

LINDEN AVENUE PHASE 2 AND SPRUCE AVENUE
TRAFFIC CALMING IMPROVEMENTS PROJECT - ATP
LINDEN AVENUE BETWEEN MILLER AVENUE AND CALIFORNIA AVENUE
SPRUCE AVENUE BETWEEN TAMARACK LANE AND MAPLE AVENUE
IN SOUTH SAN FRANCISCO

PROJECT NO. ST1602, BID NO. 2640

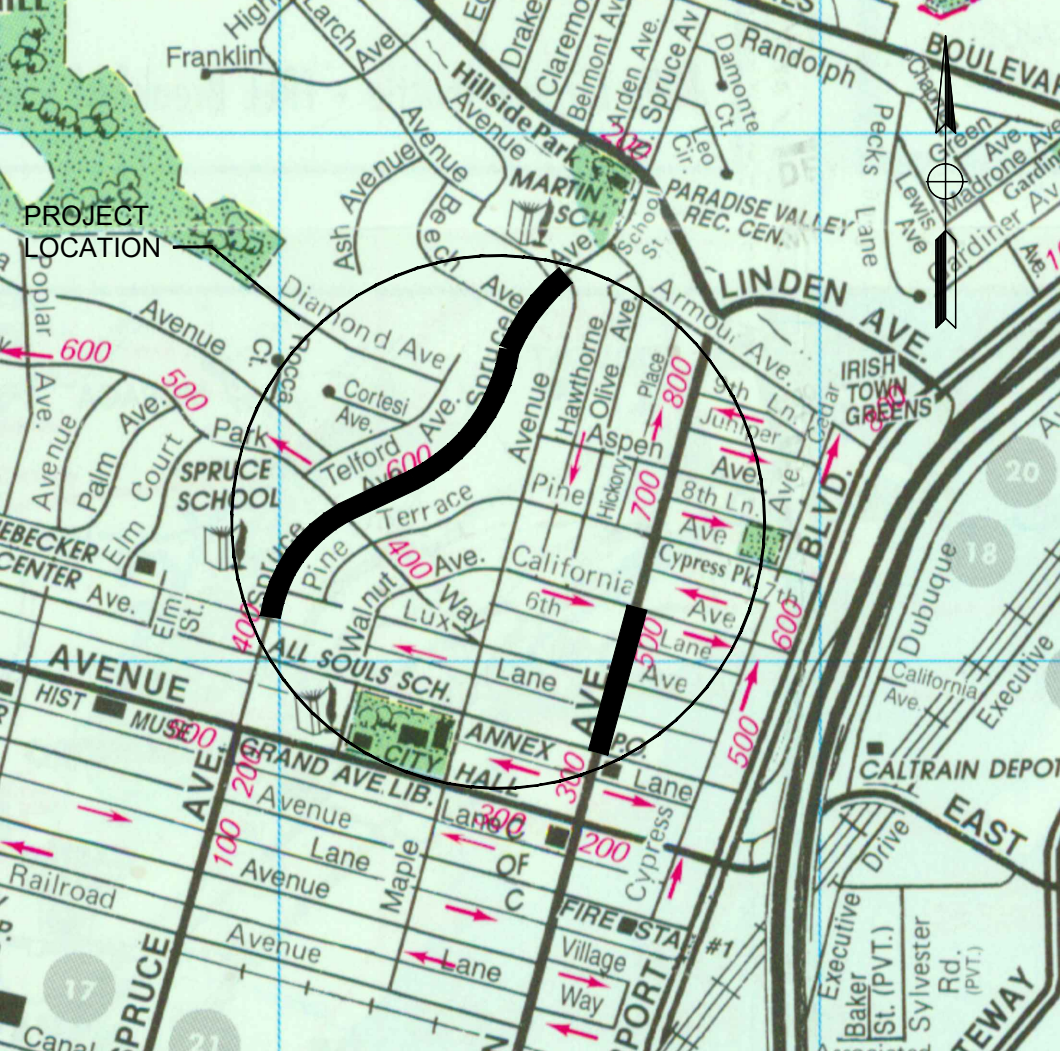
FEDERAL AID PROJECT NO. ATPL-5177(037)

TO BE SUPPLEMENTED BY STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD PLANS DATED 2015



MAP SOURCE: COMPASS MAPS 2002

VICINITY MAP
NO SCALE



MAP SOURCE: COMPASS MAPS 2002

LOCATION MAP
NO SCALE

REVISIONS			
NO.	DESCRIPTION	DATE	BY

REGISTERED PROFESSIONAL ENGINEER

MICHAEL K. COOPER

No. 29072

Exp. 3/31/2021

CIVIL

STATE OF CALIFORNIA

Michael Cooper

03/05/2020

REGISTERED CIVIL ENGINEER

DATE

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CITY OF SOUTH SAN FRANCISCO

PUBLIC WORKS DEPARTMENT

315 MAPLE AVENUE

SOUTH SAN FRANCISCO, CA 94080

MARK THOMAS

3000 OAK ROAD, SUITE 650

WALNUT CREEK, CA 94597

TEL: (925)938-0383

BID SUBMITTAL

DESIGNED BY: S. LEE

DRAWN BY: N. ENG

CHECKED BY: M. COOPER

PROJECT No.: SJ-17123

DATE: 03/05/2020

LINDEN AVENUE PHASE 2 AND SPRUCE AVENUE TRAFFIC CALMING IMPROVEMENTS PROJECT - ATP

TITLE SHEET

NO SCALE

T-1

SHEET

01

OF

56

ENGINEERING DIVISON

APPROVED FOR BIDDING

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By: Matthew Ruble

Date: 03/05/2020

CAD USER: jefre
PLOT DATE: Mar 05, 2020 12:20pm
FILE NAME: LCA_Prop.dwg
Path: J:\SSP-5-07723-Under Avenue and Spruce Avenue\CAD\DWG\Chen's\Under & Spruce Phase 2\

ABBREVIATIONS:

AB	AGGREGATE BASE	FS	FIRE SERVICE
Abn	ABANDON	F/W, FOW	FACE OF SIDEWALK
AC	ASPHALT CONCRETE	G	GAS LINE
ACP	ASBESTO CEMENT PIPE	GB	GRADE BREAK
Adj	ADJUST	GP	GRADING PLANE
AP	ANGLE POINT	GV	GATE VALVE
ARV	AIR RELEASE VALVE	HB	HORIZONTAL BEND
AS	AGGREGATE SUBBBASE	HC	HANDICAPPED
Ave	AVENUE	HDPE	HIGH DENSITY POLYETHYLENE
Beg	BEGIN	HMA	HOT MIX ASPHALT
BC	BEGIN HORIZONTAL CURVE	HP	HIGH PRESSURE/HINGE POINT/HIGH POINT
BFP	BACKFLOW PREVENTER	HW	HEADWALL
BIO	BIOFILTRATION	IC	INTERCONNECT/
B/L	BIKE LANE		IRRIGATION CONTROLLER
Blvd	BOULEVARD	Inv	INVERT OF PIPE
BM	BENCHMARK	IRRIG, Irr	IRRIGATION
BP	BYPASS	JP	JOINT POLE
Buf	BUFFER	Jt	JOINT TRENCH
BVC	BEGIN VERTICAL CURVE	LF	LINEAR FOOT
B/W, BW, BOW	BACK OF SIDEWALK	LOL	LAYOUT LINE
CA	CABLE	LP	LOW POINT
CB	CATCH BASIN	LS	LANDSCAPE
CDF	CONTROLLED DENSITY BACKFILL	Lt	LEFT
CI	CAST IRON	Max	MAXIMUM
CIPCP	CAST-IN-PLACE CONCRETE PIPE	Med	MEDIAN
C&G	CURB & GUTTER	MH	MANHOLE
CI	CLASS	Min	MINIMUM
Comm	COMMUNICATION	Mod	MODIFIED
Conc	CONCRETE	Mon	MONUMENT
Const	CONSTRUCT	NIC	NOT IN CONTRACT
COSSF	CITY OF SOUTH SAN FRANCISCO	NTS	NOT TO SCALE
CMP	CORRUGATED METAL PIPE	OG	ORIGINAL GROUND
CR	CURB RAMP	PB	PULLBOX
Ct	COURT	PCC	PORTLAND CEMENT CONCRETE/
CT	CALTRANS		POINT OF COMPOUND CURVE
CTB	CEMENT TREATED BASE	PG	PROFILE GRADE
DI	DRAIN INLET	P/L	PROPERTY LINE
Dr	DRIVE	PP	POWER POLE
Dwy	DRIVEWAY	PRC	POINT OF REVERSE CURVE
EC	END HORIZONTAL CURVE	PRF	PAVEMENT REINFORCING FABRIC
Elec	ELECTROLIER	Prop	PROPOSED
Elect	ELECTRICAL	PRVC	POINT OF REVERSE VERTICAL CURVE
Elev	ELEVATION	PT	POINT OF TANGENCY
EP	EDGE OF PAVEMENT	PUE	PUBLIC UTILITY EASEMENT
Ease	EASEMENT	PVI	POINT OF VERTICAL INTERSECTION
ETW	EDGE OF TRAVELED WAY	Pvmt	PAVEMENT
EVC	END VERTICAL CURVE	R	RADIUS
Exist (E)	EXISTING	RCP	REINFORCED CONCRETE PIPE
Exc	EXCAVATION	Rd	ROAD
ETS	ELECTROLYSIS TESTING STATION	Rdwy	ROAD
F/C, FOC	FACE OF CURB	Rel	RELOCATE
FDC	FIRE DEPARTMENT CONNECTION	Rem	REMOVE
FDAC	FULL DEPTH ASPHALT CONCRETE	Ret	RETAINING
FG	FINISHED GRADE ELEVATION	RIM	RIM ELEVATION
FH	FIRE HYDRANT	RRFB	RECTANGULAR RAPID FLASHING BEACON
FL	FLOW LINE	Rt	RIGHT
FO	FIBER OPTICS	R/W	RIGHT OF WAY

SC, S/C	SAWCUT
SD	STORM DRAIN
SDMH	STORM DRAIN MANHOLE
Sh t	SHEET
SMC	SAN MATEO COUNTY
SS	SANITARY SEWER
SSCO	SANITARY SEWER CLEANOUT
SSMH	SANITARY SEWER MANHOLE
St	STREET
Sta	STATION(S)
Std	STANDARD
SW	SIDEWALK
TC	TOP OF CURB
TCE	TEMPORARY CONSTRUCTION EASEMENT
TEL	TELEPHONE
TG	TOP OF GRATE
TS	TRAFFIC SIGNAL
Trans	TRANSITION
Typ	TYPICAL
UG	UNDERGROUND
Var	VARIES
VC	VERTICAL CURVE
VG	VALLEY GUTTER
WM	WATER METER
WS	WATER SERVICE

LEGEND:

PROPOSED	EXISTING
—E—	—e—
----GS	----gs
---S---	---s---
---SD---	---sd---
---TC---	---tc---
---T---	---t---
---W---	---w---
FO	fo
E (OH)	e (oh)
TC (OH)	tc (oh)
T (OH)	t (oh)
FO (OH)	fo (oh)
RCW	rcw
--JT	--jt
+O+	+O+
GM	GM
⊙	⊙
⊗	⊗
⊗	⊗
●	●
X	X
⌘	⌘

COSSF STANDARDS FOR PUBLIC IMPROVEMENTS:

DRAWING NUMBER	DESCRIPTION
R-1	CURB, GUTTER, SIDEWALK & DRIVEWAY APPROACHES
PG&E ELECTRICAL LINE	R-2 STANDARDS FOR SIDEWALK REPAIR
PG&E GAS LINE	R-3 PRIVATE STREET INTERSECTING A PUBLIC STREET
CITY SEWER LINE	R-4 TYPICAL UTILITY TRENCH DETAIL
STORM DRAINAGE LINE	R-5 TRENCH REPAIR-PCC PAVEMENT AND PAVEMENT REINFORCING FABRIC
TELECOMMUNICATION	R-6 ROCKWHEEL TRENCH REPAIR
TELEPHONE LINE	R-7 FREESTANDING CURB 6" & 8"
WATER LINE	R-8 SURVEY MONUMENTS
FIBER OPTICS LINE	R-9 ADJUSTING MONUMENT/MANHOLE TO GRADE
OVERHEAD ELECTRICAL	R-10 WEDGE CUT AND AC OVERLAY DETAILS
OVERHEAD TELECOMMUNICATION	D-1 STANDARDS FOR PRECAST MANHOLE
OVERHEAD TELEPHONE	D-2 STANDARD CATCH BASIN
OVERHEAD FIBER OPTIC	D-3 STANDARD CATCH BASIN-TYPES GO-SSFT
RECLAIMED WATER LINE	D-4 STANDARD CATCH BASIN-TYPES GTO AND GTO-SSF
JOINT TRENCH	D-5 CURB DRAIN DETAIL
FIRE HYDRANT	D-6 TYPICAL BEHIND SIDEWALK SUBDRAIN DETAIL
GAS VALVE	D-7 BUBBLER BOX DRAIN OUTLET
MANHOLE	SS-1 STANDARD SEWER LATERAL
SEWER CLEAN OUT	SS-2 STANDARD SEWER LATER CLEANOUT
UNDERGROUND TRANSFORMER	SS-3 SEWER LATERAL REPLACEMENT AT CROSSING
UTILITY POLE	E-1 STANDARD ALUMINUM ELECTROLIER
WATER METER	E-2 COLOR CODE FOR LOOPS
WATER VALVE	MISC-1 WOOD FENCE POST, REAR PROPERTY CORNER MONUMENT



ENGINEERING DIVISION
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By: Matthew Ruble

Date: 03/05/2020

REVISIONS			
NO.	DESCRIPTION	DATE	BY



Michael Cooper 03/05/2020
REGISTERED CIVIL ENGINEER DATE



CITY OF SOUTH SAN FRANCISCO
PUBLIC WORKS DEPARTMENT
315 MAPLE AVENUE
SOUTH SAN FRANCISCO, CA 94080

MARK THOMAS
3000 OAK ROAD, SUITE 650
WALNUT CREEK, CA 94597
TEL: (925)938-0383

BID SUBMITTAL

DESIGNED BY: R. OYEWOLE
DRAWN BY: J. SORIA
CHECKED BY: M. COOPER
PROJECT No.: SJ-17123
DATE: 03/05/2020

LINDEN AVENUE PHASE 2 AND
SPRUCE AVENUE TRAFFIC CALMING
IMPROVEMENTS PROJECT – ATP
ABBREVIATION-LEGEND-SURVEY CONTROL

NO SCALE

G-1
SHEET
02
OF
56

NOTES:

1. FOR ABBREVIATIONS, SEE SHEET G-1.
2. DIMENSIONS OF THE PAVEMENT STRUCTURAL SECTIONS ARE SUBJECT TO TOLERANCES SPECIFIED IN THE CALTRANS 2015 Std SPECIFICATIONS.
3. REFER TO LAYOUT PLANS FOR LOCATIONS OF CURB AND GUTTER, CURB AND SIDEWALK, COLD PLANE, OVERLAY LIMITS, AND SAWCUT LIMITS.
4. FOR CURB AND GUTTER, SIDEWALK AND DRIVEWAY DETAILS SEE COSSF Std DRAWING No. R-1.

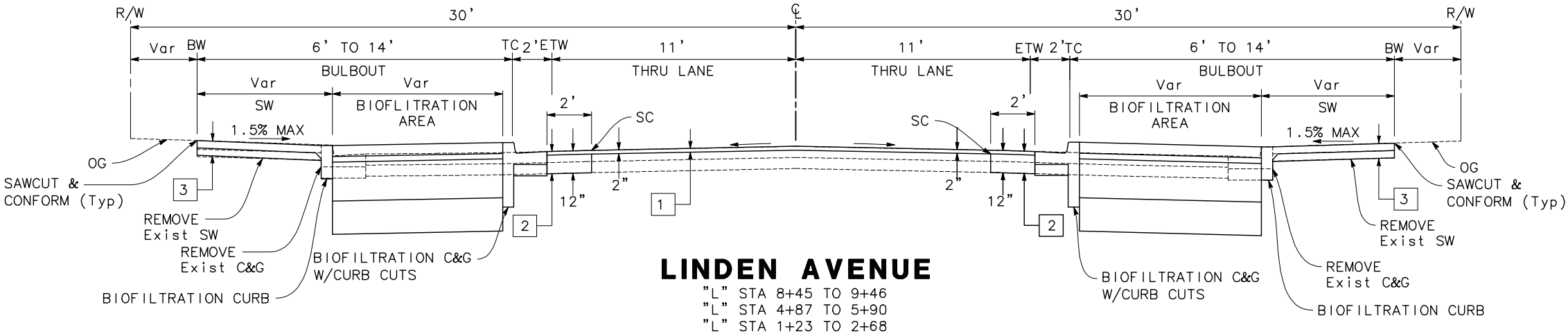
TYPICAL PAVEMENT
STRUCTURAL SECTIONS

- 1

COLD PLANE AC Pvmf 2"
2" Min HMA (TYPE A)
- 2

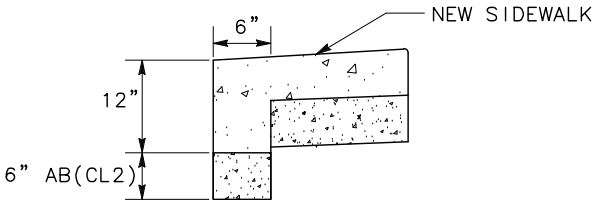
10" HMA (TYPE A) & 2" OVERLAY
- 3

4" PCC
6" CI 2 AB

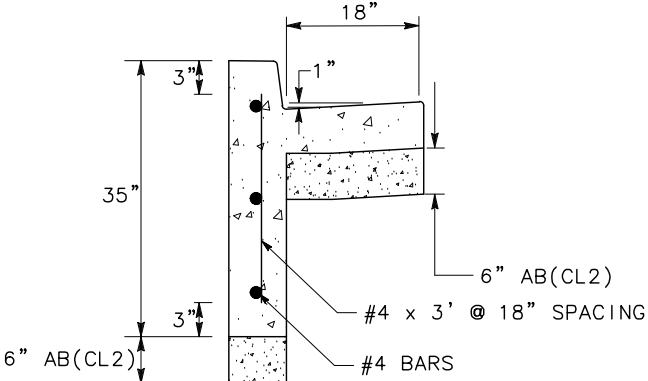


LINDEN AVENUE

"L" STA 8+45 TO 9+46
"L" STA 4+87 TO 5+90
"L" STA 1+23 TO 2+68



BIOFILTRATION CURB DETAIL



- NOTES:
1. SEE COSSF STANDARD DRAWING NO. R-1 FOR OTHER INFORMATION NOT SHOWN.
 2. SEE PL- FOR BIOFILTRATION PLANTER INLET & OUTLET DETAIL.

BIOFILTRATION CURB



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MICHAEL K. COOPER

No. 29072

Exp. 3/31/2021

CIVIL

STATE OF CALIFORNIA

03/05/2020
REGISTERED CIVIL ENGINEER

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PUBLIC WORKS DEPARTMENT

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MARK THOMAS

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WALNUT CREEK, CA 94597

TEL: (925)938-0383

BID SUBMITTAL

DESIGNED BY: S. LEE

DRAWN BY: J. SORIA

CHECKED BY: M. COOPER

PROJECT No.: SJ-17123

DATE: 03/05/2020

LINDEN AVENUE PHASE 2 AND
SPRUCE AVENUE TRAFFIC CALMING
IMPROVEMENTS PROJECT - ATP
LINDEN AVENUE
TYPICAL SECTIONS

NO SCALE

X-1

SHEET

03

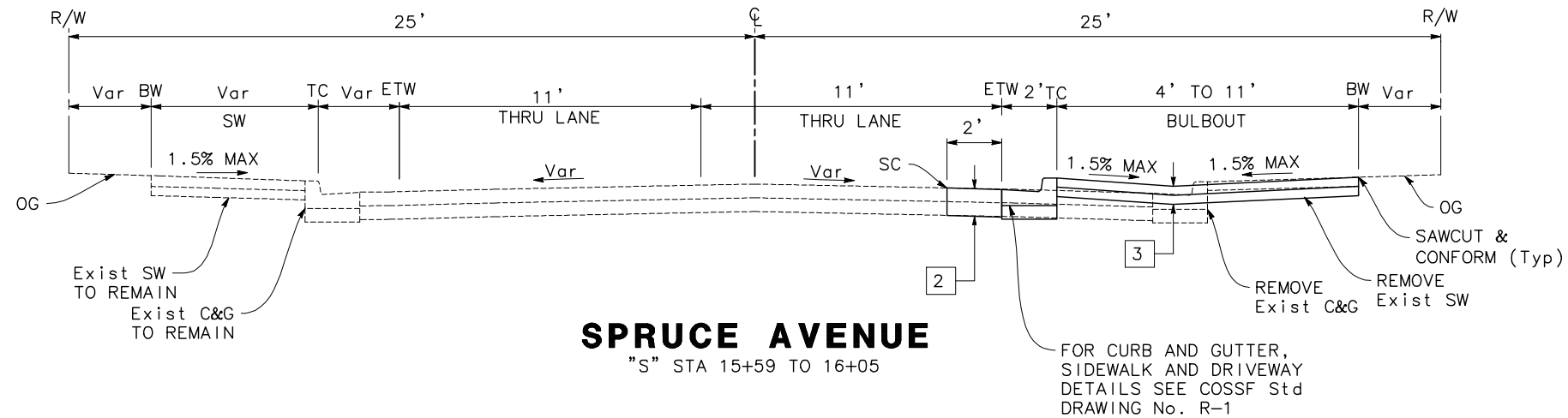
OF

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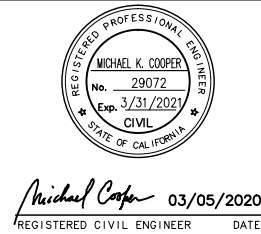
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CAD USER: jloche

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TEL: (925)938-0383

DESIGNED BY: S. LEE
DRAWN BY: N. ENG
CHECKED BY: M. COOPER
PROJECT No.: SJ-17123
DATE: 03/05/2020

NO SCALE

X-2

SHEET

04

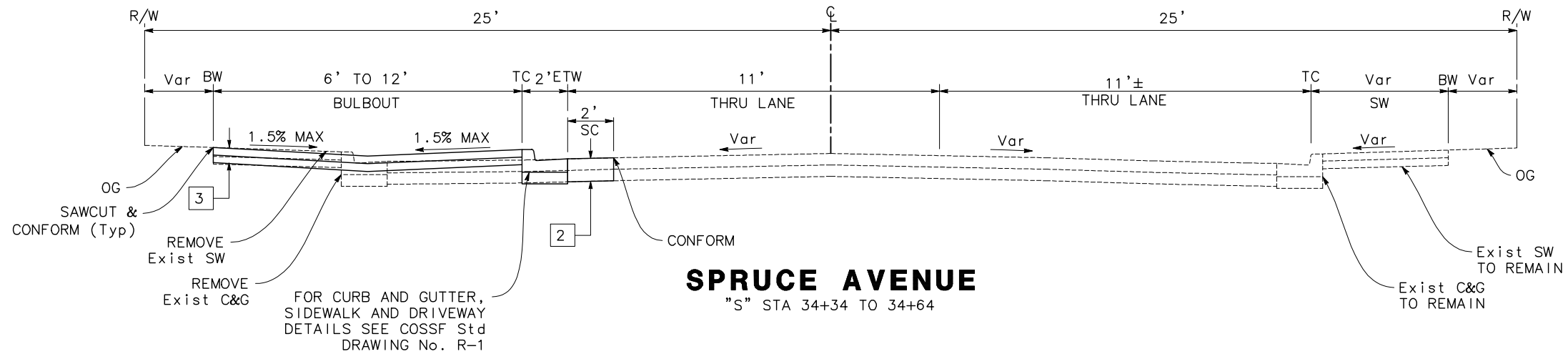
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Date: 03/05/2020

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NO.	DESCRIPTION	DATE	BY



Michael Cooper 03/05/2020
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**MARK
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WALNUT CREEK, CA 94597
TEL: (925)938-0383

DESIGNED BY: S. LEE
DRAWN BY: N. ENG
CHECKED BY: M. COOPER
PROJECT No.: SJ-17123
DATE: 03/05/2020

NO SCALE

DF —

56

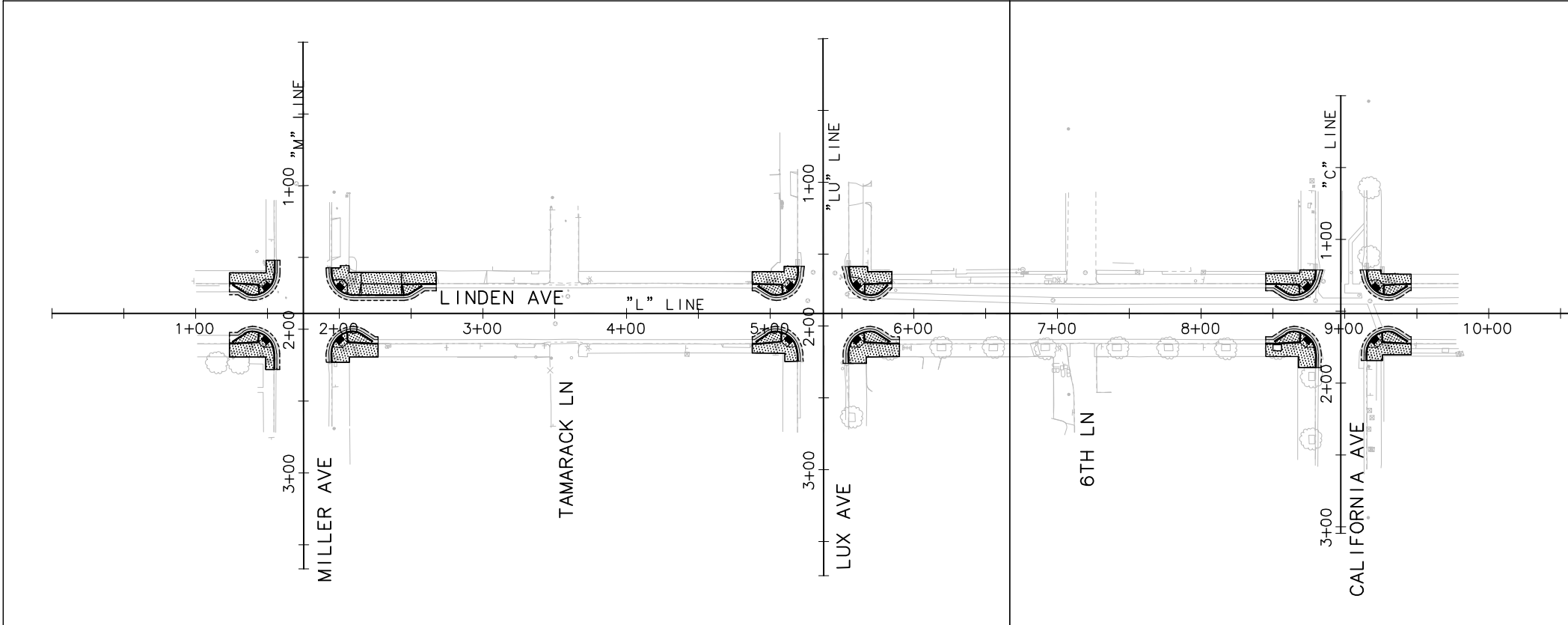
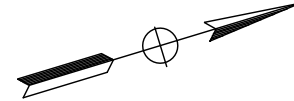
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PLOT DATE: Mar 05, 2020 12:27pm

FILE NAME: LSA_PWP-A

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DM-1
L-1
D-1
U-1
PD-1
SC-1
SC-5
WPC-1

DM-2
L-2
D-2
U-2
PD-2
SC-2
SC-6
WPC-2



KEY MAP
NO SCALE




ENGINEERING DIVISION
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By: Matthew Ruble

Date: 03/05/2020

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NO.	DESCRIPTION	DATE	BY



Michael Cooper 03/05/2020
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PUBLIC WORKS DEPARTMENT
315 MAPLE AVENUE
SOUTH SAN FRANCISCO, CA 94080

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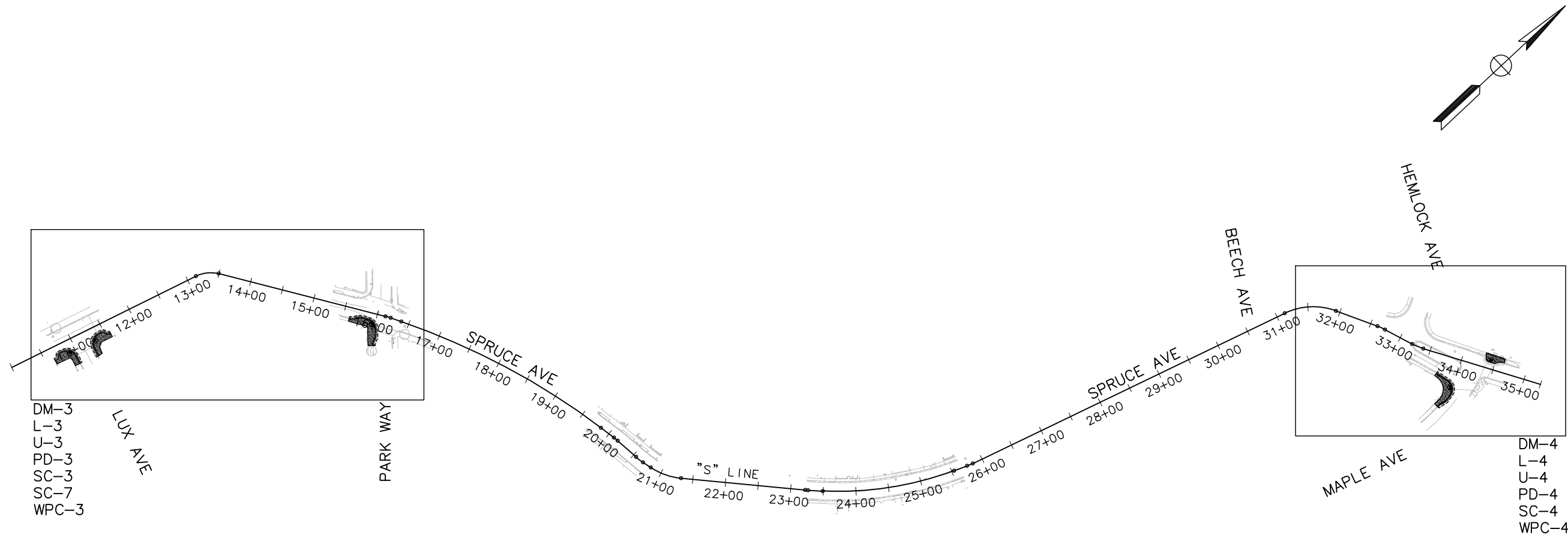
DESIGNED BY: R. OYEWOLE
DRAWN BY: J. SORIA
CHECKED BY: M. COOPER
PROJECT No.: SJ-17123
DATE: 03/05/2020

**LINDEN AVENUE PHASE 2 AND
SPRUCE AVENUE TRAFFIC CALMING
IMPROVEMENTS PROJECT - ATP**
**LINDEN AVENUE
KEY MAP**


NO SCALE

K-1

SHEET
06
—OF—
56



KEY MAP
NO SCALE

 **ENGINEERING DIVISION**
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By: Matthew Ruble
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Michael Cooper 03/05/2020
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DESIGNED BY: R. OYEWOLE
DRAWN BY: J. SORIA
CHECKED BY: M. COOPER
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**LINDEN AVENUE PHASE 2 AND
SPRUCE AVENUE TRAFFIC CALMING
IMPROVEMENTS PROJECT – ATP**
**SPRUCE AVENUE
KEY MAP**

NO SCALE

K-2

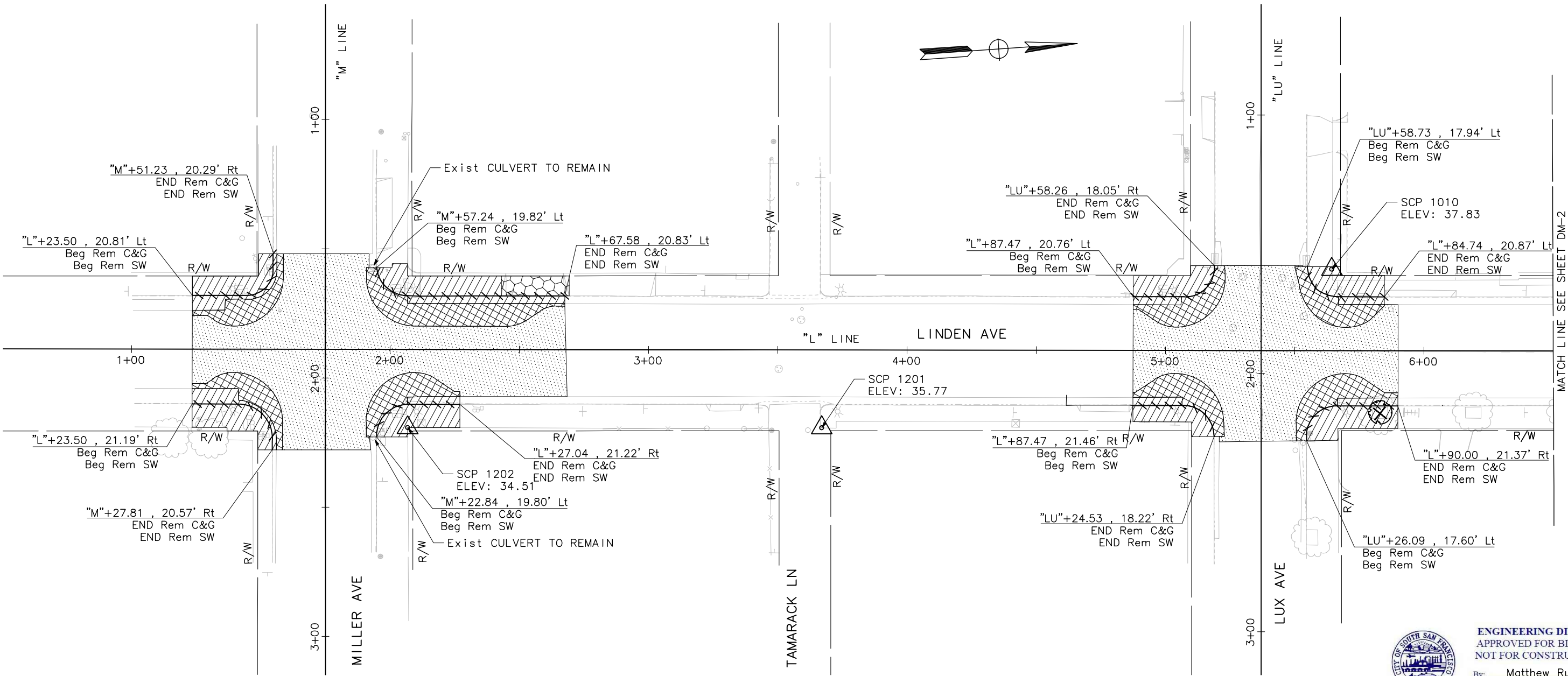
SHEET
07
—OF—
56

NOTES:

1. FOR ABBREVIATIONS, SEE SHEET GN-1.
2. THIS PLAN ACCURATE FOR DEMOLITION ONLY.
3. THE LIMIT OF REMOVAL SHOWN IS APPROXIMATE AND SHALL BE VERIFIED IN THE FIELD BY THE ENGINEER.
4. CONTRACTOR SHALL POSITIVELY IDENTIFY AND LOCATE ALL UTILITIES BEFORE ANY DEMOLITION WORK.
5. CONTRACTOR SHALL PROTECT EXISTING UTILITIES FROM ANY DAMAGE, AND SHALL BE RESPONSIBLE FOR ANY REPAIRS NEEDED.
6. EXISTING IRRIGATION TO REMAIN SHALL BE CAPPED, PLUGGED, OR RECONNECTED TO A NEW OR EXISTING IRRIGATION FACILITY. EXISTING IRRIGATION SHALL REMAIN FUNCTIONAL DURING CONSTRUCTION.
7. ALL TREES SHALL REMAIN DURING CONSTRUCTION UNLESS OTHERWISE NOTED.
8. REFER TO LAYOUT AND STRIPING PLANS FOR RELOCATION AND REMOVAL OF EXISTING SIGNS AND STRIPING.
9. REFER TO LAYOUT PLANS FOR LOCATIONS AND LIMITS OF PAVEMENT CONSTRUCTION.
10. SIGNS TO BE REMOVED ARE SHOWN ON SHEETS PD-1.
11. BUS STOP FURNITURE AND TRASH CANS TO BE RELOCATED BY SAMTRANS.
12. CONTRACTOR SHALL RESTORE TRAFFIC LOOPS IN KIND AND TO COSSF STANDARDS.

