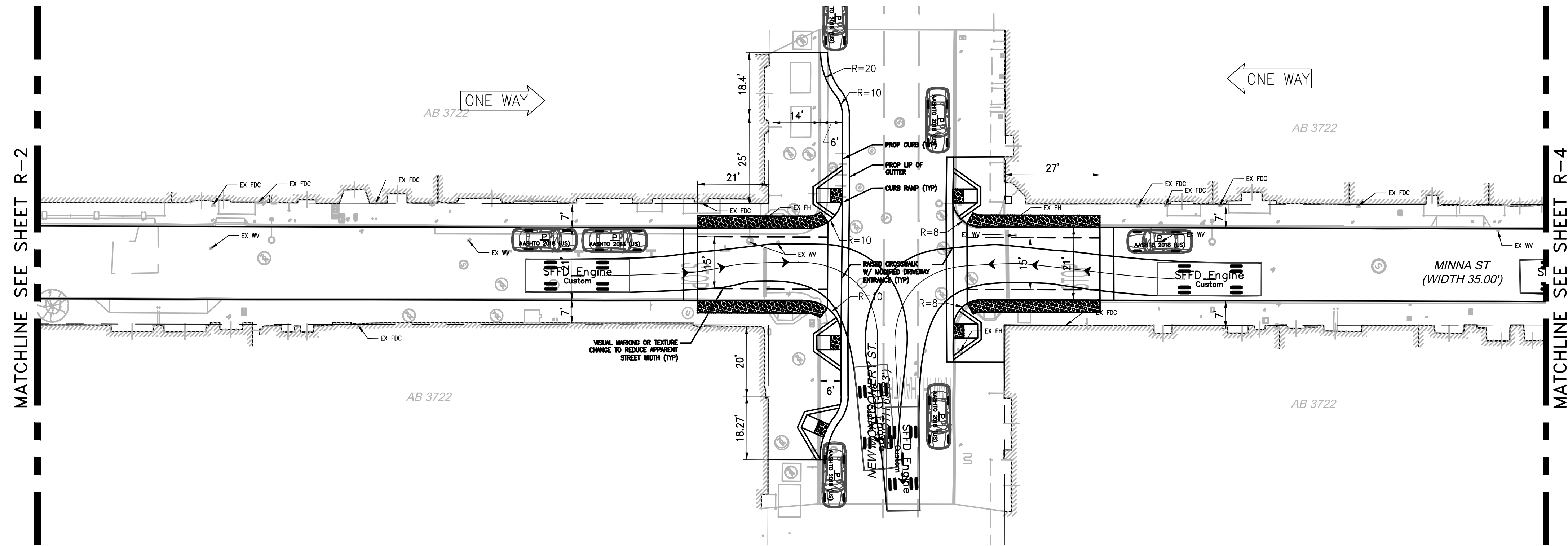
MINNA NATOMA
 STREETSCAPE PROJECT
 CONCEPT LAYOUT
 MINNA ST AT NEW MONTGOMERY

CONTRACT NO.	X
DRAWING NO.	R-3
FILE NO.	
REV. NO.	0

Drawing Path: \\global.arup.com\americas\jobs\S-F\270000\278192-00\4 Internal Project Data\4-03 Drawings\2_Bimark\01\04_BAISE_Minna-Natoma-EXTURN.dwg, Login: \\global.arup.com\americas\jobs\S-F\270000\278192-00\4 Internal Project Data\4-03 Drawings\2_Bimark\01\04_BAISE_Minna-Natoma-EXTURN.dwg, Model Units: Feet
 Plot Time: Fri, 12 Feb 2021 2:33pm

DRAFT Proposed Turn - SFFD Engine

2021-03-10



ARUP

Arup North America Ltd.
560 Mission Street, Suite 700
San Francisco, CA 94105 USA
Tel (415) 957 9446 Fax (415) 957 9096
www.arup.com

REFERENCE INFORMATION
& FILE NO. OF SURVEYS



BUREAU OF ENGINEERING
CITY & COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
30 VAN NESS AVENUE, 5TH FLOOR
SAN FRANCISCO, CA 94102 - 6028

Acting Section Mgr:	Date:
Deputy Bureau Mgr:	
Acting Bureau Mgr:	

DESIGNED:	DATE:
A.CANNON	3/2021
DRAWN:	DATE:
CHECKED:	DATE:

SCALE:
1"=20'
SHEET OF SHEETS
OF

MINNA NATOMA STREETSCAPE PROJECT
CONCEPT LAYOUT MINNA ST AT NEW MONTGOMERY

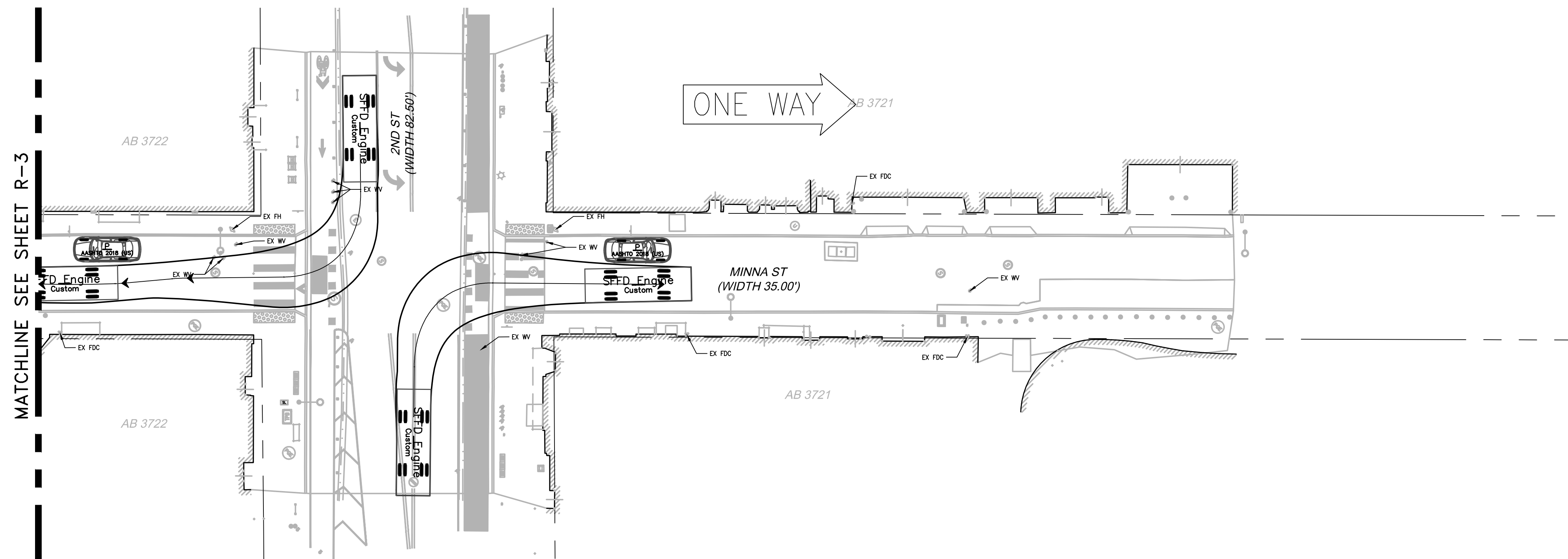
CONTRACT NO.	X
DRAWING NO.	R-3
FILE NO.	
REV. NO.	0

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
THIS DRAWING WAS LAST MODIFIED: 03/09/21 18:24, BY: alton.cannon				

Drawing Path: \\global.arup.com\americas\jobs\S-F\270000\278192-00\4 Internal Project Data\4-03 Drawings\2 Bimanskrit\BASE_Minna-Natoma_V3.dwg, Login: alton.cannon, Date: 03/09/21 18:24
 Plot Time: Tue, 09 Mar 2021 6:27pm
 Model Units: Feet
 File Name: \\global.arup.com\americas\jobs\S-F\270000\278192-00\4 Internal Project Data\4-03 Drawings\2 Bimanskrit\BASE_Minna-Natoma_V3.dwg, Login: alton.cannon, Date: 03/09/21 18:24
 Model Units: Feet

DRAFT Existing Turn - SFFD Engine

2021-01-12



ARUP
 Arup North America Ltd.
 560 Mission Street, Suite 700
 San Francisco, CA 94105 USA
 Tel (415) 957 9446 Fax (415) 957 9096
 www.arup.com

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
THIS DRAWING WAS LAST MODIFIED: 02/11/21 18:09, BY: alton.cannon				



BUREAU OF ENGINEERING
 CITY & COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
 30 VAN NESS AVENUE, 5TH FLOOR
 SAN FRANCISCO, CA 94102 - 6028

Acting Section Mgr:	Date:	DESIGNED: DATE:
Deputy Bureau Mgr:		A.CANNON 1/2021
Acting Bureau Mgr:		DRAWN: DATE:
		CHECKED: DATE:

SCALE:
 1"=20'
 SHEET OF SHEETS
 OF

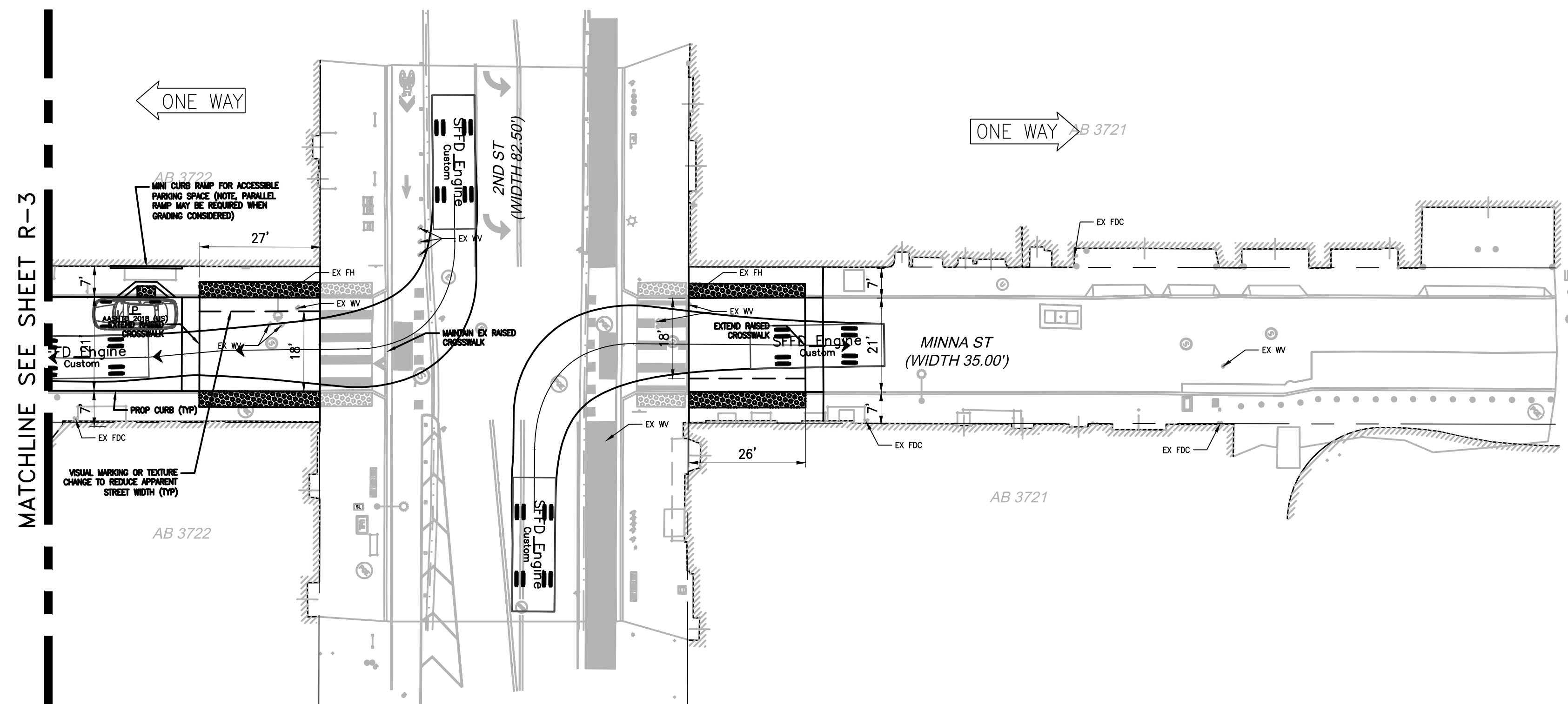
MINNA NATOMA
 STREETScape PROJECT
 CONCEPT LAYOUT
 MINNA ST AT 2ND ST

CONTRACT NO.	X
DRAWING NO.	R-3
FILE NO.	
REV. NO.	0

Drawing Path: \\global.arup.com\americas\jobs\S-F\270000\278192-00\4 Internal Project Data\4-03 Drawings\2_Bimark\10\BASE\Minna-Natoma-EXTURN.dwg, Login: \\sfw-arup-tb\zz334_min-nat.dwg
 Plot Time: Fri, 12 Feb 2021 2:34pm
 Model Units: Feet
 Measurement Units are English

DRAFT Proposed Turn - SFFD Engine

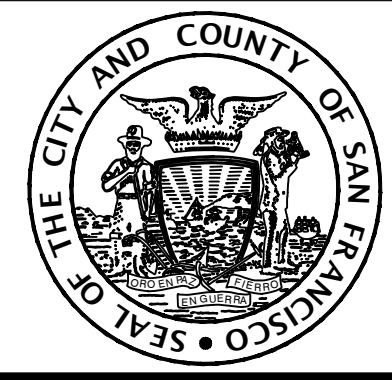
2021-03-10



ARUP
 Arup North America Ltd.
 560 Mission Street, Suite 700
 San Francisco, CA 94105 USA
 Tel (415) 957 9446 Fax (415) 957 9096
 www.arup.com

REFERENCE INFORMATION
& FILE NO. OF SURVEYS

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
THIS DRAWING WAS LAST MODIFIED: 03/09/21 18:24, BY: alton.cannon				



BUREAU OF ENGINEERING
 CITY & COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
 30 VAN NESS AVENUE, 5TH FLOOR
 SAN FRANCISCO, CA 94102 - 6028

Acting Section Mgr:	Date:	DESIGNED: DATE:
Deputy Bureau Mgr:		A.CANNON 1/2021
Acting Bureau Mgr:		DRAWN: DATE:
		CHECKED: DATE:

SCALE:
 1"=20'
 SHEET OF SHEETS
 OF

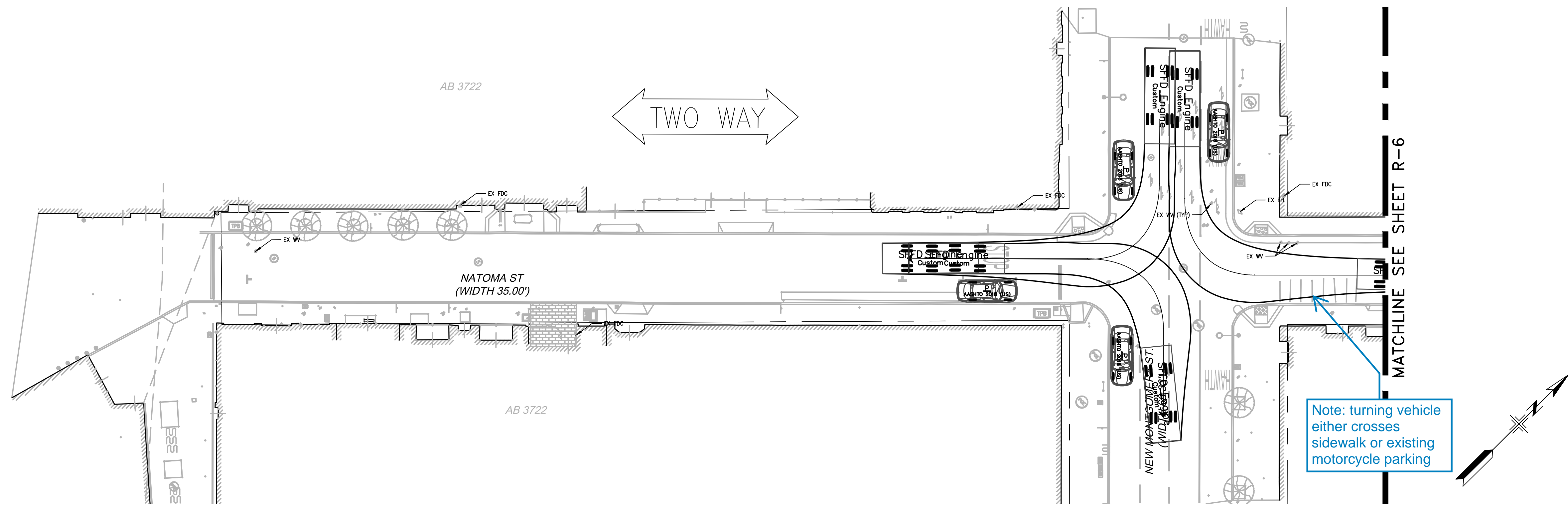
MINNA NATOMA
 STREETScape PROJECT
 CONCEPT LAYOUT
 MINNA ST AT 2ND ST

CONTRACT NO.	X
DRAWING NO.	R-4
FILE NO.	
REV. NO.	0

Drawing Path: \\global.arup.com\americas\jobs\S-F\270000\278192-00\4 Internal Project Data\4-03 Drawings\2 Minna\Sketch\BASE_Minna-Natoma_V3.dwg, Login: alton.cannon, Date: 03/09/21 18:24, Model Units: Feet
 Plot Time: Tue, 09 Mar 2021 6:28pm
 File Name: \\global.arup.com\americas\jobs\S-F\270000\278192-00\4 Internal Project Data\4-03 Drawings\2 Minna\Sketch\BASE_Minna-Natoma_V3.dwg, Login: alton.cannon, Date: 03/09/21 18:24, Model Units: Feet

