

# GENERAL NOTES FOR RD AND CR DRAWINGS

# ABBREVIATIONS

- ENTERING INTO THIS CONTRACT WITH THE CITY INDICATES THAT THE CONTRACTOR HAS VISITED THE SITE, IS FAMILIAR WITH THE EXISTING CONDITIONS AND REVIEWED SAME WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
- THE CONTRACTOR IS RESPONSIBLE FOR CHECKING ALL CONTRACT DOCUMENTS AND FIELD CONDITIONS, AND FOR CONFIRMING THAT THE WORK IS BUILDABLE AS SHOWN BEFORE PROCEEDING WITH THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING CLARIFICATION FROM THE CITY BEFORE PROCEEDING WITH THE WORK IN QUESTION OR RELATED WORK. WRITTEN DIMENSIONS SHALL GOVERN. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO PROCEEDING WITH THE WORK.
- THE CONTRACTOR SHALL VERIFY EXISTING FACILITIES IN THE FIELD, WHETHER OR NOT THEY ARE SHOWN ON THE DRAWINGS.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING OF CONFLICTS BETWEEN DRAWINGS PRIOR TO PROCEEDING WITH THE WORK IN QUESTION.
- THE CONTRACTOR IS RESPONSIBLE FOR WORKING AROUND AND PROTECTING ALL EXISTING FACILITIES ADJACENT TO THE WORK AREA. THESE FACILITIES INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING: CABLE CAR TRACKS, TREES, LANDSCAPING, HYDRANTS AND UTILITY POLES.
- THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL WORK UNDER THIS CONTRACT TO AVOID REDUNDANCY BETWEEN PAVING/CURB RAMP WORK AND OTHER WORK.
- CONFORM LINE SHALL BE FIVE (5) FEET BEYOND THE EXTENDED PROPERTY LINE UNLESS OTHERWISE INDICATED ON THE DRAWINGS OR AS DIRECTED BY THE ENGINEER.
- THE THICKNESS OF THE NEW HOT MIX ASPHALT (HMA) SHALL BE THREE (3) INCHES MINIMUM UNLESS OTHERWISE INDICATED ON THE DRAWINGS OR AS DIRECTED BY THE ENGINEER.
- CURB GRADE SHALL BE SIX (6) INCHES ABOVE THE ADJACENT PAVEMENT GRADE OR GUTTER GRADE UNLESS OTHERWISE INDICATED ON THE DRAWINGS OR AS DIRECTED BY THE ENGINEER.
- WHEN EXISTING AND NEW ELEVATIONS ARE GIVEN FOR THE SAME POINT, THE CONTRACTOR SHALL CONSTRUCT TO NEW ELEVATIONS. UNLESS OTHERWISE DIRECTED BY THE ENGINEER, THE EXISTING ELEVATIONS ARE FOR INFORMATION ONLY.
- STANDARD DETAILS AND INFORMATION SHALL BE USED FOR ALL APPLICABLE CASES UNLESS SHOWN OR OTHERWISE INDICATED.
- CROSS SECTION CALL-OUTS ARE SHOWN ONLY ONCE ON THE DRAWINGS AND ARE TYPICAL FOR SIMILAR CONDITIONS UNLESS OTHERWISE INDICATED.
- EXISTING CATCH BASIN GRADE SHALL BE ADJUSTED IN THE FIELD TO CONFORM TO NEW GUTTER GRADE.
- NEW GUTTER AND/OR PARKING STRIP SHALL CONFORM TO EXISTING PAVEMENT UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
- THE LIMITS OF SIDEWALK RECONSTRUCTION SHOWN ON THE DRAWINGS ARE APPROXIMATE. THE CONTRACTOR SHALL SAWCUT TO THE NEAREST FLAG/JOINT.
- ALL UTILITY VAULTS AND PULL BOXES WITHIN THE SIDEWALK RECONSTRUCTION AREA SHALL BE ADJUSTED TO THE NEW GRADE.
- FOR ALL TRAFFIC SIGNAL PULL BOXES THAT ARE ROTATED, RELOCATED OR ADJUSTED, THE CONTRACTOR SHALL CONTACT MTA TRAFFIC SIGNAL SHOP AT LEAST THREE (3) DAYS PRIOR TO SETTING THE PULL BOX AT THE NEW LOCATION AND/OR GRADE. ALL WORK SHALL MEET THE REQUIREMENTS OF SFPDW STANDARD PLAN 87,201.
- THE 12-INCH WIDE GROOVED BORDERS (WARNING BANDS) ON CURB RAMPS SHALL NOT BE PART OF THE SLOPED RAMP AND WING SURFACES UNLESS OTHERWISE INDICATED.
- HOT MIX ASPHALT PATCHING AROUND NEW GUTTERS AND/OR PARKING STRIPS AT CURB RETURNS SHALL BE CONSIDERED AS INCIDENTAL WORK TO THE CURB RAMP BID ITEM.
- CONCRETE BASE WORK SHOWN ON CURB RAMP DETAILS MAY OVERLAP WITH THE SAME WORK SHOWN ON PAVEMENT PLANS. THE CONTRACTOR SHALL COORDINATE OVERALL PAVING WORK TO AVOID PERFORMING DUPLICATE WORK.

- ANY POLES OR VERTICAL ELEMENTS INSTALLED OR RELOCATED NEAR FIRE HYDRANTS SHALL ADHERE TO THE FOLLOWING MINIMUM CLEARANCES: THE MINIMUM CLEARANCE BETWEEN A POLE OR VERTICAL ELEMENT TO A HIGH PRESSURE HYDRANT IS FIVE (5) FEET. THE MINIMUM CLEARANCE BETWEEN A POLE OR VERTICAL ELEMENT TO A LOW PRESSURE HYDRANT IS THREE (3) FEET.
- ALL CITY MONUMENTS MUST BE PROTECTED PER STATE LAND SURVEYORS ACT AND SPECIFICATION SECTION 01720 OF THE CONTRACT DOCUMENTS. CALL THE COUNTY SURVEYOR AT (415) 554-5833 TO REPORT ANY MONUMENTS IN DANGER OF DISTURBANCE, DESTRUCTION OR REMOVAL.
- CONTRACTORS SHALL COORDINATE WITH PUBLIC AND PRIVATE UTILITIES TO RELOCATE AND OR ADJUST PULLBOXES, CASTINGS, ETC. IN THE VICINITY OF NEW CURB RAMPS.
- AT THE COMPLETION OF WORK, THE CONTRACTOR SHALL REMOVE ALL MARKS, STAINS AND BLEMISHES RESULTING FROM CONSTRUCTION OPERATIONS THROUGHOUT THE CONTRACT.
- CONTRACTOR SHALL PREVENT CONSTRUCTION MATERIAL, PAVEMENT, CONCRETE, EARTH, PAINTS, THINNER, SOLVENTS, AND OTHER DEBRIS OR TOXIC MATERIAL FROM ENTERING A SEWER OR SEWER STRUCTURE INCLUDING SURFACE FLOW COLLECTION SYSTEM, SUCH AS CATCH BASINS AND CULVERTS.
- SEE LA DRAWINGS FOR SIDEWALK PAVEMENT MATERIAL, SCORE LINE/JOINTS, AND FINISHES
- THE FOLLOWING ARE CONTACT PHONE NUMBERS (415 AREA CODE) FOR PUBLIC AND PRIVATE UTILITIES:
 

BLHP	STREET LIGHTS	RAUL MOSUELA	227-8506
DPW	NEWS RACKS	GRACE MOORE	554-5892
	SEWER REPAIR		695-2096
	STREET TREES (URBAN FORESTRY)		641-2676
DT	FIRE ALARM	MIKE DENNING	550-2718
		TERRY ELISAIA	550-2723
MTA	MUNI OVERHEAD LINES	TIM LIPPS	554-9227
		DANIEL MURPHY	554-9228
	TRAFFIC SIGNAL SHOP	LAUREN GREEN	550-2736
SFWD	BUSINESS HOURS REPAIRS		550-4965
	NON-BUSINESS HOURS REPAIRS		550-4911
	IDENTIFY LINES		550-4925
AT&T		HUAN HUYNH	644-7040
		DAVID SCOTT	644-7021
		LYNN SOUSA	644-7043
		MARIA TORRES	644-7054
COMCAST		PAUL O'LEARY	859-0530
		DEREK NIPPE	503-4505
PG&E	SERVICE PLANNING	RICK FETRO	695-3374
	SERVICE PLANNING	CAROLINA SILVA-SORIA	695-3466
	CONSTRUCTION	BILL RUSSO	695-3330

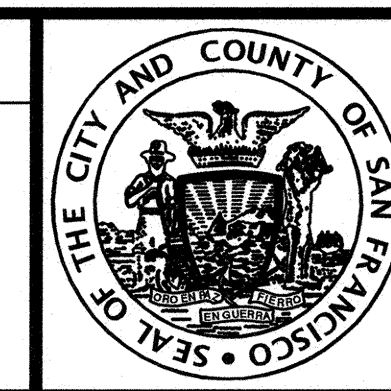
AC	ASPHALT CONCRETE	MH	MANHOLE
BC	BEGINNING OF CURVE	OFF	OFFSET
BLDG	BUILDING	PS	PARKING STRIP
BRK	GRADE BREAK	PCC	POINT OF COMPOUND CURVE
BSW	BACK OF SIDEWALK	PGE	PACIFIC GAS AND ELECTRIC COMPANY
C	TOP OF CURB ELEVATION	PL	PROPERTY LINE
C #	CURVE NUMBER	PRC	POINT OF REVERSE CURVATURE
CATV	CABLE TELEVISION	R	RADIUS
CB	CATCH BASIN	RDWY	ROADWAY
CH	CHANGE	SFFD	SAN FRANCISCO FIRE DEPARTMENT
CL # ENT	CENTER OF (E) # FOOT WIDE ENTRANCE	SFWD	SAN FRANCISCO WATER DEPARTMENT
CONC	CONCRETE	SLPB	STREET LIGHT PULL BOX
DOE	DEPARTMENT OF ELECTRICITY	SWLK	SIDEWALK
EC	END OF CURVE	TEL	TELEPHONE
ENT	ENTRANCE	TSPB	TRAFFIC SIGNAL PULL BOX
FH	FIRE HYDRANT	# L	DISTANCE LEFT OF STATION LINE
G	GUTTER ELEVATION	# R	DISTANCE RIGHT OF STATION LINE
HP	HIGH POINT		
HMA	HOT MIX ASPHALT		

## LEGEND

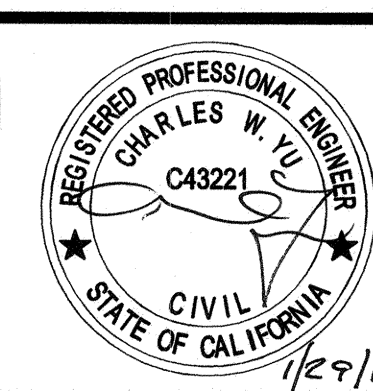
	APPROXIMATE AREA TO BE CONSTRUCTED WITH 0.15' RHMA-G/PAVING MAT/0.10' RHMA-G ON 10-INCH THICK CONCRETE BASE.		6-INCH WIDE CONCRETE CURB TO BE CONSTRUCTED.		EXISTING CURB RAMP
	APPROXIMATE AREA TO BE CONSTRUCTED 0.15' RHMA-G/PAVING MAT/0.10' RHMA-G ON 12-INCH THICK CONCRETE BASE.		SALVAGE EXISTING GRANITE CURB AND REINSTALL		NEW CURB RAMP
	APPROXIMATE AREA TO BE CONSTRUCTED WITH 10-INCH THICK CONCRETE PARKING STRIP, OR WITH CONCRETE GUTTER MATCHING THE THICKNESS OF THE ADJACENT ROADWAY SECTION.		MATCH LINE		NEW CURB RAMP
	APPROXIMATE AREA TO BE CONSTRUCTED WITH 10-INCH THICK REINFORCED CONCRETE BUS PAD.		STATION LINE. STATION LINE EQUALS THE CONTROL LINE (CTL) UNLESS OTHERWISE NOTED.		EXISTING CATCH BASIN
	APPROXIMATE AREA TO BE COLD PLANED AND RECONSTRUCTED WITH 0.15' RHMA-G/PAVING MAT/0.10' RHMA-G.		CONFORM LINE		NEW CATCH BASIN
			RIGHT-OF-WAY LINE		APPROX. UTILITY TRENCH LIMITS, SEE WD, TP, AW, SW-DRAWINGS
			BRICK GUTTER		

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
THIS DRAWING WAS LAST MODIFIED: 01/28/16 11:09, BY: eaquino2				

REFERENCE INFORMATION & FILE NO. OF SURVEYS



**INFRASTRUCTURE DIVISION**  
 DEPARTMENT OF PUBLIC WORKS  
 CITY AND COUNTY OF SAN FRANCISCO



DESIGNED: DATE: 1/16  
 E.AQUINO  
 DRAWN: DATE: 1/16  
 E.AQUINO  
 CHECKED: DATE: 1/16  
 C.YU

APPROVED  
 SECTION MANAGER: *Alman Calles* 2/3/16  
 DEPUTY DIVISION MANAGER: *Phil & Lisa* 2/3/16  
 DIVISION MANAGER: *William Yu* 2/3/16

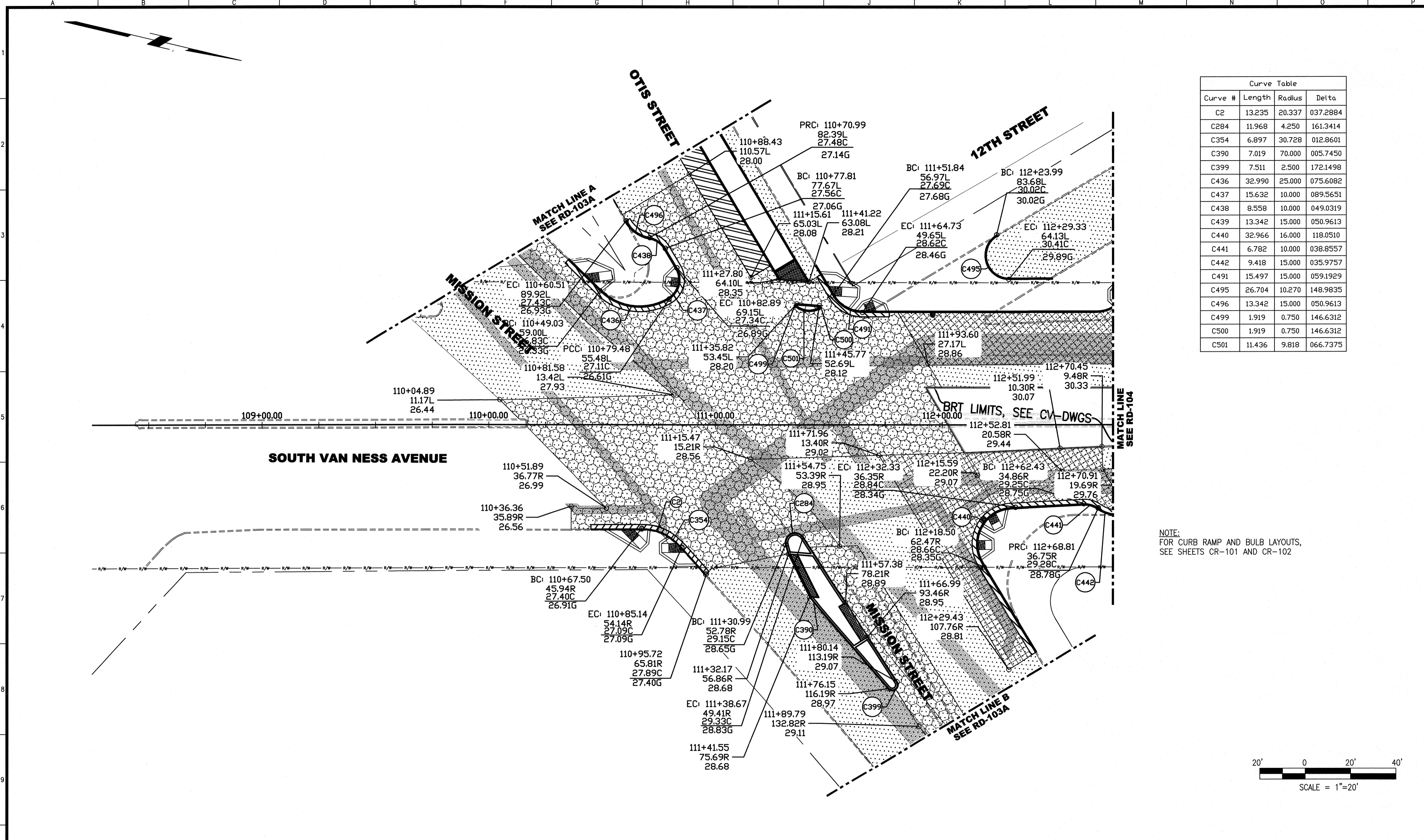
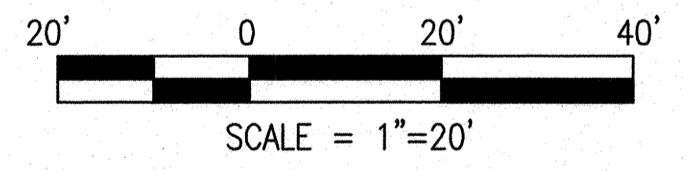
SCALE: SHEET OF SHEETS OF

MUNI BUS RAPID TRANSIT SYSTEM  
 VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT  
 ROADWAY WORK  
 GENERAL NOTES

CONTRACT NO. 1289  
 DRAWING NO. RD-G1  
 FILE NO. 102383  
 REV. NO. 0

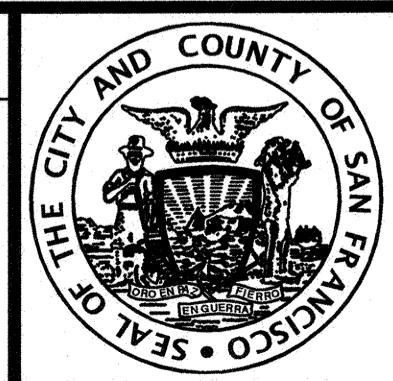
Curve Table			
Curve #	Length	Radius	Delta
C2	13.235	20.337	037.2884
C284	11.968	4.250	161.3414
C354	6.897	30.728	012.8601
C390	7.019	70.000	005.7450
C399	7.511	2.500	172.1498
C436	32.990	25.000	075.6082
C437	15.632	10.000	089.5651
C438	8.558	10.000	049.0319
C439	13.342	15.000	050.9613
C440	32.966	16.000	118.0510
C441	6.782	10.000	038.8557
C442	9.418	15.000	035.9757
C491	15.497	15.000	059.1929
C495	26.704	10.270	148.9835
C496	13.342	15.000	050.9613
C499	1.919	0.750	146.6312
C500	1.919	0.750	146.6312
C501	11.436	9.818	066.7375

NOTE:  
FOR CURB RAMP AND BULB LAYOUTS,  
SEE SHEETS CR-101 AND CR-102

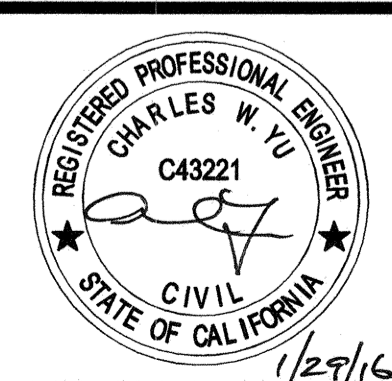


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A-6528  
A-9395  
BK-020B\_PG-014



**INFRASTRUCTURE DIVISION**  
DEPARTMENT OF PUBLIC WORKS  
CITY AND COUNTY OF SAN FRANCISCO



DESIGNED: DATE: 1/16  
E.AQUINO  
DRAWN: DATE: 1/16  
E.AQUINO  
CHECKED: DATE: 1/16  
C.YU

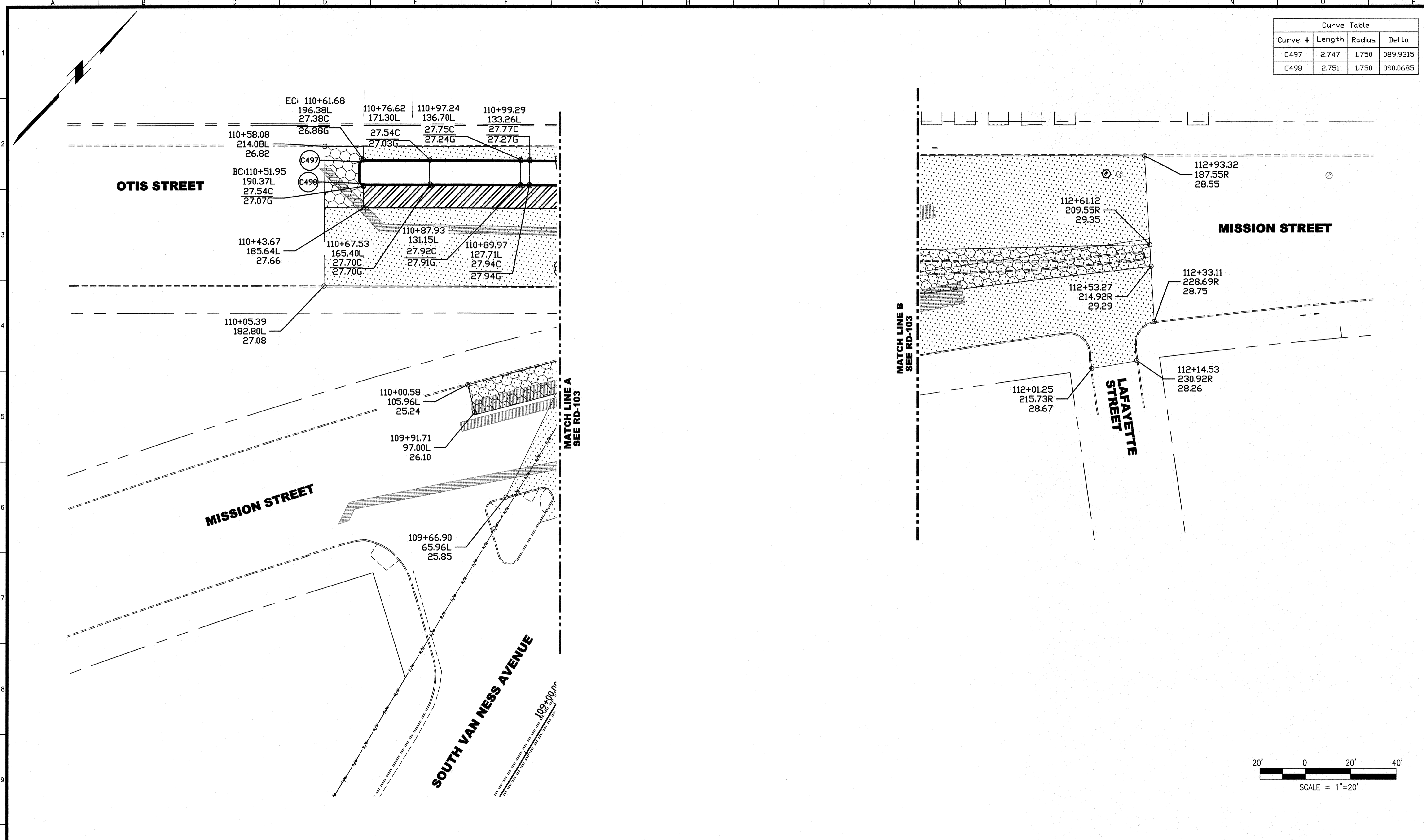
APPROVED  
SECTION MANAGER  
DEPUTY DIVISION MANAGER  
DIVISION MANAGER

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SHEET OF SHEETS  
OF

MUNI BUS RAPID TRANSIT SYSTEM  
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT  
ROADWAY WORK  
CTL 108+25 TO 112+75  
PAVEMENT PLAN & HORIZONTAL ALIGNMENT

CONTRACT NO. 1289  
DRAWING NO. RD-103  
FILE NO. 102384  
REV. NO. 0

Curve Table			
Curve #	Length	Radius	Delta
C497	2.747	1.750	089.9315
C498	2.751	1.750	090.0685



NO.	DATE	DESCRIPTION	BY	APP.