LEGEND:

- COLD PLANE EXISTING PAVEMENT
REMOVE Conc SIDEWALK & APRON
REMOVE Conc DRIVEWAY
CLEARING AND GRUBBING
REMOVE AC PAVING
REMOVE Conc CURB/C&G
REMOVE TREE
SURVEY CONTROL POINT



ENGINEERING DIVISION
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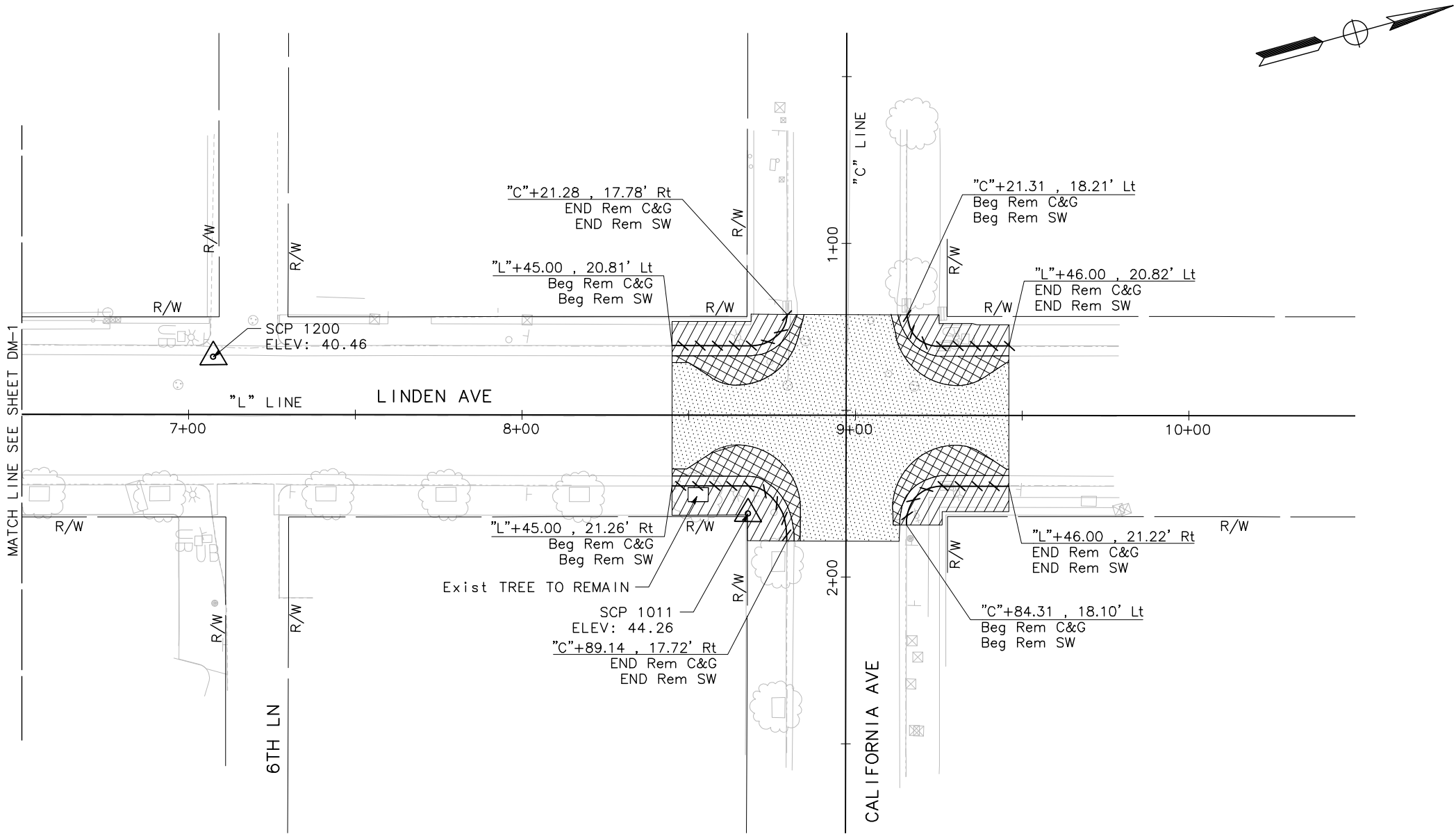
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LINDEN AVENUE PHASE 2 AND
SPRUCE AVENUE TRAFFIC CALMING
IMPROVEMENTS PROJECT - ATP
LINDEN AVENUE
DEMOLITION PLAN
0 10 20 40
SCALE: 1"=20'

DM-1
SHEET
08
OF
56

NOTE:
FOR NOTES AND LEGEND, SEE SHEET DM-1.



ENGINEERING DIVISION
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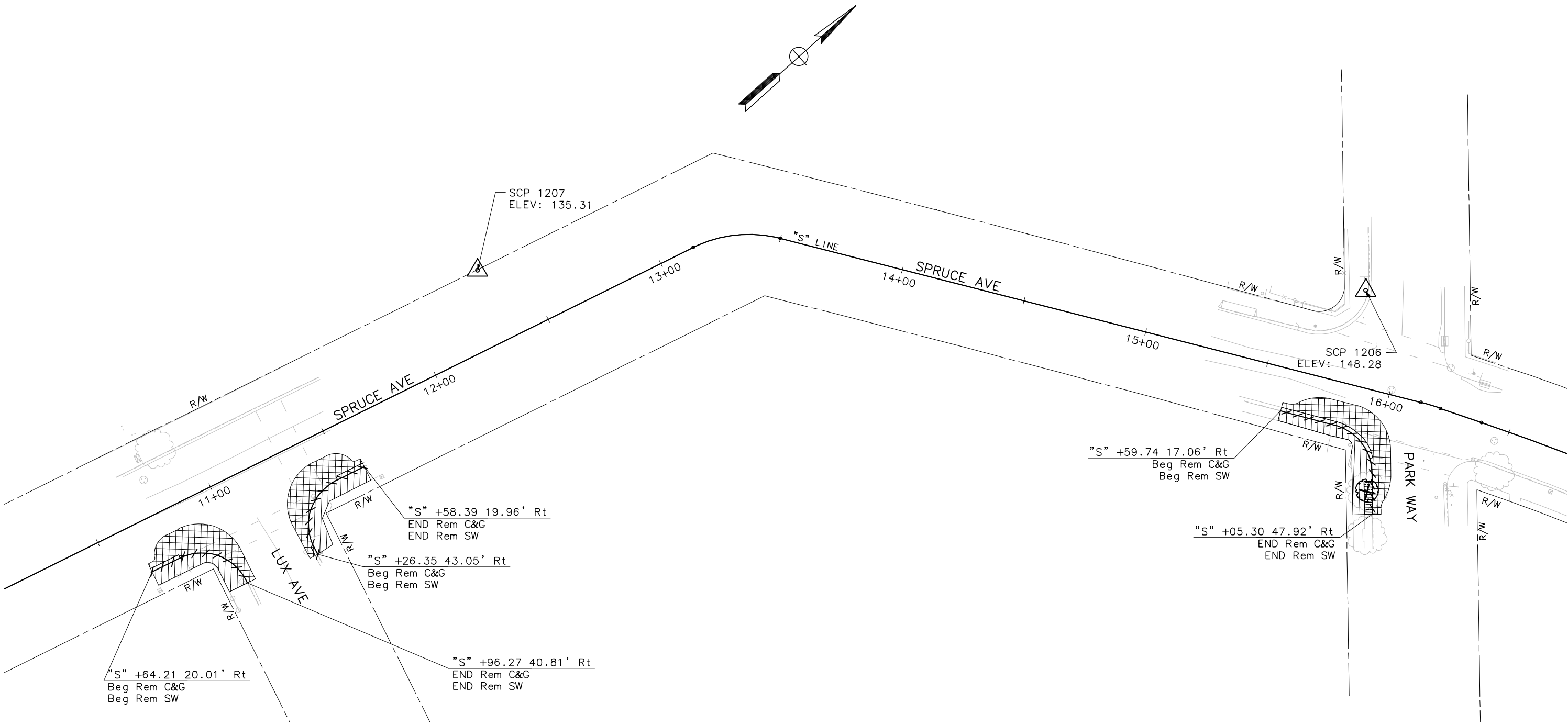
LINDEN AVENUE PHASE 2 AND
SPRUCE AVENUE TRAFFIC CALMING
IMPROVEMENTS PROJECT - ATP
LINDEN AVENUE
DEMOLITION PLAN

SCALE: 1"=20'

DM-2

SHEET
09
OF
56

NOTE:
FOR NOTES AND LEGEND, SEE SHEET DM-1.



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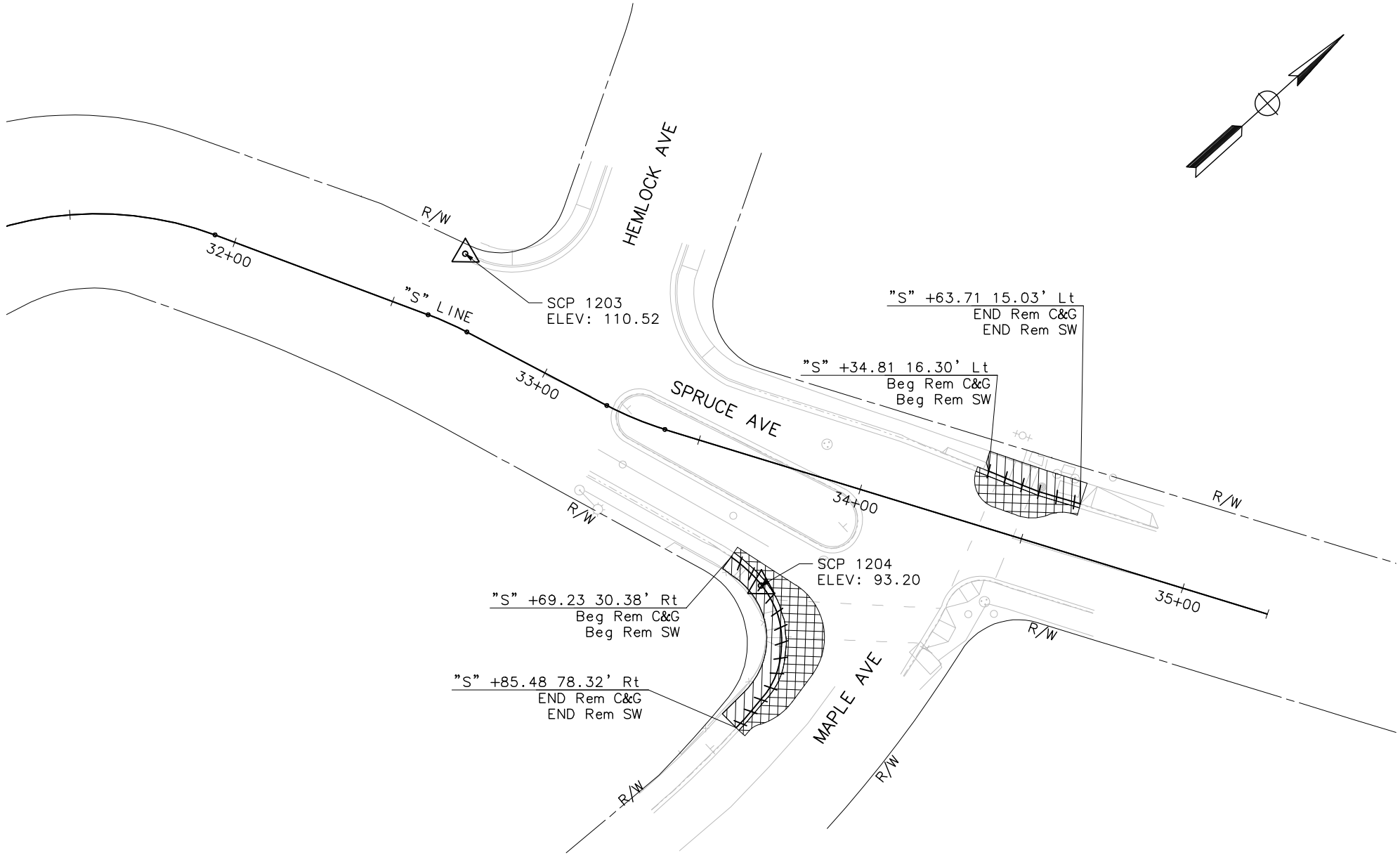
**LINDEN AVENUE PHASE 2 AND
SPRUCE AVENUE TRAFFIC CALMING
IMPROVEMENTS PROJECT – ATP
SPRUCE AVENUE
DEMOLITION PLAN**

0 10 20 40
SCALE: 1"=20'

DM-3

SHEET
10
—OF—
56

NOTE:
FOR NOTES AND LEGEND, SEE SHEET DM-1.



ENGINEERING DIVISION
APPROVED FOR BIDDING
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By: Matthew Ruble

Date: 03/05/2020

REVISIONS			
NO.	DESCRIPTION	DATE	BY

REGISTERED PROFESSIONAL ENGINEER

MICHAEL K. COOPER

No. 29072

Exp. 3/31/2021

CIVIL

STATE OF CALIFORNIA

03/05/2020
REGISTERED CIVIL ENGINEER

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PUBLIC WORKS DEPARTMENT
315 MAPLE AVENUE
SOUTH SAN FRANCISCO, CA 94080

MARK THOMAS
3000 OAK ROAD, SUITE 650
WALNUT CREEK, CA 94597
TEL: (925)938-0383

BID SUBMITTAL	
DESIGNED BY:	R. OYEWOLE
DRAWN BY:	N. ENG
CHECKED BY:	M. COOPER
PROJECT No.:	SJ-17123
DATE:	03/05/2020

LINDEN AVENUE PHASE 2 AND
SPRUCE AVENUE TRAFFIC CALMING
IMPROVEMENTS PROJECT – ATP
SPRUCE AVENUE
DEMOLITION PLAN

SCALE: 1"=20'

DM-4

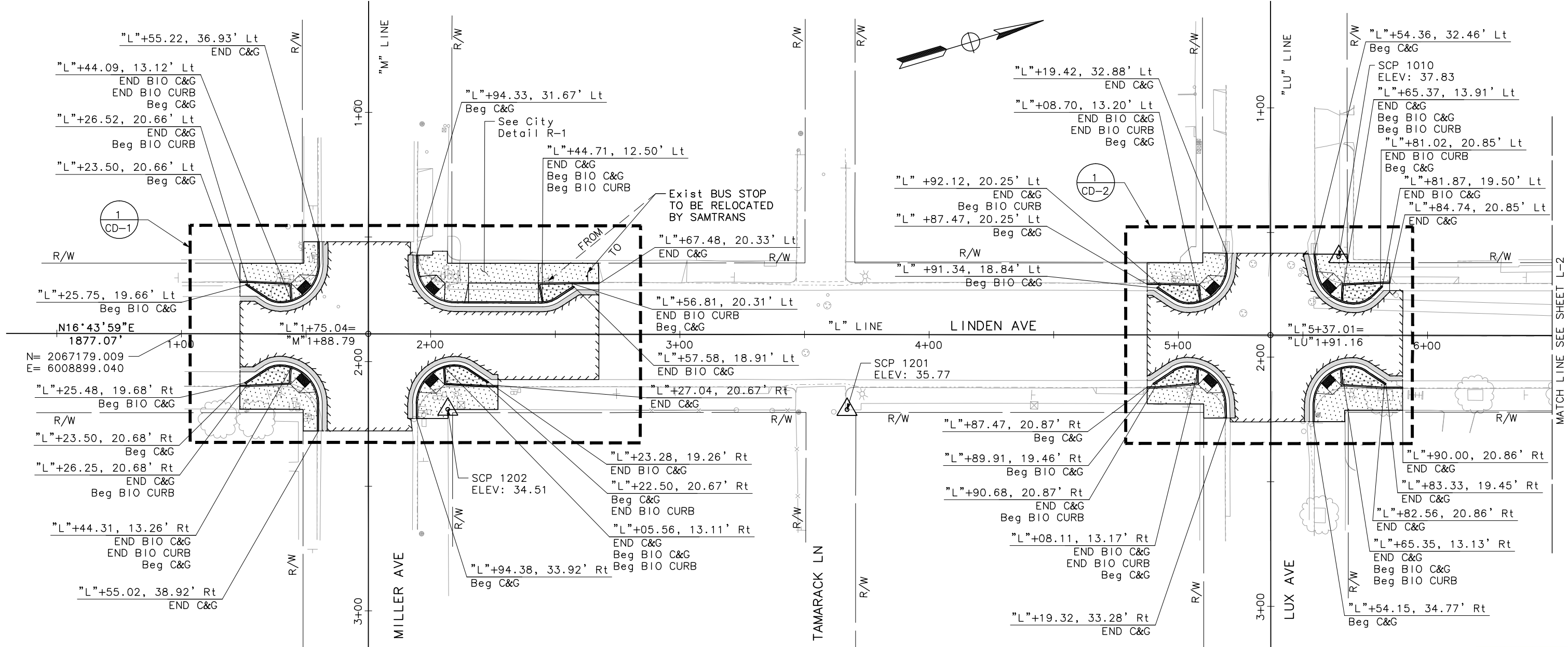
SHEET
11
OF
56

NOTES:

1. ALL CURB LOCATIONS ARE AT TOP FACE OF CURB.
2. CURB RAMPS ARE PER CALTRANS STANDARD PLANS RSP A88A.
3. FOR ABBREVIATIONS, SEE SHEET G-1.
4. C&G ARE PER COSSF STANDARD DETAIL DRAWING NO. R-1.
5. FOR CURB RAMP AND DRIVEWAY DETAILS, SEE SHEETS CD-1 THROUGH CD-9.
6. FOR BIOFILTRATION C&G, SEE SHEET X-1.

LEGEND:

- HMA PAVEMENT
- COLD PLANE & OVERLAY
- SIDEWALK/DRIVEWAY
- DETECTABLE WARNING SURFACE
- BIOFILTRATION AREA
- SURVEY CONTROL POINT



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MICHAEL K. COOPER
No. 29072
Exp. 3/31/2021
CIVIL
STATE OF CALIFORNIA
03/05/2020
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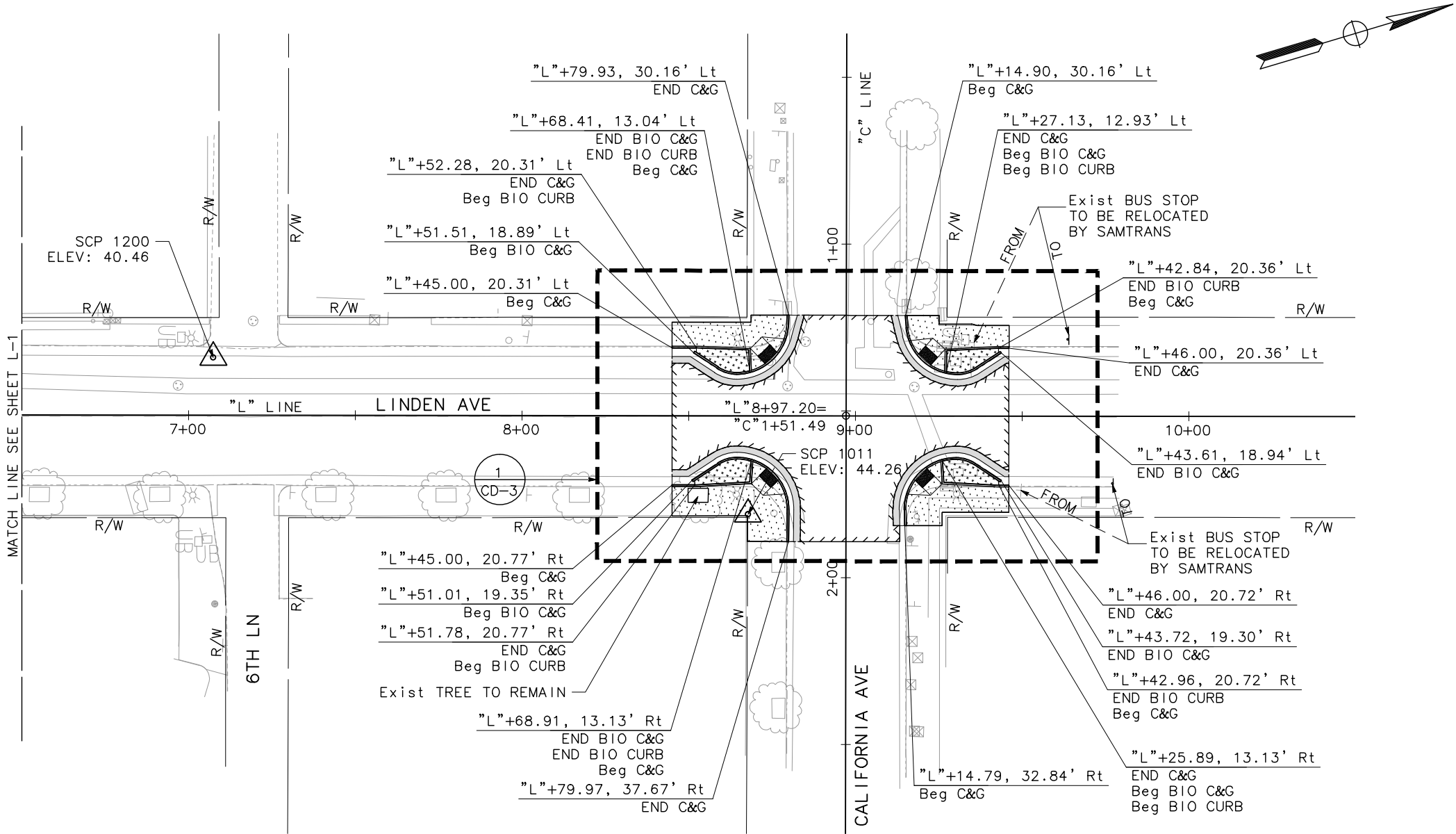
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TEL: (925)938-0383

BID SUBMITTAL
DESIGNED BY: S. LEE
DRAWN BY: N. ENG
CHECKED BY: M. COOPER
PROJECT No.: SJ-17123
DATE: 03/05/2020

LINDEN AVENUE PHASE 2 AND
SPRUCE AVENUE TRAFFIC CALMING
IMPROVEMENTS PROJECT - ATP
LINDEN AVENUE
LAYOUT PLAN
0 10 20 40
SCALE: 1"=20'

L-1
SHEET
12
OF
56

NOTE:
FOR NOTES AND LEGEND, SEE SHEET L-1.



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MARK THOMAS

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WALNUT CREEK, CA 94597

TEL: (925)938-0383

BID SUBMITTAL

DESIGNED BY: S. LEE

DRAWN BY: N. ENG

CHECKED BY: M. COOPER

PROJECT No.: SJ-17123

DATE: 03/05/2020

LINDEN AVENUE PHASE 2 AND SPRUCE AVENUE TRAFFIC CALMING IMPROVEMENTS PROJECT – ATP LINDEN AVENUE LAYOUT PLAN

0 10 20 40

SCALE: 1"=20'

L-2

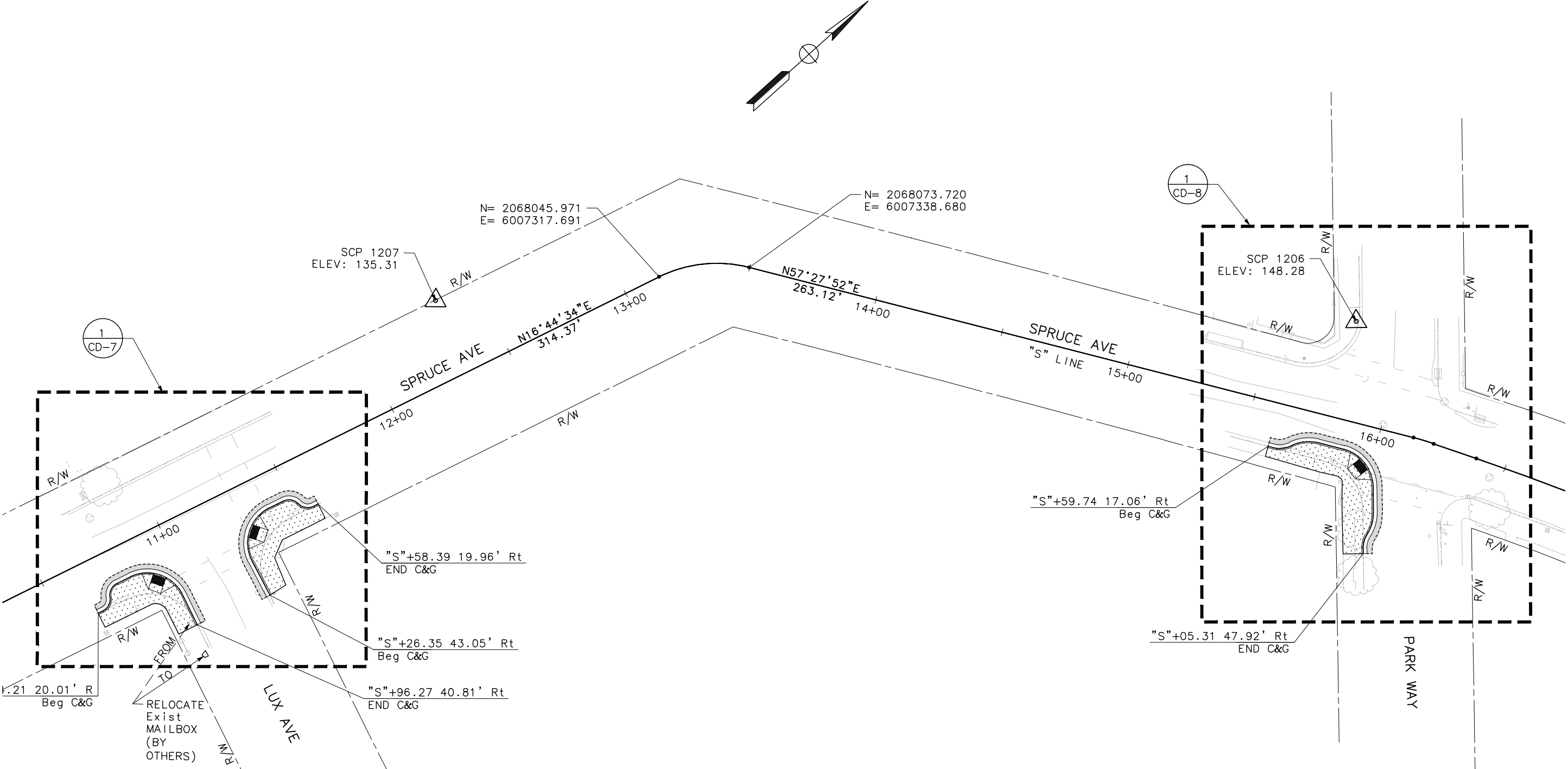
SHEET

13

—OF—

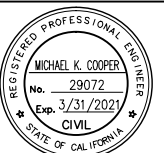
56

NOTE:
FOR NOTES AND LEGEND, SEE SHEET L-1.



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BID SUBMITTAL

DESIGNED BY:	<u>S. LEE</u>
DRAWN BY:	<u>J. SORIA</u>
CHECKED BY:	<u>M. COOPER</u>
PROJECT No.:	<u>SJ-17123</u>
DATE:	<u>03/05/2020</u>

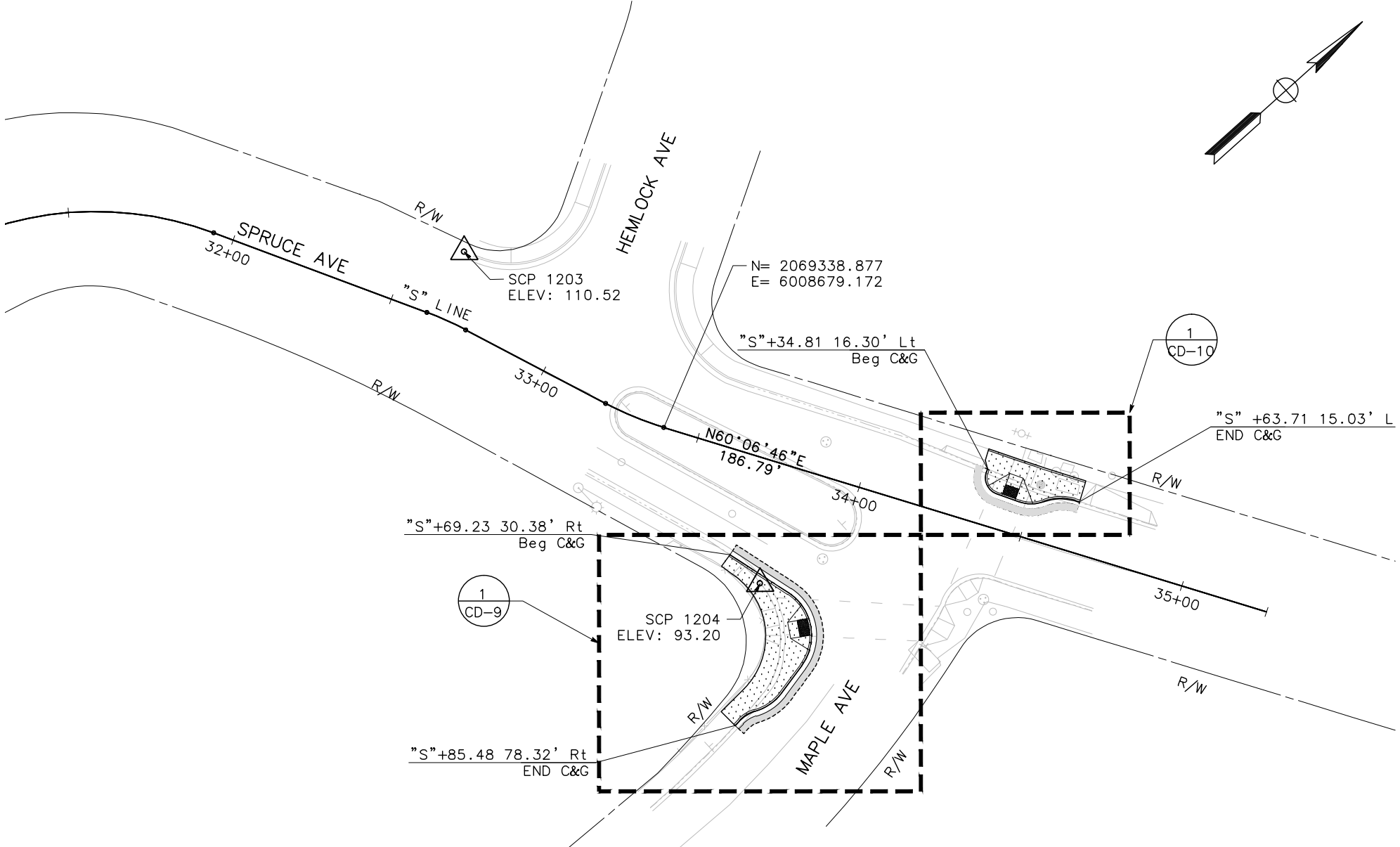
**LINDEN AVENUE PHASE 2 AND
SPRUCE AVENUE TRAFFIC CALMING
IMPROVEMENTS PROJECT - ATP
SPRUCE AVENUE
LAYOUT PLAN**


0 10 20 40
SCALE: 1"=20'

L-3

SHEET
14
OF
56

NOTE:
FOR NOTES AND LEGEND, SEE SHEET L-1.



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DESIGNED BY: S. LEE
DRAWN BY: J. SORIA
CHECKED BY: M. COOPER
PROJECT No.: SJ-17123
DATE: 03/05/2020

**LINDEN AVENUE PHASE 2 AND
SPRUCE AVENUE TRAFFIC CALMING
IMPROVEMENTS PROJECT - ATP**
**SPRUCE AVENUE
LAYOUT PLAN**

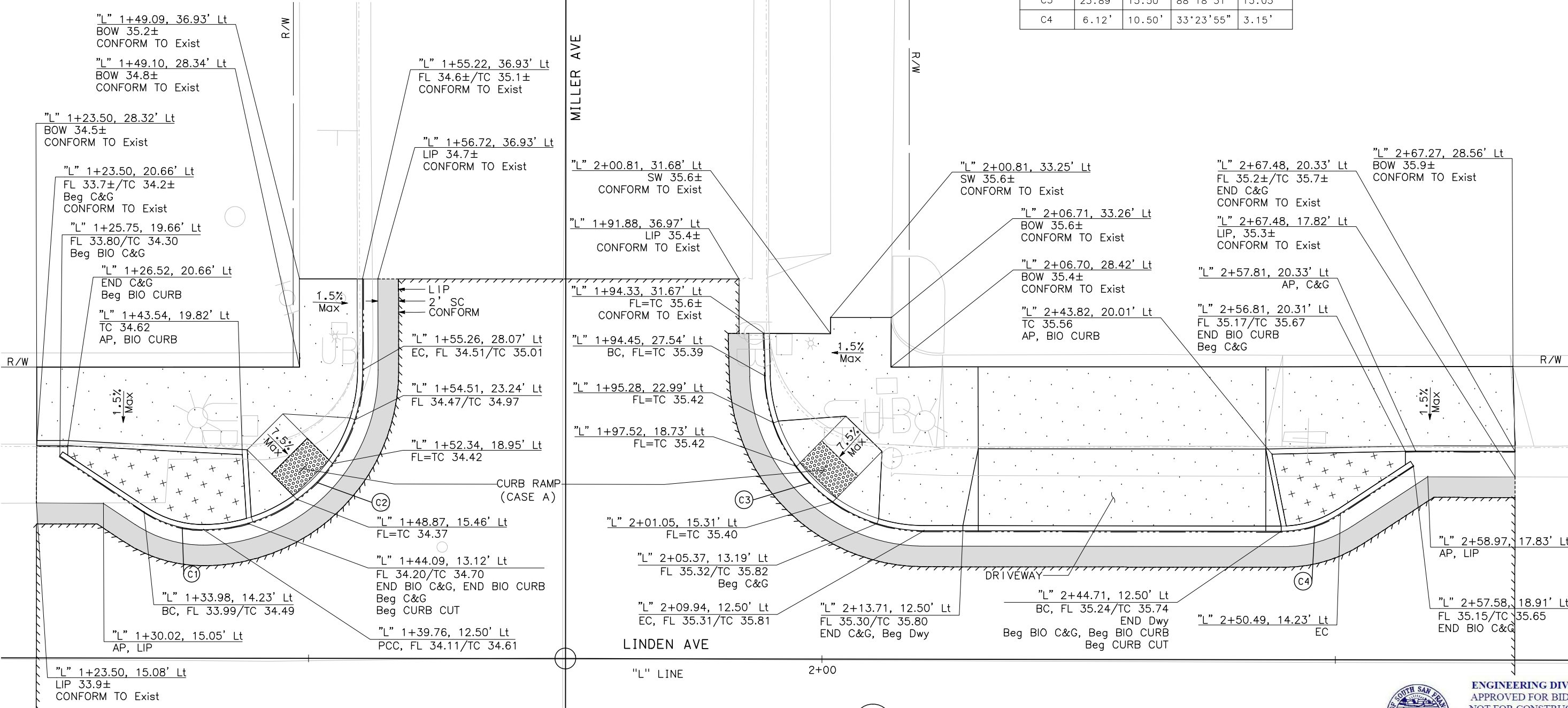
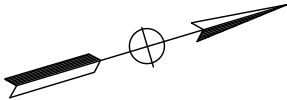
0 10 20 40
SCALE: 1"=20'

L-4

SHEET
15
OF
56

- NOTES:
- 1. CONSTRUCT CURB & GUTTER, SIDEWALK AND PAVEMENT SECTIONS PER PLANS AND TYPICAL CROSS SECTIONS.
 - 2. LINE/CURVE TABLE INFORMATION REFERS TO TOP OF CURB OR EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
 - 3. NEW CONCRETE SIDEWALK TO CONFORM TO NEAREST SCORE/EXPANSION JOINT ON EXISTING BACK OF WALK.
 - 4. FOR ABBREVIATIONS, SEE SHEET G-1.
 - 5. FOR ADDITIONAL NOTES AND LEGEND, SEE SHEETS G-1 AND L-1.
 - 6. DRIVEWAYS AND C&G SPECIFIED ARE PER COSSF STANDARD DETAIL DRAWING NO. R-1.