DRAFT Existing Turn - SFFD Engine

2021-01-12



ARUP

Arup North America Ltd.
560 Mission Street, Suite 700
San Francisco, CA 94105 USA
Tel (415) 957 9446 Fax (415) 957 9096
www.arup.com

REFERENCE INFORMATION
& FILE NO. OF SURVEYS



BUREAU OF ENGINEERING
CITY & COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
30 VAN NESS AVENUE, 5TH FLOOR
SAN FRANCISCO, CA 94102 - 6028

Acting Section Mgr:	Date:
Deputy Bureau Mgr:	
Acting Bureau Mgr:	

DESIGNED:	DATE:
A.CANNON	1/2021
DRAWN:	DATE:
CHECKED:	DATE:

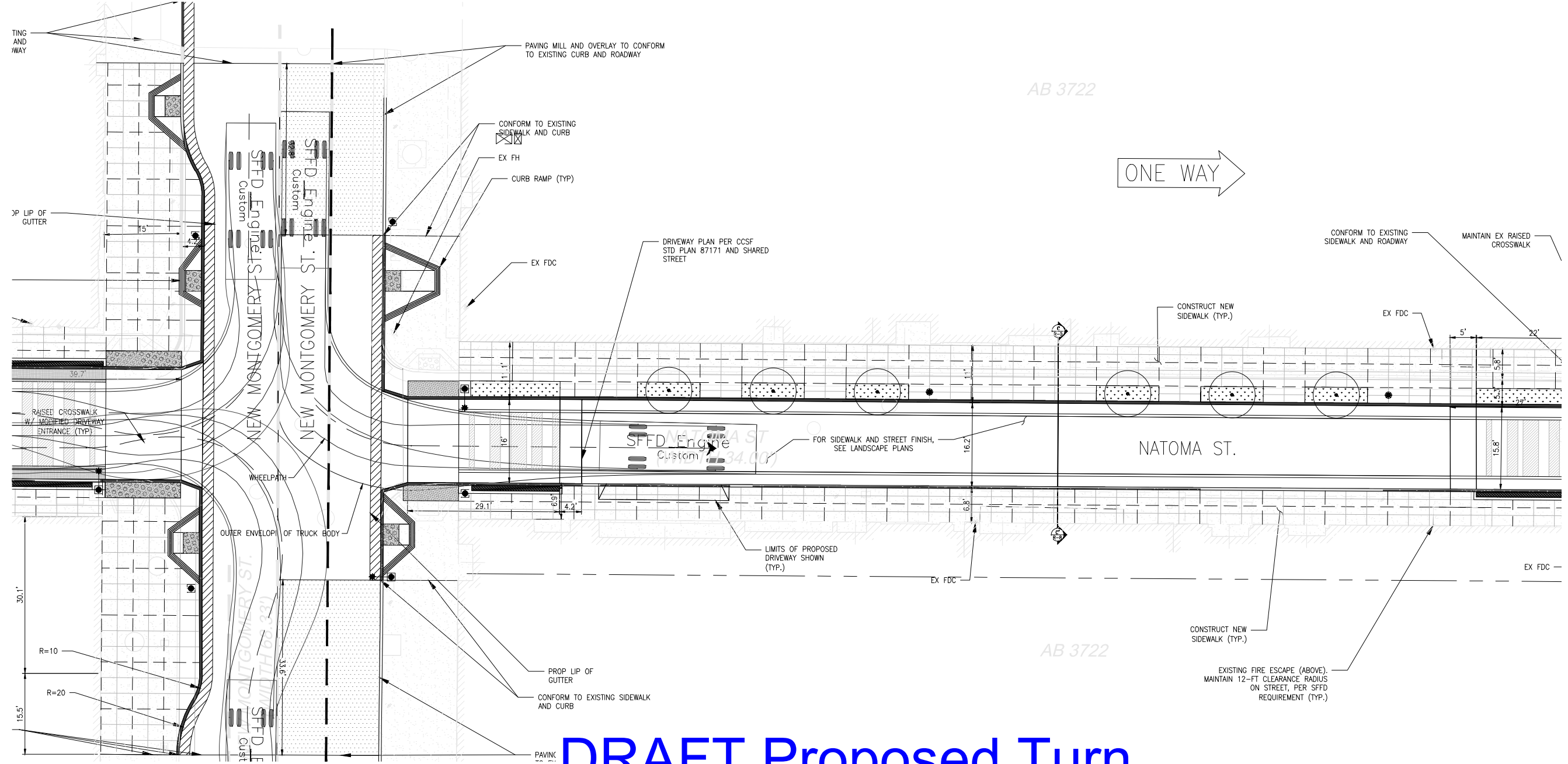
SCALE:
1"=20'
SHEET OF SHEETS
OF

MINNA NATOMA
STREETSCAPE PROJECT
CONCEPT LAYOUT
NATOMA ST. AT NEW MONTGOMERY ST.

CONTRACT NO.	X
DRAWING NO.	R-5
FILE NO.	
REV. NO.	0

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
THIS DRAWING WAS LAST MODIFIED: 02/11/21 18:09, BY: alton.cannon				

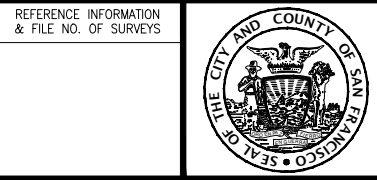
Drawing Path: \\global.arup.com\americas\jobs\S-F\270000\278192-00\4 Internal Project Data\4-03 Drawings\2 Dimensions\Bases\BASE_Minna-Natoma-EXTURN.dwg, Login: \\sfw-arup\arup\alton.cannon
 Plot Time: Fri, 12 Feb 2021 12:23:38pm
 Model Units: Feet
 \LBASE w\A Turn Templates.dwg
 \SFPW_ARUP_TB_L22X34_MIN-NAT.dwg



DRAFT Proposed Turn SFFD Engine July 2022

ARUP Arup North America Ltd.
560 Mission Street, Suite 700
San Francisco, CA 94105 USA
Tel (415) 957 9445 Fax (415) 957 9096
www.arup.com

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
THIS DRAWING WAS LAST MODIFIED: 08/08/22 17:49, BY: erobinso				



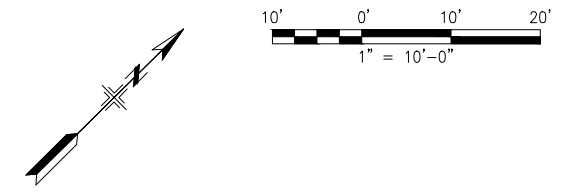
BUREAU OF ENGINEERING
CITY & COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
30 VAN NESS AVENUE, 5TH FLOOR
SAN FRANCISCO, CA 94102 - 8028

Acting Section Mgr:	Date:	DESIGNED: DATE:
Deputy Bureau Mgr:		A.MANZALI 11/2021
Acting Bureau Mgr:		DRAWN: DATE:
F. CISNEROS		A.MANZALI 11/2021
L. DHAPA		CHECKED: DATE:
		N. L-SCHLAE/2021

SCALE:
1"=10'
SHEET OF SHEETS
OF

**MINNA NATOMA
STREETSCAPE PROJECT**
**ROADWAY PLAN
NATOMA ST BTWN NEW MONTGOMERY & 2ND ST**

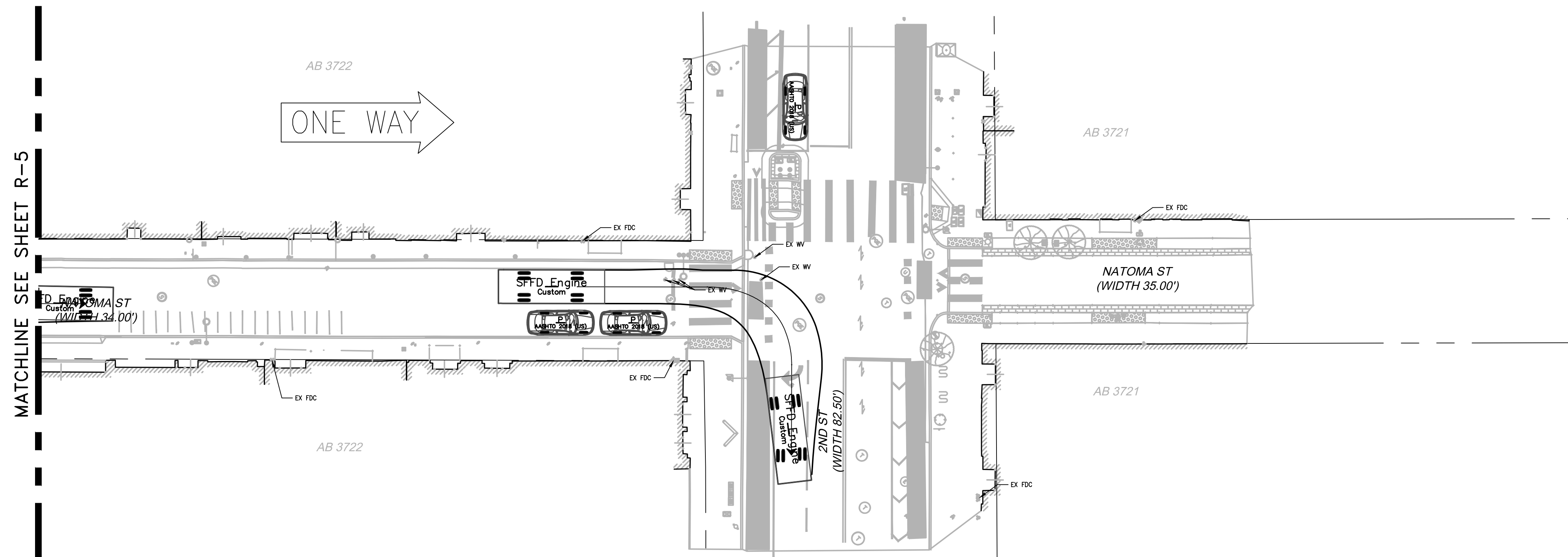
CONTRACT NO.	X
DRAWING NO.	SKETCH
FILE NO.	
REV. NO.	1



Drawing Path: I:\T-E-FILES\LivingStreets\1.0 Team Shannon\Projects\SODA Streetscape - Minna Natoma\Design\Natoma Turning_-BASE.dwg
 Plot Time: Wed, 26 Oct 2022 - 2:50pm
 Model Units: Feet

DRAFT Existing Turn - SFFD Engine

2021-01-12



ARUP
 Arup North America Ltd.
 560 Mission Street, Suite 700
 San Francisco, CA 94105 USA
 Tel (415) 957 9446 Fax (415) 957 9096
 www.arup.com

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
THIS DRAWING WAS LAST MODIFIED: 02/11/21 18:09, BY: alton.cannon				



BUREAU OF ENGINEERING
 CITY & COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
 30 VAN NESS AVENUE, 5TH FLOOR
 SAN FRANCISCO, CA 94102 - 6028

Acting Section Mgr:	Date:
Deputy Bureau Mgr:	
Acting Bureau Mgr:	

DESIGNED:	DATE:
A.CANNON	1/2021
DRAWN:	DATE:
CHECKED:	DATE:

SCALE:
 1"=20'
 SHEET OF SHEETS
 OF

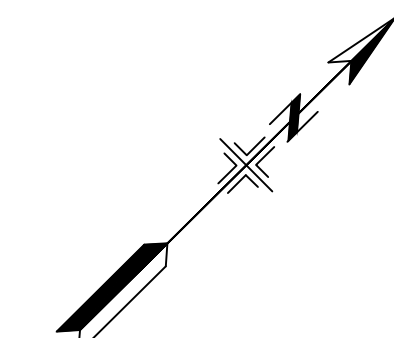
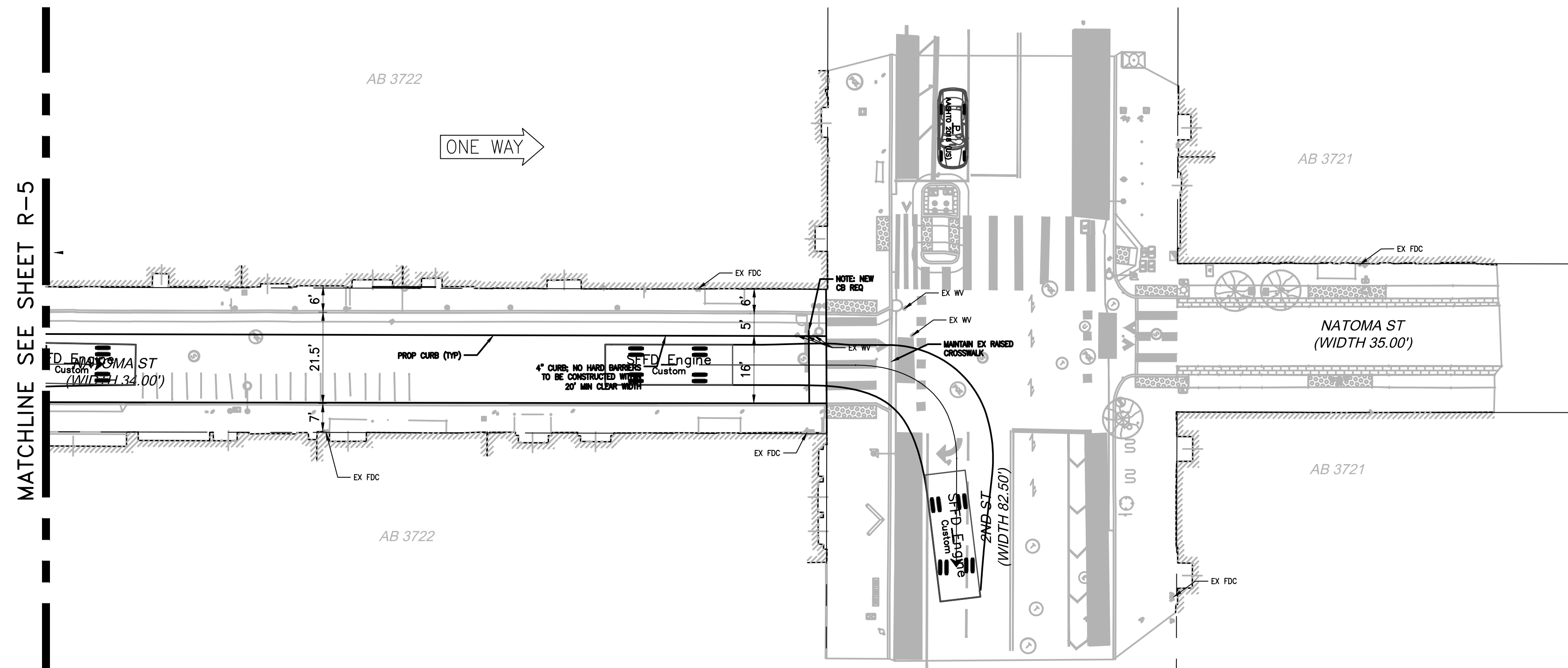
MINNA NATOMA
 STREETScape PROJECT
 CONCEPT LAYOUT
 NATOMA ST. AT NEW MONTGOMERY ST.

