

LEGEND

SIZE & TYPE	EXISTING SEWER OR CULVERT
	EXISTING MH
	EXISTING CB, SWI
	EXISTING SIDE SEWER AND FRESH AIR INLET
	EXISTING AWSS
	EXISTING WATER MAIN
SIZE & TYPE	NEW SEWER OR CULVERT
	NEW MH PER SFPDW STD PLAN 87,181
	REPLACE (E) MH PER SFPDW STD PLAN 87,181
	ABANDON (E) MH
	NEW MH PER SFPDW STD PLAN 87,182
	REPLACE (E) MH PER SFPDW STD PLAN 87,182
	NEW MH PER SFPDW STD PLAN 87185 AND 87197
	REPLACE (E) MH PER SFPDW STD PLAN 87185 AND 87197
	NEW MH PER SFPDW STD PLAN 87182 AND 87184
	REPLACE (E) MH PER SFPDW STD PLAN 87182 AND 87184
	NEW ANGLE MH PER SFPDW STD PLAN 87,182
	REPLACE (E) MH W/ ANGLE MH PER SFPDW STD PLAN 87,182
	NEW MH PER SFPDW STD PLAN 87,183
	EXISTING MH
	NEW MH
	REPLACE EXISTING MH
	ABANDON EXISTING MH
	REMOVE EXISTING MH
	EXISTING SURVEY MONUMENT
	NEW CB PER SFPDW STD PLAN 87,188
	REPLACE (E) CB PER SFPDW STD PLAN 87,188
	PLUG & FILL EXISTING CB
	NEW SS PER SFPDW STD PLAN 87,196
	(E) BUILDING SEWER
	NEW 6" OR 8" SS CONNECTION TO MAIN SEWER
	PLUG EXISTING FACILITIES
	PLUG AND FILL EXISTING FACILITIES
	APPROXIMATE LOCATION OF CUT-OFF WALL
	APPROXIMATE PAVEMENT SURFACE
	DIRECTION OF FLOW
	SLURRY GROUT SHOWN IN SECTION OR PROFILE
	TRENCH DRAIN SYSTEM

ABBREVIATIONS

±	PLUS OR MINUS
ACWS	ASPHALT CONCRETE WEARING SURFACE
APPROX	APPROXIMATE
ATG	ADJUST TO GRADE
AVE	AVENUE
AWSS	AUXILIARY WATER SUPPLY SYSTEM
B&S	BELL AND SPIGOT
BLVD	BOULEVARD
BRK	BRICK
CB	CATCHBASIN
CF	CUBIC FEET
CH	CHANGE
CI	CAST IRON
CONC	CONCRETE
C-C	CENTER TO CENTER
CY	CUBIC YARD
DET	DETAIL
DIA OR Ø	DIAMETER
DIP	DUCTILE IRON PIPE
DWG	DRAWING
E	EAST
(E)	EXISTING
EF	EACH FACE
EMBED	EMBEDMENT
EL	ELEVATION
ENGR	ENGINEER
EQ	EQUAL
HDPE	HIGH DENSITY POLYETHYLENE PIPE
FGP	FIBERGLASS PIPE
GI	GREEN INFRASTRUCTURE
HORIZ	HORIZONTAL
HWY	HIGHWAY
ID	INSIDE DIAMETER
INV	INVERT
ISP	IRON STONE PIPE
LF	LINEAR FEET
MAX	MAXIMUM
MH	MANHOLE
MIN	MINIMUM
N	NORTH
(N)	NEW
NIC	NOT IN CONTRACT
NO.	NUMBER
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
PL	PROPERTY LINE
RC	REINFORCED CONCRETE
RCP	REINFORCED CONCRETE PIPE
ROW	RIGHT OF WAY
S	SOUTH
SF	SQUARE FEET
S.F.	SAN FRANCISCO
SFPDW	SAN FRANCISCO DEPARTMENT OF PUBLIC WORKS
SL	SLOPE
SPECS	SPECIFICATIONS
SS	SIDE SEWER
ST	STREET
STD	STANDARD
SWI	STORM WATER INLET
THRU	THROUGH
(TYP)	TYPICAL
VERT	VERTICAL
VCP	VITRIFIED CLAY PIPE
W	WEST
W/	WITH
W/O	WITHOUT

GENERAL NOTES

- NUMBER AND LOCATIONS OF SIDE SEWER CONNECTIONS ARE APPROXIMATE. CONTRACTOR SHALL VERIFY SIDE SEWER CONNECTIONS IN THE FIELD.
- ALL GROUND SURFACE ELEVATIONS AND INVERT ELEVATIONS TO BE CONFORMED ARE APPROXIMATE.
- ELEVATIONS ARE IN REFERENCE TO S.F. CITY DATUM.
- IN ACCORDANCE WITH THE PROVISIONS OF THE CALIFORNIA PUBLIC CONTRACT CODE SECTION 3300, A BID SUBMITTED TO A PUBLIC AGENCY BY A CONTRACTOR WHO IS NOT LICENSED IN ACCORDANCE WITH CHAPTER 9 OF THE BUSINESS AND PROFESSIONS CODE SHALL BE CONSIDERED NON-RESPONSIVE AND SHALL BE REJECTED BY THE PUBLIC AGENCY.
- AT THE TIME THIS CONTRACT IS BID, THE CONTRACTOR SHALL POSSESS A STATE OF CALIFORNIA CLASS "A" GENERAL ENGINEERING CONTRACTOR'S LICENSE.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN EXCAVATION PERMIT FROM SFPDW-STREET CONSTRUCTION COORDINATION CENTER LOCATED AT 1155 MARKET STREET, 3RD FLOOR.
- MAXIMUM TRENCH WIDTH SHALL BE THE LARGER OUTSIDE DIMENSION OF THE NEW OR EXISTING SEWER/STRUCTURE PLUS 1.5 FEET ON EACH SIDE.
- ALL NEW VCP AND RCP MAIN SEWERS SHALL BE CONSTRUCTED ON CRUSHED ROCK BEDDING PER DETAIL SHOWN BELOW UNLESS OTHERWISE NOTED.
- PIPE LENGTH SHOWN IN PROFILE INDICATES HORIZONTAL DISTANCE EXCLUDING INSIDE DIMENSION OF EACH SEWER MANHOLE/STRUCTURE.
- AFTER SEWER WORK HAS BEEN COMPLETED, THE CONTRACTOR SHALL CLEAN ALL CATCHBASINS SHOWN ON SW-DRAWINGS AND REPLACE CAST IRON WATER TRAP AS DIRECTED BY THE CITY REPRESENTATIVE.
- CONTRACTOR SHALL PROTECT ALL SURVEY MONUMENTS AND BENCHMARKS LOCATED WITHIN THE CONTRACT LIMIT. CITY MONUMENTS LOCATED WITHIN 10 FEET OF TRENCH MUST BE REFERENCED PRIOR TO ANY DEMOLITION, AND A CORNER RECORD MUST BE FILED WITH THE COUNTY SURVEYOR'S OFFICE BY CONTACTING BUREAU OF STREET-USE AND MAPPING AT (415)554-5829. THE MONUMENTS MUST BE REVISITED AFTER CONSTRUCTION HAS BEEN COMPLETED TO VERIFY THAT NO MOVEMENT HAS OCCURRED. IF MONUMENTS ARE NOT REFERENCED PRIOR TO CONSTRUCTION, THE CITY WILL CHARGE \$10,000 A PIECE TO THE CONTRACTOR FOR REESTABLISHING THE MONUMENT.
- PRIOR TO ABANDONING EXISTING SEWER FACILITIES, CONTRACTOR SHALL VERIFY THAT THERE ARE NO ACTIVE CONNECTIONS TO THESE FACILITIES. CONTRACTOR SHALL NOTIFY CITY REPRESENTATIVE IMMEDIATELY OF ANY DISCREPANCIES.
- RIM ELEVATIONS OF PROPOSED SEWER MANHOLES AND CATCHBASIN GRATINGS SHALL CONFORM TO FINISHED ROADWAY ELEVATIONS.
- SIDE SEWER SHALL BE CONNECTED TO THE MAIN AT OR ABOVE THE SPRING LINE UNLESS OTHERWISE DIRECTED BY THE CITY REPRESENTATIVE.
- PRIOR TO CONSTRUCTION WORK, CONTRACTOR SHALL NOTIFY MARK MIDDLETON OF THE S.F. PUBLIC UTILITIES COMMISSION AT (415) 262-2144 TO SCHEDULE REMOVAL OF FLOW METERS INSTALLED IN SEWER MANHOLES, IF ENCOUNTERED WITHIN THE WORK SCOPE LIMITS. SEE SPECIAL INSTRUCTIONS IN SPECIFICATION SECTION 01010.

CONTRACT NO. 1289

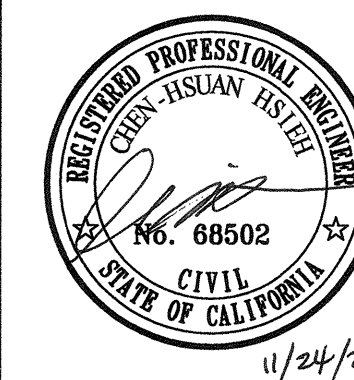
CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
ENGINEERING MANAGEMENT BUREAU

MUNI BUS RAPID TRANSIT SYSTEM
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT
VAN NESS AVENUE SEWER REPLACEMENT
LEGEND, ABBREVIATIONS AND
GENERAL NOTES

CITY AND COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
DESIGN & ENGINEERING

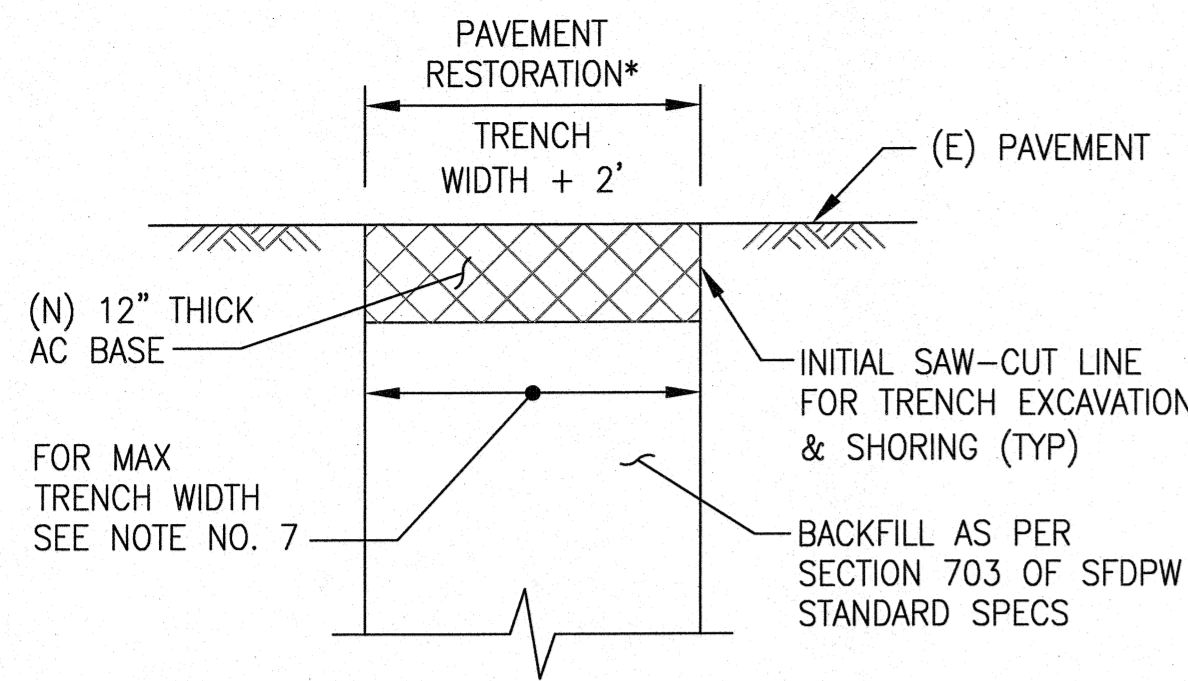
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SECURITY DIVISION MANAGER	DESIGNED
DIVISION MANAGER	CHECKED

NO.	DATE	DESCRIPTION	BY	APPR'D
REVISIONS				



ELEVATION
DATUM
CITY

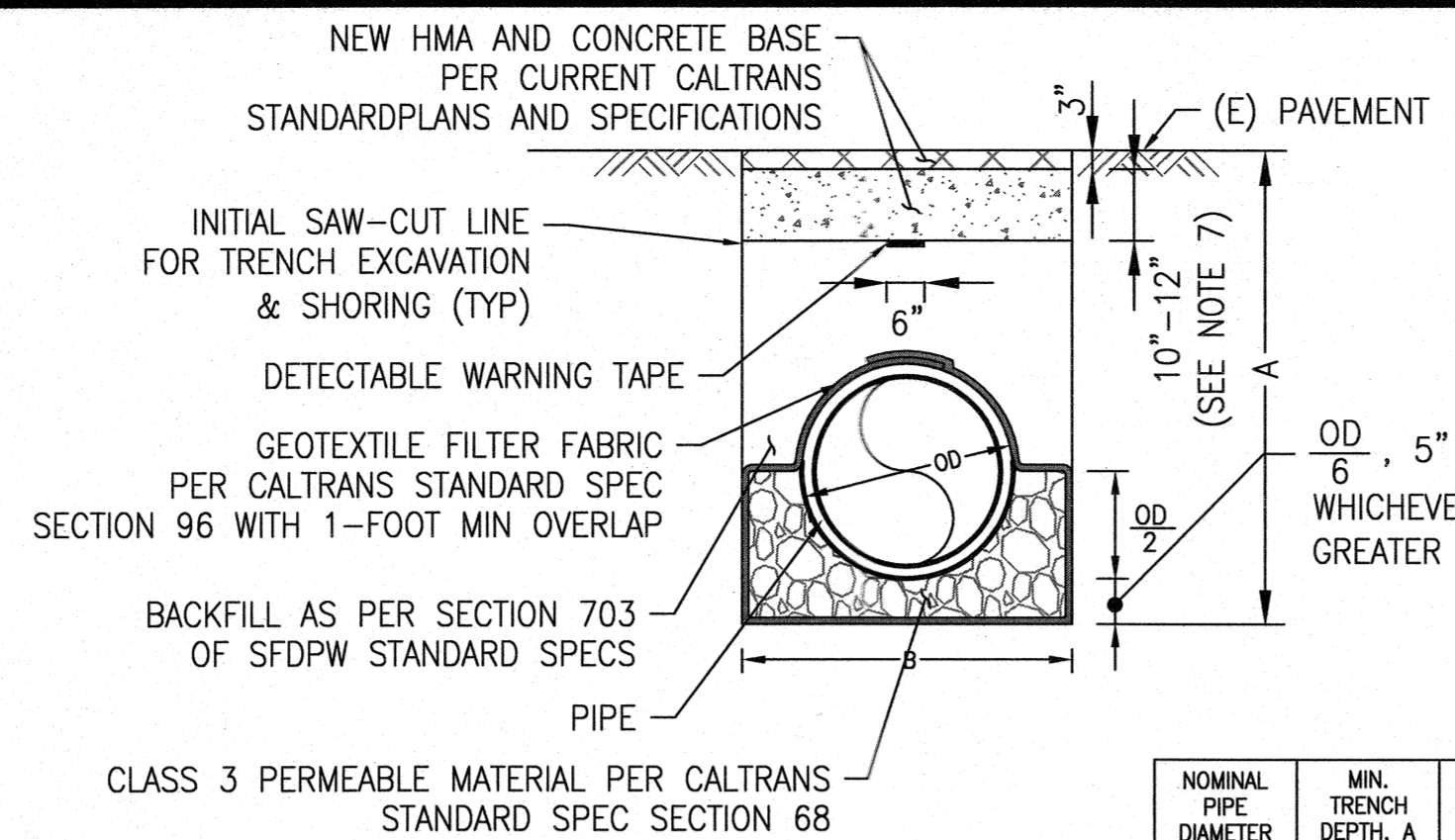
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DIVISION MANAGER	RECOMMENDED	DESIGNED	DATE
APPROVED	APPROVED		
MANAGER	PLAN NO.	DRAWING NO.	REVISION NO.
SHEET OF	102,712	SW-GO	0



NOTE:
FOR FINAL ACWS AND CONCRETE BASE SEE ROADWAY DRAWINGS.

**TEMPORARY TRENCH RESTORATION
DETAIL FOR ASPHALT STREET**

SCALE: NONE



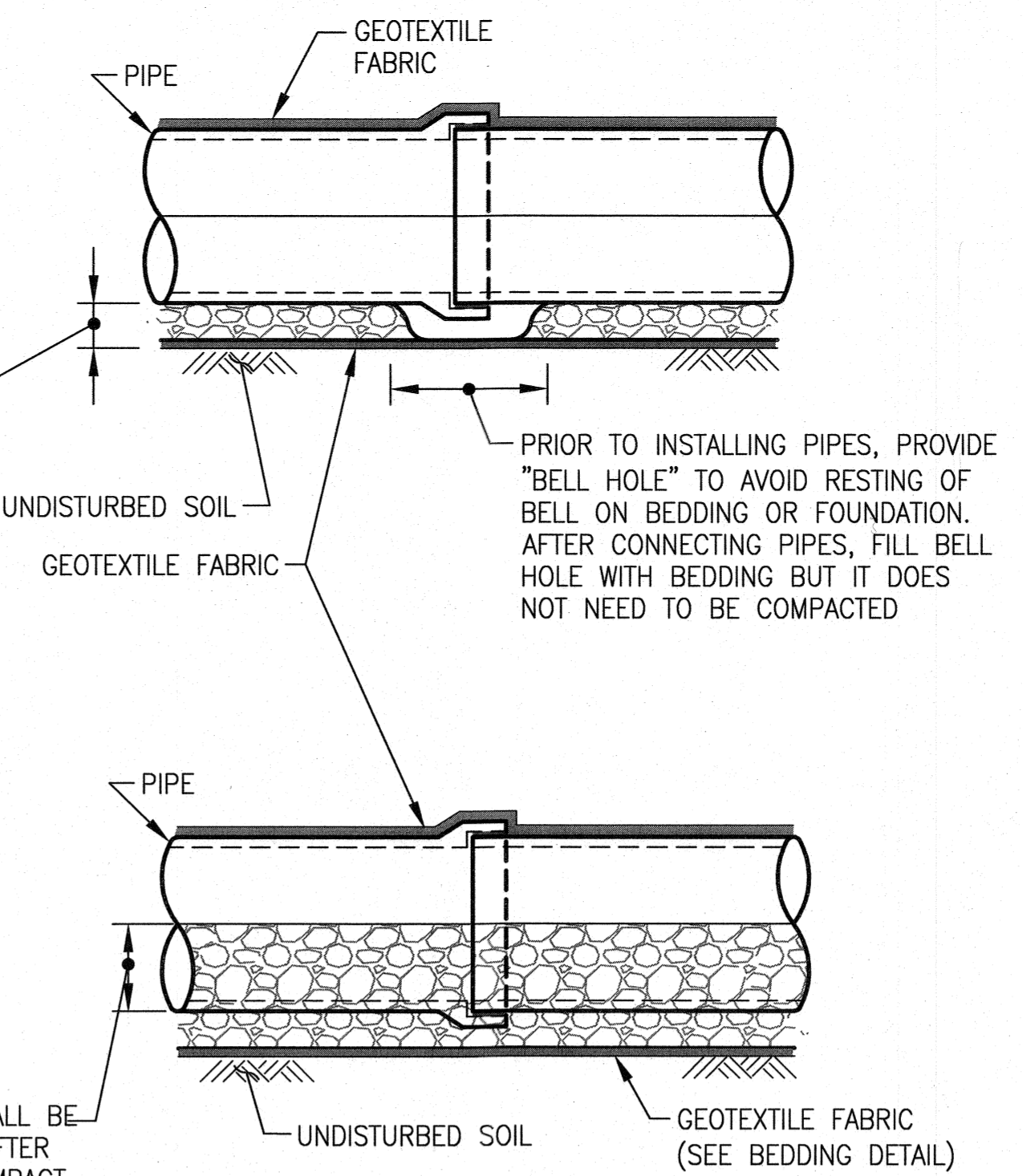
- NOTES:**
- MINIMUM TRENCH DEPTHS AND TRENCH WIDTHS MUST BE ADHERED TO UNLESS APPROVED OTHERWISE BY THE CITY REPRESENTATIVE.
 - OVEREXCAVATING FOR BEDDING IS NOT REQUIRED UNLESS:
A. BOTTOM OF TRENCH EXCAVATION IS IN BEDROCK, WHERE BEDDING SHALL BE 6" THICK.
B. REQUIRED BY THE CITY REPRESENTATIVE
 - TRENCH CONSTRUCTION SHALL CONFORM TO OSHA AND CAL OSHA.
 - DETAIL APPLIES TO SEWER PIPELINES WITH DEPTH TO TOP OF PIPE MORE THAN 42".
 - ENSURE PERMEABLE MATERIAL IS PLACED PROPERLY UNDER PIPE.
 - DETECTABLE WARNING TAPE SHALL BE 6" WIDE, 5 MIL THICKNESS GREEN METALLIC WARNING TAPE WITH WORDS "CAUTION: BURIED SEWER".
 - CONCRETE BASE SHALL BE 10" THICK EXCEPT AT INTERSECTIONS WHERE IT SHALL BE 12" THICK.

NOMINAL PIPE DIAMETER	MIN. TRENCH DEPTH, A	MIN. TRENCH WIDTH, B
12"	76"	39"
15"	77"	43"
18"	78"	47"
21"	79"	50"
24"	80"	54"
27"	81"	58"
36"	125"	68"
48"	111"	82"
54"	115"	89"

BEDDING IN THIS AREA SHALL BE PLACED IN TWO LAYERS. AFTER 1ST LAYER IS PLACED, COMPACT BEDDING IN HAUNCH AREA BY SHOVEL SLICE METHOD EXCEPT AT THE "BELL HOLE" AREA

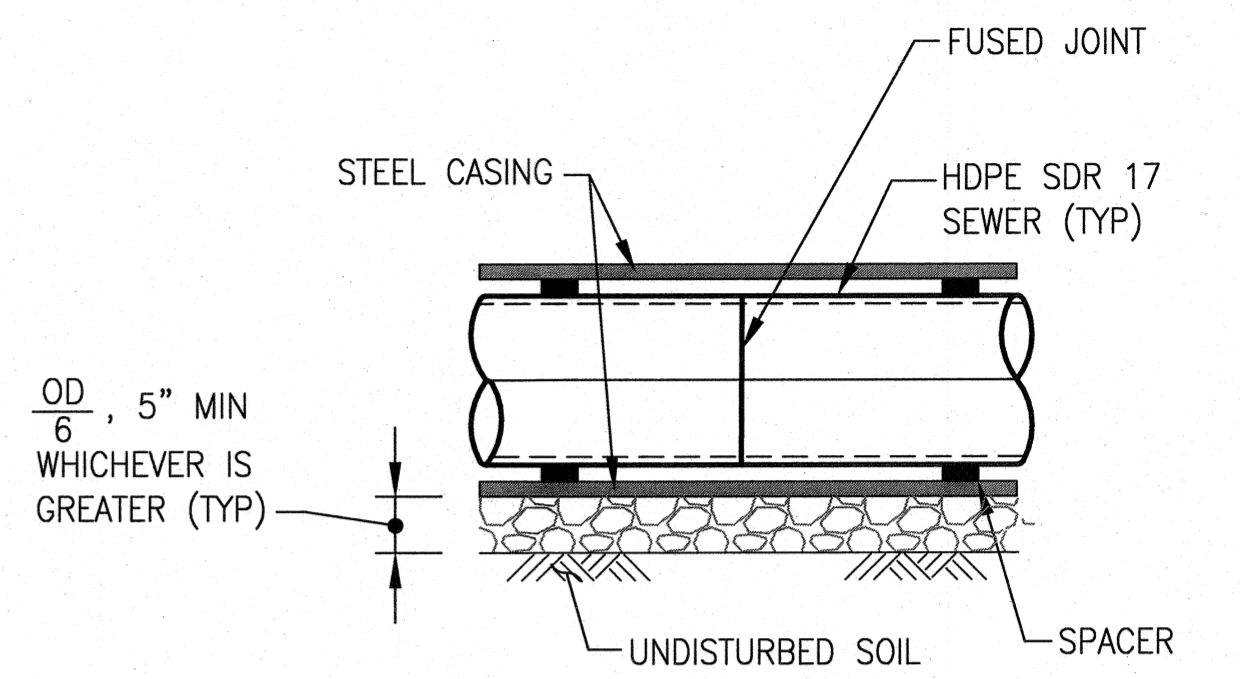
PIPE BEDDING DETAIL

SCALE: NONE



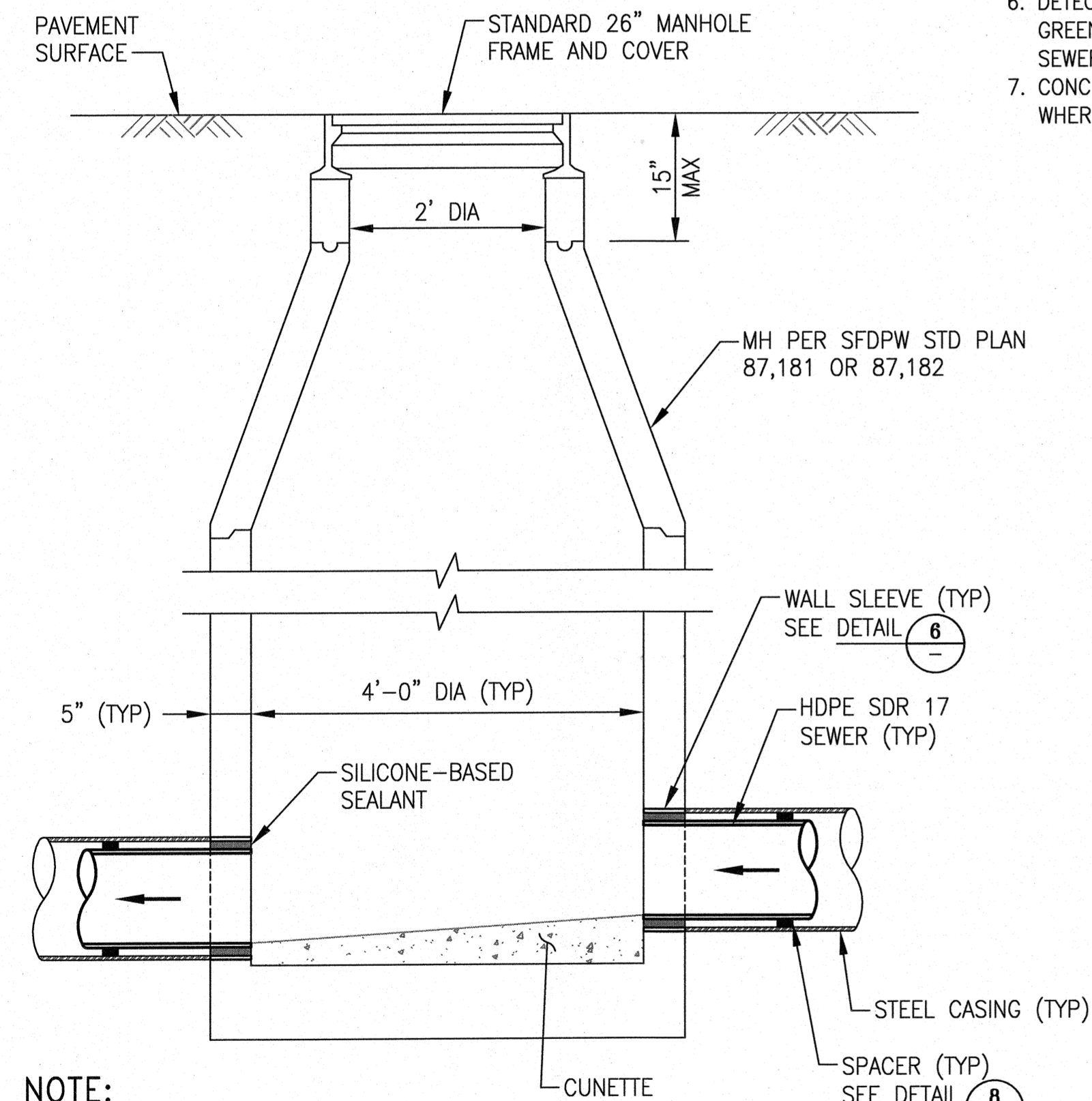
VCP AND RCP INSTALLATION

SCALE: NONE



HDPE PIPE WITH STEEL CASING INSTALLATION

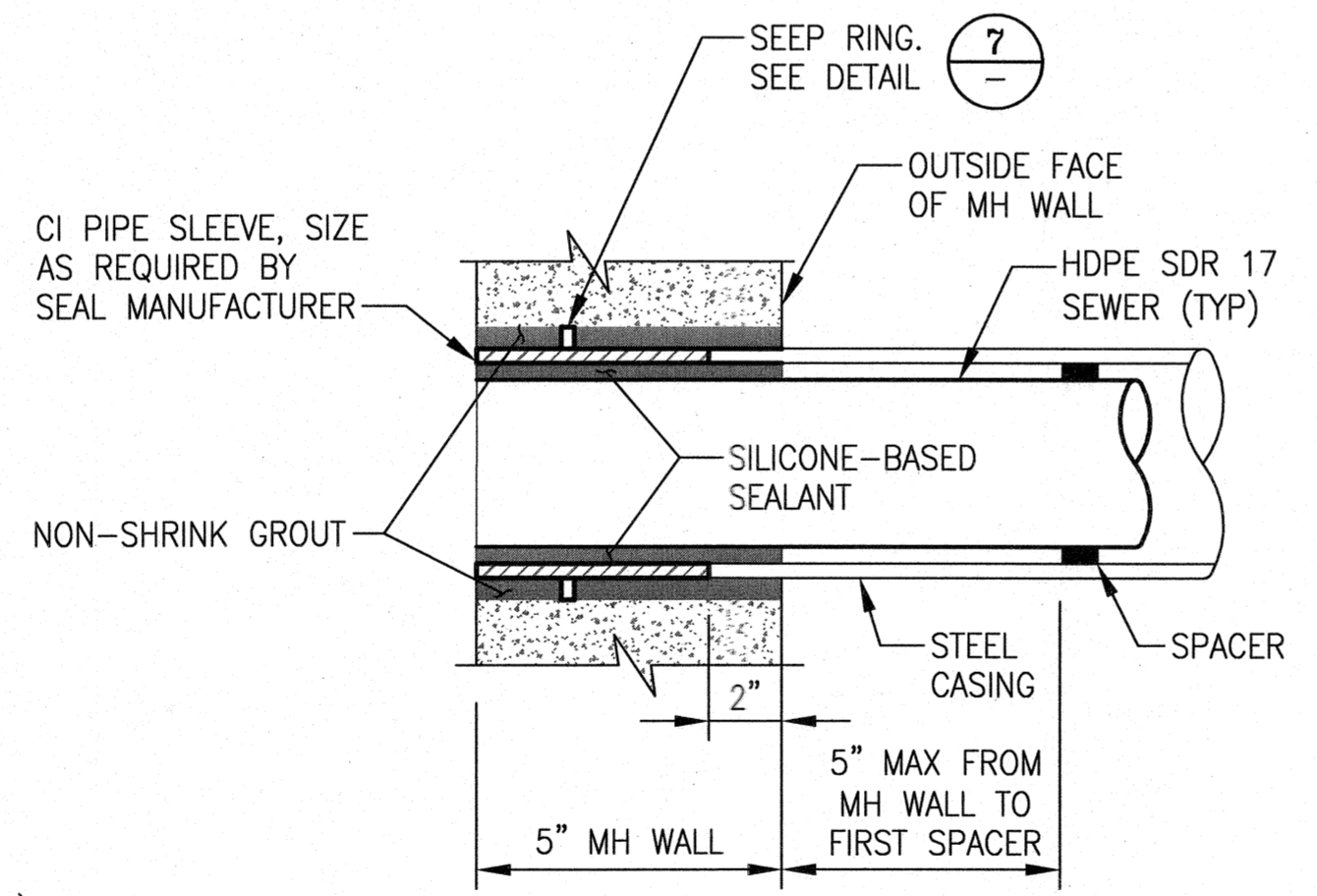
SCALE: NONE



NOTE:
FOR MH REINFORCEMENT AND CONFIGURATION DETAILS NOT SHOWN, SEE SFPDW STD PLAN 87,181.

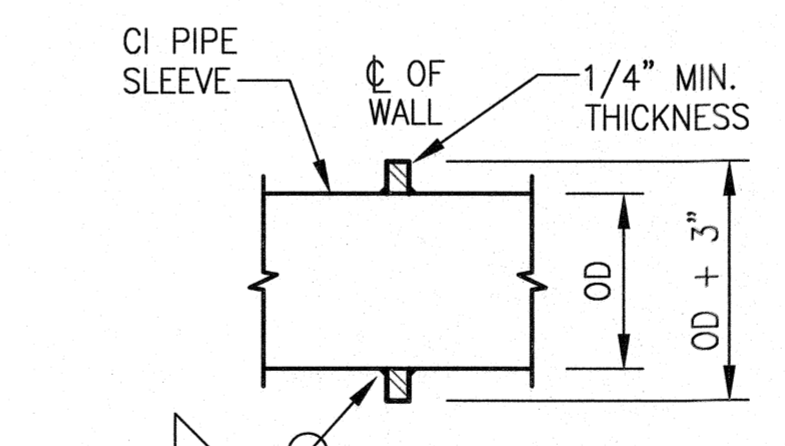
MANHOLE FOR HDPE PIPE W/ STEEL CASING

SCALE: NONE



WALL SLEEVE DETAIL

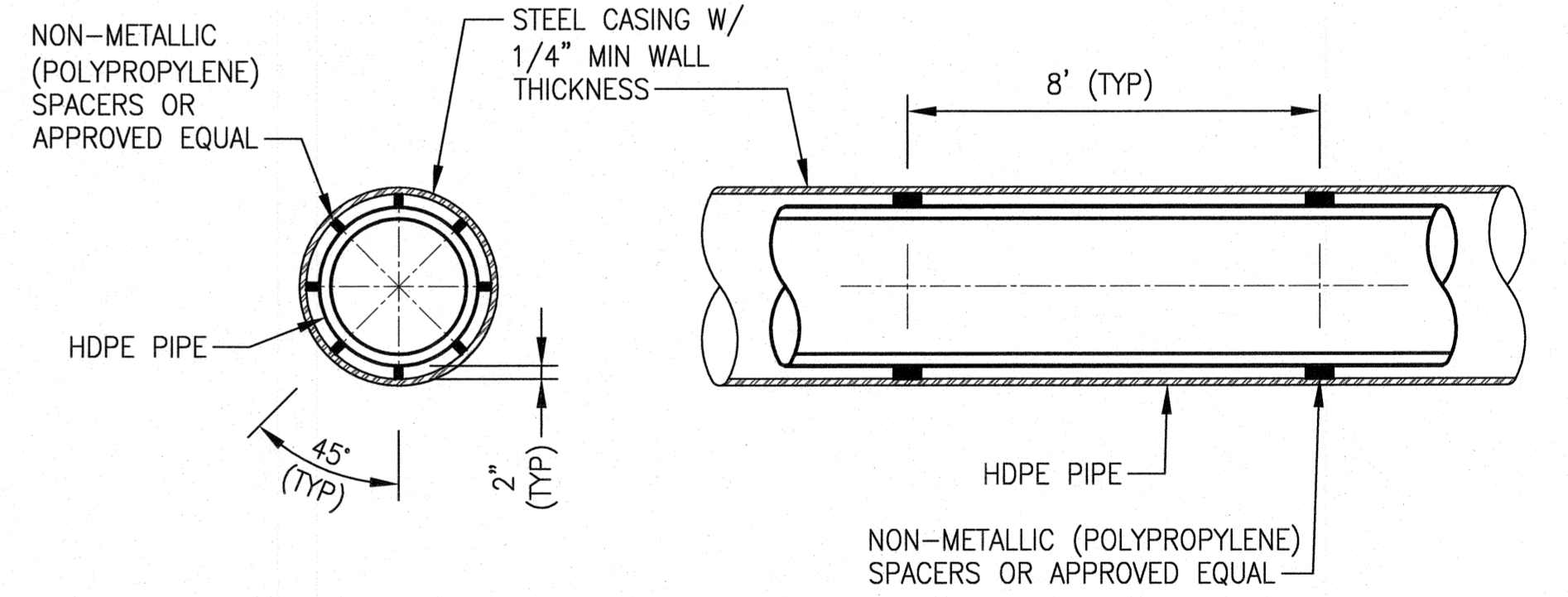
SCALE: NONE



- NOTES:**
- MATERIAL OF SEEP RING SHALL BE CI PIPE OR MATCH MATERIAL OF PIPE.
 - THE WELDING INDICATED IS FOR STEEL PIPE ONLY.