CURVE TABLE				
CURVE #	LENGTH	RADIUS	DELTA	TANGENT
C1	6.12'	10.50'	33°23'55"	3.15'
C2	24.42'	15.50'	90°15'27"	15.57'
C3	23.89'	15.50'	88°18'31"	15.05'
C4	6.12'	10.50'	33°23'55"	3.15'

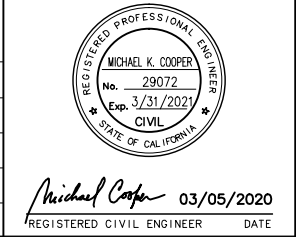


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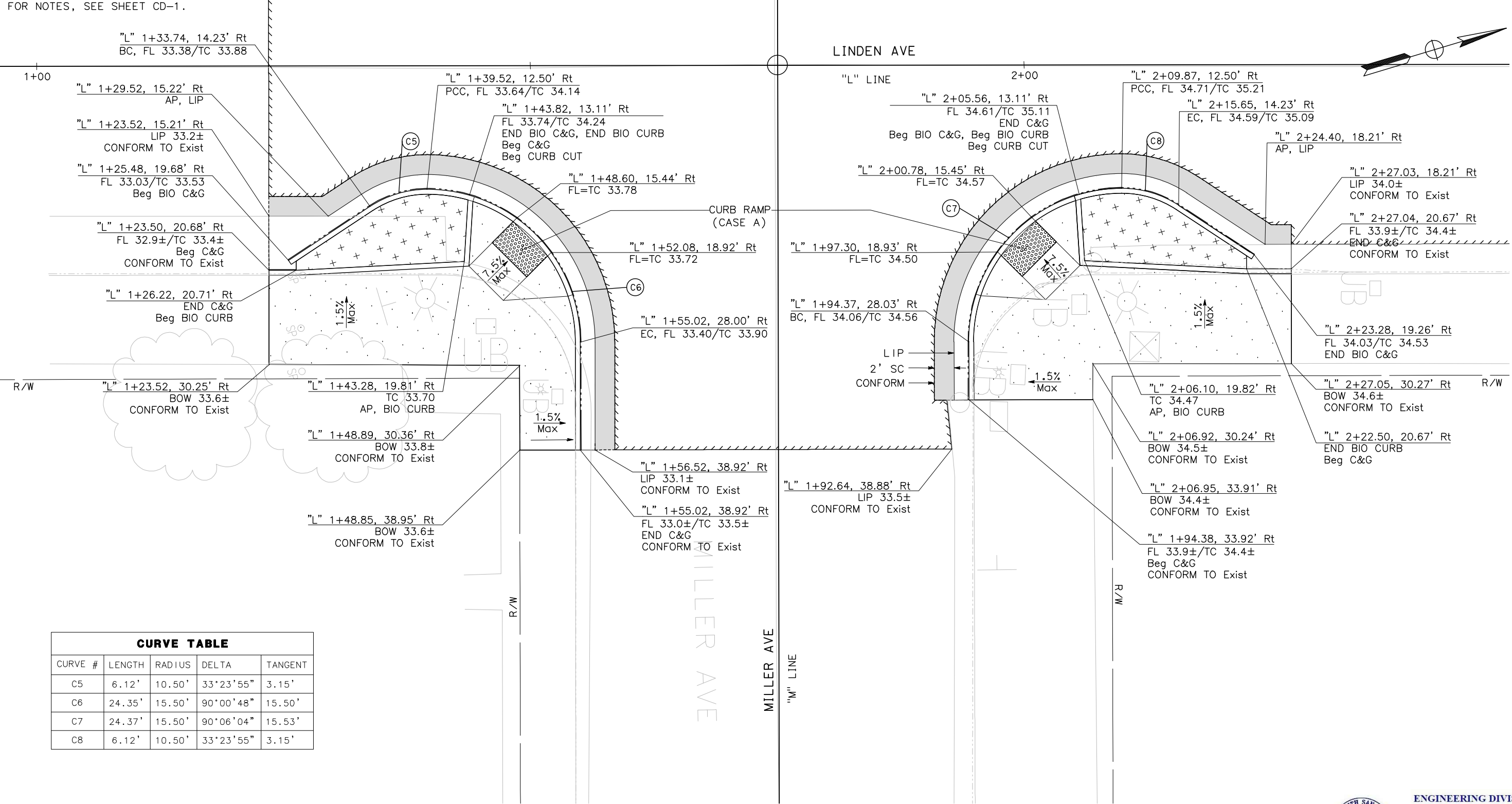
BID SUBMITTAL
DESIGNED BY: R. OYEWOLE
DRAWN BY: J. SORIA
CHECKED BY: M. COOPER
PROJECT No.: SJ-17123
DATE: 03/05/2020

LINDEN AVENUE PHASE 2 AND
SPRUCE AVENUE TRAFFIC CALMING
IMPROVEMENTS PROJECT - ATP
LINDEN AVENUE
CONSTRUCTION DETAILS

0 2.5 5 10
SCALE: 1"=5'

CD-1
SHEET
16
OF
56

NOTE:
FOR NOTES, SEE SHEET CD-1.




CURVE TABLE				
CURVE #	LENGTH	RADIUS	DELTA	TANGENT
C5	6.12'	10.50'	33°23'55"	3.15'
C6	24.35'	15.50'	90°00'48"	15.50'
C7	24.37'	15.50'	90°06'04"	15.53'
C8	6.12'	10.50'	33°23'55"	3.15'

INTERSECTION 1
SCALE: 1"= 5' CD-2



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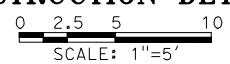


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THOMAS
3000 OAK ROAD, SUITE 650
WALNUT CREEK, CA 94597
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BID SUBMITTAL

DESIGNED BY: R. OYEWOLE
DRAWN BY: J. SORIA
CHECKED BY: M. COOPER
PROJECT No.: SJ-17123
DATE: 03/05/2020

LINDEN AVENUE PHASE 2 AND
SPRUCE AVENUE TRAFFIC CALMING
IMPROVEMENTS PROJECT - ATP
LINDEN AVENUE
CONSTRUCTION DETAILS



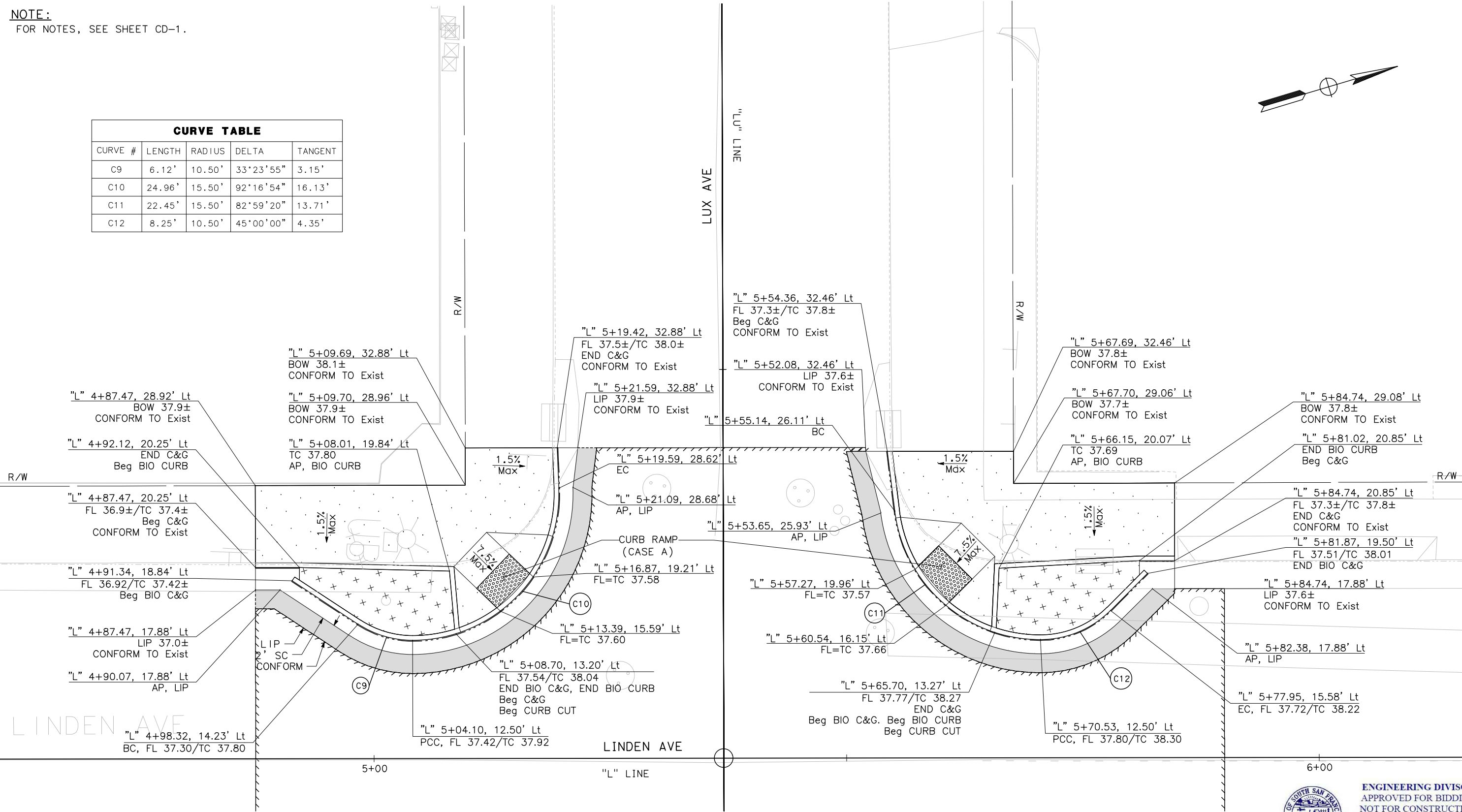
CD-2

SHEET
17
OF
56

FILE NAME: LSA_PWD_CD
PLOT DATE: Mar 05, 2020 10:45:59am
CAD USER: jrdm

NOTE:
FOR NOTES, SEE SHEET CD-1.

CURVE TABLE				
CURVE #	LENGTH	RADIUS	DELTA	TANGENT
C9	6.12'	10.50'	33°23'55"	3.15'
C10	24.96'	15.50'	92°16'54"	16.13'
C11	22.45'	15.50'	82°59'20"	13.71'
C12	8.25'	10.50'	45°00'00"	4.35'



INTERSECTION 1
SCALE: 1" = 10' CD-3



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By: Matthew Ruble

Date: 03/05/2020

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NO.	DESCRIPTION	DATE	BY



Michael Cooper 03/05/2020
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SOUTH SAN FRANCISCO, CA 94080

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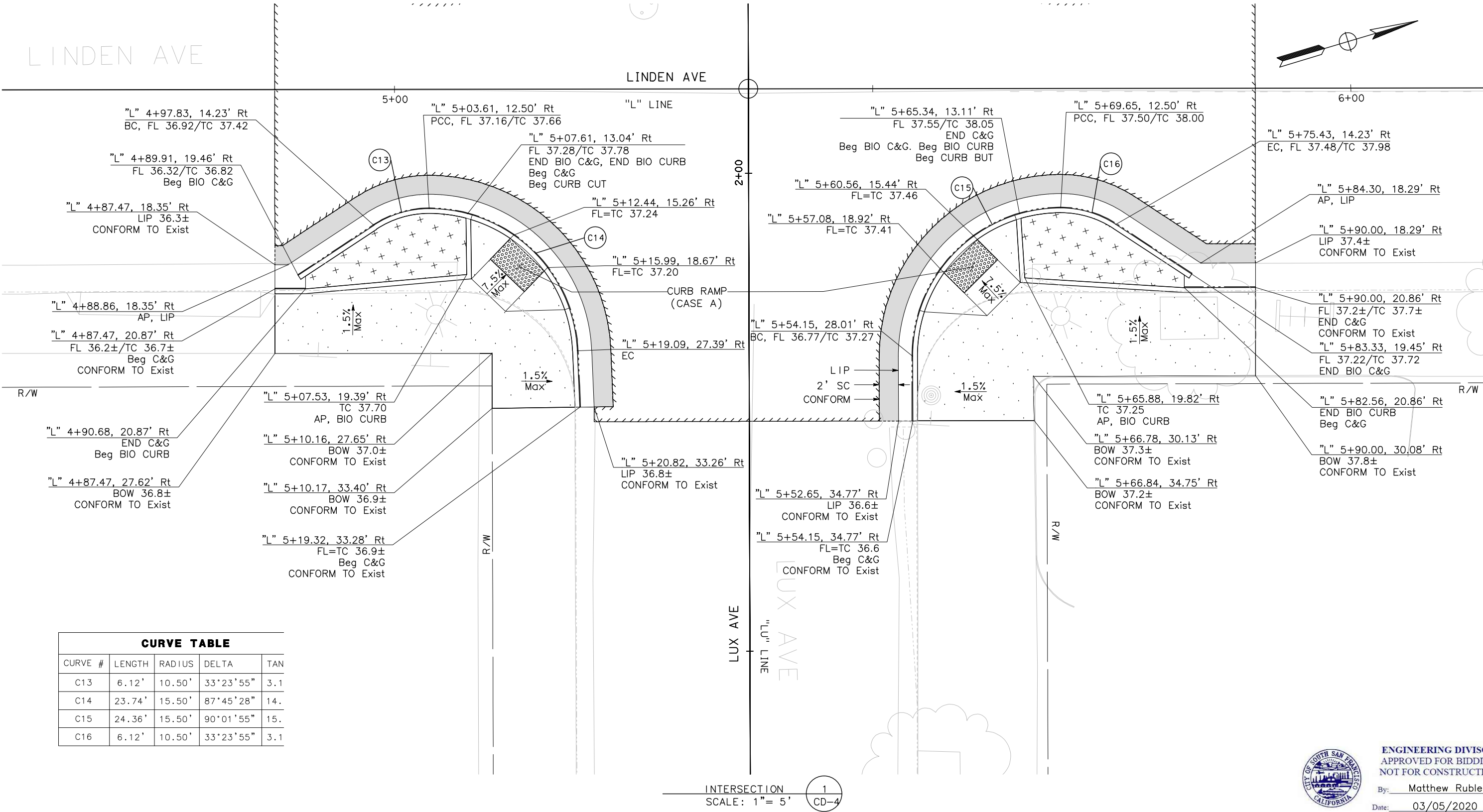
DESIGNED BY: R. OYEWOLE
DRAWN BY: J. SORIA
CHECKED BY: M. COOPER
PROJECT NO.: SJ-17123
DATE: 03/05/2020

LINDEN AVENUE PHASE 2 AND
SPRUCE AVENUE TRAFFIC CALMING
IMPROVEMENTS PROJECT - ATP
LINDEN AVENUE
CONSTRUCTION DETAILS

0 2.5 5 10
SCALE: 1"=5'

CD-3
SHEET
18
OF
56

NOTE:
FOR NOTES, SEE SHEET CD-1.



CURVE TABLE

CURVE #	LENGTH	RADIUS	DELTA	TAN
C13	6.12'	10.50'	33°23'55"	3.1
C14	23.74'	15.50'	87°45'28"	14.
C15	24.36'	15.50'	90°01'55"	15.
C16	6.12'	10.50'	33°23'55"	3.1

REVISIONS

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Michael Cooper 03/05/2020
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DESIGNED BY: R. OYEWOLE
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CHECKED BY: M. COOPER
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DATE: 03/05/2020

LINDEN AVENUE PHASE 2 AND
SPRUCE AVENUE TRAFFIC CALMING
IMPROVEMENTS PROJECT - ATP
LINDEN AVENUE
CONSTRUCTION DETAILS

0 2.5 5 10
SCALE: 1"=5'

CD-4

SHEET
19
OF
56

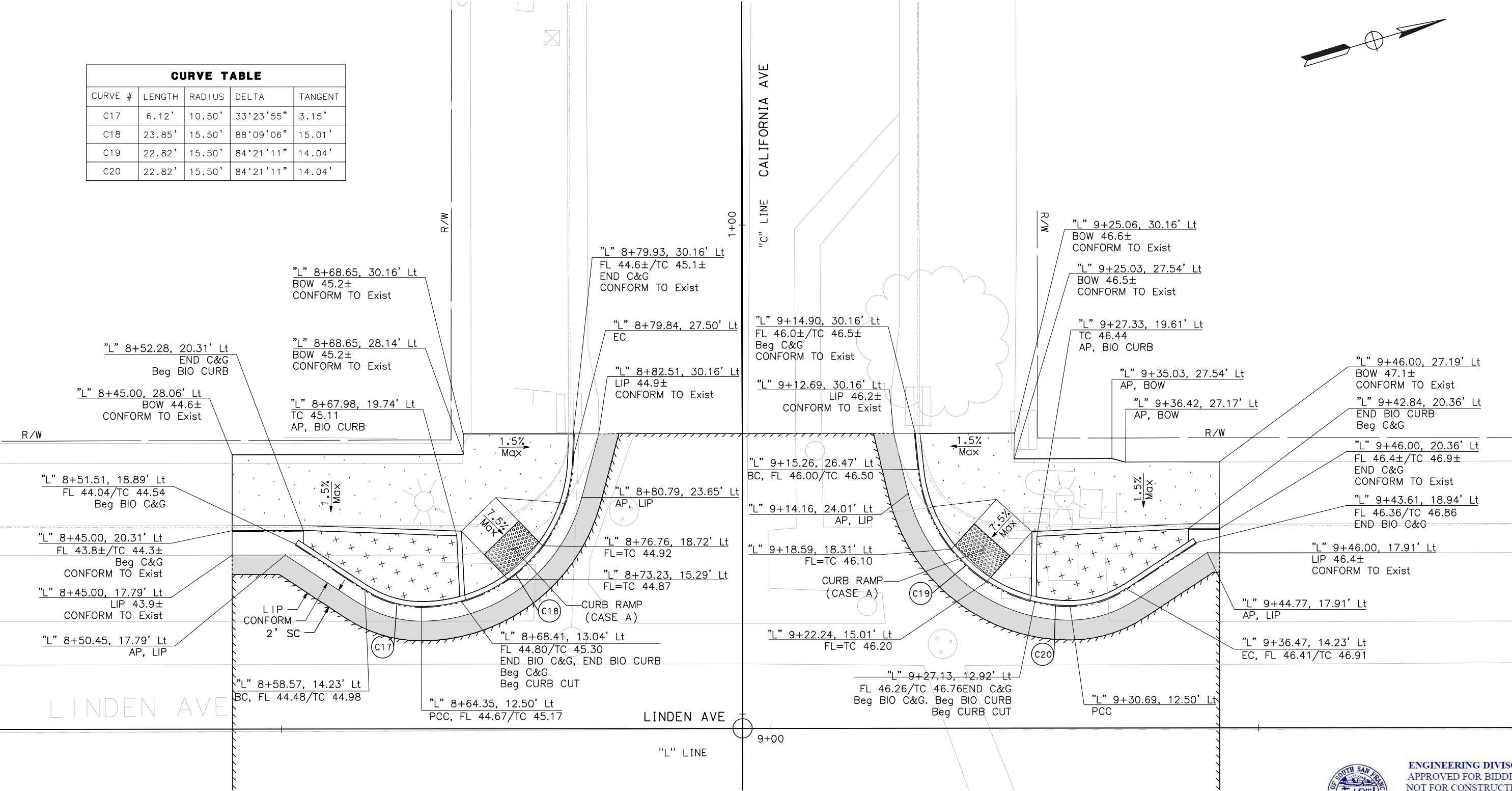


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NOTE:
FOR NOTES, SEE SHEET CD-1.

CURVE TABLE				
CURVE #	LENGTH	RADIUS	DELTA	TANGENT
C17	6.12'	10.50'	33°23'55"	3.15'
C18	23.85'	15.50'	88°09'06"	15.01'
C19	22.82'	15.50'	84°21'11"	14.04'
C20	22.82'	15.50'	84°21'11"	14.04'



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REGISTERED PROFESSIONAL ENGINEER

MICHAEL K. COOPER

No. 29072

Exp. 3/31/2021

CIVIL

STATE OF CALIFORNIA

Michael Cooper

03/05/2020

REGISTERED CIVIL ENGINEER

DATE

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BID SUBMITTAL

DESIGNED BY: R. OYEWOLE

DRAWN BY: J. SORIA

CHECKED BY: M. COOPER

PROJECT No.: SJ-17123

DATE: 03/05/2020

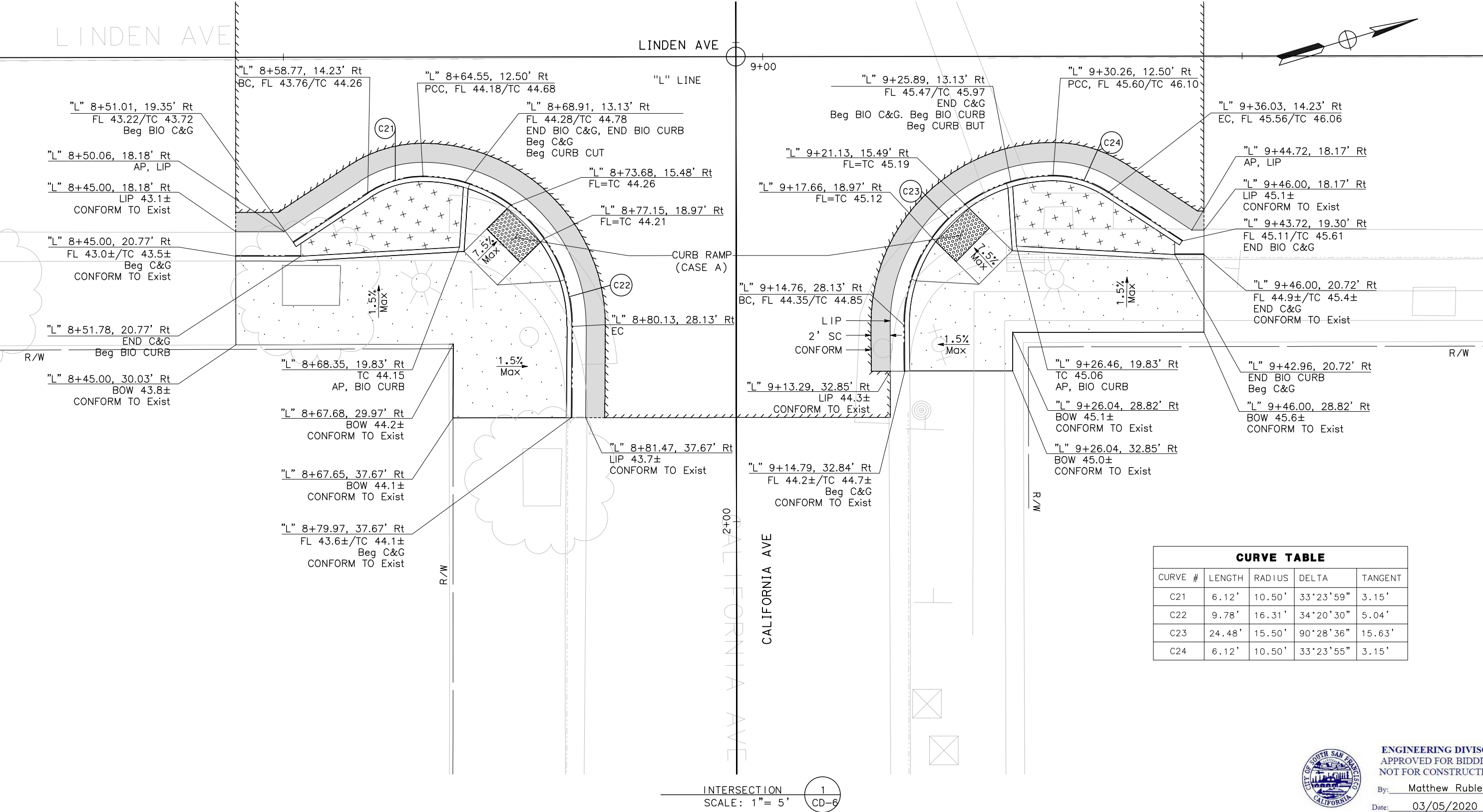
LINDEN AVENUE PHASE 2 AND SPRUCE AVENUE TRAFFIC CALMING IMPROVEMENTS PROJECT - ATP LINDEN AVENUE CONSTRUCTION DETAILS

SCALE: 1"=5'

CD-5

SHEET 20 OF 56

NOTE:
FOR NOTES, SEE SHEET CD-1.



CURVE TABLE				
CURVE #	LENGTH	RADIUS	DELTA	TANGENT
C21	6.12'	10.50'	33°23'59"	3.15'
C22	9.78'	16.31'	34°20'30"	5.04'
C23	24.48'	15.50'	90°28'36"	15.63'
C24	6.12'	10.50'	33°23'55"	3.15'

INTERSECTION 1
SCALE: 1"= 5' CD-6



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DESIGNED BY:	R. OYEWOLE
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CHECKED BY:	M. COOPER
PROJECT No.:	SJ-17123
DATE:	03/05/2020

LINDEN AVENUE PHASE 2 AND SPRUCE AVENUE TRAFFIC CALMING IMPROVEMENTS PROJECT – ATP LINDEN AVENUE CONSTRUCTION DETAILS



SCALE: 1"=5'

CD-6

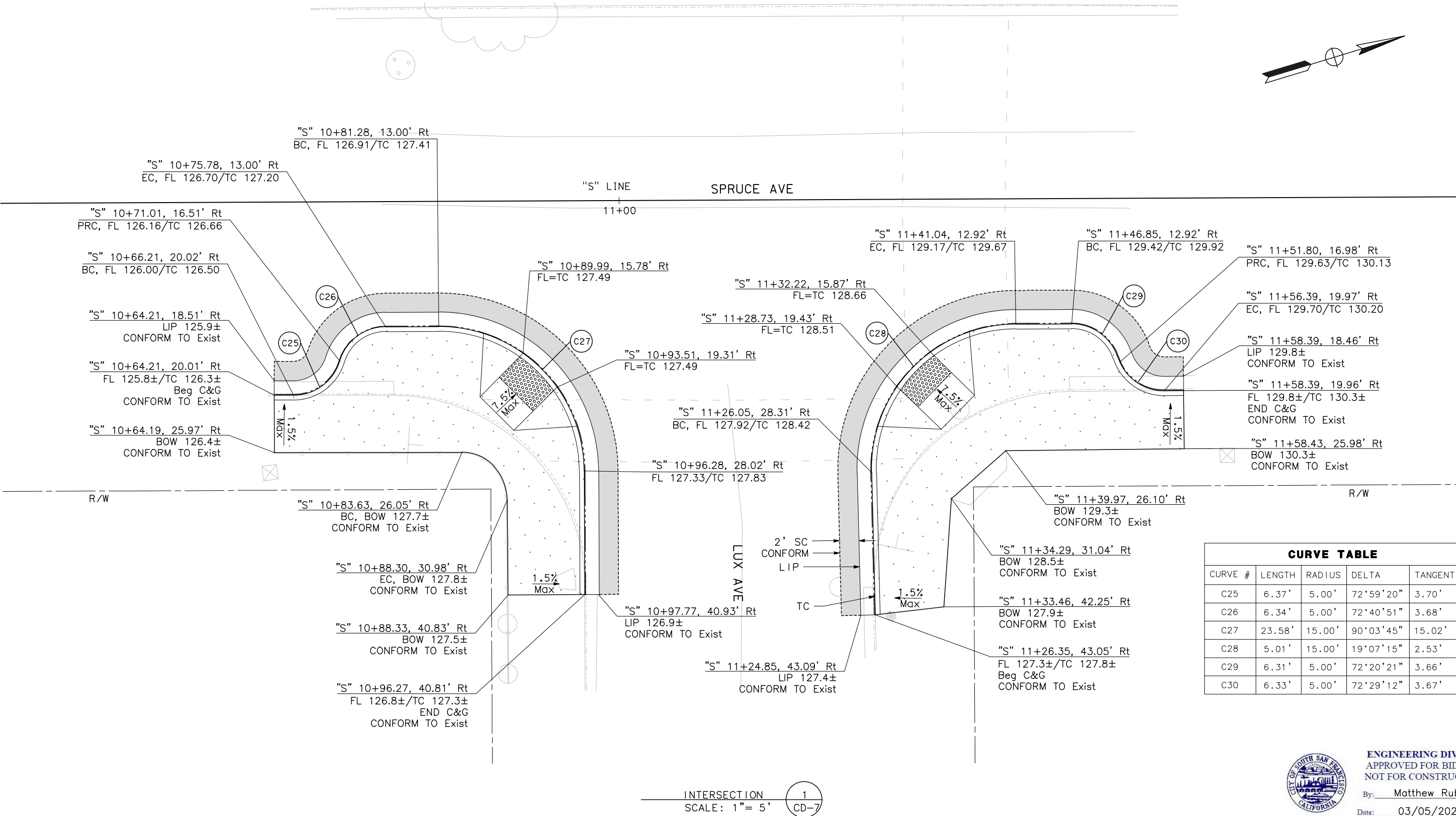
SHEET 21 OF 56

NOTE :
FOR NOTES, SEE SHEET CD-1.

CAD USER: Jette
PLOT DATE: Mar 05, 2020 12:54:4pm

FILE NAME: LSA_PRC-CD (SPRUCE)

Path: \\SSC-S-07723-Linden Avenue and Spruce Avenue-CADD\\CADD\\Sheet\\Linden & Spruce Phase 2\\



CURVE TABLE				
CURVE #	LENGTH	RADIUS	DELTA	TANGENT
C25	6.37'	5.00'	72°59'20"	3.70'
C26	6.34'	5.00'	72°40'51"	3.68'
C27	23.58'	15.00'	90°03'45"	15.02'
C28	5.01'	15.00'	19°07'15"	2.53'
C29	6.31'	5.00'	72°20'21"	3.66'
C30	6.33'	5.00'	72°29'12"	3.67'



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Michael K. Cooper
03/05/2020
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DESIGNED BY: R. OYEWOLE
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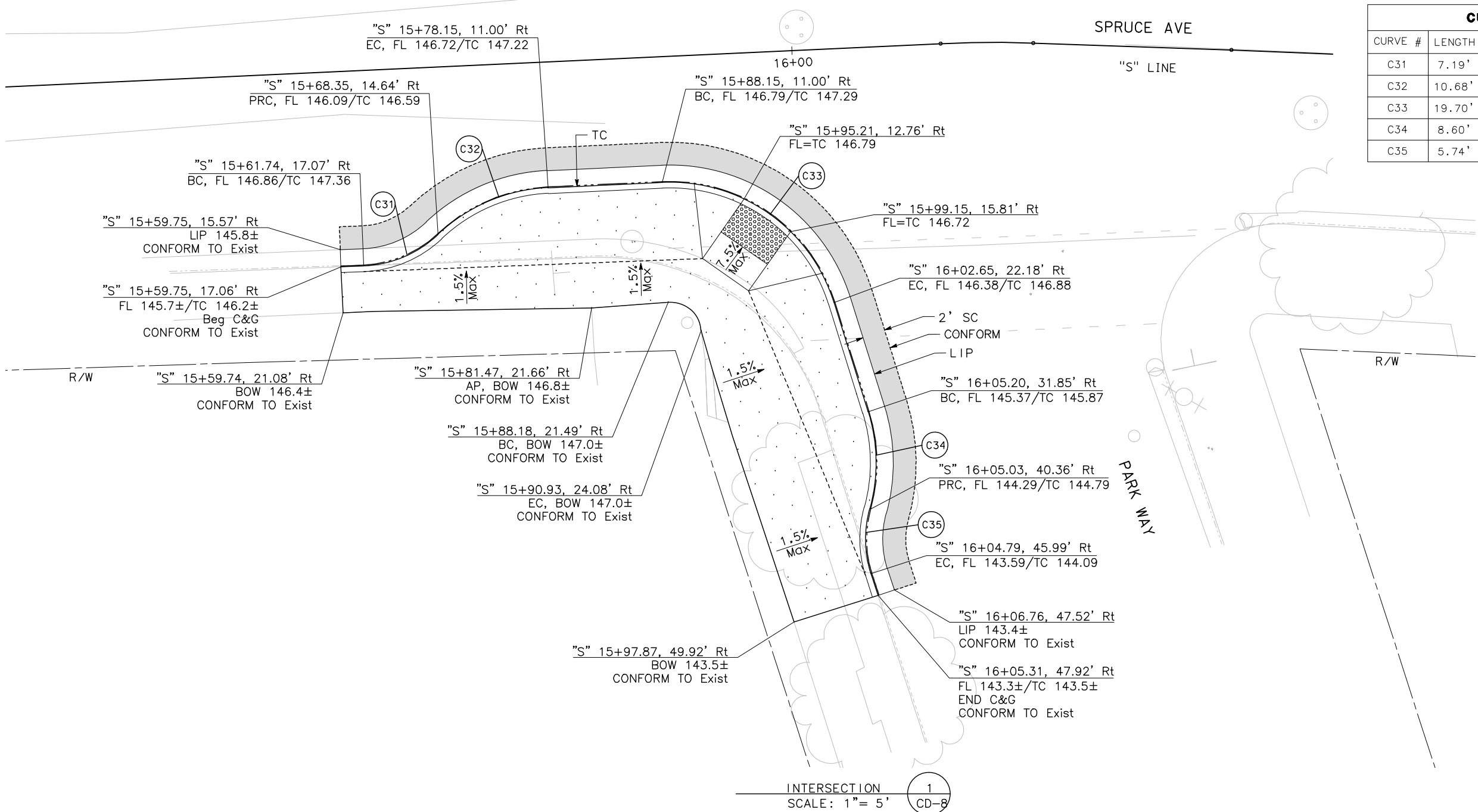
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IMPROVEMENTS PROJECT - ATP
SPRUCE AVENUE
CONSTRUCTION DETAILS

0 2.5 5 10
SCALE: 1"=5'

CD-7

SHEET
22
OF
56

NOTE:
FOR NOTES, SEE SHEET CD-1.