CONTRACT NO.	X
DRAWING NO.	R-6
FILE NO.	
REV. NO.	0

Drawing Path: \\global.arup.com\americas\jobs\S-F\270000\278192-00\4 Internal Project Data\4-03 Drawings\2 Bimark\Bimark\BASE_Minna-Natoma-EXTURN.dwg Login: \\files.arup.com\Bimark\Bimark.dwg
 Plot Time: Fri, 12 Feb 2021 2:37pm
 Model Units: Feet
 Measurement Units are English
 \LBASE\w\B\A\turn Templates.dwg
 \SFPW_ARUP_TB_L22X34_MIN-NAT.dwg

DRAFT Proposed Turn - SFFD Engine

2021-03-10



ARUP
 Arup North America Ltd.
 560 Mission Street, Suite 700
 San Francisco, CA 94105 USA
 Tel (415) 957 9446 Fax (415) 957 9096
 www.arup.com

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
THIS DRAWING WAS LAST MODIFIED: 03/09/21 18:24, BY: alton.cannon				

REFERENCE INFORMATION
& FILE NO. OF SURVEYS



BUREAU OF ENGINEERING
 CITY & COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
 30 VAN NESS AVENUE, 5TH FLOOR
 SAN FRANCISCO, CA 94102 - 6028

Acting Section Mgr:	Date:
Deputy Bureau Mgr:	
Acting Bureau Mgr:	

DESIGNED: DATE:	A.CANNON 3/2021
DRAWN: DATE:	
CHECKED: DATE:	

SCALE:
 1"=20'
 SHEET OF SHEETS
 OF

**MINNA NATOMA
 STREETScape PROJECT**

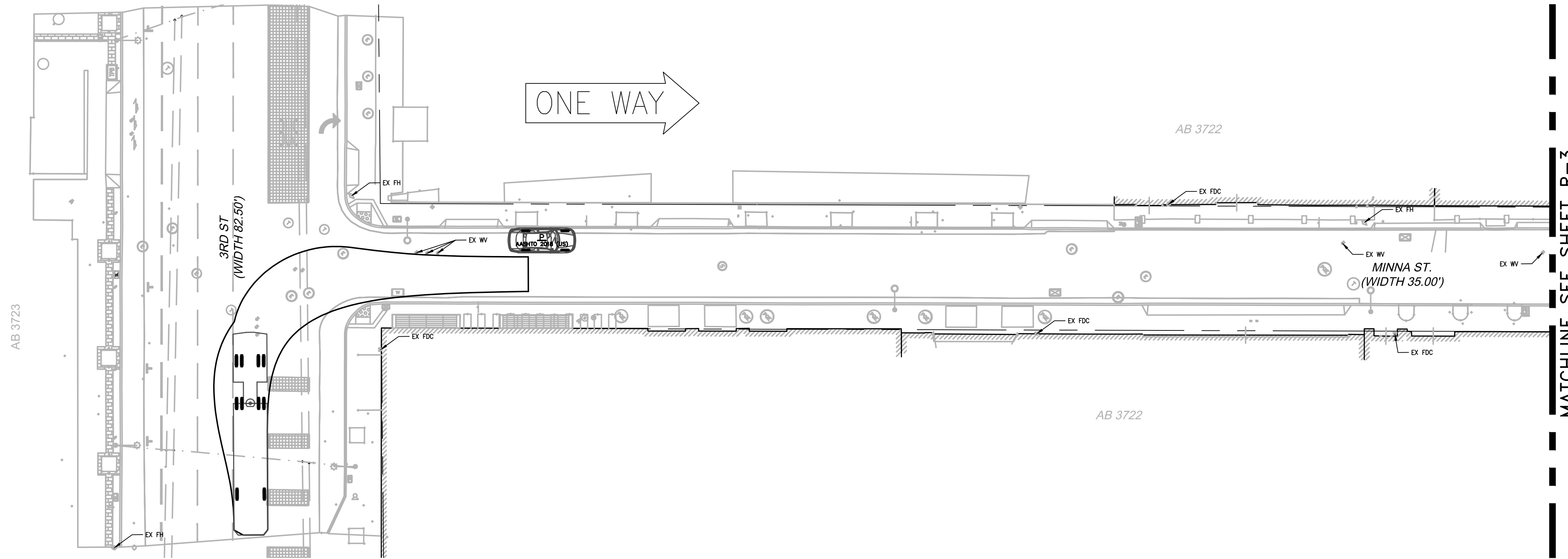
**CONCEPT LAYOUT
 NATOMA ST. AT NEW MONTGOMERY ST.**

CONTRACT NO.	X
DRAWING NO.	R-6
FILE NO.	
REV. NO.	0

Drawing Path: \\global.arup.com\americas\jobs\S-F\270000\278192-00\4 Internal Project Data\4-03 Drawings\2 Bimark\Bimark\BASE_Minna-Natoma_V3.dwg, Login: alton.cannon@arup.com, Model Units: Feet
 Plot Time: Tue, 09 Mar 2021 6:30pm

DRAFT Existing Turn - SFFD Ladder

2021-01-12



ARUP
 Arup North America Ltd.
 560 Mission Street, Suite 700
 San Francisco, CA 94105 USA
 Tel (415) 957 9446 Fax (415) 957 9096
 www.arup.com

REFERENCE INFORMATION
 & FILE NO. OF SURVEYS



BUREAU OF ENGINEERING
 CITY & COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
 30 VAN NESS AVENUE, 5TH FLOOR
 SAN FRANCISCO, CA 94102 - 6028

Acting Section Mgr:	Date:
Deputy Bureau Mgr:	
Acting Bureau Mgr:	

DESIGNED:	DATE:
A. CANNON	1/2021
DRAWN:	DATE:
CHECKED:	DATE:

SCALE:
 1"=20'
 SHEET OF SHEETS
 OF

MINNA NATOMA
 STREETScape PROJECT
 CONCEPT LAYOUT
 MINNA ST, AT 3RD ST.

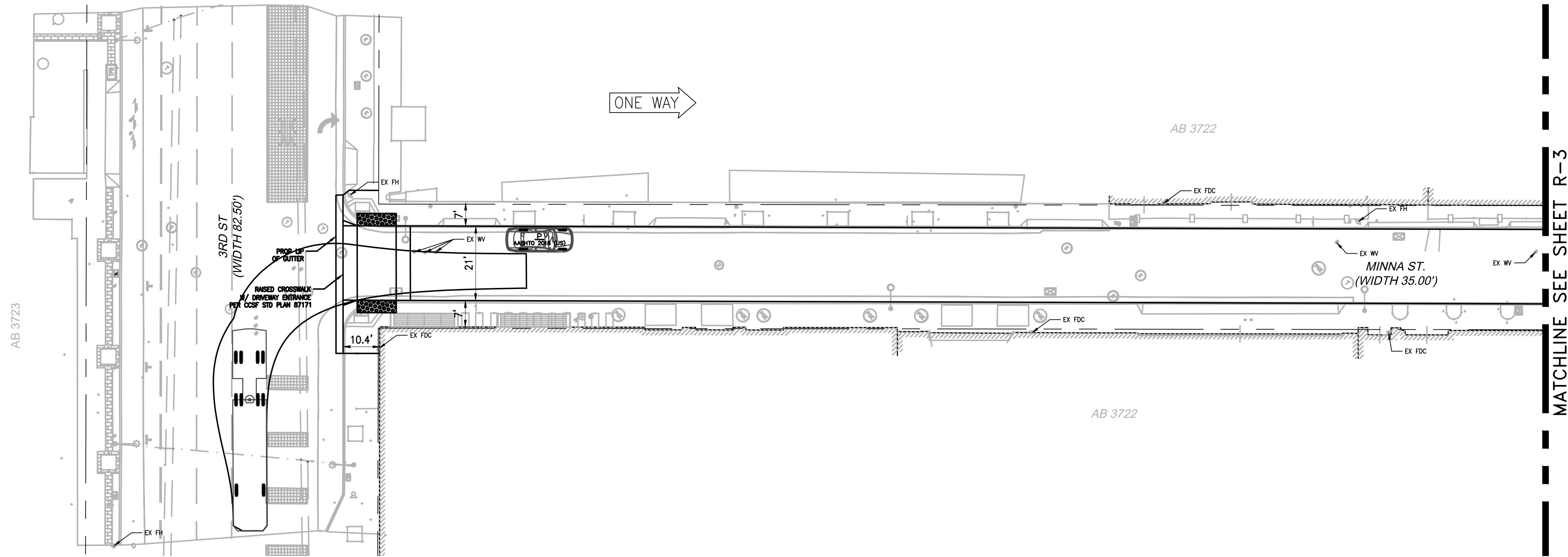
CONTRACT NO.	X
DRAWING NO.	R-2
FILE NO.	
REV. NO.	0

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
THIS DRAWING WAS LAST MODIFIED: 02/11/21 18:09, BY: alton.cannon				

Drawing Path: \\global.arup.com\americas\jobs\S-F\270000\278192-00\4 Internal Project Data\4-03 Drawings\2_Bimark\04\BASE\Minna-Natoma-EXTURN.dwg, Login: \\global.arup.com\americas\jobs\S-F\270000\278192-00\4 Internal Project Data\4-03 Drawings\2_Bimark\04\BASE\Minna-Natoma-EXTURN.dwg, Model Units: Feet
 Plot Time: Fri, 12 Feb 2021 2:43pm
 \LBASE\w\p\turn Templates.dwg
 \SFPW_ARUP_TB_L22X34_MIN-NAT.dwg

DRAFT Proposed Turn - SFFD Ladder

2021-03-10



ARUP

Arup North America Ltd.
560 Mission Street, Suite 700
San Francisco, CA 94105 USA
Tel (415) 957 9446 Fax (415) 957 9096
www.arup.com

REFERENCE INFORMATION
& FILE NO. OF SURVEYS



BUREAU OF ENGINEERING
CITY & COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
30 VAN NESS AVENUE, 5TH FLOOR
SAN FRANCISCO, CA 94102 - 6028

Date:	DESIGNED: DATE:
Acting Section Mgr:	A.CANNON 3/2021
Deputy Bureau Mgr:	DRAWN: DATE:
Acting Bureau Mgr:	CHECKED: DATE:

SCALE:
1"=20'
SHEET OF SHEETS
OF

MINNA NATOMA
STREETSCAPE PROJECT
CONCEPT LAYOUT
MINNA ST, AT 3RD ST.

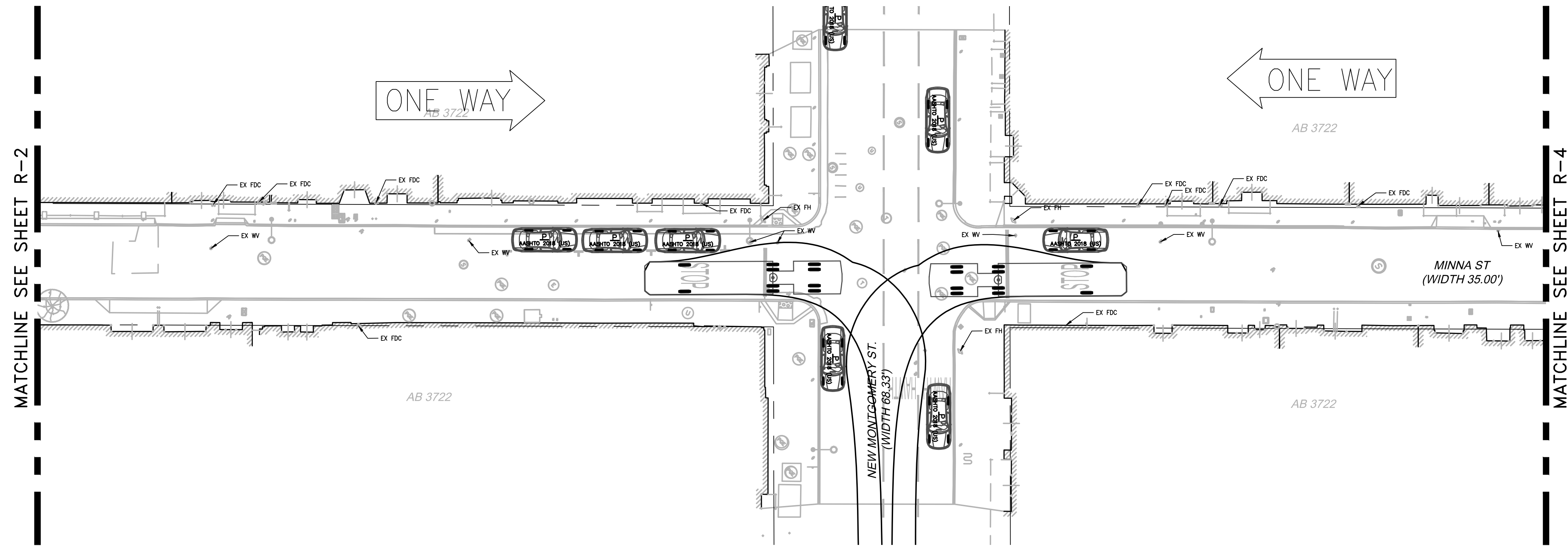
CONTRACT NO.	X
DRAWING NO.	R-2
FILE NO.	
REV. NO.	0

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
THIS DRAWING WAS LAST MODIFIED: 03/09/21 18:24, BY: alton.cannon				

Drawing Path: \\global.arup.com\americas\jobs\S-F\270000\278192-00\4 Internal Project Data\4-03 Drawings\2_Bim\sketch\BASE_Minna-Natoma_V3.dwg, Login: alton.cannon, Model Units: Feet
 Plot Time: Tue, 09 Mar 2021 6:31pm

DRAFT Existing Turn - SFFD Ladder

2021-01-12



ARUP
 Arup North America Ltd.
 560 Mission Street, Suite 700
 San Francisco, CA 94105 USA
 Tel (415) 957 9446 Fax (415) 957 9096
 www.arup.com

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
THIS DRAWING WAS LAST MODIFIED: 02/11/21 18:09, BY: alton.cannon				



BUREAU OF ENGINEERING
 CITY & COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
 30 VAN NESS AVENUE, 5TH FLOOR
 SAN FRANCISCO, CA 94102 - 6028

Acting Section Mgr:	Date:	DESIGNED: DATE:
Deputy Bureau Mgr:		A.CANNON 1/2021
Acting Bureau Mgr:		DRAWN: DATE:
		CHECKED: DATE:

SCALE:
1"=20'
SHEET OF SHEETS
OF

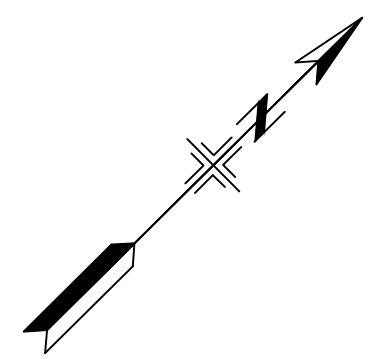
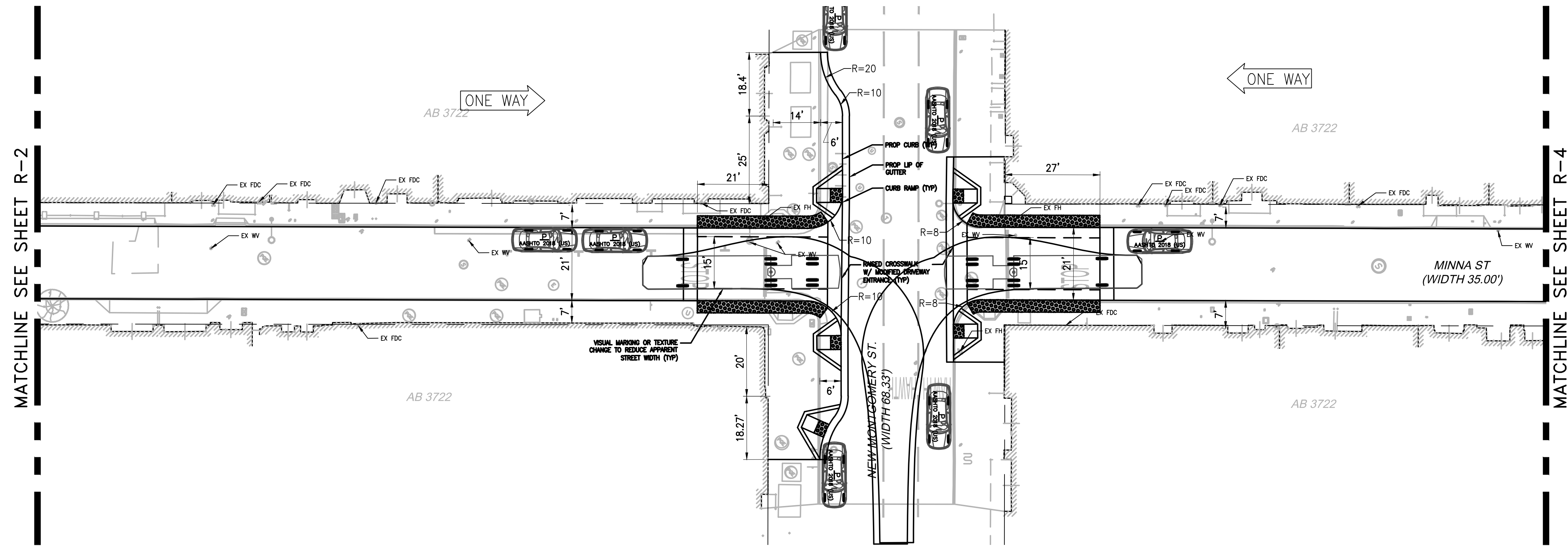
MINNA NATOMA
 STREETSCAPE PROJECT
 CONCEPT LAYOUT
 MINNA ST AT NEW MONTGOMERY