SEEP RING DETAIL

SCALE: NONE



CASING SPACER DETAIL

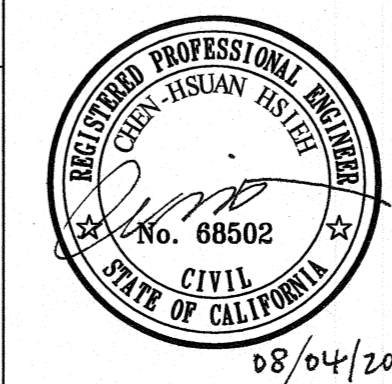
SCALE: NONE

CONTRACT NO. 1289

CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
ENGINEERING MANAGEMENT BUREAU

MUNI BUS RAPID TRANSIT SYSTEM
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT
VAN NESS AVENUE SEWER REPLACEMENT
DETAILS

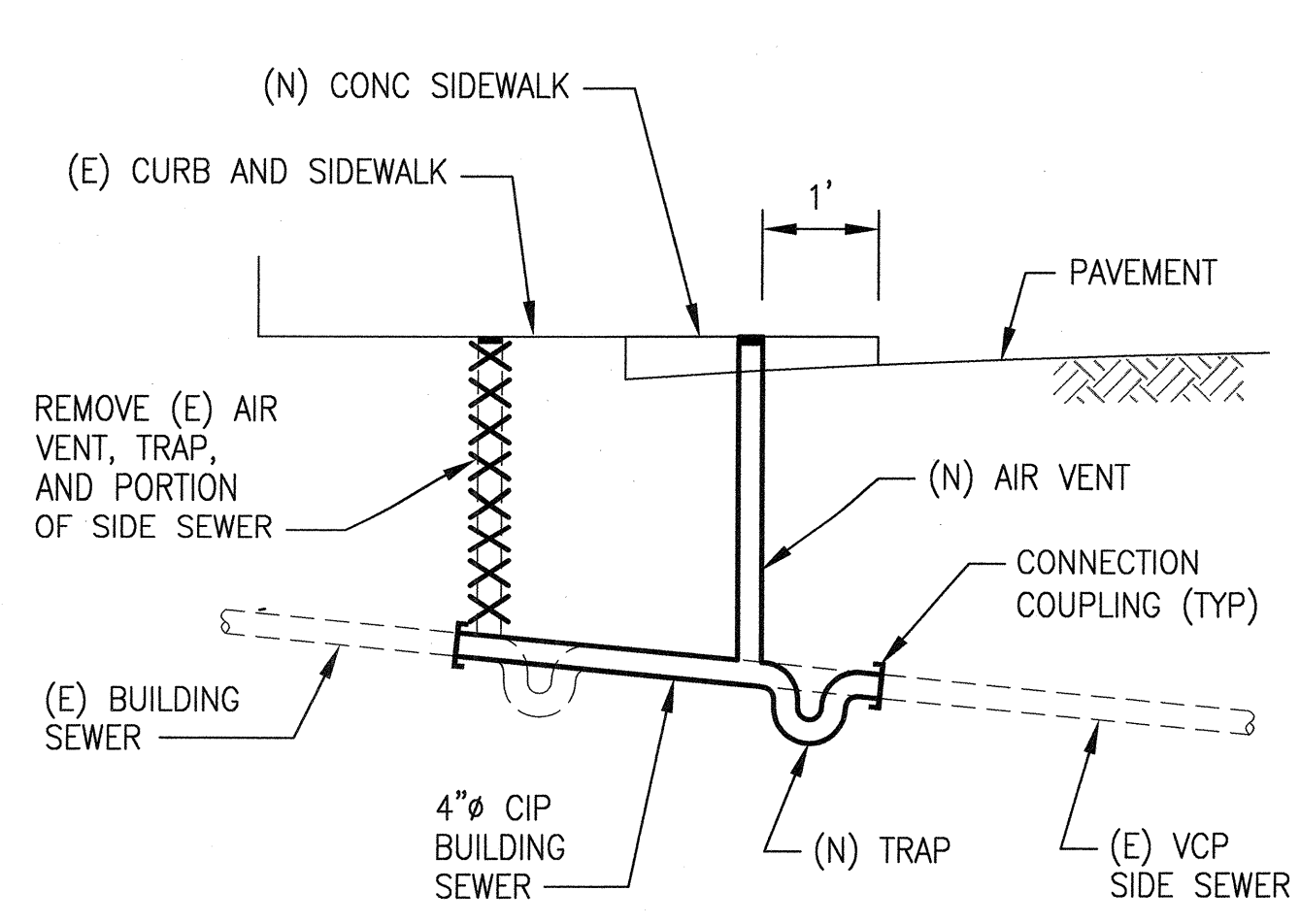
REFERENCES
GATE BOOK PAGES, PLANS,
SURVEY NOTES, ETC. USED



CITY AND COUNTY OF SAN FRANCISCO SAN FRANCISCO PUBLIC WORKS DESIGN & ENGINEERING		SECTION MANAGER A. MOMBENTI 08/2016	DRAWN A. MOMBENTI 08/2016
DEPUTY DIVISION MANAGER C. HSIEH 08/2016	CHECKED C. HSIEH 08/2016	DESIGNED C. HSIEH 08/2016	SCALE AS NOTED
DIVISION MANAGER L. WONG 08/2016	RECOMMENDED L. WONG 08/2016	DESIGNED L. WONG 08/2016	DATE
APPROVED		APPROVED	
MANAGER		ASSISTANT GENERAL MANAGER WASTEWATER ENTERPRISE	
NO.	DATE	DESCRIPTION	BY
REVISIONS			

SECTION MANAGER	CHECKED	DRAWN	SCALE
DIVISION MANAGER	RECOMMENDED	DESIGNED	AS NOTED
NO.	DATE	DESCRIPTION	BY
APPROVED		APPROVED	
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SHEET	OF	PLAN NO.	DRAWING NO.
102,713		SW-G1	0

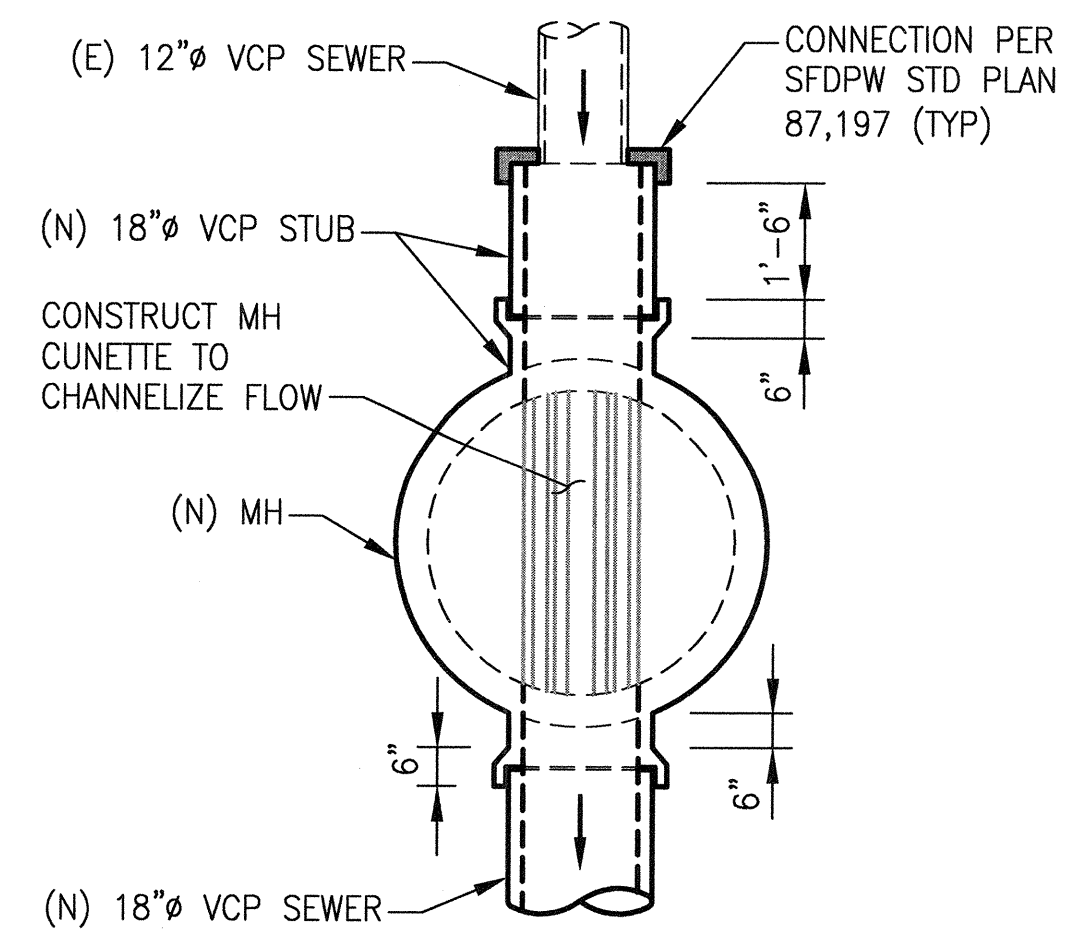
ELEVATION
DATUM
CITY



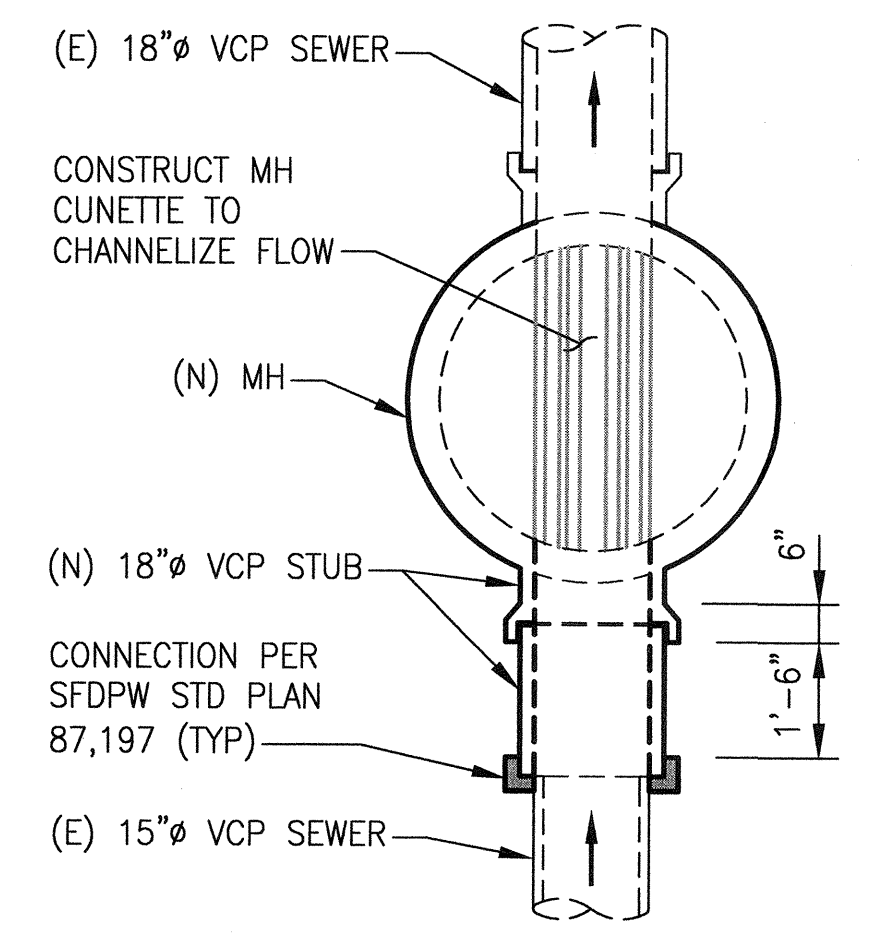
NOTES:

1. FOR DETAILS OF SIDE SEWER VENT AND TRAP, REFER TO SFDPW STD. PLAN 87,196
2. THIS DETAIL IS ALSO APPLICABLE FOR RELOCATION OF (E) SIDE SEWER VENTS CONNECTING TO BUILDING SEWERS LARGER THAN 4" IN DIAMETER. FOR LARGER SIZE BUILDING SEWERS, (N) CIP & TRAP SHALL BE OF IDENTICAL SIZE.

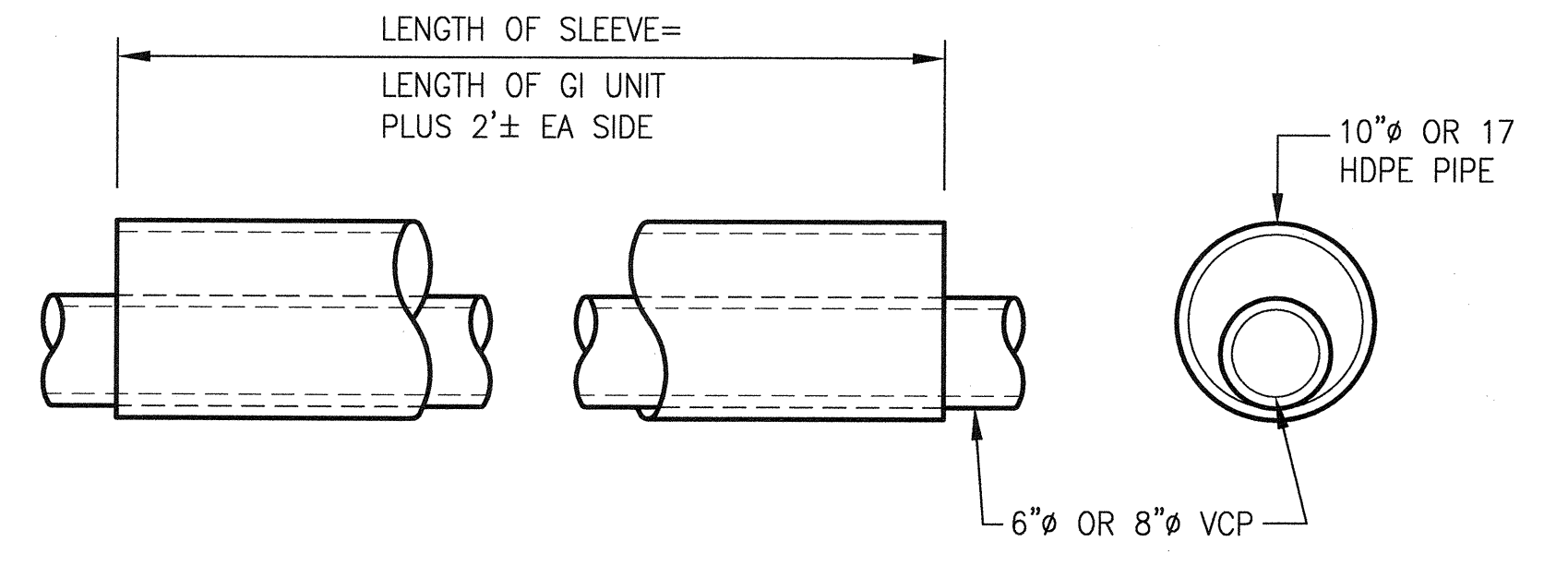
RELOCATION OF SIDE SEWER AIR VENT (1)
SCALE: NONE



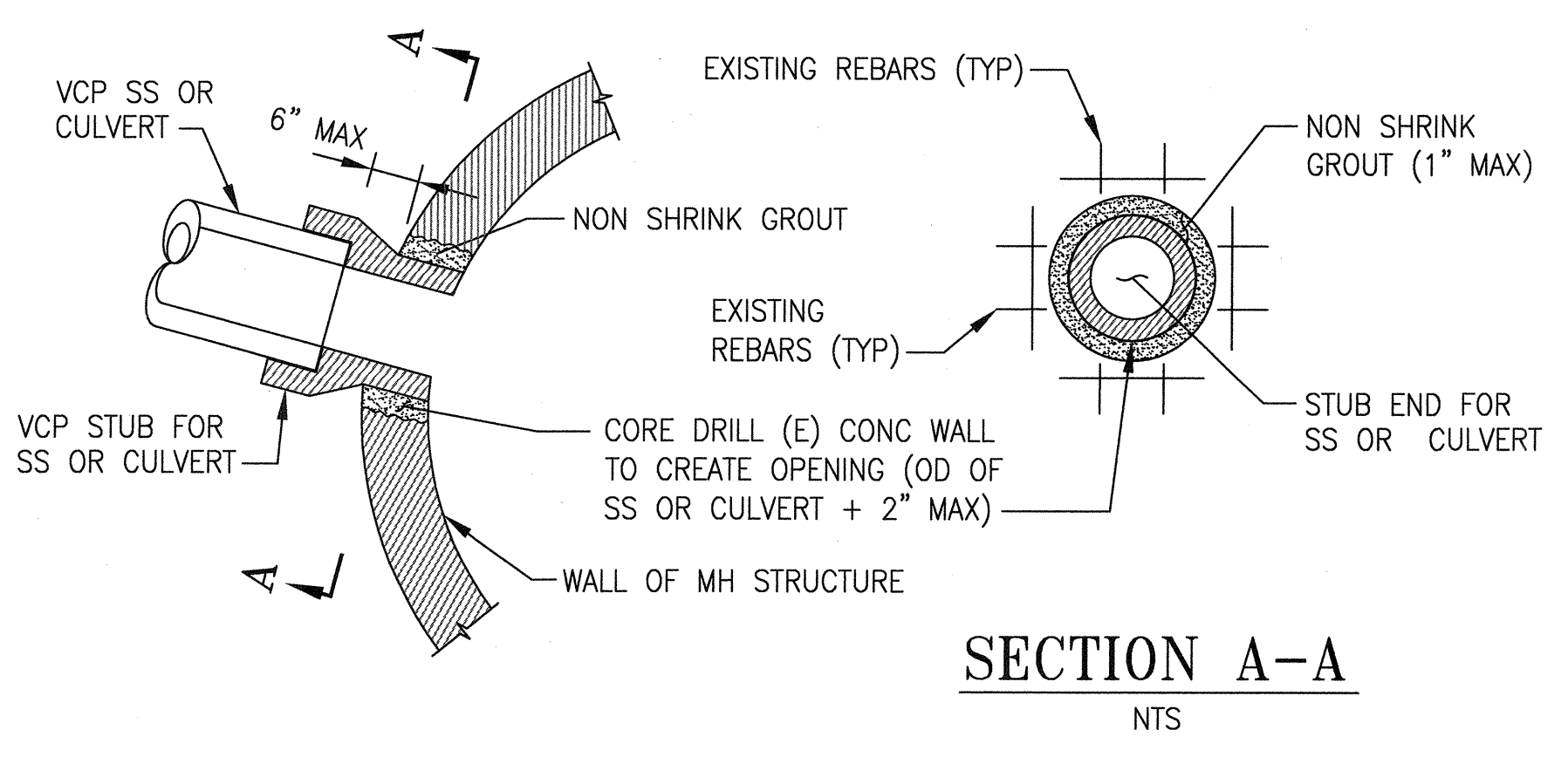
CONNECTION DETAIL (2)
SCALE: NONE (SEE SW-116 @ SUTTER)
(SEE SW-117 @ BUSH)



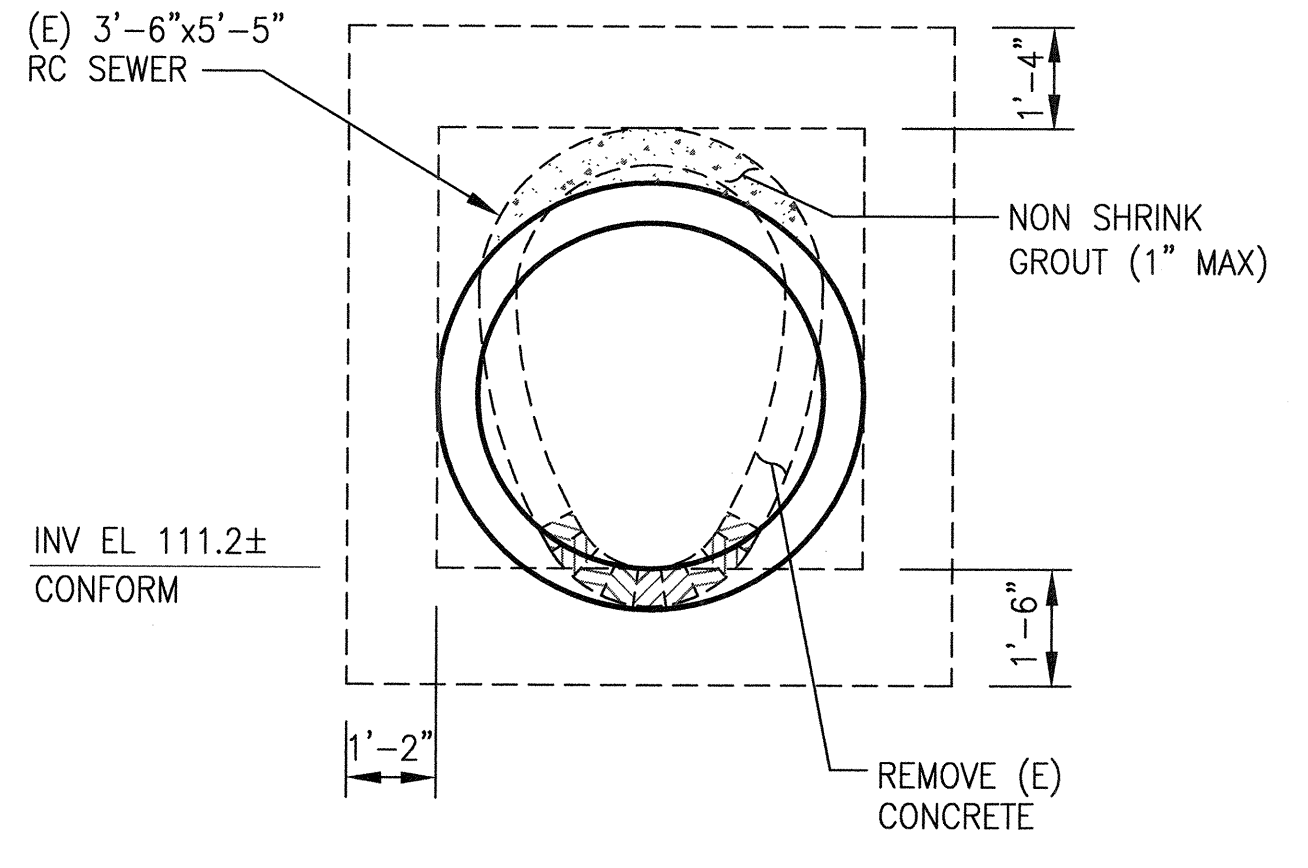
CONNECTION DETAIL (3)
SCALE: NONE (SEE SW-117 @ PINE)
(SEE SW-124 @ GREEN)
(SEE SW-126 @ FILBERT)
(SEE SW-127 @ LOMBARD)



HDPE SLEEVE (4)
SCALE: NONE



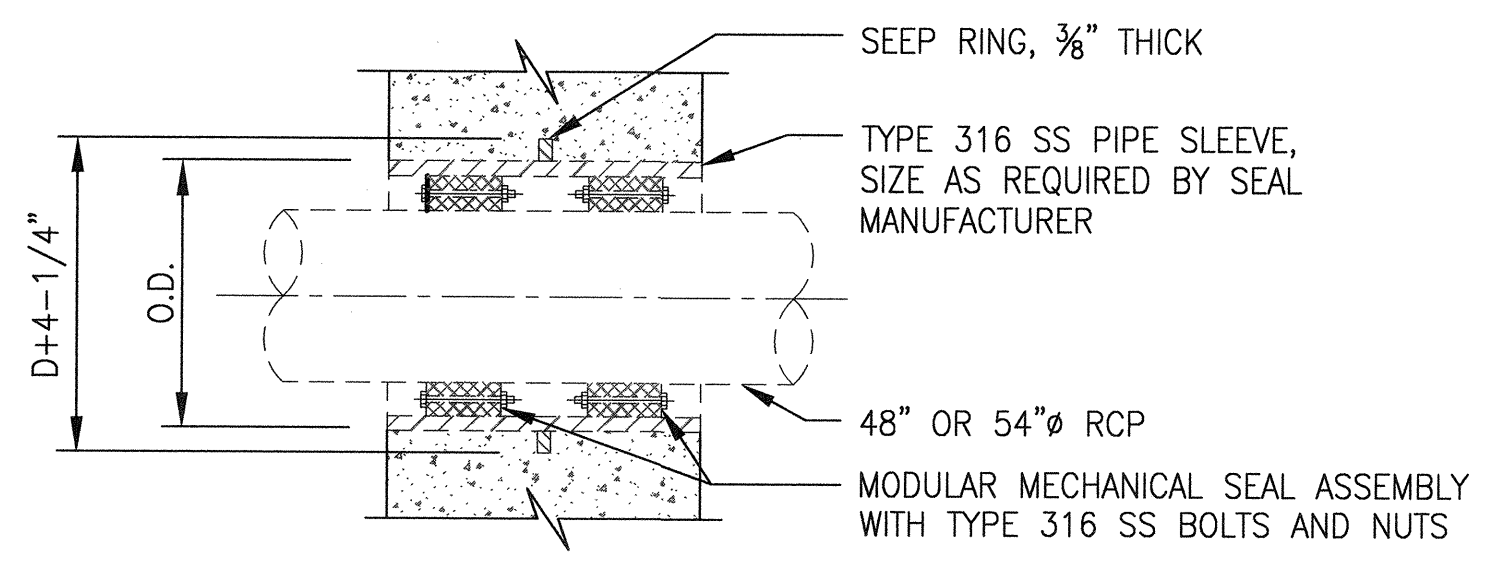
SIDE SEWER OR CULVERT CONNECTION TO RC SEWER (5)
SCALE: NONE



54\"/>

NOTES:

1. FOR EXISTING WALL, CORE-DRILL WALL EPOXY PAINT ANY EXPOSED/CUT REBAR, AND GROUT FULL DEPTH OF WALL AROUND SLEEVE WITH NON-SHRINK GROUT.
2. MATERIAL OF WALL SLEEVE SHALL BE TYPE 316 STAINLESS STEEL.
3. FOR DEPTH OF SPACE = 1" OR SMALLER, SPACE SHALL BE FILLED W/ SILICONE SEALANT WITHOUT BACK-UP BAR. COAT THE END FACE OF RUBBER SEAL W/ BOND BREAKER TO PREVENT SEALANT FROM ADHERING TO RUBBER SEAL.



WALL SLEEVE FOR 48\"/>

CONTRACT NO. 1289

CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
ENGINEERING MANAGEMENT BUREAU

MUNI BUS RAPID TRANSIT SYSTEM
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT
VAN NESS AVENUE SEWER REPLACEMENT DETAILS

REFERENCES
GATE BOOK PAGES, PLANS, SURVEY NOTES, ETC., USED



CITY AND COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
DESIGN & ENGINEERING

SECTION MANAGER: *[Signature]*
DESIGN DIVISION MANAGER: *[Signature]*
DIVISION MANAGER: *[Signature]*

DRAWN: A. MOMBENI 11/2015
DESIGNED: C. HSIEH 11/2015
CHECKED: L. WONG 11/2015

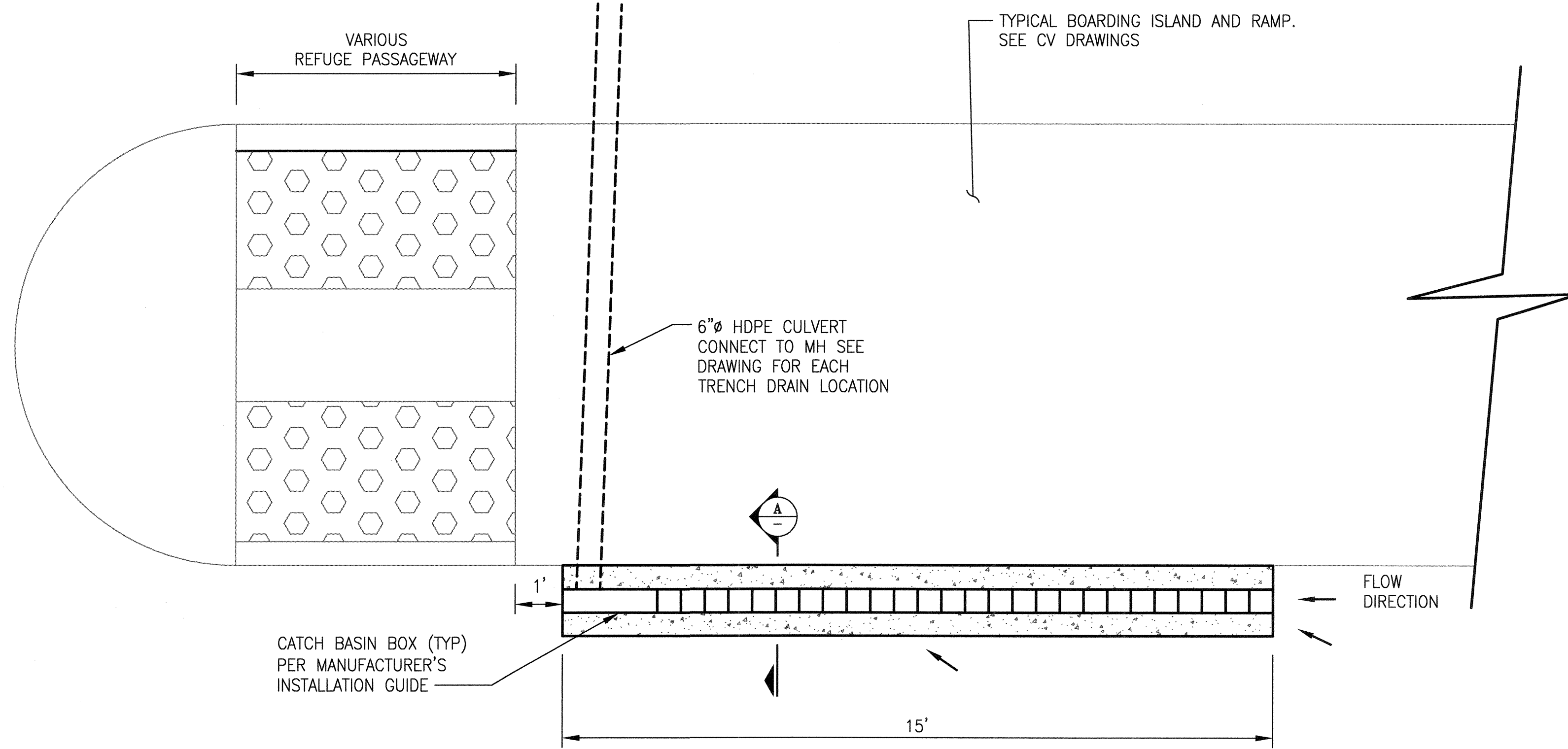
SECTION MANAGER	CHECKED	DRAWN	SCALE AS NOTED
DIVISION MANAGER	RECOMMENDED	DESIGNED	DATE

APPROVED: *[Signature]*
MANAGER
APPROVED: *[Signature]*
ASSISTANT GENERAL MANAGER
WASTEWATER ENTERPRISE

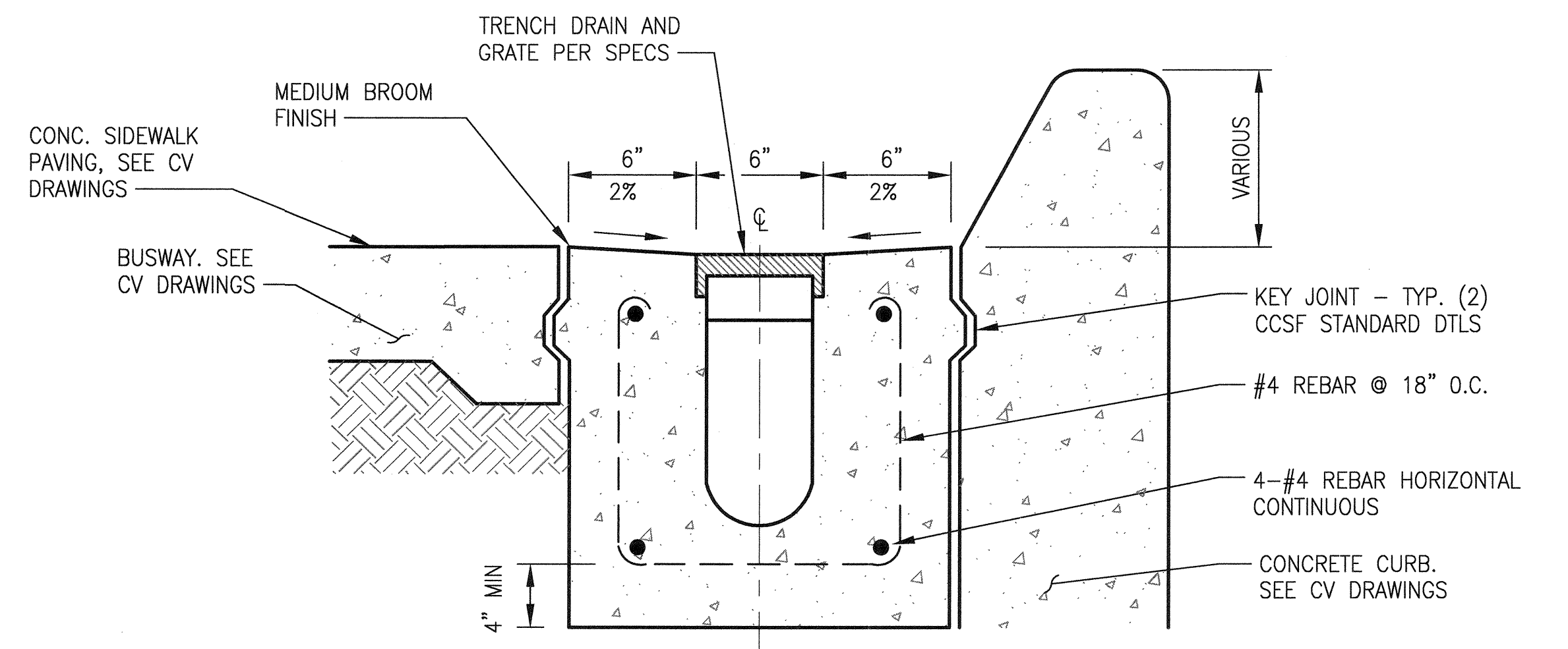
ELEVATION DATUM CITY

NO.	DATE	DESCRIPTION	BY	APPR'D
REVISIONS				

SHEET OF 102,714 SW-G2 0



PLAN
SCALE: NONE



NOTE:
INSTALL SCORE JOINTS AT APPROX. 5' O.C. SPACING, EQUALLY SPACED.

SECTION A
SCALE: NONE

TRENCH DRAIN DETAIL 1

SCALE: NONE

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CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
ENGINEERING MANAGEMENT BUREAU

MUNI BUS RAPID TRANSIT SYSTEM
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT
VAN NESS AVENUE SEWER REPLACEMENT DETAILS

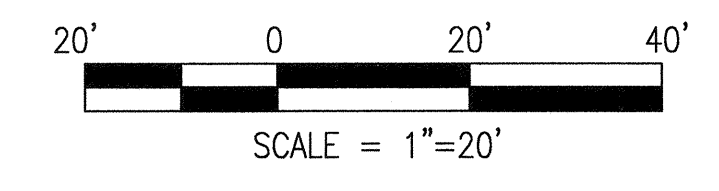
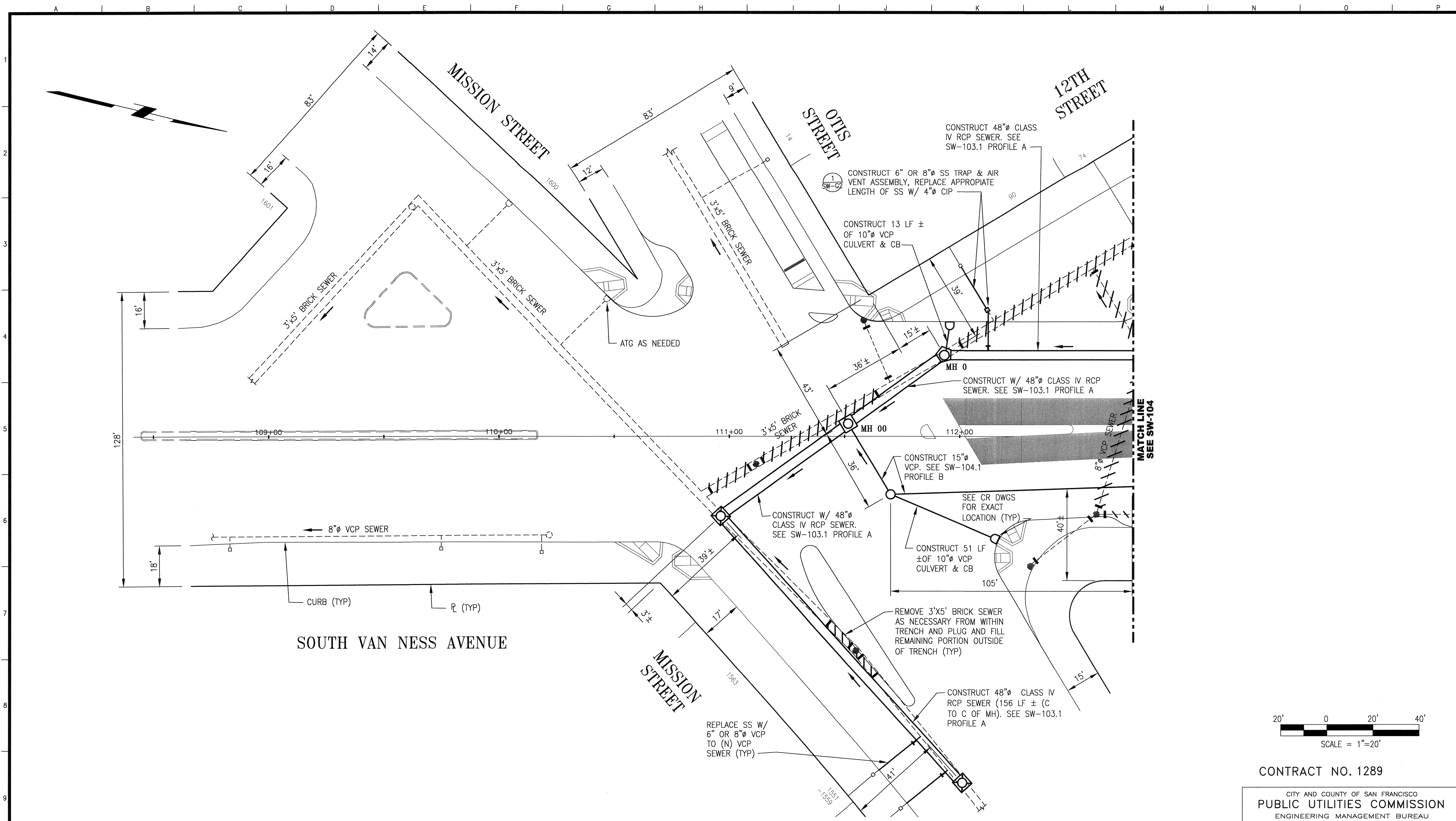
REFERENCES
GATE BOOK PAGES, PLANS, SURVEY NOTES, ETC. USED

ELEVATION DATUM CITY

REGISTERED PROFESSIONAL ENGINEER
CIVIL
No. 88502
STATE OF CALIFORNIA
11/24/2015

SECTION MANAGER <i>Cherry Ho</i> 11/20/15		DRAWN A. MOMBENT 11/20/15		
DEPUTY DIVISION MANAGER <i>Cherry Ho</i> 11/20/15		DESIGNED C. HSIEH 11/20/15		
DIVISION MANAGER <i>Cherry Ho</i> 11/20/15		CHECKED L. WONG 11/20/15		
NO.	DATE	DESCRIPTION	BY	APPR'D
REVISIONS				

SECTION MANAGER	CHECKED	DRAWN	SCALE
DIVISION MANAGER	RECOMMENDED	DESIGNED	AS NOTED
APPROVED <i>[Signature]</i> MANAGER		APPROVED <i>[Signature]</i> ASSISTANT GENERAL MANAGER WASTEWATER ENTERPRISE	
SHEET	OF	PLAN NO.	DRAWING NO.
102,715	SW-G3	0	0



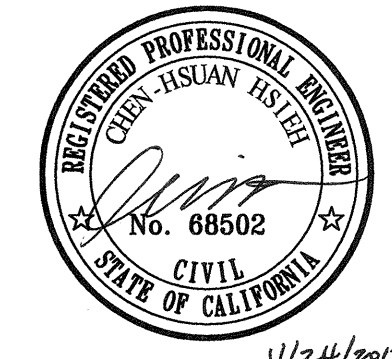
CONTRACT NO. 1289

CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
ENGINEERING MANAGEMENT BUREAU

MUNI BUS RAPID TRANSIT SYSTEM
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT
VAN NESS AVENUE SEWER REPLACEMENT
CTL 108+25 TO 112+75
PLAN

REFERENCES
GATE BOOK PAGES, PLANS,
SURVEY NOTES, ETC. USED

74,291
A-6528
A-9395
BK-020B_PG-014



ELEVATION
DATUM
CITY

CITY AND COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
DESIGN & ENGINEERING

SECTION MANAGER <i>[Signature]</i>	DRAWN A. MOMBENI 11/2015
DEPUTY DIVISION MANAGER <i>[Signature]</i>	DESIGNED C. HSIEH 11/2015
DIVISION MANAGER <i>[Signature]</i>	CHECKED L. WONG 11/2015

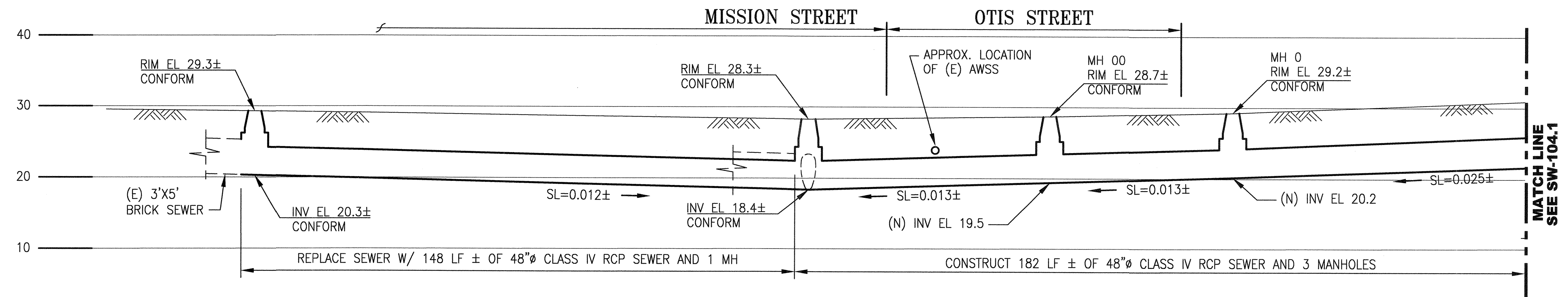
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REVISIONS				

SECTION MANAGER	CHECKED	DRAWN	SCALE AS NOTED
DIVISION MANAGER	RECOMMENDED	DESIGNED	DATE

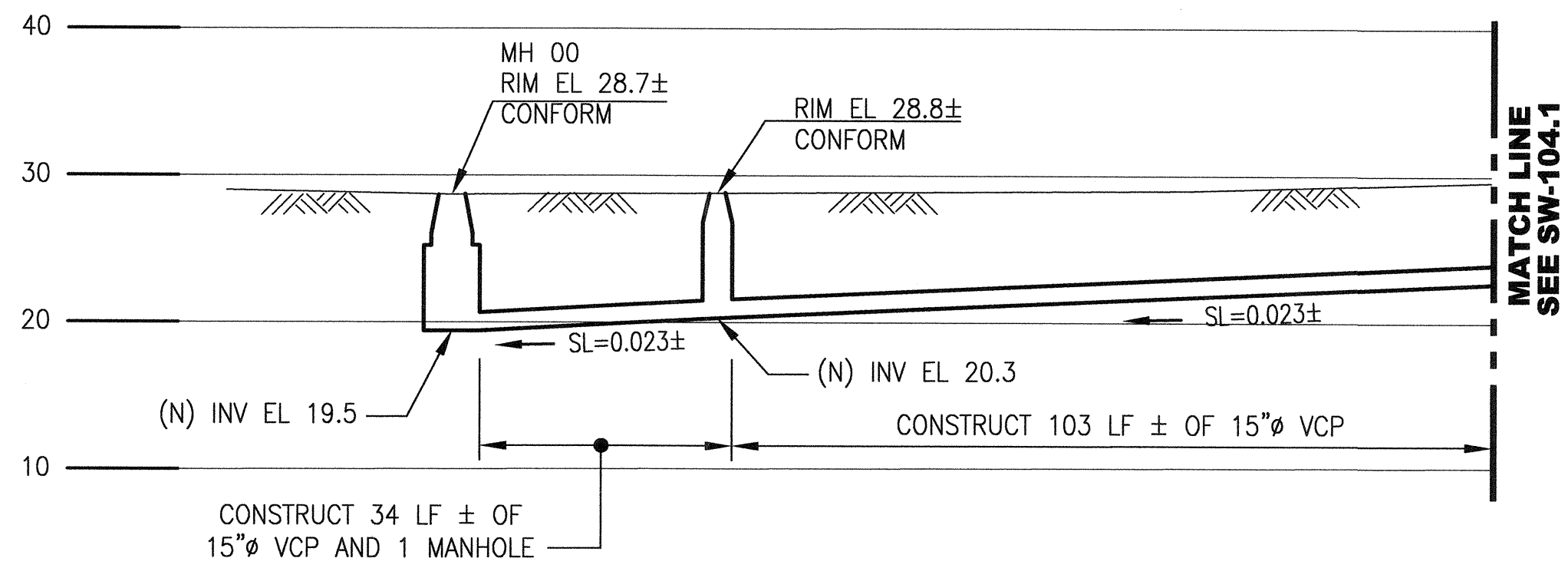
APPROVED
[Signature]
MANAGER

APPROVED
[Signature]
ASSISTANT GENERAL MANAGER
WASTEWATER ENTERPRISE

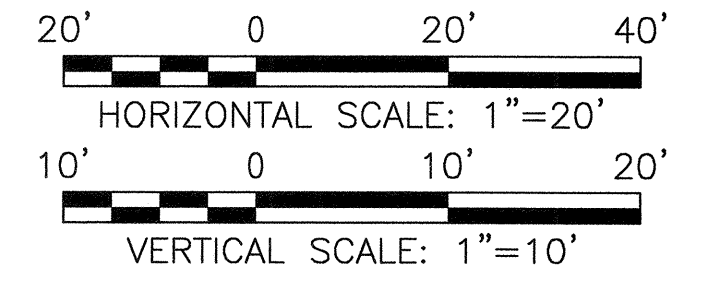
SHEET OF 102,716 SW-103 0



PROFILE A
SCALE: HORIZ 1"=20'
VERT 1"=10'