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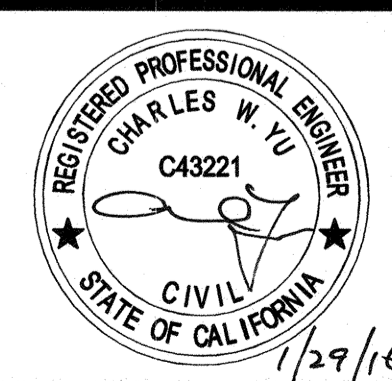
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A-6528  
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**INFRASTRUCTURE DIVISION**  
DEPARTMENT OF PUBLIC WORKS  
CITY AND COUNTY OF SAN FRANCISCO



DESIGNED: DATE:	APPROVED
E.AQUINO 1/16	<i>Charles W. Yu</i> 1/16
DRAWN: DATE:	SECTION MANAGER DATE:
E.AQUINO 1/16	<i>John Kim</i> 2/1/16
CHECKED: DATE:	DEPUTY DIVISION MANAGER DATE:
C.YU 1/16	<i>Paul M. Kim</i> 2/1/16
	DIVISION MANAGER DATE:

SCALE:  
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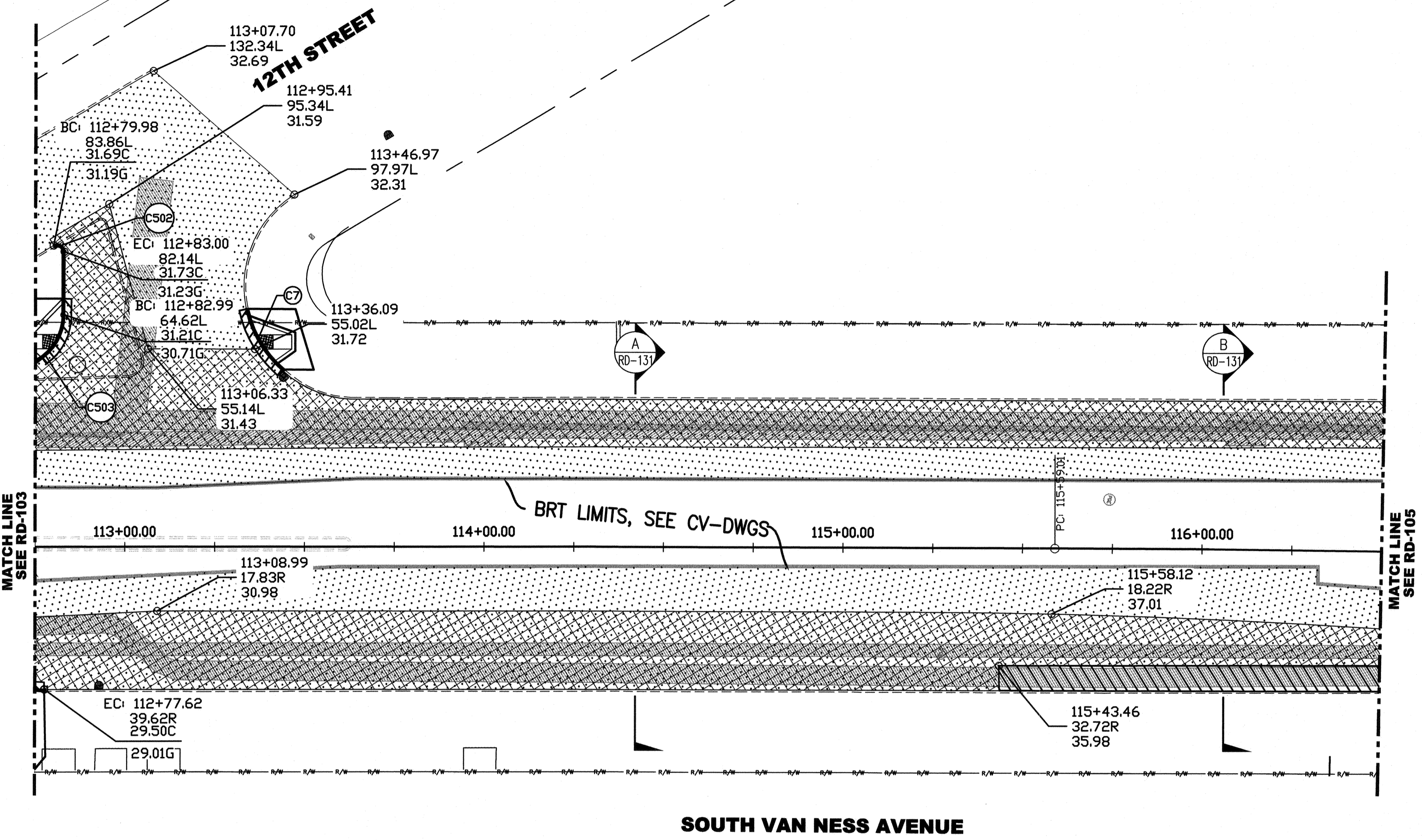
SHEET OF SHEETS  
OF

MUNI BUS RAPID TRANSIT SYSTEM  
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT

ROADWAY WORK  
MISSION ST / OTIS ST  
PAVEMENT PLAN & HORIZONTAL ALIGNMENT

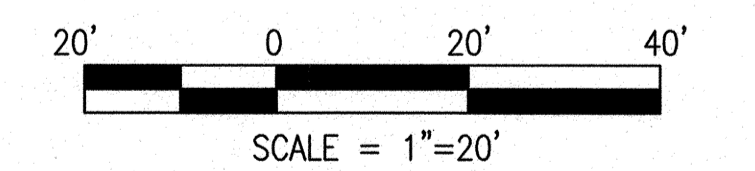
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FILE NO. 102385
REV. NO. 0

A B C D E F G H I J K L M N O P



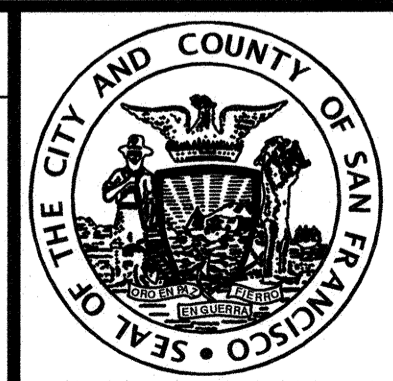
Curve Table			
Curve #	Length	Radius	Delta
C7	20.709	31.783	037.3326
C502	4.213	2.000	120.6956
C503	23.552	15.000	089.9613

NOTE:  
FOR CURB RAMP AND BULB LAYOUTS,  
SEE SHEET CR-102

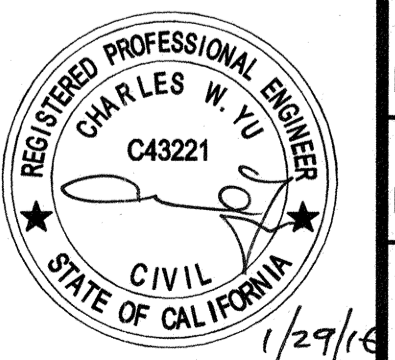


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**INFRASTRUCTURE DIVISION**  
DEPARTMENT OF PUBLIC WORKS  
CITY AND COUNTY OF SAN FRANCISCO



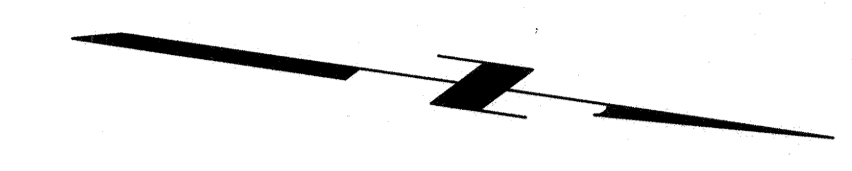
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E.AQUINO 1/16  
DRAWN: DATE: SECTION MANAGER  
E.AQUINO 1/16  
CHECKED: DATE: DEPUTY DIVISION MANAGER  
C.YU 1/16

SCALE:  
1" = 20'-0"  
SHEET OF SHEETS  
OF

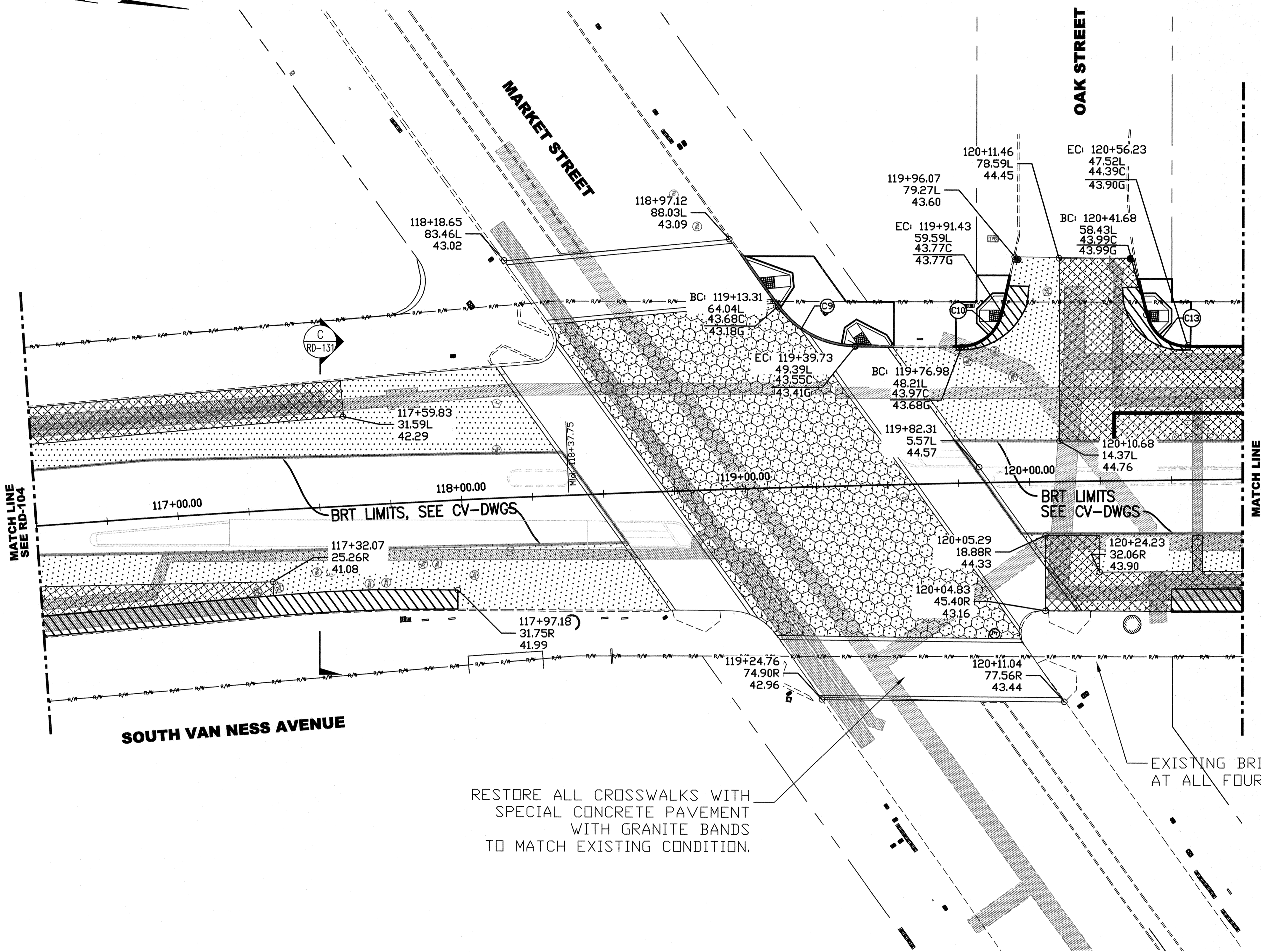
MUNI BUS RAPID TRANSIT SYSTEM  
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT  
ROADWAY WORK  
CTL 112+75 TO 116+50  
PAVEMENT PLAN & HORIZONTAL ALIGNMENT

CONTRACT NO.  
1289  
DRAWING NO.  
RD-104  
FILE NO.  
102386  
REV. NO.  
0

A B C D E F G H I J K L M N O P



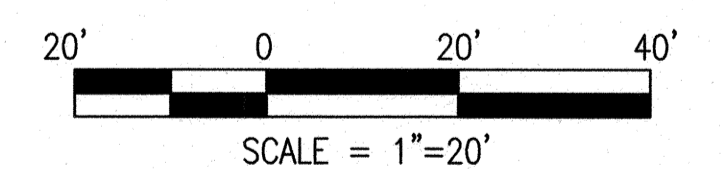
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Curve #	Length	Radius	Delta
C9	29.543	34.707	048.7697
C10	19.997	15.000	076.3825
C13	20.066	15.000	076.6464



NOTE:  
FOR CURB RAMP AND BULB LAYOUTS,  
SEE SHEETS CR-103 AND CR-104

RESTORE ALL CROSSWALKS WITH  
SPECIAL CONCRETE PAVEMENT  
WITH GRANITE BANDS  
TO MATCH EXISTING CONDITION.

EXISTING BRICK SIDEWALK (TYP.)  
AT ALL FOUR CORNERS

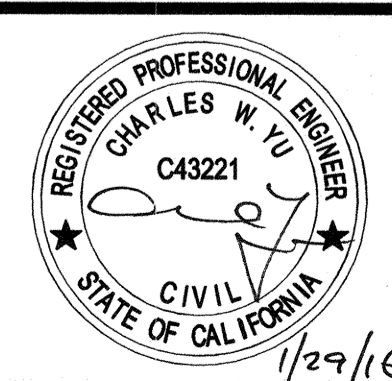


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**INFRASTRUCTURE DIVISION**  
DEPARTMENT OF PUBLIC WORKS  
CITY AND COUNTY OF SAN FRANCISCO



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E.AQUINO  
DRAWN: DATE: 1/16  
E.AQUINO  
CHECKED: DATE: 1/16  
C.YU

APPROVED  
SECTION MANAGER DATE: 2/3/16  
DEPUTY DIVISION MANAGER DATE: 2/3/16  
DIVISION MANAGER DATE: 2/3/16

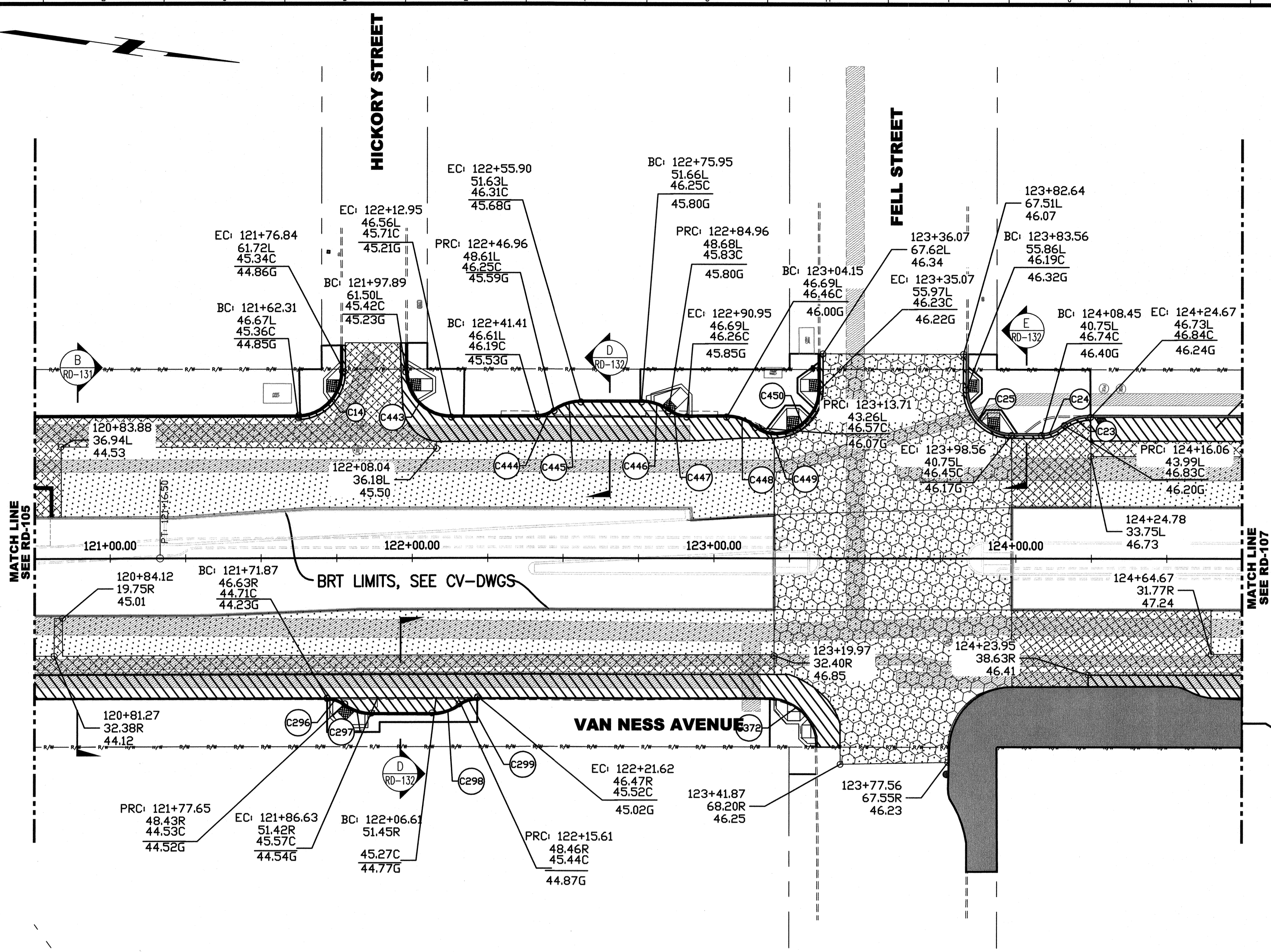
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1" = 20'-0"  
SHEET OF SHEETS  
OF

MUNI BUS RAPID TRANSIT SYSTEM  
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT  
ROADWAY WORK  
CTL 116+50 TO 120+75  
PAVEMENT PLAN & HORIZONTAL ALIGNMENT

CONTRACT NO. 1289  
DRAWING NO. RD-105  
FILE NO. 102387  
REV. NO. 0

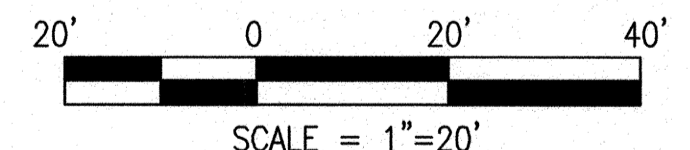


Curve Table			
Curve #	Length	Radius	Delta
C14	23.156	15,000	088.4485
C23	10.596	15,000	040.4726
C24	7.062	10,000	040.4600
C25	23.675	15,000	090.4332
C296	6.219	10,000	035.6304
C297	9.609	15,000	036.7045
C298	9.653	15,000	036.8699
C299	6.435	10,000	036.8699
C372	21.432	16,449	074.6547
C443	23.559	15,000	089.9893
C444	6.435	10,000	036.8717
C445	9.603	14,997	036.8679
C446	9.653	15,000	036.8699
C447	6.421	10,000	036.7919
C448	10.364	15,000	039.5891
C449	6.910	10,000	039.5888
C450	23.539	15,000	089.9136



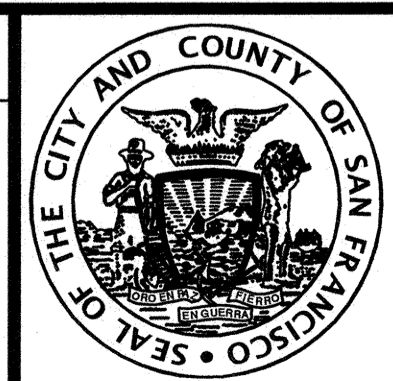
NOTE:  
WORK TO BE DONE BY OTHERS

FOR CURB RAMP AND BULB LAYOUTS,  
SEE SHEET CR-105 AND CR-106

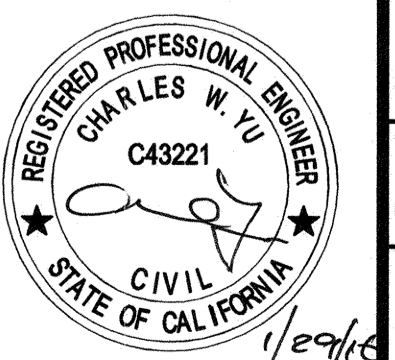


NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
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REFERENCE INFORMATION  
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**INFRASTRUCTURE DIVISION**  
DEPARTMENT OF PUBLIC WORKS  
CITY AND COUNTY OF SAN FRANCISCO



DESIGNED:	DATE:	APPROVED
E.AQUINO	1/16	<i>McCauley</i>
DRAWN:	DATE:	SECTION MANAGER
E.AQUINO	1/16	<i>John F. Coiro</i>
CHECKED:	DATE:	DEPUTY DIVISION MANAGER
C.YU	1/16	<i>John B. Pin</i>
		DIVISION MANAGER

SCALE:  
1" = 20'-0"