CONTRACT NO.	X
DRAWING NO.	R-3
FILE NO.	
REV. NO.	0

Drawing Path: \\global.arup.com\americas\jobs\S-F\270000\278192-00\4 Internal Project Data\4-03 Drawings\2 Bimark\02\04\BASE\w\m\turn Templates.dwg
 Plot Time: Fri, 12 Feb 2021 2:43pm
 Model Units: Feet
 Login: \\global.arup.com\americas\jobs\S-F\270000\278192-00\4 Internal Project Data\4-03 Drawings\2 Bimark\02\04\BASE\w\m\turn Templates.dwg
 Model Units: Feet

DRAFT Proposed Turn - SFFD Ladder

2021-03-10



ARUP
 Arup North America Ltd.
 560 Mission Street, Suite 700
 San Francisco, CA 94105 USA
 Tel (415) 957 9446 Fax (415) 957 9096
 www.arup.com

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
THIS DRAWING WAS LAST MODIFIED: 03/09/21 18:24, BY: alton.cannon				



BUREAU OF ENGINEERING
 CITY & COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
 30 VAN NESS AVENUE, 5TH FLOOR
 SAN FRANCISCO, CA 94102 - 6028

Acting Section Mgr:	Date:	DESIGNED: DATE:
Deputy Bureau Mgr:		A.CANNON 3/2021
Acting Bureau Mgr:		DRAWN: DATE:
		CHECKED: DATE:

SCALE:	1"=20'
SHEET OF SHEETS	OF

**MINNA NATOMA
 STREETScape PROJECT**

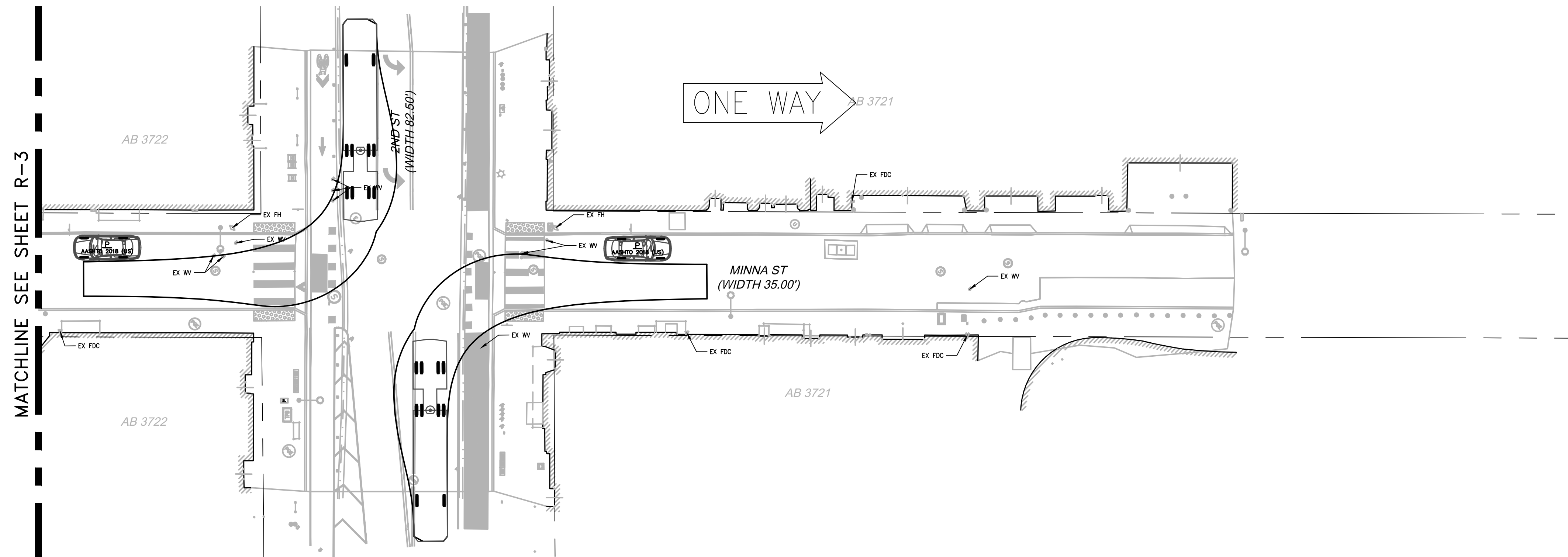
**CONCEPT LAYOUT
 MINNA ST AT NEW MONTGOMERY**

CONTRACT NO. X
DRAWING NO. R-3
FILE NO.
REV. NO. 0

Drawing Path: \\global.arup.com\americas\jobs\S-F\270000\278192-00\4 Internal Project Data\4-03 Drawings\2 Bimark\Bimark\BASE_Minna-Natoma_V3.dwg, Login: alton.cannon, File: MINNA_NATOMA.dwg
 Plot Time: Tue, 09 Mar 2021 6:32pm
 Model Units: Feet

DRAFT Existing Turn - SFFD Ladder

2021-01-12



ARUP
 Arup North America Ltd.
 560 Mission Street, Suite 700
 San Francisco, CA 94105 USA
 Tel (415) 957 9446 Fax (415) 957 9096
 www.arup.com

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
THIS DRAWING WAS LAST MODIFIED: 02/11/21 18:09, BY: alton.cannon				

REFERENCE INFORMATION
 & FILE NO. OF SURVEYS



BUREAU OF ENGINEERING
 CITY & COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
 30 VAN NESS AVENUE, 5TH FLOOR
 SAN FRANCISCO, CA 94102 - 6028

Acting Section Mgr:	Date:
Deputy Bureau Mgr:	
Acting Bureau Mgr:	

DESIGNED:	DATE:
A.CANNON	1/2021
DRAWN:	DATE:
CHECKED:	DATE:

SCALE:
 1"=20'
 SHEET OF SHEETS
 OF

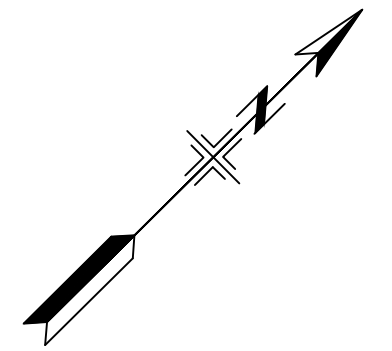
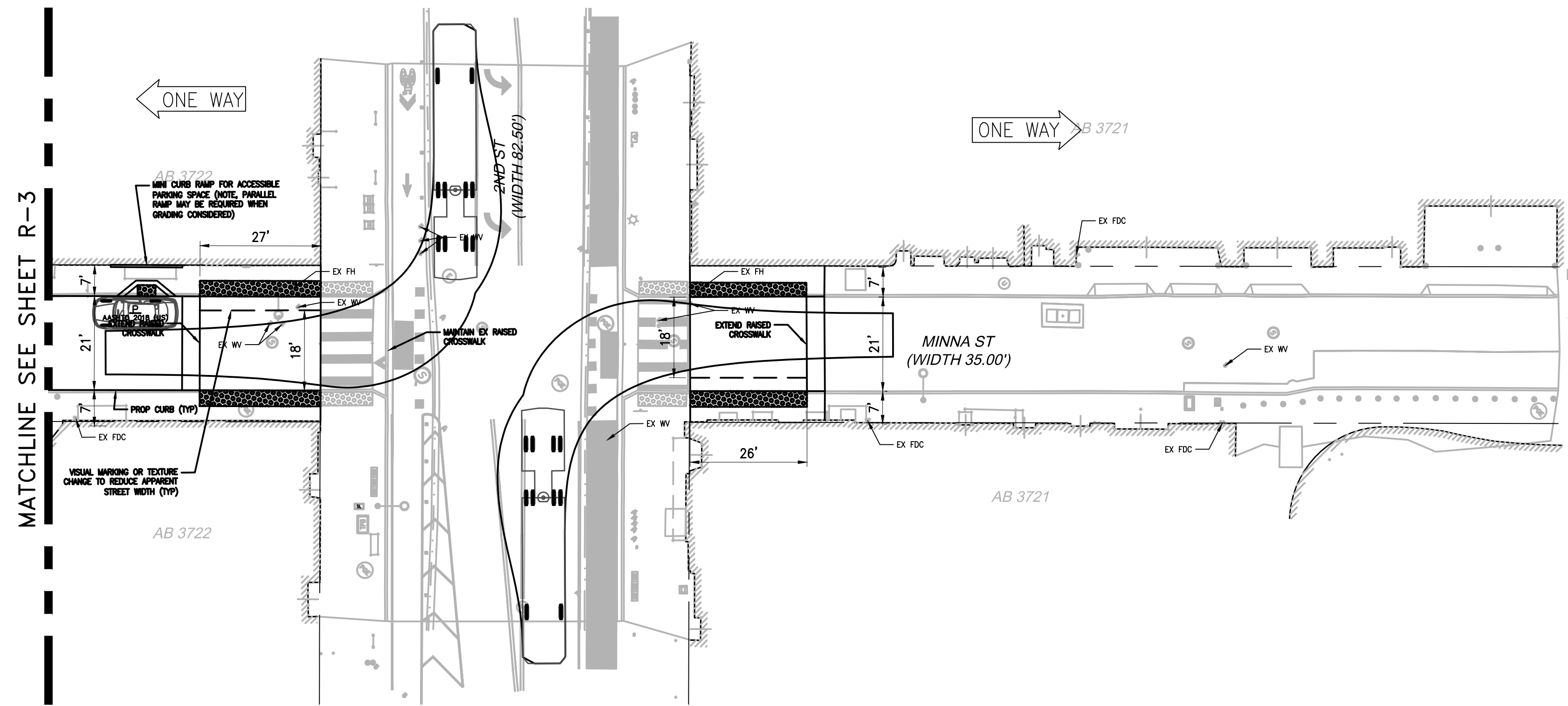
MINNA NATOMA
 STREETScape PROJECT
 CONCEPT LAYOUT
 MINNA ST AT 2ND ST

CONTRACT NO.	X
DRAWING NO.	R-3
FILE NO.	
REV. NO.	0

Drawing Path: \\global.arup.com\americas\jobs\S-F\270000\278192-00\4 Internal Project Data\4-03 Drawings\2 Minna\sketch\BASE_Minna-Natoma-EXTURN.dwg, Login: \\sfw-arup-tb-z2x34_min-nat.dwg
 Plot Time: Fri, 12 Feb 2021 2:45pm
 Measurement Units are English
 Model Units: Feet

DRAFT Proposed Turn - SFFD Ladder

2021-03-10



ARUP

Arup North America Ltd.
560 Mission Street, Suite 700
San Francisco, CA 94105 USA
Tel (415) 957 9446 Fax (415) 957 9096
www.arup.com

REFERENCE INFORMATION
& FILE NO. OF SURVEYS



BUREAU OF ENGINEERING
CITY & COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
30 VAN NESS AVENUE, 5TH FLOOR
SAN FRANCISCO, CA 94102 - 6028

Acting Section Mgr:	Date:
Deputy Bureau Mgr:	
Acting Bureau Mgr:	

DESIGNED:	DATE:
A.CANNON	1/2021
DRAWN:	DATE:
CHECKED:	DATE:

SCALE:
1"=20'
SHEET OF SHEETS
OF

MINNA NATOMA
STREETSCAPE PROJECT
CONCEPT LAYOUT
MINNA ST AT 2ND ST

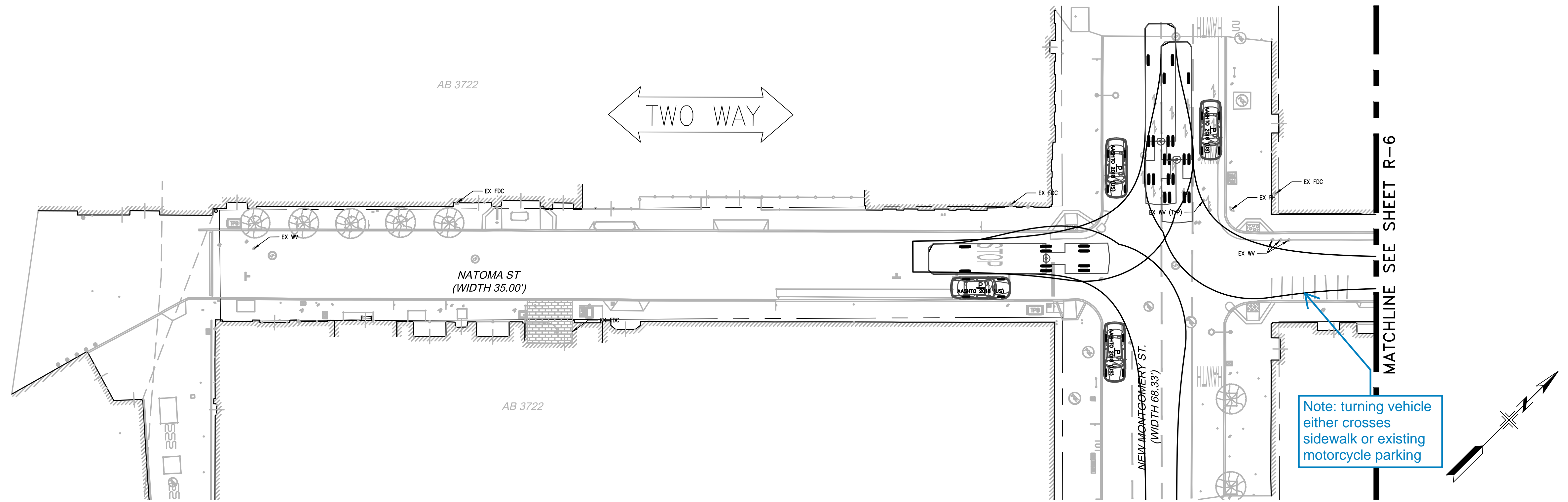
CONTRACT NO.	X
DRAWING NO.	R-4
FILE NO.	
REV. NO.	0

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
THIS DRAWING WAS LAST MODIFIED: 03/09/21 18:24, BY: alton.cannon				

Drawing Path: \\global.arup.com\americas\jobs\S-F\270000\278192-00\4 Internal Project Data\4-03 Drawings\2 Minna\sketch\BASE_Minna-Natoma_V3.dwg, Login: alton.cannon, Date: 03/09/21 18:24, Plot Time: Tue, 09 Mar 2021 6:53pm
 Model Units: Feet

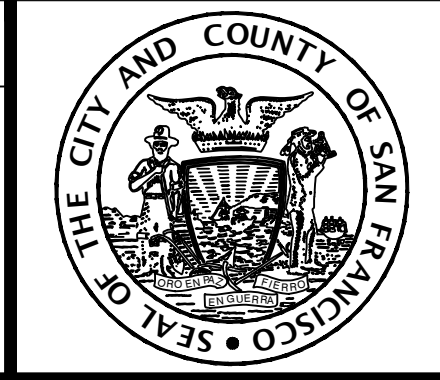
DRAFT Existing Turn - SFFD Ladder

2021-01-12



ARUP
 Arup North America Ltd.
 560 Mission Street, Suite 700
 San Francisco, CA 94105 USA
 Tel (415) 957 9446 Fax (415) 957 9096
 www.arup.com

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
THIS DRAWING WAS LAST MODIFIED: 02/11/21 18:09, BY: alton.cannon				



BUREAU OF ENGINEERING
 CITY & COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
 30 VAN NESS AVENUE, 5TH FLOOR
 SAN FRANCISCO, CA 94102 - 6028