PROFILE B
SCALE: HORIZ 1"=20'
VERT 1"=10'

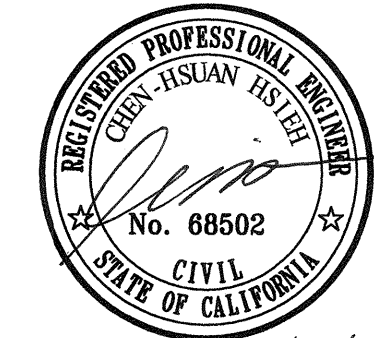


CONTRACT NO. 1289

CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
ENGINEERING MANAGEMENT BUREAU

MUNI BUS RAPID TRANSIT SYSTEM
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT
VAN NESS AVENUE SEWER WORK
CTL 108+25 TO 112+75
PROFILE

REFERENCES
GATE BOOK PAGES, PLANS,
SURVEY NOTES, ETC. USED
74,291
A-6528
A-9395
BK-020B_PG-014



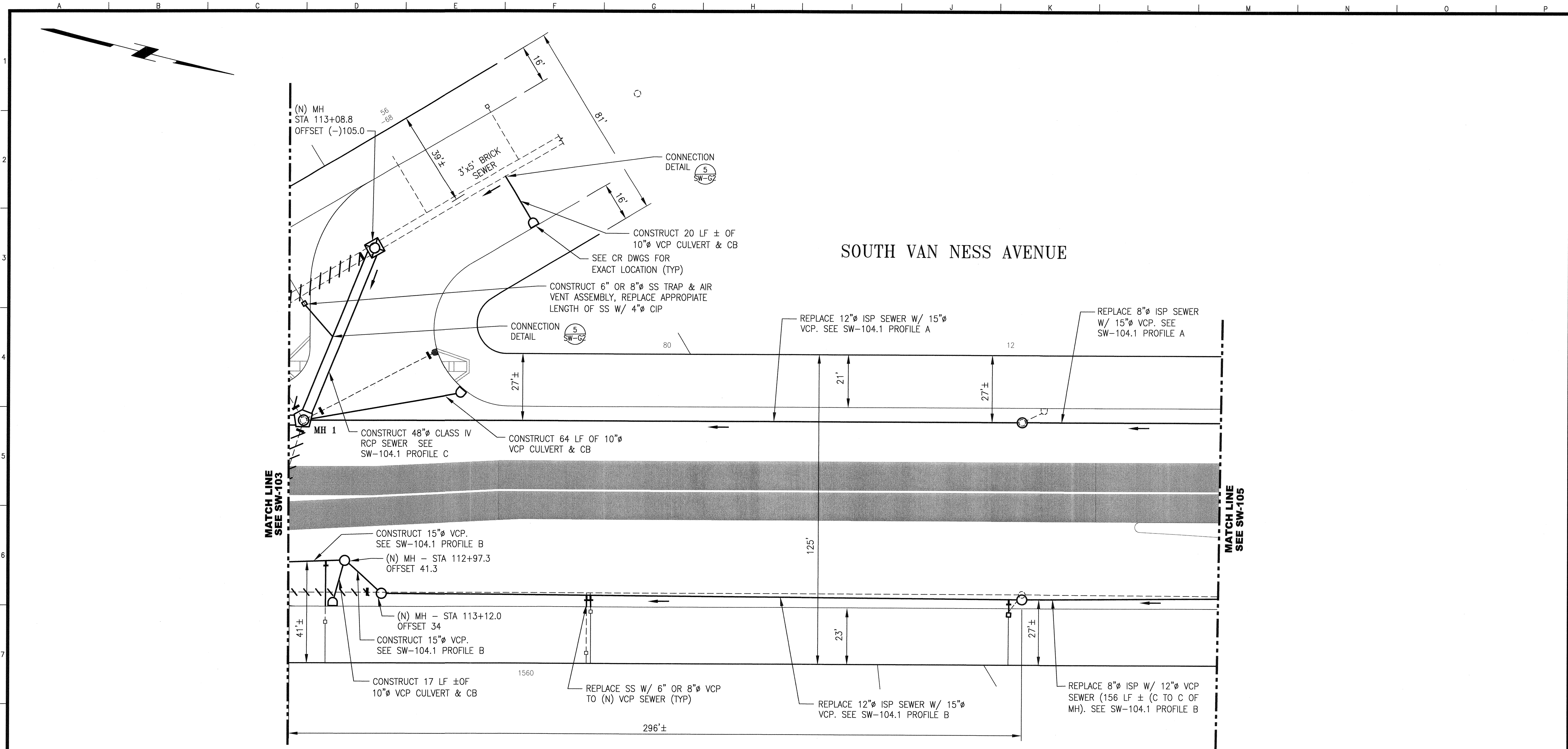
CITY AND COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
DESIGN & ENGINEERING

SECTION MANAGER <i>[Signature]</i> 11/24/15	DRAWN A. MOMBENI 11/2015
DEPUTY DIVISION MANAGER <i>[Signature]</i> 11/25/15	DESIGNED C. HSIEH 11/2015
DIVISION MANAGER <i>[Signature]</i> 11/24/15	CHECKED L. WONG 11/2015

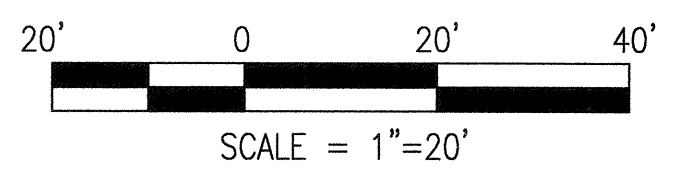
NO.	DATE	DESCRIPTION	BY	APPR'D
REVISIONS				

SECTION MANAGER	CHECKED	DRAWN	SCALE
DIVISION MANAGER	RECOMMENDED	DESIGNED	AS NOTED
APPROVED <i>[Signature]</i> MANAGER	APPROVED <i>[Signature]</i> ASSISTANT GENERAL MANAGER WASTEWATER ENTERPRISE	DATE	
SHEET OF	PLAN NO.	DRAWING NO.	REVISION NO.
	102.717	SW-103.1	0

ELEVATION
DATUM
CITY



SOUTH VAN NESS AVENUE



CONTRACT NO. 1289

CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
ENGINEERING MANAGEMENT BUREAU

MUNI BUS RAPID TRANSIT SYSTEM
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT
VAN NESS AVENUE SEWER REPLACEMENT
CTL 112+75 TO 116+50
PLAN

REFERENCES
GATE BOOK PAGES, PLANS,
SURVEY NOTES, ETC., USED
A-6528



CITY AND COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
DESIGN & ENGINEERING

SECTION MANAGER	<i>[Signature]</i>	DRAWN	A. MOMBENI	11/2015
DEPUTY DIVISION MANAGER	<i>[Signature]</i>	DESIGNED	C. HSIEH	11/2015
DIVISION MANAGER	<i>[Signature]</i>	CHECKED	L. WONG	11/2015

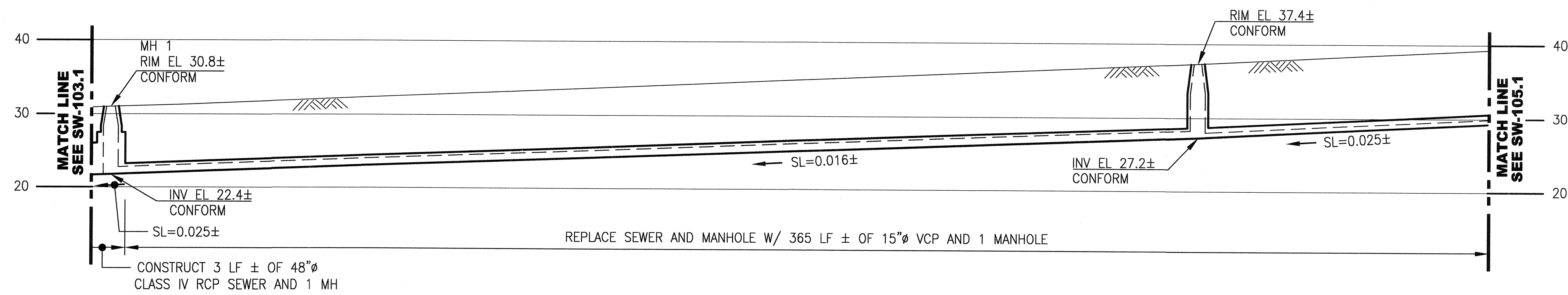
SECTION MANAGER	CHECKED	DRAWN	SCALE AS NOTED
DIVISION MANAGER	RECOMMENDED	DESIGNED	DATE

APPROVED	<i>[Signature]</i>	APPROVED	<i>[Signature]</i>
MANAGER		ASSISTANT GENERAL MANAGER	WASTEWATER ENTERPRISE

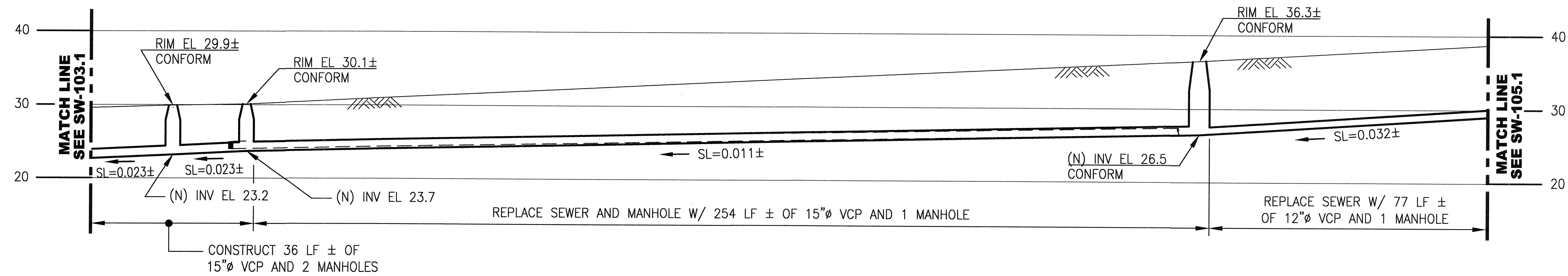
ELEVATION
DATUM
CITY

NO.	DATE	DESCRIPTION	BY	APPR'D
REVISIONS				

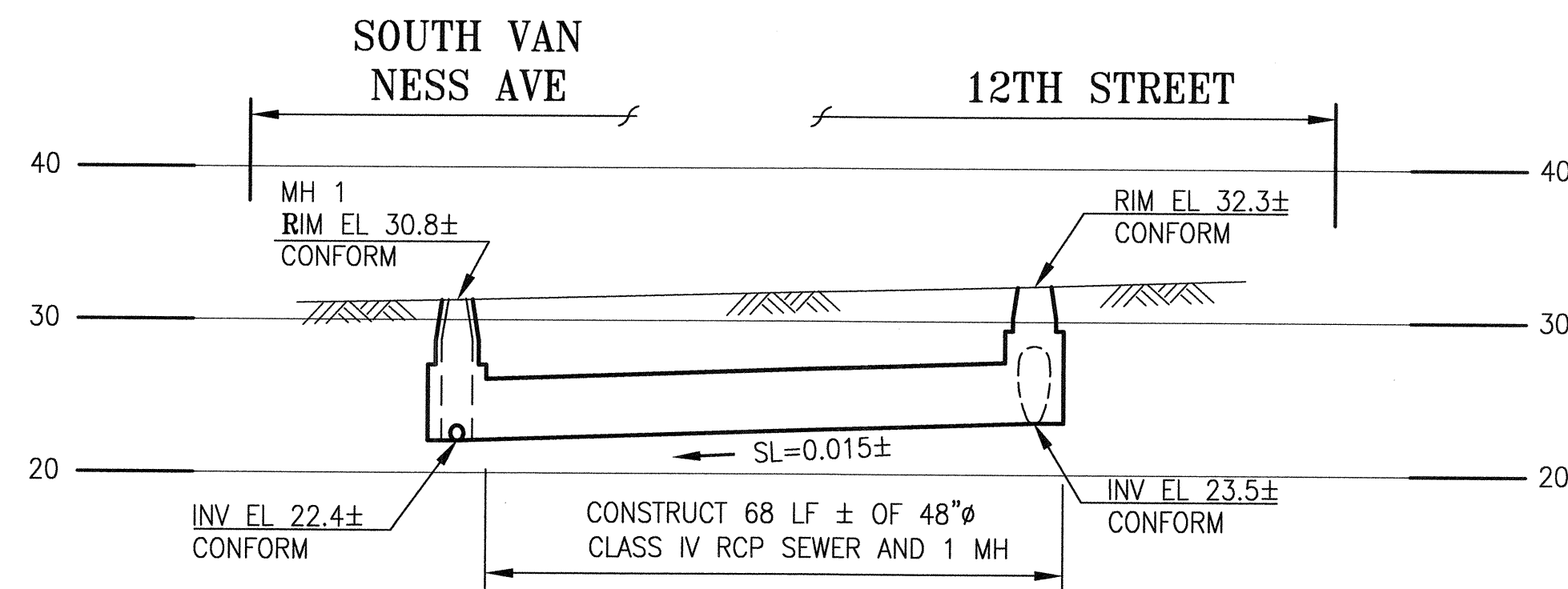
SHEET OF 102,718 SW-104 0



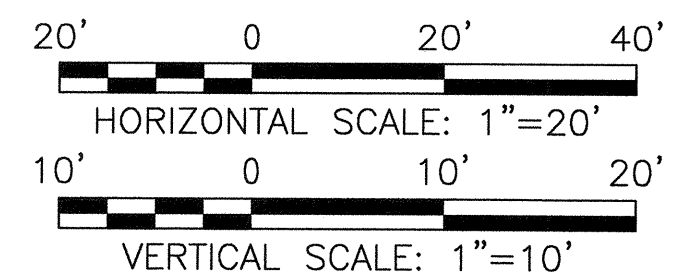
PROFILE A
 SCALE: HORIZ 1"=20'
 VERT 1"=10'



PROFILE B
 SCALE: HORIZ 1"=20'
 VERT 1"=10'



PROFILE C (LOOKING NORTH)
 SCALE: HORIZ 1"=20'
 VERT 1"=10'



CONTRACT NO. 1289

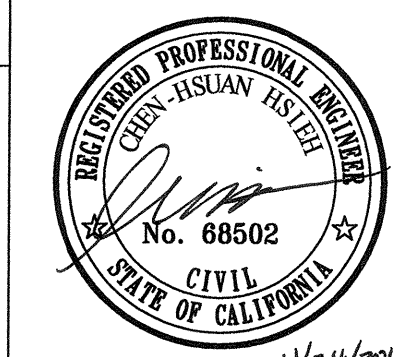
CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
 ENGINEERING MANAGEMENT BUREAU

MUNI BUS RAPID TRANSIT SYSTEM
 VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT
VAN NESS AVENUE SEWER WORK
 CTL 112+75 TO 116+50
PROFILE

SECTION MANAGER	CHECKED	DRAWN	SCALE AS NOTED
DIVISION MANAGER	RECOMMENDED	DESIGNED	DATE
APPROVED		APPROVED	
MANAGER		ASSISTANT GENERAL MANAGER	
NO.	DATE	DESCRIPTION	BY
REVISIONS			
SHEET	OF	PLAN NO.	DRAWING NO.
		102,719	SW-104.1
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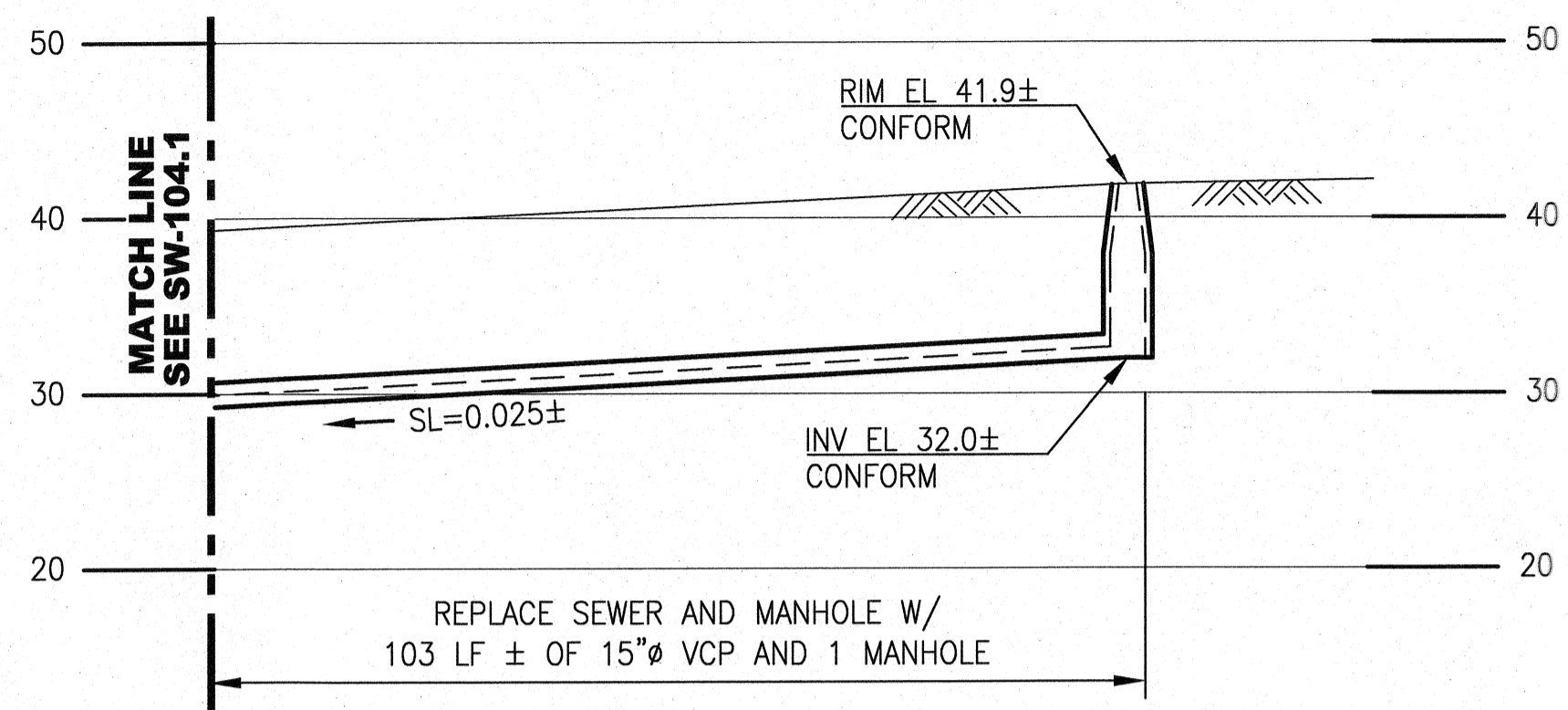
CITY AND COUNTY OF SAN FRANCISCO
 SAN FRANCISCO PUBLIC WORKS
 DESIGN & ENGINEERING

SECTION MANAGER	DRAWN	DATE
DEPUTY DIVISION MANAGER	DESIGNED	DATE
DIVISION MANAGER	CHECKED	DATE

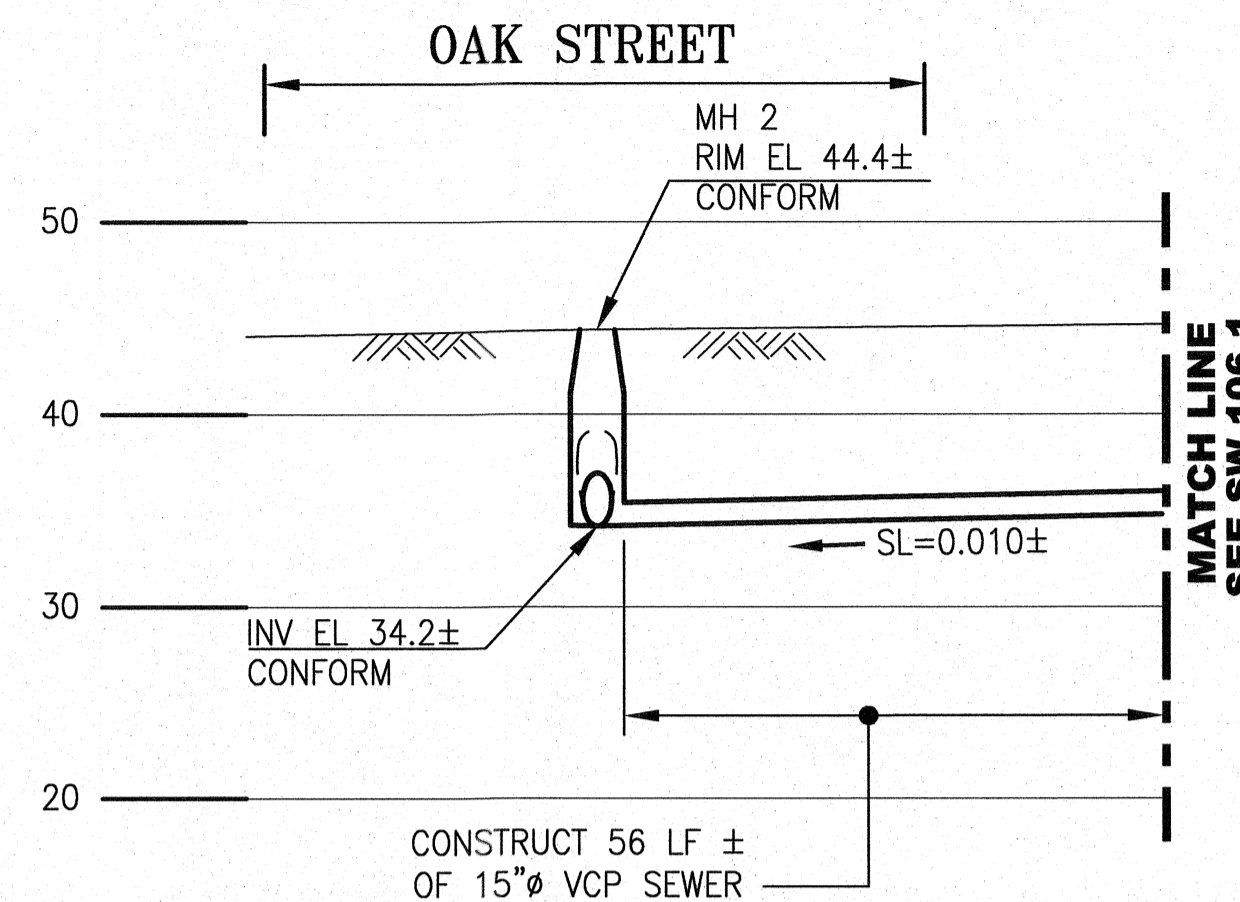


REFERENCES
 GATE BOOK PAGES, PLANS,
 SURVEY NOTES, ETC., USED
 A-6528

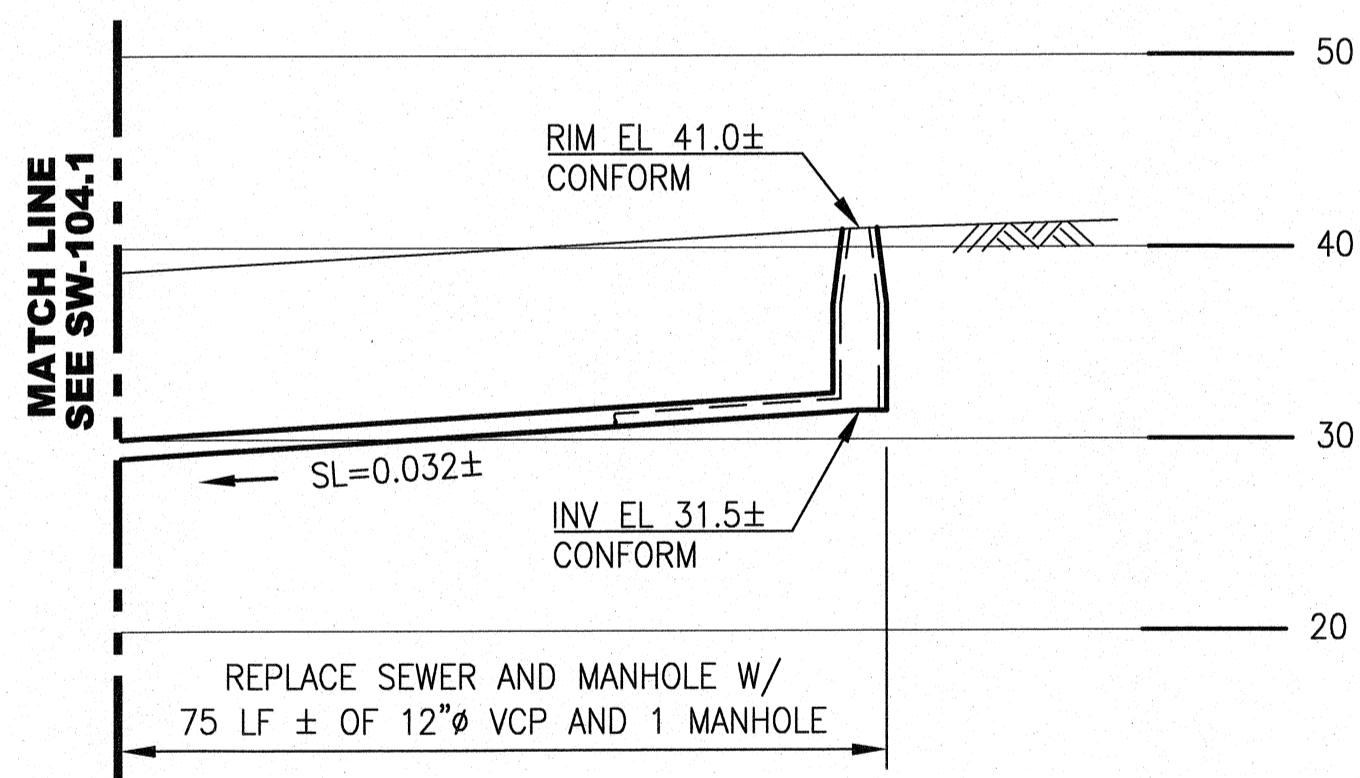
ELEVATION
 DATUM
 CITY



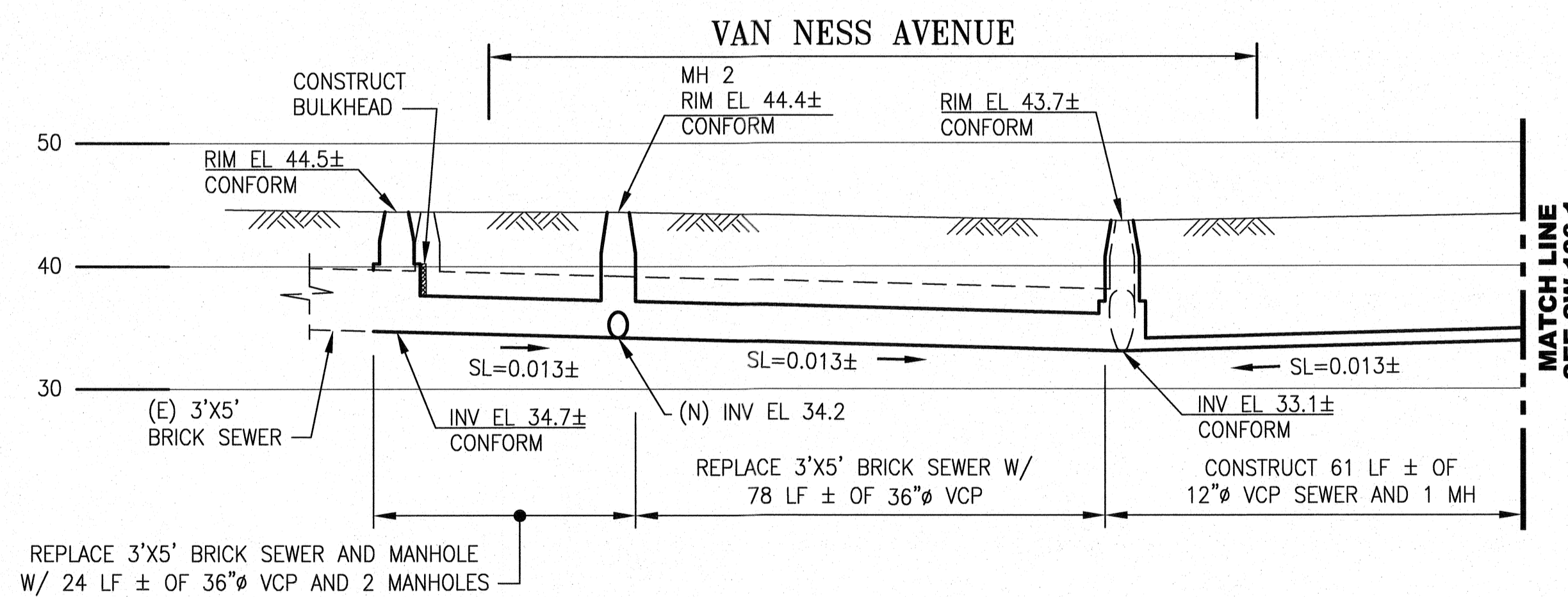
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SCALE: HORIZ 1"=20'
VERT 1"=10'



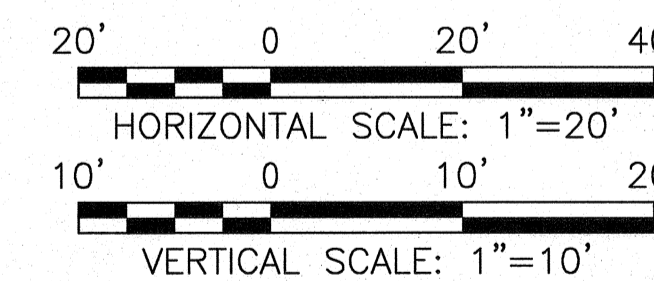
PROFILE A
SCALE: HORIZ 1"=20'
VERT 1"=10'



PROFILE B
SCALE: HORIZ 1"=20'
VERT 1"=10'



PROFILE B
SCALE: HORIZ 1"=20'
VERT 1"=10'

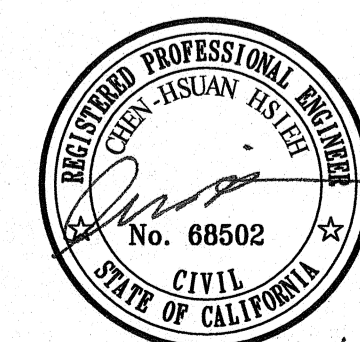


CONTRACT NO. 1289

CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
ENGINEERING MANAGEMENT BUREAU

MUNI BUS RAPID TRANSIT SYSTEM
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT
VAN NESS AVENUE SEWER WORK
CTL 116+50 TO 120+75
PROFILE

REFERENCES
GATE BOOK PAGES, PLANS,
SURVEY NOTES, ETC., USED
A-6528



CITY AND COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
DESIGN & ENGINEERING

SECTION MANAGER: *[Signature]*
DEPUTY DIVISION MANAGER: *[Signature]*
DESIGNED: A. MOMBENI 09/2016
CHECKED: C. HSIEH 09/2016
DIVISION MANAGER: *[Signature]*
CHECKED: L. WONG 09/2016

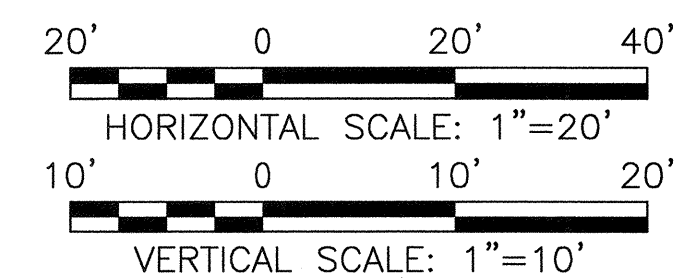
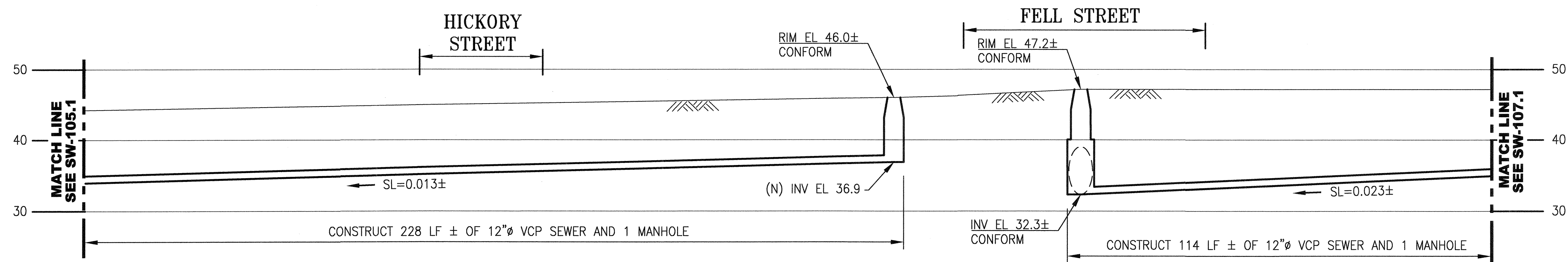
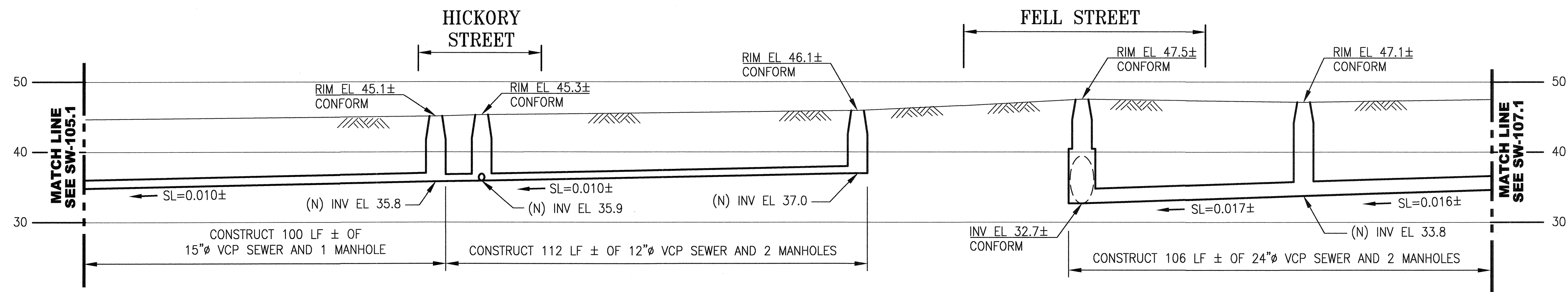
SECTION MANAGER	CHECKED	DRAWN	SCALE AS NOTED
DIVISION MANAGER	RECOMMENDED	DESIGNED	DATE

APPROVED	APPROVED
MANAGER	ASSISTANT GENERAL MANAGER WASTEWATER ENTERPRISE

NO.	DATE	DESCRIPTION	BY	APPR'D
REVISIONS				

SHEET	OF	PLAN NO.	DRAWING NO.	REVISION NO.
102,721	102,721	SW-105.1	0	0

ELEVATION
DATUM
CITY



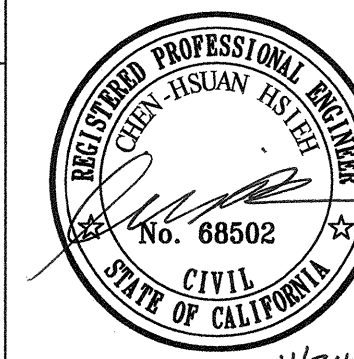
CONTRACT NO. 1289

CITY AND COUNTY OF SAN FRANCISCO
 PUBLIC UTILITIES COMMISSION
 ENGINEERING MANAGEMENT BUREAU

MUNI BUS RAPID TRANSIT SYSTEM
 VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT

VAN NESS AVENUE SEWER WORK
 CTL 120+75 TO 124+75
 PROFILE

REFERENCES
 GATE BOOK PAGES, PLANS,
 SURVEY NOTES, ETC., USED



CITY AND COUNTY OF SAN FRANCISCO
 SAN FRANCISCO PUBLIC WORKS
 DESIGN & ENGINEERING

SECTION MANAGER <i>[Signature]</i>	DRAWN A. MOMBENI 11/2015
DEPUTY DIVISION MANAGER <i>[Signature]</i>	DESIGNED C. HSIEH 11/2015
DIVISION MANAGER <i>[Signature]</i>	CHECKED L. WONG 11/2015

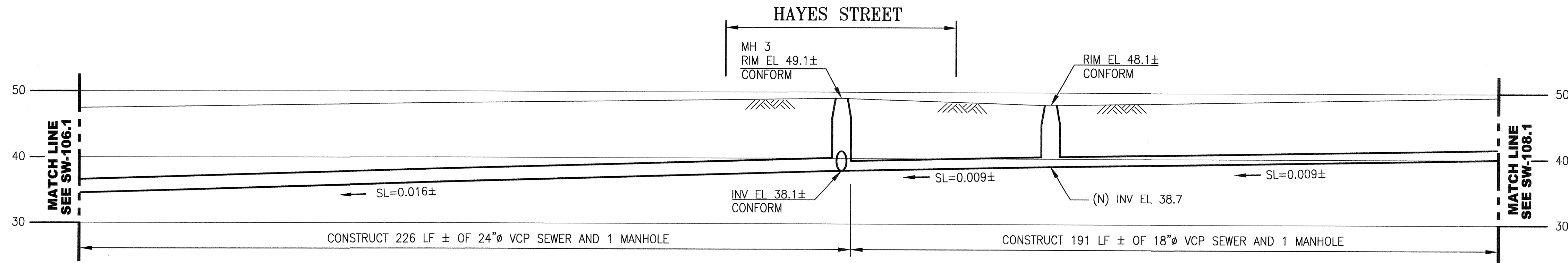
SECTION MANAGER	CHECKED	DRAWN	SCALE AS NOTED
DIVISION MANAGER	RECOMMENDED	DESIGNED	DATE

APPROVED: *[Signature]*
 MANAGER
 APPROVED: *[Signature]*
 ASSISTANT GENERAL MANAGER
 WASTEWATER ENTERPRISE

ELEVATION DATUM CITY

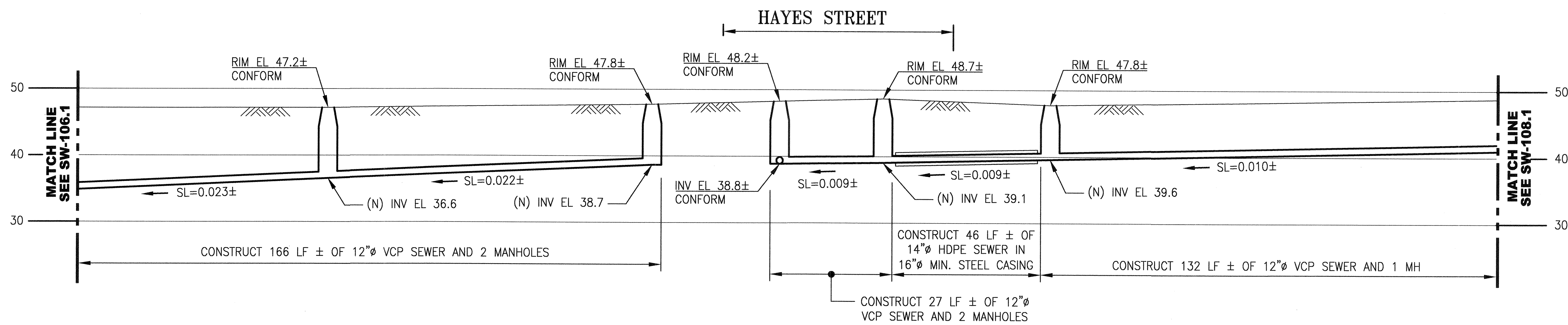
NO.	DATE	DESCRIPTION	BY	APPR'D
REVISIONS				

SHEET OF 102,723 SW-106.1 0



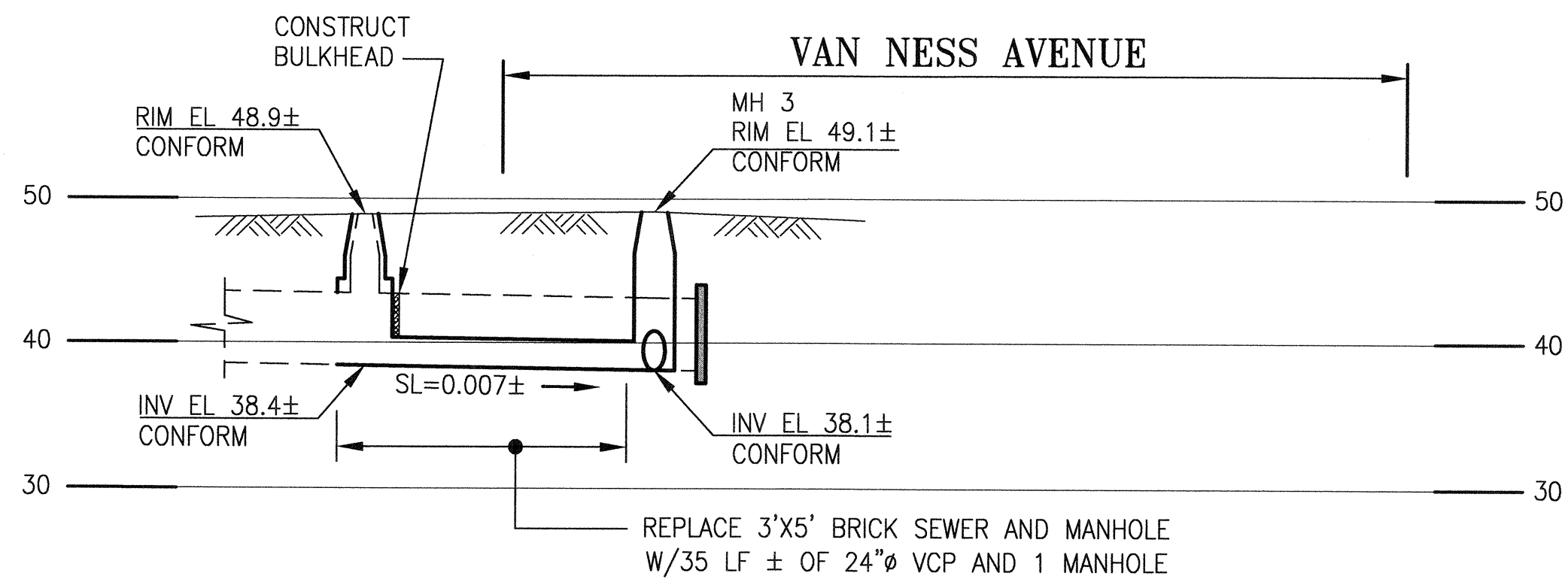
PROFILE A

SCALE: HORIZ 1"=20'
VERT 1"=10'