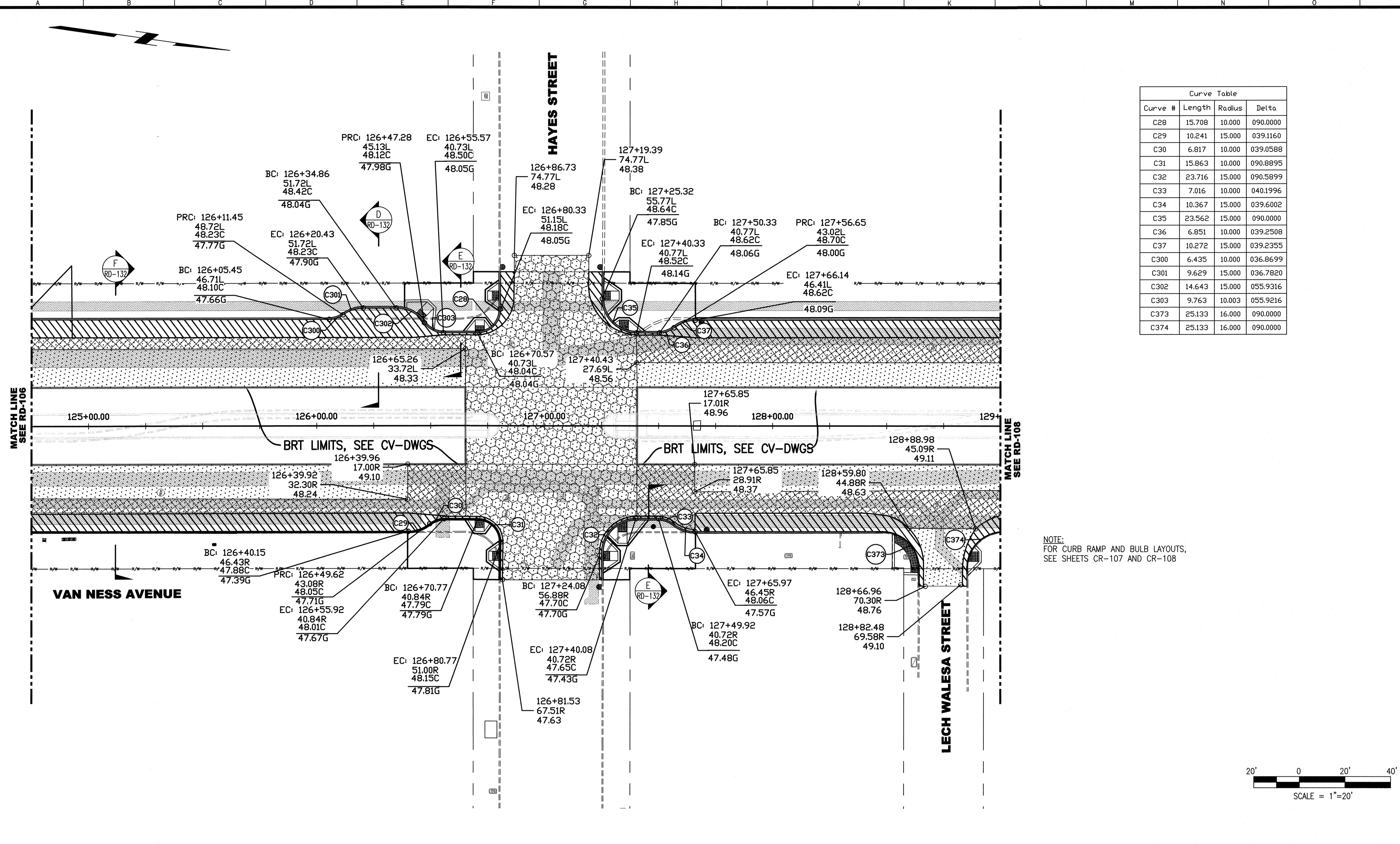
SHEET OF SHEETS  
OF

MUNI BUS RAPID TRANSIT SYSTEM  
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT

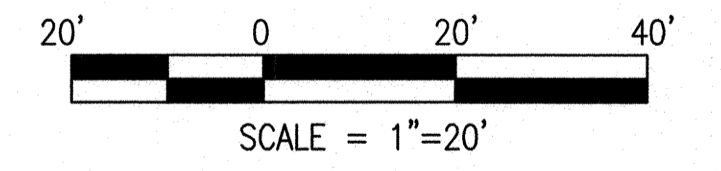
ROADWAY WORK  
CTL 120+75 TO 124+75  
PAVEMENT PLAN & HORIZONTAL ALIGNMENT

CONTRACT NO.	1289
DRAWING NO.	RD-106
FILE NO.	102388
REV. NO.	0

Curve Table			
Curve #	Length	Radius	Delta
C28	15.708	10,000	090.0000
C29	10.241	15,000	039.1160
C30	6.817	10,000	039.0588
C31	15.863	10,000	090.8895
C32	23.716	15,000	090.5899
C33	7.016	10,000	040.1996
C34	10.367	15,000	039.6002
C35	23.562	15,000	090.0000
C36	6.851	10,000	039.2508
C37	10.272	15,000	039.2355
C300	6.435	10,000	036.8699
C301	9.629	15,000	036.7820
C302	14.643	15,000	055.9316
C303	9.763	10,003	055.9216
C373	25.133	16,000	090.0000
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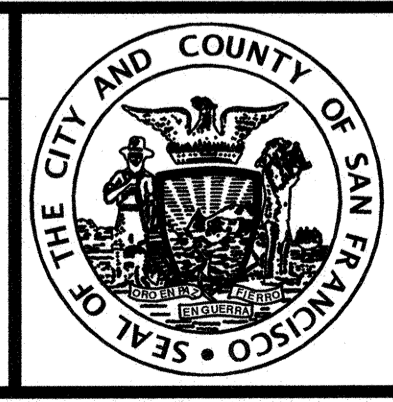


NOTE:  
FOR CURB RAMP AND BULB LAYOUTS,  
SEE SHEETS CR-107 AND CR-108

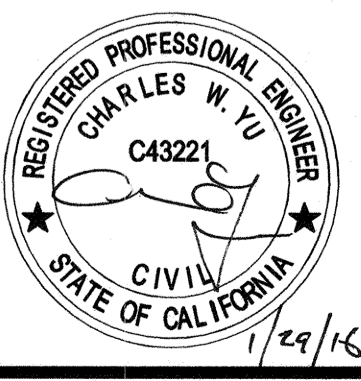


NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
THIS DRAWING WAS LAST MODIFIED: 01/28/16 11:09, BY: eaquino2				

REFERENCE INFORMATION  
& FILE NO. OF SURVEYS



**INFRASTRUCTURE DIVISION**  
DEPARTMENT OF PUBLIC WORKS  
CITY AND COUNTY OF SAN FRANCISCO



DESIGNED: DATE: 1/16  
E.AQUINO  
DRAWN: DATE: 1/16  
E.AQUINO  
CHECKED: DATE: 1/16  
C.YU

APPROVED  
SECTION MANAGER DATE: 2/3/16  
DEPUTY DIVISION MANAGER DATE: 2/3/16  
DIVISION MANAGER DATE: 2/3/16

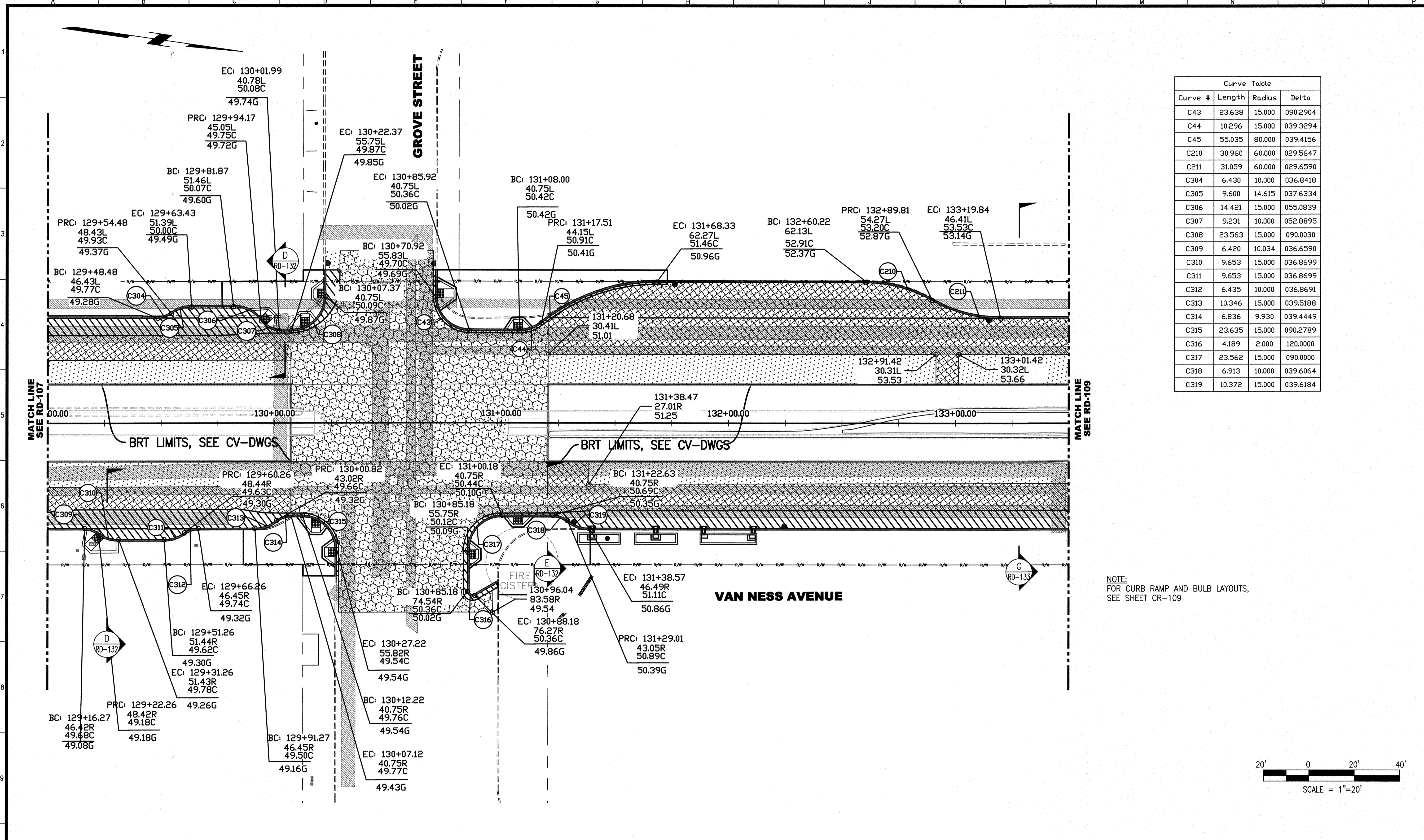
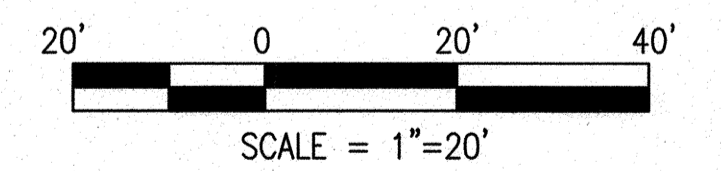
SCALE: 1" = 20'-0"  
SHEET OF SHEETS OF

MUNI BUS RAPID TRANSIT SYSTEM  
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT  
ROADWAY WORK  
CTL 124+75 TO 129+00  
PAVEMENT PLAN & HORIZONTAL ALIGNMENT

CONTRACT NO. 1289  
DRAWING NO. RD-107  
FILE NO. 102389  
REV. NO. 0

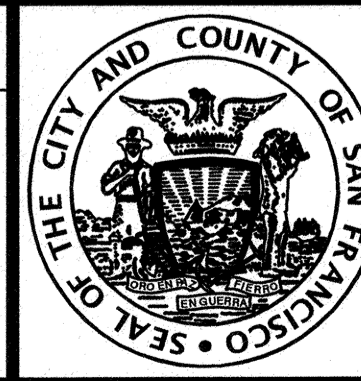
Curve Table			
Curve #	Length	Radius	Delta
C43	23.638	15.000	090.2904
C44	10.296	15.000	039.3294
C45	55.035	80.000	039.4156
C210	30.960	60.000	029.5647
C211	31.059	60.000	029.6590
C304	6.430	10.000	036.8418
C305	9.600	14.615	037.6334
C306	14.421	15.000	055.0839
C307	9.231	10.000	052.8895
C308	23.563	15.000	090.0030
C309	6.420	10.034	036.6590
C310	9.653	15.000	036.8699
C311	9.653	15.000	036.8699
C312	6.435	10.000	036.8691
C313	10.346	15.000	039.5188
C314	6.836	9.930	039.4449
C315	23.635	15.000	090.2789
C316	4.189	2.000	120.0000
C317	23.562	15.000	090.0000
C318	6.913	10.000	039.6064
C319	10.372	15.000	039.6184

NOTE:  
FOR CURB RAMP AND BULB LAYOUTS,  
SEE SHEET CR-109



NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
THIS DRAWING WAS LAST MODIFIED: 01/29/16 16:54, BY: eaquino2				

REFERENCE INFORMATION  
& FILE NO. OF SURVEYS  
64,871  
A-29190



**INFRASTRUCTURE DIVISION**  
DEPARTMENT OF PUBLIC WORKS  
CITY AND COUNTY OF SAN FRANCISCO



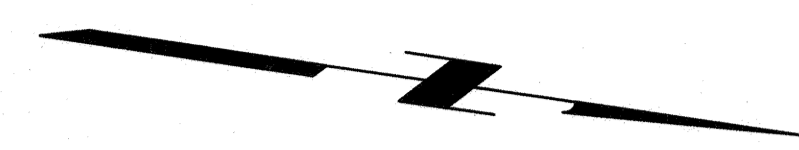
DESIGNED: DATE:	APPROVED
E.AQUINO 1/16	<i>Manuel Salas</i> 2/9/16
DRAWN: DATE:	SECTION MANAGER DATE:
E.AQUINO 1/16	<i>Paul J. Kim</i> 2/3/16
CHECKED: DATE:	DEPUTY DIVISION MANAGER DATE:
C.YU 1/16	<i>Carl J. Kim</i> 4/3/16
	DIVISION MANAGER DATE:

SCALE:  
1" = 20'-0"  
SHEET OF SHEETS  
OF

MUNI BUS RAPID TRANSIT SYSTEM  
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT  
ROADWAY WORK  
CTL 129+00 TO 133+50  
PAVEMENT PLAN & HORIZONTAL ALIGNMENT

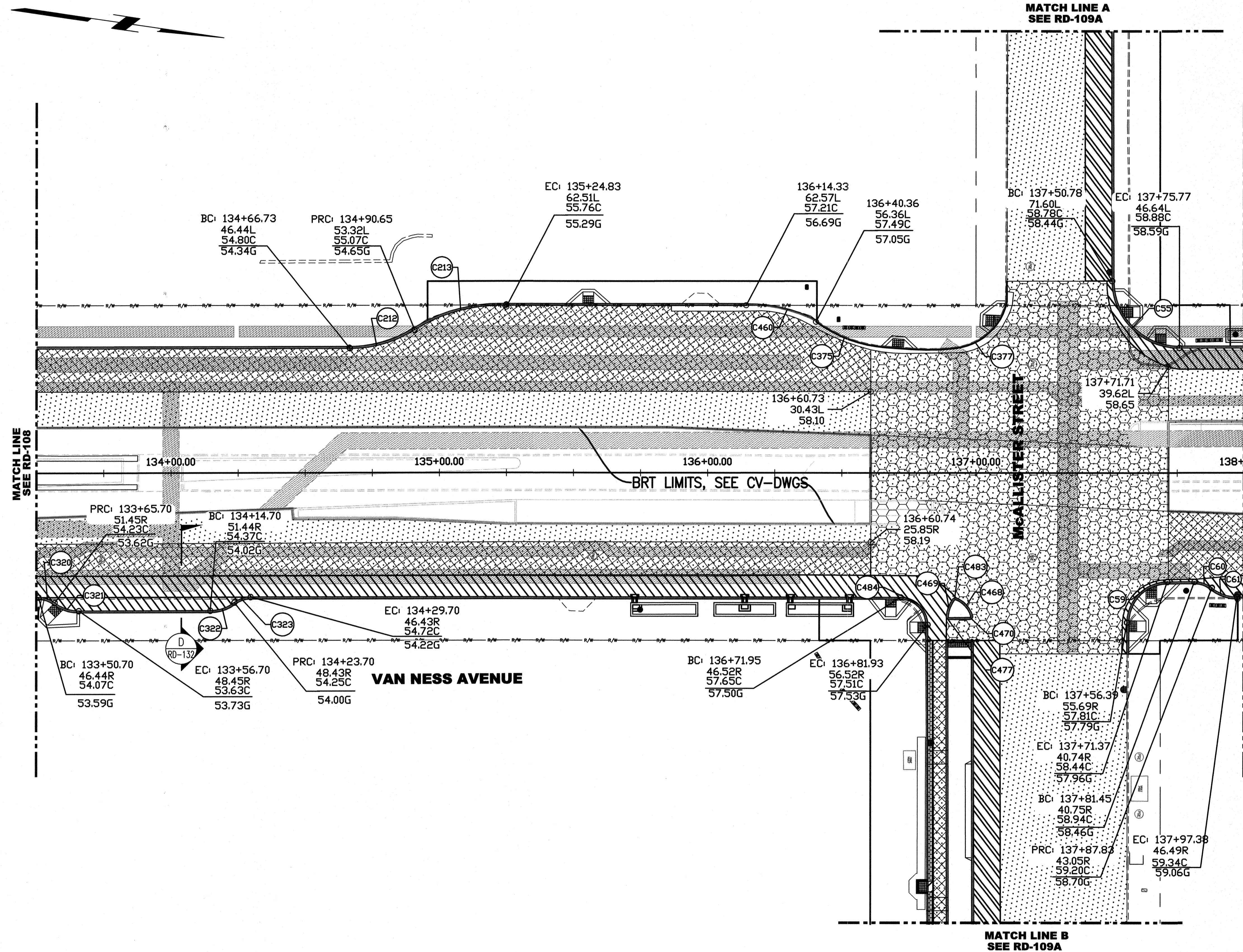
CONTRACT NO.	1289
DRAWING NO.	RD-108
FILE NO.	102390
REV. NO.	0





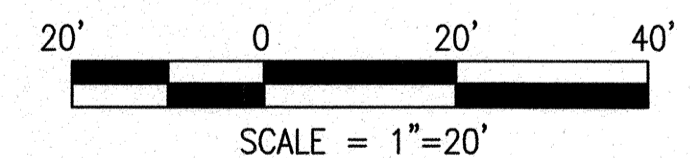
MATCH LINE  
SEE RD-108

MATCH LINE  
SEE RD-110



Curve Table			
Curve #	Length	Radius	Delta
C55	39.242	25.000	089.9369
C59	23.503	15.000	089.7732
C60	6.920	10.000	039.6487
C61	10.378	15.000	039.6425
C212	25.220	45.000	032.1114
C213	33.597	60.000	032.0827
C320	6.421	10.675	034.4644
C321	9.653	15.000	036.8699
C322	9.653	15.000	036.8699
C323	6.435	10.000	036.8699
C375	27.746	49.731	031.9668
C377	11.913	23.347	029.2351
C460	24.391	57.504	024.3029
C468	9.123	9.999	052.2718
C469	6.864	13.000	030.2503
C470	1.860	1.000	106.5874
C477	1.683	1.000	096.4193
C483	1.300	1.000	074.4749
C484	15.717	10.000	090.0500

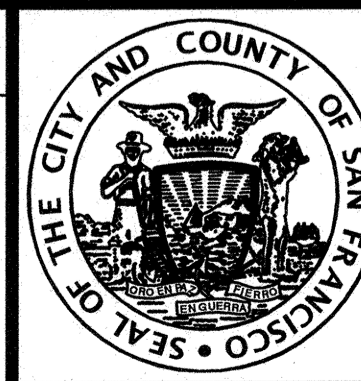
NOTE:  
FOR CURB RAMP AND BULB LAYOUTS,  
SEE SHEETS CR-108 AND CR-110



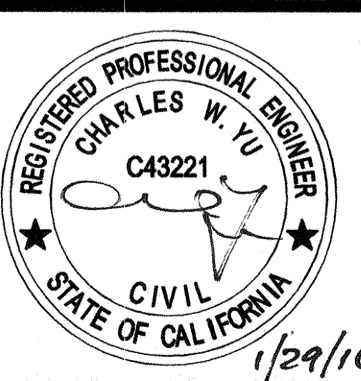
NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
THIS DRAWING WAS LAST MODIFIED: 01/29/16 16:54, BY: eqquino2				

REFERENCE INFORMATION  
& FILE NO. OF SURVEYS

64,871  
71,103  
A-27702  
A-29190



**INFRASTRUCTURE DIVISION**  
DEPARTMENT OF PUBLIC WORKS  
CITY AND COUNTY OF SAN FRANCISCO



DESIGNED: DATE: 1/16  
E.AQUINO

DRAWN: DATE: 1/16  
E.AQUINO

CHECKED: DATE: 1/16  
C.YU

APPROVED  
Manna Calles 2/3/16  
SECTION MANAGER  
DATE: 2/3/16  
Deputy Division Manager  
DATE: 2/3/16  
Division Manager

SCALE:  
1" = 20'-0"

SHEET OF SHEETS  
OF

MUNI BUS RAPID TRANSIT SYSTEM  
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT

ROADWAY WORK  
CTL 133+50 TO 138+00  
PAVEMENT PLAN & HORIZONTAL ALIGNMENT

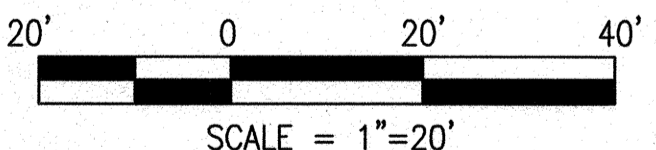
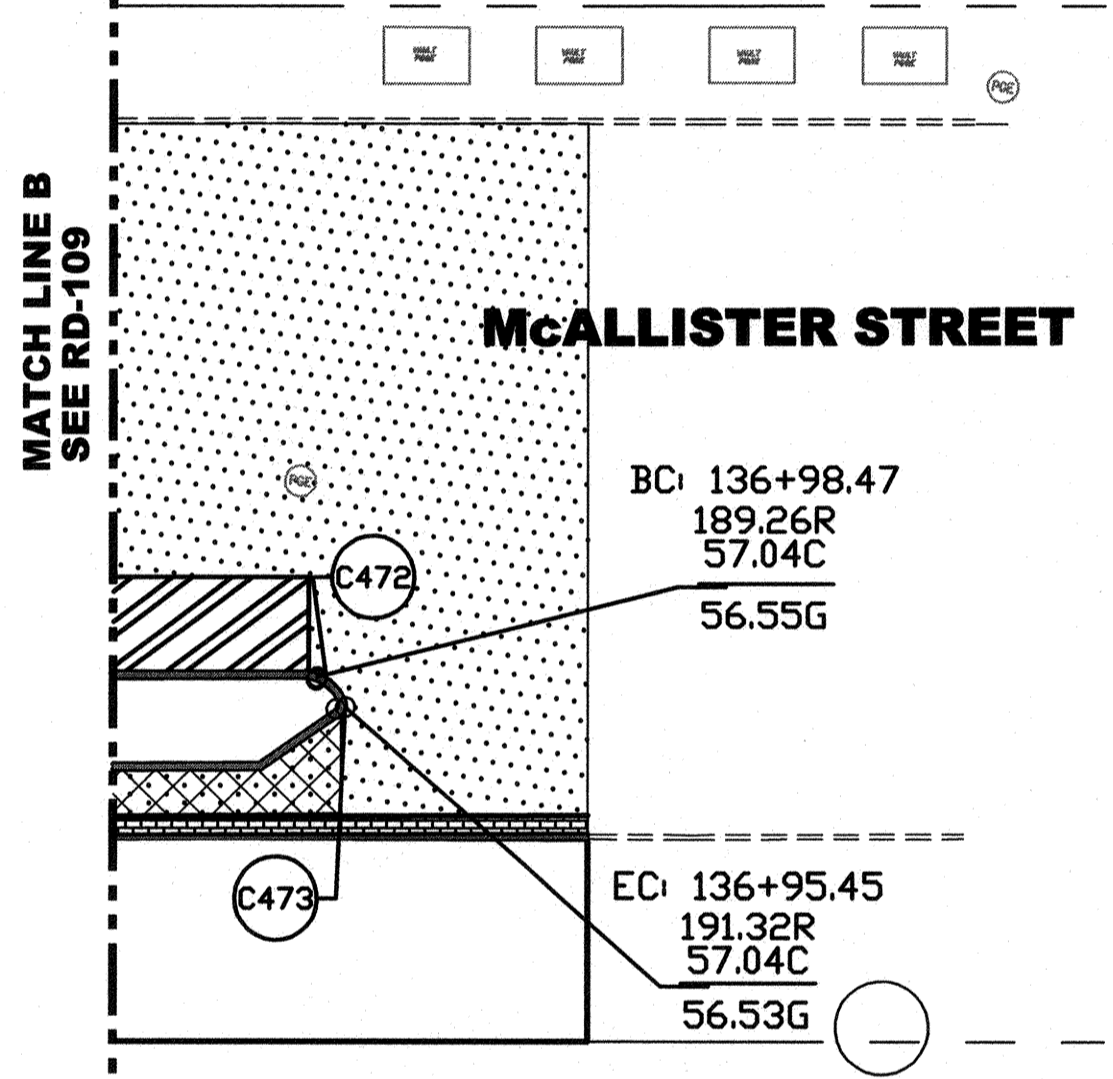
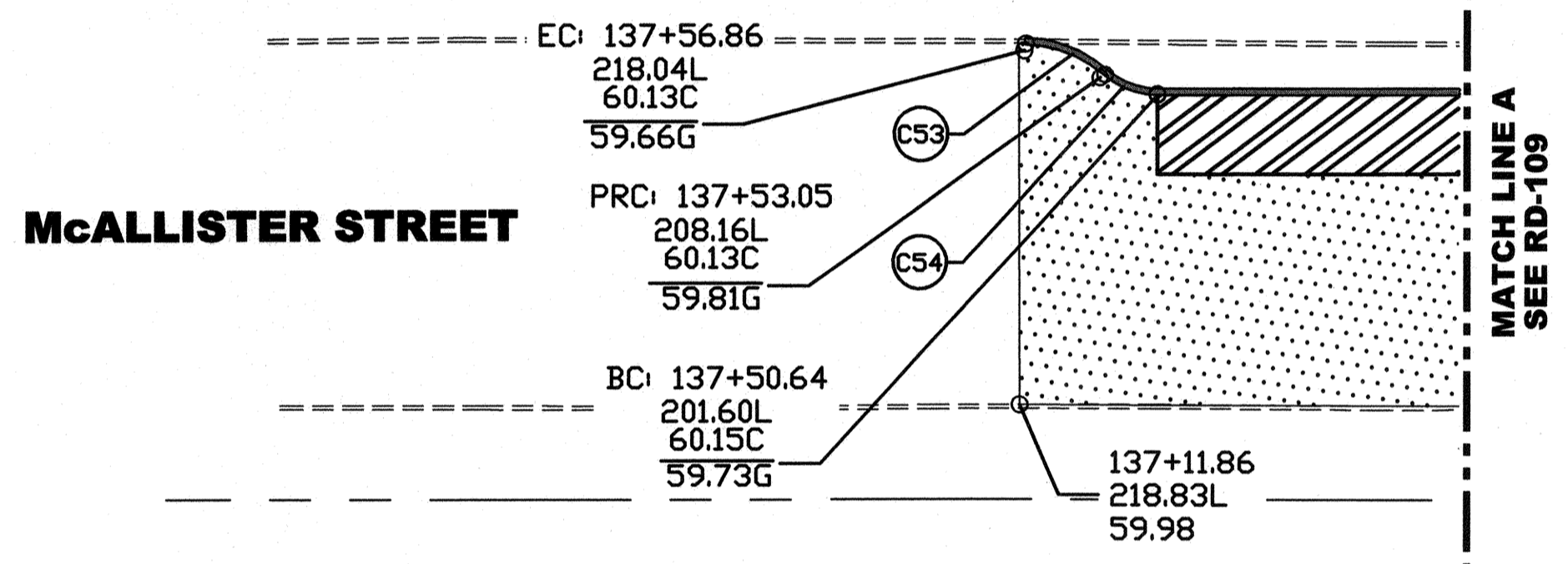
CONTRACT NO.  
1289

DRAWING NO.  
RD-109

FILE NO.  
102391

REV. NO.  
0

Curve Table			
Curve #	Length	Radius	Delta
C53	10.746	15.000	041.0459
C54	7.220	10.000	041.3669
C472	4.780	5.000	054.7787
C473	1.376	1.000	078.8599



NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
THIS DRAWING WAS LAST MODIFIED: 01/29/16 16:54, BY: equino2				

REFERENCE INFORMATION  
& FILE NO. OF SURVEYS

64,871  
71,103  
A-27702  
A-29190



**INFRASTRUCTURE DIVISION**  
DEPARTMENT OF PUBLIC WORKS  
CITY AND COUNTY OF SAN FRANCISCO



DESIGNED: DATE: 1/16  
E.AQUINO  
DRAWN: DATE: 1/16  
E.AQUINO  
CHECKED: DATE: 1/16  
C.YU

APPROVED  
SECTION MANAGER DATE: 2/3/16  
DEPUTY DIVISION MANAGER DATE: 2/3/16  
DIVISION MANAGER DATE: 2/3/16

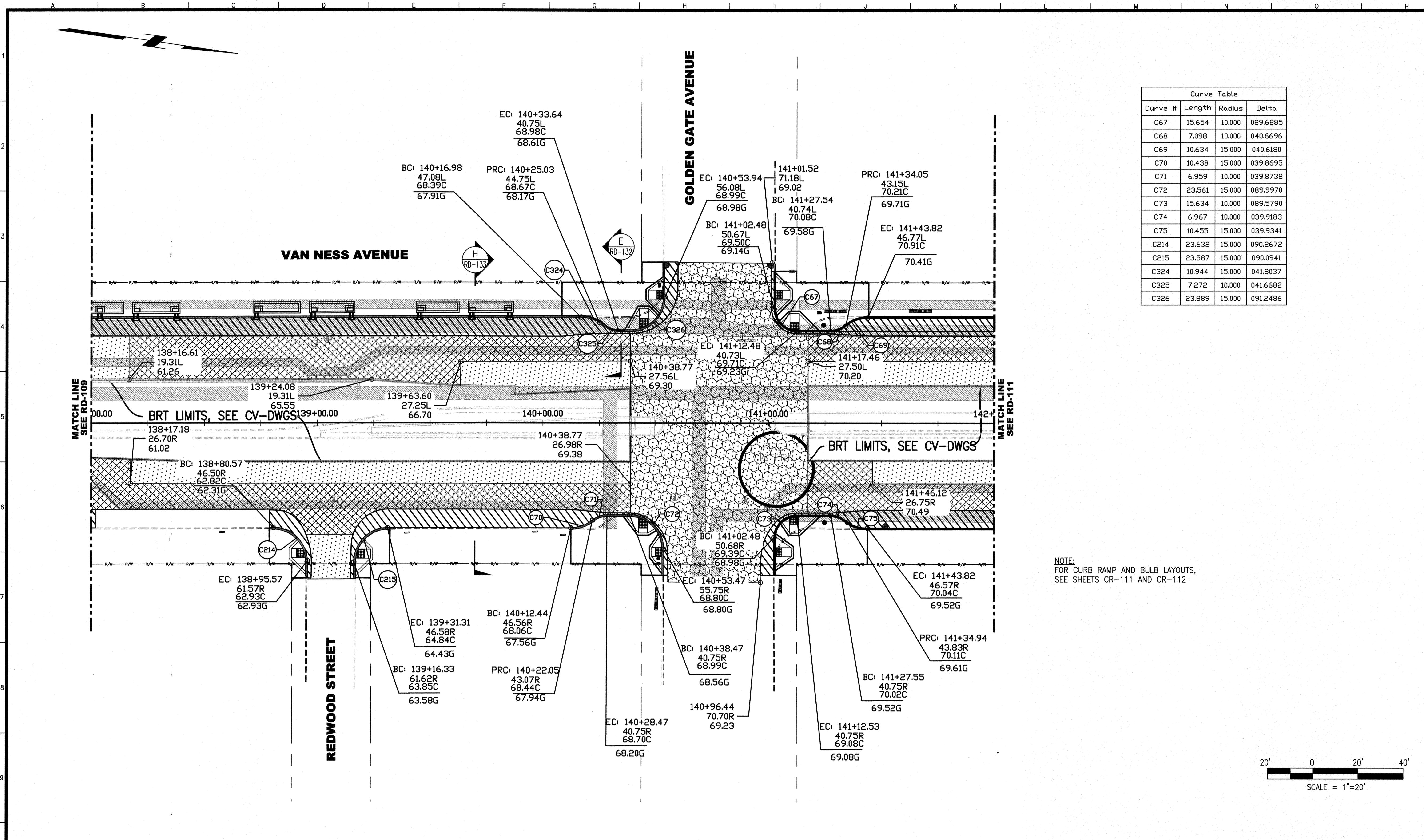
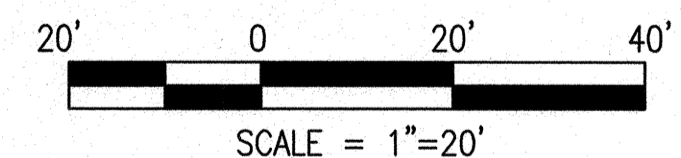
SCALE: 1" = 20'-0"  
SHEET OF SHEETS OF

MUNI BUS RAPID TRANSIT SYSTEM  
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT  
ROADWAY WORK  
McALLISTER ST WEST OF VAN NESS AVE  
PAVEMENT PLAN & HORIZONTAL ALIGNMENT

CONTRACT NO. 1289  
DRAWING NO. RD-109A  
FILE NO. 102392  
REV. NO. 0

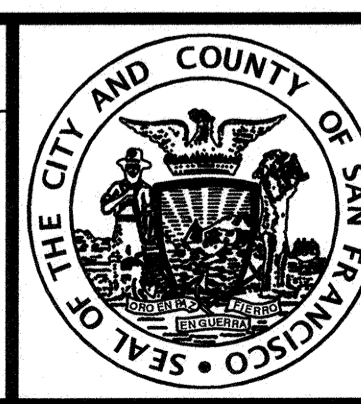
Curve Table			
Curve #	Length	Radius	Delta
C67	15.654	10,000	089.6885
C68	7.098	10,000	040.6696
C69	10.634	15,000	040.6180
C70	10.438	15,000	039.8695
C71	6.959	10,000	039.8738
C72	23.561	15,000	089.9970
C73	15.634	10,000	089.5790
C74	6.967	10,000	039.9183
C75	10.455	15,000	039.9341
C214	23.632	15,000	090.2672
C215	23.587	15,000	090.0941
C324	10.944	15,000	041.8037
C325	7.272	10,000	041.6682
C326	23.889	15,000	091.2486

NOTE:  
FOR CURB RAMP AND BULB LAYOUTS,  
SEE SHEETS CR-111 AND CR-112

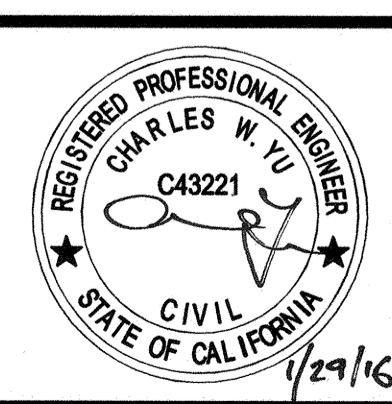


NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
THIS DRAWING WAS LAST MODIFIED: 01/29/16 16:54, BY: eqquino2				

REFERENCE INFORMATION  
& FILE NO. OF SURVEYS  
71,103



**INFRASTRUCTURE DIVISION**  
DEPARTMENT OF PUBLIC WORKS  
CITY AND COUNTY OF SAN FRANCISCO



DESIGNED: DATE: 1/16  
E.AQUINO  
DRAWN: DATE: 1/16  
E.AQUINO  
CHECKED: DATE: 1/16  
C.YU

APPROVED  
SECTION MANAGER DATE: 2/3/16  
DEPUTY DIVISION MANAGER DATE: 2/3/16  
DIVISION MANAGER DATE: 2/3/16

SCALE:  
1" = 20'-0"  
SHEET OF SHEETS  
OF

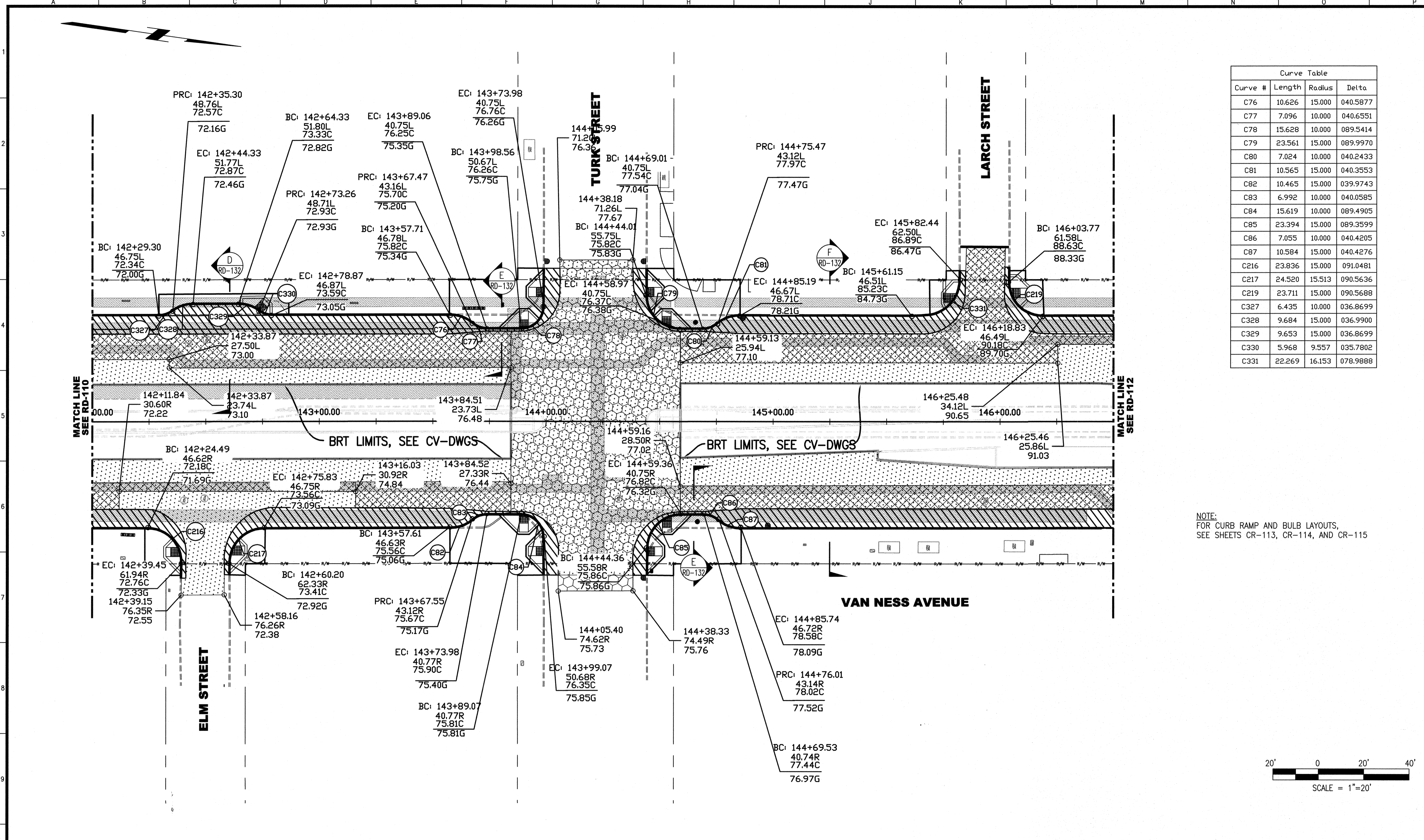
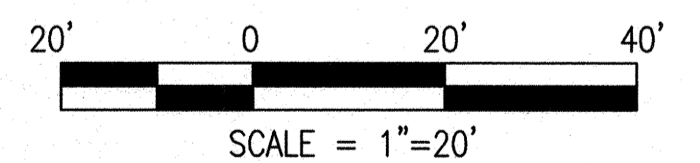
MUNI BUS RAPID TRANSIT SYSTEM  
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT

ROADWAY WORK  
CTL 138+00 TO 142+00  
PAVEMENT PLAN & HORIZONTAL ALIGNMENT

CONTRACT NO. 1289  
DRAWING NO. RD-110  
FILE NO. 102393  
REV. NO. 0

Curve Table			
Curve #	Length	Radius	Delta
C76	10.626	15000	040.5877
C77	7.096	10000	040.6551
C78	15.628	10000	089.5414
C79	23.561	15000	089.9970
C80	7.024	10000	040.2433
C81	10.565	15000	040.3553
C82	10.465	15000	039.9743
C83	6.992	10000	040.0585
C84	15.619	10000	089.4905
C85	23.394	15000	089.3599
C86	7.055	10000	040.4205
C87	10.584	15000	040.4276
C216	23.836	15000	091.0481
C217	24.520	15513	090.5636
C219	23.711	15000	090.5688
C327	6.435	10000	036.8699
C328	9.684	15000	036.9900
C329	9.653	15000	036.8699
C330	5.968	9.557	035.7802
C331	22.269	16153	078.9888

NOTE:  
FOR CURB RAMP AND BULB LAYOUTS,  
SEE SHEETS CR-113, CR-114, AND CR-115

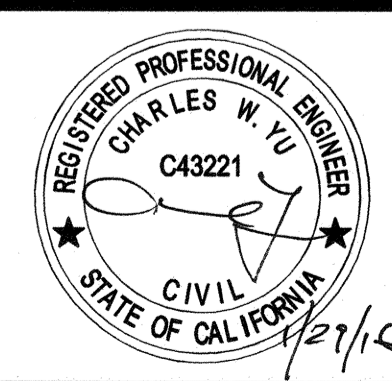


NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
THIS DRAWING WAS LAST MODIFIED: 01/28/16 11:09, BY: eaquino2				

REFERENCE INFORMATION  
& FILE NO. OF SURVEYS  
86,262



**INFRASTRUCTURE DIVISION**  
DEPARTMENT OF PUBLIC WORKS  
CITY AND COUNTY OF SAN FRANCISCO



DESIGNED: DATE: 1/16  
E.AQUINO  
DRAWN: DATE: 1/16  
E.AQUINO  
CHECKED: DATE: 1/16  
C.YU  
APPROVED: [Signature] DATE: 2/3/16  
SECTION MANAGER  
[Signature] DATE: 2/3/16  
DEPUTY DIVISION MANAGER  
[Signature] DATE: 2/3/16  
DIVISION MANAGER

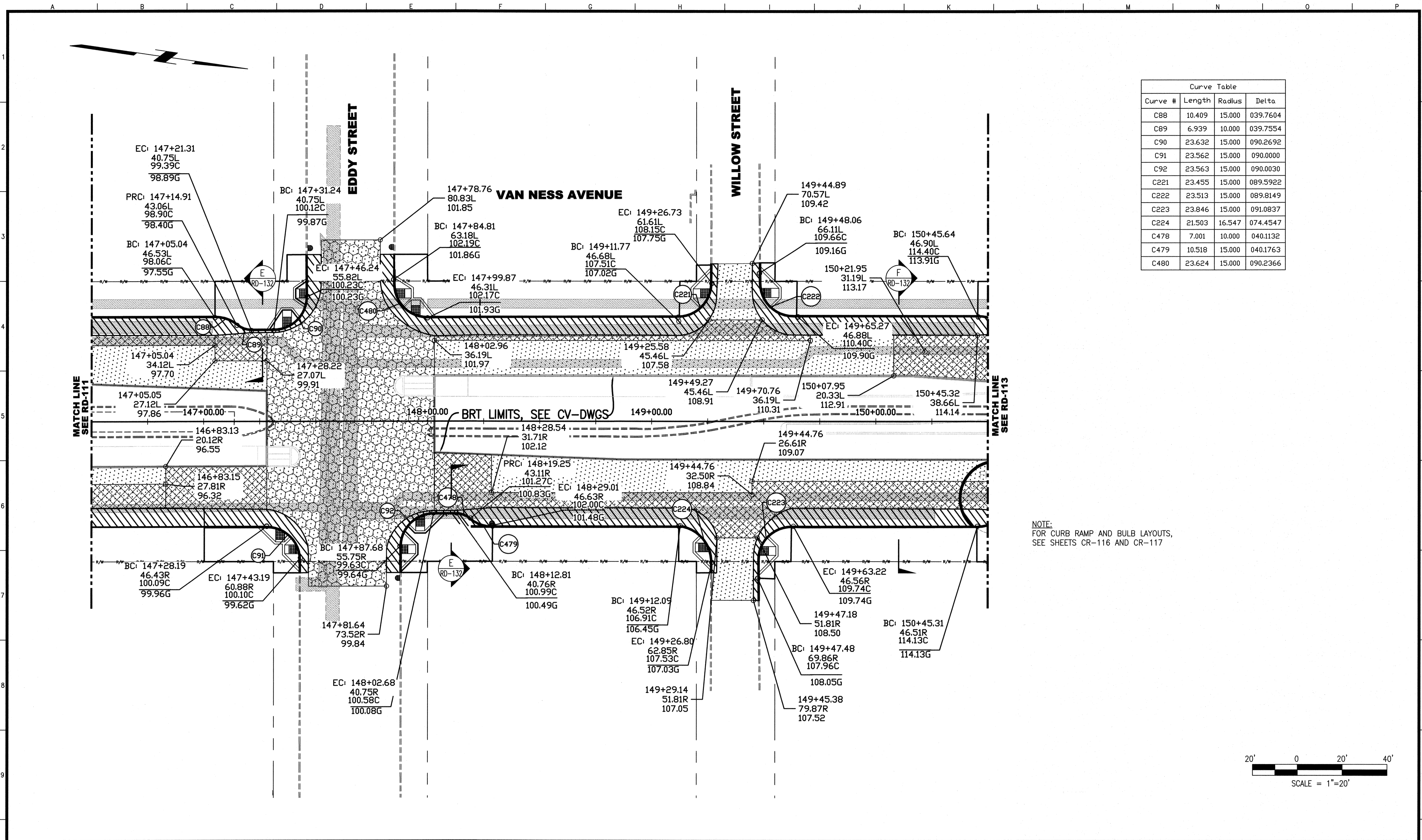
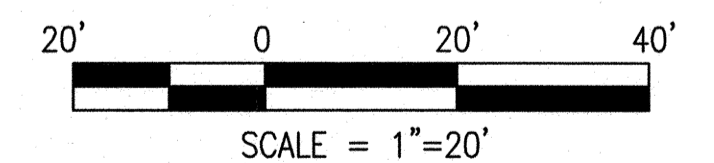
SCALE:  
1" = 20'-0"  
SHEET OF SHEETS  
OF