CURVE TABLE				
CURVE #	LENGTH	RADIUS	DELTA	TANGENT
C31	7.19'	10.00'	41°13'08"	3.76'
C32	10.68'	15.00'	40°47'52"	5.58'
C33	19.70'	15.00'	75°14'45"	11.56'
C34	8.60'	15.00'	32°51'36"	4.42'
C35	5.74'	10.00'	32°51'36"	2.95'



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By: Matthew Ruble
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03/05/2020
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SOUTH SAN FRANCISCO, CA 94080

MARK THOMAS

3000 OAK ROAD, SUITE 650
WALNUT CREEK, CA 94597
TEL: (925)938-0383

BID SUBMITTAL

DESIGNED BY: R. OYEWOLE
DRAWN BY: J. SORIA
CHECKED BY: M. COOPER
PROJECT No.: SJ-17123
DATE: 03/05/2020

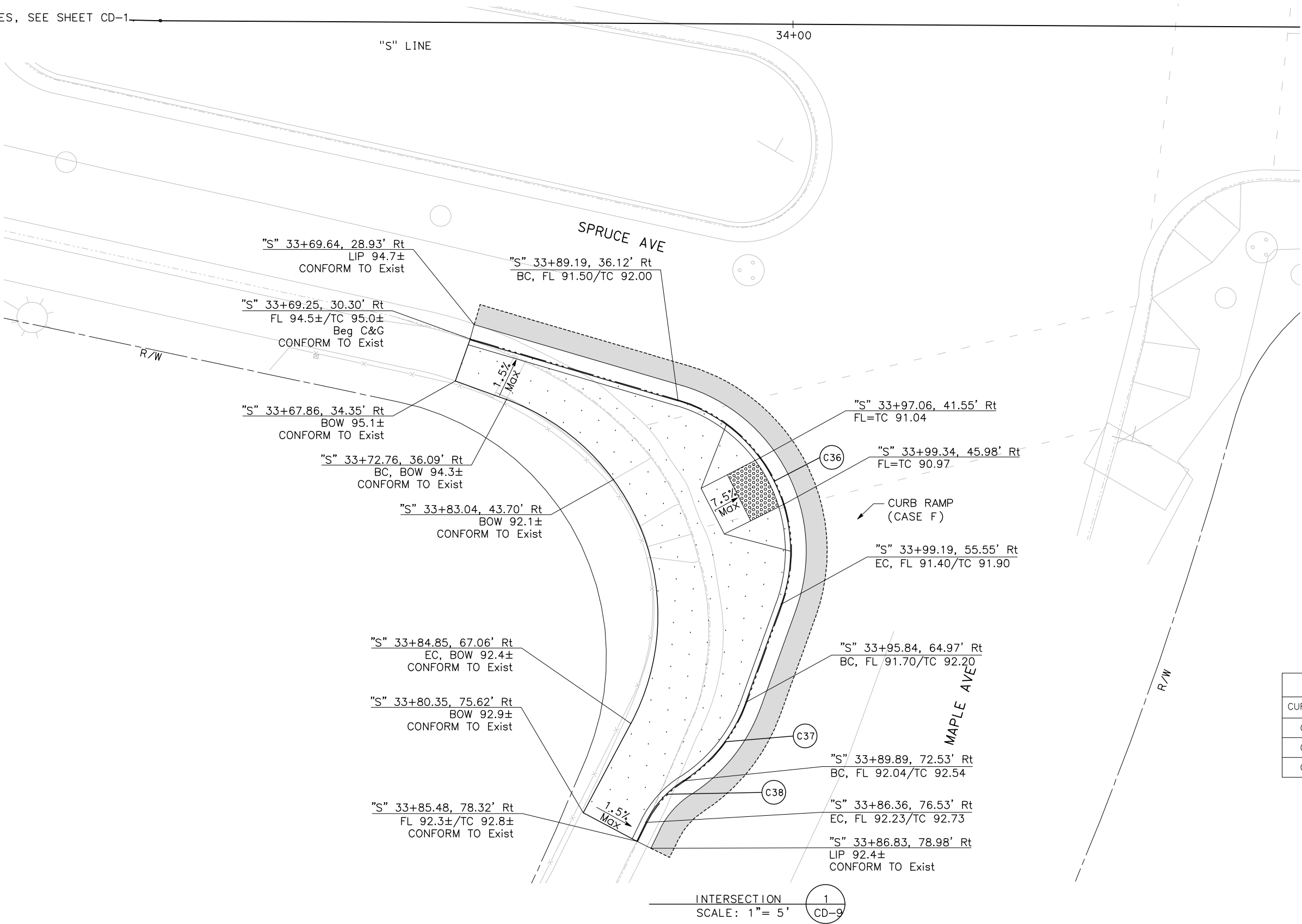
**LINDEN AVENUE PHASE 2 AND
SPRUCE AVENUE TRAFFIC CALMING
IMPROVEMENTS PROJECT - ATP
SPRUCE AVENUE
CONSTRUCTION DETAILS**

0 2.5 5 10
SCALE: 1"=5'

CD-8

SHEET
23
OF
56

NOTE:
FOR NOTES, SEE SHEET CD-1.



CURVE TABLE				
CURVE #	LENGTH	RADIUS	DELTA	TANGENT
C36	24.48'	15.00'	93°29'50"	15.94'
C37	9.79'	15.00'	37°24'08"	5.08'
C38	5.40'	10.00'	30°56'34"	2.77'



ENGINEERING DIVISION
APPROVED FOR BIDDING
NOT FOR CONSTRUCTION

By: Matthew Ruble

Date: 03/05/2020

REVISIONS			
NO.	DESCRIPTION	DATE	BY



Michael Cooper 03/05/2020
REGISTERED CIVIL ENGINEER DATE



CITY OF SOUTH SAN FRANCISCO
PUBLIC WORKS DEPARTMENT
315 MAPLE AVENUE
SOUTH SAN FRANCISCO, CA 94080

MARK THOMAS
3000 OAK ROAD, SUITE 650
WALNUT CREEK, CA 94597
TEL: (925)938-0383

BID SUBMITTAL

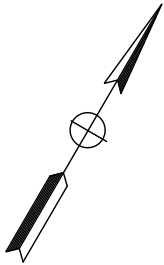
DESIGNED BY: R. OYEWOLE
DRAWN BY: J. SORIA
CHECKED BY: M. COOPER
PROJECT No.: SJ-17123
DATE: 03/05/2020

LINDEN AVENUE PHASE 2 AND
SPRUCE AVENUE TRAFFIC CALMING
IMPROVEMENTS PROJECT – ATP
SPRUCE AVENUE
CONSTRUCTION DETAILS

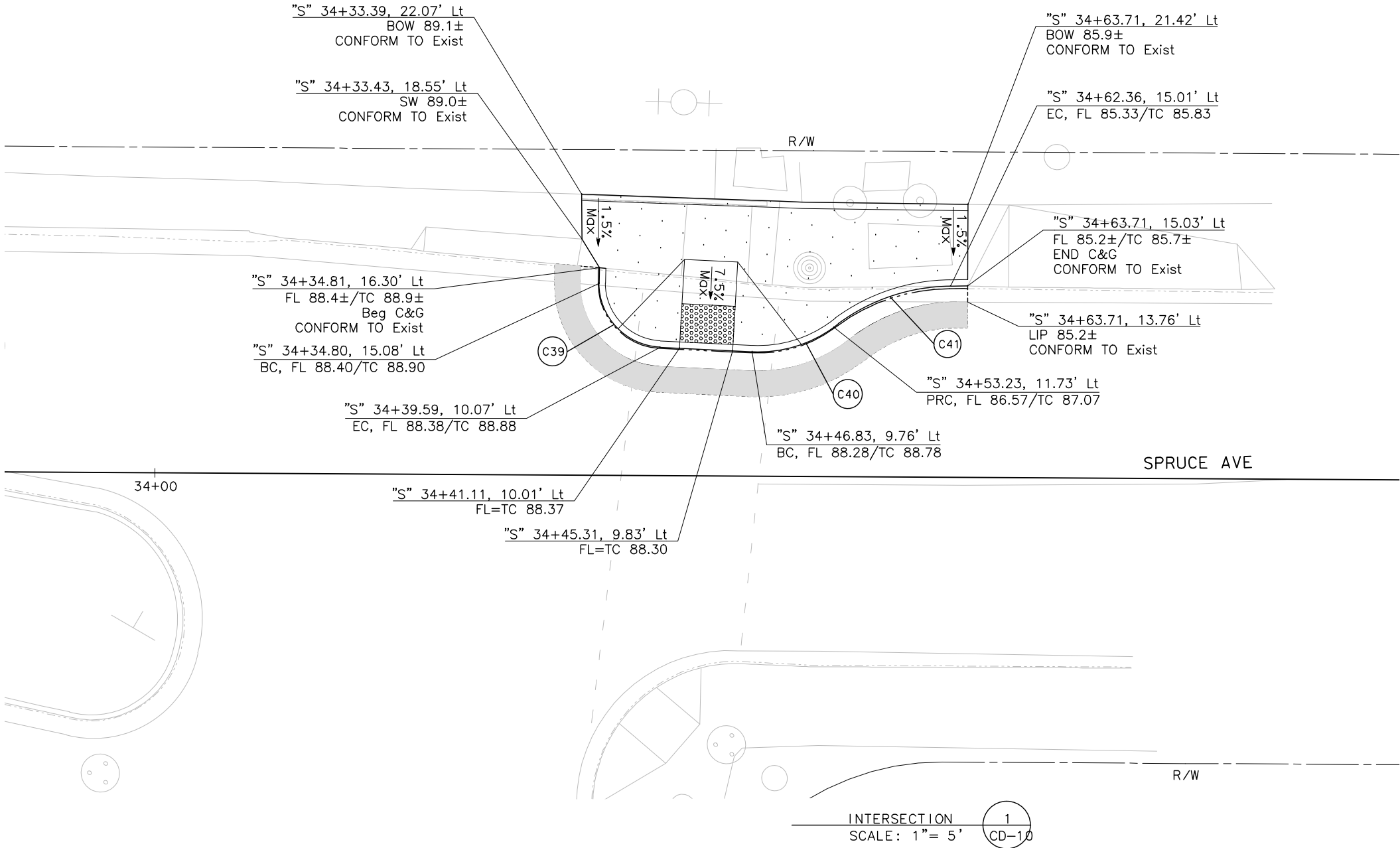
0 2.5 5 10
SCALE: 1"=5'

CD-9
SHEET
24
OF
56

NOTE:
FOR NOTES, SEE SHEET CD-1.



CURVE TABLE				
CURVE #	LENGTH	RADIUS	DELTA	TANGENT
C39	7.65'	5.00'	87°38'12"	4.80'
C40	6.83'	10.00'	39°07'41"	3.55'
C41	9.35'	15.00'	35°43'48"	4.83'



ENGINEERING DIVISION
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By: Matthew Ruble

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REGISTERED CIVIL ENGINEER

DATE 03/05/2020

NO WORK SHALL BE DONE ON THIS SITE UNTIL BELOW AGENCY IS NOTIFIED OF INTENTION TO GRADE OR EXCAVATE.

Underground Service Alert

Call: TOLL FREE 1-800-642-2444

TWO WORKING DAYS BEFORE YOU DIG

CITY OF SOUTH SAN FRANCISCO

PUBLIC WORKS DEPARTMENT

315 MAPLE AVENUE

SOUTH SAN FRANCISCO, CA 94080

MARK THOMAS

3000 OAK ROAD, SUITE 650

WALNUT CREEK, CA 94597

TEL: (925)938-0383

BID SUBMITTAL	
DESIGNED BY:	R. OYEWOLE
DRAWN BY:	J. SORIA
CHECKED BY:	M. COOPER
PROJECT No.:	SJ-17123
DATE:	03/05/2020

LINDEN AVENUE PHASE 2 AND SPRUCE AVENUE TRAFFIC CALMING IMPROVEMENTS PROJECT – ATP

SPRUCE AVENUE CONSTRUCTION DETAILS

0 2.5 5 10

SCALE: 1"=5'

CD-10

SHEET

25

OF

56

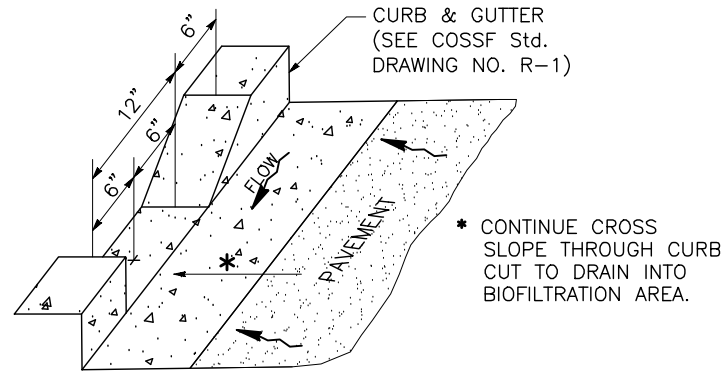
CAD USER: jefre
PLOT DATE: Mar 05, 2020 12:43:30pm
FILE NAME: D-2

NOTES:

1. EXISTING DRAINAGE FACILITY LOCATIONS ARE APPROXIMATE ONLY. VERIFY LOCATION AND ELEVATION BEFORE MODIFYING EXISTING DRAINAGE FACILITIES.
2. FOR ABBREVIATIONS, SEE SHEET G-1.
3. FOR DI DETAIL, SEE DRAWING D-3 IN CITY OF SOUTH SAN FRANCISCO STANDARD PLANS AND SPECIFICATIONS.
4. FOR CURB CUT DETAIL, SEE CURB CUT DETAIL TO THE RIGHT.

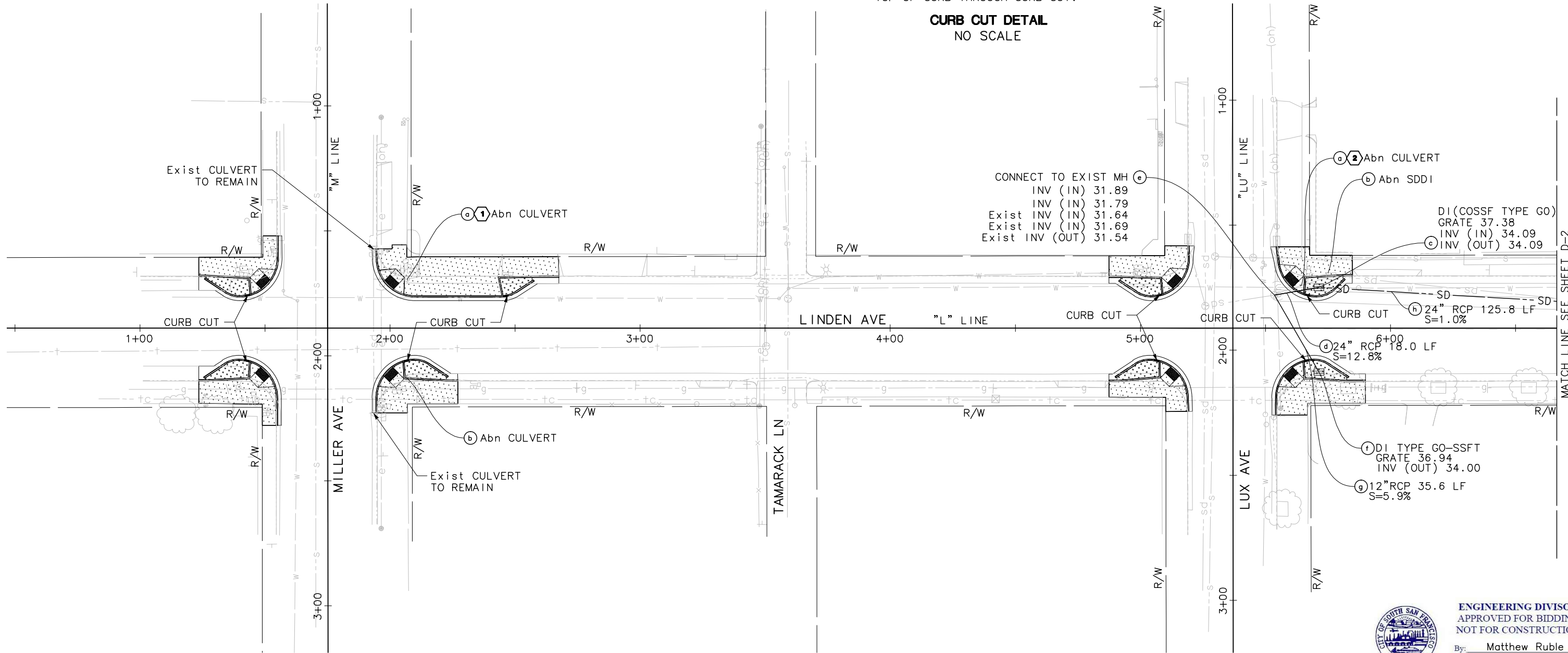
LEGEND:

	BIOFILTRATION AREA
	PROPOSED DI/CI
	PROPOSED SD PIPE
	EXISTING DI/CI
	EXISTING MH
	EXISTING SD PIPE
	DRAINAGE SYSTEM NUMBER
	DRAINAGE SYSTEM UNIT



NOTE: REBAR SHALL MAINTAIN DISTANCE FROM TOP OF CURB THROUGH CURB CUT.

**CURB CUT DETAIL
NO SCALE**



ENGINEERING DIVISION
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By: Matthew Ruble

Date: 03/05/2020

REVISIONS

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Michael Cooper 03/05/2020
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CITY OF SOUTH SAN FRANCISCO
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SOUTH SAN FRANCISCO, CA 94080

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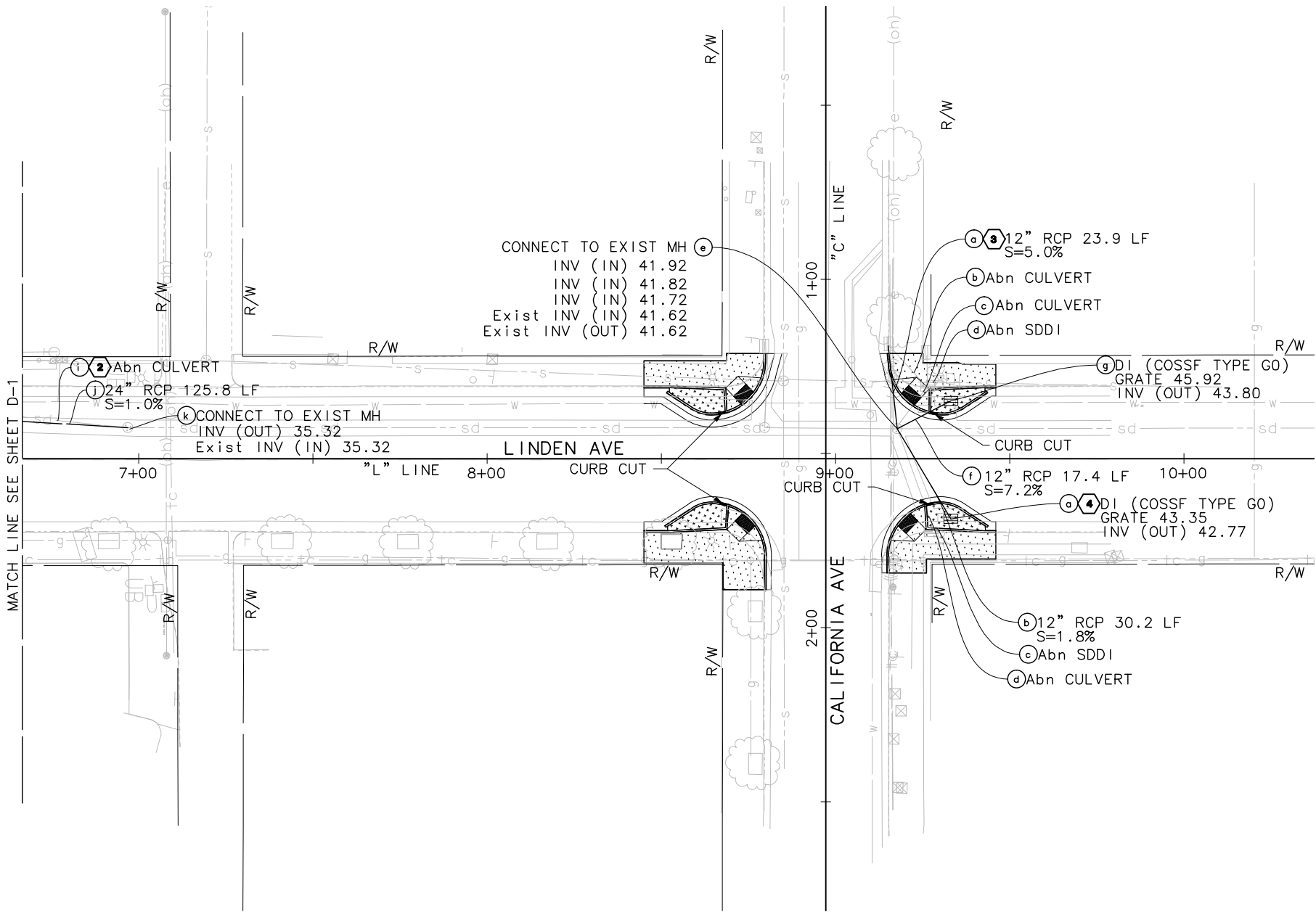
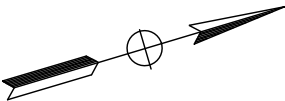
**LINDEN AVENUE PHASE 2 AND
SPRUCE AVENUE TRAFFIC CALMING
IMPROVEMENTS PROJECT - ATP
LINDEN AVENUE
DRAINAGE PLAN**

0 10 20 40
SCALE: 1"=20'

D-1

SHEET
26
OF
56

NOTES:
FOR NOTES AND LEGEND, SEE SHEET D-1.



ENGINEERING DIVISION
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By: Matthew Ruble

Date: 03/05/2020

REVISIONS			
NO.	DESCRIPTION	DATE	BY

REGISTERED PROFESSIONAL ENGINEER

MICHAEL K. COOPER

No. 29072

Exp. 3/31/2021

CIVIL

STATE OF CALIFORNIA

03/05/2020

REGISTERED CIVIL ENGINEER

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Underground Service Alert

Call: TOLL FREE 1-800-642-2444

TWO WORKING DAYS BEFORE YOU DIG

CITY OF SOUTH SAN FRANCISCO

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315 MAPLE AVENUE

SOUTH SAN FRANCISCO, CA 94080

MARK THOMAS

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WALNUT CREEK, CA 94597

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DESIGNED BY: R. OYEWOLE

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CHECKED BY: M. COOPER

PROJECT NO.: SJ-17123

DATE: 03/05/2020

LINDEN AVENUE PHASE 2 AND SPRUCE AVENUE TRAFFIC CALMING IMPROVEMENTS PROJECT - ATP

LINDEN AVENUE DRAINAGE PLAN

0 10 20 40

SCALE: 1"=20'

D-2

SHEET

27

—OF—

56

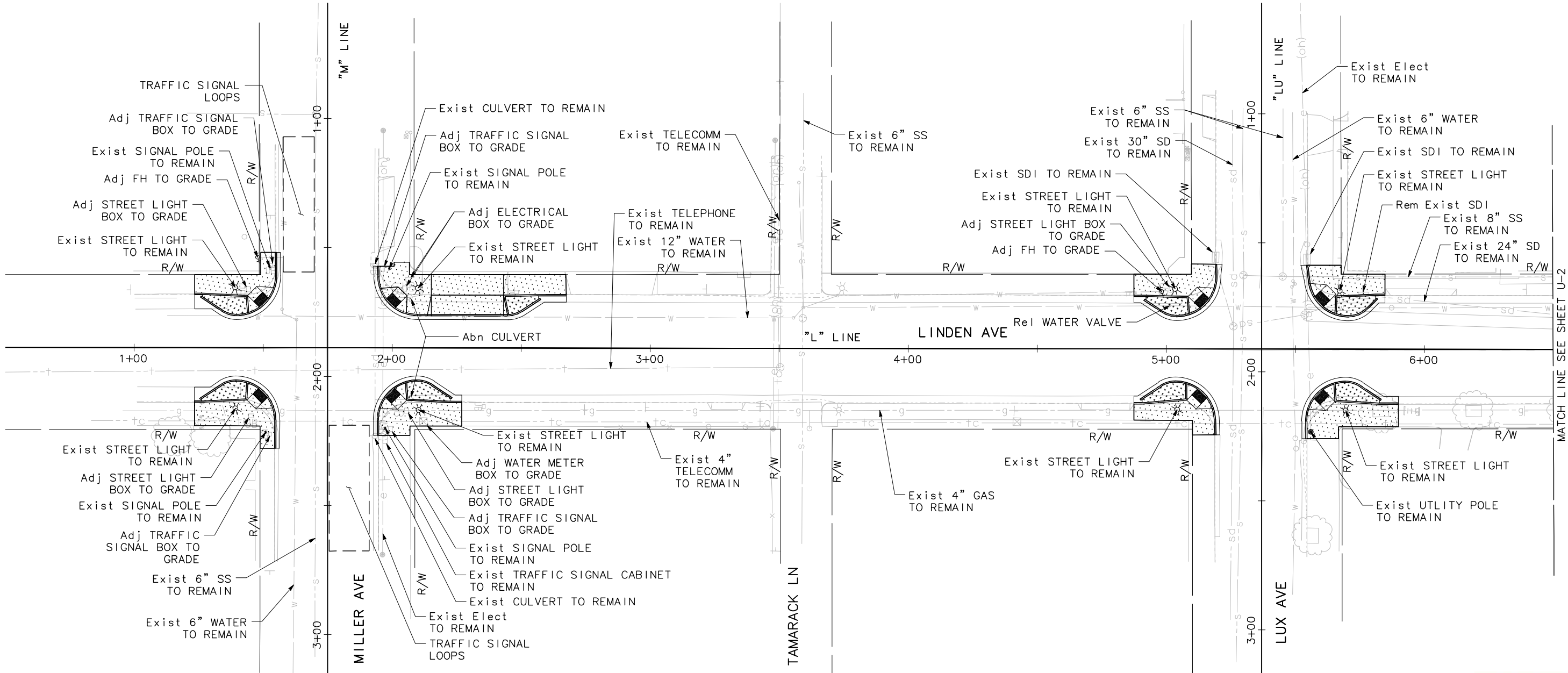
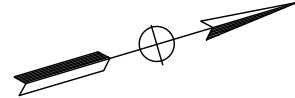
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C:\Users\jane

FILE NAME: U-1

Path: J:\SSC-5\17123-Linden Avenue and Spruce Avenue\CDM\Drawings\Utility & Spruce Phase 2\

NOTES:

1. FOR ABBREVIATIONS AND LEGEND, SEE SHEET G-1.
2. EXISTING UTILITIES AND DRAINAGE SHOWN ARE APPROXIMATE ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATION OF ALL EXISTING UTILITIES AT LEAST 48 HOURS BEFORE EXCAVATION BEGINS. CALL UNDERGROUND SERVICE ALERT AT 811.
3. UTILITIES SHALL BE KEPT IN SERVICE AT ALL TIMES.
4. EXISTING ELECTRIC, GAS, PETROLEUM, SEWER FORCE MAIN AND OTHER UTILITIES IN THE VICINITY OF CONSTRUCTION SHALL REMAIN AND BE PROTECTED IN PLACE AS SHOWN ON THIS SHEET.
5. FOR PROPOSED DRAINAGE FACILITIES, SEE DRAINAGE PLANS.
6. GENERAL CONTRACTOR TO RESTORE TRAFFIC SIGNAL LOOPS IN KIND AND PER CITY STANDARDS.



ENGINEERING DIVISION
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MICHAEL K. COOPER
No. 29072
Exp. 3/31/2021
CIVIL
STATE OF CALIFORNIA
Michael Cooper 03/05/2020
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SOUTH SAN FRANCISCO, CA 94080

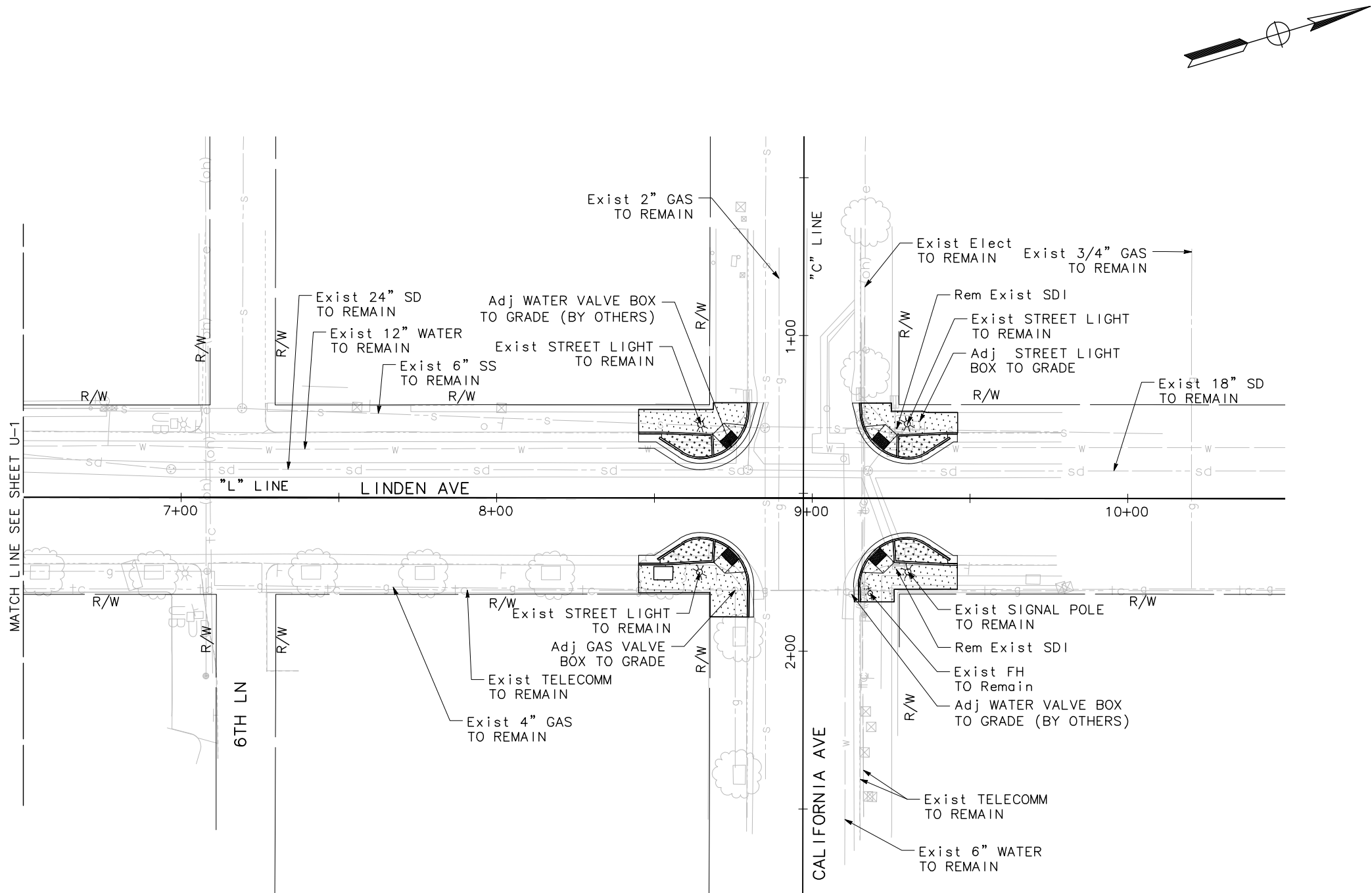
MARK THOMAS
3000 OAK ROAD, SUITE 650
WALNUT CREEK, CA 94597
TEL: (925)938-0383

BID SUBMITTAL
DESIGNED BY: R. OYEWOLE
DRAWN BY: J. SORIA
CHECKED BY: M. COOPER
PROJECT No.: SJ-17123
DATE: 03/05/2020

LINDEN AVENUE PHASE 2 AND
SPRUCE AVENUE TRAFFIC CALMING
IMPROVEMENTS PROJECT - ATP
LINDEN AVENUE
UTILITY PLAN
0 10 20 40
SCALE: 1"=20'

U-1
SHEET
28
OF
56

NOTE:
FOR NOTES, SEE SHEET U-1.



ENGINEERING DIVISION
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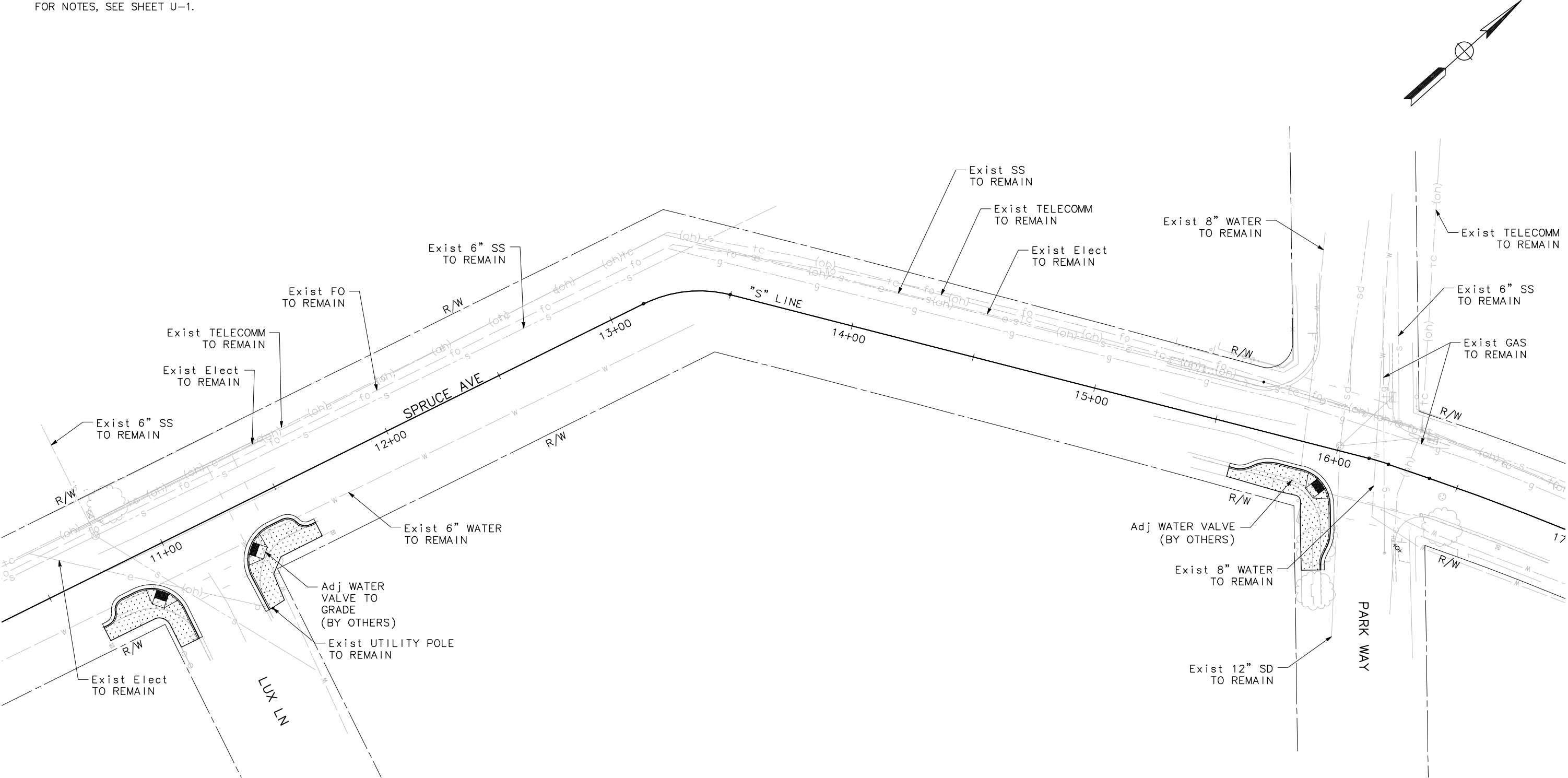
**LINDEN AVENUE PHASE 2 AND
SPRUCE AVENUE TRAFFIC CALMING
IMPROVEMENTS PROJECT - ATP
LINDEN AVENUE
UTILITY PLAN**

0 10 20 40
SCALE: 1"=20'

U-2

SHEET
29
OF
56

NOTE:
FOR NOTES, SEE SHEET U-1.