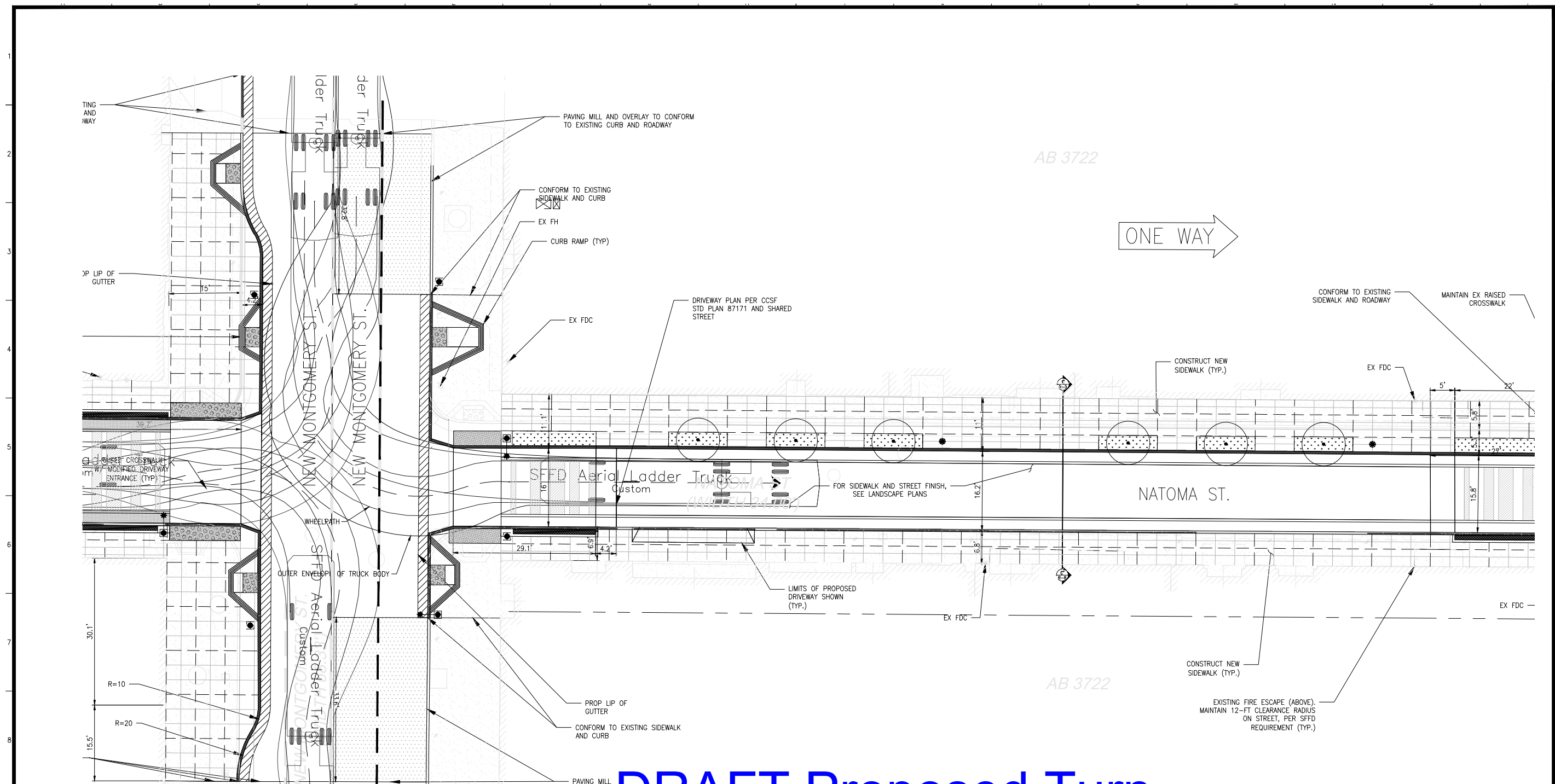
Acting Section Mgr:	Date:	DESIGNED: DATE:
Deputy Bureau Mgr:		A.CANNON 1/2021
Acting Bureau Mgr:		DRAWN: DATE:
		CHECKED: DATE:

SCALE:	1"=20'
SHEET OF SHEETS	OF

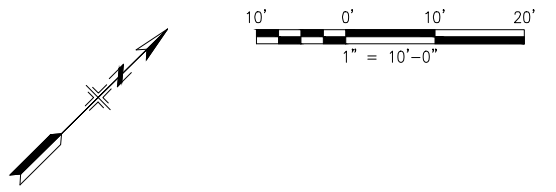
MINNA NATOMA
 STREETSCAPE PROJECT
 CONCEPT LAYOUT
 NATOMA ST. AT NEW MONTGOMERY ST.

CONTRACT NO.	X
DRAWING NO.	R-5
FILE NO.	
REV. NO.	0

Drawing Path: \\global.arup.com\americas\jobs\S-F\270000\278192-00\4 Internal Project Data\4-03 Drawings\2 Bimetric\04 Base\Minna-Natoma-EXTURN.dwg, Login: \\files-arup-arup\arup\l...
 Plot Time: Fri, 12 Feb 2021 2:47pm
 Measurement Units are English
 Model Units: Feet
 \LBASE\w\TA Turn Templates.dwg
 \SFPW_ARUP_TB_L22X34_MIN-NAT.dwg



DRAFT Proposed Turn SFFD Ladder July 2022



ARUP Arup North America Ltd.
560 Mission Street, Suite 700
San Francisco, CA 94105 USA
Tel (415) 957 9445 Fax (415) 957 9096
www.arup.com

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
THIS DRAWING WAS LAST MODIFIED: 08/08/22 17:49, BY: erobinso				

REFERENCE INFORMATION & FILE NO. OF SURVEYS

BUREAU OF ENGINEERING
CITY & COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
30 VAN NESS AVENUE, 5TH FLOOR
SAN FRANCISCO, CA 94102 - 8028

Acting Section Mgr:	Date:
Deputy Bureau Mgr:	
Acting Bureau Mgr:	

DESIGNED:	DATE:
DRAWN:	DATE:
CHECKED:	DATE:

SCALE:
1"=10'
SHEET OF SHEETS
OF

**MINNA NATOMA
STREETSCAPE PROJECT**

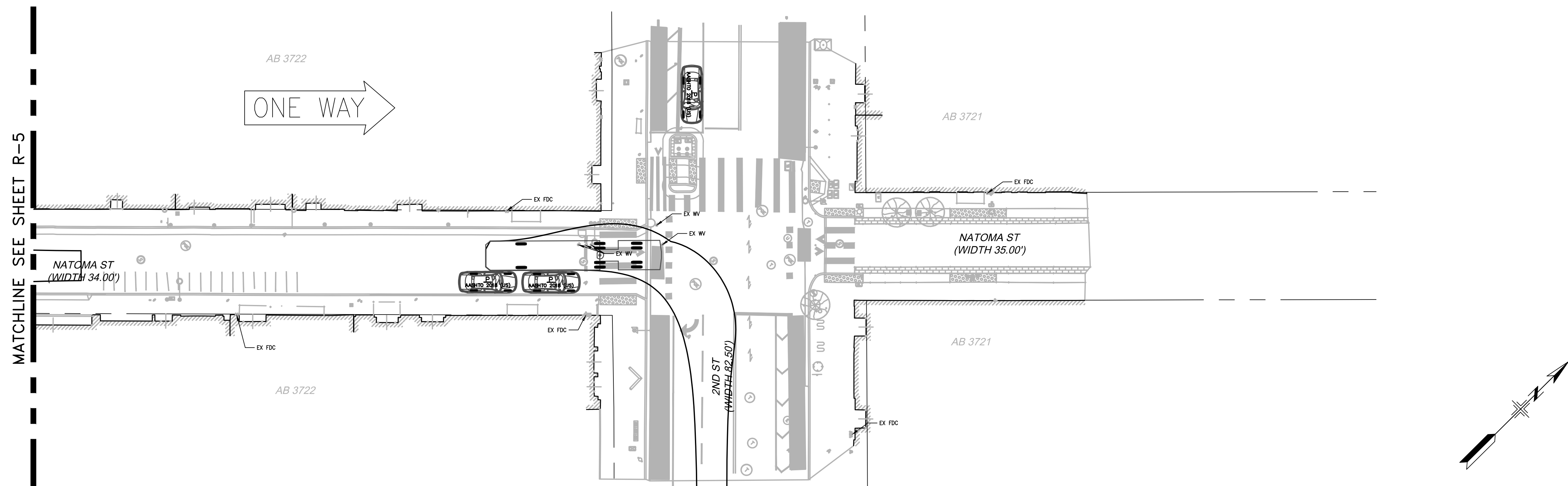
**ROADWAY PLAN
NATOMA ST BTWN NEW MONTGOMERY & 2ND ST**

CONTRACT NO.	X
DRAWING NO.	SKETCH
FILE NO.	
REV. NO.	1

Drawing Path: I:\T_E_FILES\LiveableStreets\1.0 Team Shamon\Projects\SODA Streetscape - Minna Natoma\Design\Natoma Turning\..._BASE.dwg
 Plot Time: Wed, 26 Oct 2022 - 2:51 pm
 Model Units: Feet

DRAFT Existing Turn - SFFD Ladder

2021-01-12



MATCHLINE SEE SHEET R-5

ARUP
 Arup North America Ltd.
 560 Mission Street, Suite 700
 San Francisco, CA 94105 USA
 Tel (415) 957 9446 Fax (415) 957 9096
 www.arup.com

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
THIS DRAWING WAS LAST MODIFIED: 02/11/21 18:09, BY: alton.cannon				

REFERENCE INFORMATION
 & FILE NO. OF SURVEYS



BUREAU OF ENGINEERING
 CITY & COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
 30 VAN NESS AVENUE, 5TH FLOOR
 SAN FRANCISCO, CA 94102 - 6028

Acting Section Mgr:	Date:
Deputy Bureau Mgr:	
Acting Bureau Mgr:	

DESIGNED: DATE:	A.CANNON 1/2021
DRAWN: DATE:	
CHECKED: DATE:	

SCALE:
 1"=20'
 SHEET OF SHEETS
 OF

**MINNA NATOMA
 STREETScape PROJECT**

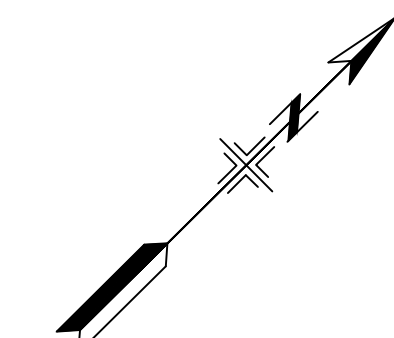
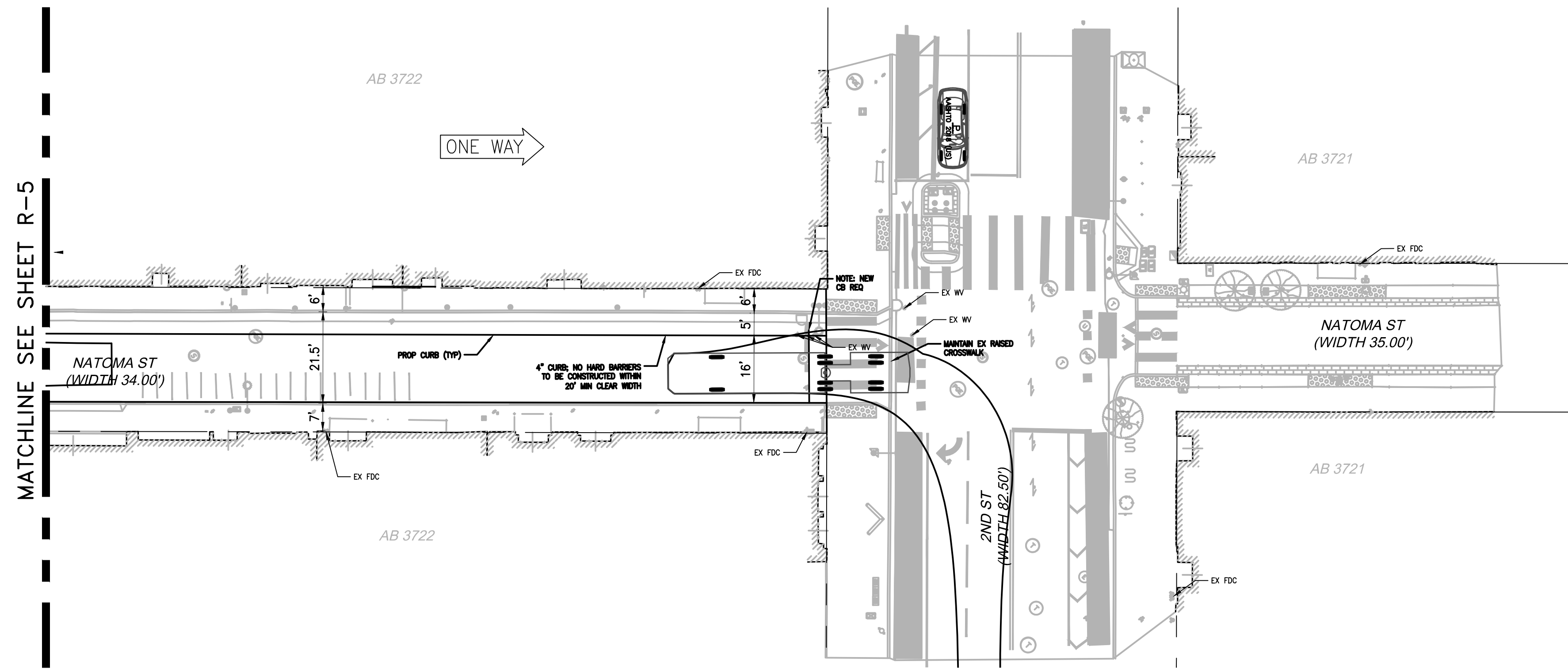
**CONCEPT LAYOUT
 NATOMA ST. AT NEW MONTGOMERY ST.**

CONTRACT NO.	X
DRAWING NO.	R-6
FILE NO.	
REV. NO.	0

Drawing Path: \\global.arup.com\americas\jobs\S-F\270000\278192-00\4 Internal Project Data\4-03 Drawings\2 Bimark\Bimark\BASE_Minna-Natoma-EXTURN.dwg, Login: \\files.arup.com\Bimark\Bimark.dwg
 Plot Time: Fri, 12 Feb 2021 11:30:49m
 Model Units: Feet
 Measurement Units are English
 \LBASE\w\B\T\turn Templates.dwg
 \SFPW_ARUP_TB_L22X34_MIN-NAT.dwg

DRAFT Proposed Turn - SFFD Ladder

2021-03-10



ARUP
 Arup North America Ltd.
 560 Mission Street, Suite 700
 San Francisco, CA 94105 USA
 Tel (415) 957 9446 Fax (415) 957 9096
 www.arup.com

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
THIS DRAWING WAS LAST MODIFIED: 03/09/21 18:24, BY: alton.cannon				

REFERENCE INFORMATION
& FILE NO. OF SURVEYS



BUREAU OF ENGINEERING
 CITY & COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
 30 VAN NESS AVENUE, 5TH FLOOR
 SAN FRANCISCO, CA 94102 - 6028

Acting Section Mgr:	Date:
Deputy Bureau Mgr:	
Acting Bureau Mgr:	

DESIGNED: DATE:	A.CANNON 3/2021
DRAWN: DATE:	
CHECKED: DATE:	

SCALE:
 1"=20'
 SHEET OF SHEETS
 OF

**MINNA NATOMA
 STREETScape PROJECT**

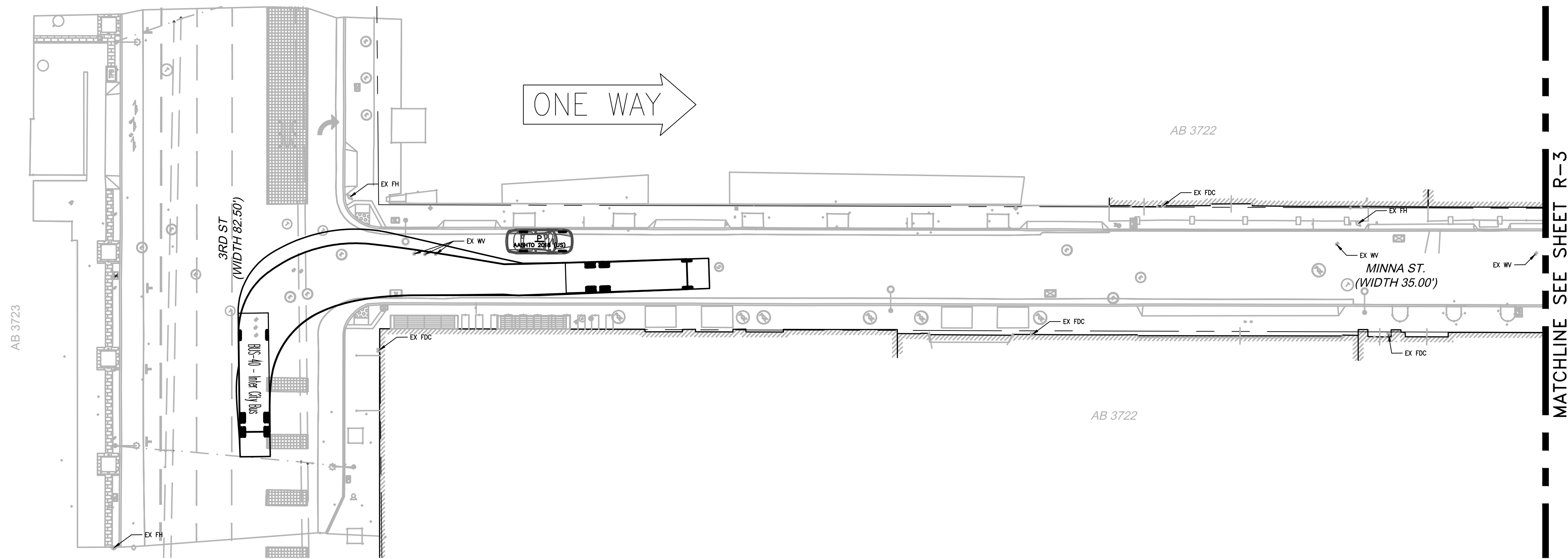
**CONCEPT LAYOUT
 NATOMA ST. AT NEW MONTGOMERY ST.**

CONTRACT NO.	X
DRAWING NO.	R-6
FILE NO.	
REV. NO.	0

Drawing Path: \\global.arup.com\americas\jobs\S-F\270000\278192-00\4 Internal Project Data\4-03 Drawings\2. Bimetric\Bases\BASE_Minna-Natoma_V3.dwg, Login: alton.cannon@arup.com, MINNATOMA.dwg
 Plot Time: Tue, 09 Mar 2021 6:55pm
 Model Units: Feet

DRAFT Existing Turn - Intercity Bus

2021-01-12



ARUP

Arup North America Ltd.
560 Mission Street, Suite 700
San Francisco, CA 94105 USA
Tel (415) 957 9446 Fax (415) 957 9096
www.arup.com

REFERENCE INFORMATION
& FILE NO. OF SURVEYS



BUREAU OF ENGINEERING
CITY & COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
30 VAN NESS AVENUE, 5TH FLOOR
SAN FRANCISCO, CA 94102 - 6028

Acting Section Mgr:	Date:
Deputy Bureau Mgr:	
Acting Bureau Mgr:	

DESIGNED:	DATE:
A. CANNON	1/2021
DRAWN:	DATE:
CHECKED:	DATE:

SCALE:
1"=20'
SHEET OF SHEETS
OF

MINNA NATOMA
STREETSCAPE PROJECT
CONCEPT LAYOUT
MINNA ST, AT 3RD ST.