MUNI BUS RAPID TRANSIT SYSTEM  
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT  
ROADWAY WORK  
CTL 142+00 TO 146+50  
PAVEMENT PLAN & HORIZONTAL ALIGNMENT

CONTRACT NO. 1289  
DRAWING NO. RD-111  
FILE NO. 102394  
REV. NO. 0

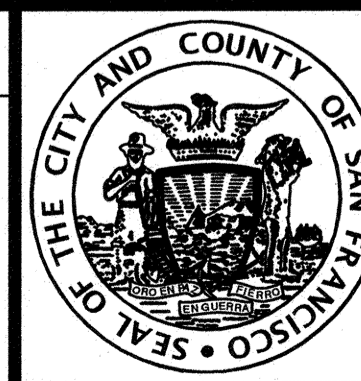
Curve Table			
Curve #	Length	Radius	Delta
C88	10.409	15.000	039.7604
C89	6.939	10.000	039.7554
C90	23.632	15.000	090.2692
C91	23.562	15.000	090.0000
C92	23.563	15.000	090.0030
C221	23.455	15.000	089.5922
C222	23.513	15.000	089.8149
C223	23.846	15.000	091.0837
C224	21.503	16.547	074.4547
C478	7.001	10.000	040.1132
C479	10.518	15.000	040.1763
C480	23.624	15.000	090.2366

NOTE:  
FOR CURB RAMP AND BULB LAYOUTS,  
SEE SHEETS CR-116 AND CR-117

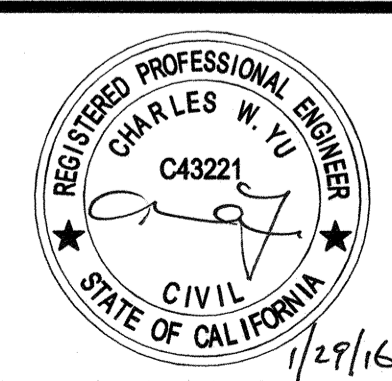


NO.	DATE	DESCRIPTION	BY	APP.
THIS DRAWING WAS LAST MODIFIED: 01/28/16 11:09, BY: esquino2				

REFERENCE INFORMATION  
& FILE NO. OF SURVEYS  
86,262  
A-27761



**INFRASTRUCTURE DIVISION**  
DEPARTMENT OF PUBLIC WORKS  
CITY AND COUNTY OF SAN FRANCISCO



DESIGNED: DATE: APPROVED  
E.AQUINO 1/16  
DRAWN: DATE: SECTION MANAGER  
E.AQUINO 1/16  
CHECKED: DATE: DEPUTY DIVISION MANAGER  
C.YU 1/16  
DIVISION MANAGER

SCALE:  
1" = 20'-0"  
SHEET OF SHEETS  
OF

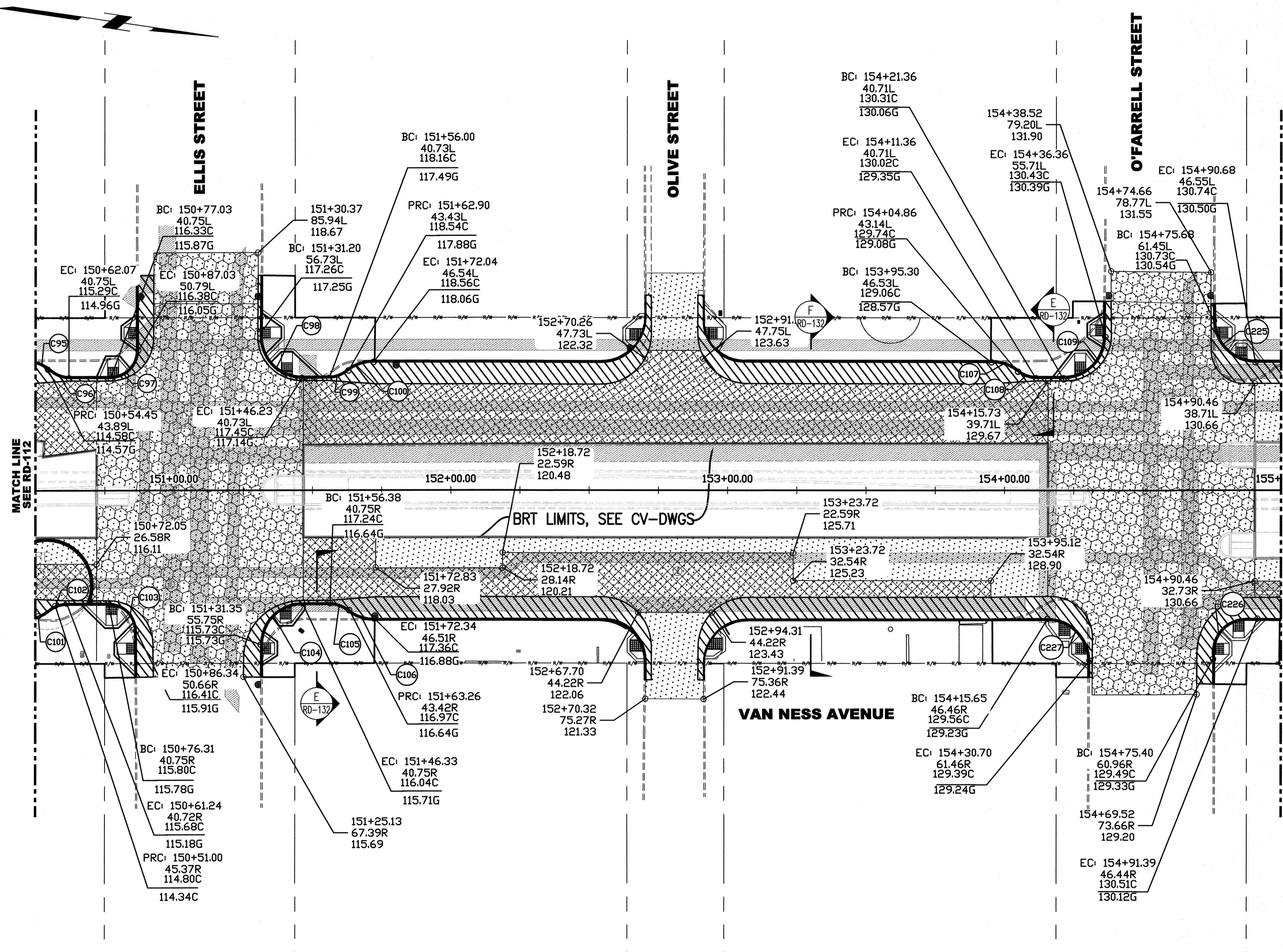
MUNI BUS RAPID TRANSIT SYSTEM  
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT  
ROADWAY WORK  
CTL 146+50 TO 150+50  
PAVEMENT PLAN & HORIZONTAL ALIGNMENT

CONTRACT NO.  
1289  
DRAWING NO.  
RD-112  
FILE NO.  
102395  
REV. NO.  
0



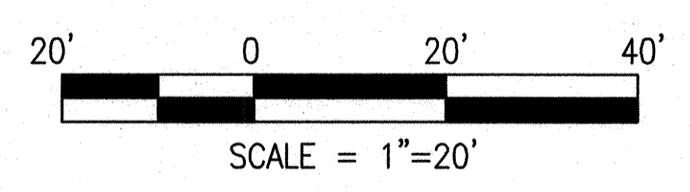
MATCH LINE SEE RD-112

MATCH LINE SEE RD-114



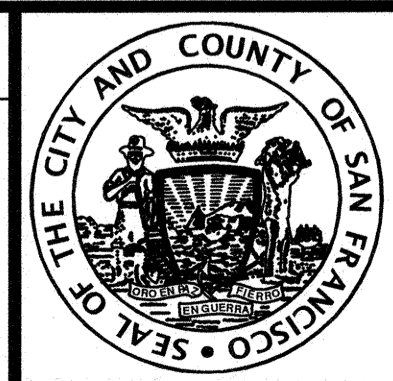
Curve Table			
Curve #	Length	Radius	Delta
C95	10.752	15.000	041.0686
C96	7.167	10.000	041.0644
C97	15.747	10.000	090.2258
C98	23.793	15.000	090.8809
C99	6.957	10.000	039.8588
C100	10.457	15.000	039.9419
C101	10.369	15.000	039.6066
C102	6.930	10.000	039.7055
C103	15.618	10.000	089.4859
C104	23.563	15.000	090.0030
C105	6.926	10.000	039.6803
C106	10.375	15.000	039.6312
C107	10.431	15.000	039.8447
C108	6.970	10.000	039.9329
C109	23.562	15.000	090.0000
C225	23.465	15.000	089.6308
C226	21.323	12.182	100.2894
C227	23.610	15.000	090.1849

NOTE:  
FOR CURB RAMP AND BULB LAYOUTS,  
SEE SHEETS CR-118 AND CR-119

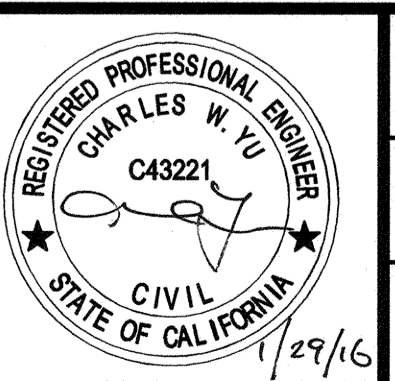


NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
THIS DRAWING WAS LAST MODIFIED: 01/28/16 11:09, BY: eaquino2				

REFERENCE INFORMATION  
& FILE NO. OF SURVEYS  
58,350  
79,225



**INFRASTRUCTURE DIVISION**  
DEPARTMENT OF PUBLIC WORKS  
CITY AND COUNTY OF SAN FRANCISCO



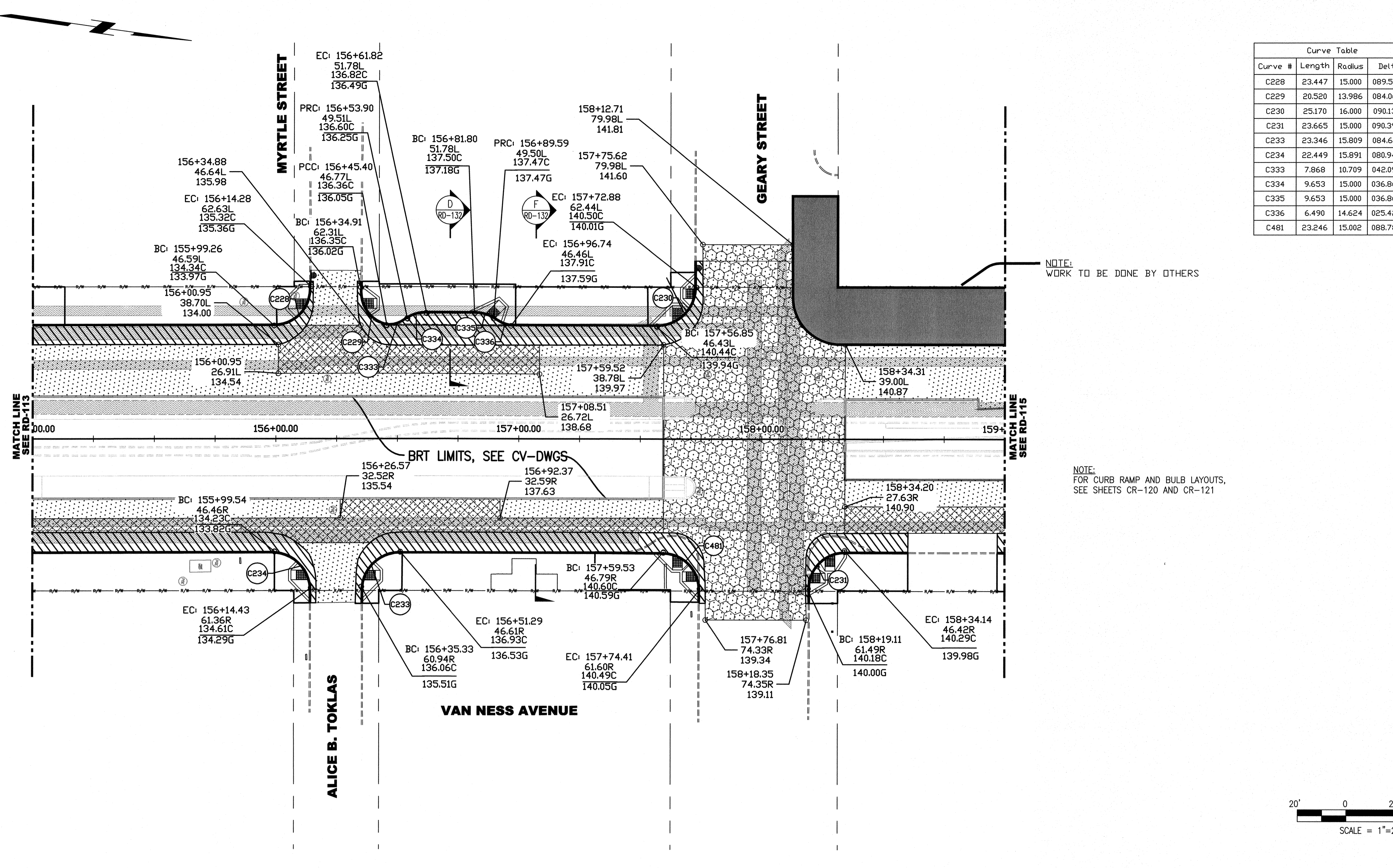
DESIGNED: DATE: APPROVED  
E.AQUINO 1/16 *Manuel Calles 2/2/16*  
DRAWN: DATE: SECTION MANAGER  
E.AQUINO 1/16 *Paul Lim 2/3/16*  
CHECKED: DATE: DEPUTY DIVISION MANAGER  
C.YU 1/16 *Paul Lim 2/3/16*  
DIVISION MANAGER

SCALE:  
1" = 20'-0"  
SHEET OF SHEETS  
OF

MUNI BUS RAPID TRANSIT SYSTEM  
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT  
ROADWAY WORK  
CTL 150+50 TO 155+00  
PAVEMENT PLAN & HORIZONTAL ALIGNMENT

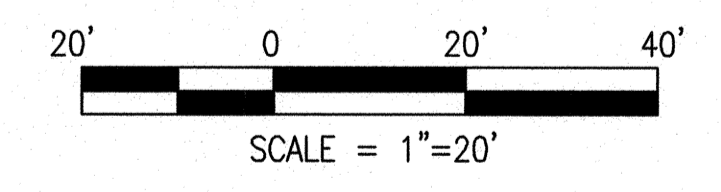
CONTRACT NO.  
1289  
DRAWING NO.  
RD-113  
FILE NO.  
102396  
REV. NO.  
0

Curve Table			
Curve #	Length	Radius	Delta
C228	23.447	15.000	089.5612
C229	20.520	13.986	084.0630
C230	25.170	16.000	090.1330
C231	23.665	15.000	090.3937
C233	23.346	15.809	084.6147
C234	22.449	15.891	080.9422
C333	7.868	10.709	042.0958
C334	9.653	15.000	036.8688
C335	9.653	15.000	036.8699
C336	6.490	14.624	025.4274
C481	23.246	15.002	088.7842



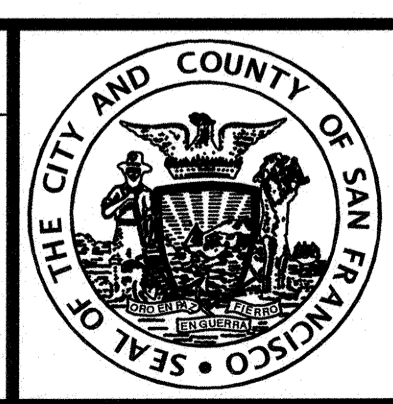
NOTE:  
WORK TO BE DONE BY OTHERS

NOTE:  
FOR CURB RAMP AND BULB LAYOUTS,  
SEE SHEETS CR-120 AND CR-121

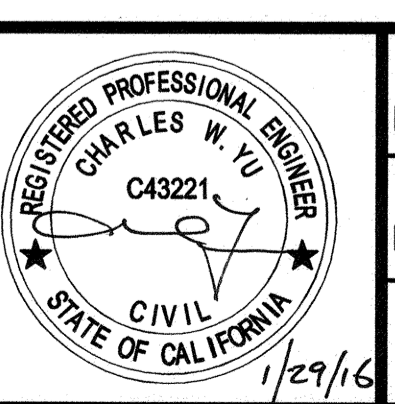


NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
THIS DRAWING WAS LAST MODIFIED: 01/28/16 11:09, BY: equino2				

REFERENCE INFORMATION  
& FILE NO. OF SURVEYS



**INFRASTRUCTURE DIVISION**  
DEPARTMENT OF PUBLIC WORKS  
CITY AND COUNTY OF SAN FRANCISCO



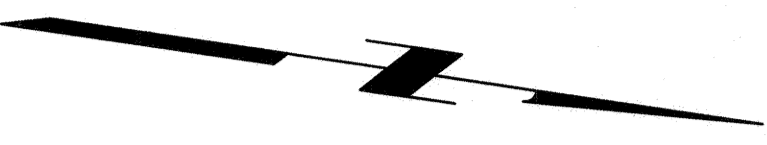
DESIGNED: DATE: 1/16  
E.AQUINO  
DRAWN: DATE: 1/16  
E.AQUINO  
CHECKED: DATE: 1/16  
C.YU

APPROVED  
SECTION MANAGER DATE: 2/6/16  
DEPUTY DIVISION MANAGER DATE: 2/6/16  
DIVISION MANAGER DATE: 2/6/16

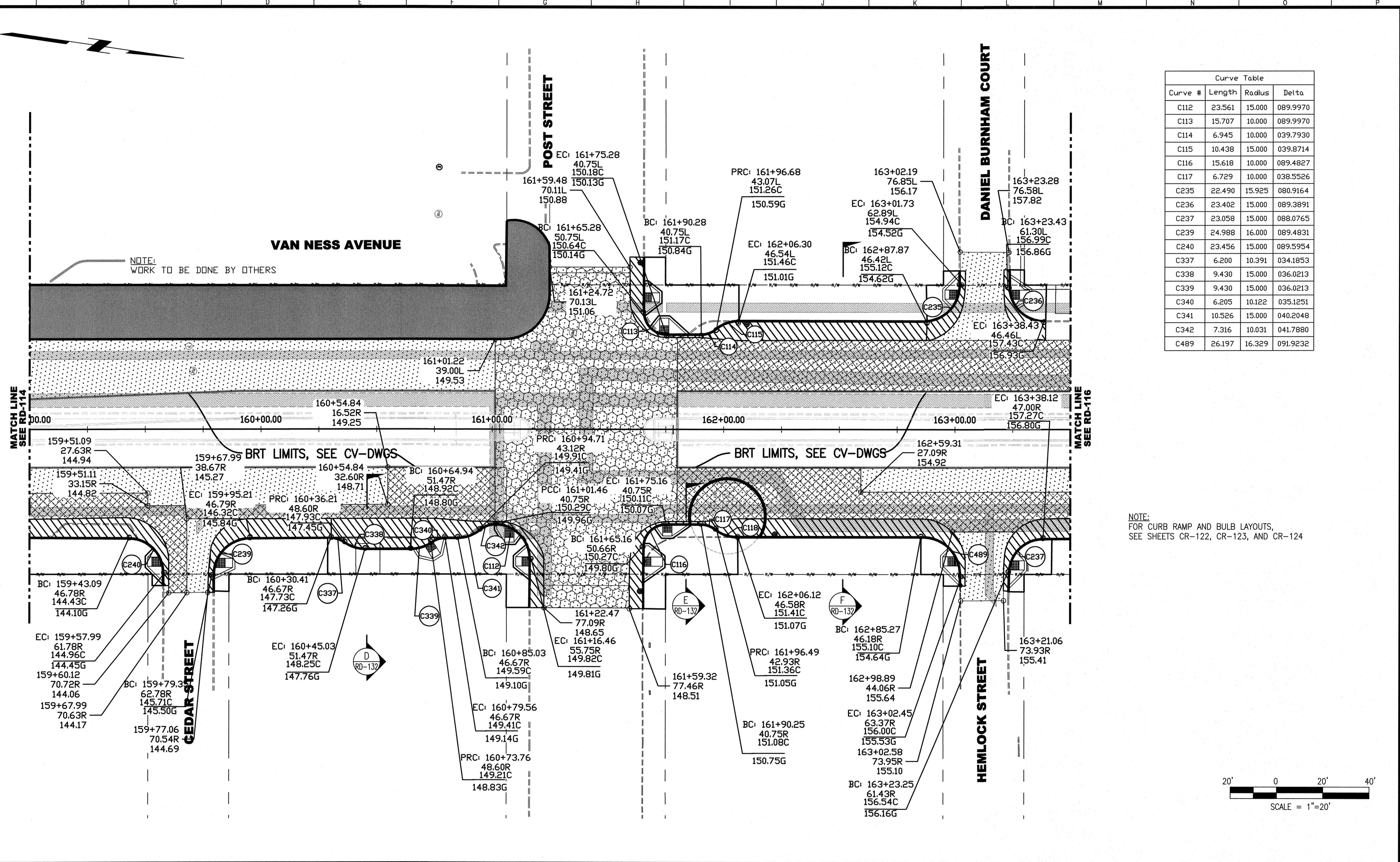
SCALE:  
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SHEET OF SHEETS  
OF