ENGINEERING DIVISION
APPROVED FOR BIDDING
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CIVIL
STATE OF CALIFORNIA

Michael Cooper 03/05/2020
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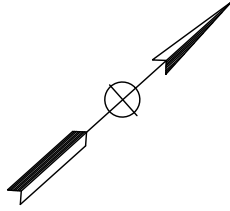
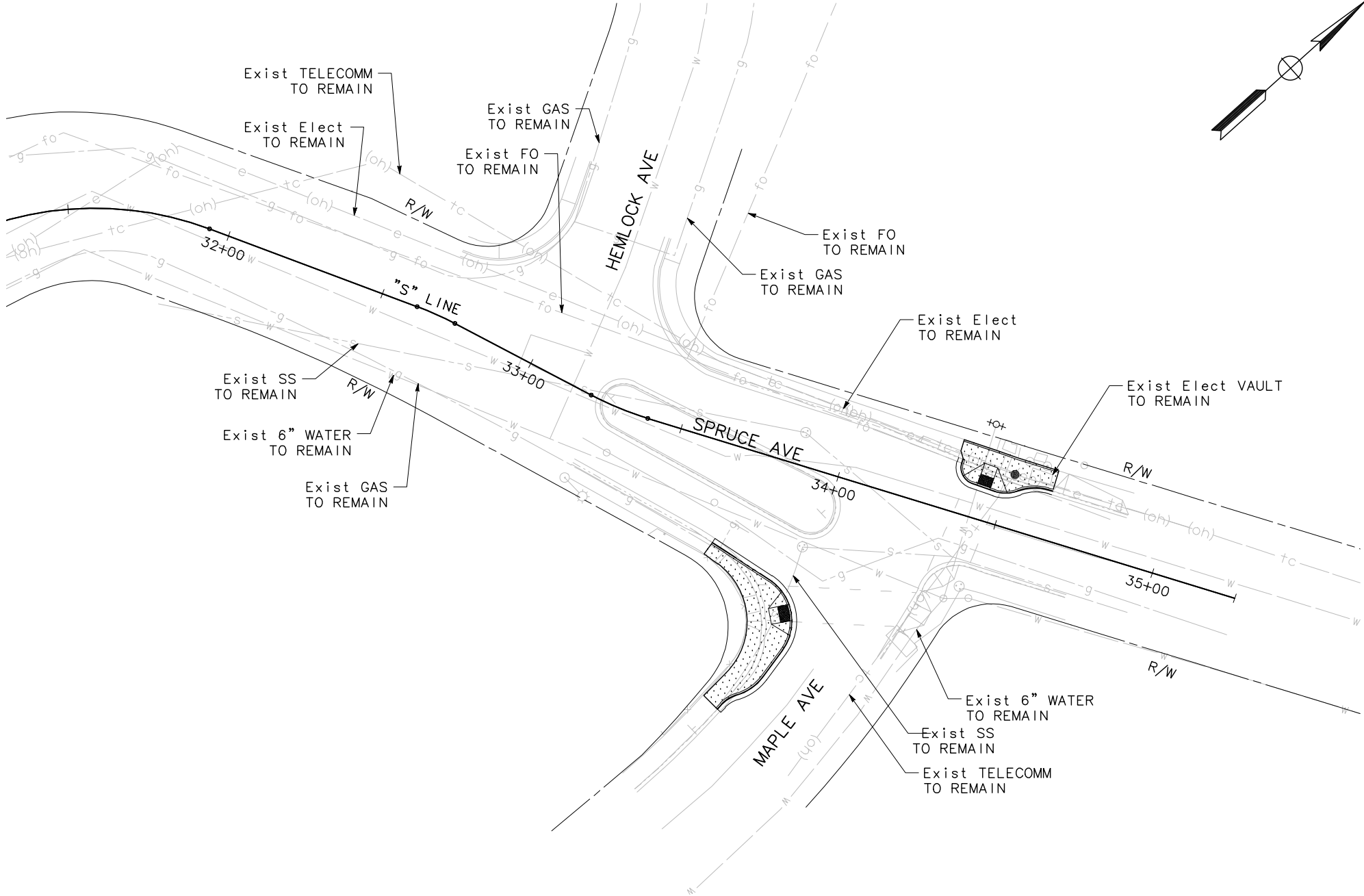
**LINDEN AVENUE PHASE 2 AND
SPRUCE AVENUE TRAFFIC CALMING
IMPROVEMENTS PROJECT - ATP
SPRUCE AVENUE
UTILITY PLAN**

0 10 20 40
SCALE: 1"=20'

U-3


SHEET
30
OF
56

NOTE:
FOR NOTES, SEE SHEET U-1.



ENGINEERING DIVISION
APPROVED FOR BIDDING
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Michael Cooper 03/05/2020
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PROJECT No.: SJ-17123
DATE: 03/05/2020

**LINDEN AVENUE PHASE 2 AND
SPRUCE AVENUE TRAFFIC CALMING
IMPROVEMENTS PROJECT – ATP**

**SPRUCE AVENUE
UTILITY PLAN**

0 10 20 40
SCALE: 1"=20'

U-4

SHEET
31
OF
56

CAD USER: jefre

FILE NAME: LSA_PWD-PD

PA TH: A:\SSP-5\17123-Under Avenue and Spruce Avenue\CAD\Drawings\Under & Spruce Phase 2\

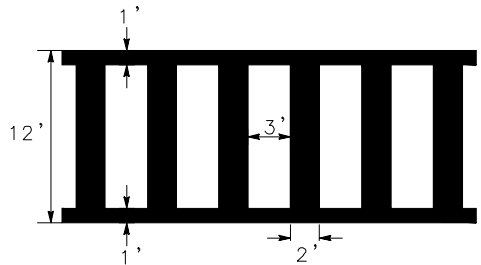
NOTES:

1. THIS PLAN ACCURATE FOR PAVEMENT DELINEATION AND SIGNAGE ONLY.
2. PAVEMENT MARKINGS ARE PER 2014 MUTCD AND CALTRANS STANDARD PLANS (2015) UNLESS OTHERWISE NOTED.
3. ALL PAVEMENT MARKINGS AND STRIPES THAT CONFLICT WITH THE NEW INSTALLATION ARE TO BE REMOVED.
4. EXACT LOCATION AND POSITION OF ROADSIDE SIGNS TO BE DETERMINED BY ENGINEER.
5. ALL STRIPING AND PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED. ALL THERMOPLASTIC TO BE SKID/SLIP RESISTANT WITH ENHANCED WET NIGHT VISIBILITY.
6. ALL LIMIT LINES SHALL BE 12" SOLID WHITE.
7. SEE CALTRANS 2015 STANDARD PLANS FOR ABBREVIATIONS AND LEGENDS NOT SHOWN.
8. FOR RRFB DETAILS SEE ELECTRICAL PLANS, SHEET E-1.

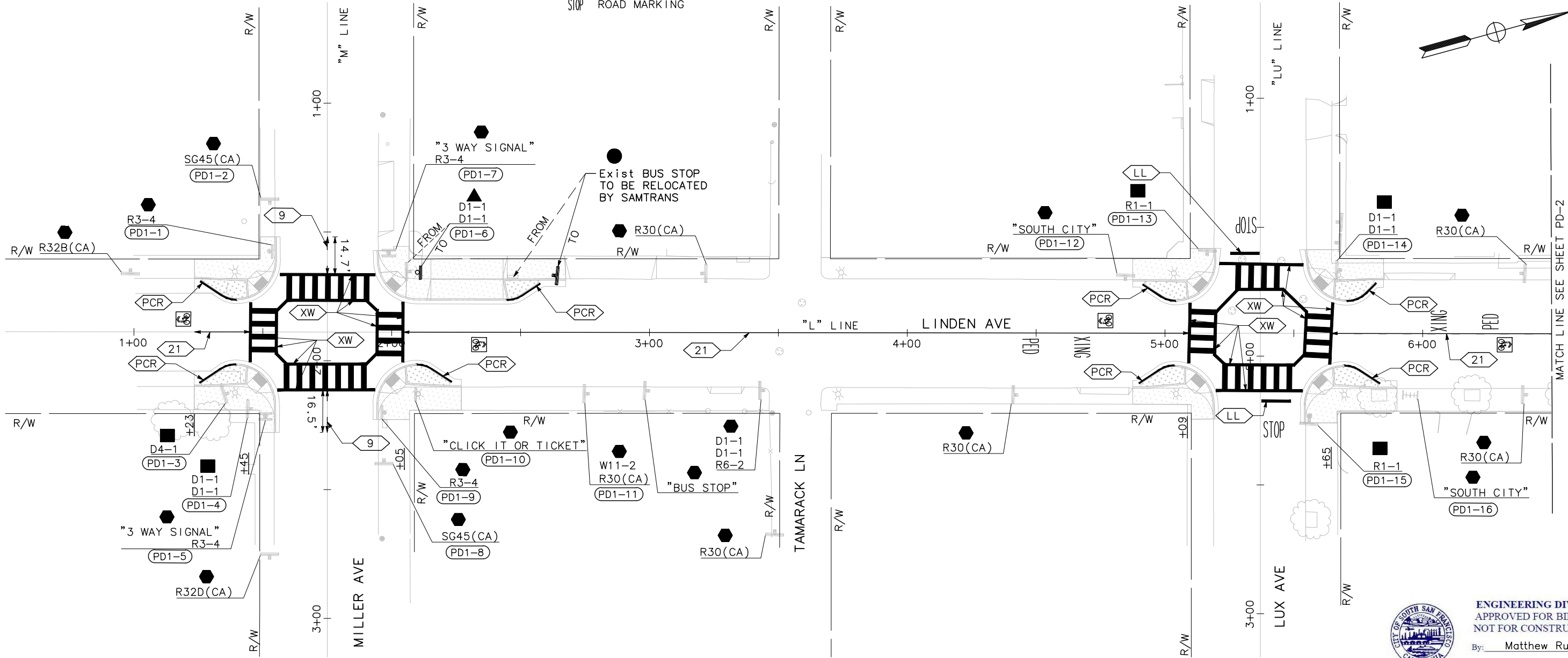
LEGEND:

- RELOCATE ROADSIDE SIGN
- EXISTING SIGN TO REMAIN
- RESET EXISTING SIGN
- RELOCATE BUS STOP SIGN (BY OTHERS)
- EXISTING ROADSIDE SIGN (ONE POST)
- ROADSIDE SIGN (ONE POST)
- EXISTING SSBM SIGN
- RELOCATED SSBM PANEL TO EXISTING STREET LIGHT
- SHARED LANE MARKING
- STOP ROAD MARKING

- PAVEMENT DELINEATION DETAIL
- 24" WIDE CROSSWALK STRIPING
- LIMIT LINE PAVEMENT MARKING
- PAINTED CURB (RED)
- Rem EXISTING STRIPING
- LIMITS OF PROPOSED STRIPING



CROSSWALK LADDER
DETAIL
NO SCALE



ENGINEERING DIVISION
APPROVED FOR BIDDING
NOT FOR CONSTRUCTION
By: Matthew Ruble
Date: 03/05/2020

REVISIONS			
NO.	DESCRIPTION	DATE	BY

REGISTERED PROFESSIONAL ENGINEER
MICHAEL K. COOPER
No. 29072
Exp. 3/31/2021
CIVIL
STATE OF CALIFORNIA
Michael Cooper 03/05/2020
REGISTERED CIVIL ENGINEER DATE

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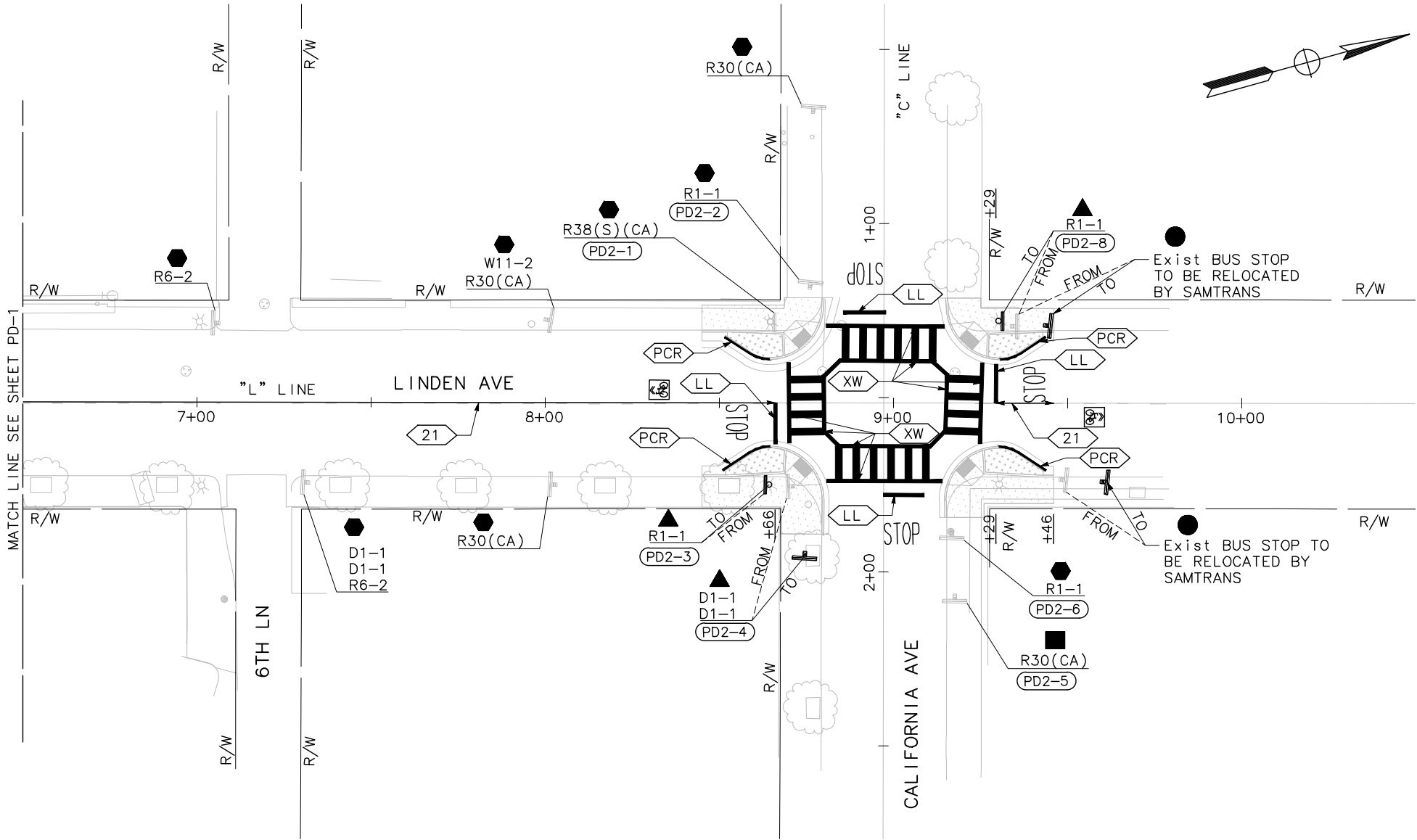
MARK THOMAS
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TEL: (925)938-0383

BID SUBMITTAL
DESIGNED BY: S. LEE
DRAWN BY: N. ENG
CHECKED BY: M. COOPER
PROJECT No.: SJ-17123
DATE: 03/05/2020

LINDEN AVENUE PHASE 2 AND
SPRUCE AVENUE TRAFFIC CALMING
IMPROVEMENTS PROJECT - ATP
LINDEN AVENUE
PAVEMENT DELINEATION & SIGNING PLAN
0 10 20 40
SCALE: 1"=20'

PD-1
SHEET
32
OF
56

NOTE:
FOR NOTES, SEE SHEET PD-1.



ENGINEERING DIVISION
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TEL: (925)938-0383

BID SUBMITTAL

DESIGNED BY: S. LEE

DRAWN BY: N. ENG

CHECKED BY: M. COOPER

PROJECT No.: SJ-17123

DATE: 03/05/2020

LINDEN AVENUE PHASE 2 AND SPRUCE AVENUE TRAFFIC CALMING IMPROVEMENTS PROJECT - ATP LINDEN AVENUE PAVEMENT DELINEATION & SIGNING PLAN

0 10 20 40
SCALE: 1"=20'

PD-2

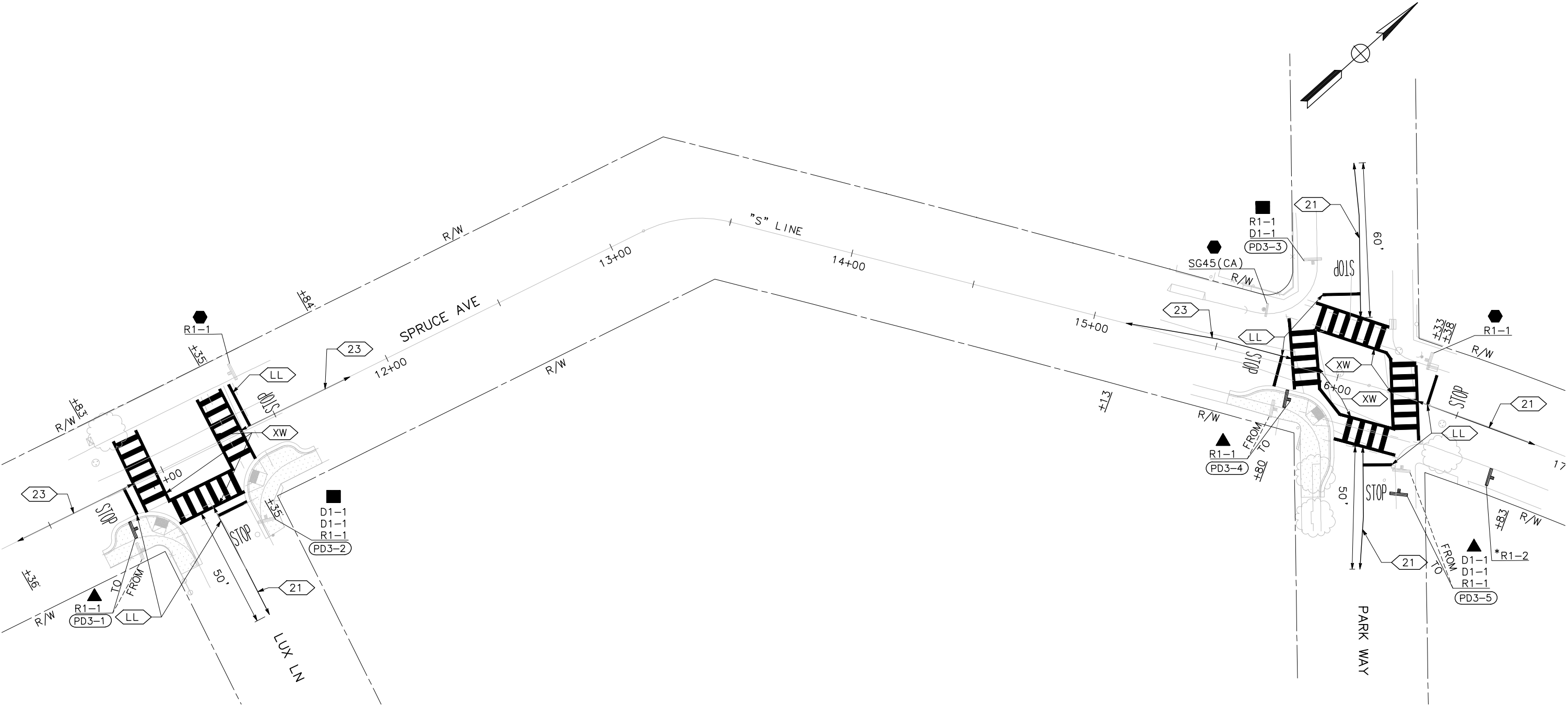
SHEET

33

OF

56

NOTE:
FOR NOTES, SEE SHEET PD-1.



ENGINEERING DIVISION
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Michael K. Cooper
03/05/2020
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TWO WORKING DAYS BEFORE YOU DIG

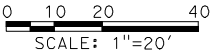
CITY OF SOUTH SAN FRANCISCO
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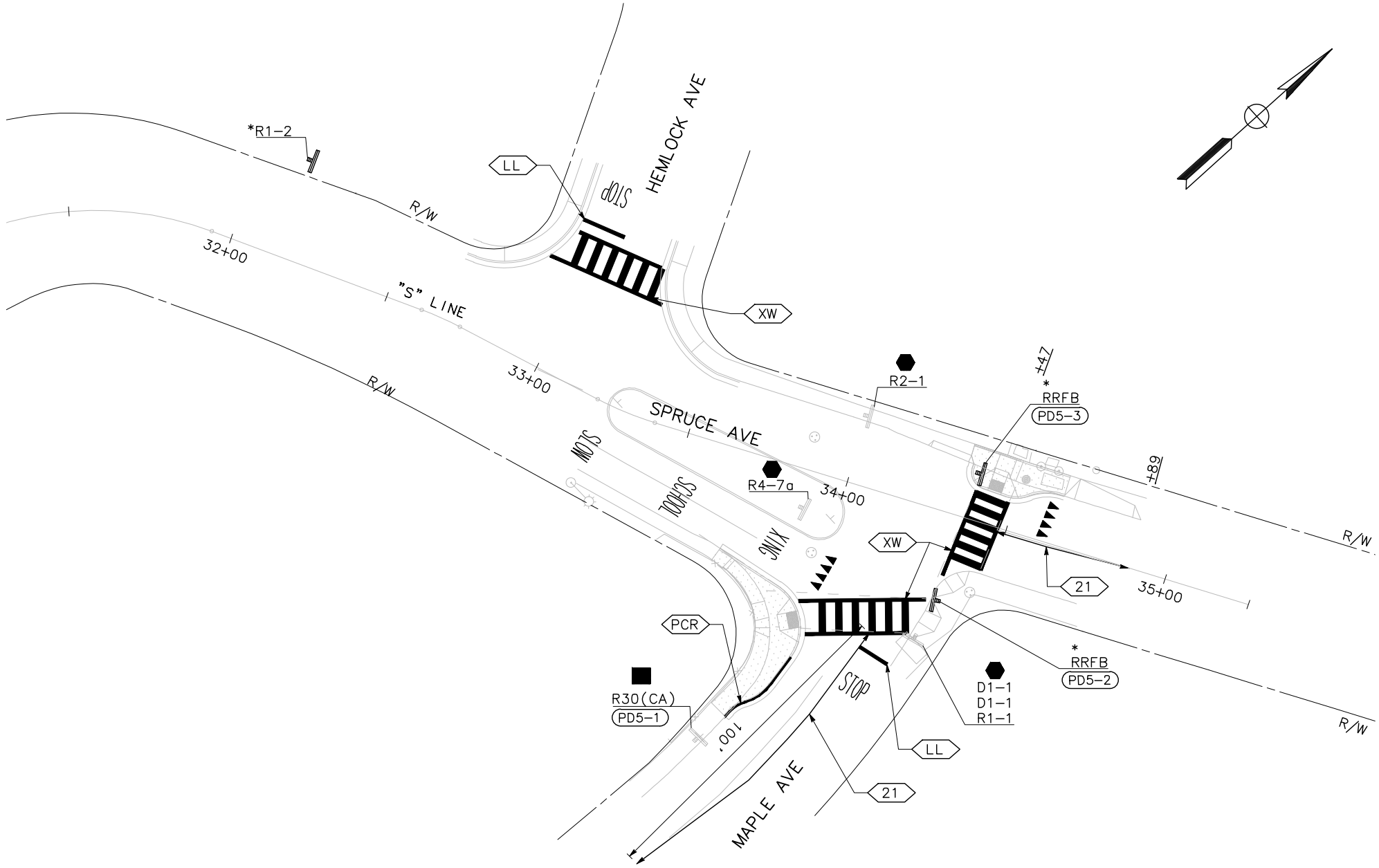
LINDEN AVENUE PHASE 2 AND
SPRUCE AVENUE TRAFFIC CALMING
IMPROVEMENTS PROJECT - ATP
SPRUCE AVENUE
PAVEMENT DELINEATION & SIGNING PLAN



PD-3

SHEET
34
OF
56

NOTE:
FOR NOTES, SEE SHEET PD-1.



ENGINEERING DIVISION
APPROVED FOR BIDDING
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By: Matthew Ruble

Date: 03/05/2020

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Exp. 3/31/2021

CIVIL

STATE OF CALIFORNIA

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WALNUT CREEK, CA 94597

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BID SUBMITTAL

DESIGNED BY: S. LEE

DRAWN BY: J. SORIA

CHECKED BY: M. COOPER

PROJECT No.: SJ-17123

DATE: 03/05/2020

LINDEN AVENUE PHASE 2 AND SPRUCE AVENUE TRAFFIC CALMING IMPROVEMENTS PROJECT - ATP

SPRUCE AVENUE PAVEMENT DELINEATION & SIGNING PLAN

SCALE: 1"=20'

PD-4

SHEET

35

OF

56

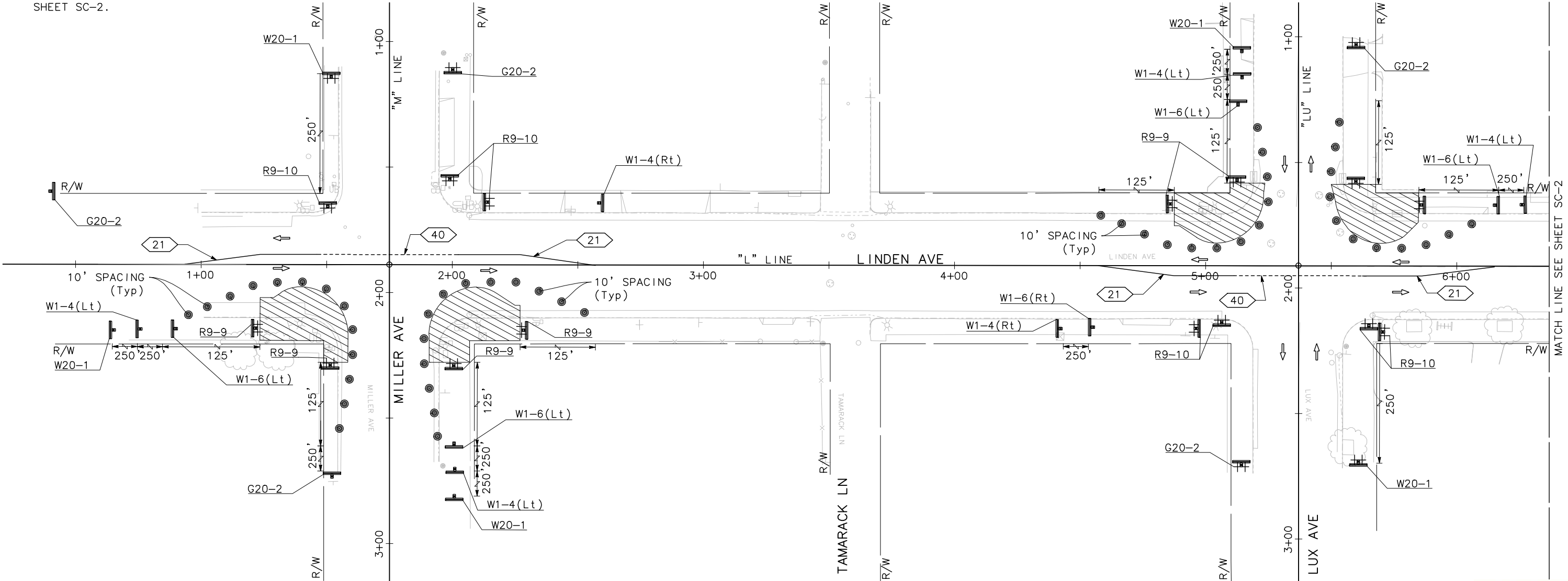
NOTES:

1. ALL UTILITIES WILL BE CONSTRUCTED OR RELOCATED PRIOR TO COMMENCING WORK IN AREAS IMPACTED BY THE STAGE CONSTRUCTION WORK.
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3. FOR PERMANENT STRIPING DETAILS, SEE PAVEMENT DELINEATION AND SIGNING PLANS.
4. CONSTRUCTION OF BULBOUTS SHALL NOT BE DONE CONCURRENTLY IN ORDER TO MAINTAIN PEDESTRIAN ACCESS ALONG LINDEN AVENUE AT ALL TIMES.
5. CONTRACTOR SHALL COORDINATE WITH SAMTRANS TO MAINTAIN EXISTING BUS STOP AT SAME VICINITY.
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13. CONTRACTOR SHALL PREVENT PARKING TO MAINTAIN CLEAR TRAVEL LANES DURING ALL CONSTRUCTIONS STAGES.

LEGEND:

- CONSTRUCT THIS STAGE
- TRAFFIC CONE
- BARRICADE
- TEMPORARY TRAFFIC CONTROL SIGN ON BARRICADE
- TEMPORARY TRAFFIC CONTROL SIGN
- PORTABLE FLASHING BEACON
- TEMPORARY PAVEMENT DELINEATION DETAIL NUMBER



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Date: 03/05/2020

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CITY OF SOUTH SAN FRANCISCO
PUBLIC WORKS DEPARTMENT
315 MAPLE AVENUE
SOUTH SAN FRANCISCO, CA 94080

MARK THOMAS
3000 OAK ROAD, SUITE 650
WALNUT CREEK, CA 94597
TEL: (925)938-0383

BID SUBMITTAL

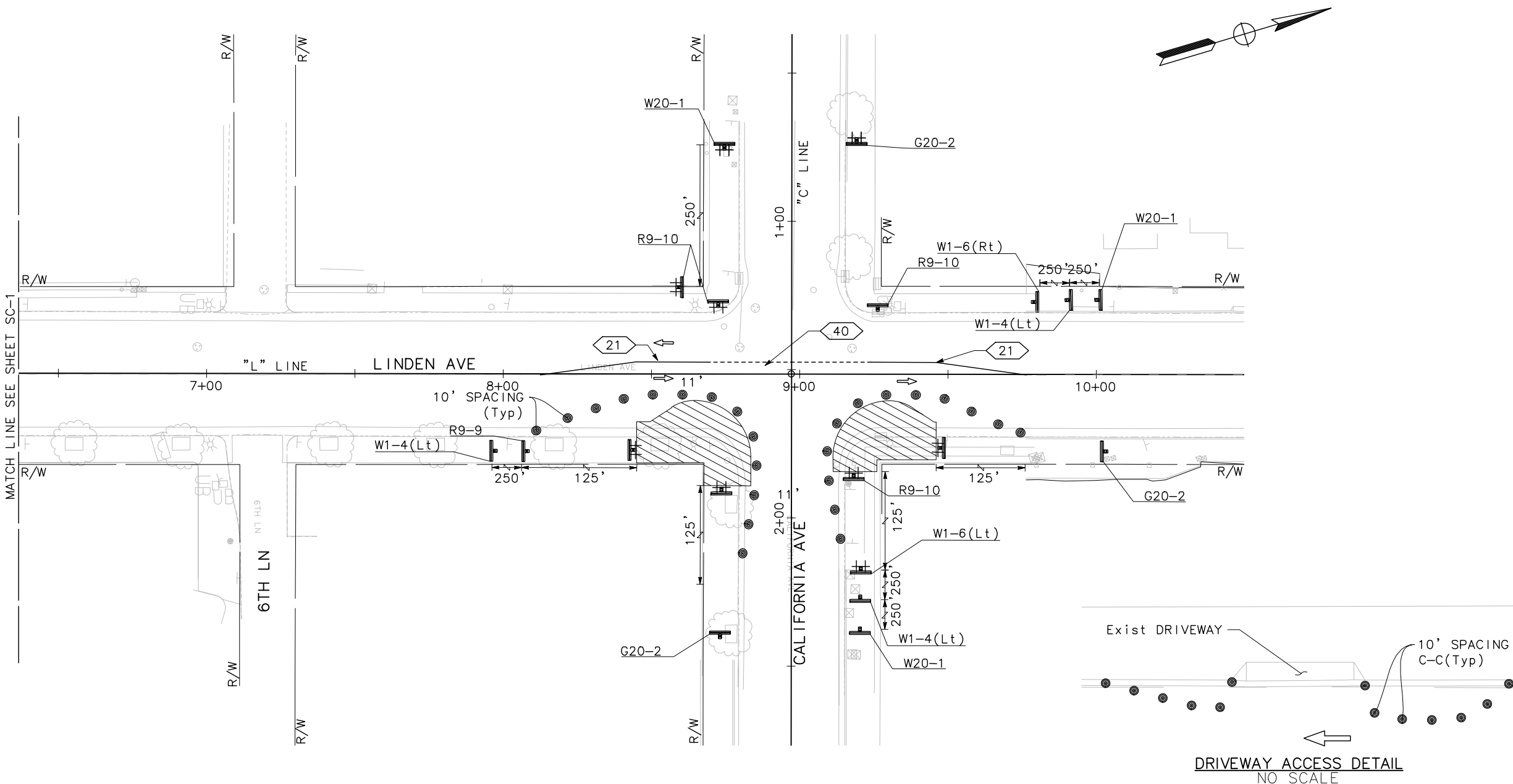
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DRAWN BY: J. SORIA
CHECKED BY: M. COOPER
PROJECT No.: SJ-17123
DATE: 03/05/2020

LINDEN AVENUE PHASE 2 AND
SPRUCE AVENUE TRAFFIC CALMING
IMPROVEMENTS PROJECT - ATP
LINDEN AVENUE
STAGE CONSTRUCTION-TRAFFIC HANDLING PLANS STAGE 1

0 10 20 40
SCALE: 1"=20'

SC-1
SHEET
36
OF
56

NOTE:
FOR NOTES AND LEGEND, SEE SHEET SC-1.