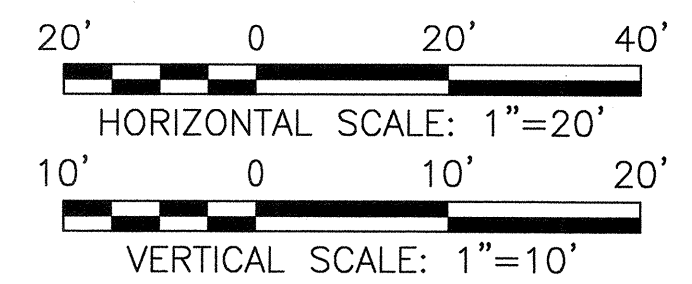
PROFILE B

SCALE: HORIZ 1"=20'
VERT 1"=10'



PROFILE C (LOOKING NORTH)

SCALE: HORIZ 1"=20'
VERT 1"=10'

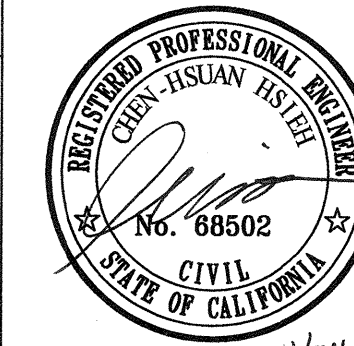


CONTRACT NO. 1289

CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
ENGINEERING MANAGEMENT BUREAU

MUNI BUS RAPID TRANSIT SYSTEM
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT
VAN NESS AVENUE SEWER WORK
CTL 124+75 TO 129+00
PROFILE

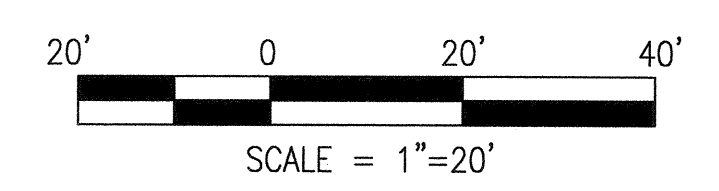
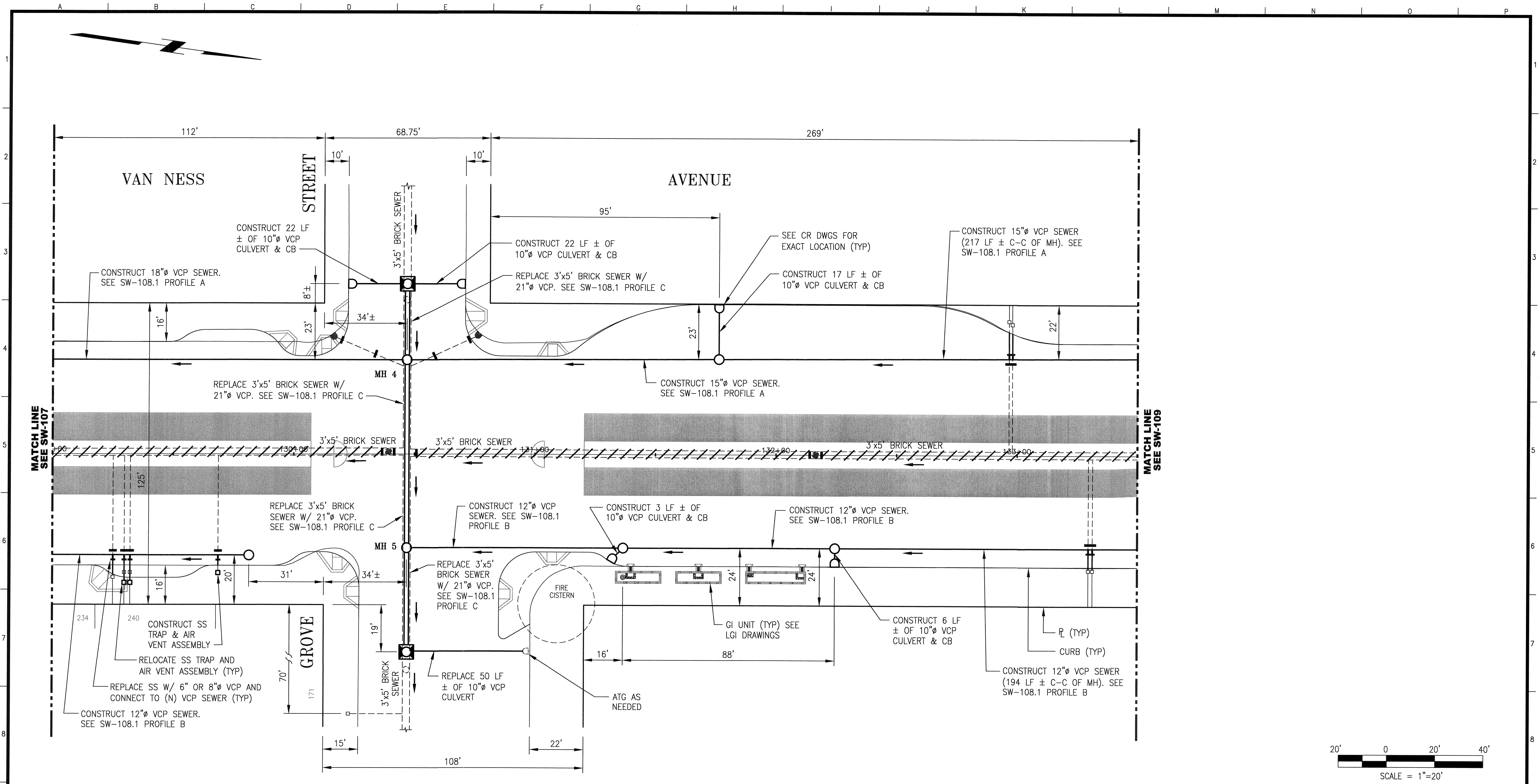
REFERENCES
GATE BOOK PAGES, PLANS,
SURVEY NOTES, ETC. USED



SECTION MANAGER <i>[Signature]</i> 11/24/15		DRAWN A. MOMBENI 11/2015	
QUALITY DIVISION MANAGER <i>[Signature]</i> 11/23/15		DESIGNED C. HSIEH 11/2015	
DIVISION MANAGER <i>[Signature]</i> 11/24/15		CHECKED L. WONG 11/2015	
NO.	DATE	DESCRIPTION	BY
REVISIONS			

SECTION MANAGER	CHECKED	DRAWN	SCALE AS NOTED
DIVISION MANAGER	RECOMMENDED	DESIGNED	DATE
APPROVED <i>[Signature]</i> MANAGER		APPROVED <i>[Signature]</i> ASSISTANT GENERAL MANAGER WASTEWATER ENTERPRISE	
SHEET	OF	PLAN NO. DRAWING NO.	REVISION NO.
102,725	SW-107.1	0	

ELEVATION DATUM CITY

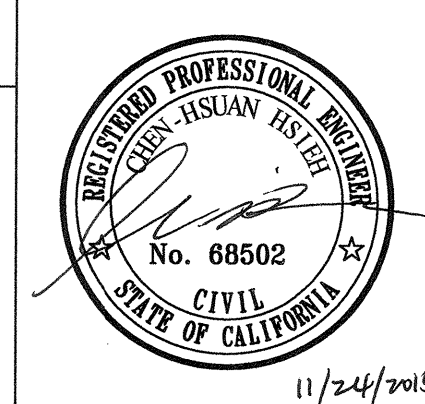


CONTRACT NO. 1289

CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
ENGINEERING MANAGEMENT BUREAU

MUNI BUS RAPID TRANSIT SYSTEM
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT
VAN NESS AVENUE SEWER REPLACEMENT
CTL 129+00 TO 133+50
PLAN

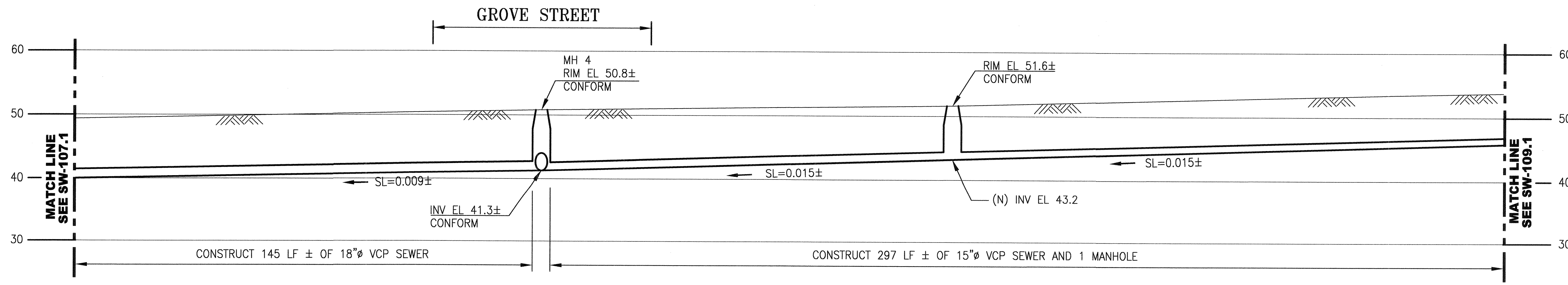
REFERENCES
GATE BOOK PAGES, PLANS,
SURVEY NOTES, ETC. USED
64,871
A-29190



ELEVATION
DATUM
CITY

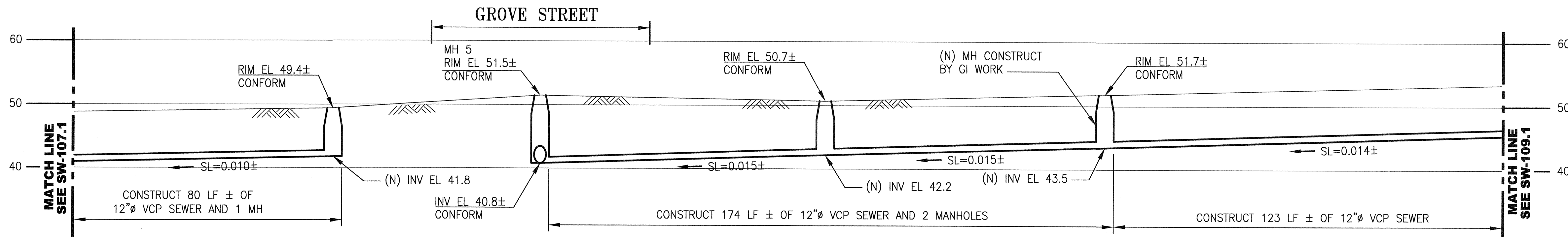
CITY AND COUNTY OF SAN FRANCISCO SAN FRANCISCO PUBLIC WORKS DESIGN & ENGINEERING			
SECTION MANAGER <i>[Signature]</i> 11/24/15	DRAWN A.MOMBENI 11/20/15	CHECKED L.WONG 11/20/15	DATE 11/20/15
DEPUTY DIVISION MANAGER <i>[Signature]</i> 11/25/15	DESIGNED C.HSIEH 11/20/15	CHECKED L.WONG 11/20/15	DATE 11/20/15
DIVISION MANAGER <i>[Signature]</i> 11/20/15	CHECKED L.WONG 11/20/15	CHECKED L.WONG 11/20/15	DATE 11/20/15
NO.	DATE	DESCRIPTION	BY
REVISIONS			

SECTION MANAGER	CHECKED	DRAWN	SCALE
DIVISION MANAGER	RECOMMENDED	DESIGNED	AS NOTED
APPROVED <i>[Signature]</i>	APPROVED <i>[Signature]</i>	DATE	DATE
MANAGER	ASSISTANT GENERAL MANAGER WASTEWATER ENTERPRISE	PLAN NO.	REVISION NO.
SHEET	OF	102,726	SW-108 0



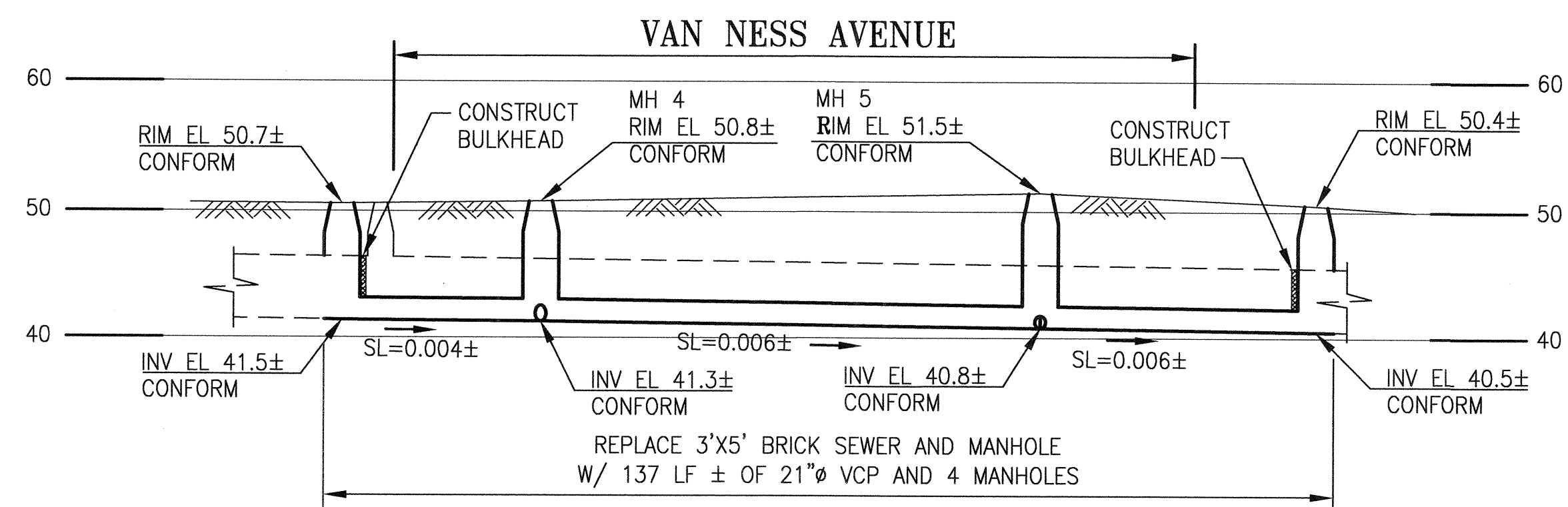
PROFILE A

SCALE: HORIZ 1"=20'
VERT 1"=10'



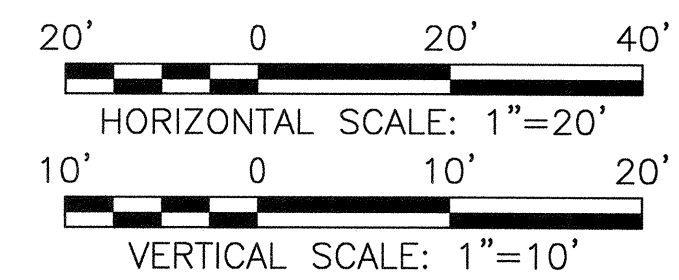
PROFILE B

SCALE: HORIZ 1"=20'
VERT 1"=10'



PROFILE C (LOOKING NORTH)

SCALE: HORIZ 1"=20'
VERT 1"=10'



CONTRACT NO. 1289

CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
ENGINEERING MANAGEMENT BUREAU

MUNI BUS RAPID TRANSIT SYSTEM
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT

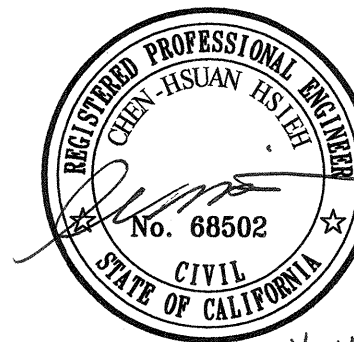
VAN NESS AVENUE SEWER WORK
CTL 129+00 TO 133+50
PROFILE

REFERENCES

GATE BOOK PAGES, PLANS,
SURVEY NOTES, ETC. USED

64,871
A-29190

ELEVATION
DATUM
CITY



CITY AND COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
DESIGN & ENGINEERING

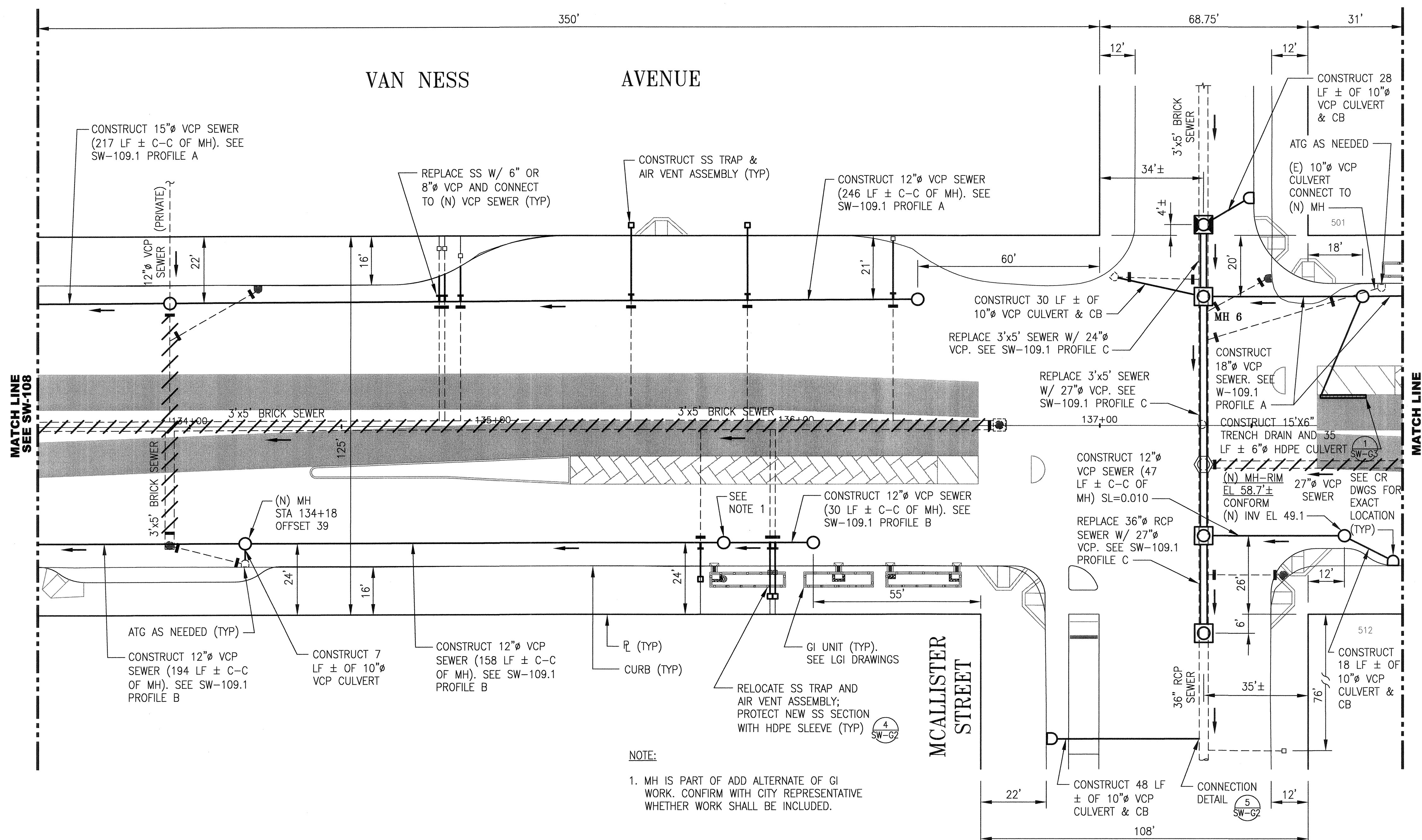
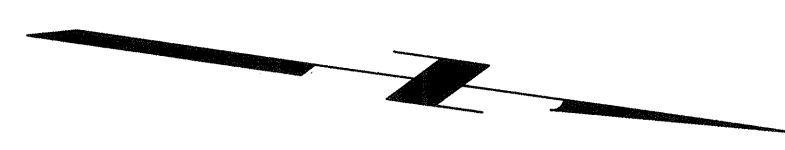
SECTION MANAGER <i>[Signature]</i>	DRAWN A. MOMBENI 11/2015
DEPUTY DIVISION MANAGER <i>[Signature]</i>	DESIGNED C. HSIEH 11/2015
DIVISION MANAGER <i>[Signature]</i>	CHECKED L. WONG 11/2015

NO.	DATE	DESCRIPTION	BY	APPR'D
REVISIONS				

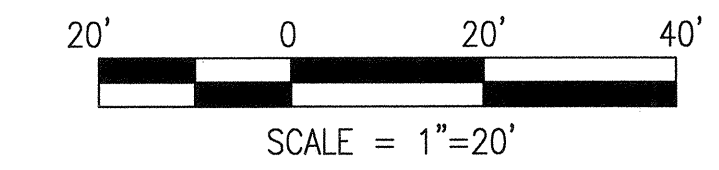
SECTION MANAGER	CHECKED	DRAWN	SCALE AS NOTED
DIVISION MANAGER	RECOMMENDED	DESIGNED	DATE

APPROVED
[Signature]
MANAGER
ASSISTANT GENERAL MANAGER
WASTEWATER ENTERPRISE

SHEET	OF	102,727	DRAWING NO.	SW-108.1	REVISION NO.	0
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NOTE:
 1. MH IS PART OF ADD ALTERNATE OF GI WORK. CONFIRM WITH CITY REPRESENTATIVE WHETHER WORK SHALL BE INCLUDED.

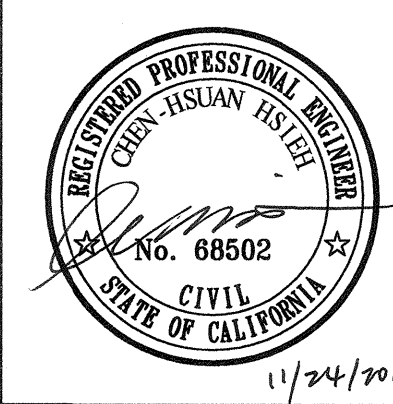


CONTRACT NO. 1289

CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
 ENGINEERING MANAGEMENT BUREAU

MUNI BUS RAPID TRANSIT SYSTEM
 VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT
VAN NESS AVENUE SEWER REPLACEMENT
 CTL 133+50 TO 138+00
PLAN

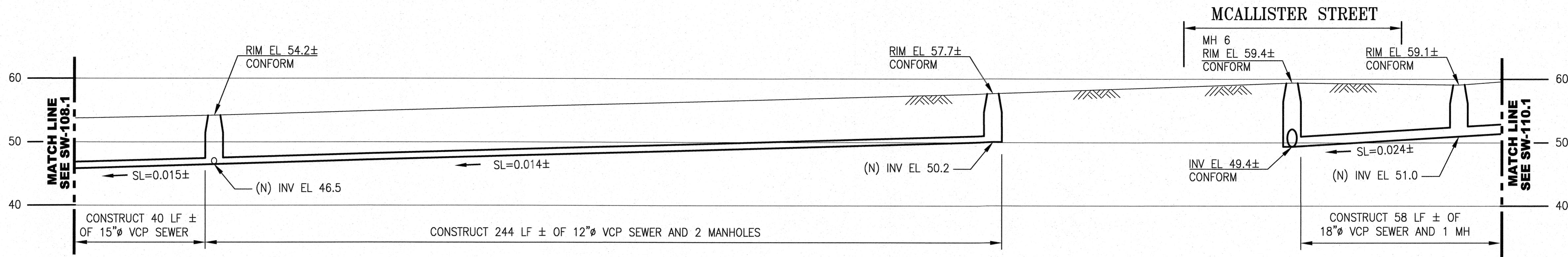
REFERENCES
 GATE BOOK PAGES, PLANS, SURVEY NOTES, ETC., USED
 64,871
 71,103
 A-27702
 A-29190



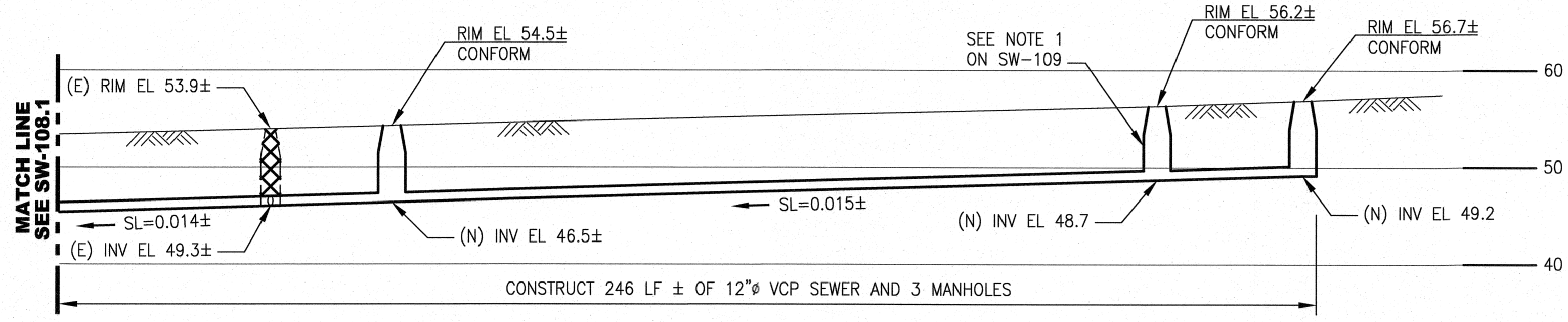
SECTION MANAGER <i>A. Mombeni</i> 11/2015		DRAWN A. MOMBENI 11/2015	
DEPUTY DIVISION MANAGER <i>[Signature]</i> 11/2015		DESIGNED C. HSIEH 11/2015	
DIVISION MANAGER <i>[Signature]</i> 11/2015		CHECKED L. WONG 11/2015	
NO.	DATE	DESCRIPTION	BY
REVISIONS			

SECTION MANAGER	CHECKED	DRAWN	SCALE AS NOTED
DIVISION MANAGER	RECOMMENDED	DESIGNED	DATE
APPROVED <i>[Signature]</i> MANAGER	APPROVED <i>[Signature]</i> ASSISTANT GENERAL MANAGER WASTEWATER ENTERPRISE	PLAN NO. 102,728	DRAWING NO. SW-109
SHEET	OF	102,728	REVISION NO. 0

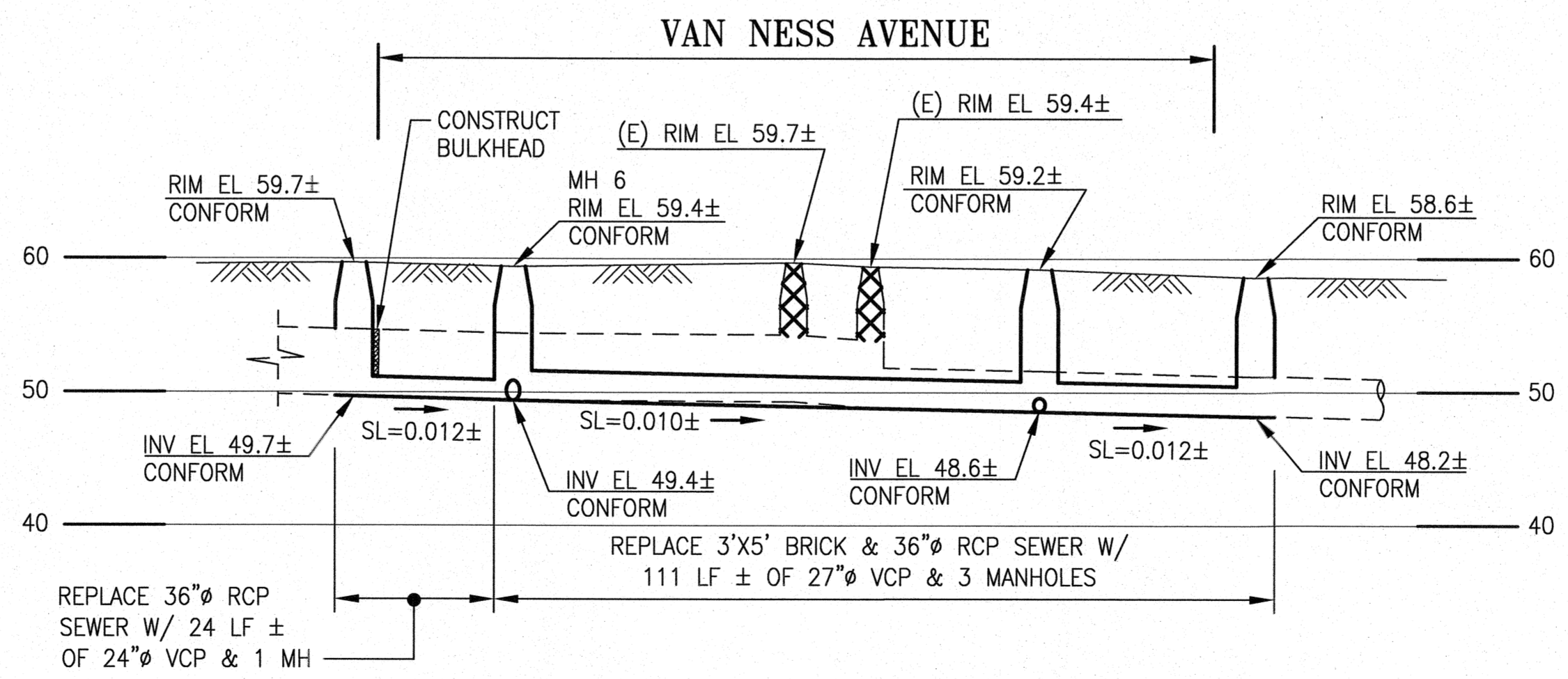
ELEVATION DATUM CITY



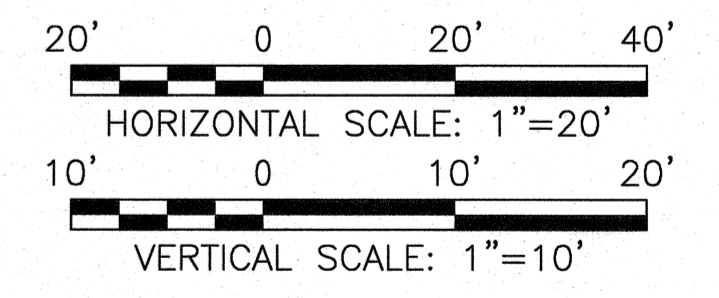
PROFILE A
SCALE: HORIZ 1"=20'
VERT 1"=10'



PROFILE B
SCALE: HORIZ 1"=20'
VERT 1"=10'



PROFILE C (LOOKING NORTH)
SCALE: HORIZ 1"=20'
VERT 1"=10'



CONTRACT NO. 1289

CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
ENGINEERING MANAGEMENT BUREAU

MUNI BUS RAPID TRANSIT SYSTEM
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT
VAN NESS AVENUE SEWER WORK
CTL 133+50 TO 138+00
PROFILE

REFERENCES
GATE BOOK PAGES, PLANS,
SURVEY NOTES, ETC., USED
64,871
71,103
A-27702
A-29190



CITY AND COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
DESIGN & ENGINEERING

SECTION MANAGER: *[Signature]* 10/21/2016
DEPUTY DIVISION MANAGER: *[Signature]*
DESIGNED: A.MOMBENI 09/2016
CHECKED: C.HSIEH 09/2016
L.WONG 09/2016

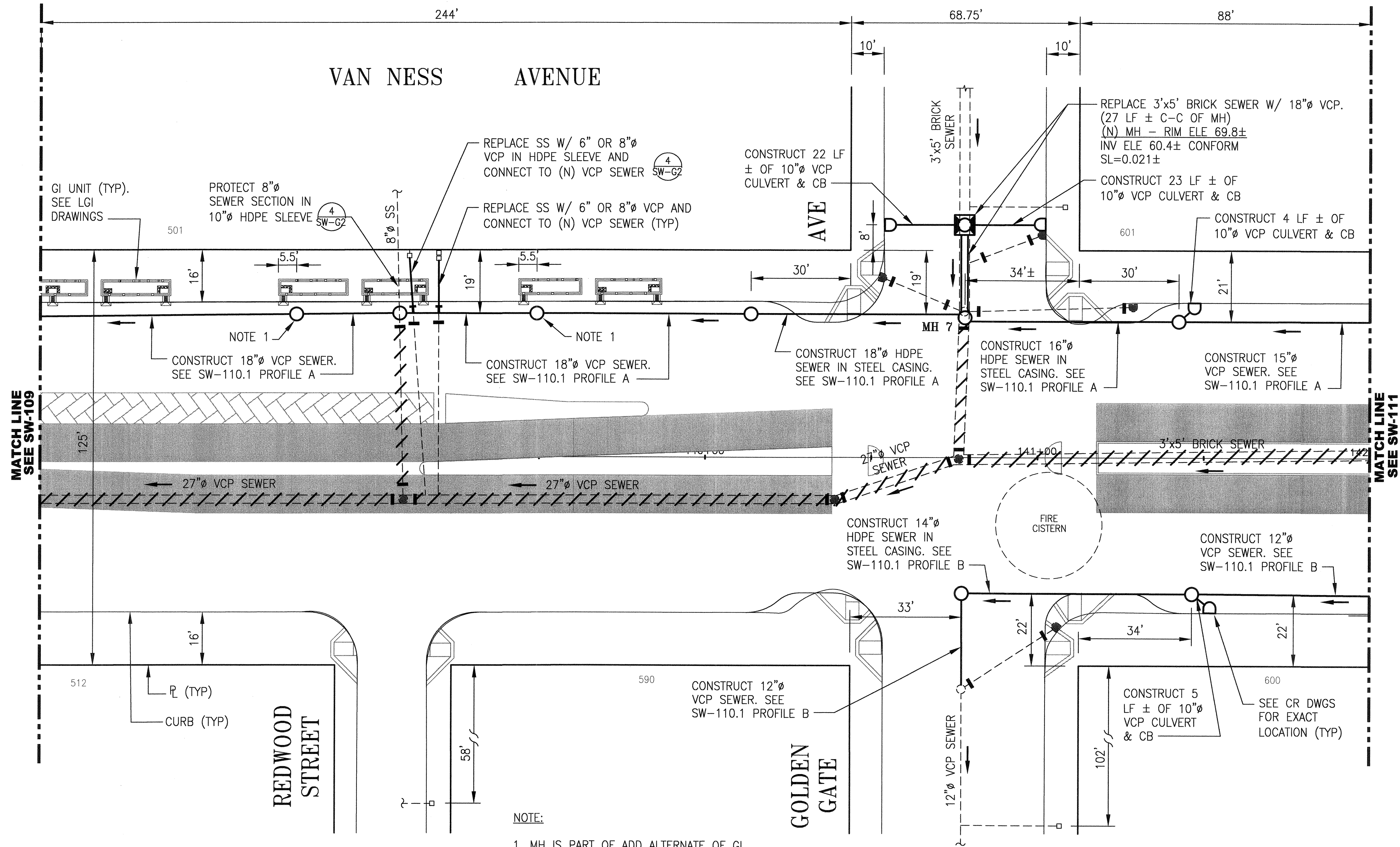
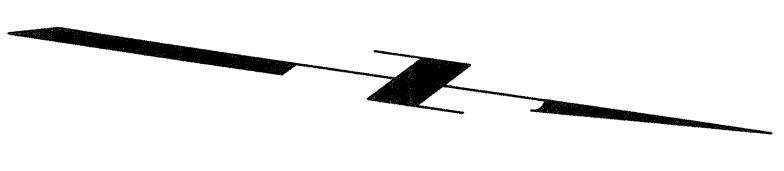
NO.	DATE	DESCRIPTION	BY	APPR'D
REVISIONS				

SECTION MANAGER	CHECKED	DRAWN	SCALE
DIVISION MANAGER	RECOMMENDED	DESIGNED	DATE

APPROVED: *[Signature]*
MANAGER: *[Signature]*
ASSISTANT GENERAL MANAGER
WASTEWATER ENTERPRISE

SHEET	OF	PLAN NO.	DRAWING NO.	REVISION NO.
102,729	SW-109.1	0		

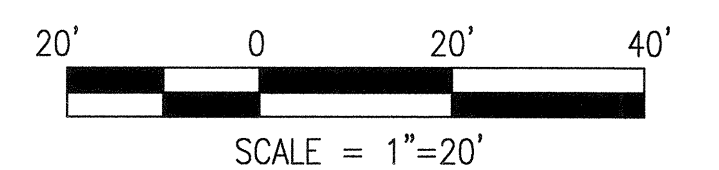
ELEVATION
DATUM
CITY



MATCH LINE
SEE SW-109

MATCH LINE
SEE SW-111

NOTE:
1. MH IS PART OF ADD ALTERNATE OF GI WORK. CONFIRM WITH CITY REPRESENTATIVE WHETHER WORK SHALL BE INCLUDED.