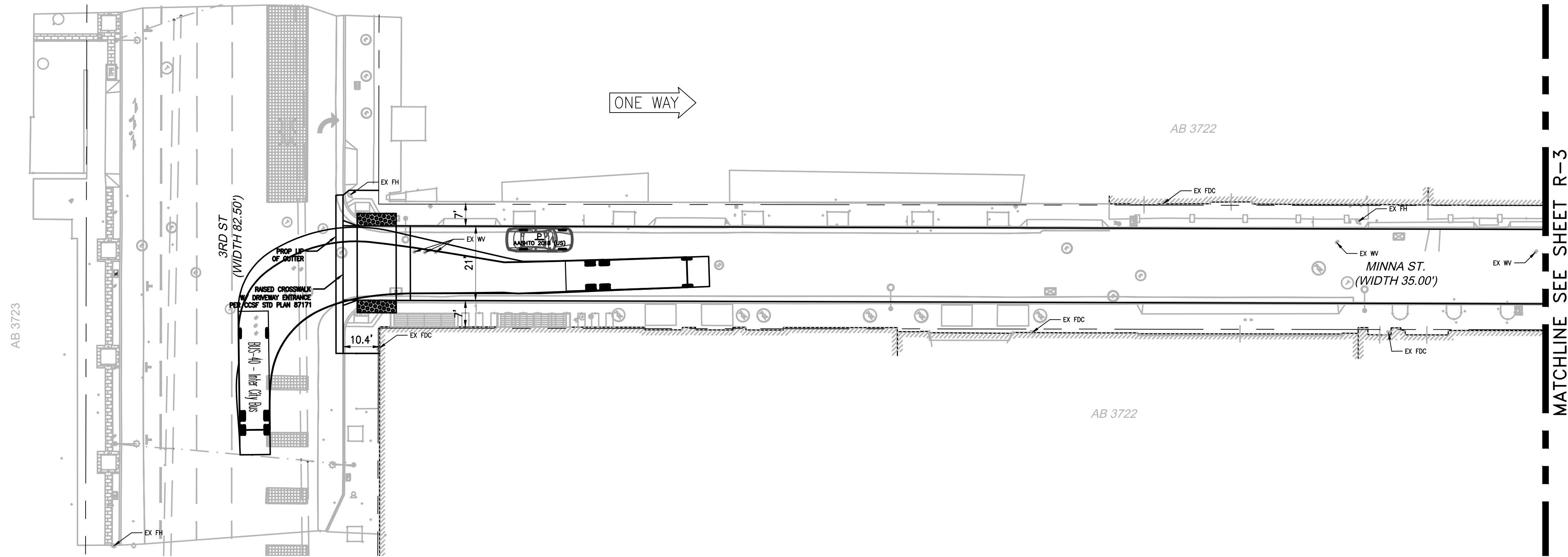
CONTRACT NO.	X
DRAWING NO.	R-2
FILE NO.	
REV. NO.	0

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
THIS DRAWING WAS LAST MODIFIED: 02/11/21 18:09, BY: alton.cannon				

Drawing Path: \\global.arup.com\americas\jobs\S-F\270000\278192-00\4 Internal Project Data\4-03 Drawings\2_Bimark\01\01\BASE\Minna-Natoma-EXTURN.dwg, Login: \\global.arup.com\americas\jobs\S-F\270000\278192-00\4 Internal Project Data\4-03 Drawings\2_Bimark\01\01\BASE\Minna-Natoma-EXTURN.dwg, Model Units: Feet
 Plot Time: Fri, 12 Feb 2021 12:28pm

DRAFT Proposed Turn - Intercity Bus

2021-03-10



ARUP

Arup North America Ltd.
560 Mission Street, Suite 700
San Francisco, CA 94105 USA
Tel (415) 957 9446 Fax (415) 957 9096
www.arup.com

REFERENCE INFORMATION
& FILE NO. OF SURVEYS



BUREAU OF ENGINEERING
CITY & COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
30 VAN NESS AVENUE, 5TH FLOOR
SAN FRANCISCO, CA 94102 - 6028

Date:	DESIGNED: DATE:
Acting Section Mgr:	A.CANNON 3/2021
Deputy Bureau Mgr:	DRAWN: DATE:
Acting Bureau Mgr:	CHECKED: DATE:

SCALE:
1"=20'
SHEET OF SHEETS
OF

MINNA NATOMA
STREETSCAPE PROJECT
CONCEPT LAYOUT
MINNA ST, AT 3RD ST.

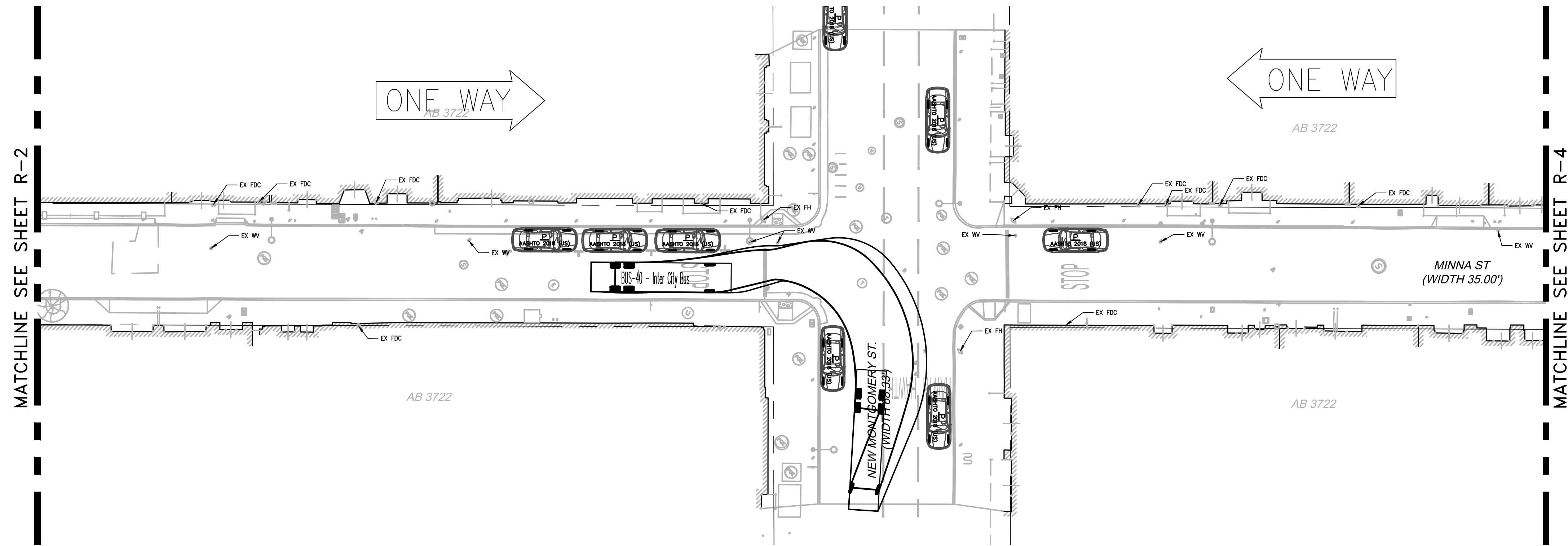
CONTRACT NO.	X
DRAWING NO.	R-2
FILE NO.	
REV. NO.	0

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
THIS DRAWING WAS LAST MODIFIED: 03/08/21 17:59, BY: alton.cannon				

Drawing Path: \\global.arup.com\americas\jobs\S-F\270000\278192-00\4 Internal Project Data\4-03 Drawings\2_Bim\sketch\BASE_Minna-Natoma_V3.dwg, Login: alton.cannon, Date: 03/08/21 17:59
 Model Units: Feet
 Plot Time: Tue, 09 Mar 2021 16:44pm

DRAFT Existing Turn - Intercity Bus

2021-01-12



ARUP

Arup North America Ltd.
560 Mission Street, Suite 700
San Francisco, CA 94105 USA
Tel (415) 957 9446 Fax (415) 957 9096
www.arup.com

REFERENCE INFORMATION
& FILE NO. OF SURVEYS



BUREAU OF ENGINEERING
CITY & COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
30 VAN NESS AVENUE, 5TH FLOOR
SAN FRANCISCO, CA 94102 - 6028

Acting Section Mgr:	Date:
Deputy Bureau Mgr:	
Acting Bureau Mgr:	

DESIGNED:	DATE:
A.CANNON	1/2021
DRAWN:	DATE:
CHECKED:	DATE:

SCALE:
1"=20'
SHEET OF SHEETS
OF

MINNA NATOMA STREETSCAPE PROJECT
CONCEPT LAYOUT MINNA ST AT NEW MONTGOMERY

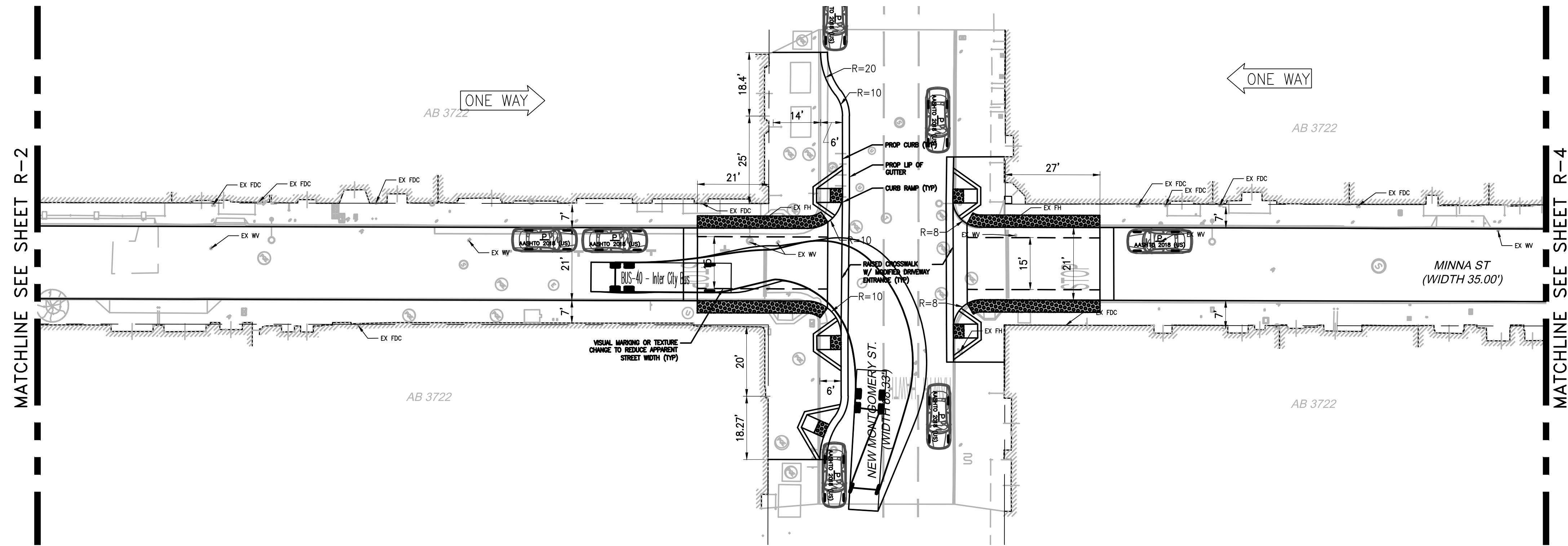
CONTRACT NO.	X
DRAWING NO.	R-3
FILE NO.	
REV. NO.	0

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
THIS DRAWING WAS LAST MODIFIED: 02/11/21 18:09, BY: alton.cannon				

Drawing Path: \\global.arup.com\americas\jobs\S-F\270000\278192-00\4 Internal Project Data\4-03 Drawings\2 Bimark\sketch\BASE_Minna-Natoma-EXTURN.dwg, Login: Jeffrey.Welton@arup.com
 Plot Time: Fri, 12 Feb 2021 2:29pm
 Model Units: Feet
 Measurement Units are English
 \LBASE\w\p\turn Templates.dwg
 \SFPW_ARUP_TB_L22X34_MIN-NAT.dwg

DRAFT Proposed Turn - Intercity Bus

2021-03-10



ARUP
 Arup North America Ltd.
 560 Mission Street, Suite 700
 San Francisco, CA 94105 USA
 Tel (415) 957 9446 Fax (415) 957 9096
 www.arup.com

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
THIS DRAWING WAS LAST MODIFIED: 03/08/21 17:59, BY: alton.cannon				



BUREAU OF ENGINEERING
 CITY & COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
 30 VAN NESS AVENUE, 5TH FLOOR
 SAN FRANCISCO, CA 94102 - 6028

Acting Section Mgr:	Date:	DESIGNED: DATE:
Deputy Bureau Mgr:		A.CANNON 3/2021
Acting Bureau Mgr:		DRAWN: DATE:
		CHECKED: DATE:

SCALE:	CONTRACT NO.
1"=20'	X
SHEET OF SHEETS	DRAWING NO.
OF	R-3
	FILE NO.
	REV. NO.
	0

MINNA NATOMA
 STREETScape PROJECT
 CONCEPT LAYOUT
 MINNA ST AT NEW MONTGOMERY

CONTRACT NO.	X
DRAWING NO.	R-3
FILE NO.	
REV. NO.	0

Drawing Path: \\global.arup.com\americas\jobs\S-F\270000\278192-00\4 Internal Project Data\4-03 Drawings\2 Bimark\0304\BASE_Minna-Natoma_V3.dwg, Login: alton.cannon, Date: 03/08/21 17:59, Plot Time: Tue, 09 Mar 2021 8:15pm
 Model Units: Feet

TransBASE Internal Dashboard

Geographic Extent: MINNA ST from 02ND ST to 03RD ST (0.27 miles/1411.07 feet)

Spatial Intersect: No Restriction (SFMTA 20ft/150ft Buffer)

Data Range: 10/01/2015 to 09/30/2020

Pull Date: 2/23/2021

Geographic Extent



TransBASE Internal Dashboard

Geographic Extent: MINNA ST from 02ND ST to 03RD ST (0.27 miles/1411.07 feet)

Spatial Intersect: No Restriction (SFMTA 20ft/150ft Buffer)