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REGISTERED PROFESSIONAL ENGINEER
MICHAEL K. COOPER
No. 29072
Exp. 3/31/2021
CIVIL
STATE OF CALIFORNIA
Michael Cooper 03/05/2020
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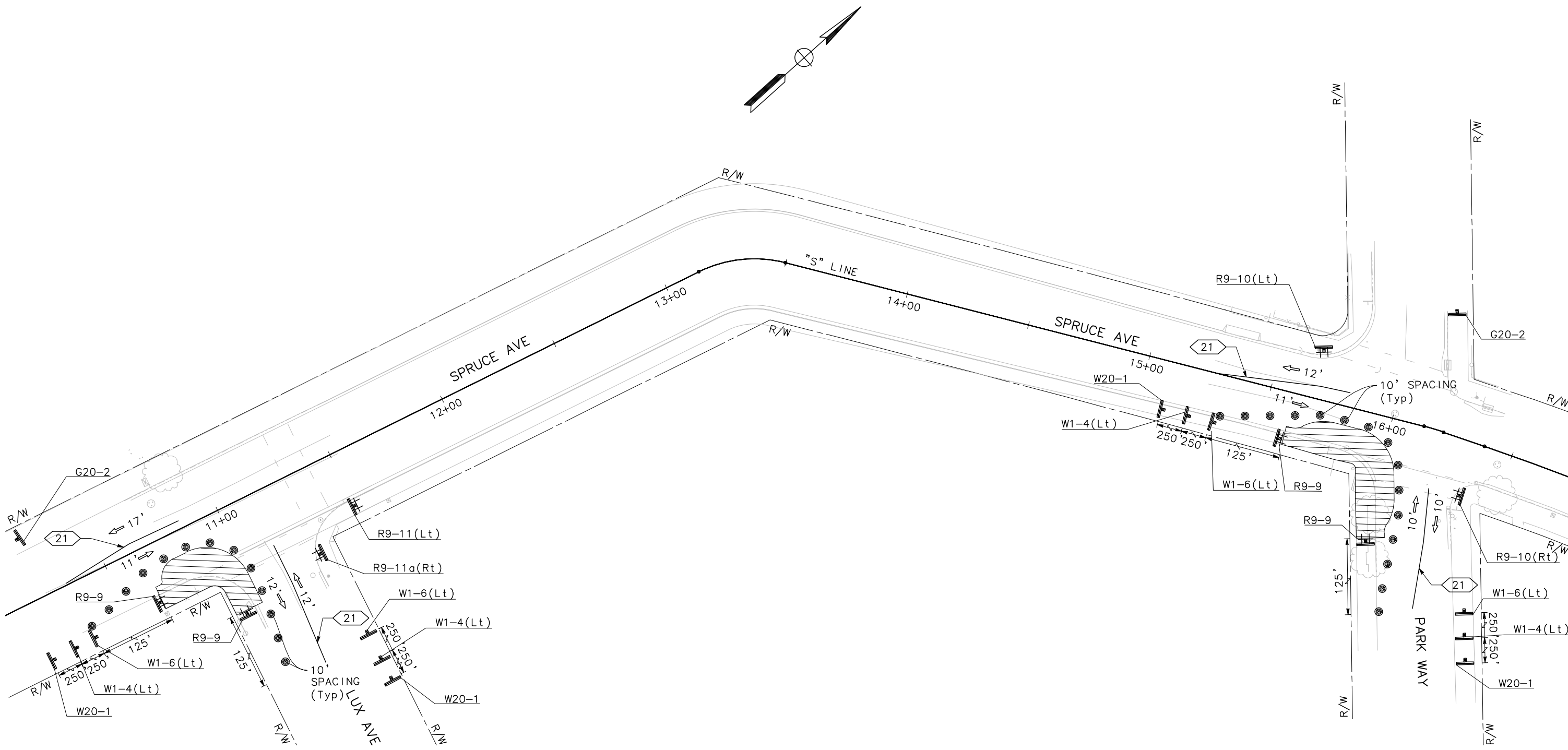
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LINDEN AVENUE
STAGE CONSTRUCTION-TRAFFIC HANDLING PLANS STAGE 1
0 10 20 40
SCALE: 1"=20'

SC-2
SHEET
37
OF
56

NOTE:
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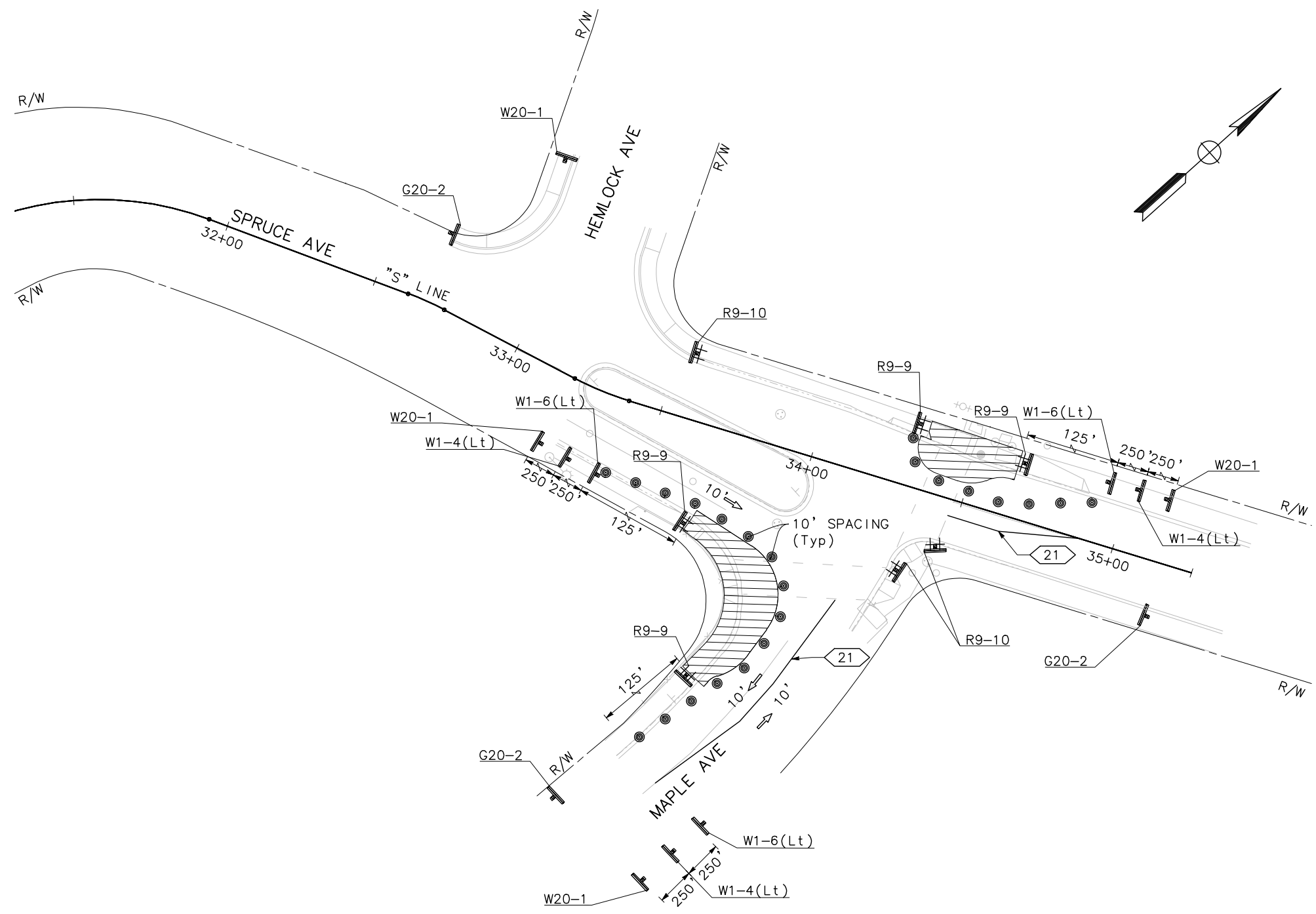

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SPRUCE AVENUE
STAGE CONSTRUCTION-TRAFFIC HANDLING PLANS STAGE 1
0 10 20 40
SCALE: 1"=20'


SC-3
SHEET
38
OF
56

NOTE:
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IMPROVEMENTS PROJECT - ATP**
SPRUCE AVENUE
STAGE CONSTRUCTION-TRAFFIC HANDLING PLANS STAGE 1
0 10 20 40
SCALE: 1"=20'

SC-4
SHEET
39
OF
56

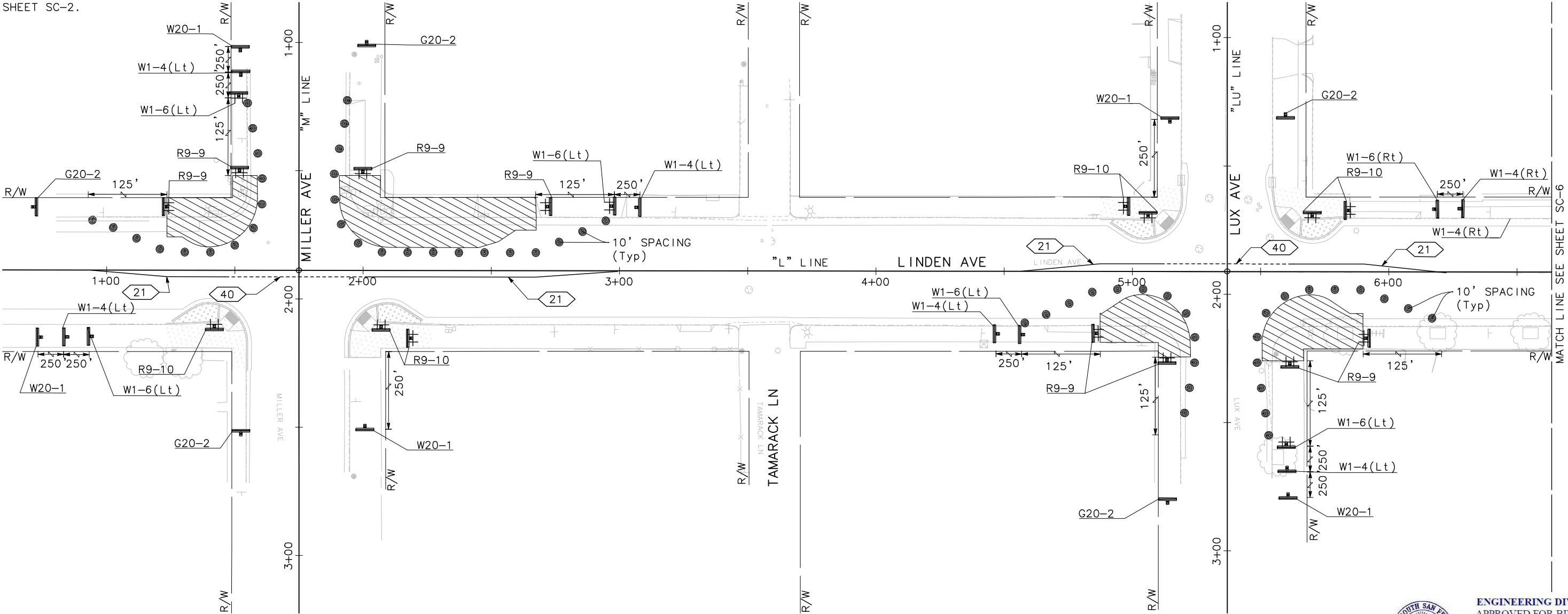
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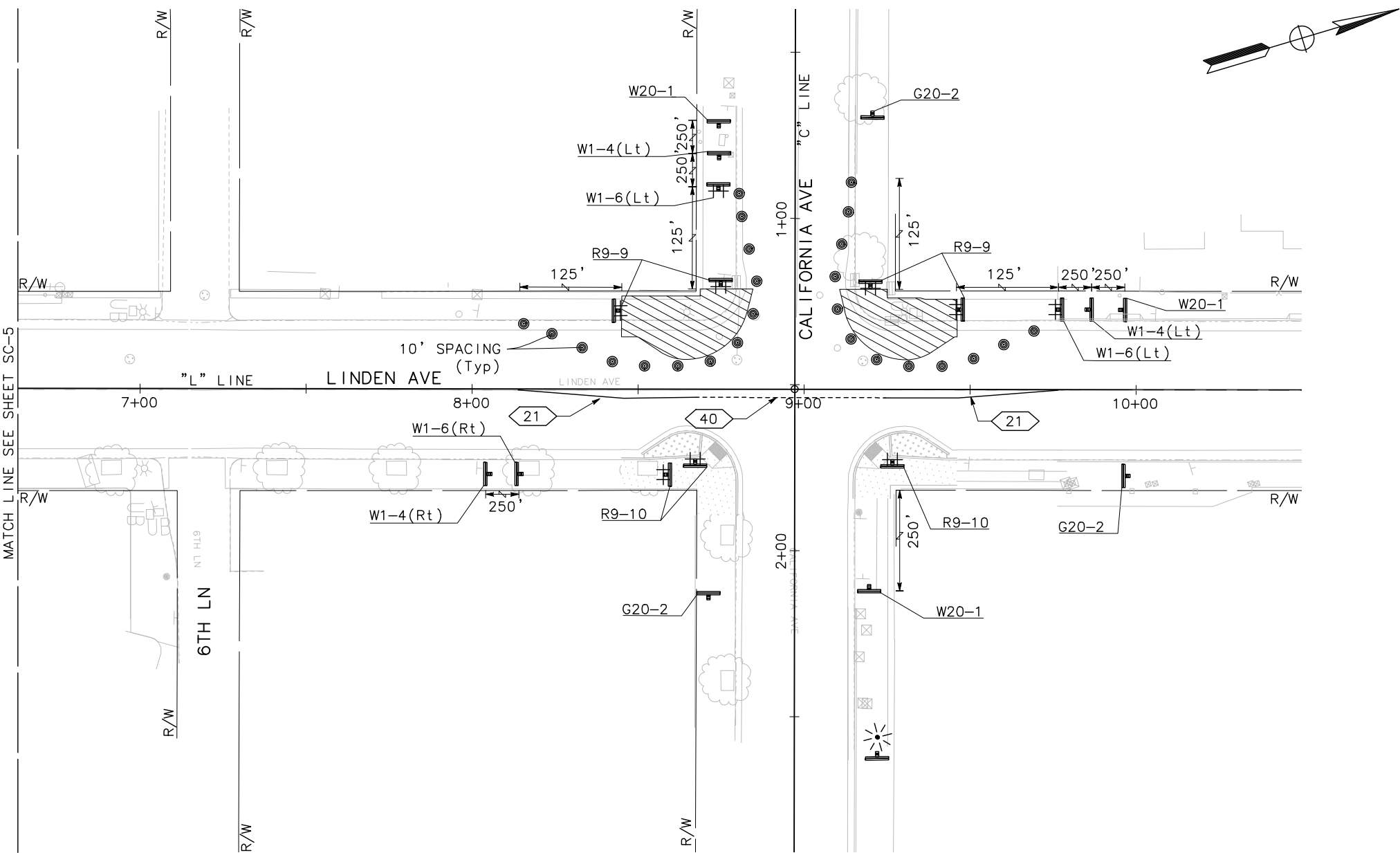
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IMPROVEMENTS PROJECT - ATP
LINDEN AVENUE
STAGE CONSTRUCTION-TRAFFIC HANDLING PLANS STAGE 2**

0 10 20 40
SCALE: 1"=20'

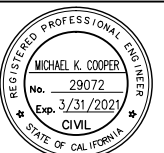
SC-5
SHEET
40
OF
56

NOTE:
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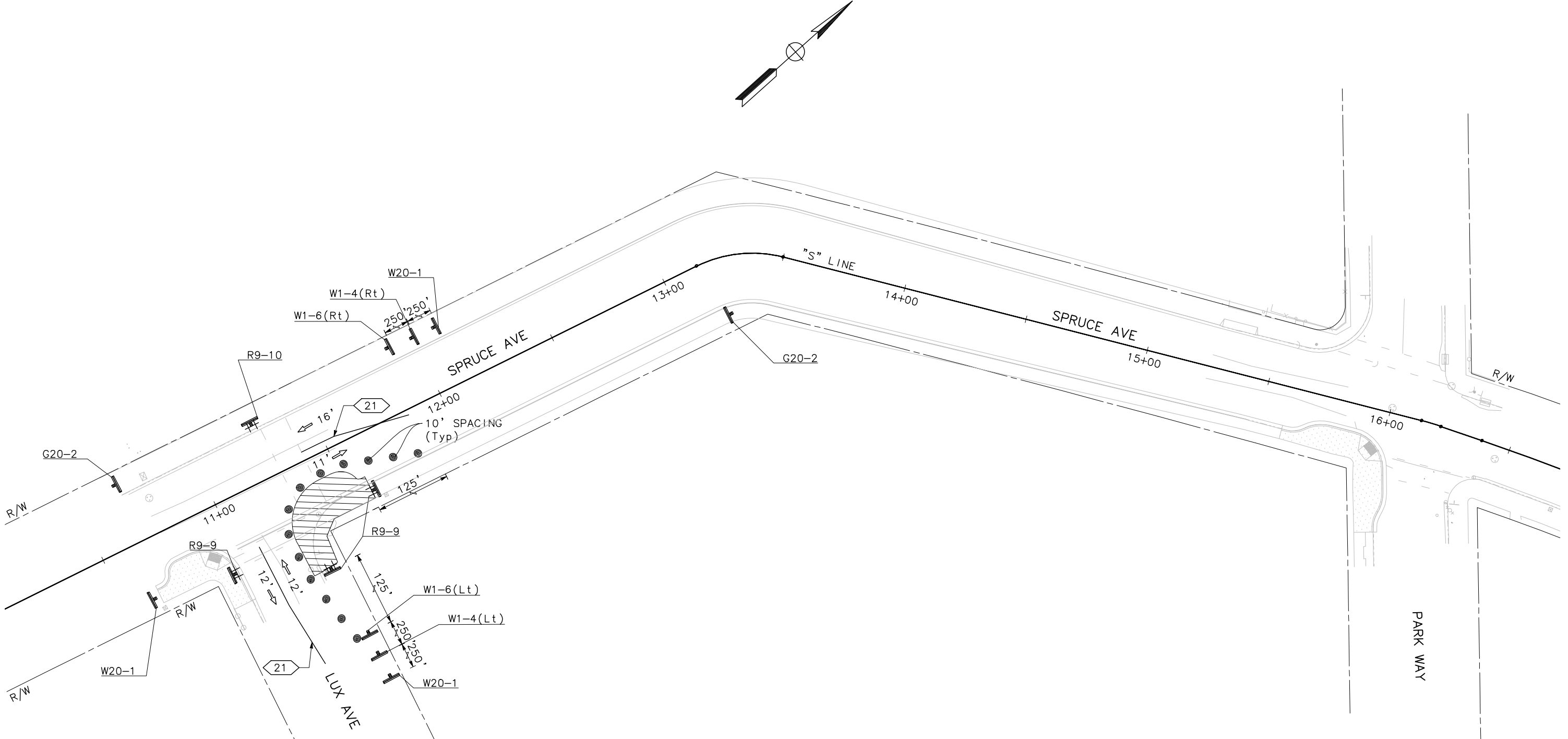
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LINDEN AVENUE
STAGE CONSTRUCTION-TRAFFIC HANDLING PLANS STAGE 2**

0 10 20 40
SCALE: 1"=20'

SC-6
SHEET
41
OF
56

NOTE:
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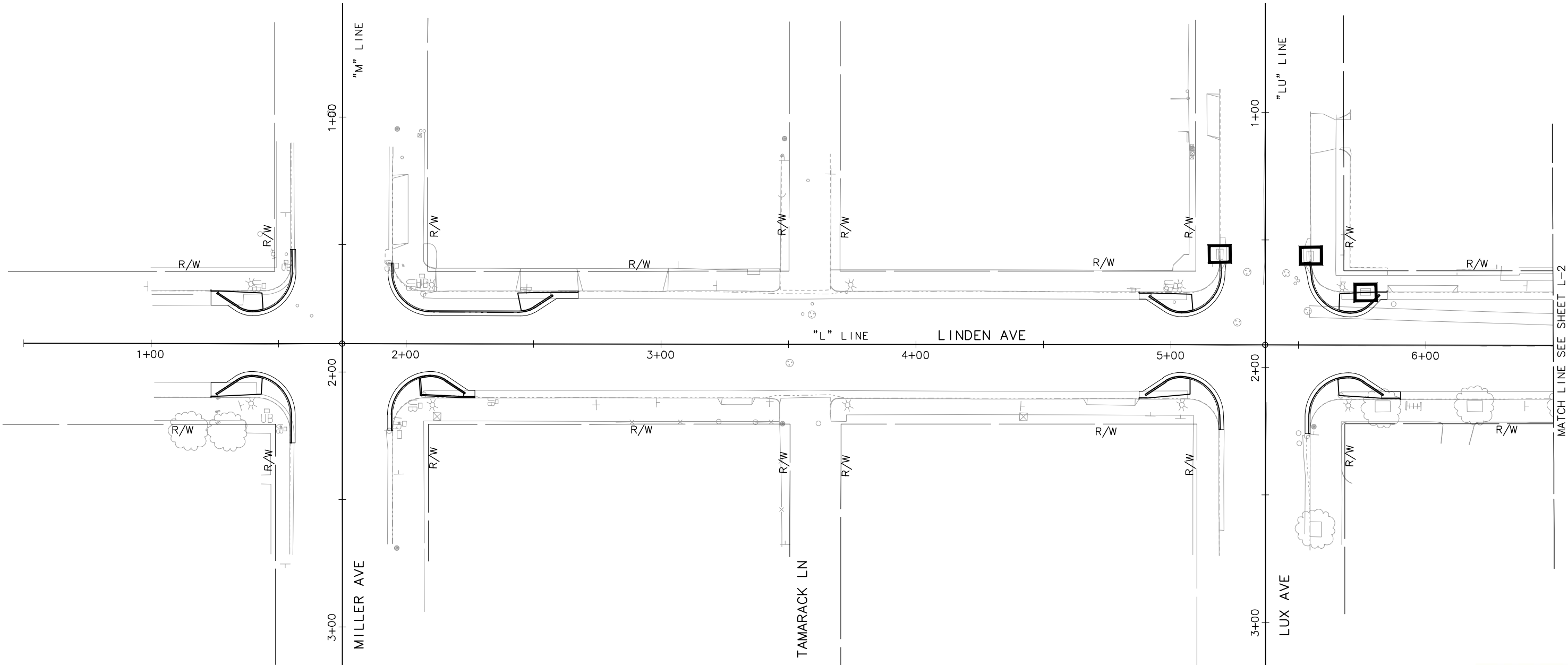
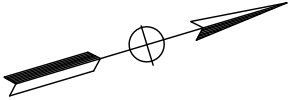
**LINDEN AVENUE PHASE 2 AND
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IMPROVEMENTS PROJECT - ATP**
SPRUCE AVENUE
STAGE CONSTRUCTION-TRAFFIC HANDLING PLANS STAGE 2
0 10 20 40
SCALE: 1"=20'

SC-7
SHEET
42
—OF—
56

- NOTES:
- 1. DIMENSION MAY VARY TO FIT FIELD CONDITIONS.
 - 2. PLACE SAFETY CONES ADJACENT TO DRAINAGE INLET PROTECTION.
 - 3. TEMPORARY WATER POLLUTION CONTROL DETAILS ARE PER CALTRANS STANDARD PLANS (2015) UNLESS OTHERWISE NOTED.

LEGEND:

□ TEMPORARY DRAINAGE INLET PROTECTION
(SEE STANDARD PLANS T-61 TO T-64)



ENGINEERING DIVISION
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MARK THOMAS

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LINDEN AVENUE PHASE 2 AND SPRUCE AVENUE TRAFFIC CALMING IMPROVEMENTS PROJECT – ATP

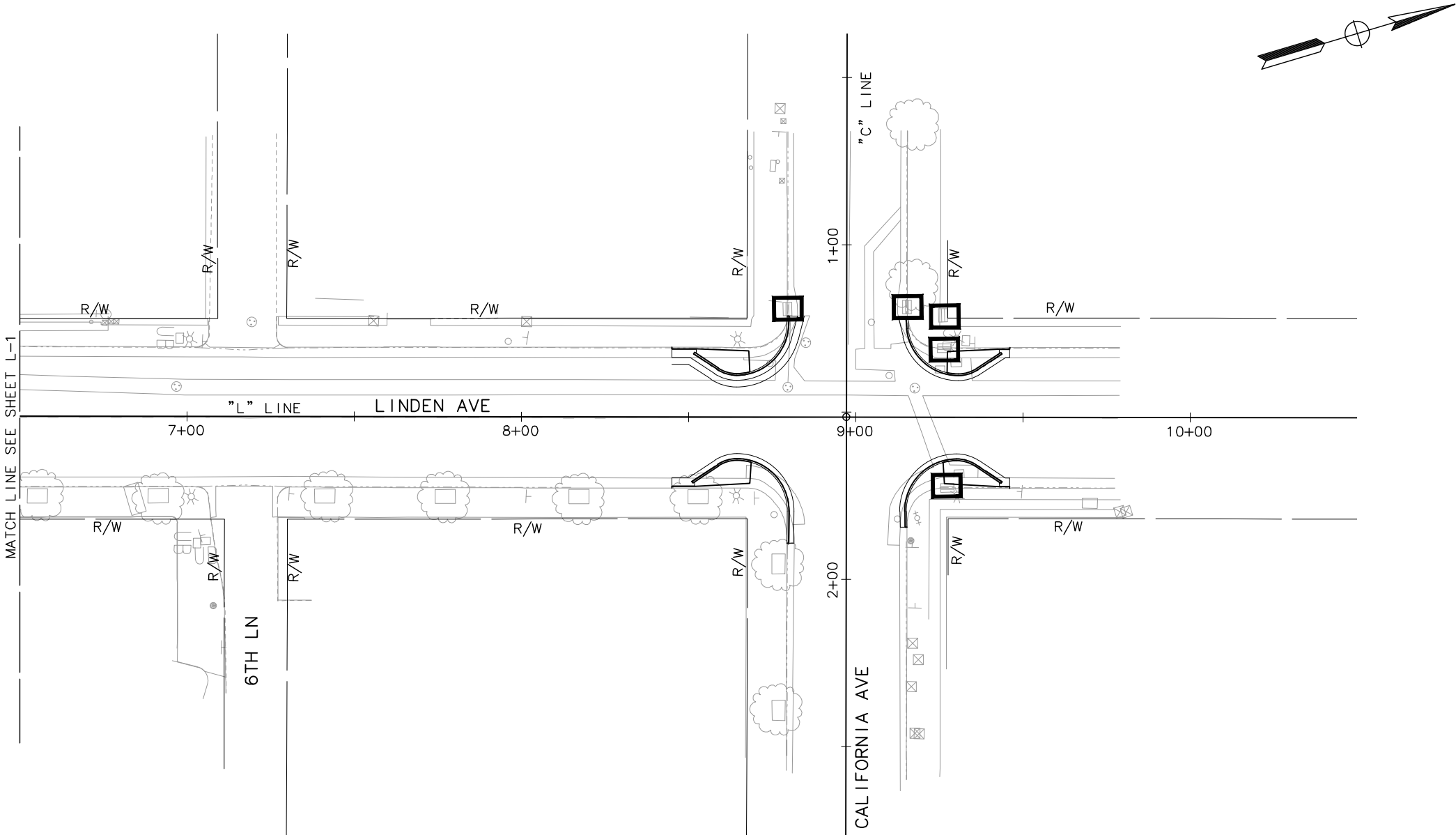
LINDEN AVENUE

WATER POLLUTION CONTROL PLAN

0 10 20 40
SCALE: 1"=20'


WPC-1	
SHEET	43
OF	56

NOTE:
FOR NOTES AND LEGEND, SEE SHEET WPC-1.



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IMPROVEMENTS PROJECT - ATP
LINDEN AVENUE
WATER POLLUTION CONTROL PLAN**

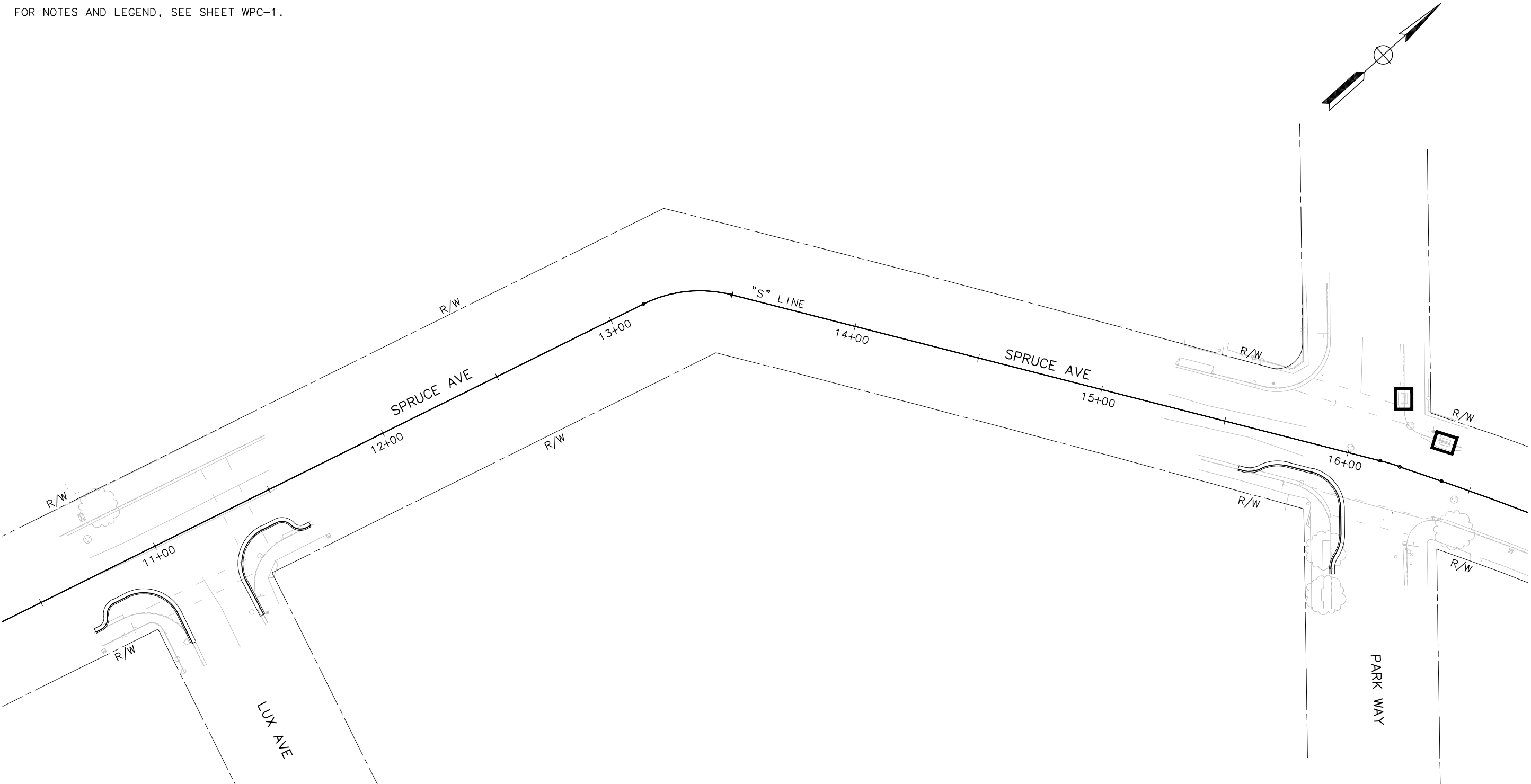
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WPC-2

SHEET
44
—OF—
56

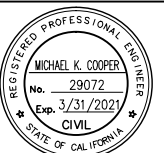
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CAD USER: Jdane

NOTE:
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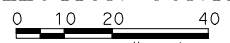

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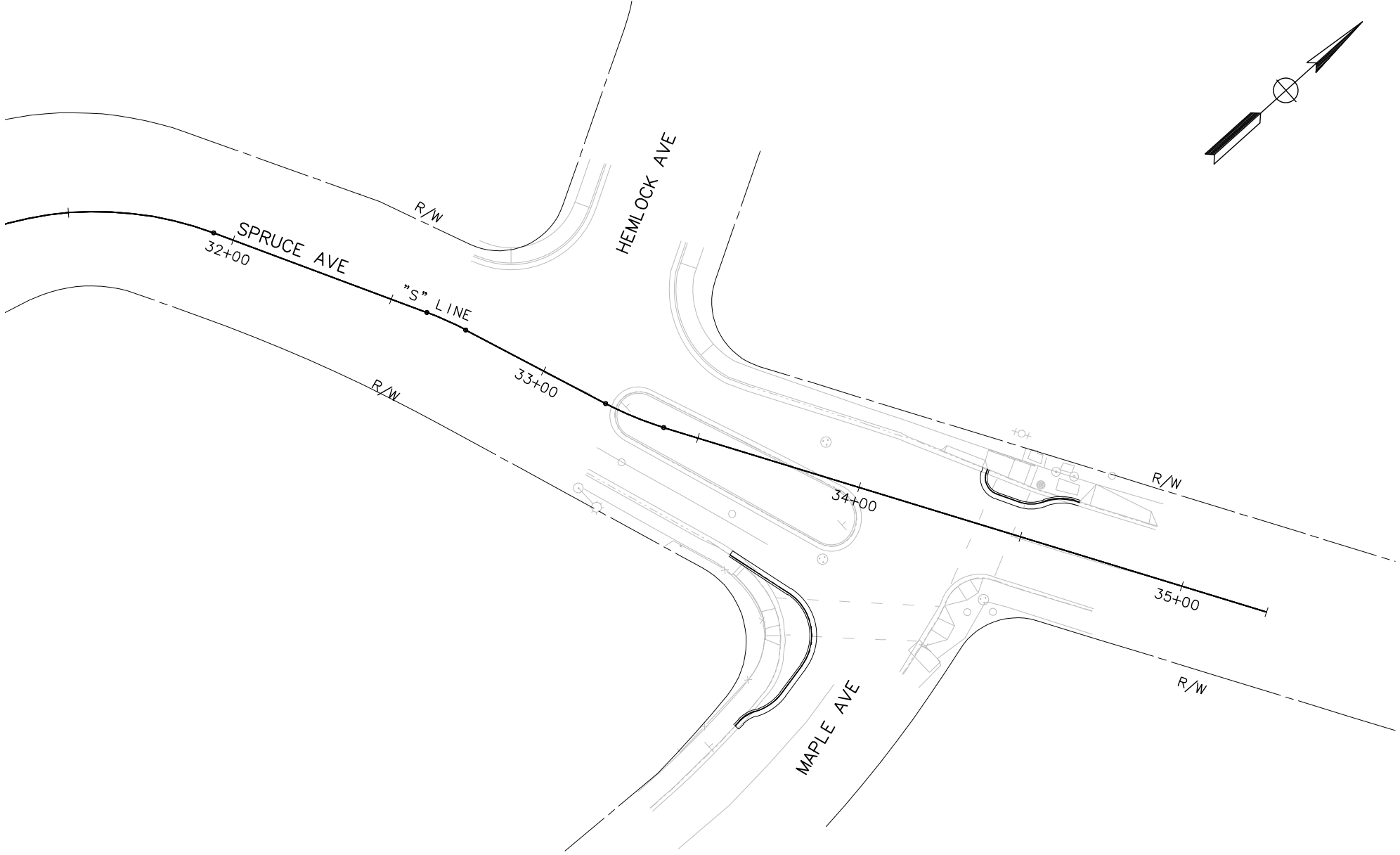
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IMPROVEMENTS PROJECT – ATP
SPRUCE AVENUE
WATER POLLUTION CONTROL PLAN**

SCALE: 1"=20'

WPC-3
SHEET
45
— OF —
56

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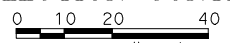


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LINDEN AVENUE PHASE 2 AND
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IMPROVEMENTS PROJECT – ATP
SPRUCE AVENUE
WATER POLLUTION CONTROL PLAN



SCALE: 1"=20'

WPC-4

SHEET
46
—OF—
56

CAD USER: jefre
PLOT DATE: Mar 05, 2020 12:18:05pm
FILE NAME: WPC-5
Path: A:\SSP-5\17123-Under Avenue and Spruce Avenue\CAD\DWG\Sheet\Under & Spruce Phase 2\

IRRIGATION LEGEND

IRRIGATION CONTROLLER: SEE PHASE 1 PLANS.