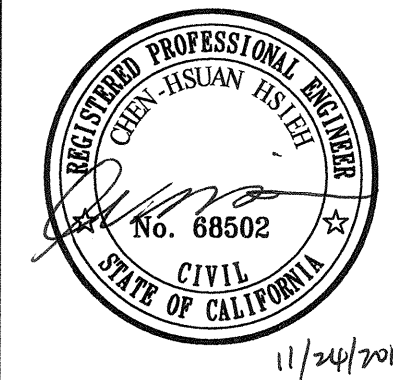


CONTRACT NO. 1289

CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
ENGINEERING MANAGEMENT BUREAU

MUNI BUS RAPID TRANSIT SYSTEM
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT
VAN NESS AVENUE SEWER REPLACEMENT
CTL 138+00 TO 142+00
PLAN

REFERENCES
GATE BOOK PAGES, PLANS,
SURVEY NOTES, ETC. USED
71,103



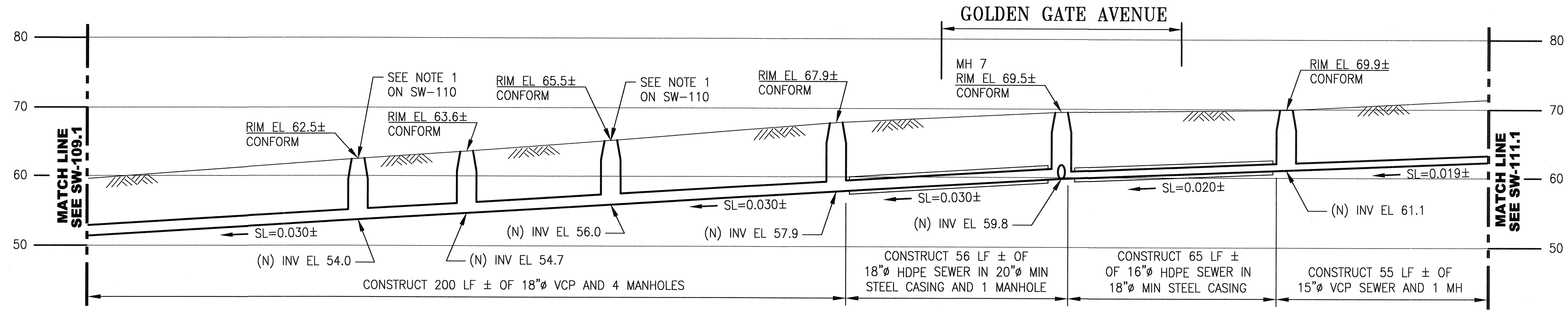
ELEVATION
DATUM
CITY

CITY AND COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
DESIGN & ENGINEERING

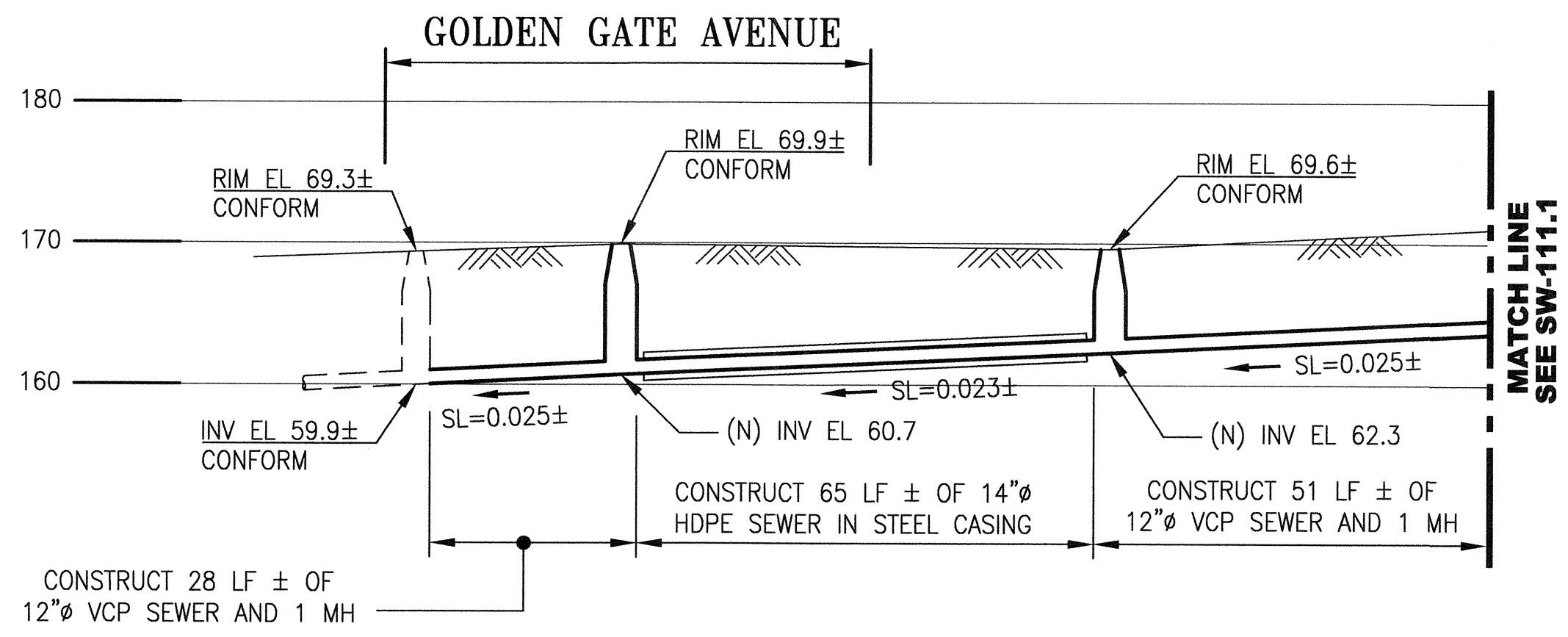
SECTION MANAGER <i>[Signature]</i>	DRAWN A. MOMBENI 11/2015
DEPUTY DIVISION MANAGER <i>[Signature]</i>	DESIGNED C. HSIEH 11/2015
DIVISION MANAGER <i>[Signature]</i>	CHECKED L. WONG 11/2015

NO.	DATE	DESCRIPTION	BY	APPR'D
REVISIONS				

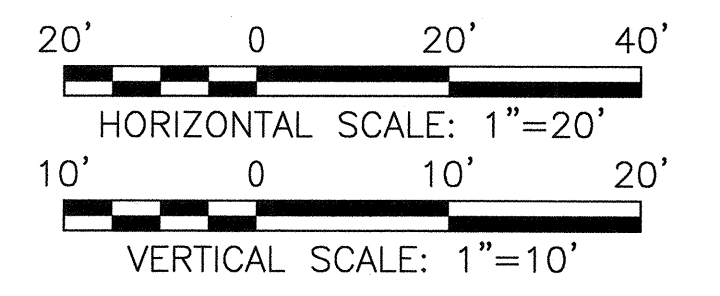
SECTION MANAGER	CHECKED	DRAWN	SCALE
DIVISION MANAGER	RECOMMENDED	DESIGNED	AS NOTED
APPROVED <i>[Signature]</i>	APPROVED <i>[Signature]</i>	DATE	DATE
MANAGER	ASSISTANT GENERAL MANAGER WASTEWATER ENTERPRISE	PLANNING	REVISION NO.
SHEET OF	PLAN NO.	DRAWING NO.	REVISION NO.
102,730	SW-110	0	0



PROFILE A
SCALE: HORIZ 1"=20'
VERT 1"=10'



PROFILE B
SCALE: HORIZ 1"=20'
VERT 1"=10'

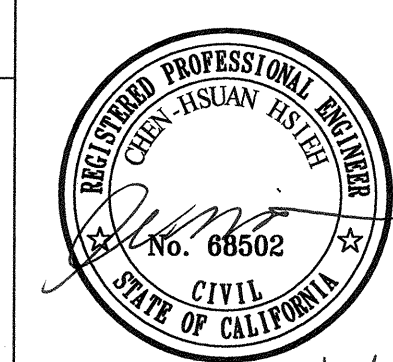


CONTRACT NO. 1289

CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
ENGINEERING MANAGEMENT BUREAU

MUNI BUS RAPID TRANSIT SYSTEM
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT
VAN NESS AVENUE SEWER WORK
CTL 138+00 TO 142+00
PROFILE

REFERENCES
GATE BOOK PAGES, PLANS,
SURVEY NOTES, ETC, USED
71,103



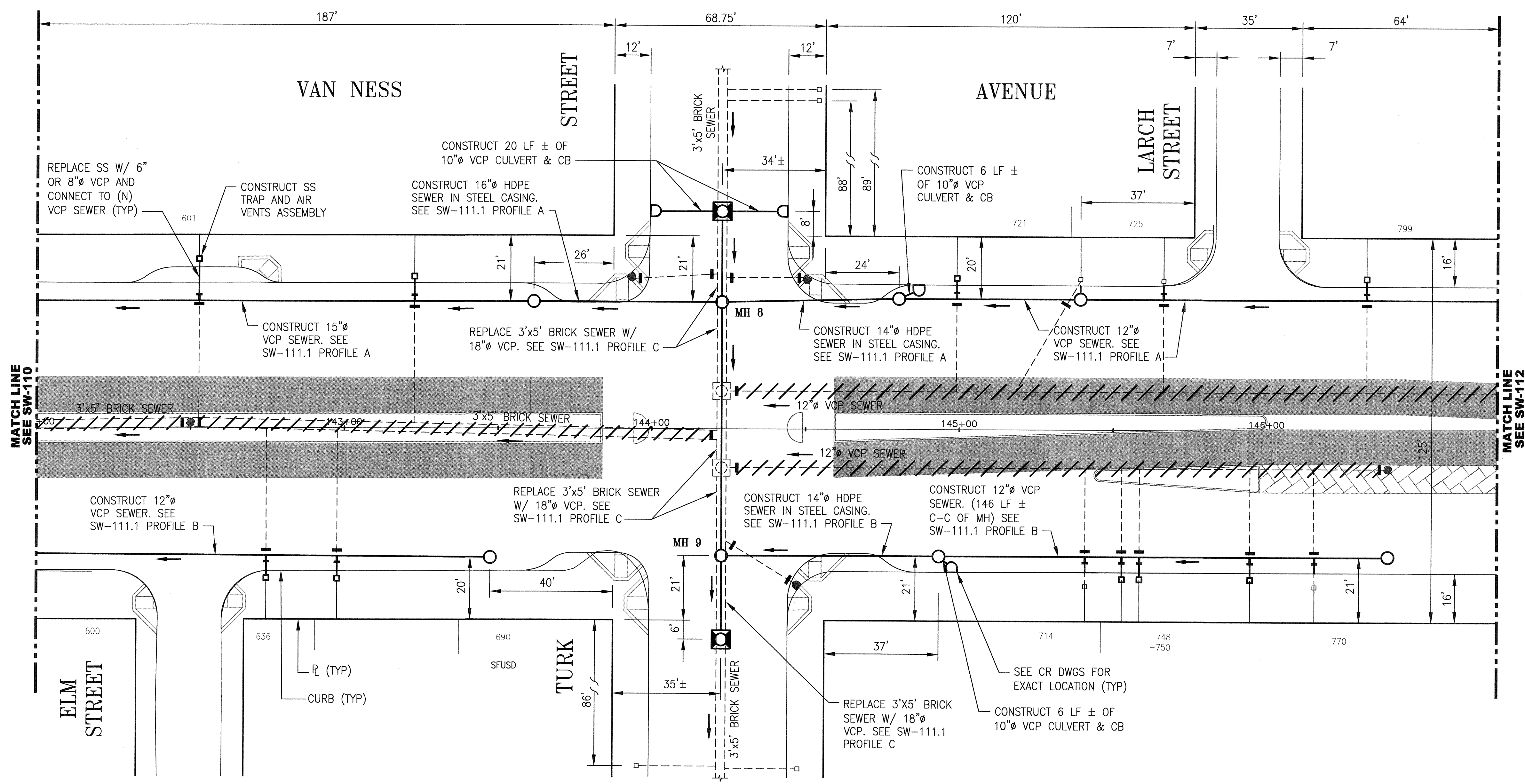
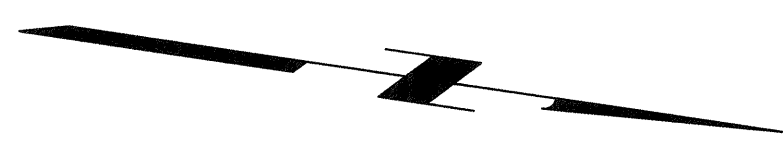
CITY AND COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
DESIGN & ENGINEERING

SECTION MANAGER <i>[Signature]</i> 11/24/15	DRAWN A. MOMBENI 11/2015
DEPUTY DIVISION MANAGER <i>[Signature]</i> 11/25/15	DESIGNED C. HSIEH 11/2015
DIVISION MANAGER <i>[Signature]</i> 11/26/15	CHECKED L. WONG 11/2015

NO.	DATE	DESCRIPTION	BY	APPR'D
REVISIONS				

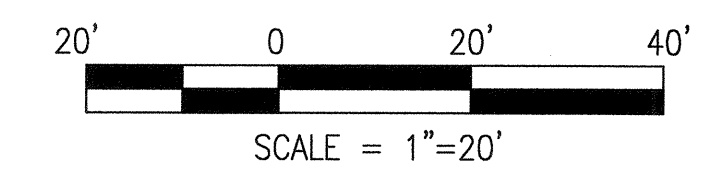
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DIVISION MANAGER	RECOMMENDED	DESIGNED	AS NOTED
APPROVED <i>[Signature]</i> MANAGER	APPROVED <i>[Signature]</i> ASSISTANT GENERAL MANAGER WASTEWATER ENTERPRISE	DATE	
SHEET OF	PLAN NO.	DRAWING NO.	REVISION NO.
	102,731	SW-110.1	0

ELEVATION
DATUM
CITY



MATCH LINE SEE SW-110

MATCH LINE SEE SW-112



CONTRACT NO. 1289

CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
 ENGINEERING MANAGEMENT BUREAU

MUNI BUS RAPID TRANSIT SYSTEM
 VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT
VAN NESS AVENUE SEWER REPLACEMENT
 CTL 142+00 TO 146+75
 PLAN

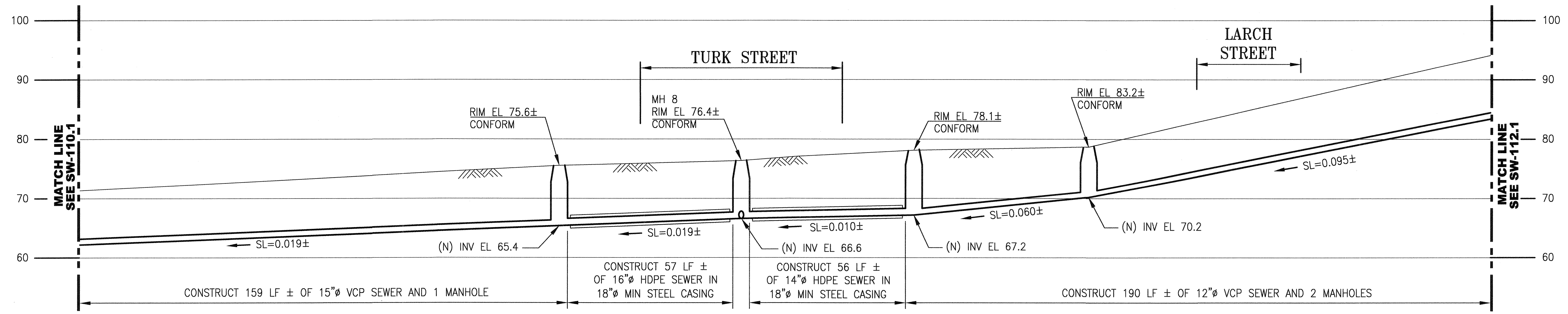
REFERENCES
 GATE BOOK PAGES, PLANS, SURVEY NOTES, ETC., USED
 86,262



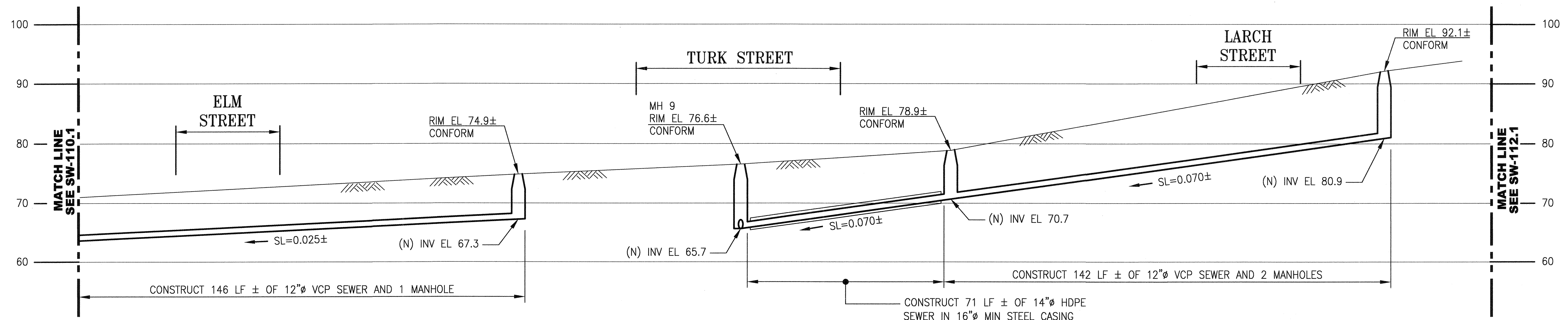
CITY AND COUNTY OF SAN FRANCISCO SAN FRANCISCO PUBLIC WORKS DESIGN & ENGINEERING	
SECTION MANAGER <i>[Signature]</i> 11/24/15	DRAWN A. MOMBENI 11/2015
QUALITY DIVISION MANAGER <i>[Signature]</i> 11/25/15	DESIGNED C. HSIEH 11/2015
DIVISION MANAGER <i>[Signature]</i> 11/24/15	CHECKED L. WONG 11/2015
NO.	DATE
DESCRIPTION	
BY	APPR'D
REVISIONS	

ELEVATION
 DATUM
 CITY

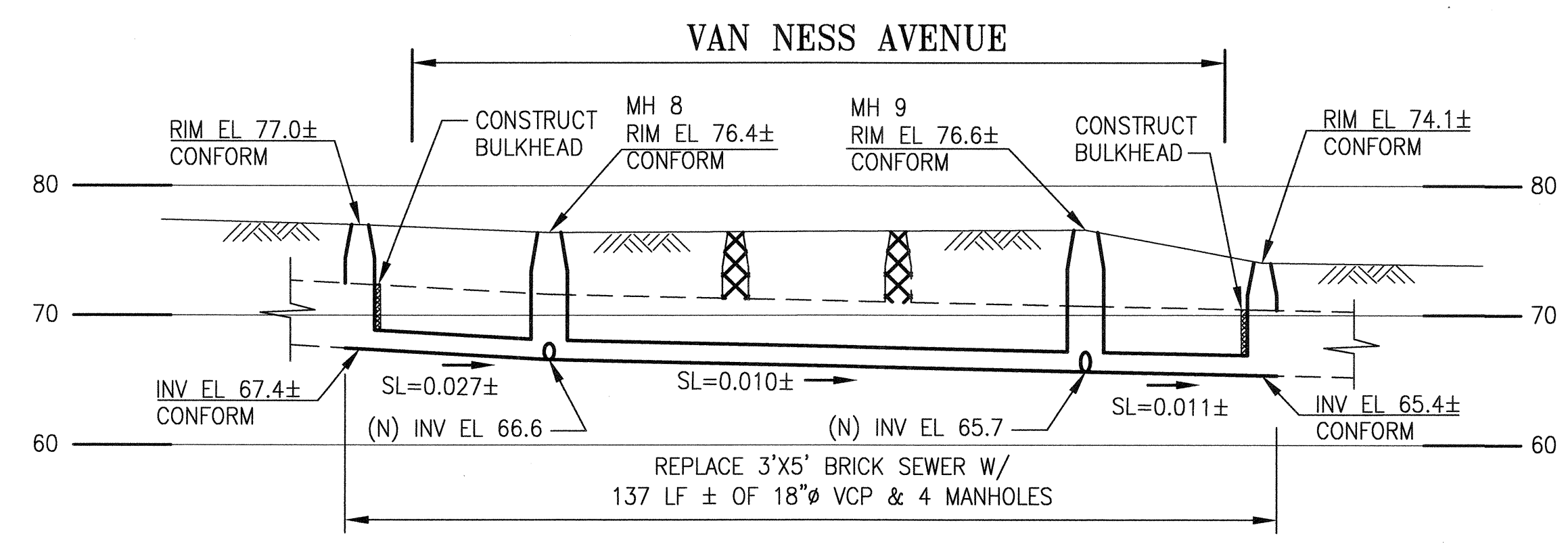
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DIVISION MANAGER	RECOMMENDED	DESIGNED	DATE
APPROVED <i>[Signature]</i> MANAGER		APPROVED <i>[Signature]</i> ASSISTANT GENERAL MANAGER WASTEWATER ENTERPRISE	
SHEET	OF	PLAN NO. DRAWING NO.	REVISION NO.
102,732	SW-111	0	



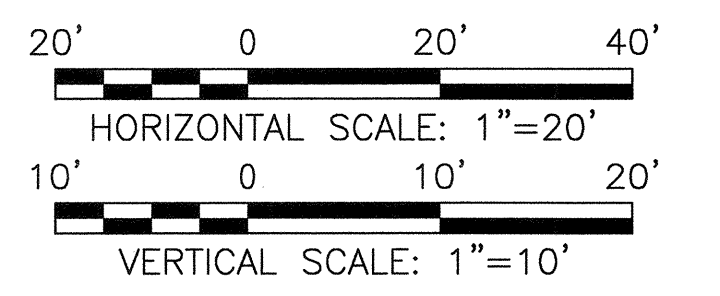
PROFILE A
SCALE: HORIZ 1"=20'
VERT 1"=10'



PROFILE B
SCALE: HORIZ 1"=20'
VERT 1"=10'



PROFILE C (LOOKING NORTH)
SCALE: HORIZ 1"=20'
VERT 1"=10'

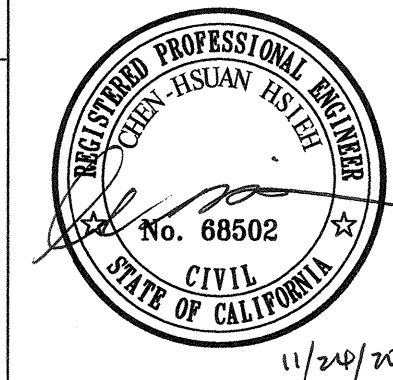


CONTRACT NO. 1289

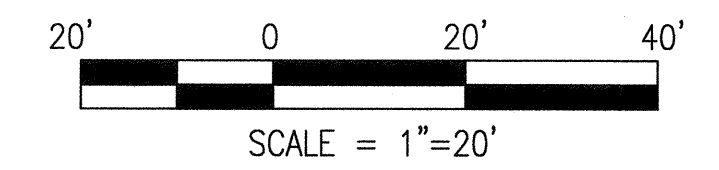
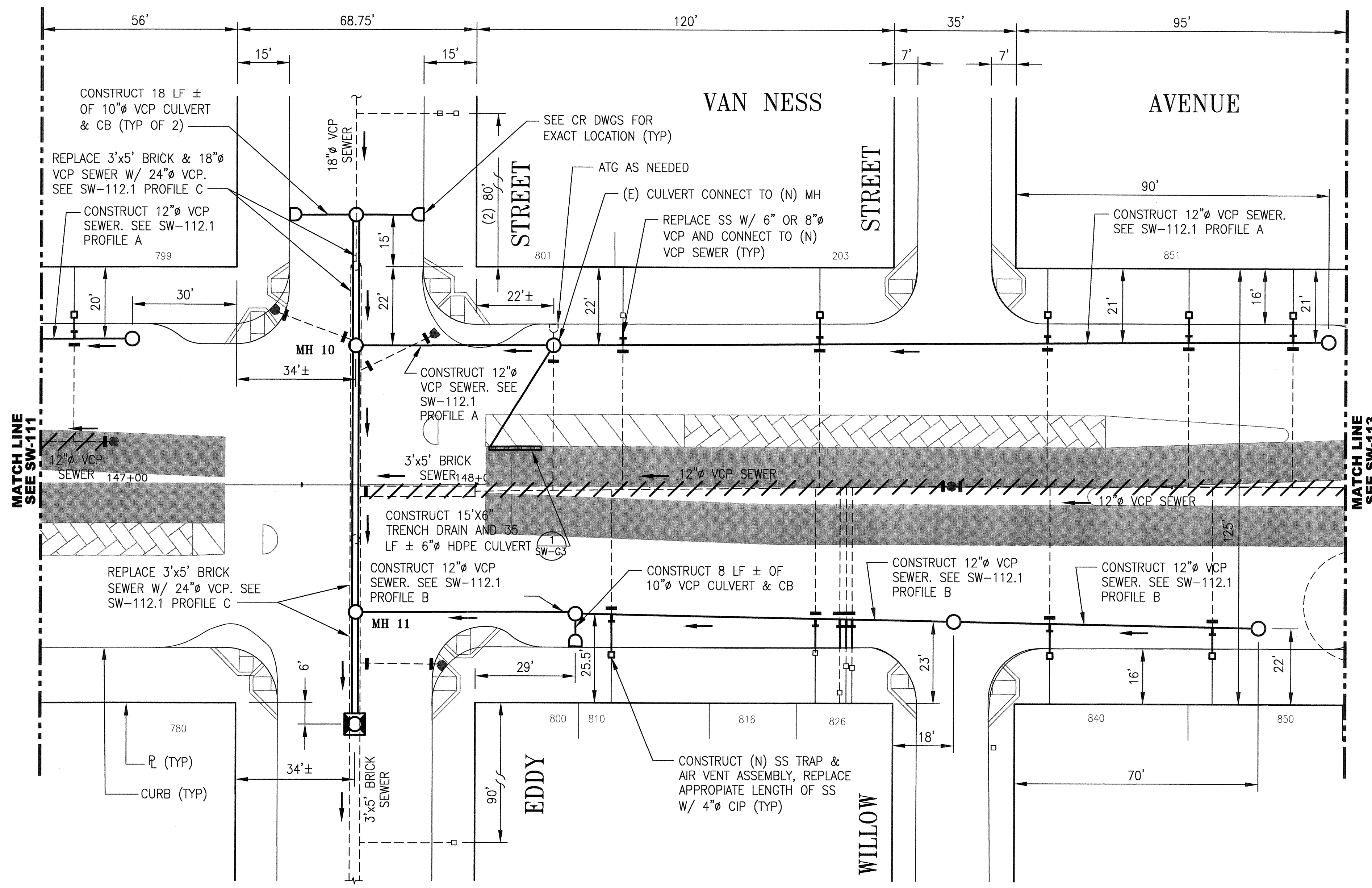
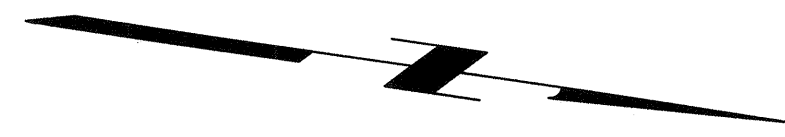
CITY AND COUNTY OF SAN FRANCISCO PUBLIC UTILITIES COMMISSION ENGINEERING MANAGEMENT BUREAU			
MUNI BUS RAPID TRANSIT SYSTEM VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT			
VAN NESS AVENUE SEWER WORK CTL 142+00 TO 146+75 PROFILE			
SECTION MANAGER	CHECKED	DRAWN	SCALE AS NOTED
DIVISION MANAGER	RECOMMENDED	DESIGNED	DATE
APPROVED MANAGER		APPROVED ASSISTANT GENERAL MANAGER WASTEWATER ENTERPRISE	
NO.	DATE	DESCRIPTION	BY APPR'D
REVISIONS			
SHEET	OF	PLAN NO.	DRAWING NO.
		102,733	SW-111.1
			REVISION NO.
			0

CITY AND COUNTY OF SAN FRANCISCO SAN FRANCISCO PUBLIC WORKS DESIGN & ENGINEERING	
SECTION MANAGER <i>[Signature]</i> 11/24/15	DRAWN A. MOMBENI 11/2015
DEPUTY DIVISION MANAGER <i>[Signature]</i> 11/25/15	DESIGNED C. HSIEH 11/2015
DIVISION MANAGER <i>[Signature]</i> 11/24/15	CHECKED L. WONG 11/2015

REFERENCES
GATE BOOK PAGES, PLANS,
SURVEY NOTES, ETC., USED
86,262



ELEVATION
DATUM
CITY



CONTRACT NO. 1289

CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
ENGINEERING MANAGEMENT BUREAU

MUNI BUS RAPID TRANSIT SYSTEM
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT
VAN NESS AVENUE SEWER REPLACEMENT
CTL 146+75 TO 150+50
PLAN

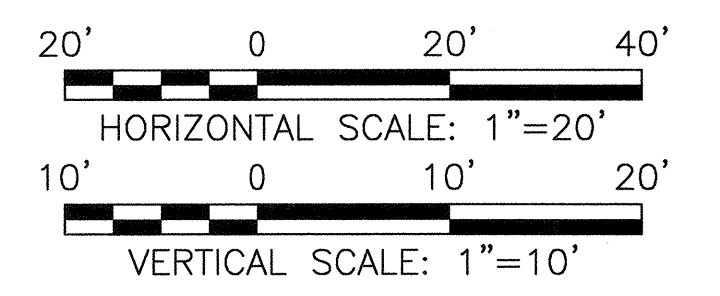
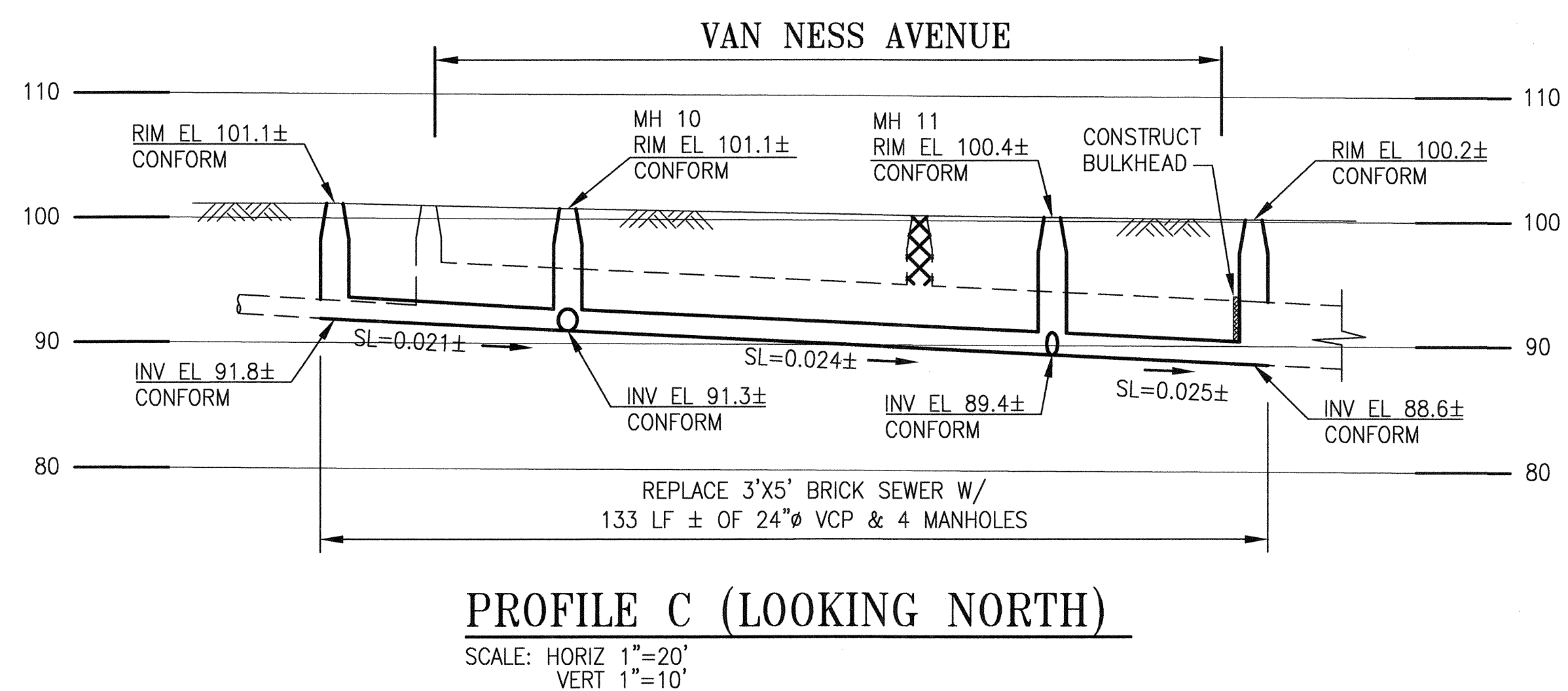
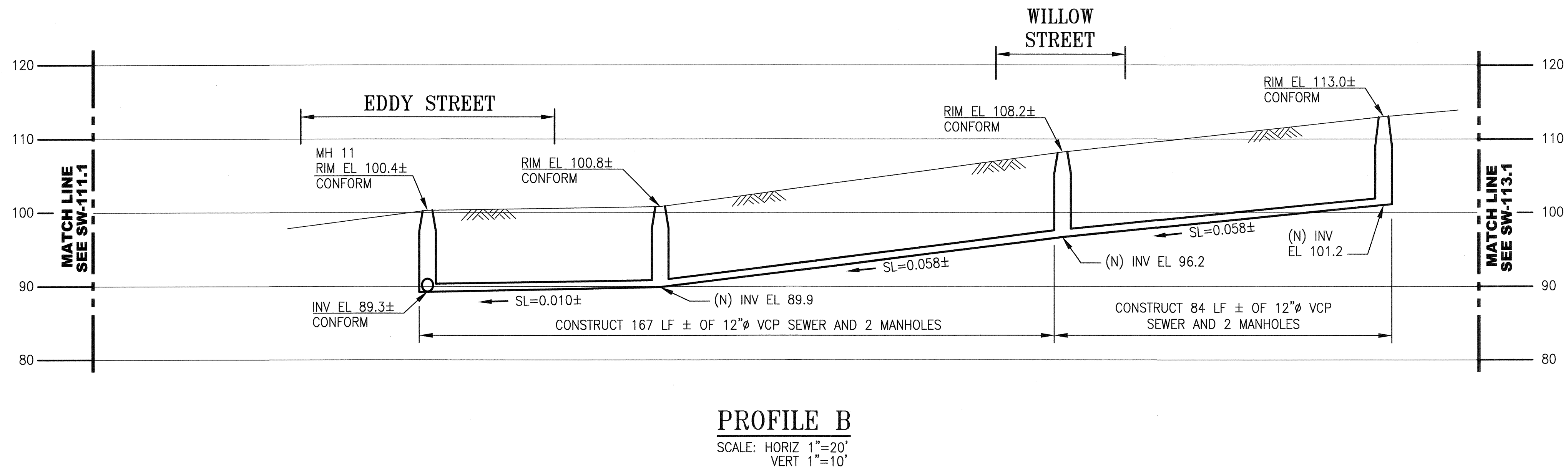
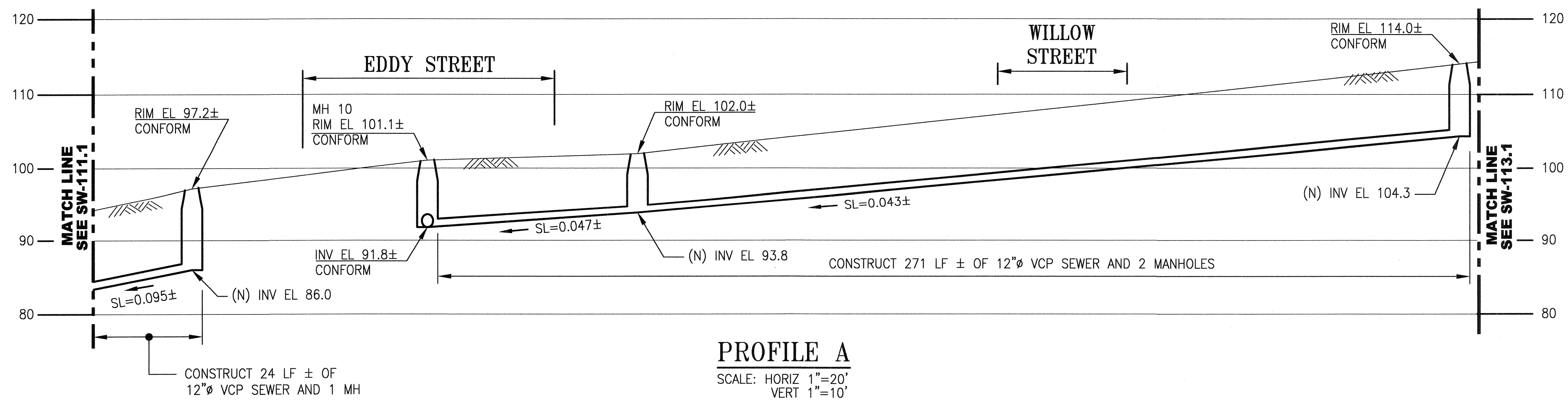
REFERENCES
GATE BOOK PAGES, PLANS,
SURVEY NOTES, ETC., USED
86,262
A-27761



CITY AND COUNTY OF SAN FRANCISCO SAN FRANCISCO PUBLIC WORKS DESIGN & ENGINEERING			
SECTION MANAGER <i>[Signature]</i> 11/24/15	DRAWN A. MOMBENI 11/20/15	CHECKED C. HSIEH 11/25/15	DESIGNED C. HSIEH 11/25/15
DEPUTY DIVISION MANAGER <i>[Signature]</i> 11/25/15	CHECKED L. WONG 11/20/15	DESIGNED L. WONG 11/20/15	DESIGNED L. WONG 11/20/15
DIVISION MANAGER <i>[Signature]</i> 11/20/15	CHECKED L. WONG 11/20/15	DESIGNED L. WONG 11/20/15	DESIGNED L. WONG 11/20/15
NO.	DATE	DESCRIPTION	BY
REVISIONS			

SECTION MANAGER <i>[Signature]</i>	CHECKED <i>[Signature]</i>	DRAWN <i>[Signature]</i>	SCALE AS NOTED
DIVISION MANAGER <i>[Signature]</i>	RECOMMENDED <i>[Signature]</i>	DESIGNED <i>[Signature]</i>	DATE
APPROVED <i>[Signature]</i> MANAGER		APPROVED <i>[Signature]</i> ASSISTANT GENERAL MANAGER WASTEWATER ENTERPRISE	
SHEET	OF	PLAN NO. DRAWING NO.	REVISION NO.
102,734	SW-112	0	

ELEVATION
DATUM
CITY



CONTRACT NO. 1289

CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
ENGINEERING MANAGEMENT BUREAU

MUNI BUS RAPID TRANSIT SYSTEM
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT
VAN NESS AVENUE SEWER WORK
CTL 146+75 TO 150+50
PROFILE

CITY AND COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
DESIGN & ENGINEERING

SECTION MANAGER <i>[Signature]</i>	DRAWN A.MOMBENI 11/2015
DEPUTY DIVISION MANAGER <i>[Signature]</i>	DESIGNED C.HSIEH 11/2015
DIVISION MANAGER <i>[Signature]</i>	CHECKED L.WONG 11/2015

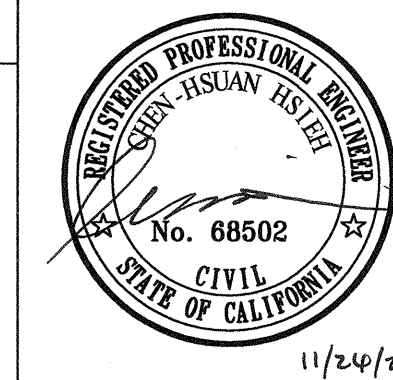
SECTION MANAGER	CHECKED	DRAWN	SCALE AS NOTED
DIVISION MANAGER	RECOMMENDED	DESIGNED	DATE

APPROVED
[Signature]
MANAGER

APPROVED
[Signature]
ASSISTANT GENERAL MANAGER
WASTEWATER ENTERPRISE

REFERENCES
GATE BOOK PAGES, PLANS,
SURVEY NOTES, ETC., USED

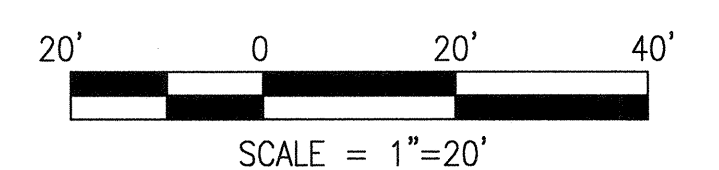
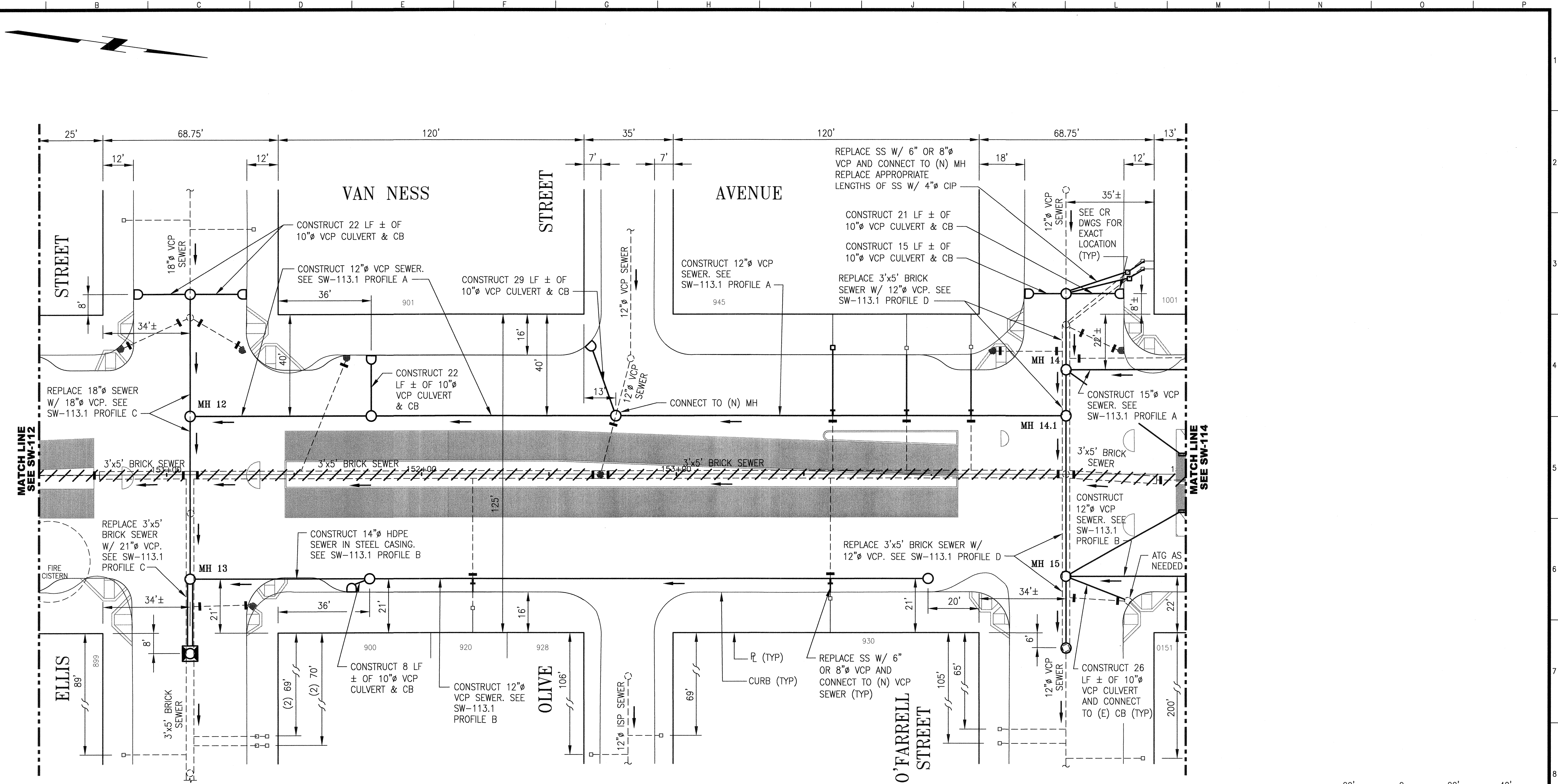
86,262
A-27761



ELEVATION DATUM CITY

NO.	DATE	DESCRIPTION	BY	APPR'D
REVISIONS				

SHEET OF	102,735	PLAN NO.	DRAWING NO.	REVISION NO.
			SW-112.1	0



CONTRACT NO. 1289

CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
ENGINEERING MANAGEMENT BUREAU

MUNI BUS RAPID TRANSIT SYSTEM
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT
VAN NESS AVENUE SEWER REPLACEMENT
CTL 150+50 TO 155+00
PLAN

CITY AND COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
DESIGN & ENGINEERING

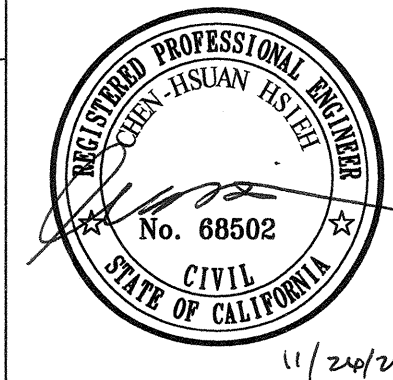
SECTION MANAGER <i>[Signature]</i>	DRAWN A. MOMBENI 11/11/2015
DEPUTY DIVISION MANAGER <i>[Signature]</i>	DESIGNED C. HSIEH 11/11/2015
DIVISION MANAGER <i>[Signature]</i>	CHECKED L. WONG 11/11/2015