MUNI BUS RAPID TRANSIT SYSTEM  
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT  
ROADWAY WORK  
CTL 155+00 TO 159+00  
PAVEMENT PLAN & HORIZONTAL ALIGNMENT

CONTRACT NO. 1289  
DRAWING NO. RD-114  
FILE NO. 102397  
REV. NO. 0

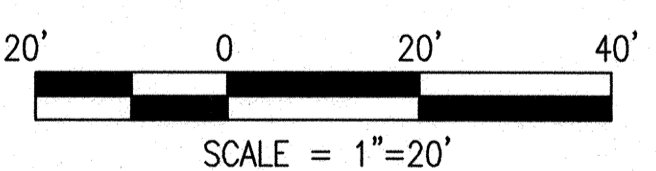


NOTE:  
WORK TO BE DONE BY OTHERS



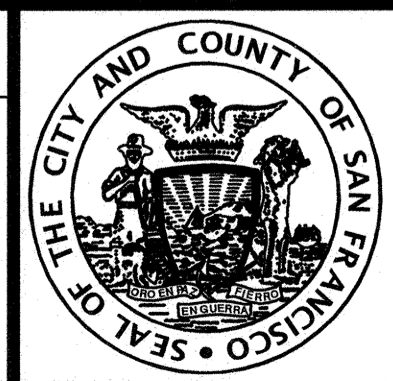
Curve Table			
Curve #	Length	Radius	Delta
C112	23.561	15.000	089.9970
C113	15.707	10.000	089.9970
C114	6.945	10.000	039.7930
C115	10.438	15.000	039.8714
C116	15.618	10.000	089.4827
C117	6.729	10.000	038.5526
C235	22.490	15.925	080.9164
C236	23.402	15.000	089.3891
C237	23.058	15.000	088.0765
C239	24.988	16.000	089.4831
C240	23.456	15.000	089.5954
C337	6.200	10.391	034.1853
C338	9.430	15.000	036.0213
C339	9.430	15.000	036.0213
C340	6.205	10.122	035.1251
C341	10.526	15.000	040.2048
C342	7.316	10.031	041.7880
C489	26.197	16.329	091.9232

NOTE:  
FOR CURB RAMP AND BULB LAYOUTS,  
SEE SHEETS CR-122, CR-123, AND CR-124

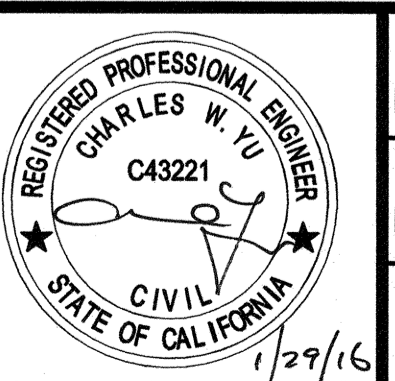


NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
THIS DRAWING WAS LAST MODIFIED: 01/28/16 11:09, BY: esquino2				

REFERENCE INFORMATION  
& FILE NO. OF SURVEYS  
61,427



**INFRASTRUCTURE DIVISION**  
DEPARTMENT OF PUBLIC WORKS  
CITY AND COUNTY OF SAN FRANCISCO



DESIGNED: DATE: 1/16  
DRAWN: DATE: 1/16  
CHECKED: DATE: 1/16  
E.AQUINO  
C.YU

APPROVED  
Manny Valles 7/2/16  
SECTION MANAGER  
Deputy Division Manager  
DIVISION MANAGER

SCALE:  
1" = 20'-0"

SHEET OF SHEETS  
OF

MUNI BUS RAPID TRANSIT SYSTEM  
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT

ROADWAY WORK  
CTL 159+00 TO 163+50  
PAVEMENT PLAN & HORIZONTAL ALIGNMENT

CONTRACT NO.  
1289

DRAWING NO.  
RD-115

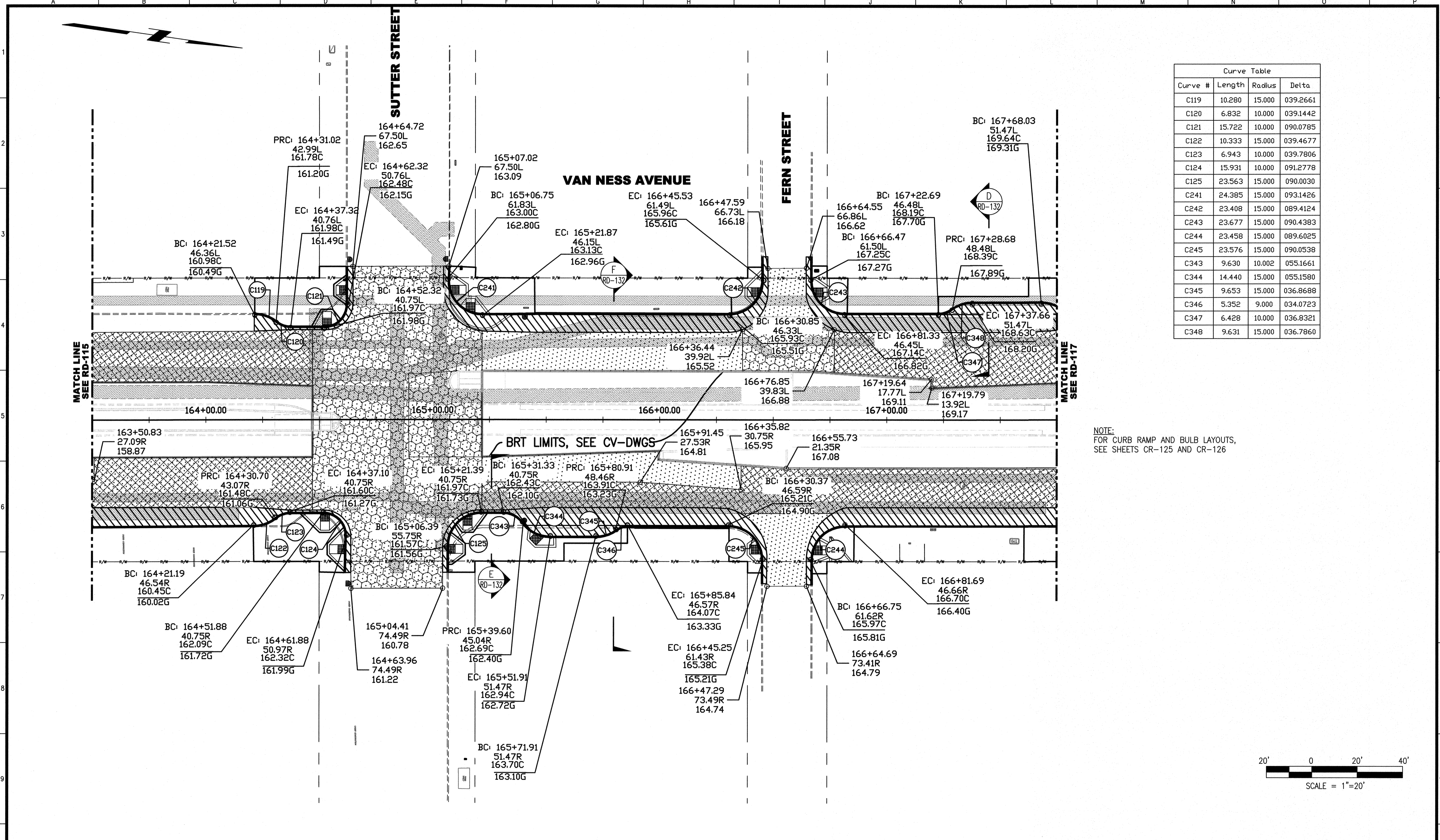
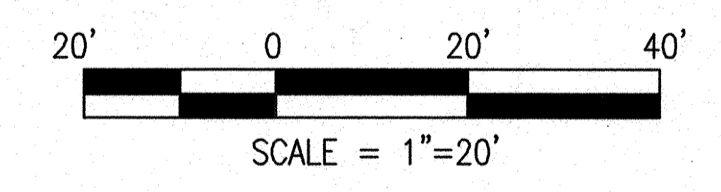
FILE NO.  
102398

REV. NO.  
0



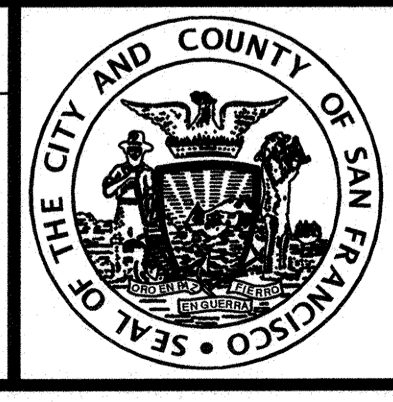
Curve Table			
Curve #	Length	Radius	Delta
C119	10.280	15.000	039.2661
C120	6.832	10.000	039.1442
C121	15.722	10.000	090.0785
C122	10.333	15.000	039.4677
C123	6.943	10.000	039.7806
C124	15.931	10.000	091.2778
C125	23.563	15.000	090.0030
C241	24.385	15.000	093.1426
C242	23.408	15.000	089.4124
C243	23.677	15.000	090.4383
C244	23.458	15.000	089.6025
C245	23.576	15.000	090.0538
C343	9.630	10.002	055.1661
C344	14.440	15.000	055.1580
C345	9.653	15.000	036.8688
C346	5.352	9.000	034.0723
C347	6.428	10.000	036.8321
C348	9.631	15.000	036.7860

NOTE:  
FOR CURB RAMP AND BULB LAYOUTS,  
SEE SHEETS CR-125 AND CR-126

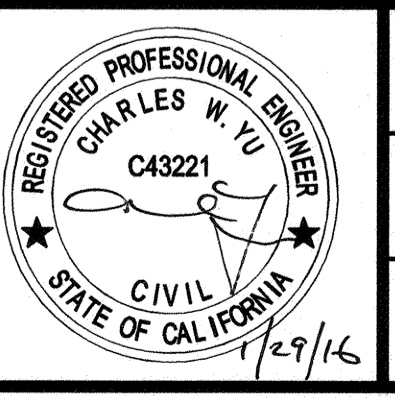


NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
THIS DRAWING WAS LAST MODIFIED: 01/28/16 11:09, BY: eaquino2				

REFERENCE INFORMATION  
& FILE NO. OF SURVEYS  
73.362



**INFRASTRUCTURE DIVISION**  
DEPARTMENT OF PUBLIC WORKS  
CITY AND COUNTY OF SAN FRANCISCO



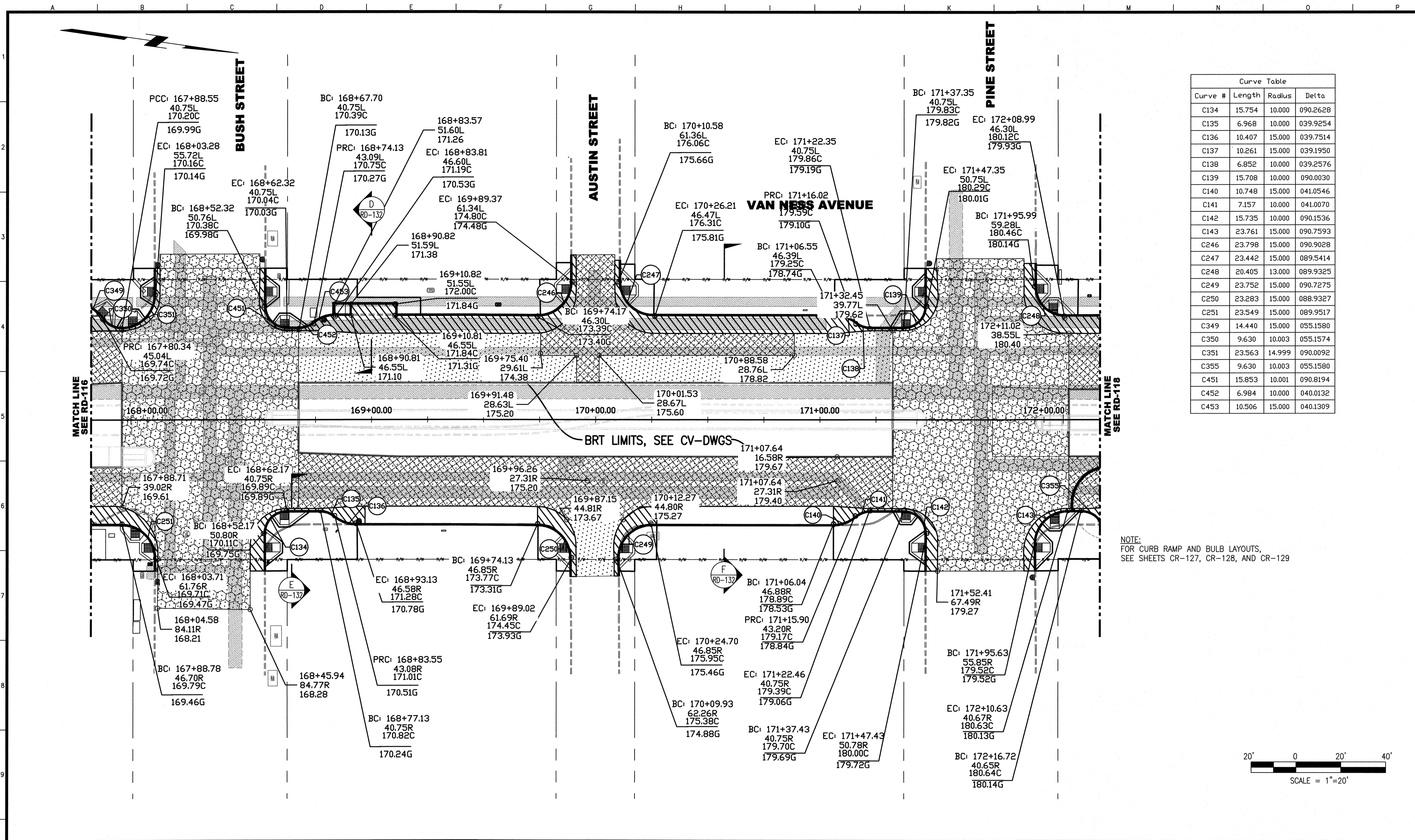
DESIGNED: DATE: 1/16  
E.AQUINO  
DRAWN: DATE: 1/16  
E.AQUINO  
CHECKED: DATE: 1/16  
C.YU

APPROVED  
SECTION MANAGER: [Signature] DATE: 2/3/16  
DEPUTY DIVISION MANAGER: [Signature] DATE: 4/3/16  
DIVISION MANAGER: [Signature]

SCALE:  
1" = 20'-0"  
SHEET OF SHEETS  
OF

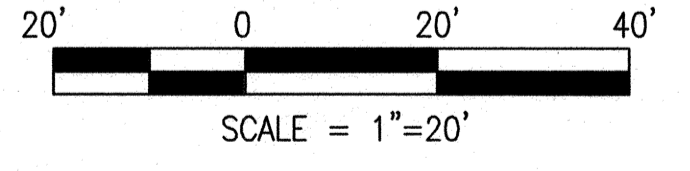
MUNI BUS RAPID TRANSIT SYSTEM  
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT  
ROADWAY WORK  
CTL 163+50 TO 167+75  
PAVEMENT PLAN & HORIZONTAL ALIGNMENT

CONTRACT NO. 1289  
DRAWING NO. RD-116  
FILE NO. 102399  
REV. NO. 0



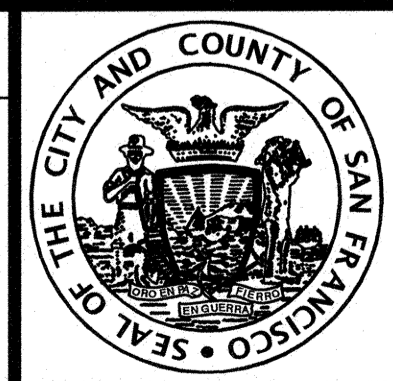
Curve Table			
Curve #	Length	Radius	Delta
C134	15.754	10,000	090.2628
C135	6.968	10,000	039.9254
C136	10.407	15,000	039.7514
C137	10.261	15,000	039.1950
C138	6.852	10,000	039.2576
C139	15.708	10,000	090.0030
C140	10.748	15,000	041.0546
C141	7.157	10,000	041.0070
C142	15.735	10,000	090.1536
C143	23.761	15,000	090.7593
C246	23.798	15,000	090.9028
C247	23.442	15,000	089.5414
C248	20.405	13,000	089.9325
C249	23.752	15,000	090.7275
C250	23.283	15,000	088.9327
C251	23.549	15,000	089.9517
C349	14.440	15,000	055.1580
C350	9.630	10,003	055.1574
C351	23.563	14,999	090.0092
C355	9.630	10,003	055.1580
C451	15.853	10,001	090.8194
C452	6.984	10,000	040.0132
C453	10.506	15,000	040.1309

NOTE:  
FOR CURB RAMP AND BULB LAYOUTS,  
SEE SHEETS CR-127, CR-128, AND CR-129

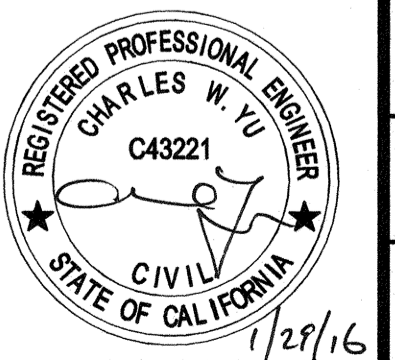


NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
THIS DRAWING WAS LAST MODIFIED: 01/28/16 11:09, BY: equinoz				

REFERENCE INFORMATION  
& FILE NO. OF SURVEYS  
A-17251  
A-17876



**INFRASTRUCTURE DIVISION**  
DEPARTMENT OF PUBLIC WORKS  
CITY AND COUNTY OF SAN FRANCISCO

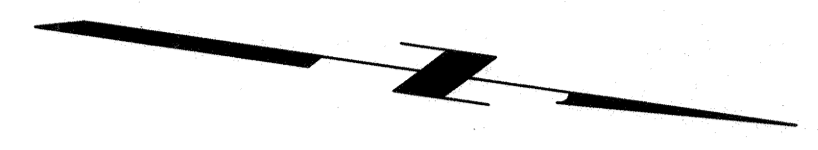


DESIGNED: DATE: APPROVED  
E.AQUINO 1/16  
DRAWN: DATE: SECTION MANAGER  
E.AQUINO 1/16  
CHECKED: DATE: DEPUTY DIVISION MANAGER  
C.YU 1/16 DIVISION MANAGER

SCALE: 1" = 20'-0"  
SHEET OF SHEETS OF

MUNI BUS RAPID TRANSIT SYSTEM  
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT  
ROADWAY WORK  
CTL 167+75 TO 172+25  
PAVEMENT PLAN & HORIZONTAL ALIGNMENT

CONTRACT NO. 1289  
DRAWING NO. RD-117  
FILE NO. 102400  
REV. NO. 0

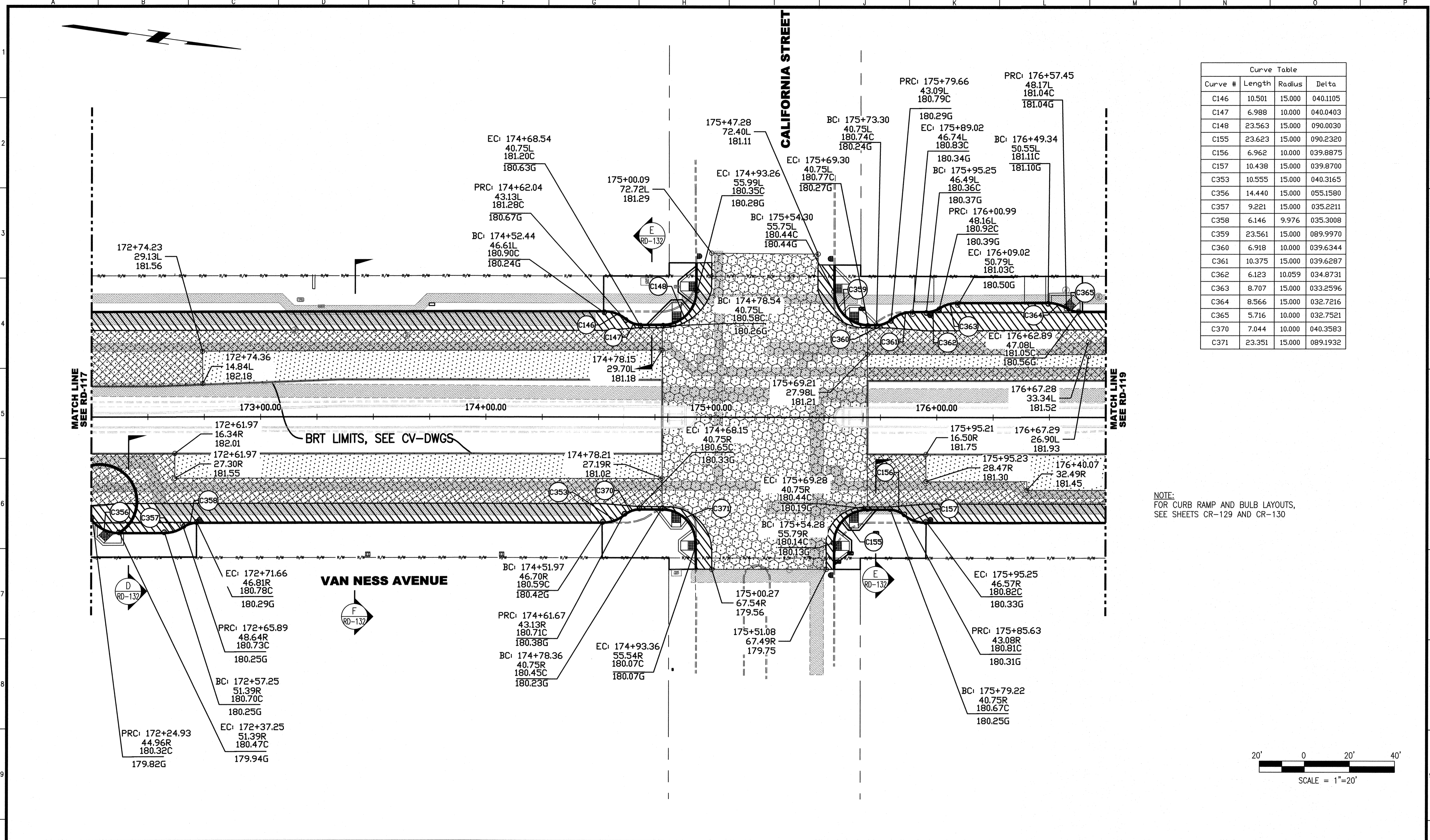
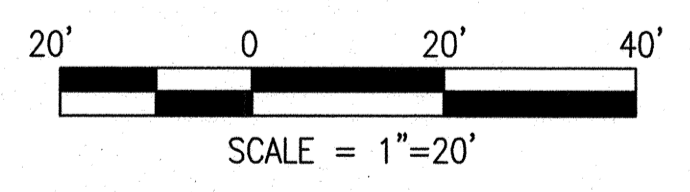