IRRIGATION POINT OF CONNECTION: SEE PHASE 1 PLANS.

GATE VALVE: NIBCO T-113, OR APPROVED EQUAL. SIZE PER LINE. INSTALL PER DETAIL

SUBSURFACE DRIP CONTROL ZONE KIT: RAINBIRD XCZLF-100-PRF

QUICK COUPLING VALVE: RAINBIRD 44LRC. INSTALL PER DETAIL

EXISTING PRESSURIZED WATER LINE

IRRIGATION SUPPLY LINE: COPPER TYPE K, 1" DIA. INSTALLATION AND CONNECTION TO HOT TAP AND METER BY CALIFORNIA WATER SERVICE.

IRRIGATION MAINLINE: 1" DIA: CLASS 200 PVC

IRRIGATION LATERAL: SCH 40 PVC, SIZE PER PLAN

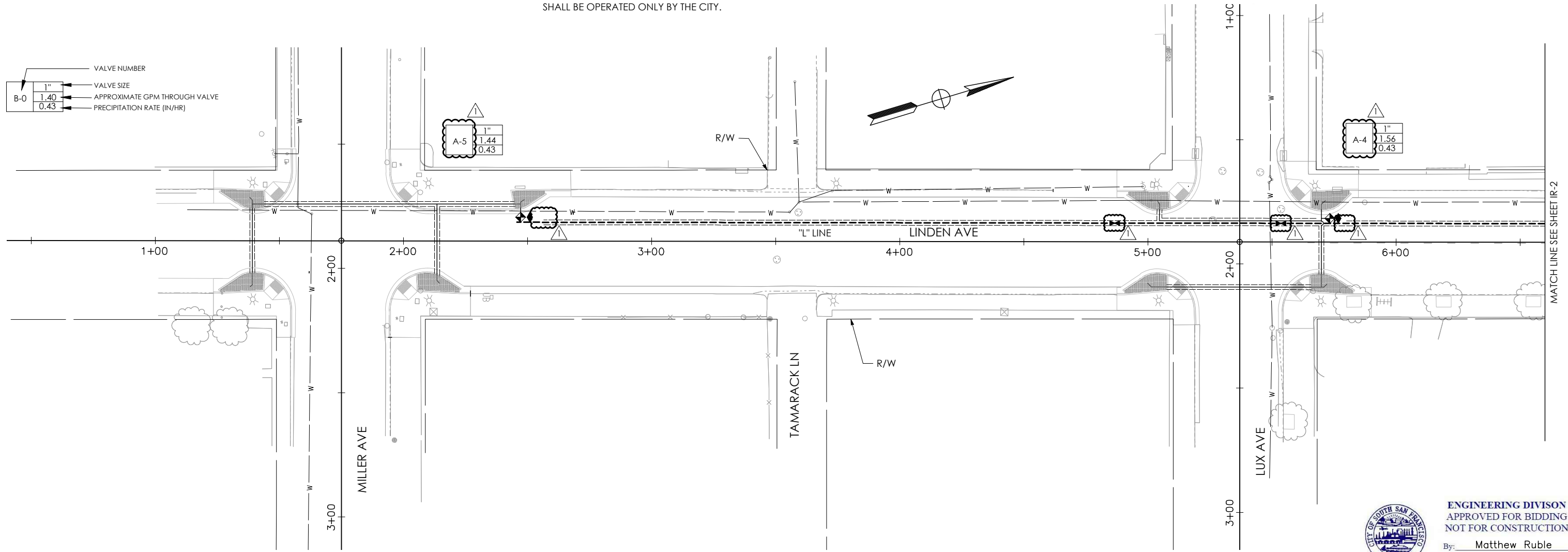
IRRIGATION SLEEVE: SCH 40 PVC, SIZE AS REQUIRED

AREA TO RECEIVE RAIN BIRD XFCV-06-18 SUBSURFACE INLINE DRIP SYSTEM AT 18" SPACING WITH AIR RELIEF VALVE, FLUSH VALVE, INLET CHECK VALVE AND ANTI-SIPHON FEATURE.

IRRIGATION NOTES

1. THE IRRIGATION SYSTEM IS BASED ON 60 PSI AND 1.56 GPM AVAILABLE AT DISCHARGE OF METER. THE CONTRACTOR SHALL VERIFY WATER PRESSURE PRIOR TO CONSTRUCTION. WATER PRESSURE TEST SHALL BE PERFORMED PER CAL WATER SPECIFICATIONS. REPORT TO THE ENGINEER ANY DIFFERENCE BETWEEN THE WATER PRESSURE SHOWN ON THE DRAWINGS AND THE ACTUAL PRESSURE READING AT THE POINT OF CONNECTION. IN THE EVENT PRESSURE DIFFERENCES ARE NOT REPORTED IN WRITING PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY NECESSARY REVISIONS.
2. THESE PLANS ARE DIAGRAMMATIC. ALL PIPING, VALVES, ETC., SHOWN WITHIN PAVED AREAS ARE FOR DESIGN CLARIFICATION ONLY. INSTALL PIPING AND VALVES IN PLANTING AREAS WHERE POSSIBLE, AND LOCATE ELECTRIC CONTROL AND QUICK COUPLING VALVES IN GROUND COVER/SHRUB AREAS, 6" TO 12" AWAY FROM EDGE OF SIDEWALK FOR EASY ACCESS. DO NOT WILLFULLY INSTALL THE IRRIGATION SYSTEM AS DIAGRAMMATICALLY SHOWN ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT OBSTRUCTIONS, GRADE DIFFERENCES OR DIFFERENCES IN SITE DIMENSIONS EXIST THAT MIGHT NOT HAVE BEEN FORESEEN AND CONSIDERED IN THE ENGINEERING. THE ENGINEER MUST BE INFORMED IN WRITING OF SUCH OBSTRUCTIONS AND DIFFERENCES, IF THIS NOTIFICATION IS NOT PERFORMED, THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY REVISIONS AND REPAIR WORK NECESSARY.
3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FAMILIARIZE HIMSELF WITH GRADE DIFFERENCES, LOCATION OF WALLS, STRUCTURES, AND UTILITIES. THE CONTRACTOR SHALL EXERCISE EXTREME CARE AND BE RESPONSIBLE FOR ANY DAMAGE IN EXCAVATING AND WORKING NEAR EXISTING UTILITIES. HE SHALL COORDINATE HIS WORK FOR THE LOCATION OF UTILITIES AND THE INSTALLATION OF PIPE SLEEVES THROUGH WALLS, UNDER ROADWAYS, AND NEAR STRUCTURES. PRIOR TO CONSTRUCTION, CONTACT ALL APPLICABLE AGENCIES AND U.S.A. AT (800) 642-2444 TO FIELD LOCATE ALL EXISTING UTILITIES.
4. FOR ADDITIONAL INFORMATION, SEE PROJECT DETAILS AND SPECIFICATIONS.
5. CONSTRUCTION OF WATER SERVICES SHALL BE PER CAL WATER STANDARD DETAILS. EXISTING VALVES SHALL BE OPERATED ONLY BY THE CITY.

6. CAL WATER TO EXCAVATE AND INSTALL THE SERVICE AND WATER METER.
7. BACKFLOW ASSEMBLY SHALL BE INSTALLED IN CITY R/W, IMMEDIATELY AFTER THE METER, IN THE ORIENTATION IN WHICH IT WAS EVALUATED AND APPROVED.
8. THE CONTRACTOR SHALL FLUSH AND ADJUST ALL LINES, VALVES AND NOZZLES FOR OPTIMUM PERFORMANCE. ADJUST ALL NOZZLES TO ELIMINATE SPRAYING ONTO WALKS, STREETS, BUILDINGS, ETC.
9. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY AFFECTED RESIDENTS AND BUSINESSES 48 HOURS IN WRITING PRIOR TO THE START OF A WATER MAIN SHUTDOWN. A WATER MAIN SHUTDOWN WILL BE DONE BY CITY CREWS ONLY.
10. FIELD ADJUSTMENTS MAY BE REQUIRED TO PROVIDE OPTIMUM OPERATING EFFICIENCY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE LANDSCAPE ARCHITECT TO REVIEW PROPOSED FIELD ADJUSTMENTS PRIOR TO INSTALLATION. IN THE EVENT THAT NO WRITTEN REQUEST IS RECEIVED BY THE LANDSCAPE ARCHITECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REVISIONS.
11. SLEEVE ALL PRESSURE MAINLINE PIPE, LATERAL PIPE, AND CONTROL WIRES UNDER STREETS AND CONCRETE WALKWAYS WITH THE PROPER SIZE SCH 40 PVC AND DEPTH AS SPECIFIED.
12. IRRIGATION SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH ALL LOCAL CODES AND MANUFACTURER'S SPECIFICATIONS. NOTIFY ENGINEER IN WRITING OF ANY CONFLICTS PRIOR TO INSTALLATIONS.



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Date: 03/05/2020

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MARK THOMAS
3000 OAK ROAD, SUITE 650
WALNUT CREEK, CA 94597
TEL: (925)938-0383

BID SUBMITTAL

DESIGNED BY: M. WOOD
DRAWN BY: M. WOOD
CHECKED BY: C. ANDERSON
PROJECT No.: SJ-19116
DATE: 03/05/2020

LINDEN AVENUE PHASE 2 AND
SPRUCE AVENUE TRAFFIC CALMING
IMPROVEMENTS PROJECT - ATP
LINDEN AVENUE
IRRIGATION PLAN

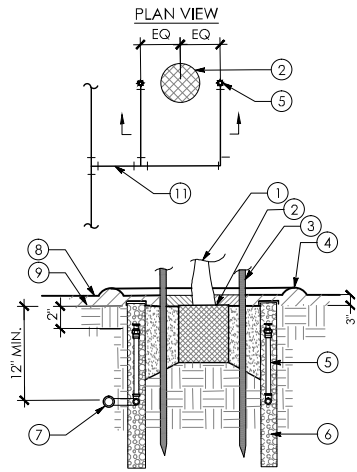
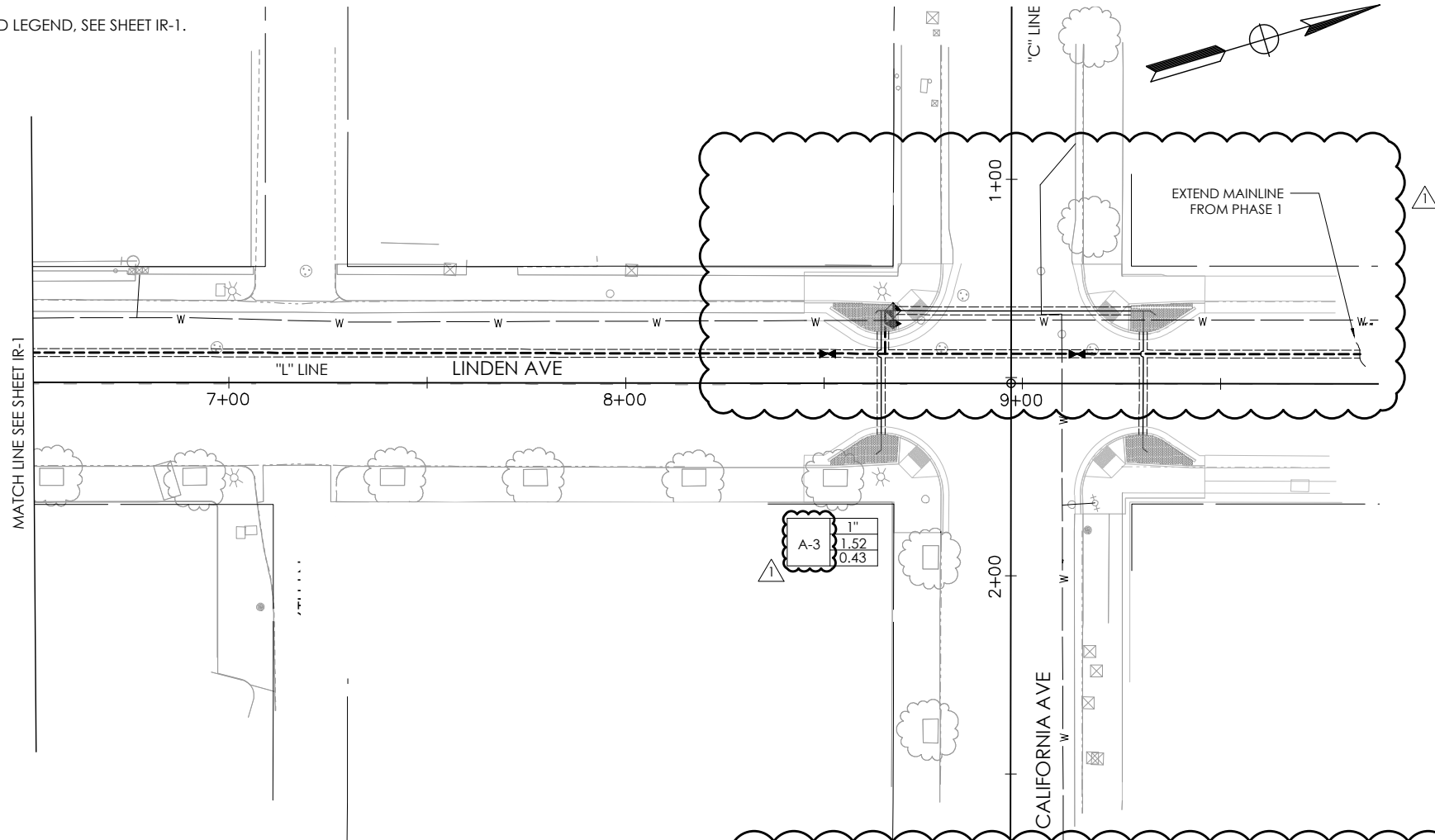
IR-1

SHEET
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OF
56

CAD USER: jefine
PLOT DATE: Mar 05, 2020 - 05:12:29pm
FILE NAME: LSA_Prog-02

NOTE:

FOR NOTES AND LEGEND, SEE SHEET IR-1.



KEY:

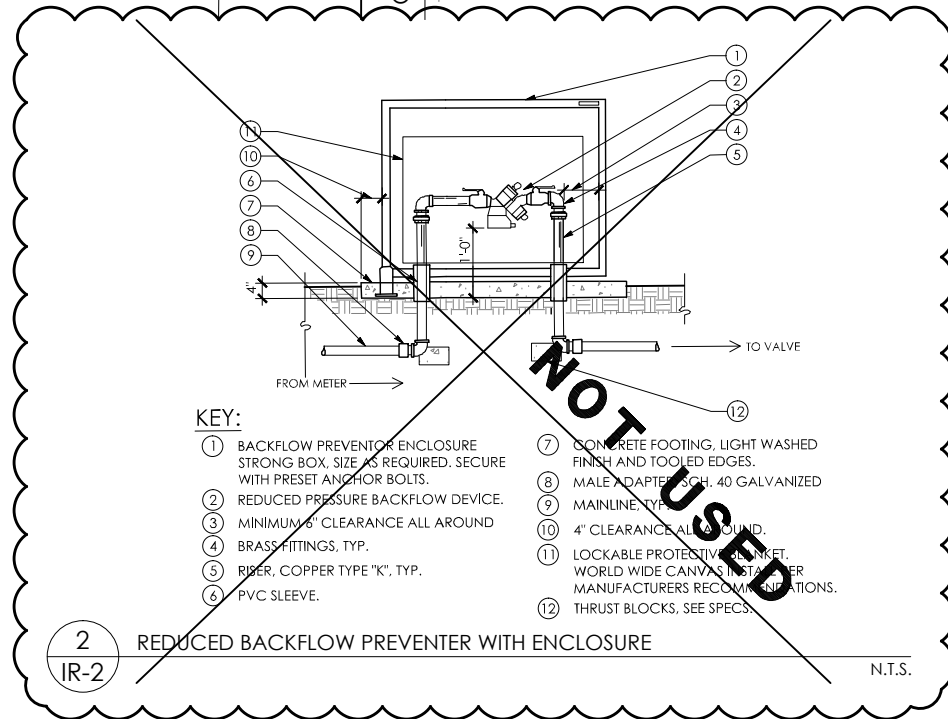
1. REFER TO TREE PLANTING DETAIL FOR OTHER REQUIREMENTS.
2. ROOTBALL.
3. TREE STAKES.
4. WATER RETENTION BERM.
5. DEEP WATER BUBBLER ASSEMBLY. SEE IRRIGATION LEGEND FOR MANUFACTURER AND MODEL NUMBER. INSTALL TWO PER TREE.
6. PEA GRAVEL 1/2" DIA.
7. PVC LATERAL, TYP.
8. MULCH LAYER.
9. FINISH GRADE.

NOTES:

1. REFER TO SPECIFICATIONS AND PLAN SHEETS FOR MORE INFORMATION.
2. FOR TREE PLANTING DETAIL SEE

1
IR-2 DEEP WATER BUBBLER

N.T.S.

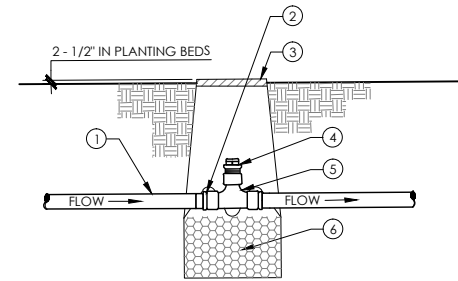


KEY:

1. BACKFLOW PREVENTOR ENCLOSURE STRONG BOX, SIZE AS REQUIRED. SECURE WITH PRESET ANCHOR BOLTS.
2. REDUCED PRESSURE BACKFLOW DEVICE.
3. MINIMUM 6" CLEARANCE ALL AROUND.
4. BRASS FITTINGS, TYP.
5. RISER, COPPER TYPE "K", TYP.
6. PVC SLEEVE.
7. CONCRETE FOOTING, LIGHT WASHED FINISH AND TOOLED EDGES.
8. MALE ADAPTER, SCH. 40 GALVANIZED.
9. MAINLINE, TYP.
10. 4" CLEARANCE ALL AROUND.
11. LOCKABLE PROTECTIVE PLANKET, WORLD WIDE CANVAS, 1/2" THICK. MANUFACTURER'S RECOMMENDATIONS.
12. THRUST BLOCKS, SEE SPECS.

2
IR-2 REDUCED BACKFLOW PREVENTER WITH ENCLOSURE

N.T.S.



KEY:

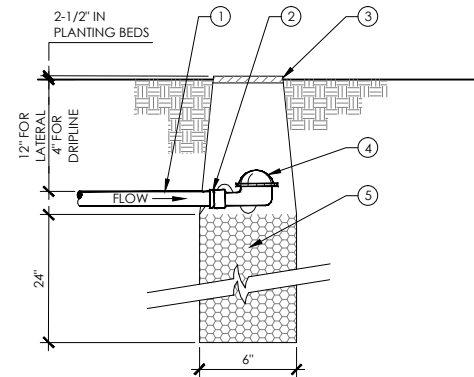
1. DRIP LINE OR PVC LATERAL.
2. ADAPTER FITTING AS REQUIRED.
3. PLASTIC VALVE BOX W/ COVER & EXTENSION IF REQUIRED.
4. AUTOMATIC AIR RELIEF VALVE.
5. 1/2" THREADED PVC TEE.
6. 3/4" DIAMETER DRAIN ROCK.

NOTES:

1. REFER TO IRRIGATION DETAIL FOR MORE INFO.
2. PLACE 3/4" DRAIN ROCK PRIOR TO INSTALLATION OF VALVE BOX.
3. REFER TO SPECIFICATIONS AND PLAN SHEETS FOR MORE INFORMATION.
4. DO NOT INSTALL IN PAVED AREAS.

3
IR-2 AIR RELIEF VALVE ASSEMBLY

N.T.S.



KEY:

1. DRIP LINE OR PVC LATERAL.
2. ADAPTER FITTING AS REQUIRED.
3. PLASTIC VALVE BOX W/ COVER & EXTENSION IF REQUIRED.
4. AUTOMATIC FLUSH VALVE.
5. 3/4" DIA. DRAIN ROCK.

NOTES:

1. REFER TO IRRIGATION DETAIL FOR MORE INFORMATION.
2. PLACE 3" DRAIN ROCK PRIOR TO INSTALLATION OF VALVE BOX.
3. REFER TO SPECIFICATIONS AND PLAN SHEETS FOR MORE INFORMATION.
4. DO NOT INSTALL IN PAVED AREAS.

4
IR-2 AUTOMATIC FLUSH VALVE

N.T.S.



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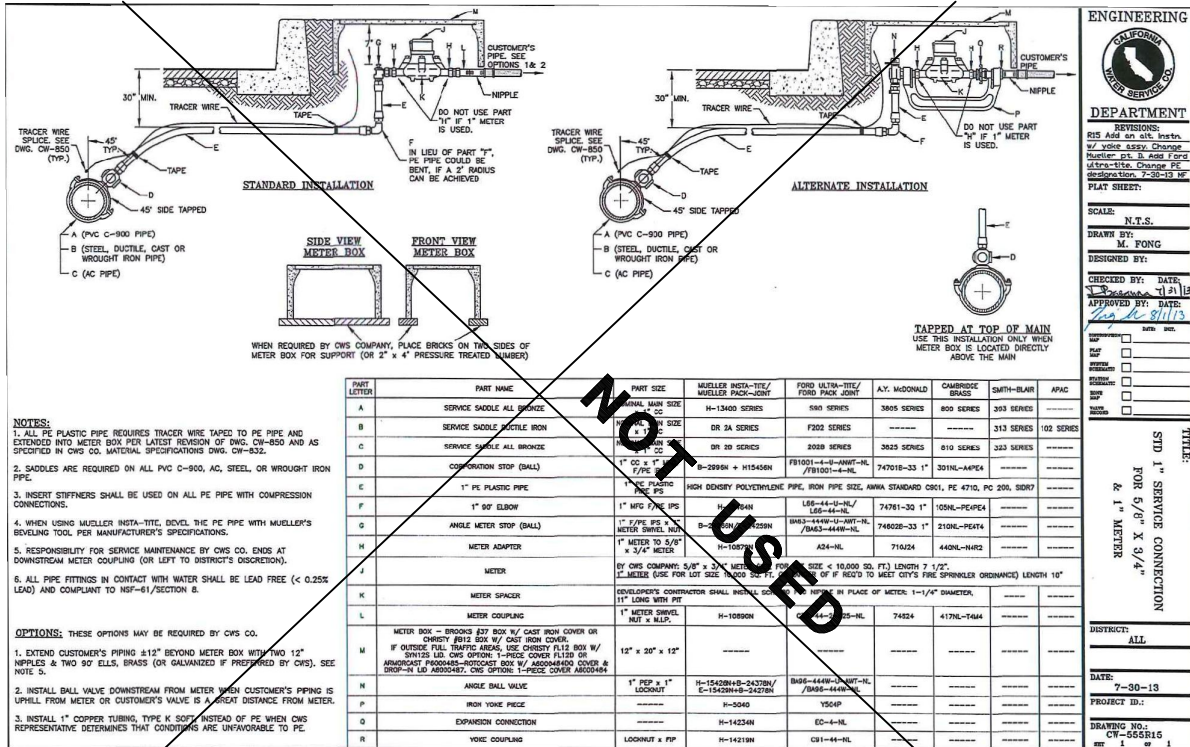
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DRAWN BY: M. WOOD
CHECKED BY: C. ANDERSON
PROJECT No.: SJ-19116
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**LINDEN AVENUE PHASE 2 AND
SPRUCE AVENUE TRAFFIC CALMING
IMPROVEMENTS PROJECT - ATP
LINDEN AVENUE
IRRIGATION PLAN**



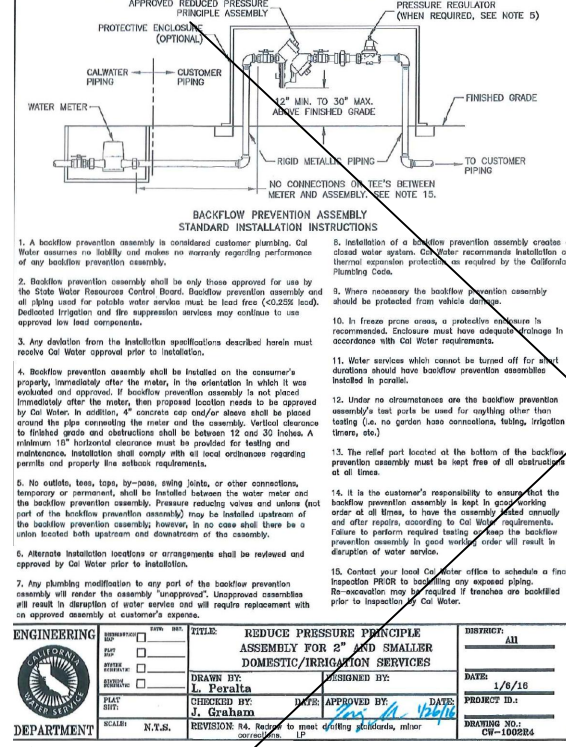
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1 WATER SERVICE CONNECTION AND METER

IR-3 CALIFORNIA WATER SERVICE STANDARDS

N.T.S.



2 REDUCED PRESSURE BACKFLOW PREVENTER ASSEMBLY WITH ENCLOSURE

IR-3 CALIFORNIA WATER SERVICE STANDARDS

N.T.S.

NOTES:

- COMMON WIRE TO BE WHITE AND CONTROL WIRE TO BE RED IN COLOR. BUNDLE AND TAPE WIRING AT INTERVALS OR 10'-0" O.C.
- NO SPLICES SHALL BE MADE BETWEEN CONTROLLER AND REMOTE CONTROL VALVE UNDER 500 LINEAR FEET.
- REFER TO SPECIFICATIONS AND PLAN SHEETS FOR MORE INFORMATION.

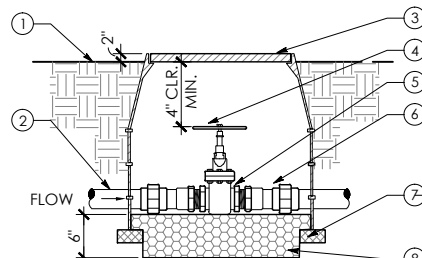
KEY:

- SECURE IRRIGATION CONTROLLER TO A VANDAL RESISTANT ENCLOSURE AND SECURE ENCLOSURE TO A CONCRETE PAD. SEE IRRIGATION LEGEND FOR MANUFACTURER AND MODEL NUMBER OF CONTROLLER AND ENCLOSURE.
- COLOR CODED MAP FOR VALVE LOCATIONS (SEE SPECS).
- CONNECT CONTROL AND COMMON WIRES TO TERMINAL STRIPS IN ENCLOSURE. ALLOW FOR EXPANSION LOOP.
- ON-OFF SWITCH AND 120 VOLT GFI WEATHER-PROOF OUTLET (LOCATED INSIDE ENCLOSURE).
- CONCRETE FOOTING - INSTALL ABOVE GRADE, AND SLOPE TOP TO DRAIN AT A MINIMUM OF 2% WITH A 6-INCH MINIMUM THICKNESS.
- ELECTRICAL CONDUIT PER CODE TO POWER SOURCE.
- CONTROL WIRING (AWG. UF) SECURE TO TERMINAL STRIP PROVIDED IN ENCLOSURE.
- 3" MINIMUM PVC CONDUIT FOR WIRES. EXTEND 6" BEYOND EDGE OF CONCRETE PAD.

3 IRRIGATION CONTROLLER

IR-3 CALIFORNIA WATER SERVICE STANDARDS

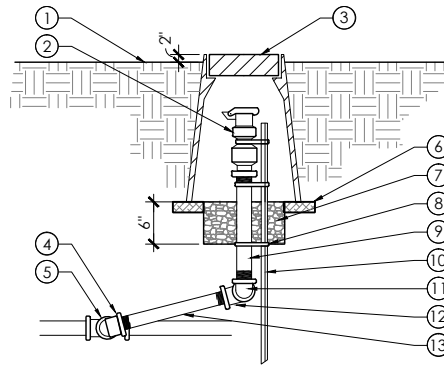
N.T.S.



4 GATE VALVE ASSEMBLY

IR-3 CALIFORNIA WATER SERVICE STANDARDS

N.T.S.



NOTES:

- INSTALL QUICK COUPLING VALVES IN PLANTING BEDS WHEREVER POSSIBLE.
- PLACE 3/4" DIAMETER DRAIN ROCK PRIOR TO INSTALLATION OF VALVE BOX.
- REFER TO SPECIFICATIONS AND PLAN SHEETS FOR MORE INFORMATION.
- SIZE OF ASSEMBLY TO BE EQUAL TO THE FIPT OF THE QUICK COUPLER.

5 QUICK COUPLING VALVE ASSEMBLY

IR-3 CALIFORNIA WATER SERVICE STANDARDS



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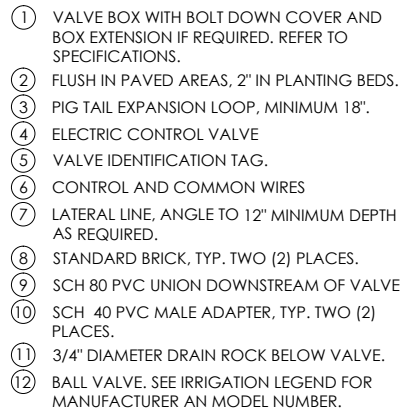
BID SUBMITTAL

DESIGNED BY: M. WOOD
 DRAWN BY: M. WOOD
 CHECKED BY: C. ANDERSON
 PROJECT NO.: SJ-19116
 DATE: 03/05/2020

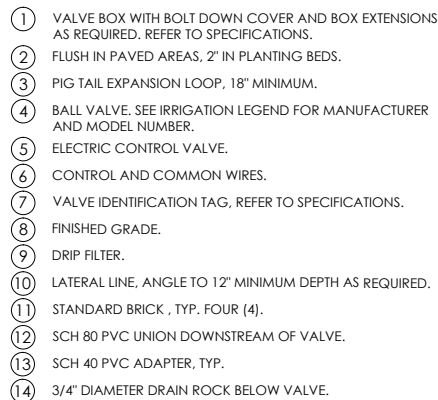
LINDEN AVENUE PHASE 2 AND SPRUCE AVENUE TRAFFIC CALMING IMPROVEMENTS PROJECT - ATP
SPRUCE AVENUE IRRIGATION PLAN

IR-3
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 OF
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NO SCALE

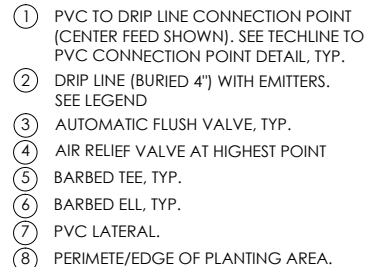


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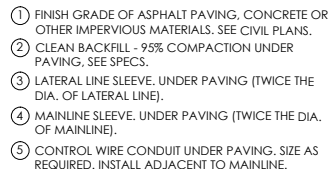
1. INSTALL VALVES A MINIMUM OF 1' - 0" FROM STRUCTURES OR HARDSCAPING.
2. INSTALL VALVES IN PLANTING BEDS WHEREVER POSSIBLE.
3. PLACE VALVE BOX AT RIGHT ANGLES TO STRUCTURES OR HARDSCAPING.
4. INSTALL VALVE BOX SO THAT TOP OF VALVE BOX IS FLUSH WITH ADJACENT HARDSCAPING.
5. PLACE DRAIN ROCK PRIOR TO INSTALLATION OF VALVE BOX.
6. BALL VALVE & FITTINGS SHALL BE LINE SIZE UNLESS NOTED OTHERWISE.
7. REFER TO SPECIFICATIONS AND PLAN SHEETS FOR MORE INFORMATION.

NTS



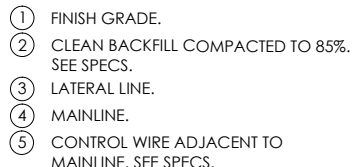
1. SPACING BETWEEN ROWS VARIES IN SLOPED CONDITIONS. REFER TO DRIP NOTES.
2. LOCATE AN AIR-RELIEF VALVE AT THE HIGH POINT OF EACH SYSTEM WITHIN A PLASTIC BOX.
3. REFER TO SPECIFICATIONS AND PLAN SHEETS FOR MORE INFORMATION.

NTS



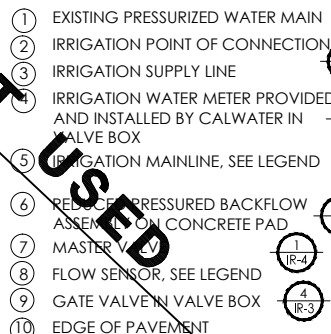
1. REFER TO SPECIFICATIONS AND PLAN SHEETS FOR MORE INFORMATION.

N.T.S.



1. REFER TO SPECIFICATIONS AND PLAN SHEETS FOR MORE INFORMATION

NTS



NTS

NO SCALE

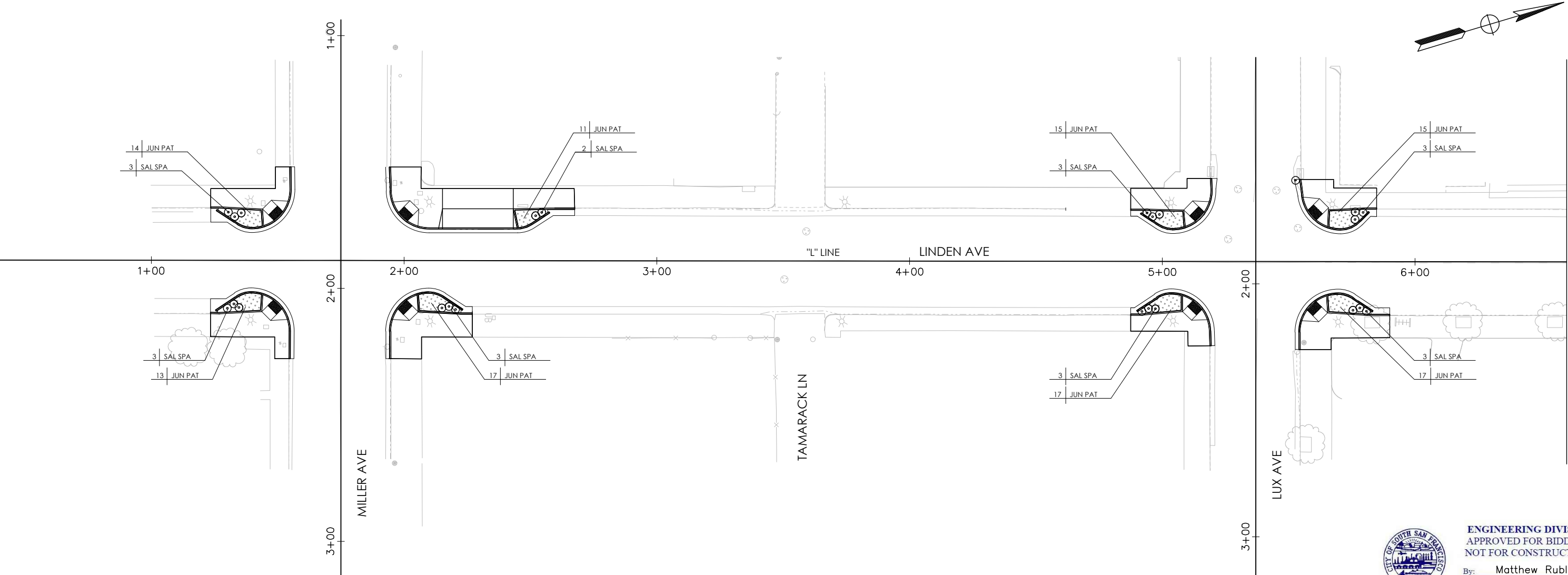
PLANT LEGEND

SYMBOL	ABBREV.	BOTANICAL NAME	COMMON NAME	WATER USE	SIZE	SPACING
⊙	SAL SPA	SALVIA SPATHACEA	HUMMINGBIRD SAGE	L	1 GAL	AS SHOWN
✱✱✱✱	JUN PAT	JUNCUS PATENS	RUSH	L	1 GAL	18" O.C.