Data Range: 10/01/2015 to 09/30/2020

Pull Date: 2/23/2021

Collision/Party/Victim Table

Showing 1 to 10 of 10 entries

Count of Fatal Collisions: 0

Count of Non-Fatal Injury Collisions: 10

Total Count of Fatal/Non-Fatal Injury Collisions: 10

Case ID	Collision Date	Collision Time	Day of Week	Primary Road	Secondary Road	Distance	Direction	Party 1 Type	Party 1 Direction of Travel	Party 1 Movement Preceding Crash	Party 2 Type	Party 2 Direction of Travel	Party 2 Movement Preceding Crash	Vehicle Code Violation	Highest Degree of Injury	Type of Collision	Motor Vehicle Involved With	Weather	Lighting
180951155	12/18/2018	11:50	Tuesday	03RD ST	MINNA ST	0	Not Stated	Driver	East	Other Unsafe Turning	Driver	North	Proceeding Straight	CVC 22107	Injury (Complaint of Pain)	Broadside	Other Motor Vehicle	Clear	Daylight
180710199	09/19/2018	11:50	Wednesday	02ND ST	MINNA ST	5	South	Driver	North	Stopped In Road	Bicyclist	North	Proceeding Straight	CVC 22517	Injury (Complaint of Pain)	Other	Bicycle	Clear	Daylight
180354101	05/12/2018	13:09	Saturday	NEW MONTGOMERY ST	MINNA ST	0	Not Stated	Driver	Not Stated	Proceeding Straight	Driver	South	Stopped In Road	CVC 22350	Injury (Complaint of Pain)	Rear End	Other Motor Vehicle	Clear	Daylight
170601279	07/24/2017	08:27	Monday	NEW MONTGOMERY ST	MINNA ST	0	Not Stated	Driver	West	Making Right Turn	Bicyclist	South	Proceeding Straight	CVC 22107	Injury (Complaint of Pain)	Broadside	Bicycle	Clear	Daylight
170468869	06/08/2017	13:26	Thursday	NEW MONTGOMERY ST	MINNA ST	0	Not Stated	Driver	South	Making Right Turn	Parked Vehicle	Not Stated	Parked	CVC 22107	Injury (Complaint of Pain)	Hit Object	Other Motor Vehicle	Raining	Daylight
170095280	02/03/2017	08:10	Friday	MINNA ST	03RD ST	158	East	Driver	West	Proceeding Straight	Driver	East	Making Left Turn	CVC 21657	Injury (Complaint of Pain)	Head-On	Other Motor Vehicle	Clear	Daylight
170016383	01/18/2017	19:29	Wednesday	NEW MONTGOMERY ST	MINNA ST	10	South	Driver	South	Parked	Bicyclist	South	Proceeding Straight	CVC 22517	Injury (Complaint of Pain)	Hit Object	Bicycle	Cloudy	Dark - Street Lights
160323386	04/20/2016	08:00	Wednesday	NEW MONTGOMERY ST	MINNA ST	0	Not Stated	Pedestrian	East	Proceeding Straight	Driver	East	Making Left Turn	CVC 21954(a)	Injury (Complaint of Pain)	Vehicle/ Pedestrian	Pedestrian	Clear	Daylight
160290462	04/08/2016	19:04	Friday	03RD ST	MINNA ST	0	Not Stated	Driver	North	Making Right Turn	Bicyclist	North	Proceeding Straight	CVC 22107	Injury (Other Visible)	Broadside	Bicycle	Cloudy	Daylight
150865592	10/02/2015	22:08	Friday	NEW MONTGOMERY ST	MINNA ST	0	Not Stated	Driver	South	Entering Traffic	Pedestrian	Not Stated	Not Stated	CVC 21954(b)	Injury (Complaint of Pain)	Vehicle/ Pedestrian	Pedestrian	Clear	Dark - Street Lights

TransBASE Internal Dashboard

Geographic Extent: MINNA ST from 02ND ST to 03RD ST (0.27 miles/1411.07 feet)

Spatial Intersect: No Restriction (SFMTA 20ft/150ft Buffer)

Data Range: 10/01/2015 to 09/30/2020

Pull Date: 2/23/2021

Metadata Information

Collision Filters

Database Source: TransBASESF.org
Database Pull Date: 2/23/2021
Collision Level: Injury Collisions
Boundary: MINNA ST from 02ND ST to 03RD ST (0.27 miles/1411.07 feet)
Collision Dates: 10/01/2015 to 09/30/2020
Collision Month Filter(s): No Restrictions
Collision Distance: Any Distance
Collision Severity Filter(s): No Restrictions
Primary Collision Factor Filter(s): No Restrictions
Collision Type Filter(s): No Restrictions
Intersection/Midblock: No Restriction (SFMTA 20ft/150ft Buffer)

Party Filters

Party Involved Type: No Restrictions
Party Involved Gender: No Restrictions
Party Involved at Fault: No Restrictions
Party Involved Age: No Restriction
Party Involved Sobriety: No Restrictions
Party Involved Condition: No Restrictions
Party Involved Direction of Travel: No Restrictions
Party Involved Safety Equipment 1: No Restrictions
Party Involved Safety Equipment 2: No Restrictions
Party Involved Insurance: No Restrictions
Party Involved Other Associated Factors : No Restrictions
Party Involved Movement Preceding Collision: No Restrictions
Party Involved Vehicle Type: No Restrictions
Party Involved Race: No Restrictions
Party Involved Special Info: No Restrictions

Victim Filters

Victim Involved Role: No Restrictions
Victim Involved Degree of Injury: No Restrictions
Victim Involved Age: No Restriction
Victim Involved Seating Position: No Restrictions
Victim Involved Safety Equipment: No Restrictions
Victim Involved Ejected: No Restrictions

Environmental Filters

Nearest Traffic Control: No Restriction
Intersecting Speed Limit: No Restriction
Intersecting Network: No Restriction
Intersecting Street Class: No Restriction
Weather Description: No Restrictions
Lighting Description: No Restrictions

TransBASE Internal Dashboard

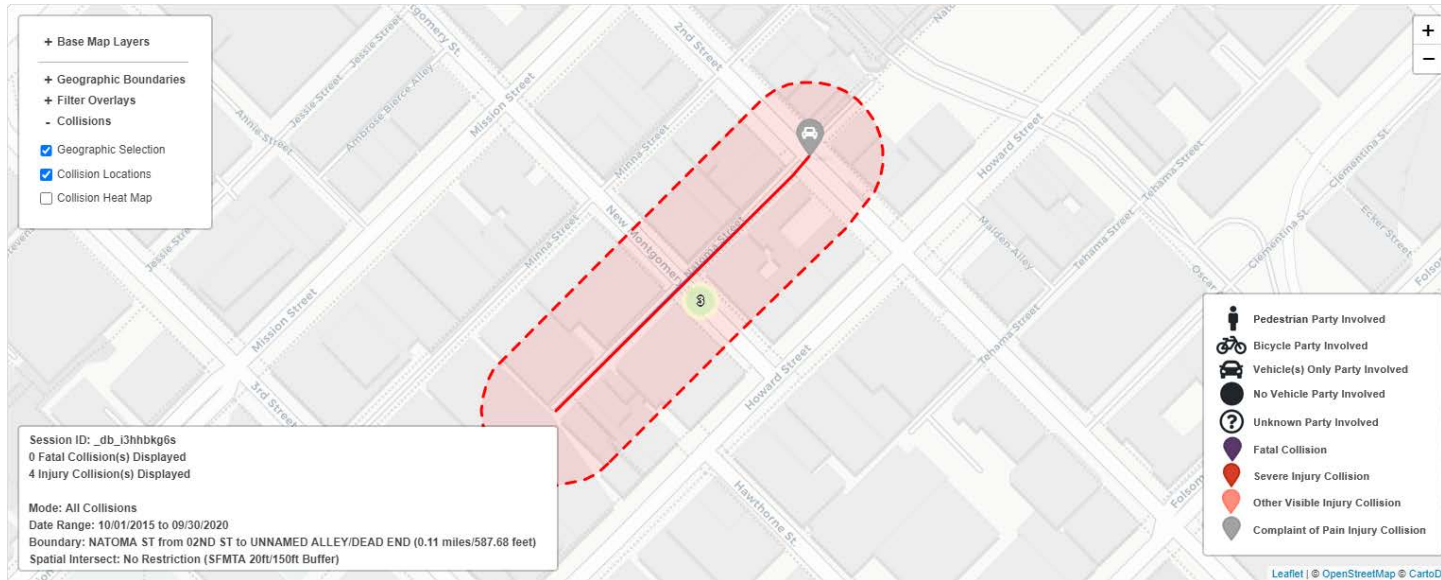
Geographic Extent: NATOMA ST from 02ND ST to UNNAMED ALLEY/DEAD END (0.11 miles/587.68 feet)

Spatial Intersect: No Restriction (SFMTA 20ft/150ft Buffer)

Data Range: 10/01/2015 to 09/30/2020

Pull Date: 2/23/2021

Geographic Extent



TransBASE Internal Dashboard

Geographic Extent: NATOMA ST from 02ND ST to UNNAMED ALLEY/DEAD END (0.11 miles/587.68 feet)

Spatial Intersect: No Restriction (SFMTA 20ft/150ft Buffer)

Data Range: 10/01/2015 to 09/30/2020

Pull Date: 2/23/2021

Collision/Party/Victim Table

Showing 1 to 4 of 4 entries

Count of Fatal Collisions: 0

Count of Non-Fatal Injury Collisions: 4

Total Count of Fatal/Non-Fatal Injury Collisions: 4

Case ID	Collision Date	Collision Time	Day of Week	Primary Road	Secondary Road	Distance	Direction	Party 1 Type	Party 1 Direction of Travel	Party 1 Movement Preceding Crash	Party 2 Type	Party 2 Direction of Travel	Party 2 Movement Preceding Crash	Vehicle Code Violation	Highest Degree of Injury	Type of Collision	Motor Vehicle Involved With	Weather	Lighting
190366259	05/22/2019	14:46	Wednesday	NEW MONTGOMERY ST	NATOMA ST	0	Not Stated	Other	North	Traveling Wrong Way	Driver	East	Making Left Turn	CVC 21657	Injury (Other Visible)	Head-On	Other Motor Vehicle	Clear	Daylight
180759062	10/07/2018	03:25	Sunday	NEW MONTGOMERY ST	NATOMA ST	0	Not Stated	Driver	West	Proceeding Straight	Driver	South	Making Left Turn	CVC 22350	Injury (Complaint of Pain)	Broadside	Other Motor Vehicle	Clear	Dark - Street Lights
170143873	02/19/2017	16:46	Sunday	NEW MONTGOMERY ST	HOWARD ST	97	West	Driver	South	Proceeding Straight	Driver	South	Stopped In Road	CVC 23153(a)	Injury (Complaint of Pain)	Rear End	Other Motor Vehicle	Clear	Daylight
160240025	03/22/2016	17:01	Tuesday	02ND ST	NATOMA ST	0	Not Stated	Driver	South	Proceeding Straight	Driver	East	Making Left Turn	CVC Unknown	Injury (Complaint of Pain)	Broadside	Other Motor Vehicle	Clear	Daylight

TransBASE Internal Dashboard

Geographic Extent: NATOMA ST from 02ND ST to UNNAMED ALLEY/DEAD END (0.11 miles/587.68 feet)

Spatial Intersect: No Restriction (SFMTA 20ft/150ft Buffer)

Data Range: 10/01/2015 to 09/30/2020

Pull Date: 2/23/2021

Metadata Information

Collision Filters

Database Source: TransBASESF.org
Database Pull Date: 2/23/2021
Collision Level: Injury Collisions
Boundary: NATOMA ST from 02ND ST to UNNAMED ALLEY/
DEAD END (0.11 miles/587.68 feet)
Collision Dates: 10/01/2015 to 09/30/2020
Collision Month Filter(s): No Restrictions
Collision Distance: Any Distance
Collision Severity Filter(s): No Restrictions
Primary Collision Factor Filter(s): No Restrictions
Collision Type Filter(s): No Restrictions
Intersection/Midblock: No Restriction (SFMTA 20ft/150ft Buffer)

Party Filters

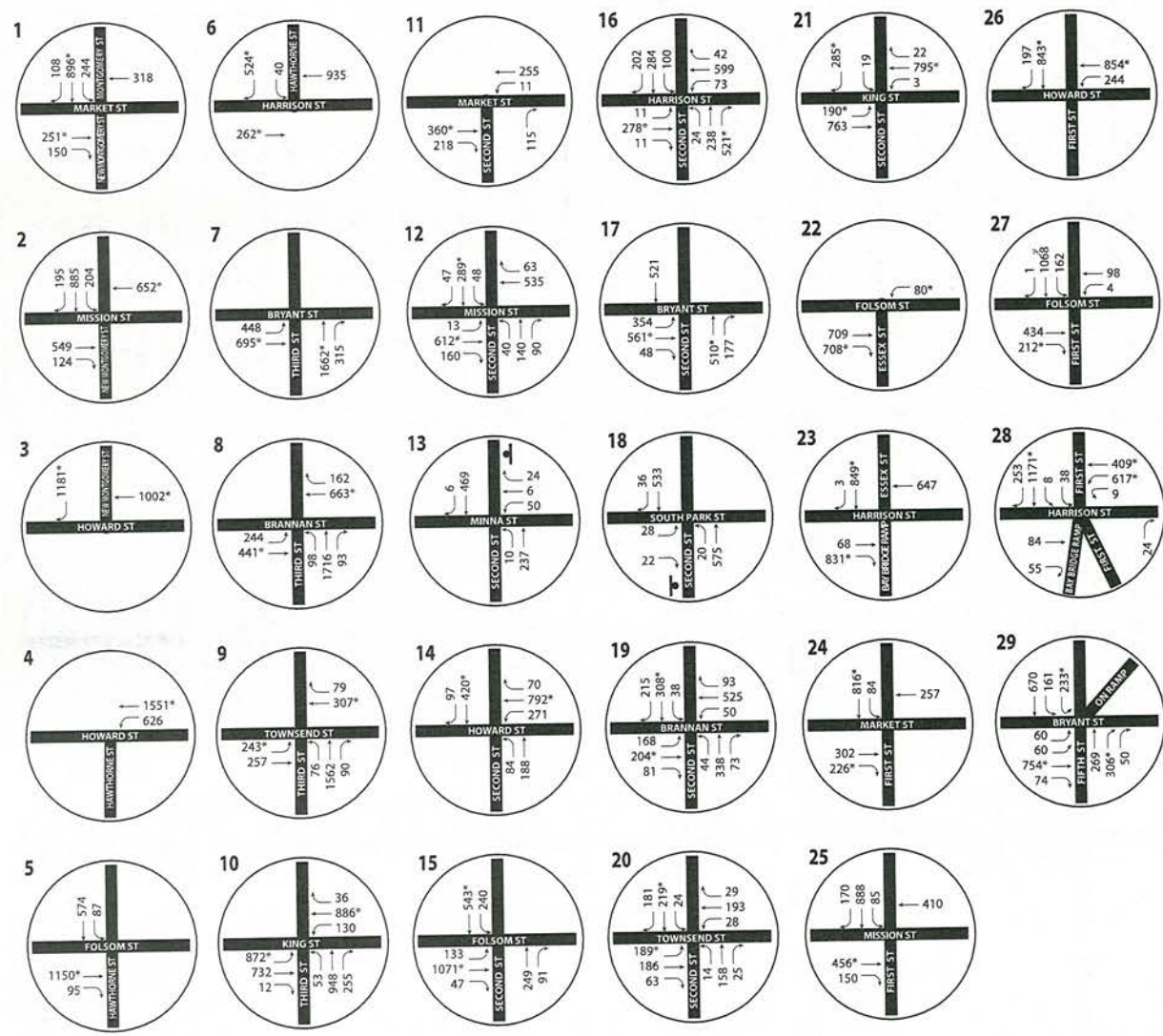
Party Involved Type: No Restrictions
Party Involved Gender: No Restrictions
Party Involved at Fault: No Restrictions
Party Involved Age: No Restriction
Party Involved Sobriety: No Restrictions
Party Involved Condition: No Restrictions
Party Involved Direction of Travel: No Restrictions
Party Involved Safety Equipment 1: No Restrictions
Party Involved Safety Equipment 2: No Restrictions
Party Involved Insurance: No Restrictions
Party Involved Other Associated Factors : No Restrictions
Party Involved Movement Preceding Collision: No Restrictions
Party Involved Vehicle Type: No Restrictions
Party Involved Race: No Restrictions
Party Involved Special Info: No Restrictions

Victim Filters

Victim Involved Role: No Restrictions
Victim Involved Degree of Injury: No Restrictions
Victim Involved Age: No Restriction
Victim Involved Seating Position: No Restrictions
Victim Involved Safety Equipment: No Restrictions
Victim Involved Ejected: No Restrictions