SECTION MANAGER	CHECKED	DRAWN	SCALE AS NOTED
DIVISION MANAGER	RECOMMENDED	DESIGNED	DATE

APPROVED
[Signature] MANAGER
APPROVED
[Signature] ASSISTANT GENERAL MANAGER
WASTEWATER ENTERPRISE

REFERENCES
GATE BOOK PAGES, PLANS,
SURVEY NOTES, ETC. USED

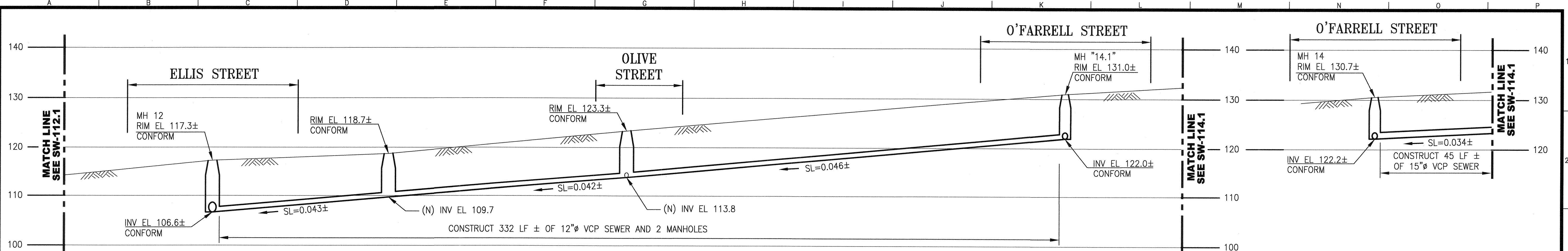
58,350
79,225



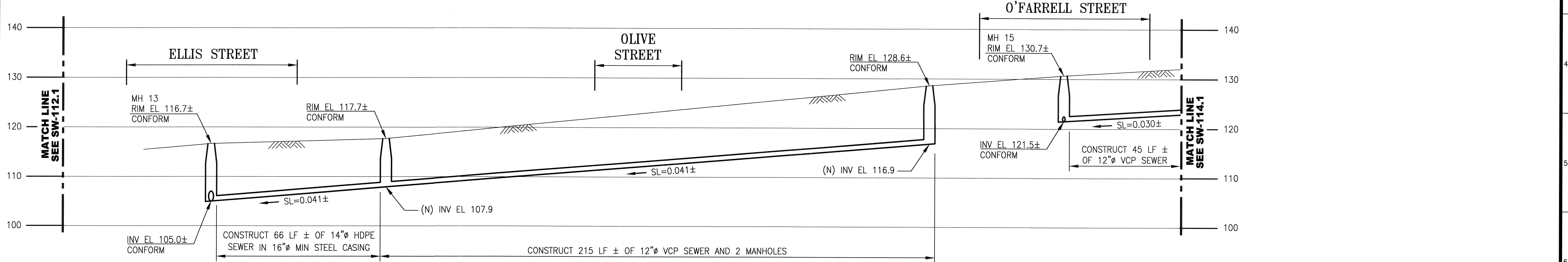
ELEVATION
DATUM
CITY

NO.	DATE	DESCRIPTION	BY	APPR'D
REVISIONS				

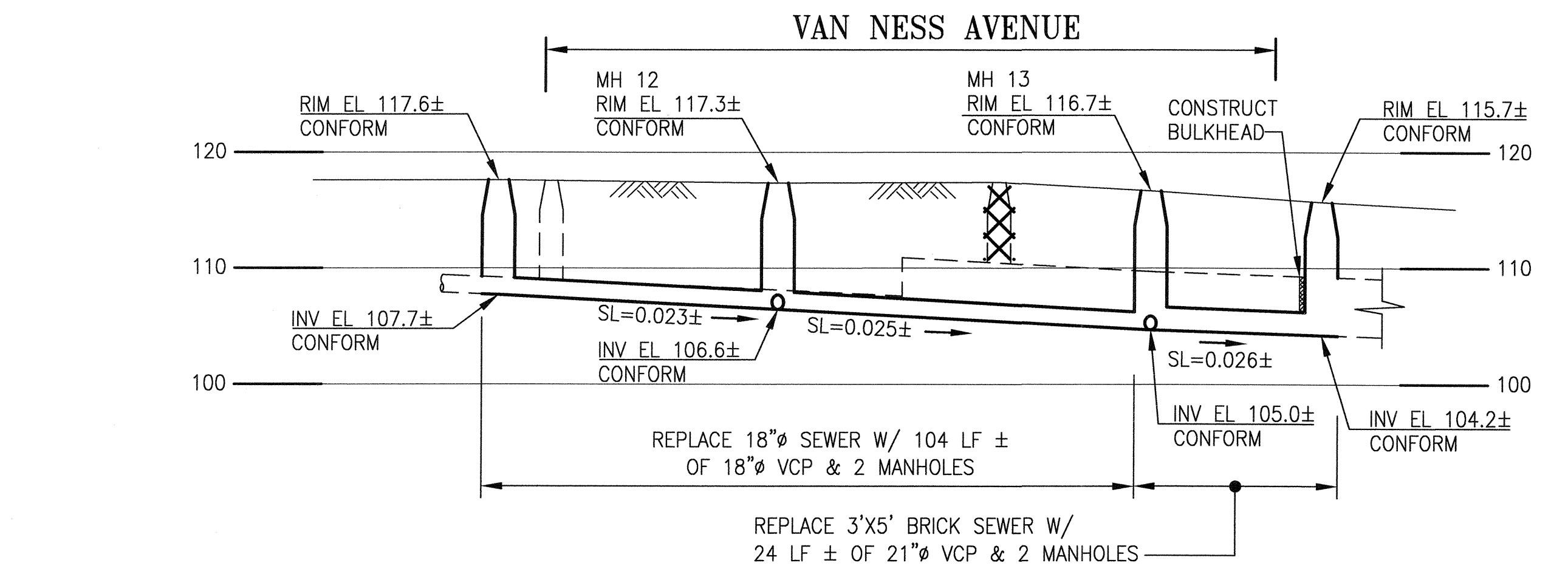
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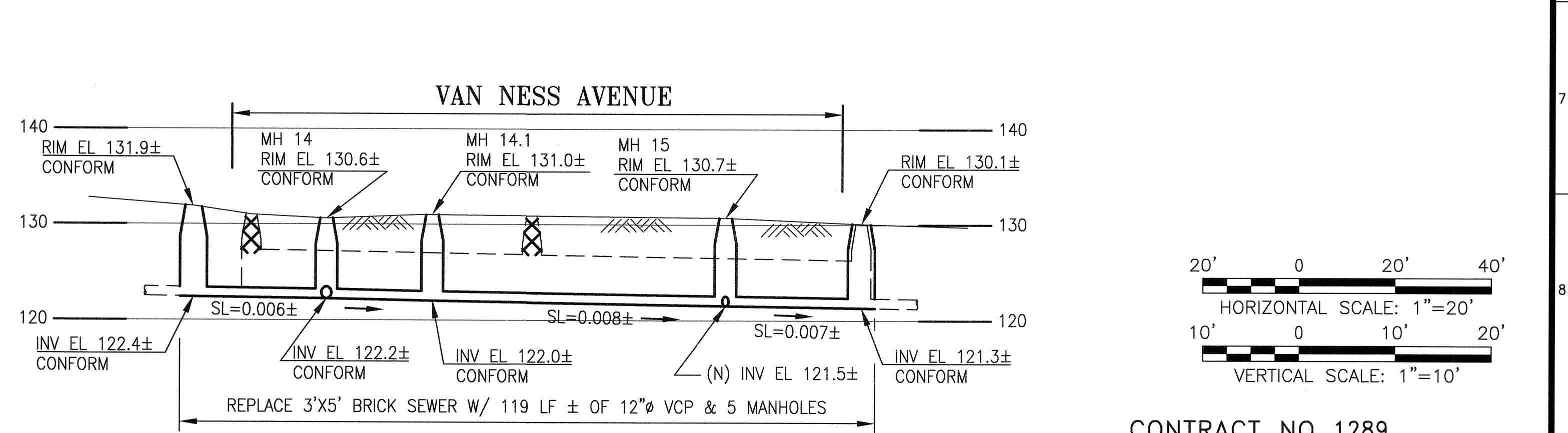
PROFILE A
SCALE: HORIZ 1"=20'
VERT 1"=10'



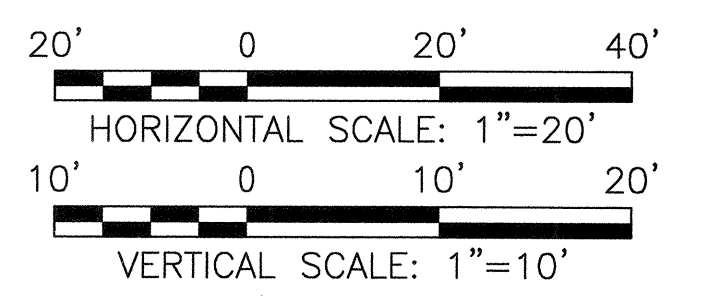
PROFILE B
SCALE: HORIZ 1"=20'
VERT 1"=10'



PROFILE C (LOOKING NORTH)
SCALE: HORIZ 1"=20'
VERT 1"=10'



PROFILE D (LOOKING NORTH)
SCALE: HORIZ 1"=20'
VERT 1"=10'

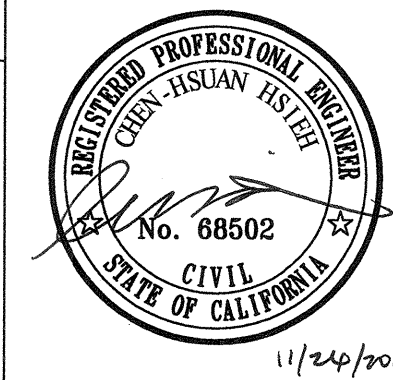


CONTRACT NO. 1289

CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
ENGINEERING MANAGEMENT BUREAU

MUNI BUS RAPID TRANSIT SYSTEM
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT
VAN NESS AVENUE SEWER WORK
CTL 150+50 TO 155+00
PROFILE

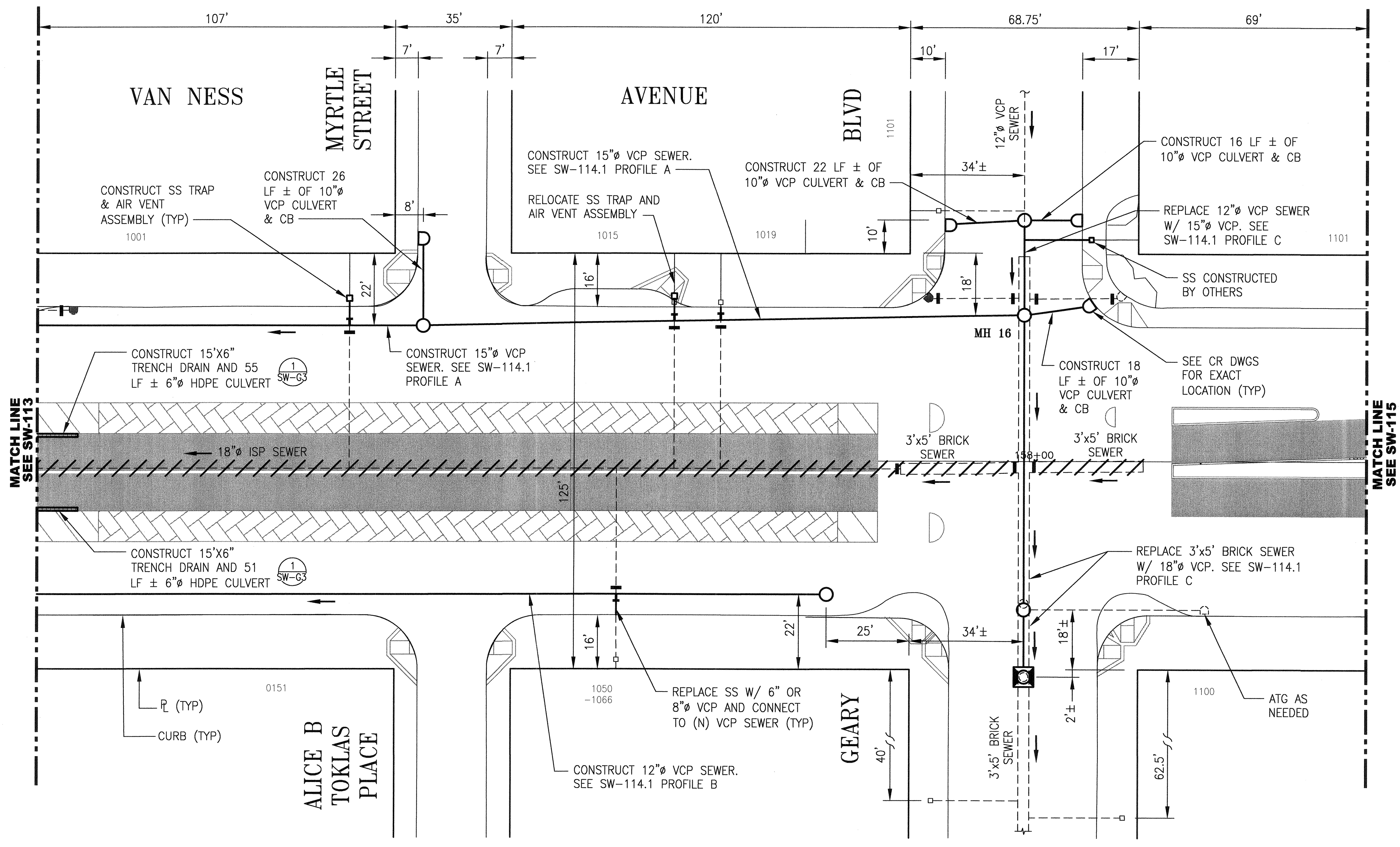
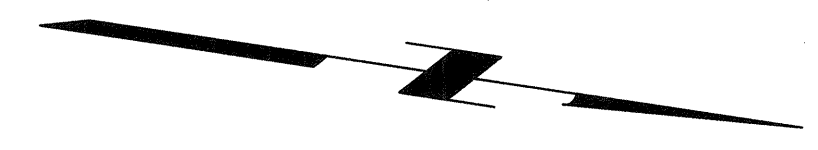
REFERENCES
GATE BOOK PAGES, PLANS,
SURVEY NOTES, ETC. USED
58,350
79,225



SECTION MANAGER <i>[Signature]</i> 11/24/15		DRAWN A. MOMBENI 11/2015		
DEPUTY DIVISION MANAGER <i>[Signature]</i> 11/25/15		DESIGNED C. HSIEH 11/2015		
DIVISION MANAGER <i>[Signature]</i> 11/20/15		CHECKED L. WONG 11/2015		
NO.	DATE	DESCRIPTION	BY	APPR'D
REVISIONS				

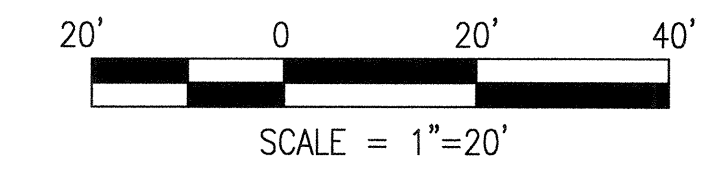
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DIVISION MANAGER	RECOMMENDED	DESIGNED	AS NOTED
APPROVED <i>[Signature]</i>	APPROVED <i>[Signature]</i>	DATE	DATE
MANAGER	ASSISTANT GENERAL MANAGER WASTEWATER ENTERPRISE	PLAN NO.	REVISION NO.
SHEET	OF	DRAWING NO.	0

ELEVATION
DATUM
CITY



MATCH LINE
SEE SW-113

MATCH LINE
SEE SW-115



CONTRACT NO. 1289

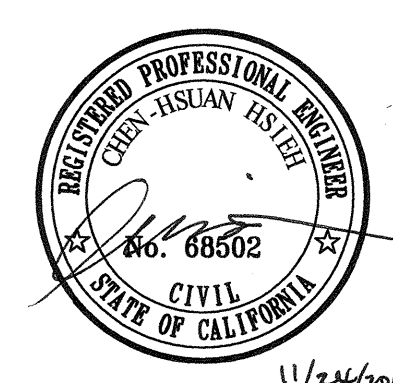
CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
ENGINEERING MANAGEMENT BUREAU

MUNI BUS RAPID TRANSIT SYSTEM
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT
VAN NESS AVENUE SEWER REPLACEMENT
CTL 155+00 TO 159+00
PLAN

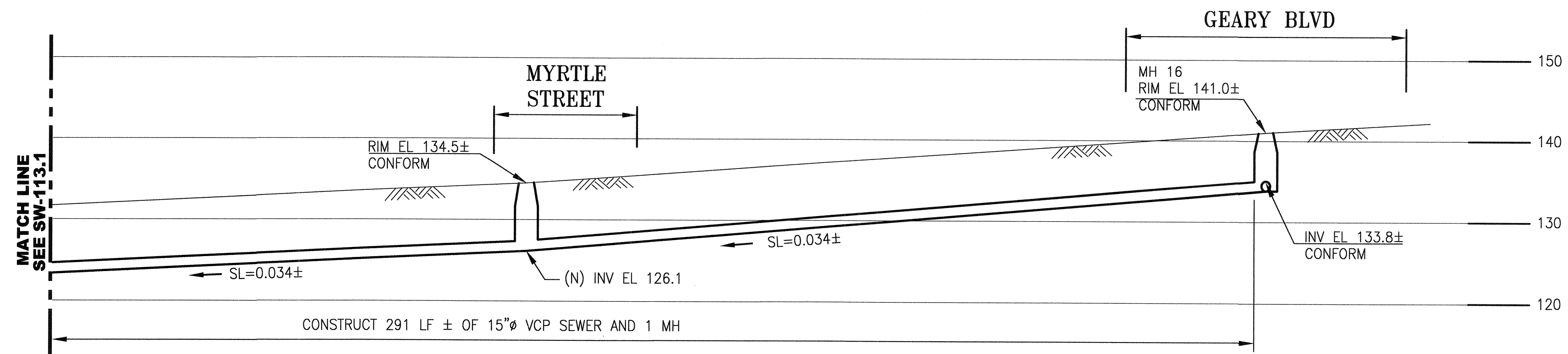
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DEPUTY DIVISION MANAGER <i>[Signature]</i> 11/25/15		DESIGNED C. HSIEH 11/2015		
DIVISION NUMBER 11/20/15		CHECKED L. WONG 11/2015		
NO.	DATE	DESCRIPTION	BY	APPR'D
REVISIONS				

SECTION MANAGER	CHECKED	DRAWN	SCALE AS NOTED
DIVISION MANAGER	RECOMMENDED	DESIGNED	DATE
APPROVED <i>[Signature]</i> MANAGER		APPROVED <i>[Signature]</i> ASSISTANT GENERAL MANAGER WASTEWATER ENTERPRISE	
SHEET	OF	PLAN NO. DRAWING NO.	REVISION NO.
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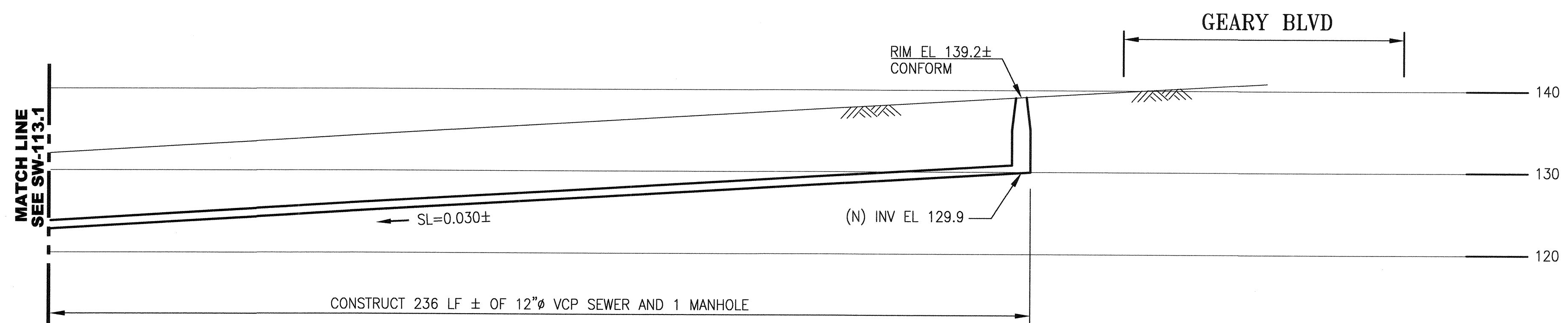
REFERENCES
GATE BOOK PAGES, PLANS,
SURVEY NOTES, ETC. USED



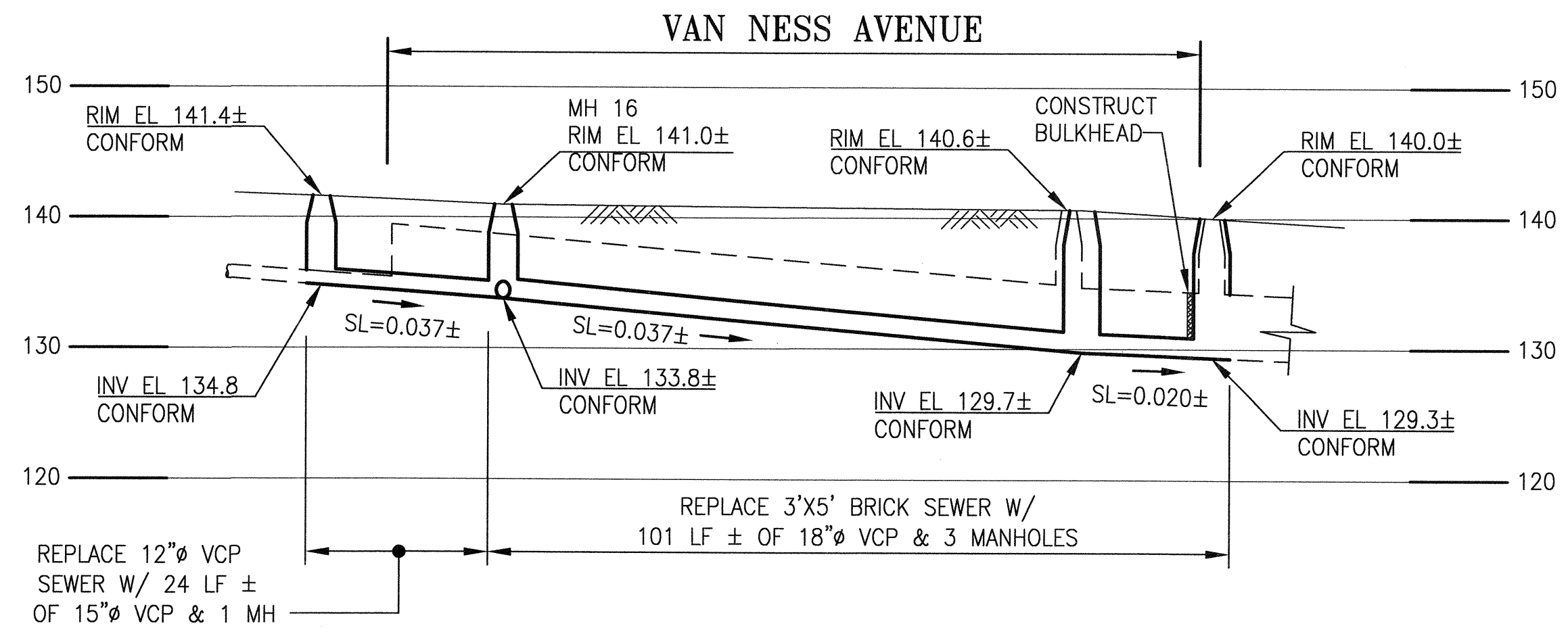
ELEVATION
DATUM
CITY



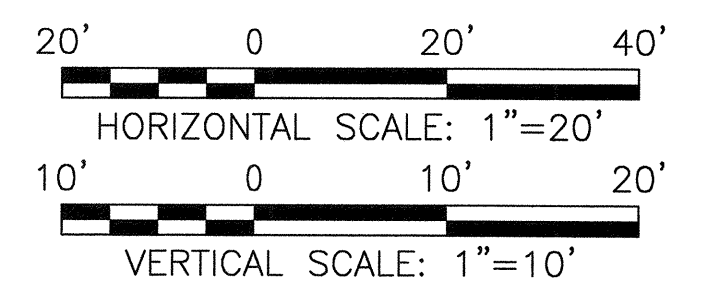
PROFILE A
SCALE: HORIZ 1"=20'
VERT 1"=10'



PROFILE B
SCALE: HORIZ 1"=20'
VERT 1"=10'



PROFILE C (LOOKING NORTH)
SCALE: HORIZ 1"=20'
VERT 1"=10'

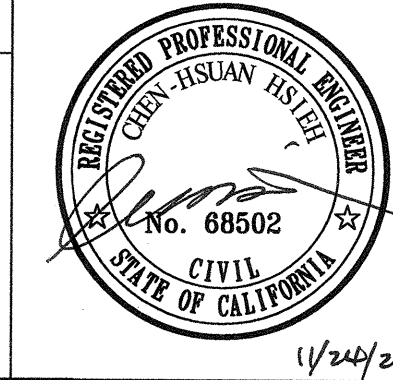


CONTRACT NO. 1289

CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
ENGINEERING MANAGEMENT BUREAU

MUNI BUS RAPID TRANSIT SYSTEM
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT
VAN NESS AVENUE SEWER WORK
CTL 155+00 TO 159+00
PROFILE

REFERENCES
GATE BOOK PAGES, PLANS,
SURVEY NOTES, ETC., USED



CITY AND COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
DESIGN & ENGINEERING

SECTION MANAGER <i>[Signature]</i> 11/24/15	DRAWN A. MOMBENI 11/2015
DEPUTY DIVISION MANAGER <i>[Signature]</i> 11/25/15	DESIGNED C. HSIEH 11/2015
DIVISION MANAGER <i>[Signature]</i> 11/20/15	CHECKED L. WONG 11/2015

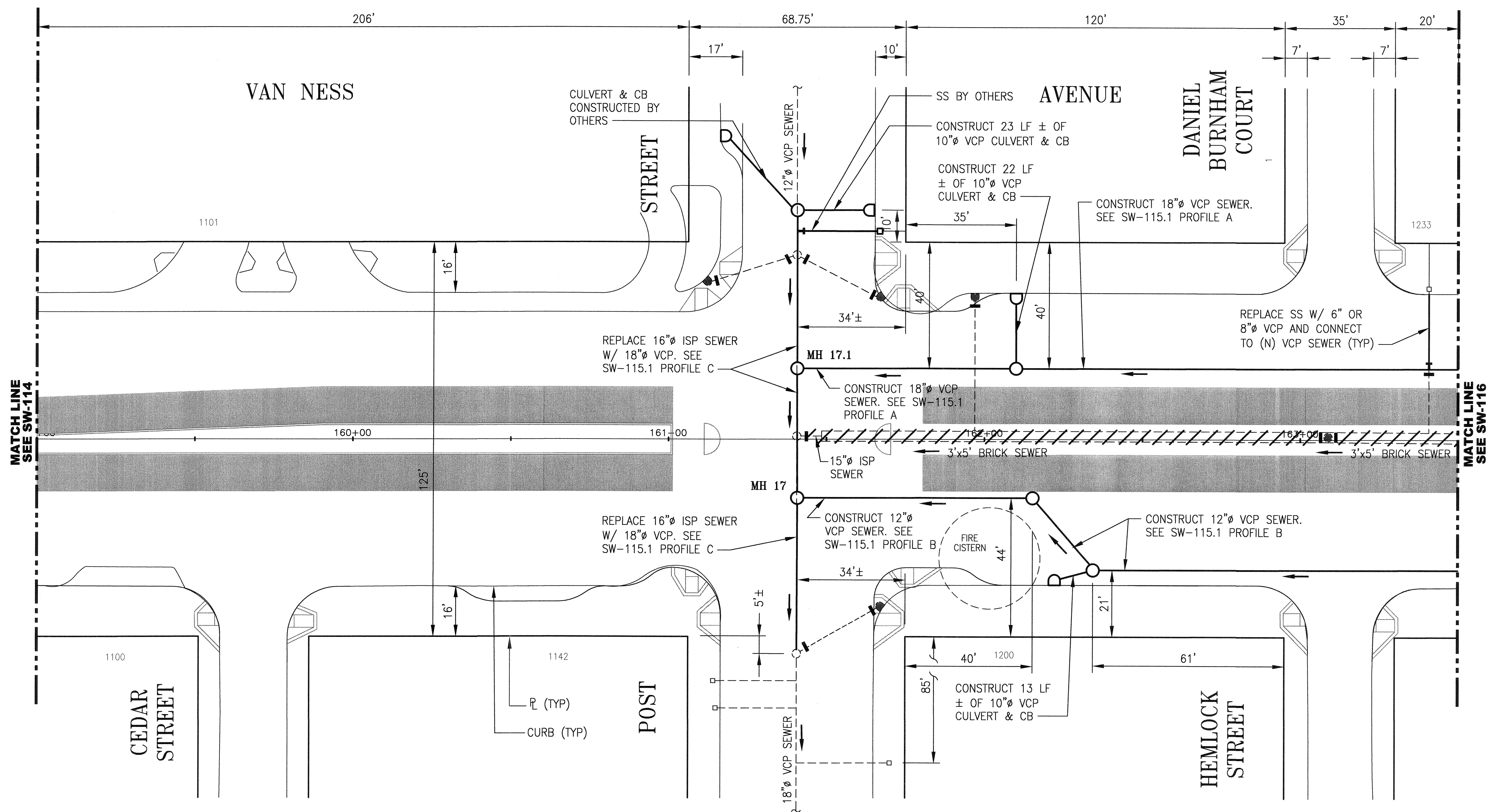
SECTION MANAGER	CHECKED	DRAWN	SCALE AS NOTED
DIVISION MANAGER	RECOMMENDED	DESIGNED	DATE

APPROVED: *[Signature]* MANAGER
APPROVED: *[Signature]* ASSISTANT GENERAL MANAGER
WASTEWATER ENTERPRISE

NO.	DATE	DESCRIPTION	BY	APPR'D
REVISIONS				

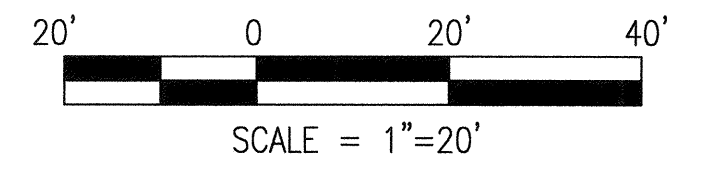
SHEET OF 102,739 SW-114.1 0

ELEVATION DATUM CITY



MATCH LINE
SEE SW-114

MATCH LINE
SEE SW-116

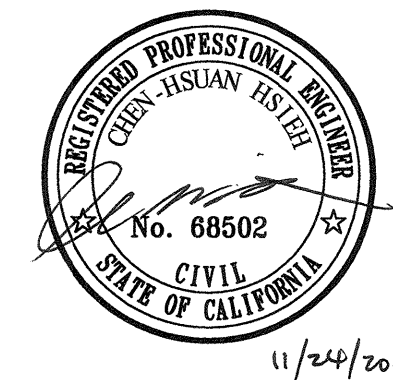


CONTRACT NO. 1289

CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
ENGINEERING MANAGEMENT BUREAU

MUNI BUS RAPID TRANSIT SYSTEM
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT
VAN NESS AVENUE SEWER REPLACEMENT
CTL 159+00 TO 163+50
PLAN

REFERENCES
GATE BOOK PAGES, PLANS,
SURVEY NOTES, ETC., USED
61,427



CITY AND COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
DESIGN & ENGINEERING

SECTION MANAGER <i>[Signature]</i> 11/24/15	DRAWN A. MOMBENI 11/2015
DESIGN DIVISION MANAGER <i>[Signature]</i> 11/25/15	DESIGNED C. HSIEH 11/2015
DIVISION MANAGER <i>[Signature]</i> 11/2015	CHECKED L. WONG 11/2015

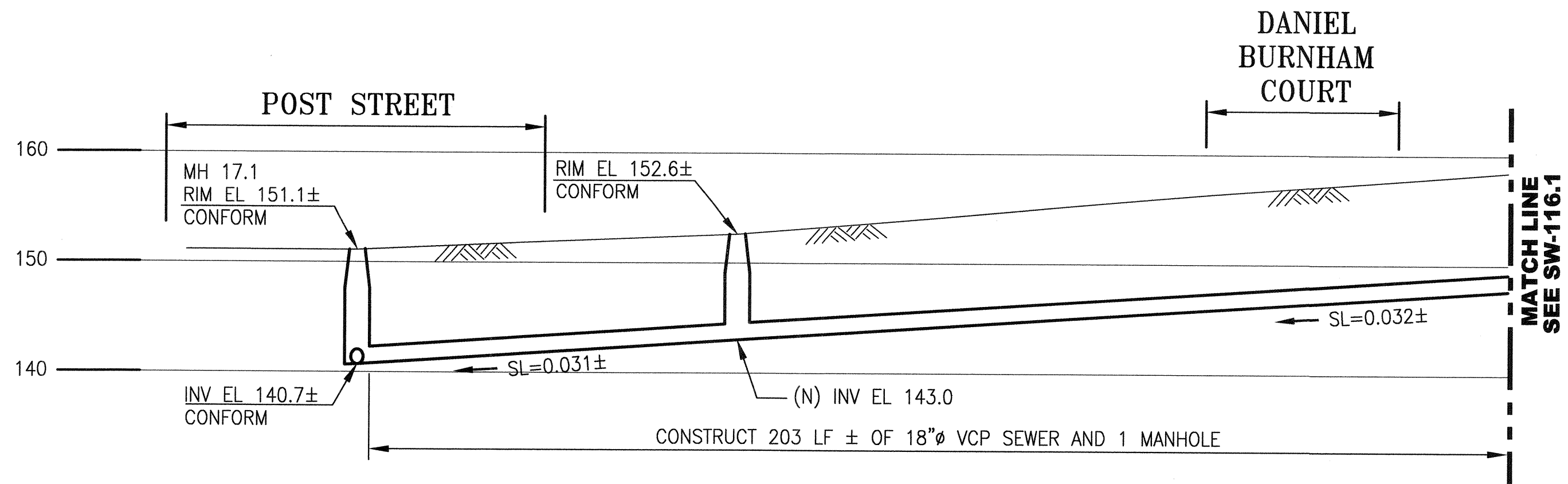
NO.	DATE	DESCRIPTION	BY	APPR'D
REVISIONS				

SECTION MANAGER	CHECKED	DRAWN	SCALE AS NOTED
DIVISION MANAGER	RECOMMENDED	DESIGNED	DATE

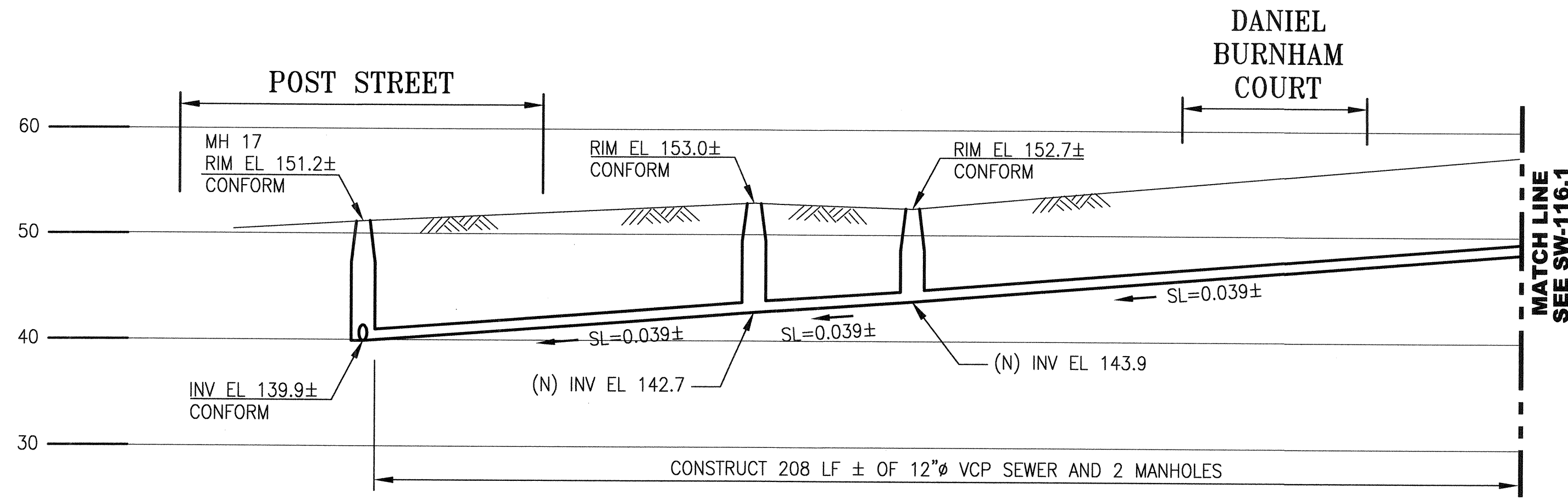
APPROVED: *[Signature]*
MANAGER
APPROVED: *[Signature]*
ASSISTANT GENERAL MANAGER
WASTEWATER ENTERPRISE

SHEET	OF	102,740	DRAWING NO.	SW-115	REVISION NO.	0
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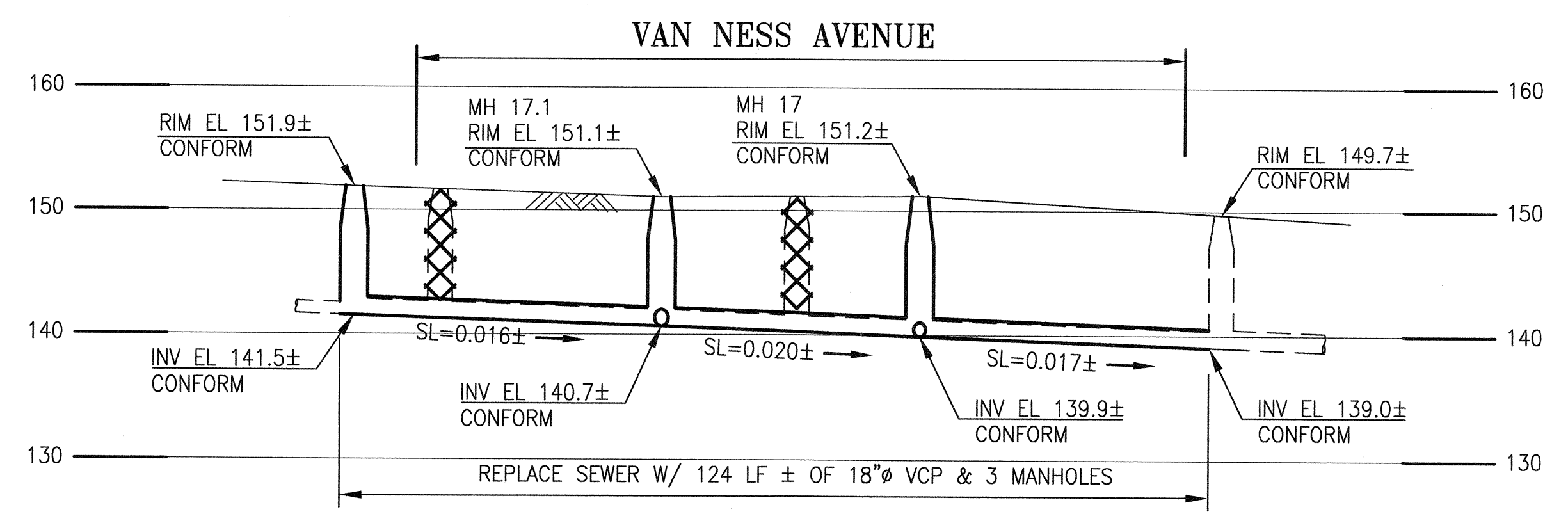
ELEVATION
DATUM
CITY



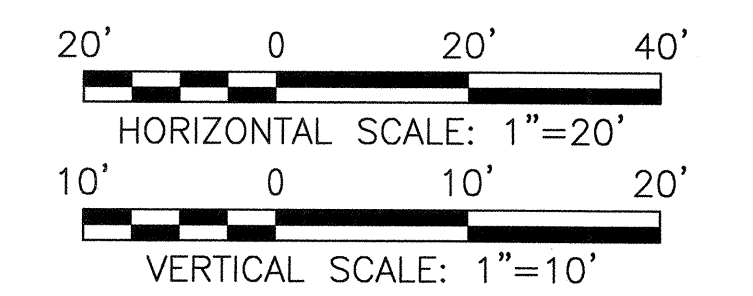
PROFILE A
SCALE: HORIZ 1"=20'
VERT 1"=10'



PROFILE B
SCALE: HORIZ 1"=20'
VERT 1"=10'



PROFILE C (LOOKING NORTH)
SCALE: HORIZ 1"=20'
VERT 1"=10'

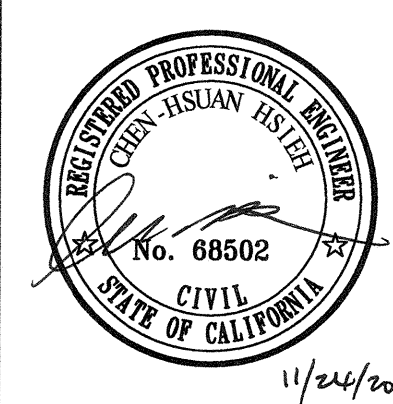


CONTRACT NO. 1289

CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
ENGINEERING MANAGEMENT BUREAU