MATCH LINE  
SEE RD-117

MATCH LINE  
SEE RD-119

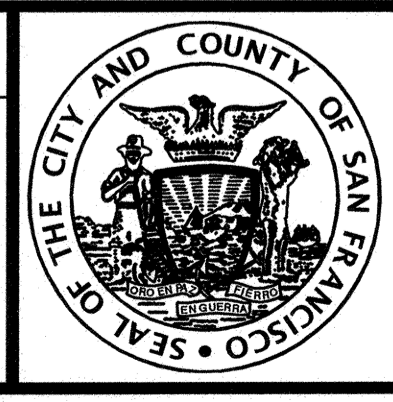
Curve Table			
Curve #	Length	Radius	Delta
C146	10.501	15.000	040.1105
C147	6.988	10.000	040.0403
C148	23.563	15.000	090.0030
C155	23.623	15.000	090.2320
C156	6.962	10.000	039.8875
C157	10.438	15.000	039.8700
C353	10.555	15.000	040.3165
C356	14.440	15.000	055.1580
C357	9.221	15.000	035.2211
C358	6.146	9.976	035.3008
C359	23.561	15.000	089.9970
C360	6.918	10.000	039.6344
C361	10.375	15.000	039.6287
C362	6.123	10.059	034.8731
C363	8.707	15.000	033.2596
C364	8.566	15.000	032.7216
C365	5.716	10.000	032.7521
C370	7.044	10.000	040.3583
C371	23.351	15.000	089.1932

NOTE:  
FOR CURB RAMP AND BULB LAYOUTS,  
SEE SHEETS CR-129 AND CR-130

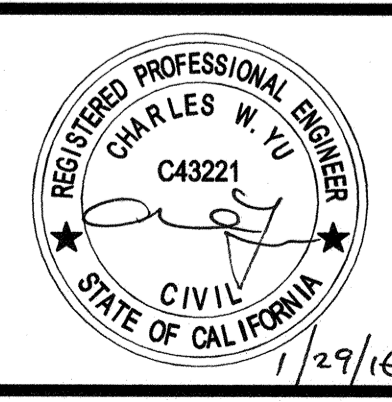


NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
THIS DRAWING WAS LAST MODIFIED: 01/28/16 11:09, BY: eaquino2				

REFERENCE INFORMATION  
& FILE NO. OF SURVEYS  
64,870



**INFRASTRUCTURE DIVISION**  
DEPARTMENT OF PUBLIC WORKS  
CITY AND COUNTY OF SAN FRANCISCO



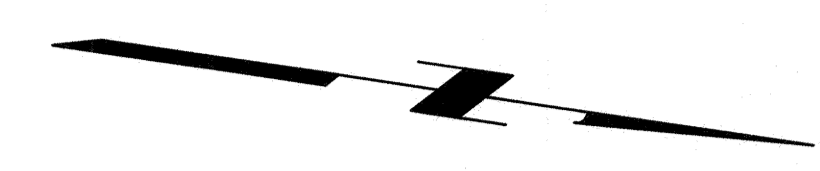
DESIGNED: DATE:	APPROVED:
E.AQUINO 1/16	<i>Neeraj K. Chellam</i> 7/16
DRAWN: DATE:	SECTION MANAGER DATE:
E.AQUINO 1/16	<i>Paul J. Davis</i> 2/3/16
CHECKED: DATE:	DEPUTY DIVISION MANAGER DATE:
C.YU 1/16	<i>Paul J. Davis</i> 2/3/16
	DIVISION MANAGER DATE:

SCALE:  
1" = 20'-0"  
SHEET OF SHEETS  
OF

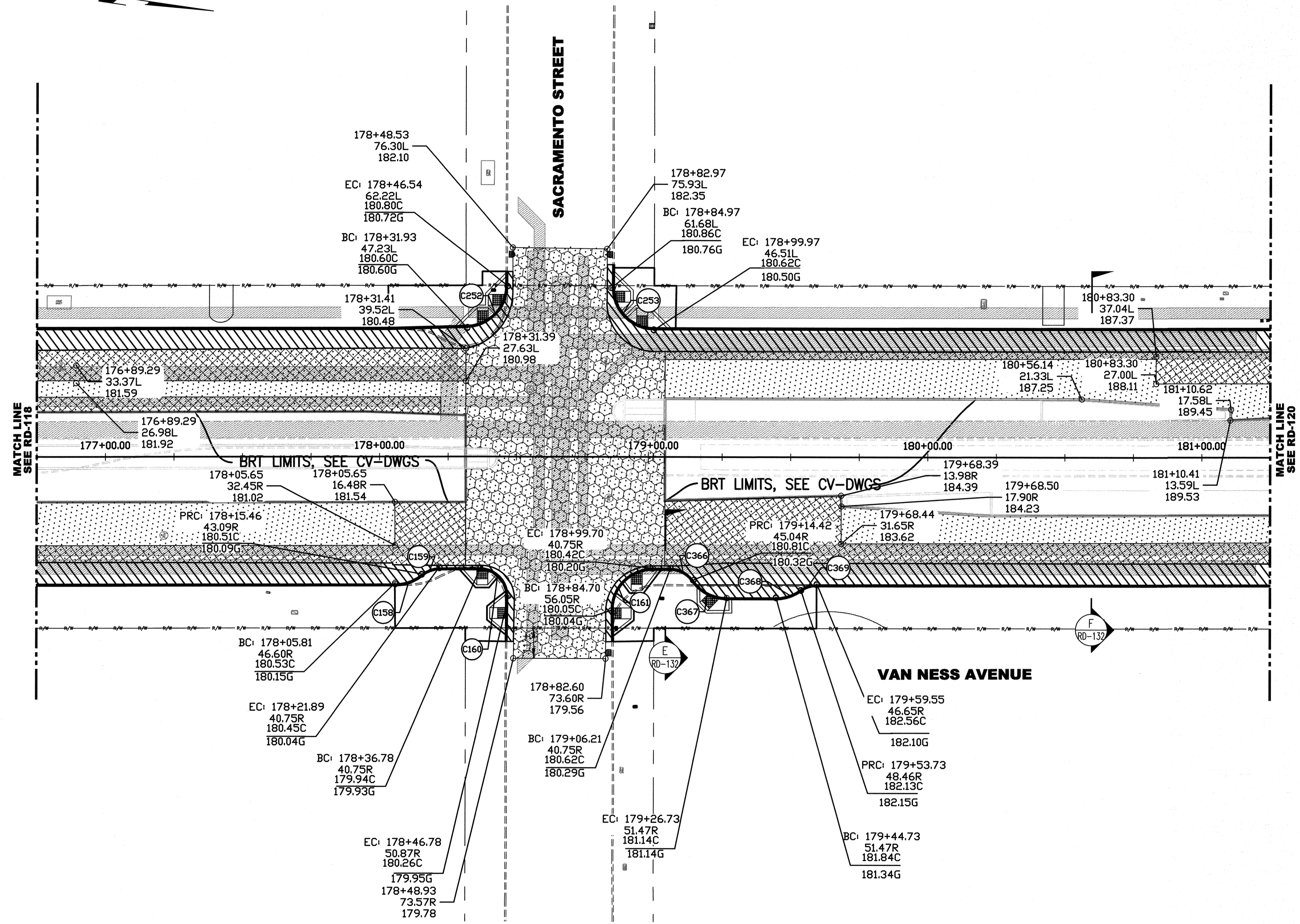
MUNI BUS RAPID TRANSIT SYSTEM  
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT  
ROADWAY WORK  
CTL 172+25 TO 176+75  
PAVEMENT PLAN & HORIZONTAL ALIGNMENT

CONTRACT NO.  
1289  
DRAWING NO.  
RD-118  
FILE NO.  
102401  
REV. NO.  
0

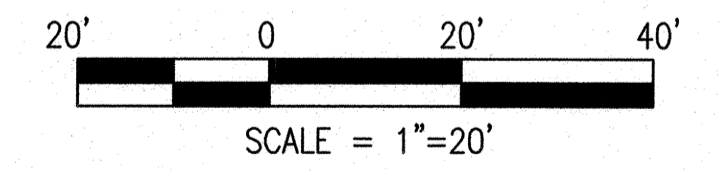
A B C D E F G H I J K L M N O P



Curve Table			
Curve #	Length	Radius	Delta
C158	10.480	15.000	040.0322
C159	6.986	10.000	040.0281
C160	15.826	10.000	090.6785
C161	23.858	15.000	091.1307
C252	23.167	15.000	088.4926
C253	23.735	15.000	090.6608
C366	9.630	10.003	055.1580
C367	14.440	15.000	055.1580
C368	9.653	15.011	036.8445
C369	6.233	8.310	042.9756



NOTE:  
FOR CURB RAMP AND BULB LAYOUTS,  
SEE SHEET CR-132

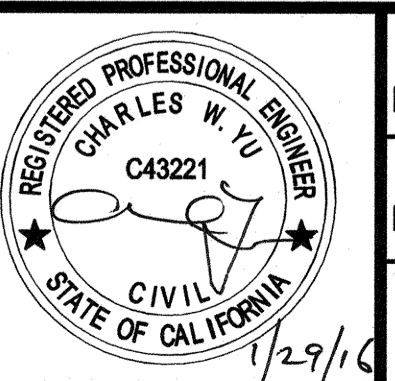


NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
THIS DRAWING WAS LAST MODIFIED: 01/28/16 11:09, BY: eqquino2				

REFERENCE INFORMATION  
& FILE NO. OF SURVEYS



**INFRASTRUCTURE DIVISION**  
DEPARTMENT OF PUBLIC WORKS  
CITY AND COUNTY OF SAN FRANCISCO



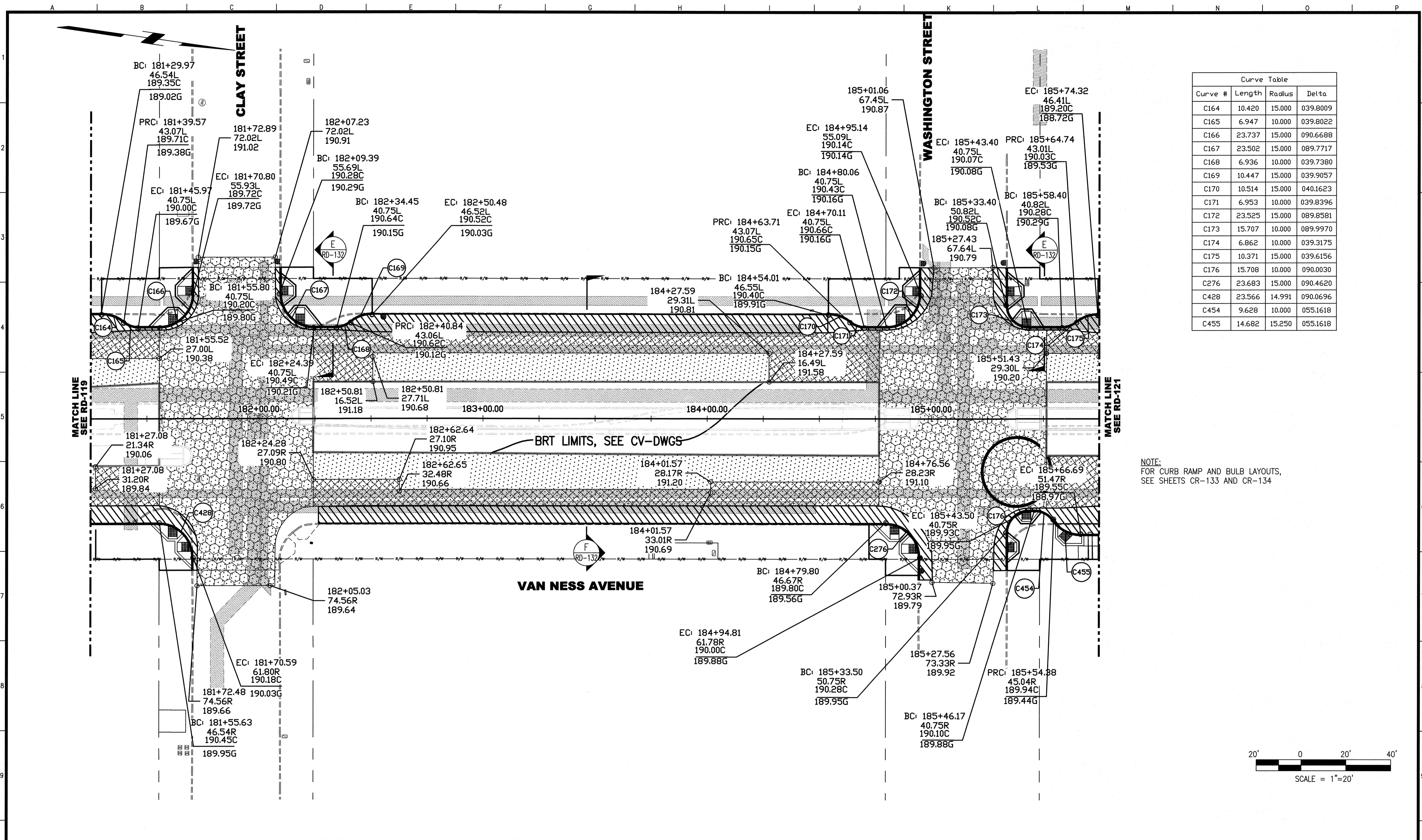
DESIGNED: DATE: 1/16  
DRAWN: DATE: 1/16  
CHECKED: DATE: 1/16  
C.YU

APPROVED  
SECTION MANAGER DATE: 2/3/16  
DEPUTY DIVISION MANAGER DATE: 2/3/16  
DIVISION MANAGER DATE: 2/3/16

SCALE: 1" = 20'-0"  
SHEET OF SHEETS OF

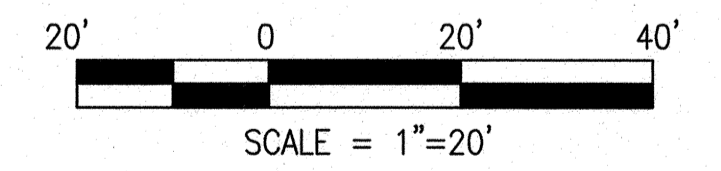
MUNI BUS RAPID TRANSIT SYSTEM  
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT  
ROADWAY WORK  
CTL 176+75 TO 181+25  
PAVEMENT PLAN & HORIZONTAL ALIGNMENT

CONTRACT NO. 1289  
DRAWING NO. RD-119  
FILE NO. 102402  
REV. NO. 0



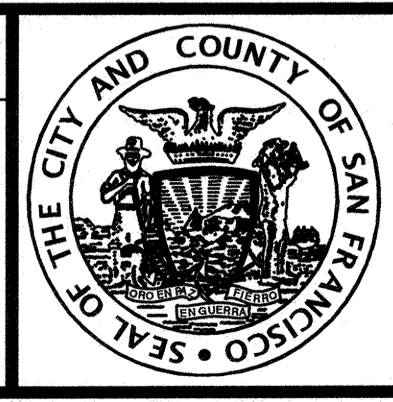
Curve Table			
Curve #	Length	Radius	Delta
C164	10.420	15.000	039.8009
C165	6.947	10.000	039.8022
C166	23.737	15.000	090.6688
C167	23.502	15.000	089.7717
C168	6.936	10.000	039.7380
C169	10.447	15.000	039.9057
C170	10.514	15.000	040.1623
C171	6.953	10.000	039.8396
C172	23.525	15.000	089.8581
C173	15.707	10.000	089.9970
C174	6.862	10.000	039.3175
C175	10.371	15.000	039.6156
C176	15.708	10.000	090.0030
C276	23.683	15.000	090.4620
C428	23.566	14.991	090.0696
C454	9.628	10.000	055.1618
C455	14.682	15.250	055.1618

NOTE:  
FOR CURB RAMP AND BULB LAYOUTS,  
SEE SHEETS CR-133 AND CR-134

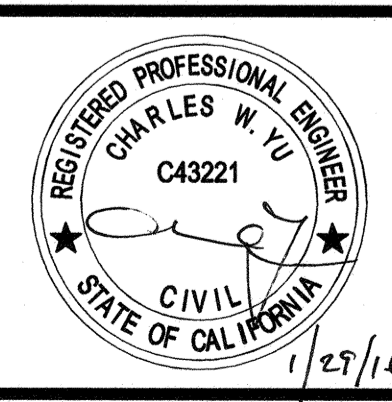


NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
THIS DRAWING WAS LAST MODIFIED: 01/28/16 11:09, BY: eaquino2				

REFERENCE INFORMATION  
& FILE NO. OF SURVEYS  
A-24481.1



**INFRASTRUCTURE DIVISION**  
DEPARTMENT OF PUBLIC WORKS  
CITY AND COUNTY OF SAN FRANCISCO



DESIGNED: DATE: APPROVED  
E.AQUINO 1/16  
DRAWN: DATE: SECTION MANAGER  
E.AQUINO 1/16  
CHECKED: DATE: DEPUTY DIVISION MANAGER  
C.YU 1/16

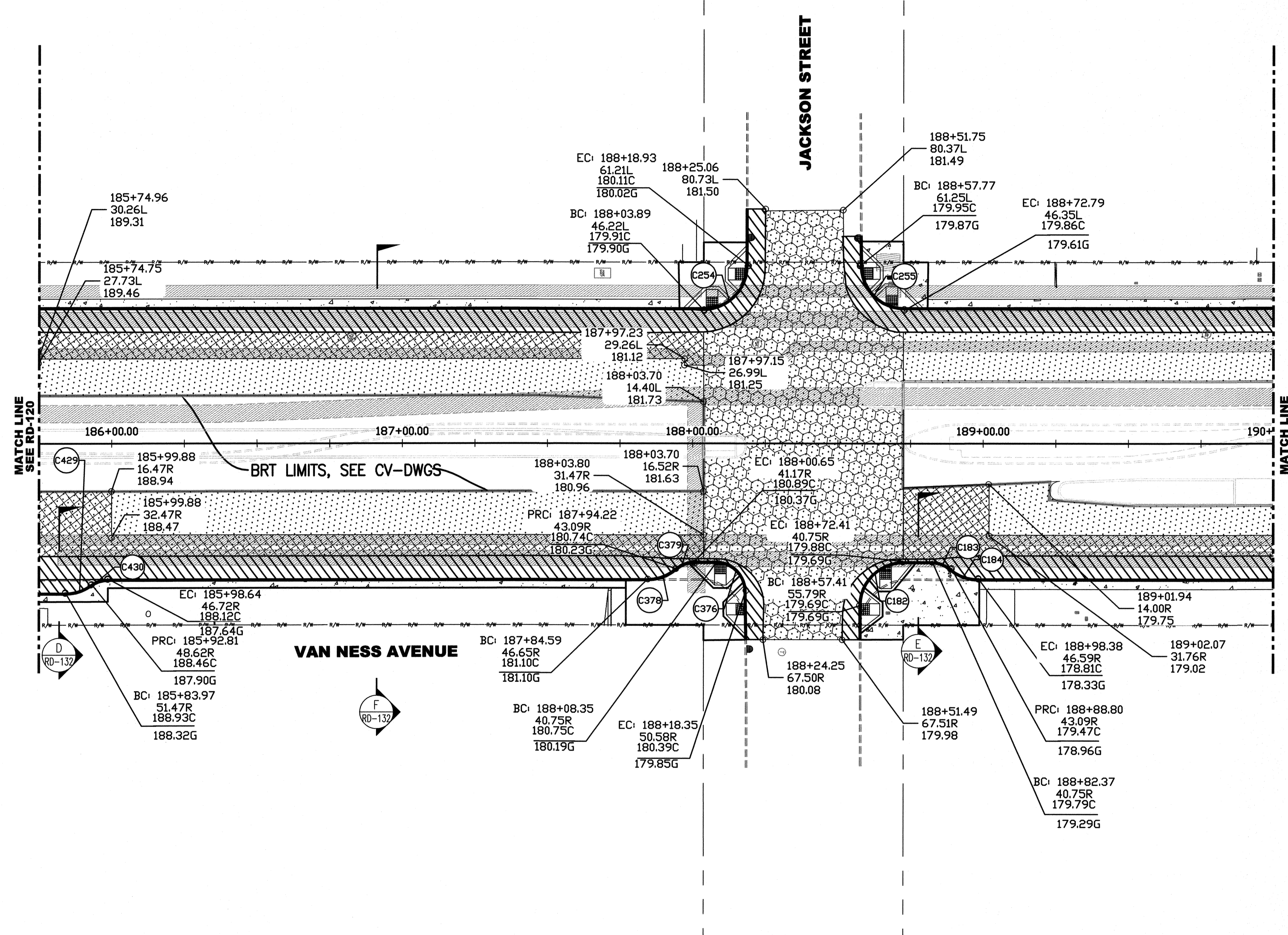
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SHEET OF SHEETS  
OF

CONTRACT NO. 1289  
DRAWING NO. RD-120  
FILE NO. 102403  
REV. NO. 0

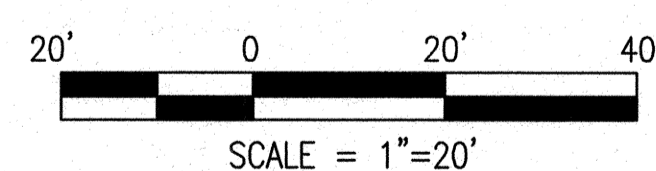
**MUNI BUS RAPID TRANSIT SYSTEM**  
**VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT**

**ROADWAY WORK**  
CTL 181+25 TO 185+75  
**PAVEMENT PLAN & HORIZONTAL ALIGNMENT**

Curve Table			
Curve #	Length	Radius	Delta
C182	23.602	15.000	090.1517
C183	6.980	10.000	039.9913
C184	10.462	15.000	039.9626
C254	23.599	15.000	090.1423
C255	23.467	15.000	089.6386
C376	15.538	10.000	089.0279
C378	10.450	15.321	039.0773
C379	6.940	10.011	039.7226
C429	9.392	15.000	035.8738
C430	6.264	10.752	033.3781