PLANT NOTES

1. MULCH: INSTALL A UNIFORM TWO INCH COVERING, OF BARK MULCH, 1/4 INCH TO 3/4 INCH PARTICLE SIZE, IN ALL PLANTING AREAS.
2. GROUNDCOVER: PROVIDE GROUNDCOVER AT INDICATED ON-CENTER SPACING THROUGHOUT ALL PLANTING AREAS. GROUNDCOVER SHALL BE PROVIDED UP TO THE WATERING BASIN OF ALL SHRUBS.
3. BIOFILTRATION SOIL MEDIA: CONTRACTOR SHALL EXCAVATE ALL PLANTING AREAS TO A DEPTH PER CIVIL PLANS AND PLACE MEDIA PER SPECS AND CIVIL PLANS. SEE DETAILS.

4
PL-3



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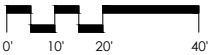
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BID SUBMITTAL

DESIGNED BY: M. WOOD
DRAWN BY: M. WOOD
CHECKED BY: C. ANDERSON
PROJECT No.: SJ-19116
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LINDEN AVENUE PHASE 2 AND
SPRUCE AVENUE TRAFFIC CALMING
IMPROVEMENTS PROJECT – ATP
LINDEN AVENUE
PLANTING PLAN



PL-1

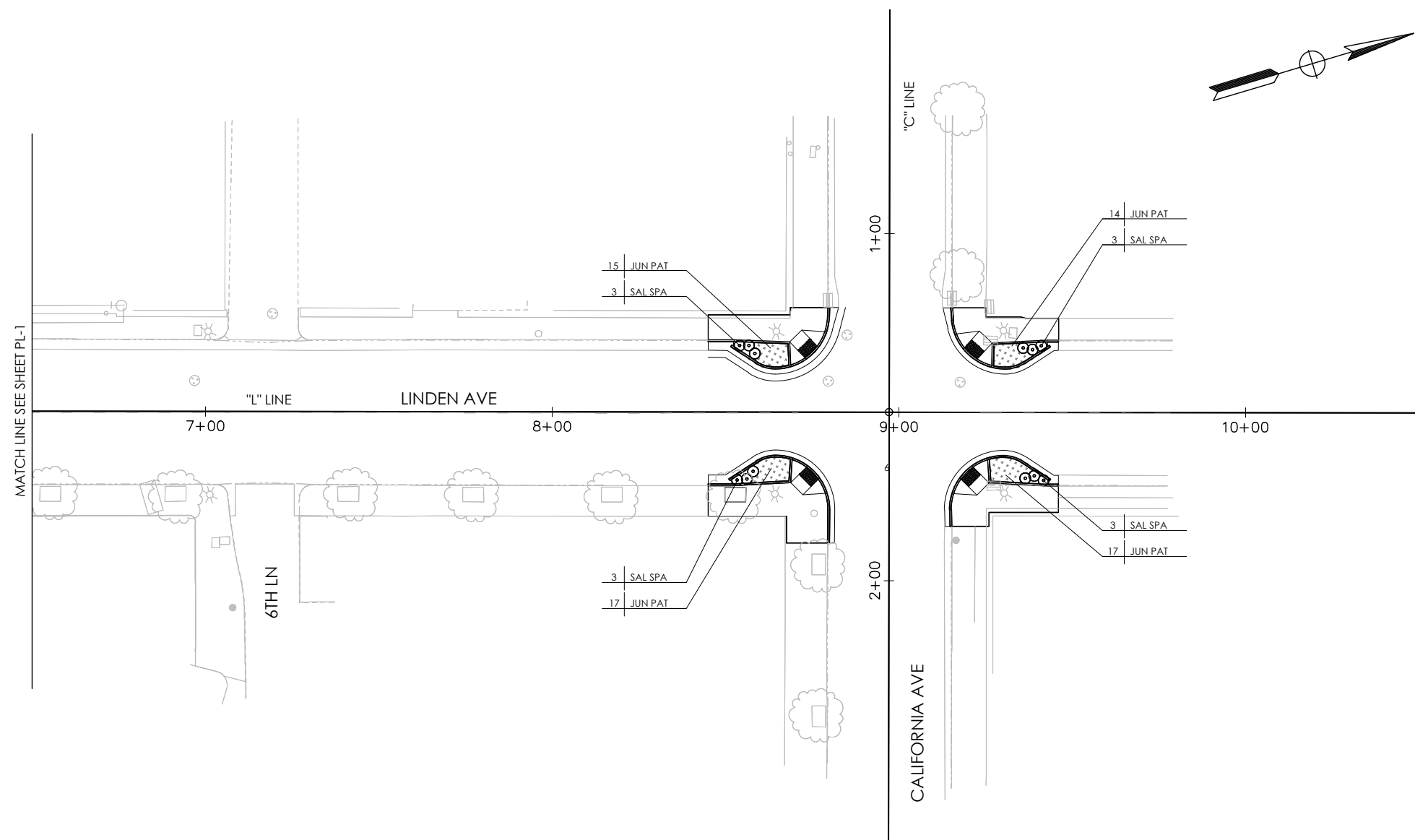
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OF


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NOTE:
FOR NOTES AND LEGEND, SEE SHEET PL-1.



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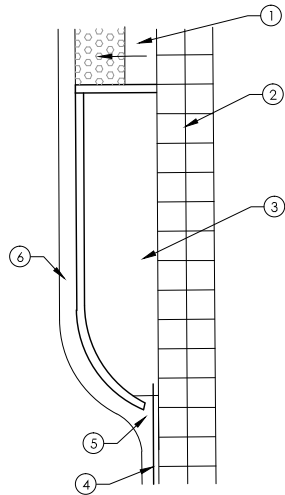
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**LINDEN AVENUE PHASE 2 AND
SPRUCE AVENUE TRAFFIC CALMING
IMPROVEMENTS PROJECT – ATP**
**LINDEN AVENUE
PLANTING PLAN**



PL-2

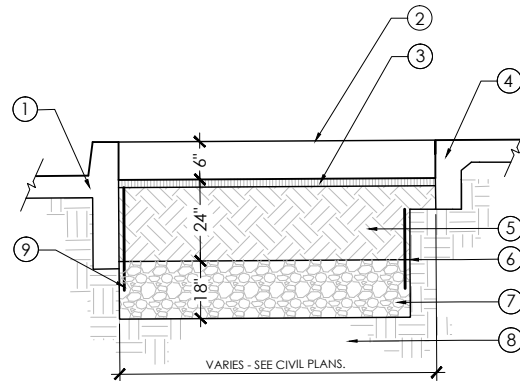
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- KEY:**
- ① RAMP PER CIVIL PLANS
 - ② SIDEWALK PER CIVIL PLANS
 - ③ PLANTER AREA
 - ④ GUTTER FLOW LINE SEE CIVIL PLANS.
 - ⑤ BIOFILTRATION CURB INLET
 - ⑥ CONCRETE GUTTER PER CIVIL PLANS

1
PL-3
BIOFILTRATION PLANTER

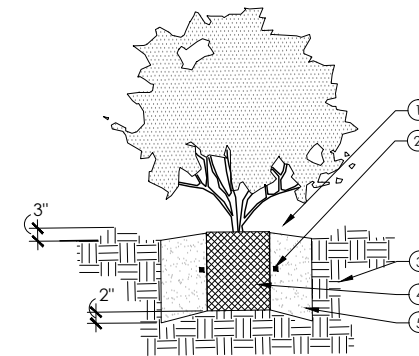
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- KEY:**
- ① BIOFILTRATION CURB AND GUTTER PER CIVIL PLANS.
 - ② TOP OF ADJACENT CURB.
 - ③ 3" MULCH LAYER.
 - ④ CONCRETE SIDEWALK WITH THICKENED EDGE PER CIVIL DETAILS.
 - ⑤ BIOFILTRATION SOIL MEDIA.
 - ⑥ FILTER FABRIC.
 - ⑦ CLASS 2 PERMEABLE MATERIAL.
 - ⑧ EXISTING SUBGRADE (UNCOMPACTED).
 - ⑨ ROOT BARRIER (WHERE APPLICABLE).

2
PL-3
BIOFILTRATION SECTION

N.T.S.

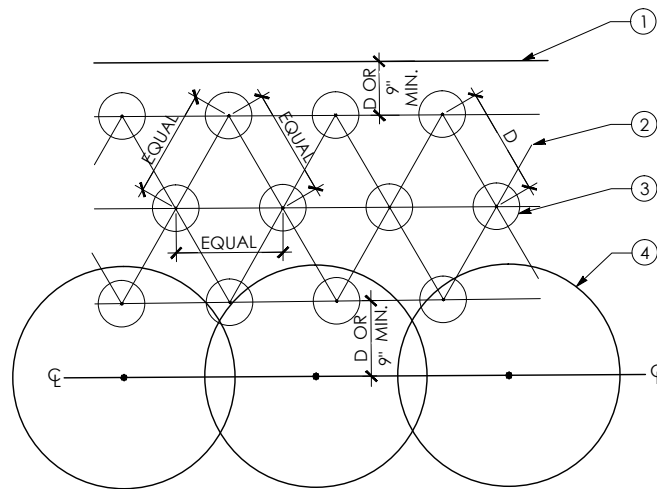


- KEY:**
- ① BARK MULCH, SEE SPECIFICATIONS.
 - ② FERTILIZER TABLETS, SEE SPECIFICATIONS.
 - ③ SURROUND SOIL MIX AND BACKFILL, SEE NOTES.
 - ④ ROOT BALL- SET CROWN 1" ABOVE FINISH GRADE. PROVIDE POSITIVE DRAINAGE AWAY FROM ROOTBALL.
 - ⑤ PLANTING PIT TO BE TWICE THE DIAMETER OF ROOTBALL.

- NOTES:**
1. REFER TO SPECIFICATIONS AND PLAN SHEETS FOR MORE INFORMATION.
 2. BACKFILL AND SOIL MIX PER DETAIL.

3
PL-3
SHRUB PLANTING

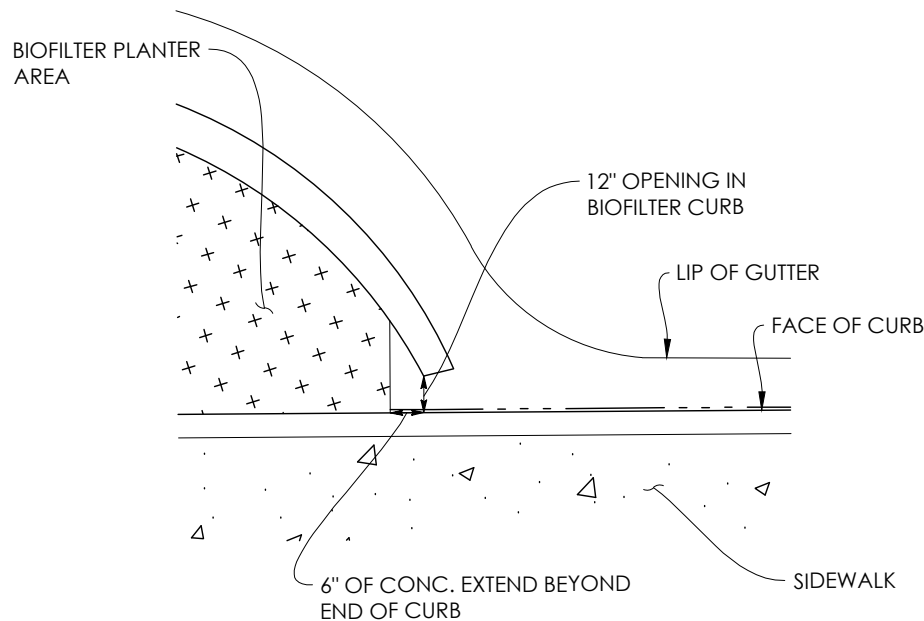
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- KEY:**
- ① MOW CURB, PAVEMENT EDGE, OR WOOD HEADER.
 - ② TYPICAL SPACING (D). SEE PLANTING PLAN.
 - ③ GROUNDCOVER PLANT, SIZE AS DENOTED ON PLANTING PLAN.
 - ④ SHRUB MASS, TYP.

4
PL-3
SHRUB AND GROUNDCOVER SPACING

N.T.S.



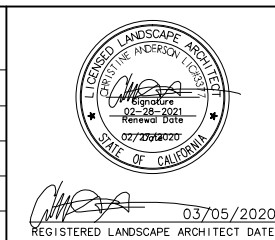
5
PL-3
BIOFILTRATION CURB INLET DETAIL

N.T.S.



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SOUTH SAN FRANCISCO, CA 94080

MARK THOMAS
3000 OAK ROAD, SUITE 650
WALNUT CREEK, CA 94597
TEL: (925)938-0383

BID SUBMITTAL
DESIGNED BY: M. WOOD
DRAWN BY: M. WOOD
CHECKED BY: C. ANDERSON
PROJECT No.: SJ-19116
DATE: 03/05/2020

**LINDEN AVENUE PHASE 2 AND
SPRUCE AVENUE TRAFFIC CALMING
IMPROVEMENTS PROJECT – ATP
SPRUCE AVENUE
PLANTING AND LAYOUT PLAN**
NO SCALE

PL-3
SHEET
53
—OF—
56

CAD USER: jstene
PLOT DATE: Mar 05, 2020 12:18:07pm
FILE NAME: SD-1
PATH: J:\SSP-S\17723-Under Avenue and Spruce Avenue\CD01\Cherry's Under & Spruce Phase 2\

BASIS OF BEARINGS AND COORDINATES:


THE COORDINATES AND BEARINGS SHOWN HEREON ARE BASED UPON THE CALIFORNIA COORDINATE SYSTEM OF 1983, CCS83, ZONE 3, (2011.00) IN ACCORDANCE WITH THE CALIFORNIA PUBLIC RESOURCES CODE SECTIONS 8801-8819; SAID COORDINATES AND BEARINGS ARE BASED LOCALLY UPON FIELD-OBSERVED TIES TO THE FOLLOWING CALIFORNIA SPATIAL REFERENCE NETWORK (CSRN), OR EQUIVALENT STATIONS:

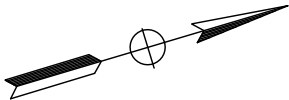
REFERENCED CSRN STATIONS(S) CONNECTED:			
POINT	NORTHING	EASTING	ELEVATION
CAPO	2087091.29	6063572.64	40.06
P176	1999593.79	6022762.06	1532.07

SURVEY CONTROL TABLE

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1010	2067402.01	6008937.36	37.83	SVBS 1010
1011	2067675.05	6009083.15	44.26	CUT X
1100	2067893.04	6009094.59	50.28	SVCX-SET
1200	2067534.97	6008992.16	40.46	SVNS-SET
1201	2067195.40	6008939.56	35.77	SVNS-FND
1202	2067041.88	6008893.58	34.51	SVMC SURVEY SP

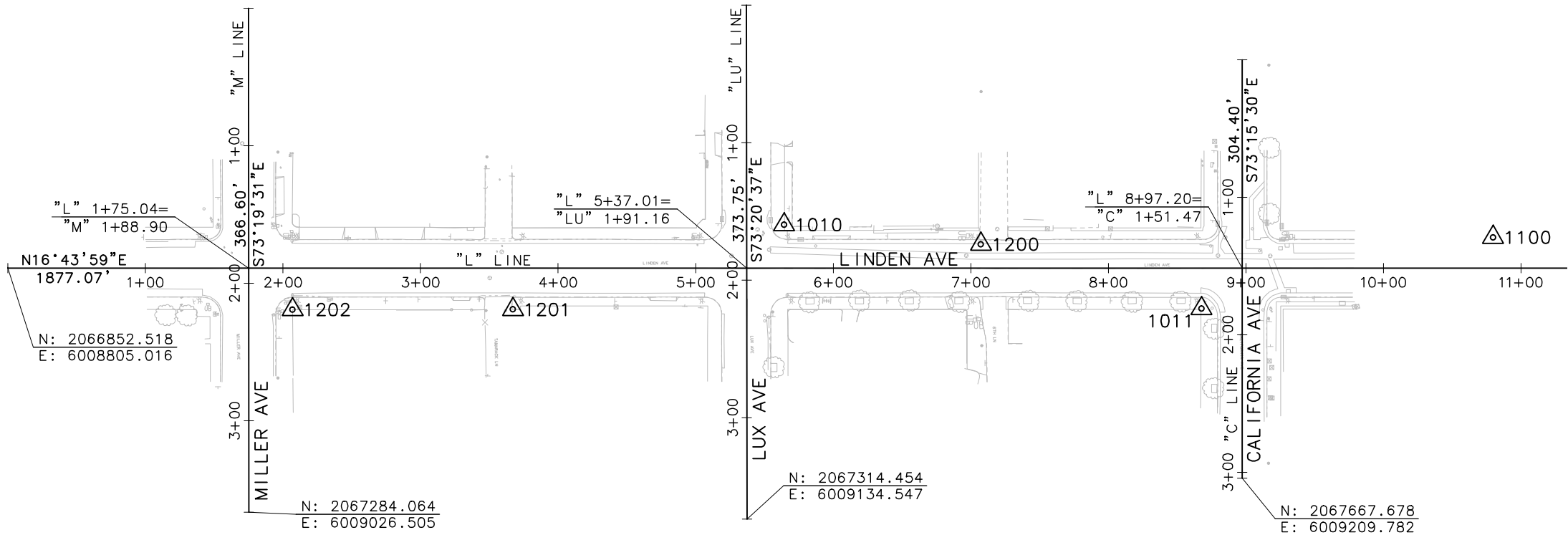
LEGEND:

 SURVEY CONTROL POINT



BASIS OF ELEVATION:

ELEVATIONS ARE NAVD 88 AND BASED LOCALLY UPON THE SAME FIELD-OBSERVED TIES.



ENGINEERING DIVISON
APPROVED FOR BIDDING
NOT FOR CONSTRUCTION

By: Matthew Ruble

Date: 03/05/2020

REVISIONS			
NO.	DESCRIPTION	DATE	BY





LICENSED LAND SURVEYOR DATE

NO WORK SHALL BE DONE ON THIS SITE UNTIL BELOW AGENCY IS NOTIFIED OF INTENTION TO GRADE OR EXCAVATE.
Underground Service Alert
Call: TOLL FREE
1-800
642-2444

TWO WORKING DAYS BEFORE YOU DIG

CITY OF SOUTH SAN FRANCISCO
PUBLIC WORKS DEPARTMENT
315 MAPLE AVENUE
SOUTH SAN FRANCISCO, CA 94080


MARK THOMAS
3000 OAK ROAD, SUITE 650
WALNUT CREEK, CA 94597
TEL: (925)938-0383

BID SUBMITTAL

DESIGNED BY: R. OYEWOLE
DRAWN BY: J. SORIA
CHECKED BY: T. BOHAN
PROJECT No.: SJ-17123
DATE: 03/05/2020

**LINDEN AVENUE PHASE 2 AND
SPRUCE AVENUE TRAFFIC CALMING
IMPROVEMENTS PROJECT – ATP
LINDEN AVENUE
SURVEY CONTROL DIAGRAM**

SCALE: 1"=50'

SD-1
SHEET
54
—OF—
56

CAD USER: jefre
PLOT DATE: Mar 05, 2020 12:18:10pm
FILE NAME: SD-1
PATH: \\SSC-S-07703-Under Avenue and Spruce Avenue\\CADD\\Chen's\\Under & Spruce Phase 2\\

BASIS OF BEARINGS AND COORDINATES:

THE COORDINATES AND BEARINGS SHOWN HEREON ARE BASED UPON THE CALIFORNIA COORDINATE SYSTEM OF 1983, CCS83, ZONE 3, (2011.00) IN ACCORDANCE WITH THE CALIFORNIA PUBLIC RESOURCES CODE SECTIONS 8801-8819; SAID COORDINATES AND BEARINGS ARE BASED LOCALLY UPON FIELD-OBSERVED TIES TO THE FOLLOWING CALIFORNIA SPATIAL REFERENCE NETWORK (CSRN), OR EQUIVALENT STATIONS:

REFERENCED CSRN STATIONS(S) CONNECTED:			
POINT	NORTHING	EASTING	ELEVATION
CAPO	2087091.29	6063572.64	40.06
P176	1999593.79	6022762.06	1532.07


BASIS OF ELEVATION:

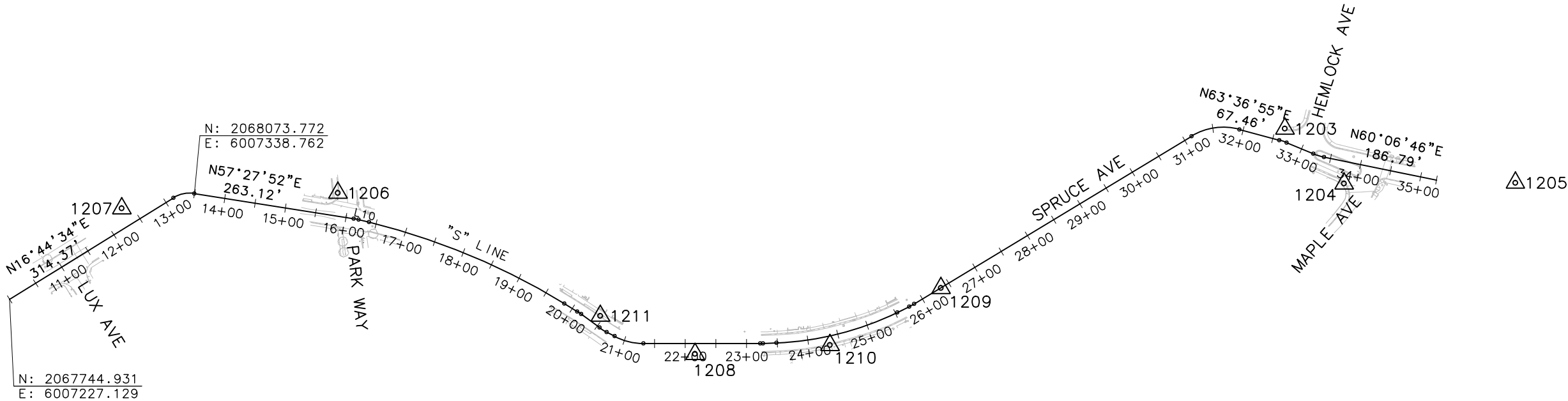
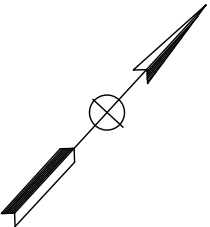
ELEVATIONS ARE NAVD 88 AND BASED LOCALLY UPON THE SAME FIELD-OBSERVED TIES.

SURVEY CONTROL TABLE

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1203	2069331.23	6008600.71	110.51	SVCX-SET
1204	2069328.08	6008732.44	93.20	SVCX-SET
1205	2069514.17	6008940.79	72.48	SVCX-SET
1206	2068229.64	6007512.91	148.28	SVCX-SET
1207	2067977.13	6007265.67	135.31	SVCX-SET
1208	2068418.60	6008123.38	155.47	SVCX-SET
1209	2068764.73	6008352.80	154.63	SVCX-SET
1210	2068575.25	6008278.70	140.57	WORK PT
1211	2068362.85	6007966.50	150.85	WORK PT

LEGEND:

 SURVEY CONTROL POINT



ENGINEERING DIVISON
APPROVED FOR BIDDING
NOT FOR CONSTRUCTION

By: Matthew Ruble

Date: 03/05/2020

REVISIONS			
NO.	DESCRIPTION	DATE	BY





LICENSED LAND SURVEYOR DATE

NO WORK SHALL BE DONE ON THIS SITE UNTIL BELOW AGENCY IS NOTIFIED OF INTENTION TO GRADE OR EXCAVATE.
Underground Service Alert
Call: TOLL FREE
1-800
642-2444

TWO WORKING DAYS BEFORE YOU DIG

CITY OF SOUTH SAN FRANCISCO
PUBLIC WORKS DEPARTMENT
315 MAPLE AVENUE
SOUTH SAN FRANCISCO, CA 94080


MARK THOMAS
3000 OAK ROAD, SUITE 650
WALNUT CREEK, CA 94597
TEL: (925)938-0383

BID SUBMITTAL

DESIGNED BY: R. OYEWOLE
DRAWN BY: J. SORIA
CHECKED BY: T. BOHAN
PROJECT No.: SJ-17123
DATE: 03/05/2020

**LINDEN AVENUE PHASE 2 AND
SPRUCE AVENUE TRAFFIC CALMING
IMPROVEMENTS PROJECT – ATP
SPRUCE AVENUE
SURVEY CONTROL DIAGRAM**

SCALE: 1"=100'

SD-2
SHEET
55
—OF—
56

GENERAL NOTE:

ALL ELECTRICAL WORK SHALL CONFORM TO THE LATEST VERSION OF THE CITY OF SOUTH SAN FRANCISCO STANDARDS, 2015 STATE (CALTRANS) REVISED STANDARD SPECIFICATIONS AND PLANS, AND THE 2014 CA MUTCD.

ABBREVIATIONS:

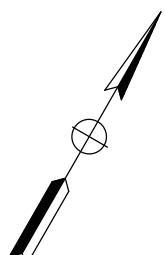
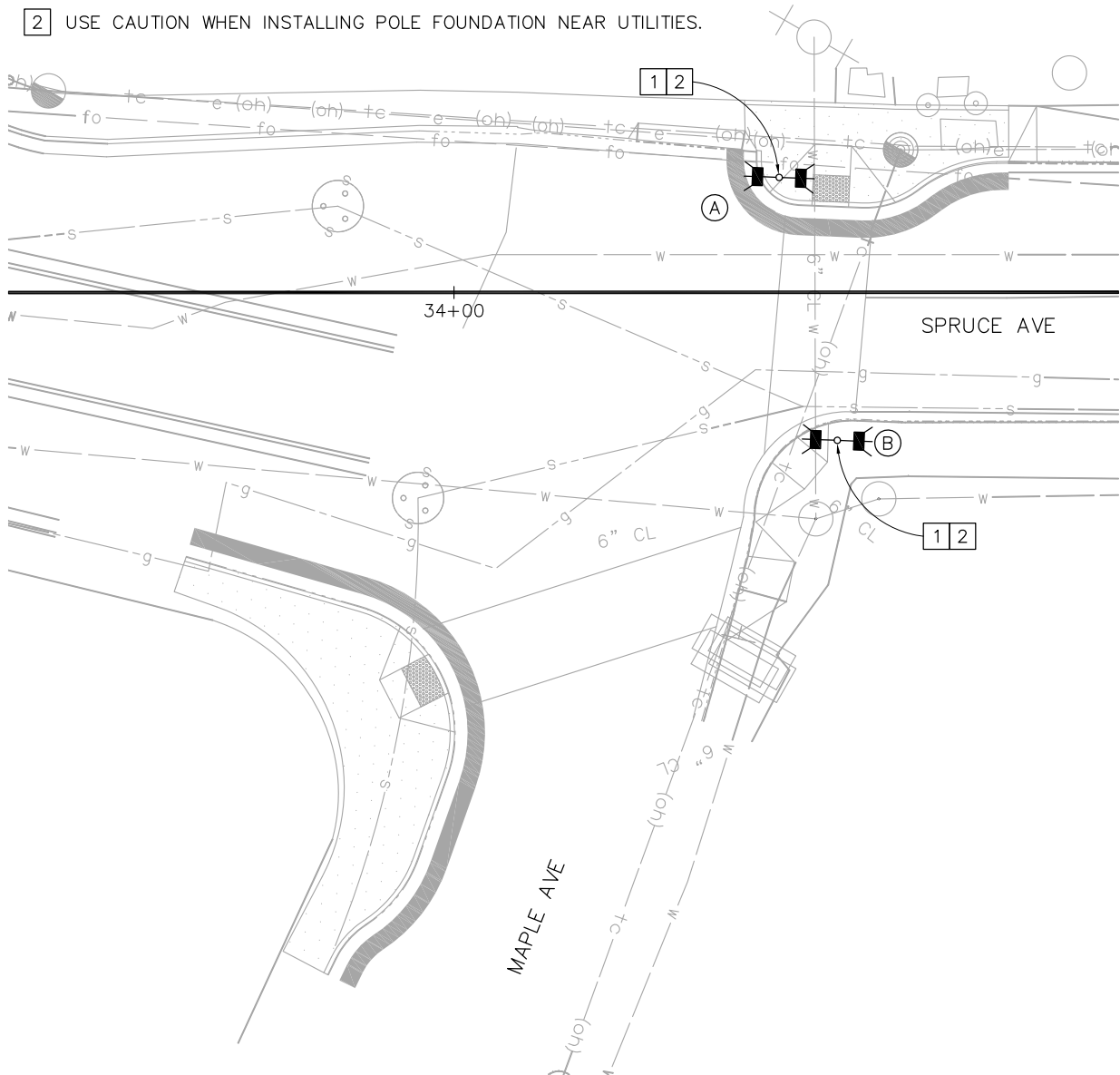
RRFB RECTANGULAR RAPID FLASHING BEACON SYSTEM

SYMBOLS:

RRFB

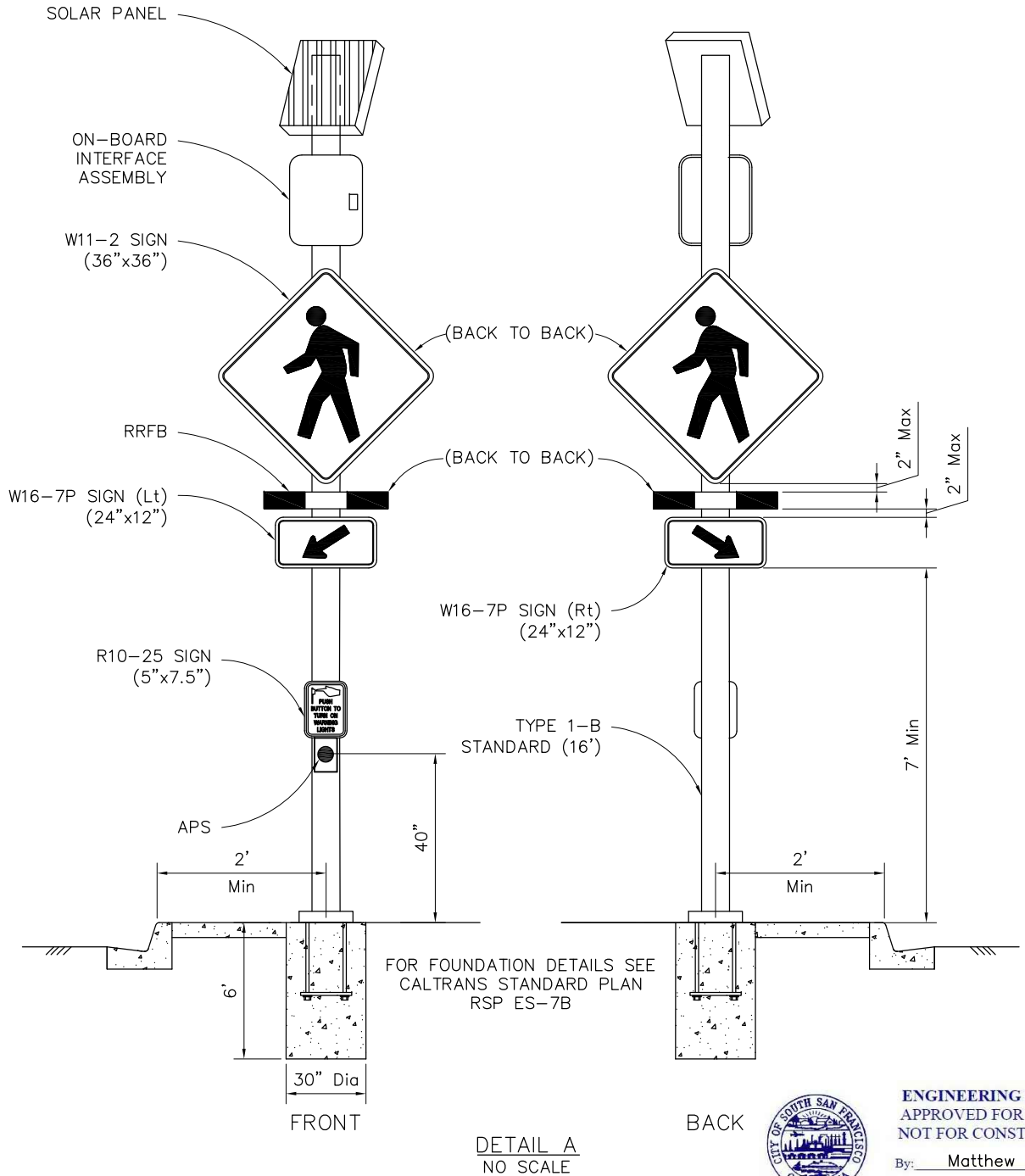
LEGEND (FOR THIS SHEET ONLY):

- 1 FURNISH AND INSTALL TYPE 1-B POLE, SOLAR ENGINE, ON-BOARD INTERFACE, RRFB LIGHTING BARS WITH SIDE AMBER LED INDICATIONS AND APS. SEE DETAIL A ON THIS SHEET.
- 2 USE CAUTION WHEN INSTALLING POLE FOUNDATION NEAR UTILITIES.



EQUIPMENT SCHEDULE				
NO.	STANDARD	APS		REMARKS
	TYPE	ARROW	QUADRANT	
(A)	1-B (16')	←	EAST	SEE DETAIL A ON THIS SHEET
(B)	1-B (16')	←	WEST	SEE DETAIL A ON THIS SHEET

RRFB SHALL BE CARMANAH MODEL SC315 OR APPROVED EQUAL.



DETAIL A
NO SCALE



ENGINEERING DIVISION
APPROVED FOR BIDDING
NOT FOR CONSTRUCTION
By: Matthew Ruble
Date: 03/05/2020

REVISIONS			
NO.	DESCRIPTION	DATE	BY

REGISTERED PROFESSIONAL ENGINEER
KIN Y. CHAN
No. 55391
Exp. 12/31/20
CIVIL
STATE OF CALIFORNIA

03/05/2020
REGISTERED CIVIL ENGINEER DATE

NO WORK SHALL BE DONE ON THIS SITE UNTIL BELOW AGENCY IS NOTIFIED OF INTENTION TO GRADE OR EXCAVATE.
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Call: TOLL FREE 1-800-642-2444
TWO WORKING DAYS BEFORE YOU DIG

CITY OF SOUTH SAN FRANCISCO
PUBLIC WORKS DEPARTMENT
315 MAPLE AVENUE
SOUTH SAN FRANCISCO, CA 94080

Y&C TRANSPORTATION CONSULTANTS, INC.
3250 RAMOS CIRCLE
SACRAMENTO, CA 95827
(916) 366-8000
FAX: (916) 366-8008

BID SUBMITTAL
DESIGNED BY: K. CHAN
DRAWN BY: S. LEE
CHECKED BY: D. YAU
PROJECT No.: SJ-17123
DATE: 03/05/2020

TRAFFIC CALMING IMPROVEMENTS
PROJECT PHASE 2
RECTANGULAR RAPID FLASHING BEACON SYSTEM

0 5 10 20
SCALE: 1"=10'

E-1
SHEET
56
—OF—
56