Environmental Filters

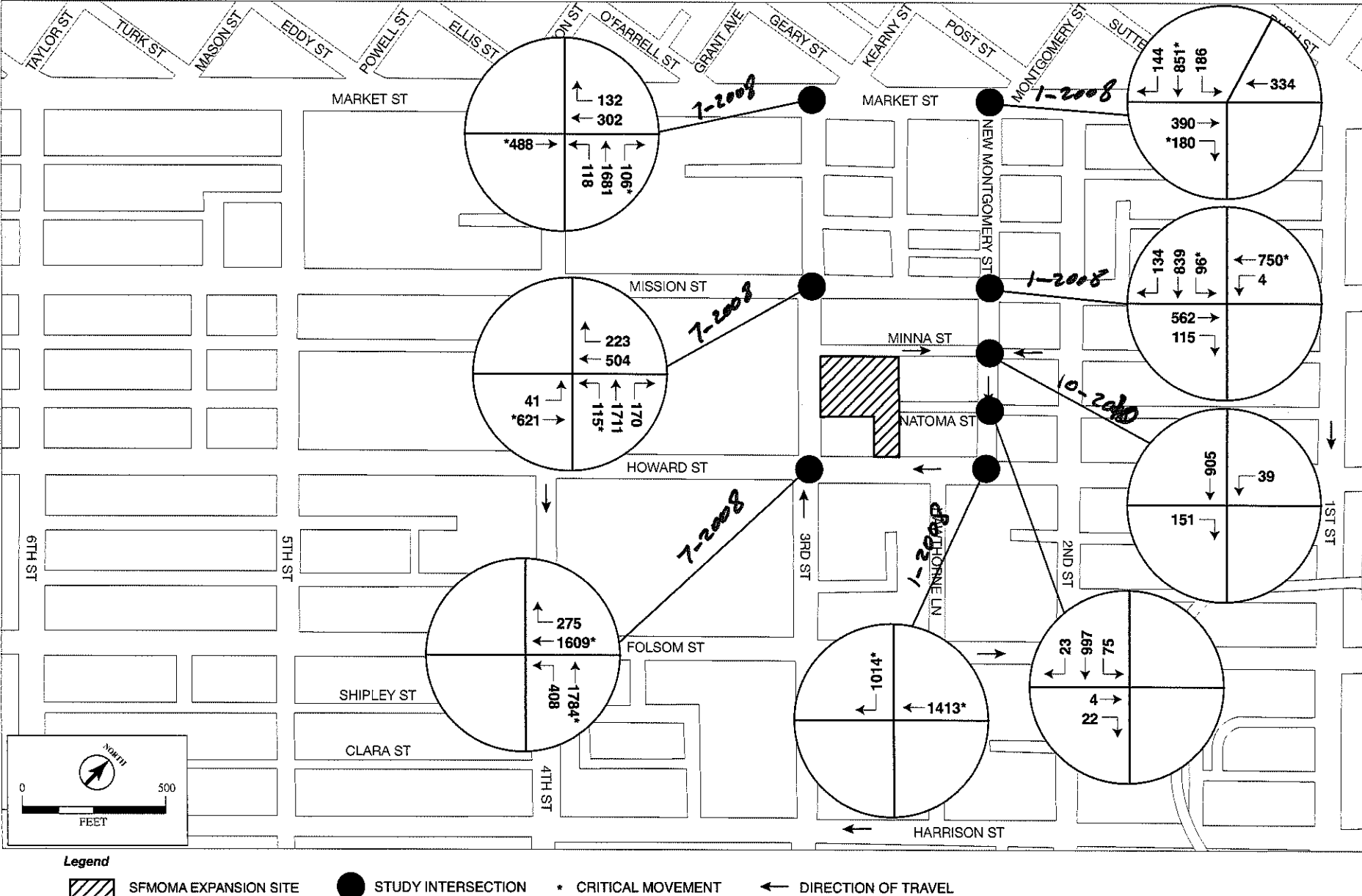
Nearest Traffic Control: No Restriction
Intersecting Speed Limit: No Restriction
Intersecting Network: No Restriction
Intersecting Street Class: No Restriction
Weather Description: No Restrictions
Lighting Description: No Restrictions



Second Street Cycle Track Transportation Impact Study



Figure 4
Study Intersections - Existing Turning Movements

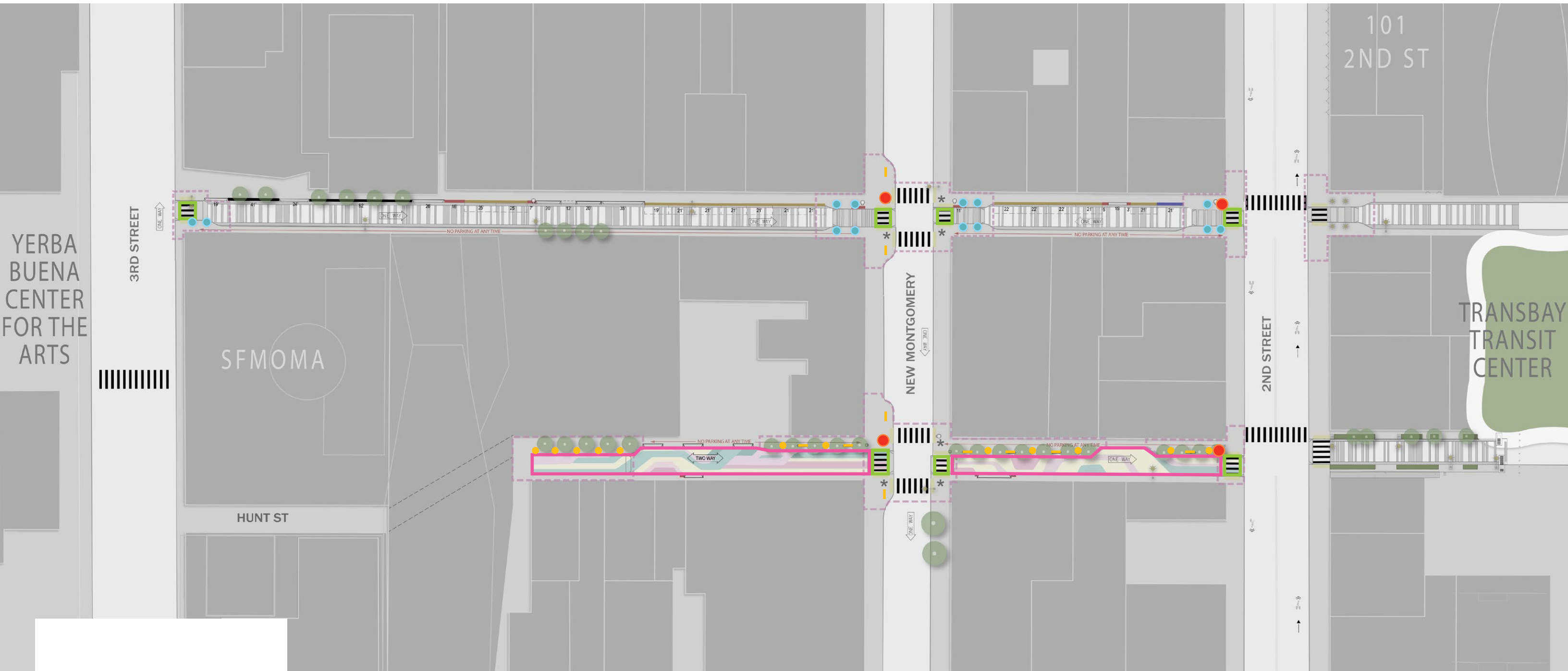


LCW CONSULTING

SFMOMA EXPANSION AND FIRE STATION RELOCATION AND HOUSING PROJECT TRANSPORTATION STUDY

FIGURE 7: EXISTING TRAFFIC VOLUMES - WEEKDAY PM PEAK HOUR
SFMOMA EXPANSION VICINITY

PUBLIC REALM ART OPPORTUNITIES



LEGEND

- Roadway Paving Mural
- Decorative Crosswalk
- — Human-scale Furnishings (Bollard, Leaning Rail, Bike Rack, Bench)
- Vertical Gateway Element
- Pedestrian Scale Light (if Non-SFPUC Standard)

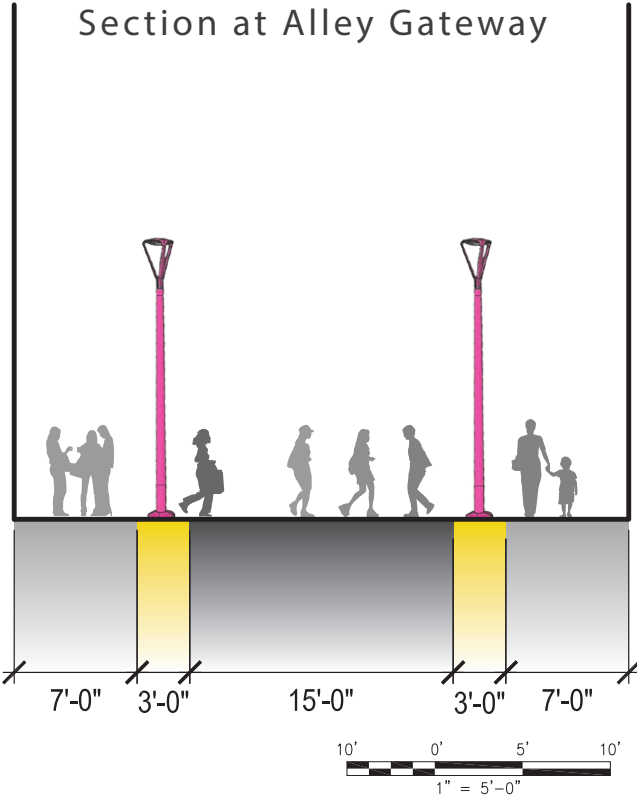
Note:

Locations and quantities of elements shown are for conceptual purposes only and would need to be designed in coordination with other project elements/infrastructure such as tree plantings and traffic signals.



Minna Natoma Art Corridors
August 2020

Concept: Minna Enlargement and Details



LIGHTED BOLLARDS

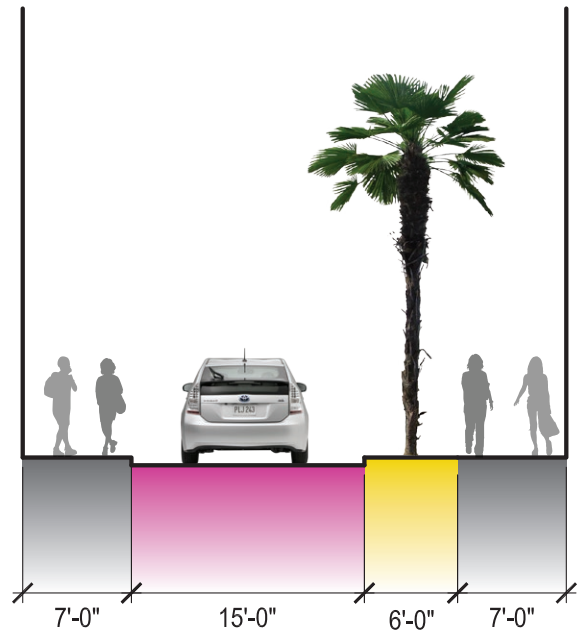


VERTICAL GATEWAY ELEMENT/LIGHT

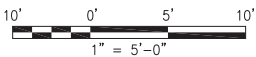
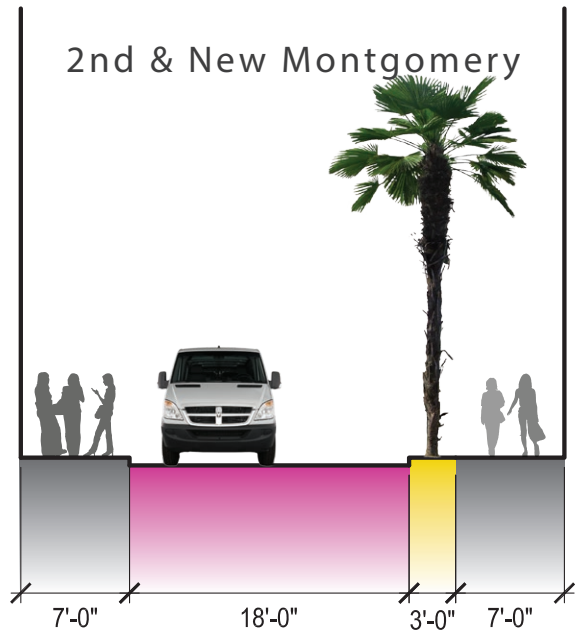
New "Alley Gateway" with Signalized Crossing

CONCEPT: Natoma Enlargement and Details

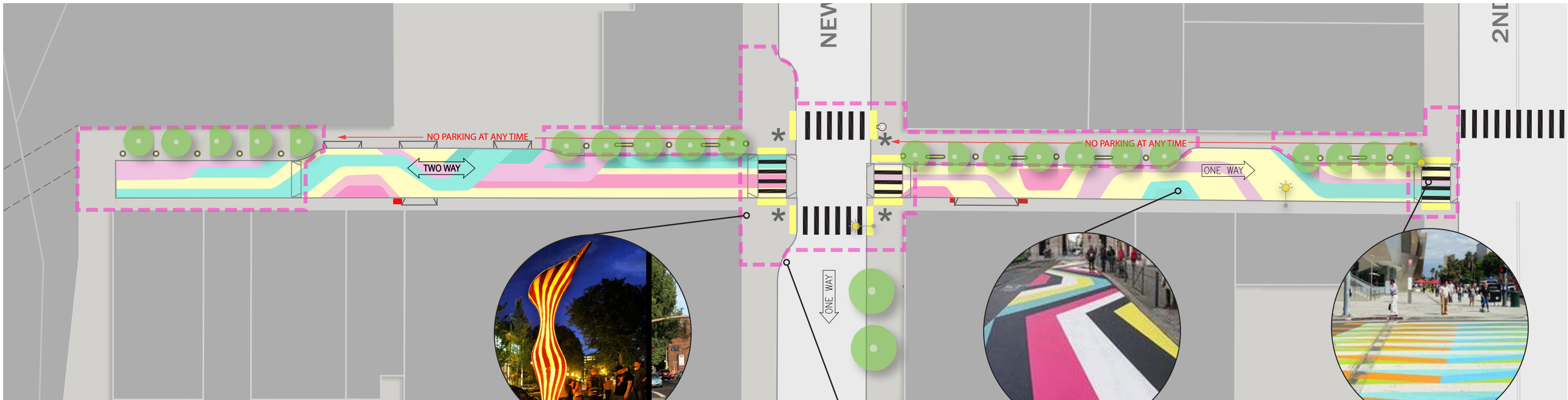
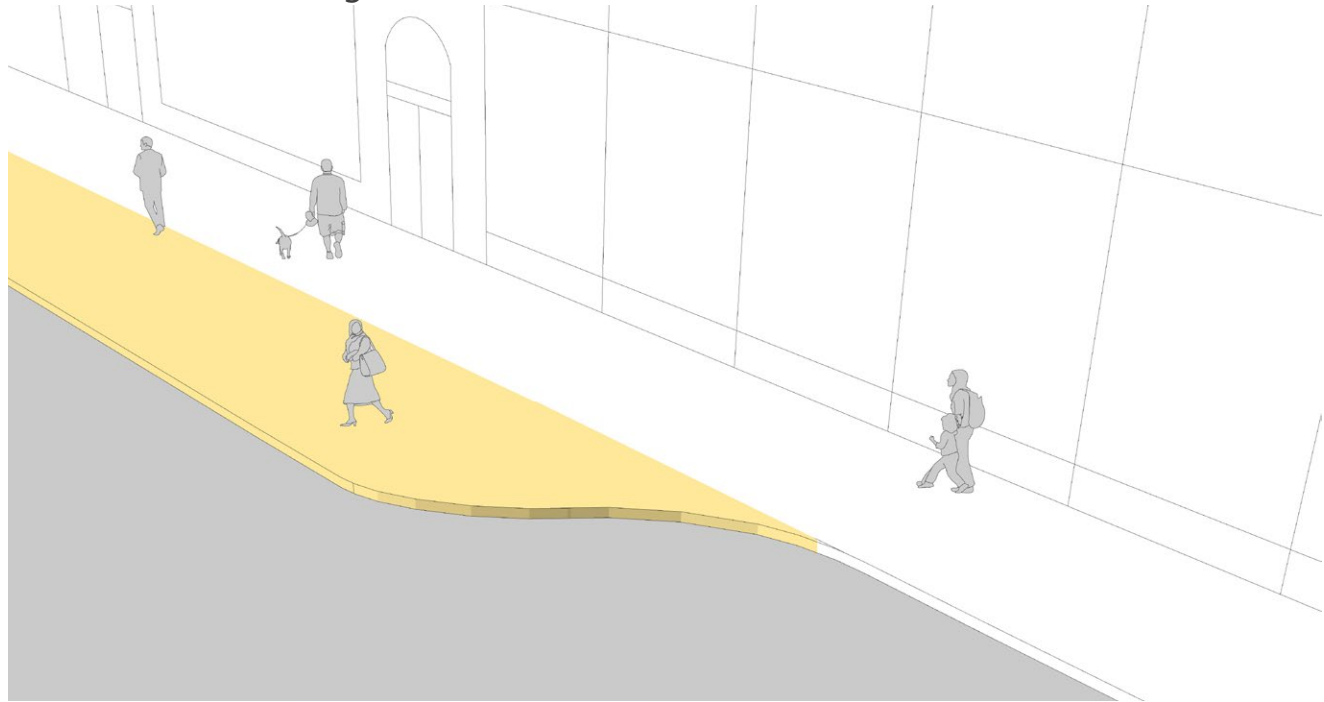
Section at Natoma @ SFMOMA



Section at Natoma between
2nd & New Montgomery



Sidewalk Widening



VERTICAL GATEWAY ELEMENT/LIGHT



PAVING MURAL



DECORATIVE CROSSWALKS

New "Alley Gateway" with Signalized Crossing