MUNI BUS RAPID TRANSIT SYSTEM
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT
VAN NESS AVENUE SEWER WORK
CTL 159+00 TO 163+50
PROFILE

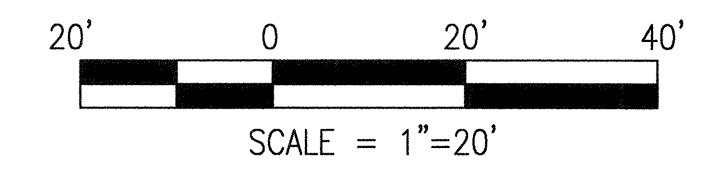
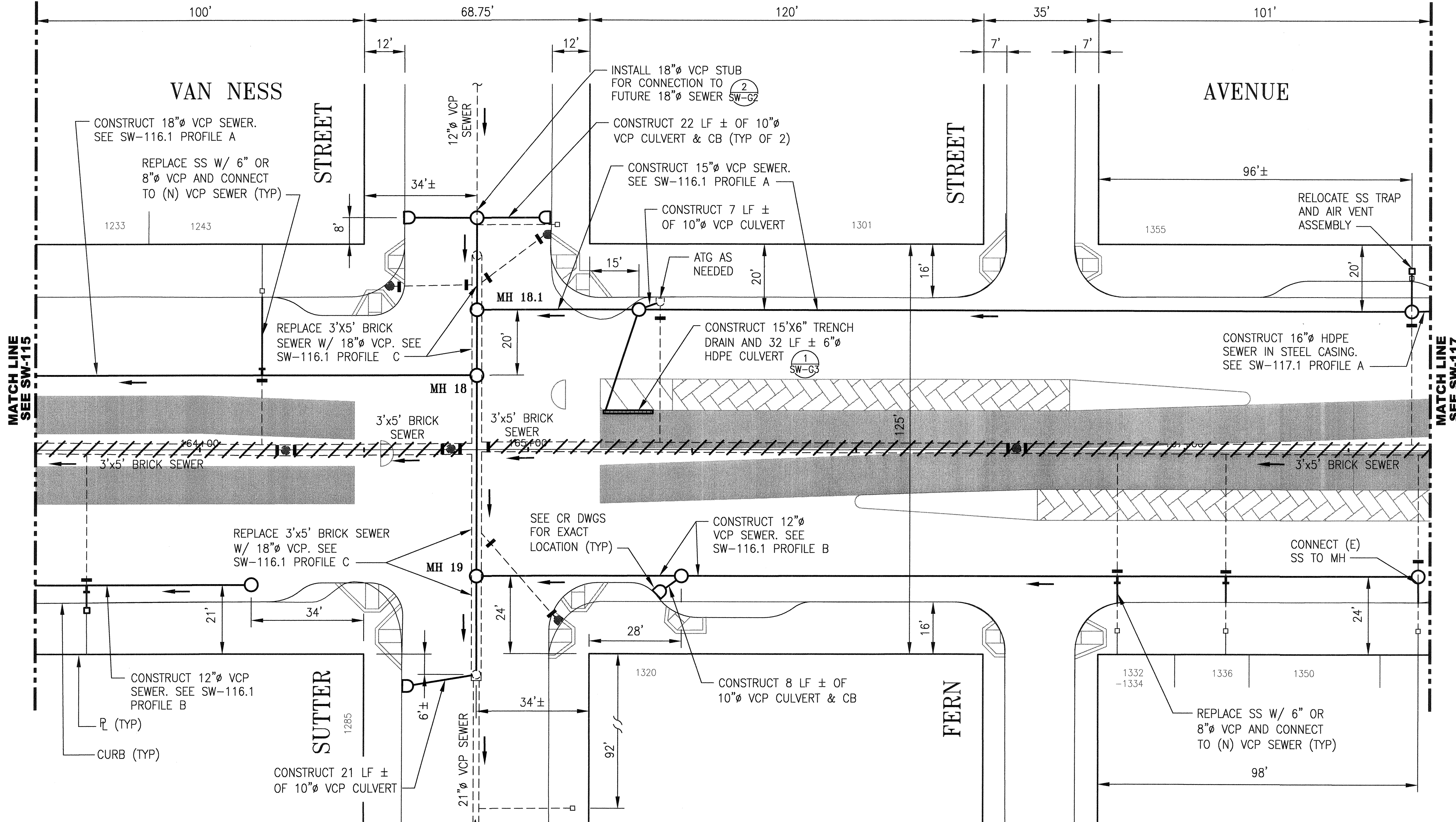
REFERENCES
GATE BOOK PAGES, PLANS,
SURVEY NOTES, ETC. USED
61,427



CITY AND COUNTY OF SAN FRANCISCO SAN FRANCISCO PUBLIC WORKS DESIGN & ENGINEERING	
SECTION MANAGER <i>Diary Noz</i> 11/24/15	DRAWN A. MOMBENI 11/11/2015
DEPUTY DIVISION MANAGER <i>Diary Noz</i> 11/25/15	DESIGNED C. HSIEH 11/11/2015
DIVISION MANAGER <i>Diary Noz</i> 11/24/15	CHECKED L. WONG 11/11/2015
NO. DATE DESCRIPTION BY APPR'D	
REVISIONS	

SECTION MANAGER	CHECKED	DRAWN	SCALE AS NOTED
DIVISION MANAGER	RECOMMENDED	DESIGNED	DATE
APPROVED <i>[Signature]</i> MANAGER		APPROVED <i>[Signature]</i> ASSISTANT GENERAL MANAGER WATERWATER ENTERPRISE	
SHEET OF	PLAN NO.	DRAWING NO.	REVISION NO.
102,741	102,741	SW-115.1	0

ELEVATION DATUM CITY



CONTRACT NO. 1289

CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
ENGINEERING MANAGEMENT BUREAU

MUNI BUS RAPID TRANSIT SYSTEM
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT
VAN NESS AVENUE SEWER REPLACEMENT
CTL 163+50 TO 167+75
PLAN

REFERENCES
GATE BOOK PAGES, PLANS,
SURVEY NOTES, ETC., USED
73,362



CITY AND COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
DESIGN & ENGINEERING

SECTION MANAGER <i>[Signature]</i> 11/2015	DRAWN A. MOMBENI 11/2015
DEPUTY DIVISION MANAGER <i>[Signature]</i> 11/2015	DESIGNED C. HSIEH 11/2015
DIVISION MANAGER <i>[Signature]</i> 11/2015	CHECKED L. WONG 11/2015

SECTION MANAGER	CHECKED	DRAWN	SCALE AS NOTED
DIVISION MANAGER	RECOMMENDED	DESIGNED	DATE

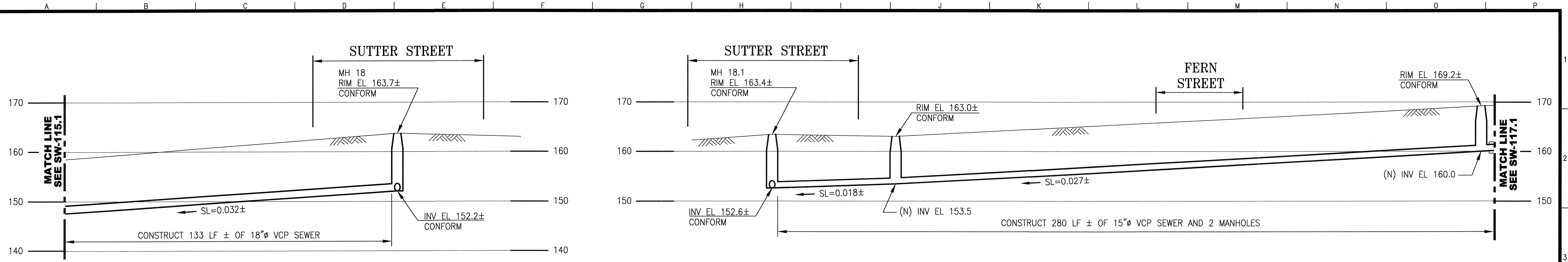
APPROVED
[Signature]
MANAGER

APPROVED
[Signature]
ASSISTANT GENERAL MANAGER
WASTEWATER ENTERPRISE

NO.	DATE	DESCRIPTION	BY	APPR'D
REVISIONS				

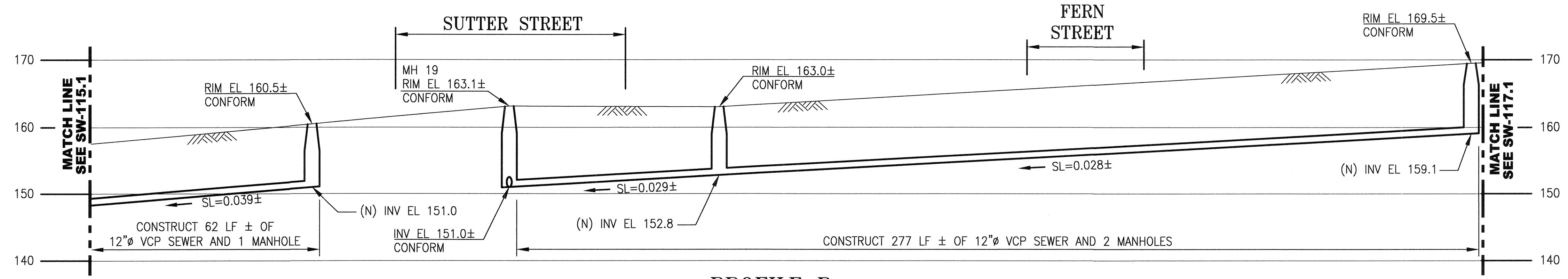
SHEET	OF	PLAN NO.	DRAWING NO.	REVISION NO.
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ELEVATION
DATUM
CITY

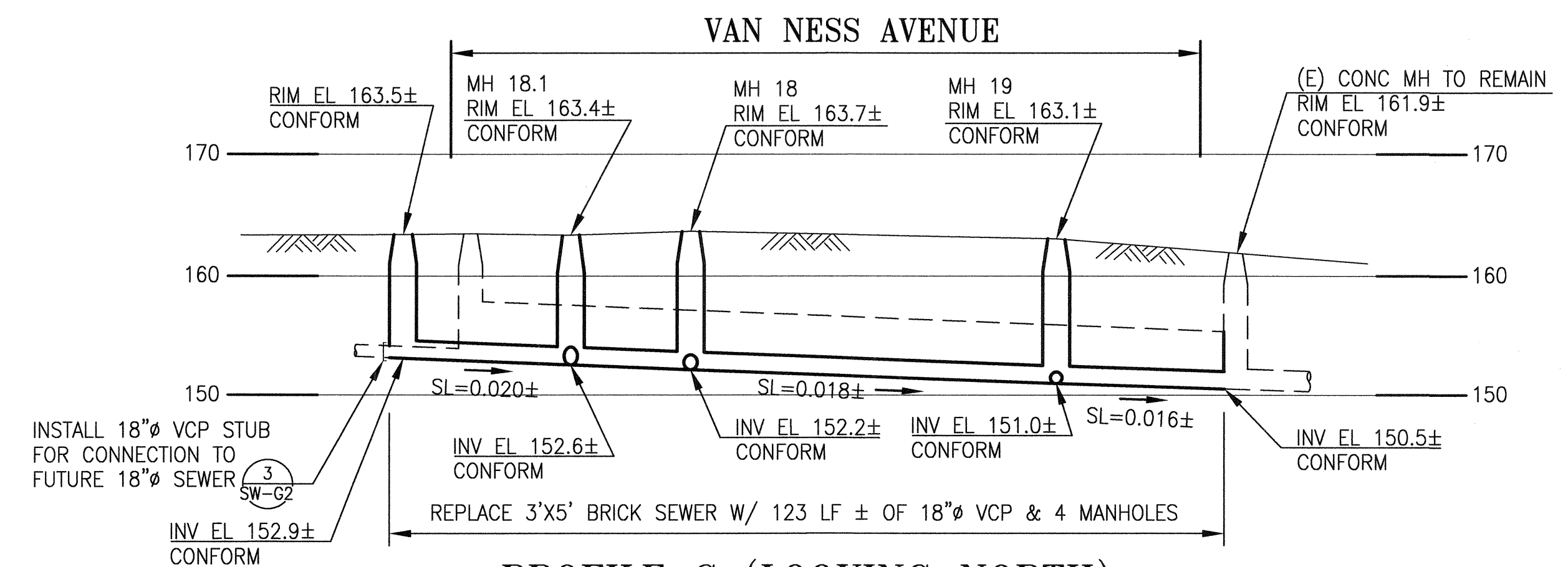


PROFILE A
SCALE: HORIZ 1"=20'
VERT 1"=10'

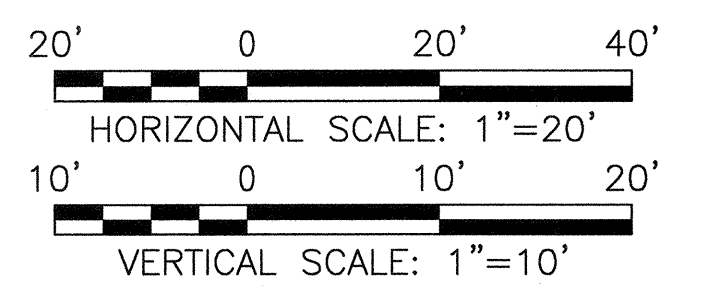
PROFILE A
SCALE: HORIZ 1"=20'
VERT 1"=10'



PROFILE B
SCALE: HORIZ 1"=20'
VERT 1"=10'



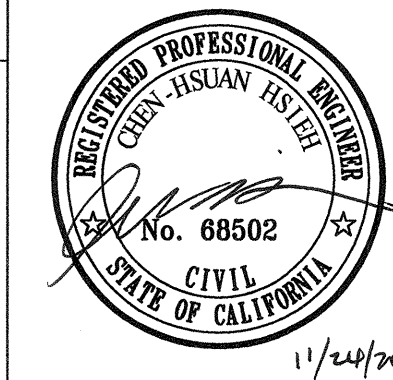
PROFILE C (LOOKING NORTH)
SCALE: HORIZ 1"=20'
VERT 1"=10'



CONTRACT NO. 1289

CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
ENGINEERING MANAGEMENT BUREAU
MUNI BUS RAPID TRANSIT SYSTEM
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT
VAN NESS AVENUE SEWER WORK
CTL 163+50 TO 167+75
PROFILE

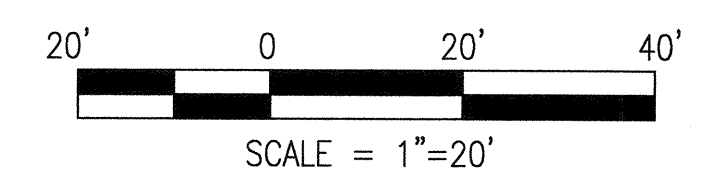
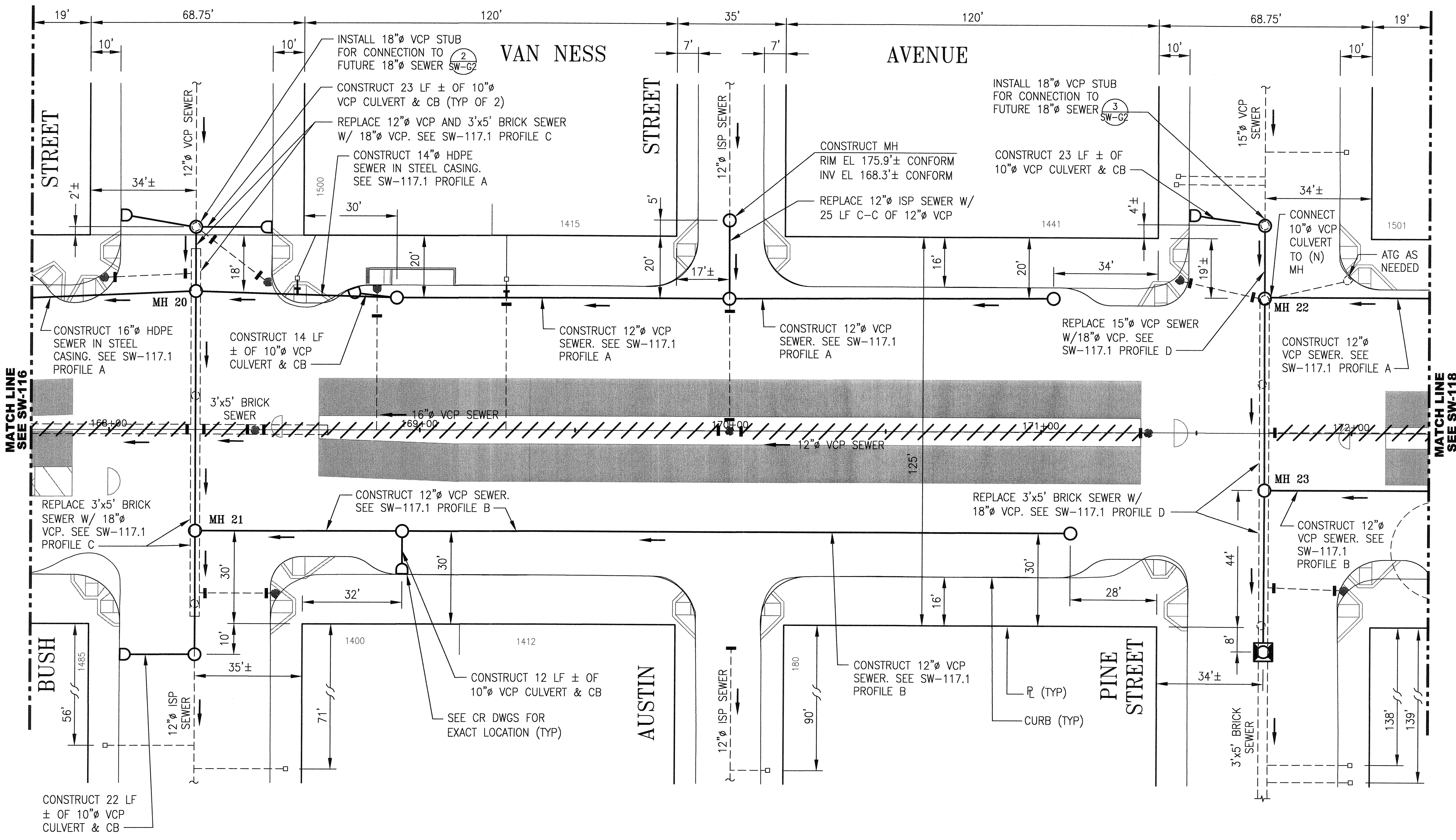
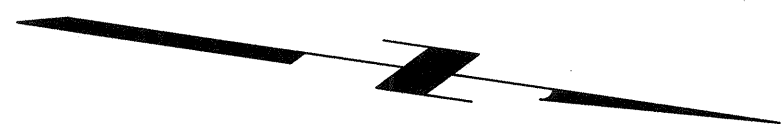
REFERENCES
GATE BOOK PAGES, PLANS,
SURVEY NOTES, ETC. USED
73,362



CITY AND COUNTY OF SAN FRANCISCO SAN FRANCISCO PUBLIC WORKS DESIGN & ENGINEERING				
SECTION MANAGER <i>[Signature]</i> 11/24/15	DRAWN A. MOMBENI 11/2015			
DEPUTY DIVISION MANAGER <i>[Signature]</i> 11/25/15	DESIGNED C. HSIEH 11/2015			
DIVISION MANAGER <i>[Signature]</i> 11/24/15	CHECKED L. WONG 11/2015			
NO.	DATE	DESCRIPTION	BY	APPR'D
REVISIONS				

SECTION MANAGER	CHECKED	DRAWN	SCALE AS NOTED
DIVISION MANAGER	RECOMMENDED	DESIGNED	DATE
APPROVED <i>[Signature]</i> MANAGER		APPROVED <i>[Signature]</i> ASSISTANT GENERAL MANAGER WASTEWATER ENTERPRISE	
SHEET	OF	PLAN NO. DRAWING NO.	REVISION NO.
102,743	SW-116.1	0	

ELEVATION DATUM CITY

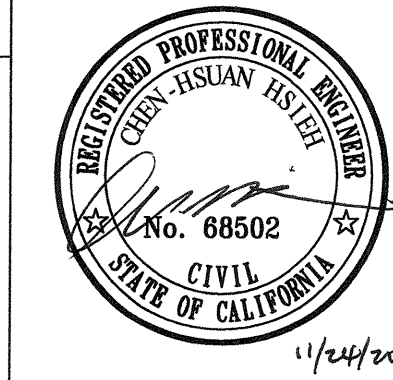


CONTRACT NO. 1289

CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
ENGINEERING MANAGEMENT BUREAU

MUNI BUS RAPID TRANSIT SYSTEM
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT
VAN NESS AVENUE SEWER REPLACEMENT
CTL 167+75 TO 172+25
PLAN

REFERENCES
GATE BOOK PAGES, PLANS,
SURVEY NOTES, ETC., USED
A-17251
A-17876



CITY AND COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
DESIGN & ENGINEERING

SECTION MANAGER <i>[Signature]</i> 11/24/15	DRAWN A.MOMBENI 11/2015
DEPUTY DIVISION MANAGER <i>[Signature]</i> 11/25/15	DESIGNED C.HSIEH 11/2015
DIVISION MANAGER <i>[Signature]</i> 11/20/15	CHECKED L.WONG 11/2015

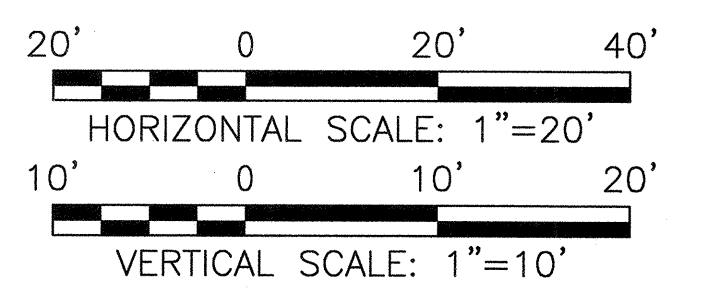
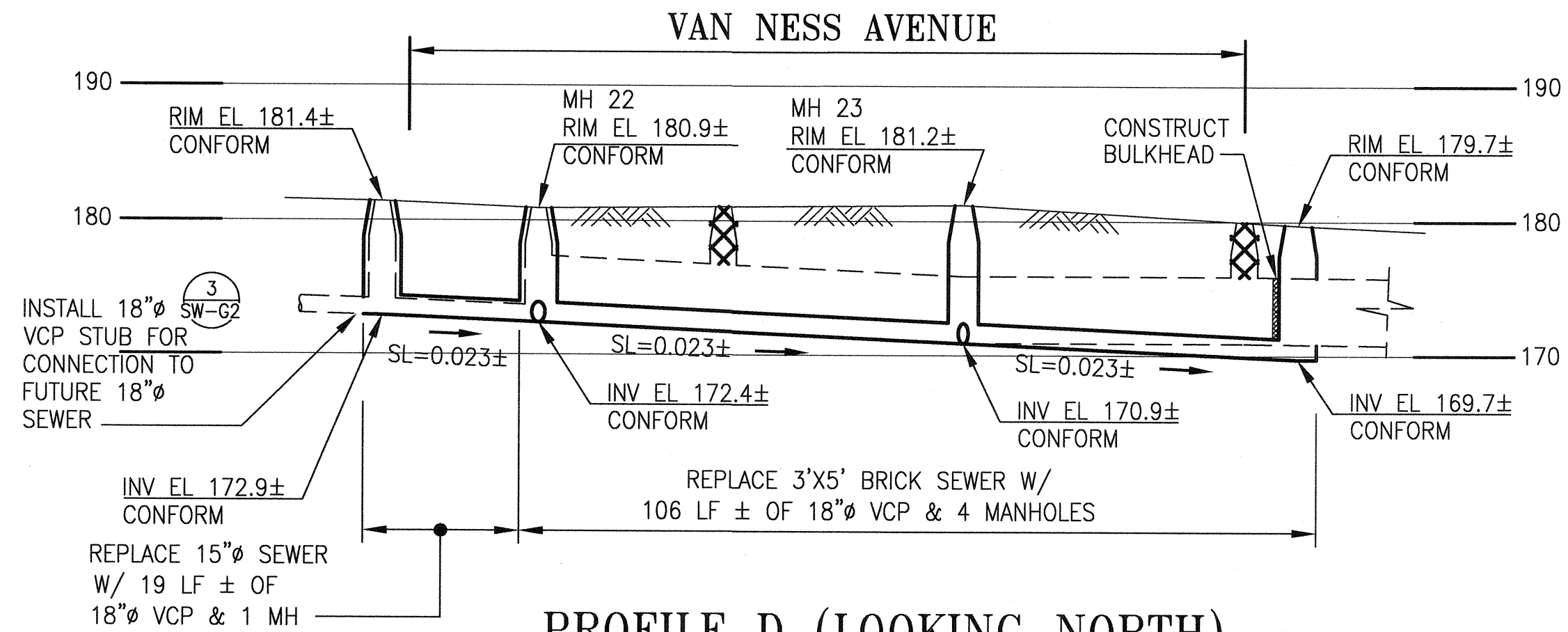
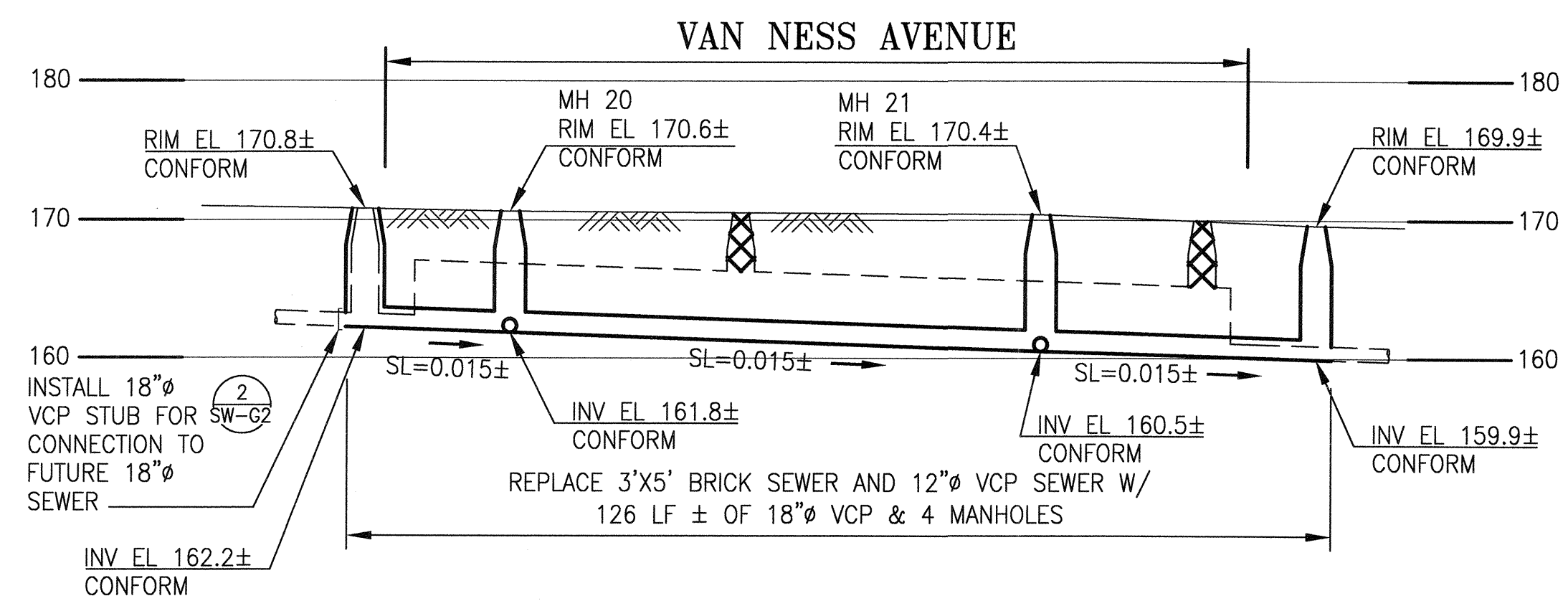
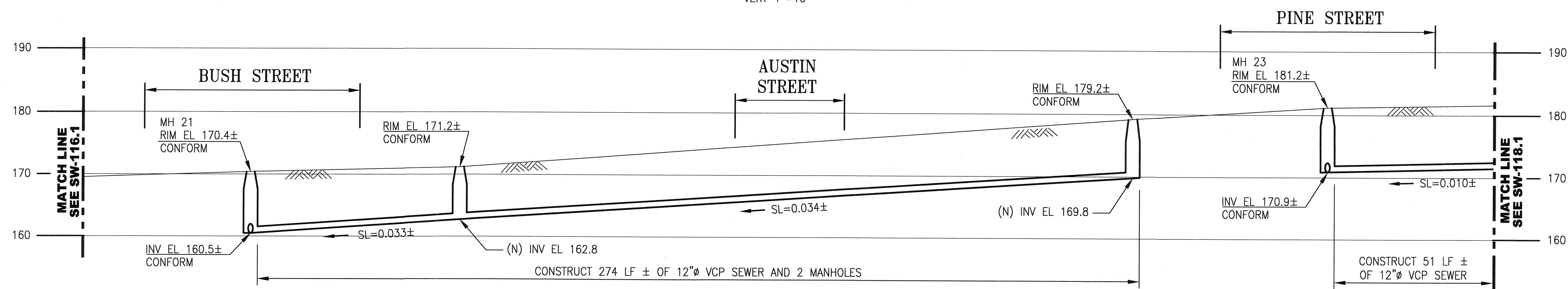
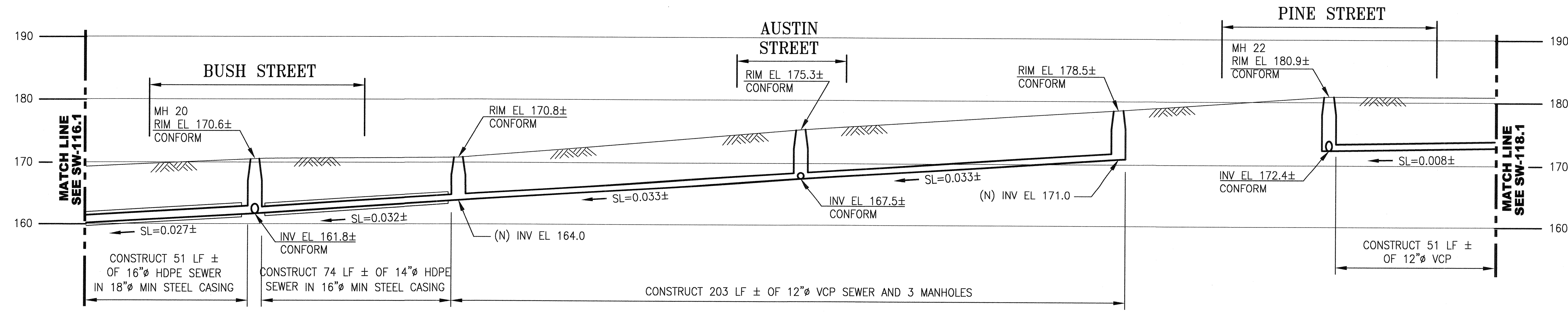
SECTION MANAGER	CHECKED	DRAWN	SCALE AS NOTED
DIVISION MANAGER	RECOMMENDED	DESIGNED	DATE

APPROVED: *[Signature]*
MANAGER
ASSISTANT GENERAL MANAGER
WASTEWATER ENTERPRISE

NO.	DATE	DESCRIPTION	BY	APPR'D
REVISIONS				

ELEVATION DATUM CITY

SHEET OF 102,744 SW-117 0

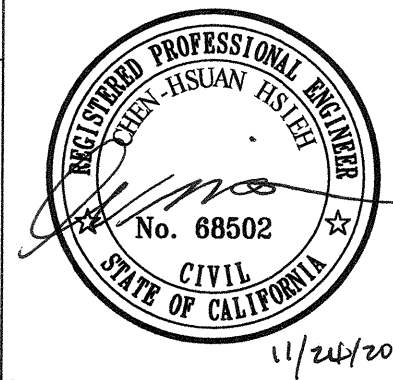


CONTRACT NO. 1289

CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
ENGINEERING MANAGEMENT BUREAU

MUNI BUS RAPID TRANSIT SYSTEM
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT
VAN NESS AVENUE SEWER WORK
CTL 167+75 TO 172+25
PROFILE

REFERENCES
GATE BOOK PAGES, PLANS,
SURVEY NOTES, ETC., USED
A-17251
A-17876



CITY AND COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
DESIGN & ENGINEERING

SECTION MANAGER 11/24/15	DRAWN A. MOMBENI 11/11/2015
DEPUTY DIVISION MANAGER 11/25/15	DESIGNED C. HSIEH 11/2015
DIVISION MANAGER 11/24/15	CHECKED L. WONG 11/2015

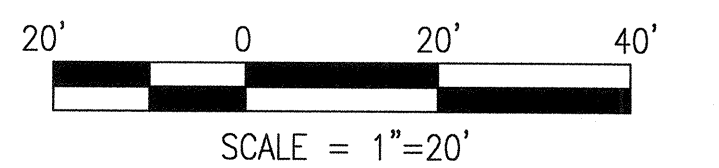
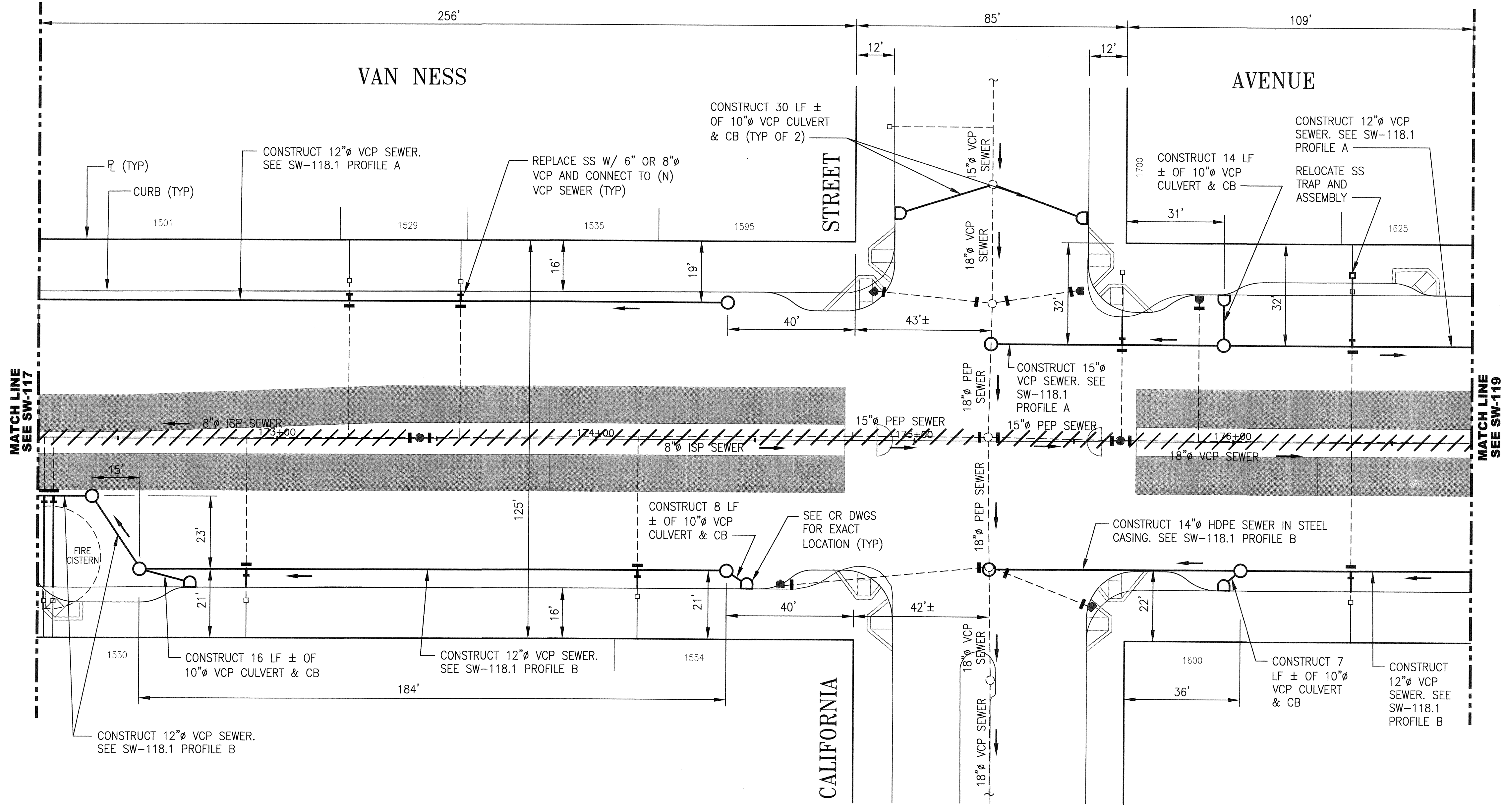
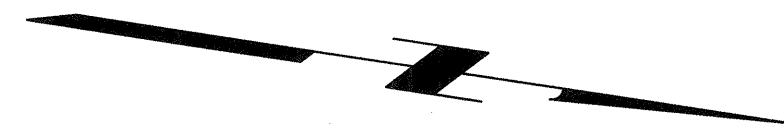
SECTION MANAGER	CHECKED	DRAWN	SCALE AS NOTED
DIVISION MANAGER	RECOMMENDED	DESIGNED	DATE

APPROVED: [Signature]
MANAGER
APPROVED: [Signature]
ASSISTANT GENERAL MANAGER
WASTEWATER ENTERPRISE

NO.	DATE	DESCRIPTION	BY	APPR'D
REVISIONS				

SHEET OF 102,745 SW-117.1 0

ELEVATION DATUM CITY

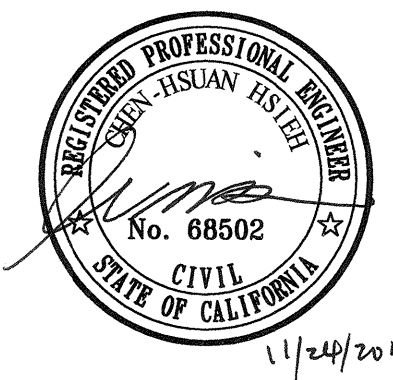


CONTRACT NO. 1289

CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
ENGINEERING MANAGEMENT BUREAU

MUNI BUS RAPID TRANSIT SYSTEM
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT
VAN NESS AVENUE SEWER REPLACEMENT
CTL 172+25 TO 176+75
PLAN

REFERENCES
GATE BOOK PAGES, PLANS,
SURVEY NOTES, ETC., USED
64,870



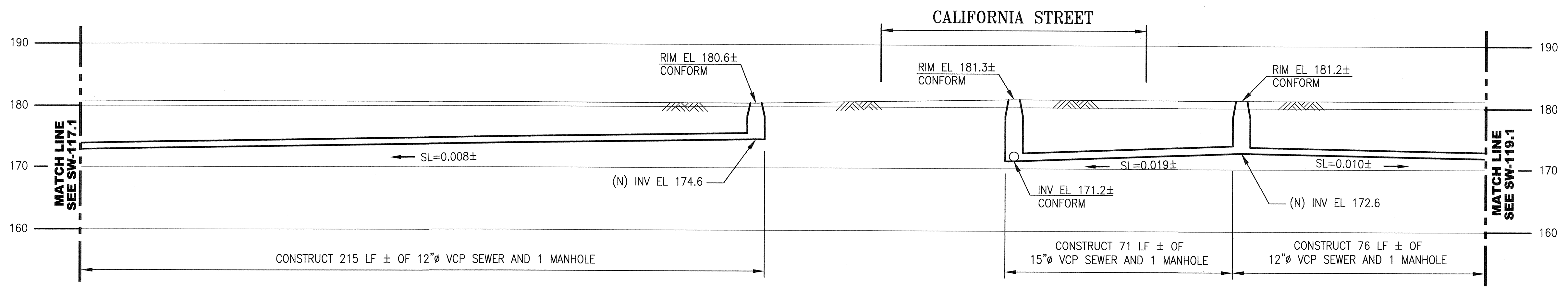
ELEVATION
DATUM
CITY

CITY AND COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
DESIGN & ENGINEERING

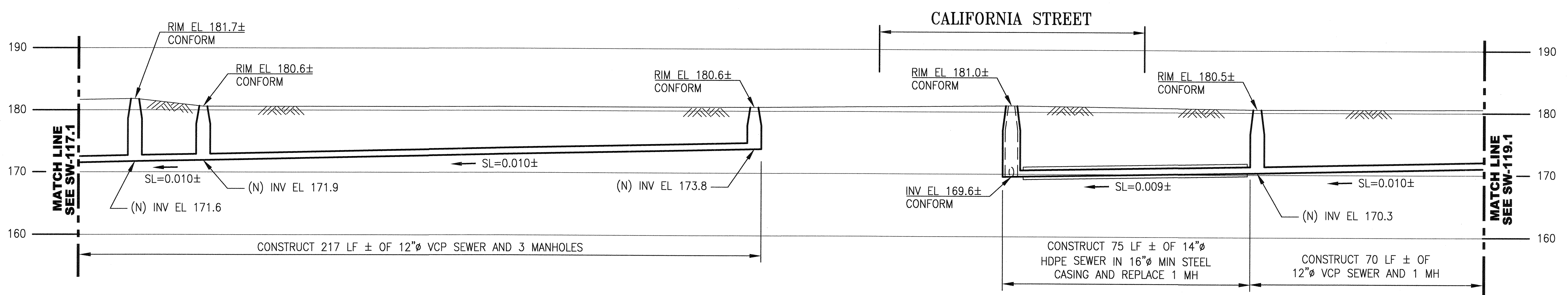
SECTION MANAGER <i>[Signature]</i> 11/24/15	DRAWN A. MOMBENI 11/11/2015
DEPUTY DIVISION MANAGER <i>[Signature]</i> 11/25/15	DESIGNED C. HSIEH 11/11/2015
DIVISION MANAGER <i>[Signature]</i> 11/30/15	CHECKED L. WONG 11/11/2015