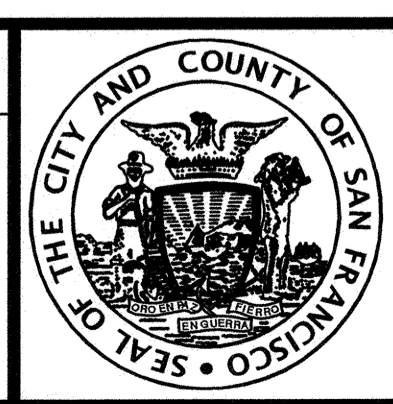


NOTE:  
FOR CURB RAMP AND BULB LAYOUTS,  
SEE SHEETS CR-134 AND CR-135

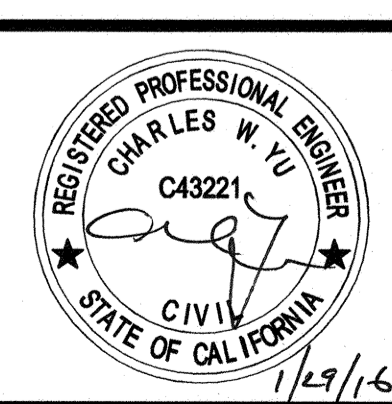


NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
THIS DRAWING WAS LAST MODIFIED: 01/28/16 11:09, BY: eaquino2				

REFERENCE INFORMATION  
& FILE NO. OF SURVEYS  
27,111  
74,372



**INFRASTRUCTURE DIVISION**  
DEPARTMENT OF PUBLIC WORKS  
CITY AND COUNTY OF SAN FRANCISCO



DESIGNED: DATE: 1/16  
E.AQUINO  
DRAWN: DATE: 1/16  
E.AQUINO  
CHECKED: DATE: 1/16  
C.YU

APPROVED  
SECTION MANAGER: [Signature] DATE: 2/3/16  
DEPUTY DIVISION MANAGER: [Signature] DATE: 2/3/16  
DIVISION MANAGER: [Signature] DATE: 2/3/16

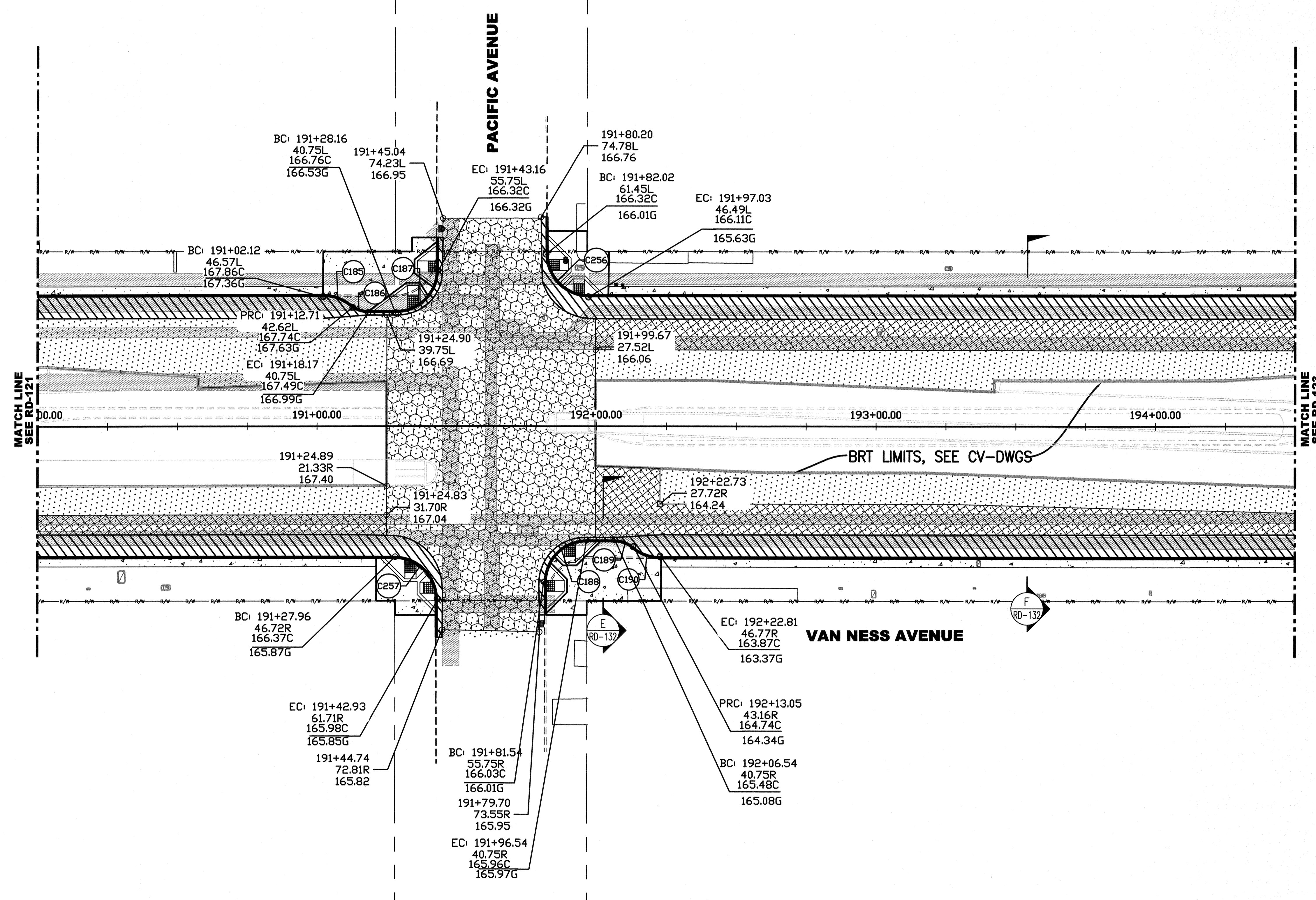
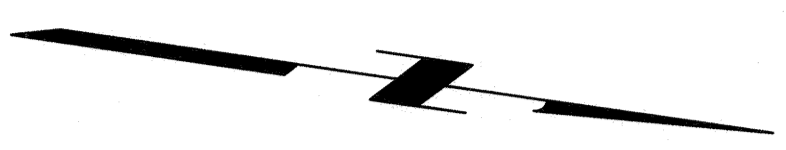
SCALE:  
1" = 20'-0"  
SHEET OF SHEETS  
OF

MUNI BUS RAPID TRANSIT SYSTEM  
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT

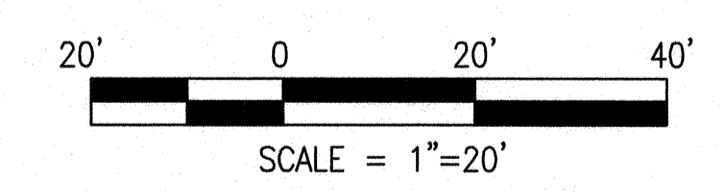
ROADWAY WORK  
CTL 185+75 TO 190+00  
PAVEMENT PLAN & HORIZONTAL ALIGNMENT

CONTRACT NO. 1289  
DRAWING NO. RD-121  
FILE NO. 102404  
REV. NO. 0

Curve Table			
Curve #	Length	Radius	Delta
C185	10.457	15.000	039.9430
C186	6.963	10.000	039.8961
C187	23.563	15.000	090.0030
C188	23.563	15.000	090.0030
C189	7.091	10.000	040.6285
C190	10.631	15.000	040.6085
C256	23.528	15.000	089.8691
C257	23.525	15.000	089.8587

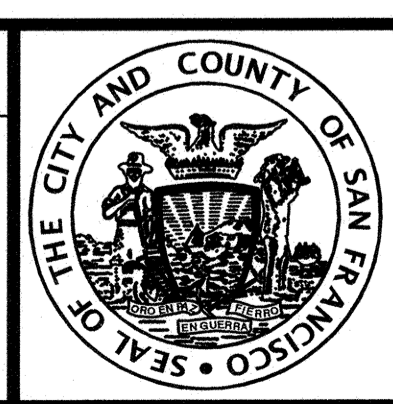


NOTE:  
FOR CURB RAMP AND BULB LAYOUTS,  
SEE SHEET CR-136

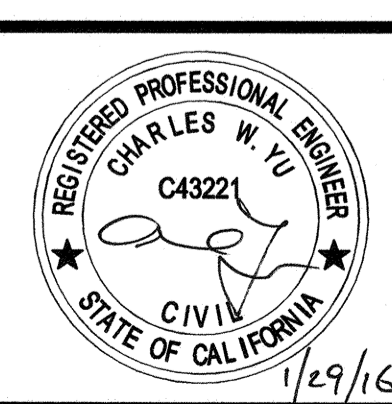


NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
THIS DRAWING WAS LAST MODIFIED: 01/28/16 11:09, BY: eaquino2				

REFERENCE INFORMATION  
& FILE NO. OF SURVEYS



**INFRASTRUCTURE DIVISION**  
DEPARTMENT OF PUBLIC WORKS  
CITY AND COUNTY OF SAN FRANCISCO



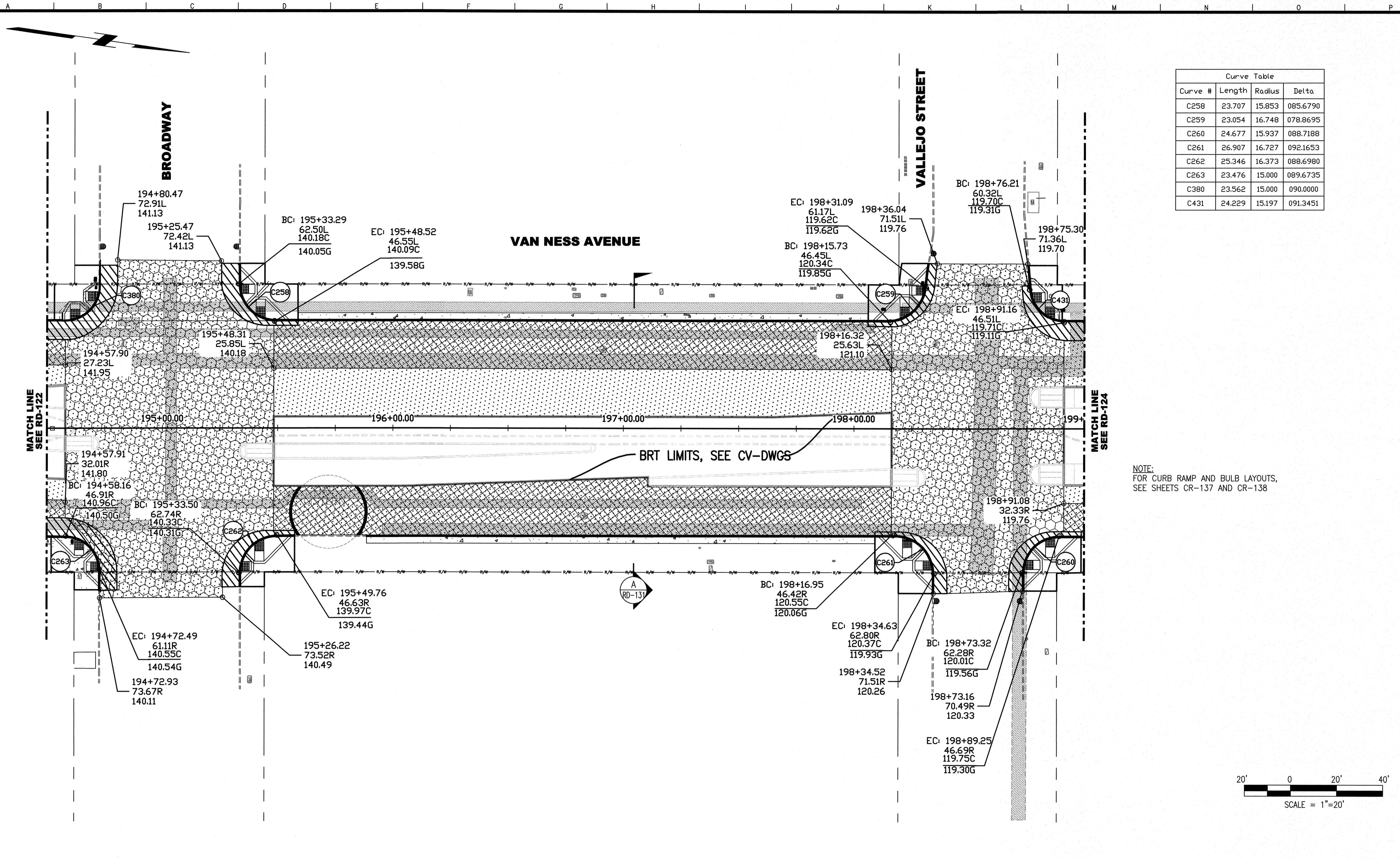
DESIGNED: DATE: 1/16  
E.AQUINO  
DRAWN: DATE: 1/16  
E.AQUINO  
CHECKED: DATE: 1/16  
C.YU

APPROVED  
SECTION MANAGER DATE: 2/3/16  
DEPUTY DIVISION MANAGER DATE: 2/3/16  
DIVISION MANAGER DATE: 2/3/16

SCALE:  
1" = 20'-0"  
SHEET OF SHEETS  
OF

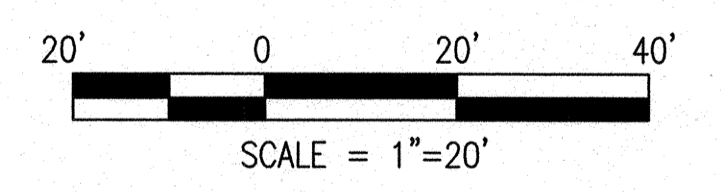
MUNI BUS RAPID TRANSIT SYSTEM  
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT  
ROADWAY WORK  
CTL 190+00 TO 194+50  
PAVEMENT PLAN & HORIZONTAL ALIGNMENT

CONTRACT NO. 1289  
DRAWING NO. RD-122  
FILE NO. 102405  
REV. NO. 0



Curve Table			
Curve #	Length	Radius	Delta
C258	23.707	15.853	085.6790
C259	23.054	16.748	078.8695
C260	24.677	15.937	088.7188
C261	26.907	16.727	092.1653
C262	25.346	16.373	088.6980
C263	23.476	15.000	089.6735
C380	23.562	15.000	090.0000
C431	24.229	15.197	091.3451

NOTE:  
FOR CURB RAMP AND BULB LAYOUTS,  
SEE SHEETS CR-137 AND CR-138

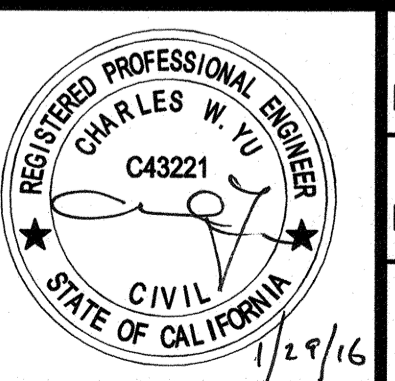


NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
THIS DRAWING WAS LAST MODIFIED: 01/28/16 11:09, BY: eaquino2				

REFERENCE INFORMATION & FILE NO. OF SURVEYS	
70,261	
70,712	
88,004	



**INFRASTRUCTURE DIVISION**  
DEPARTMENT OF PUBLIC WORKS  
CITY AND COUNTY OF SAN FRANCISCO



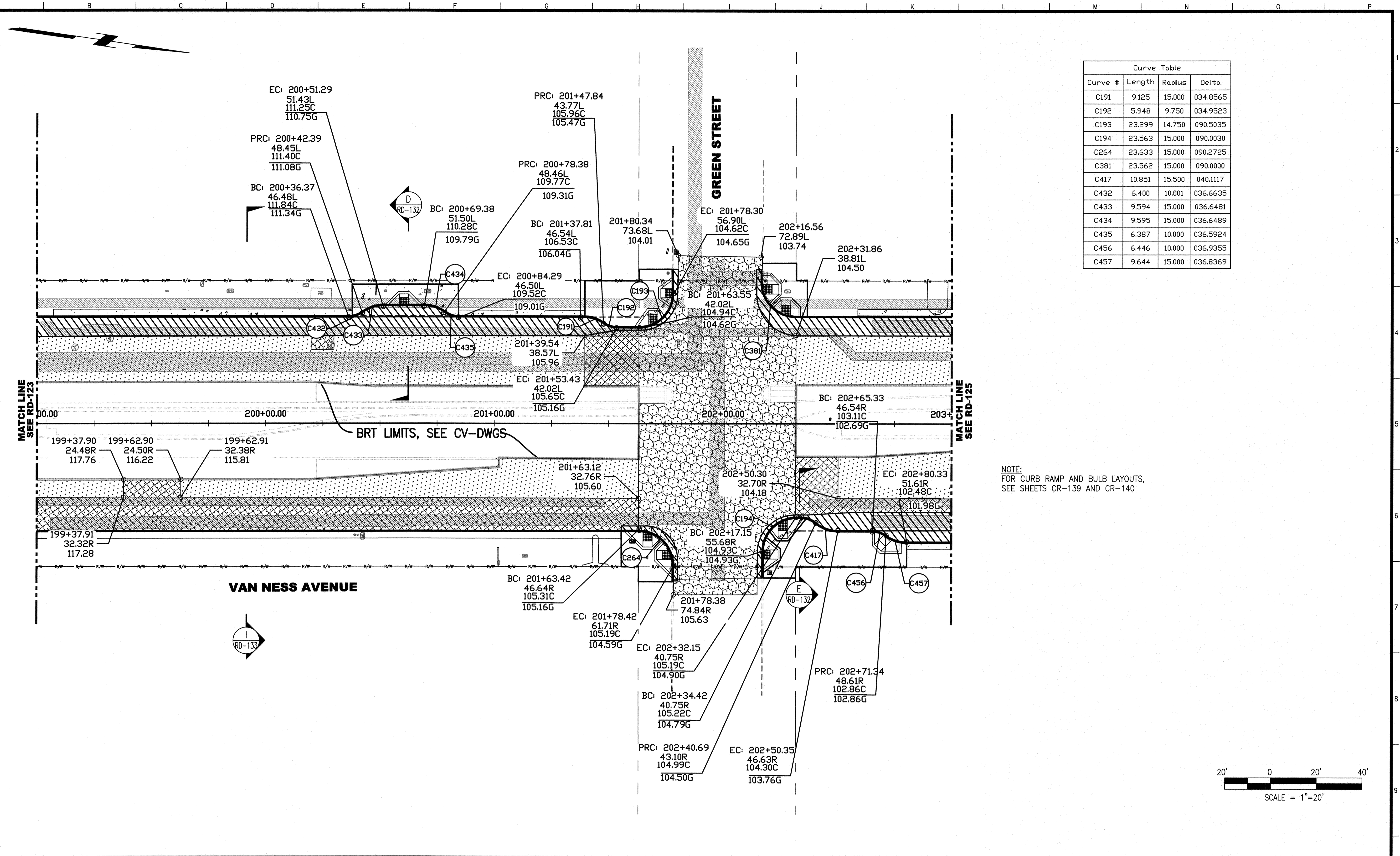
DESIGNED:	DATE:	APPROVED:	DATE:
E.AQUINO	1/16	<i>Manuel Colon</i>	2/9/16
DRAWN:	DATE:	SECTION MANAGER:	DATE:
E.AQUINO	1/16	<i>Rob F. Lim</i>	2/3/16
CHECKED:	DATE:	DEPUTY DIVISION MANAGER:	DATE:
C.YU	1/16	<i>Paul White</i>	2/3/16
		DIVISION MANAGER:	DATE:

SCALE:	SHEET OF SHEETS
1" = 20'-0"	OF

MUNI BUS RAPID TRANSIT SYSTEM  
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT  
ROADWAY WORK  
CTL 194+50 TO 199+00  
PAVEMENT PLAN & HORIZONTAL ALIGNMENT

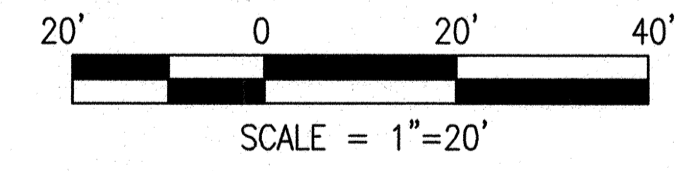
CONTRACT NO.	DRAWING NO.	FILE NO.	REV. NO.
1289	RD-123	102406	0





Curve Table			
Curve #	Length	Radius	Delta
C191	9.125	15,000	034.8565
C192	5.948	9,750	034.9523
C193	23.299	14,750	090.5035
C194	23.563	15,000	090.0030
C264	23.633	15,000	090.2725
C381	23.562	15,000	090.0000
C417	10.851	15,500	040.1117
C432	6.400	10,001	036.6635
C433	9.594	15,000	036.6481
C434	9.595	15,000	036.6489
C435	6.387	10,000	036.5924
C456	6.446	10,000	036.9355
C457	9.644	15,000	036.8369

NOTE:  
FOR CURB RAMP AND BULB LAYOUTS,  
SEE SHEETS CR-139 AND CR-140

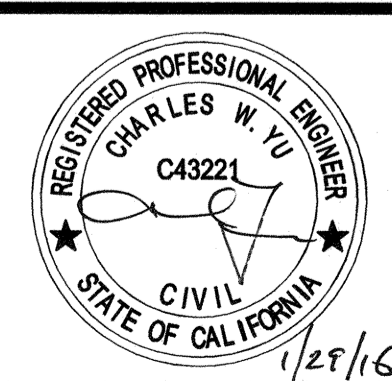


NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
THIS DRAWING WAS LAST MODIFIED: 01/28/16 11:09, BY: eqquino2				

REFERENCE INFORMATION  
& FILE NO. OF SURVEYS  
43,783  
70,261



**INFRASTRUCTURE DIVISION**  
DEPARTMENT OF PUBLIC WORKS  
CITY AND COUNTY OF SAN FRANCISCO



DESIGNED: DATE: APPROVED  
E.AQUINO 1/16  
DRAWN: DATE: SECTION MANAGER DATE:  
E.AQUINO 1/16  
CHECKED: DATE: DEPUTY DIVISION MANAGER DATE:  
C.YU 1/16

SCALE: 1" = 20'-0"  
SHEET OF SHEETS OF

MUNI BUS RAPID TRANSIT SYSTEM  
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT  
ROADWAY WORK  
CTL 199+00 TO 203+00  
PAVEMENT PLAN & HORIZONTAL ALIGNMENT

CONTRACT NO. 1289  
DRAWING NO. RD-124  
FILE NO. 102407  
REV. NO. 0