NO.	DATE	DESCRIPTION	BY	APPR'D

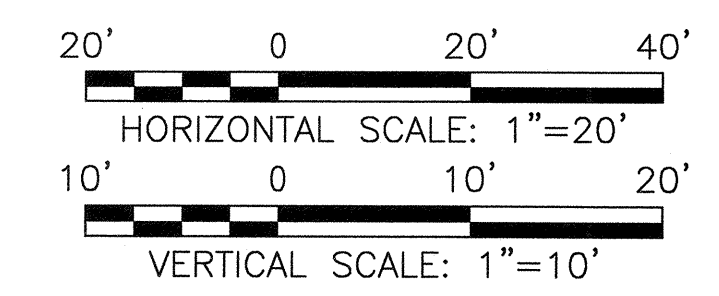
SECTION MANAGER	CHECKED	DRAWN	SCALE
DIVISION MANAGER	RECOMMENDED	DESIGNED	AS NOTED
APPROVED <i>[Signature]</i> MANAGER	APPROVED <i>[Signature]</i> ASSISTANT GENERAL MANAGER WASTEWATER ENTERPRISE	DATE	DATE
SHEET OF	102,746	DRAWING NO. SW-118	REVISION NO. 0



PROFILE A
SCALE: HORIZ 1"=20'
VERT 1"=10'



PROFILE B
SCALE: HORIZ 1"=20'
VERT 1"=10'

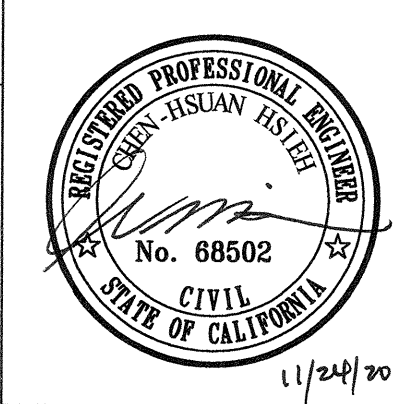


CONTRACT NO. 1289

CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
ENGINEERING MANAGEMENT BUREAU

MUNI BUS RAPID TRANSIT SYSTEM
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT
VAN NESS AVENUE SEWER WORK
CTL 172+25 TO 176+75
PROFILE

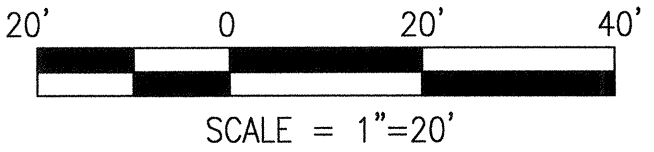
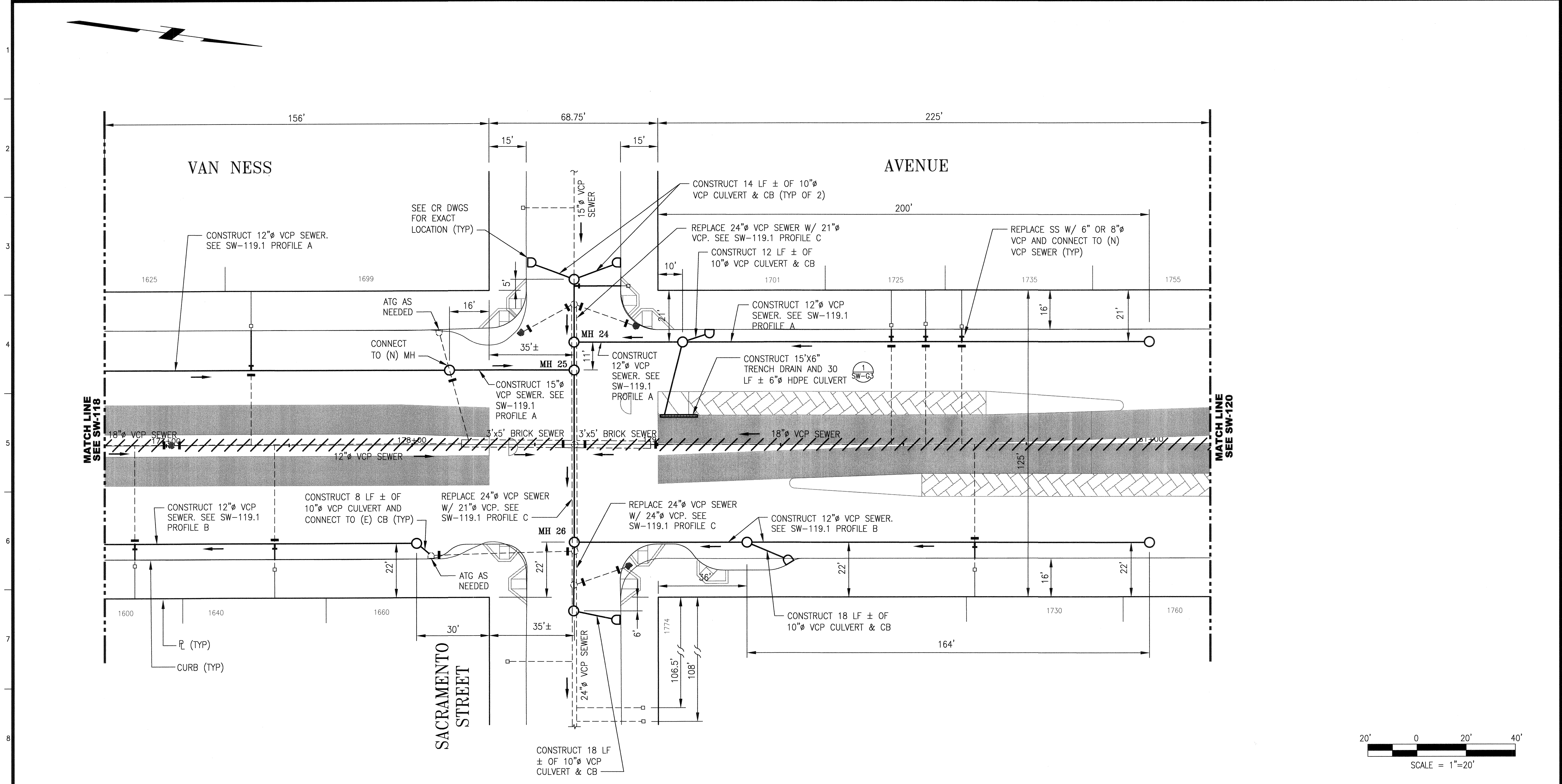
REFERENCES
GATE BOOK PAGES, PLANS,
SURVEY NOTES, ETC. USED
64,870



SECTION MANAGER <i>[Signature]</i> 11/24/15		DRAWN A. MOMBENI 11/2015	
DEPUTY DIVISION MANAGER <i>[Signature]</i> 11/25/15		DESIGNED C. HSIEH 11/2015	
DIVISION MANAGER <i>[Signature]</i> 11/24/15		CHECKED L. WONG 11/2015	
NO.	DATE	DESCRIPTION	BY
REVISIONS			

SECTION MANAGER	CHECKED	DRAWN	SCALE AS NOTED
DIVISION MANAGER	RECOMMENDED	DESIGNED	DATE
APPROVED <i>[Signature]</i> MANAGER		APPROVED <i>[Signature]</i> ASSISTANT GENERAL MANAGER WASTEWATER ENTERPRISE	
SHEET	OF	PLAN NO. DRAWING NO.	REVISION NO.
102,747	SW-118.1	0	

ELEVATION
DATUM
CITY

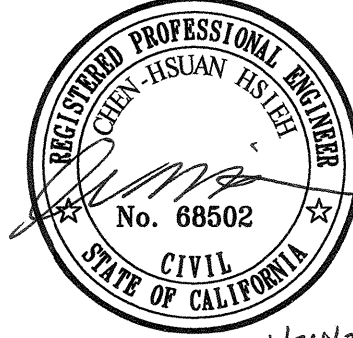


CONTRACT NO. 1289

CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
ENGINEERING MANAGEMENT BUREAU

MUNI BUS RAPID TRANSIT SYSTEM
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT
VAN NESS AVENUE SEWER REPLACEMENT
CTL 176+75 TO 181+25
PLAN

REFERENCES
GATE BOOK PAGES, PLANS,
SURVEY NOTES, ETC., USED



SECTION MANAGER <i>L. Wong</i> 11/24/15	DRAWN A. MOMBENI 11/2015
DEPUTY DIVISION MANAGER <i>Shane</i> 11/25/15	DESIGNED C. HSIEH 11/2015
DIVISION MANAGER <i>L. Wong</i> 11/20/15	CHECKED L. WONG 11/2015

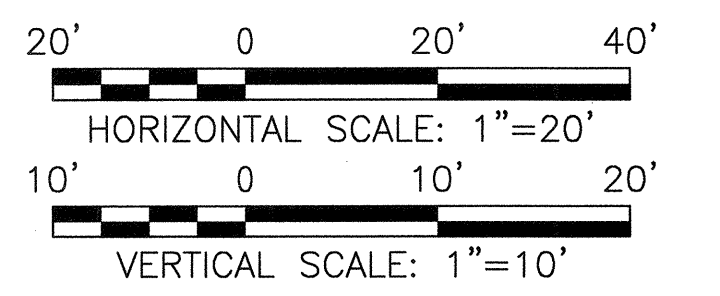
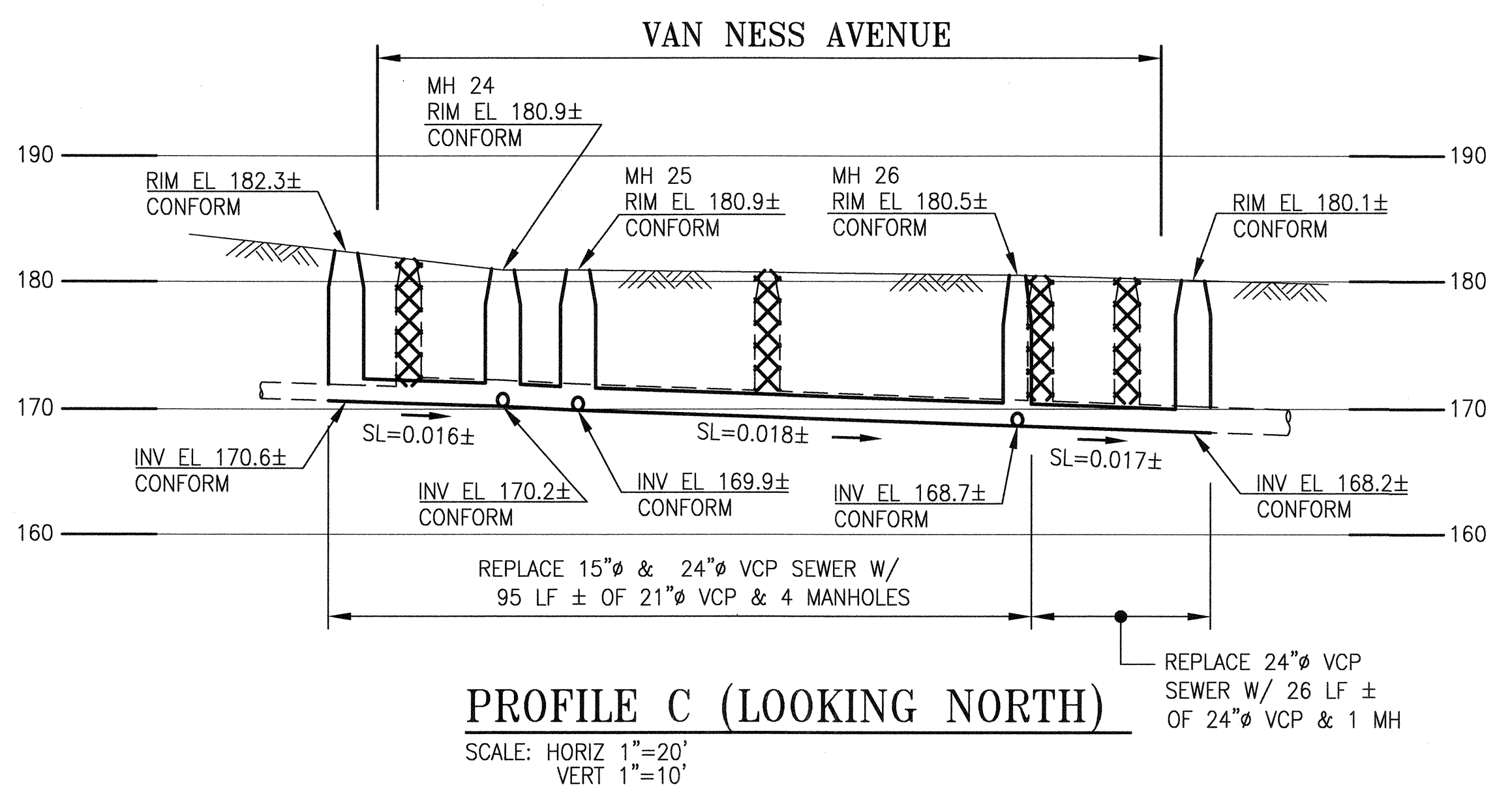
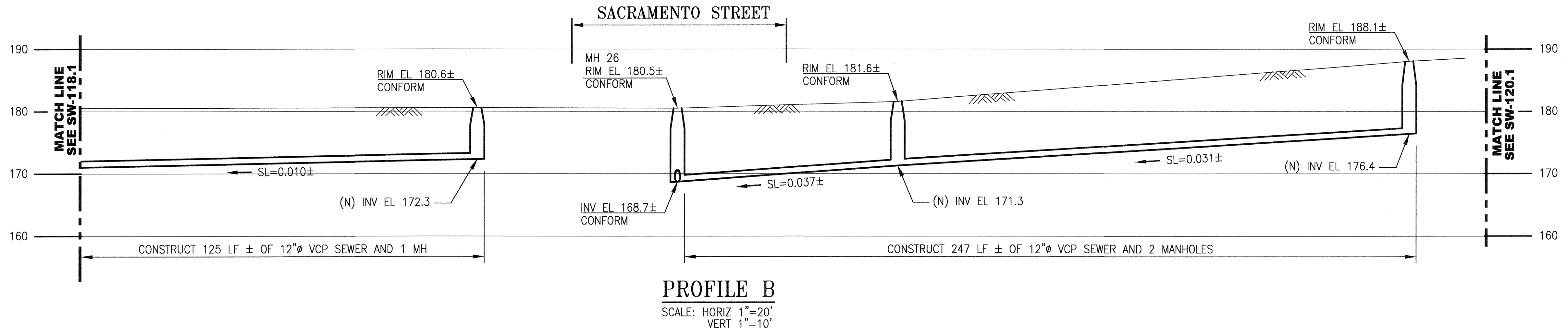
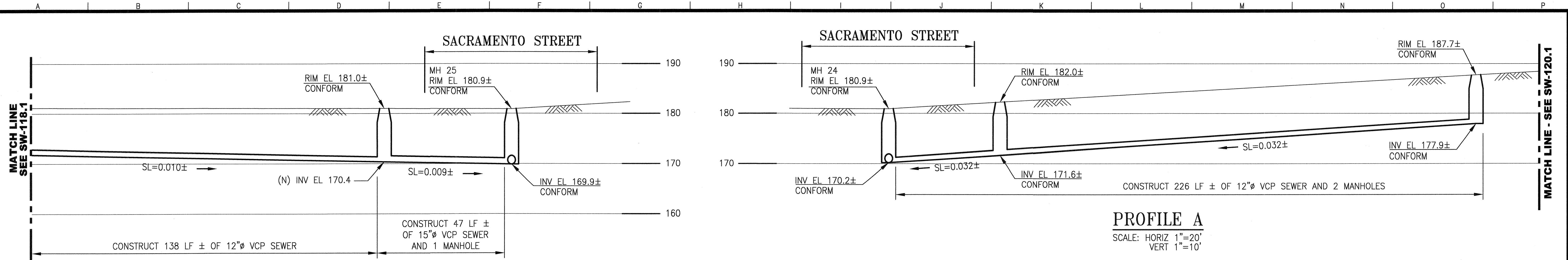
SECTION MANAGER	CHECKED	DRAWN	SCALE AS NOTED
DIVISION MANAGER	RECOMMENDED	DESIGNED	DATE

APPROVED
[Signature]
MANAGER
ASSISTANT GENERAL MANAGER
WASTEWATER ENTERPRISE

ELEVATION
DATUM
CITY

NO.	DATE	DESCRIPTION	BY	APPR'D
REVISIONS				

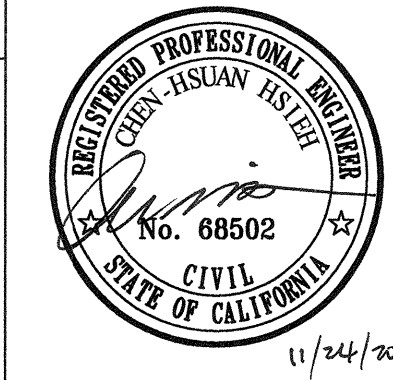
SHEET	OF	PLAN NO.	DRAWING NO.	REVISION NO.
		102,748	SW-119	0



CONTRACT NO. 1289

CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
ENGINEERING MANAGEMENT BUREAU
MUNI BUS RAPID TRANSIT SYSTEM
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT
VAN NESS AVENUE SEWER WORK
CTL 176+75 TO 181+25
PROFILE

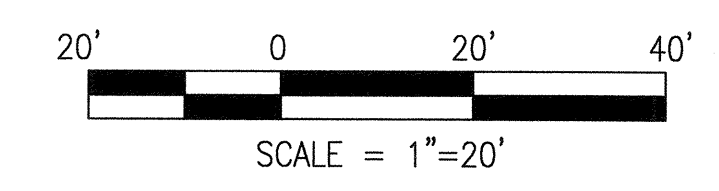
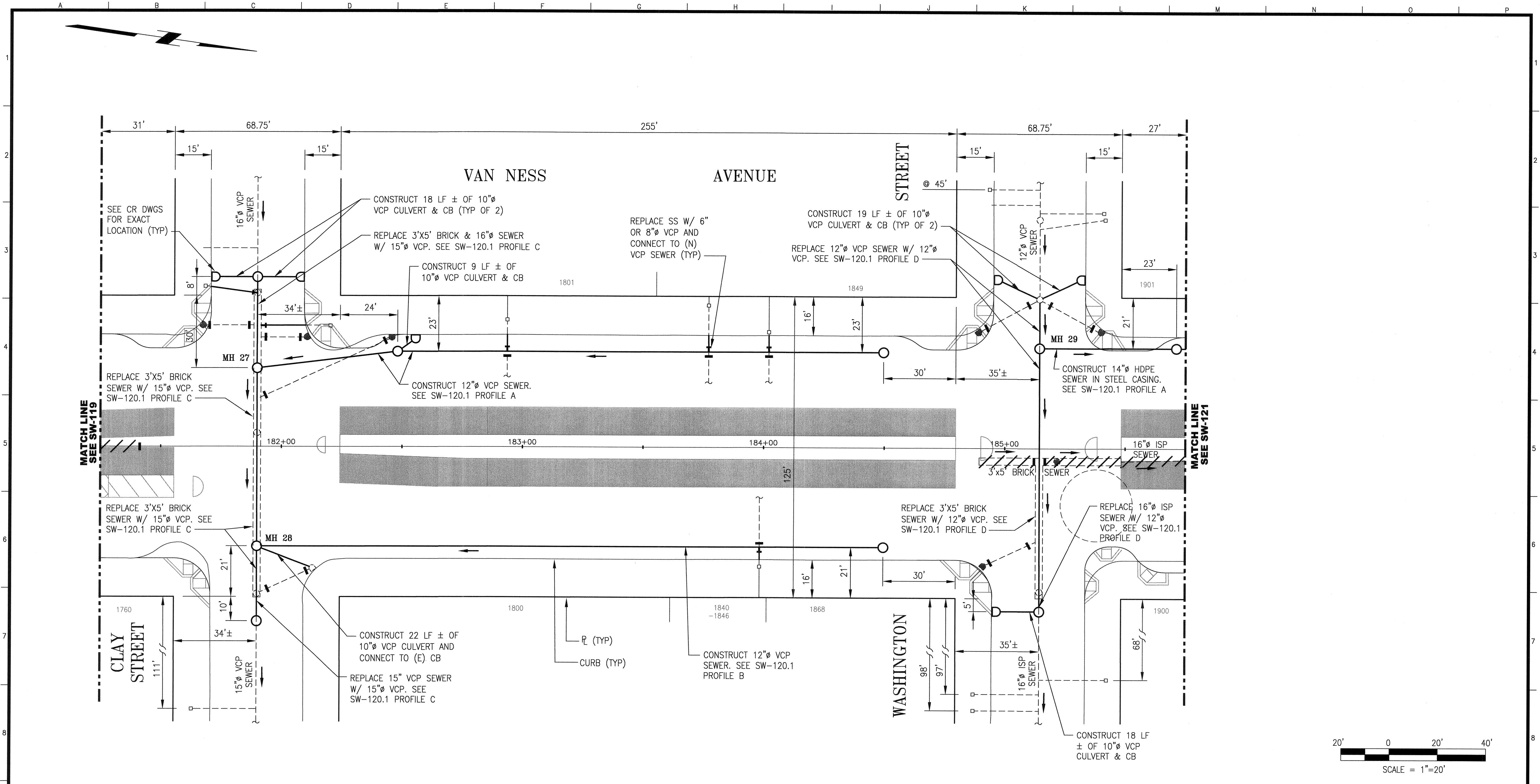
REFERENCES
GATE BOOK PAGES, PLANS,
SURVEY NOTES, ETC. USED
61,427



SECTION MANAGER <i>[Signature]</i> 11/24/15		DRAWN A. MOMBENI 11/2015		
DEPUTY DIVISION MANAGER <i>[Signature]</i> 11/25/15		DESIGNED C. HSIEH 11/2015		
DIVISION MANAGER <i>[Signature]</i> 11/30/15		CHECKED L. WONG 11/2015		
NO.	DATE	DESCRIPTION	BY	APPR'D
REVISIONS				

SECTION MANAGER	CHECKED	DRAWN	SCALE AS NOTED
DIVISION MANAGER	RECOMMENDED	DESIGNED	DATE
APPROVED <i>[Signature]</i> MANAGER		APPROVED <i>[Signature]</i> ASSISTANT GENERAL MANAGER WASTEWATER ENTERPRISE	
SHEET	OF	PLAN NO.	DRAWING NO.
		102,749	SW-119.1
			REVISION NO.
			0

ELEVATION
DATUM
CITY

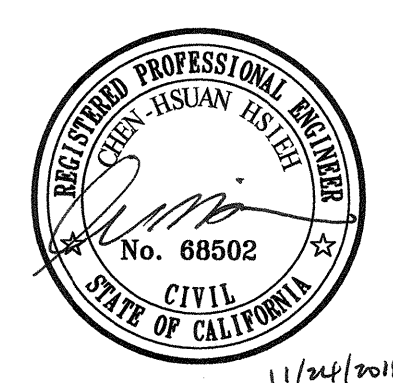


CONTRACT NO. 1289

CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
 ENGINEERING MANAGEMENT BUREAU

MUNI BUS RAPID TRANSIT SYSTEM
 VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT
VAN NESS AVENUE SEWER REPLACEMENT
 CTL 181+25 TO 185+75
PLAN

REFERENCES
 GATE BOOK PAGES, PLANS,
 SURVEY NOTES, ETC., USED
 A-24481.1



CITY AND COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
 DESIGN & ENGINEERING

SECTION MANAGER <i>[Signature]</i> 11/24/15	DRAWN A.MOMBENI 11/2015
DEPUTY DIVISION MANAGER <i>[Signature]</i> 11/25/15	DESIGNED C.HSIEH 11/2015
DIVISION MANAGER <i>[Signature]</i> 11/26/15	CHECKED L.WONG 11/2015

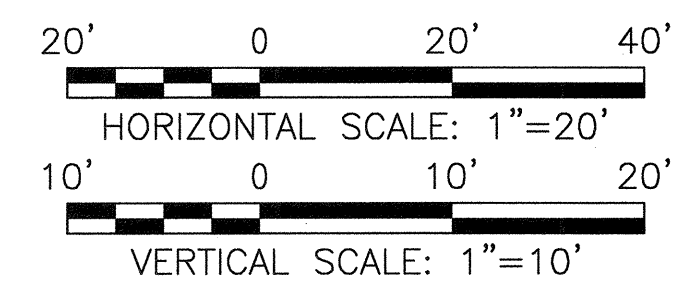
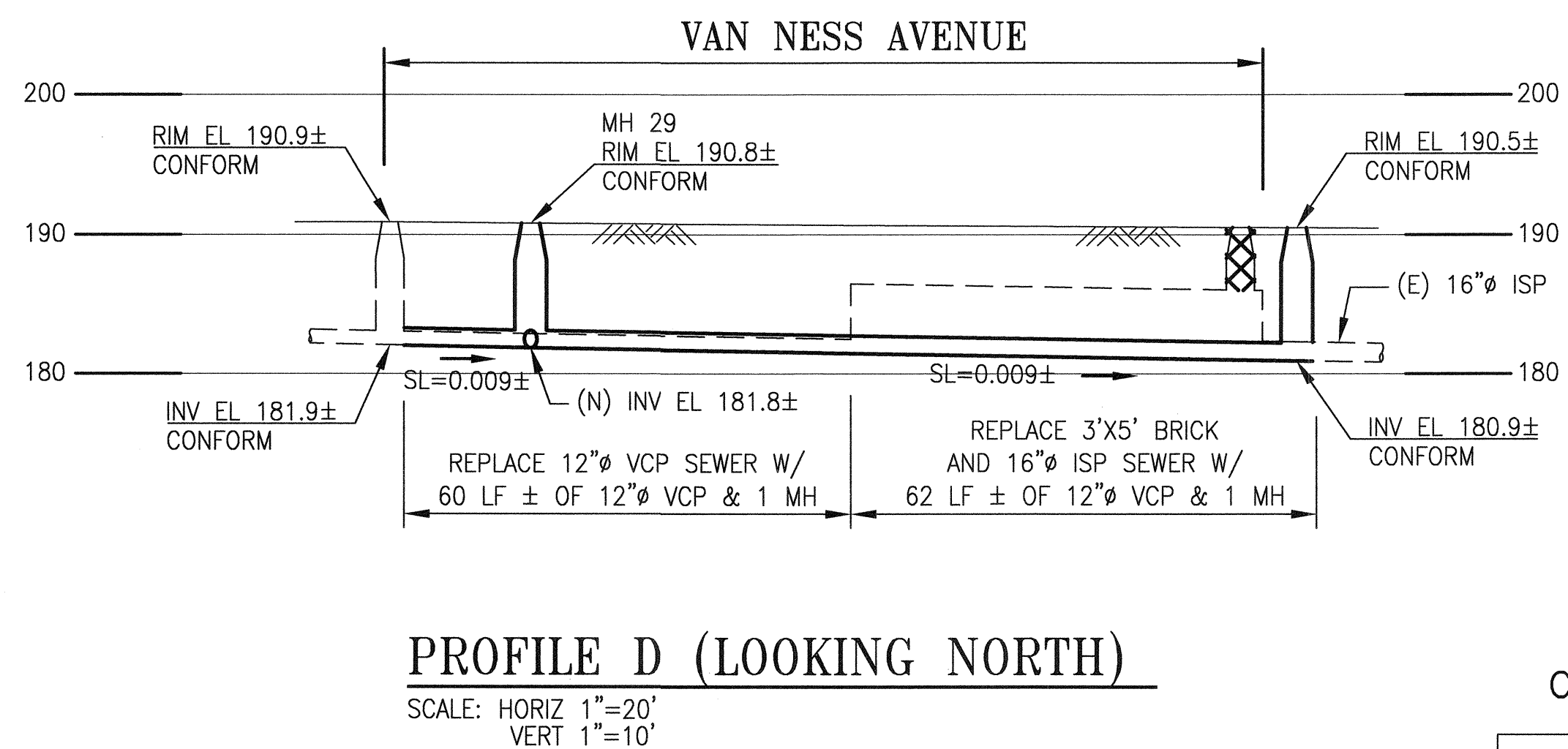
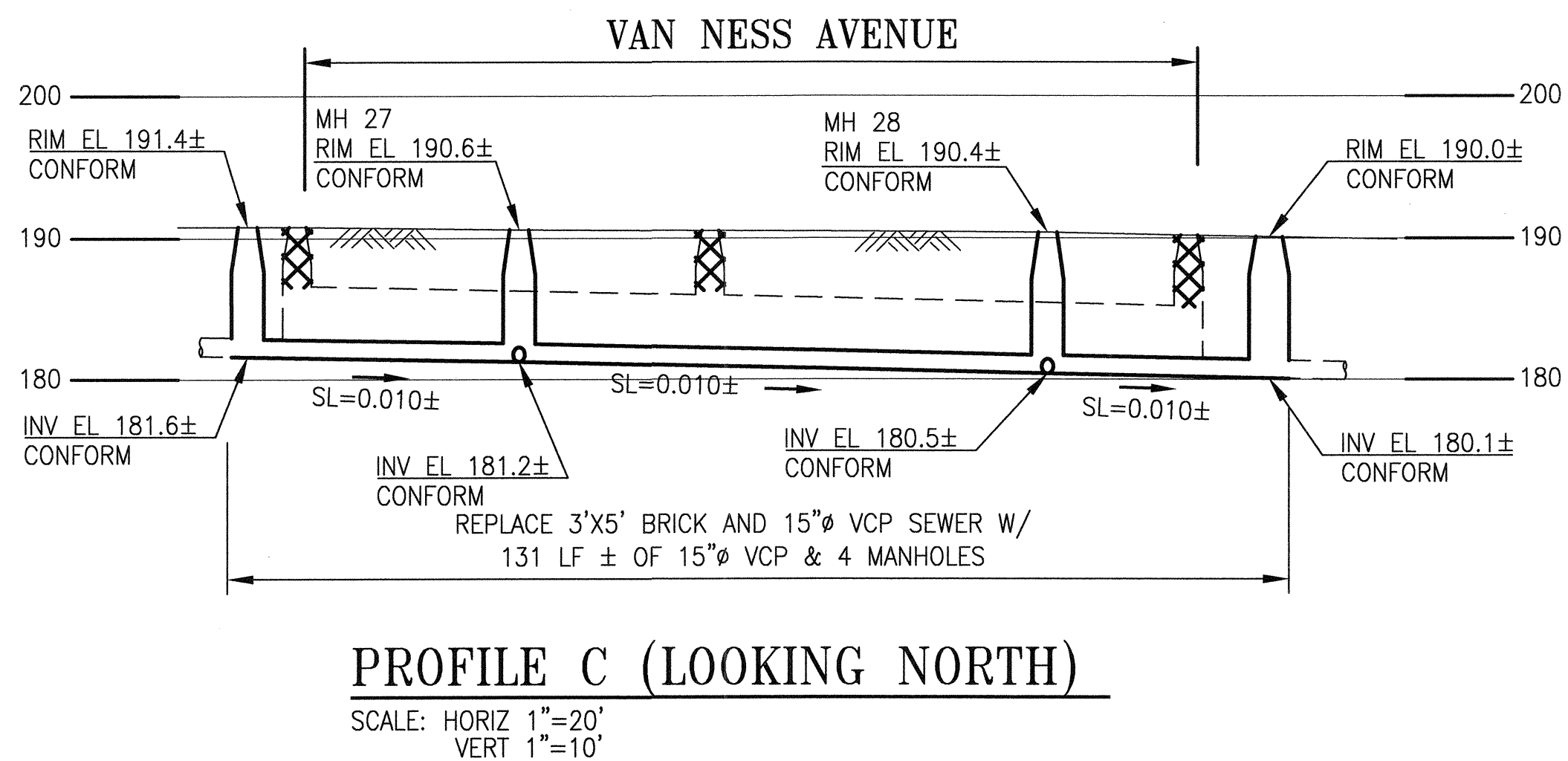
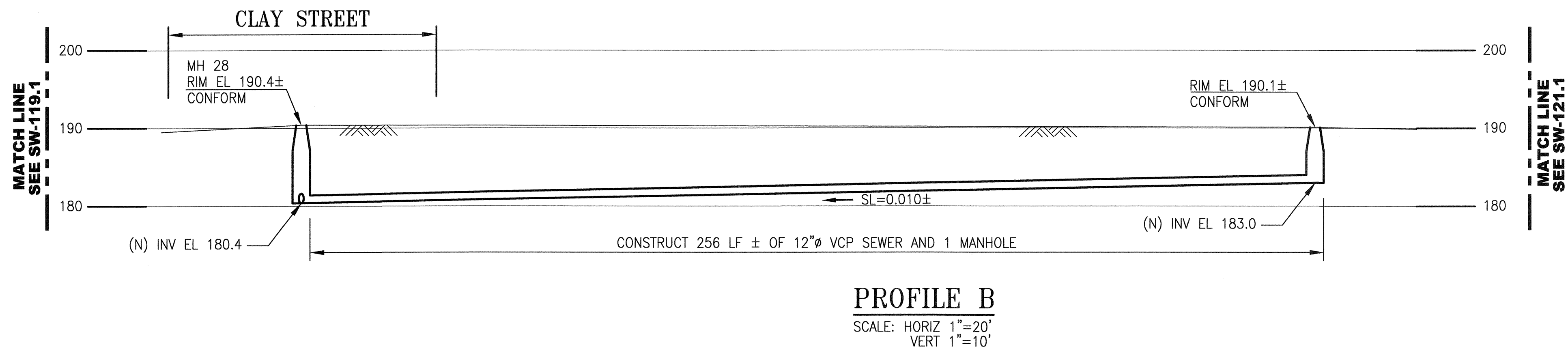
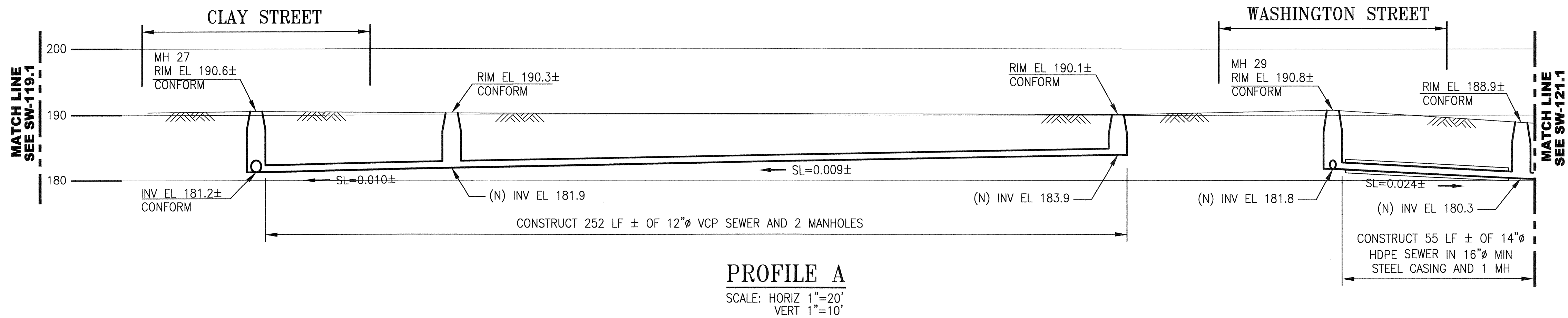
SECTION MANAGER	CHECKED	DRAWN	SCALE AS NOTED
DIVISION MANAGER	RECOMMENDED	DESIGNED	DATE

APPROVED <i>[Signature]</i> MANAGER	APPROVED <i>[Signature]</i> ASSISTANT GENERAL MANAGER WASTEWATER ENTERPRISE			
NO.	DATE	DESCRIPTION	BY	APPR'D
REVISIONS				

ELEVATION
 DATUM
 CITY

SHEET OF 102,750 SW-120 0

HYD JOB ORDER NO. 2449J



CONTRACT NO. 1289

CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
ENGINEERING MANAGEMENT BUREAU
MUNI BUS RAPID TRANSIT SYSTEM
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT
VAN NESS AVENUE SEWER WORK
CTL 181+25 TO 185+75
PROFILE

REFERENCES
GATE BOOK PAGES, PLANS,
SURVEY NOTES, ETC., USED
A-24481.1



CITY AND COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
DESIGN & ENGINEERING

SECTION MANAGER <i>[Signature]</i> 11/24/15	DRAWN A. MOMBENI 11/2015
DEPUTY DIVISION MANAGER <i>[Signature]</i> 11/25/15	DESIGNED C. HSIEH 11/2015
DIVISION MANAGER <i>[Signature]</i> 11/24/15	CHECKED L. WONG 11/2015

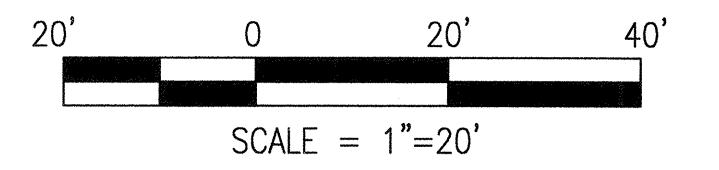
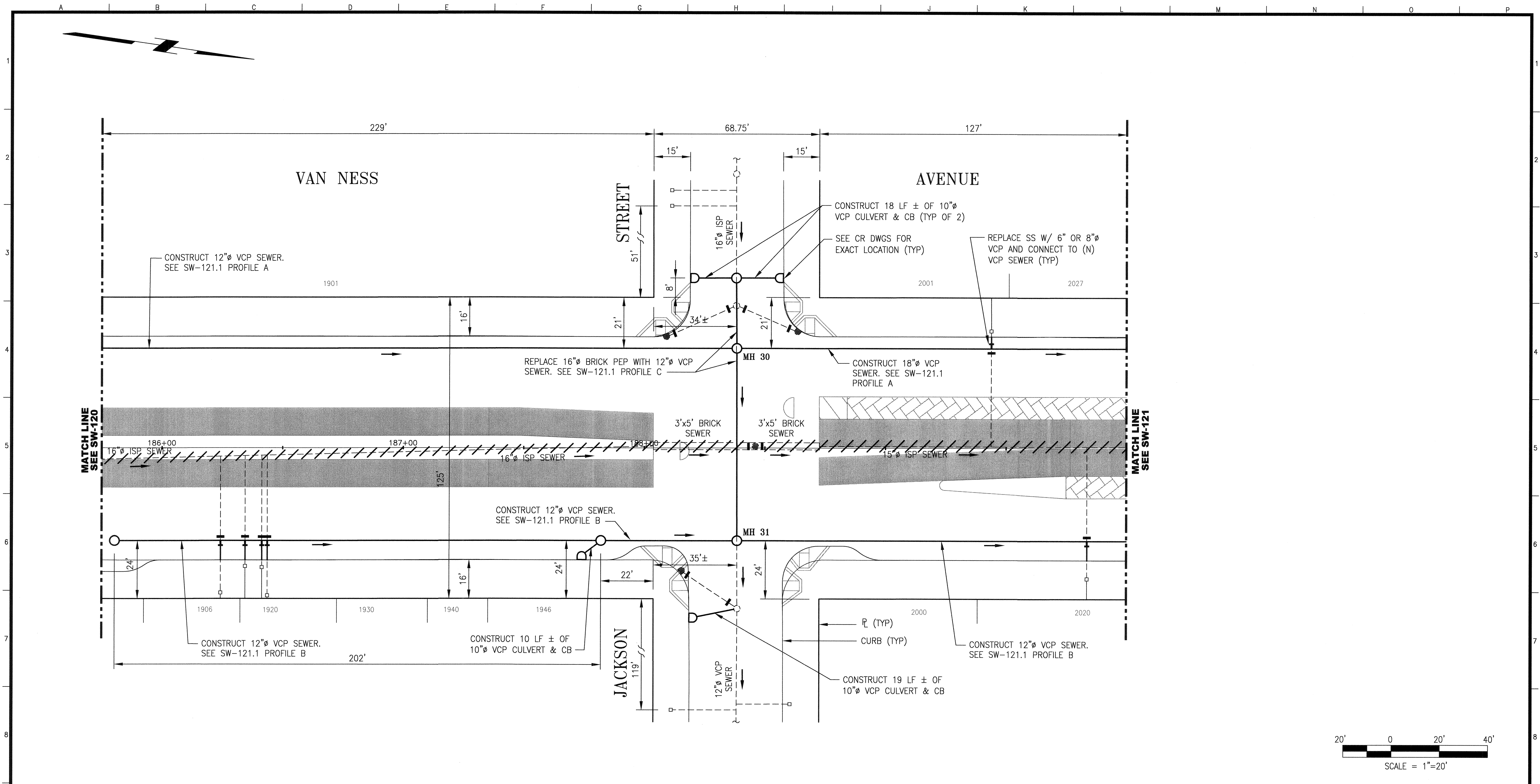
SECTION MANAGER	CHECKED	DRAWN	SCALE AS NOTED
DIVISION MANAGER	RECOMMENDED	DESIGNED	DATE

APPROVED
[Signature]
MANAGER
ASSISTANT GENERAL MANAGER
WASTEWATER ENTERPRISE

ELEVATION DATUM CITY

NO.	DATE	DESCRIPTION	BY	APPR'D
REVISIONS				

SHEET OF 102,751 SW-120.1 0

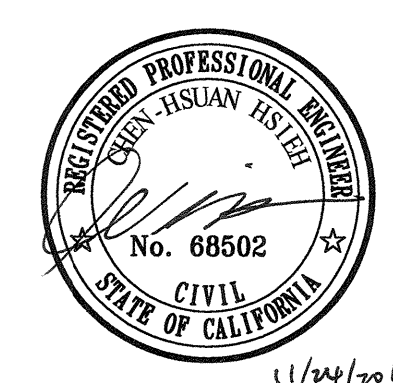


CONTRACT NO. 1289

CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
ENGINEERING MANAGEMENT BUREAU

MUNI BUS RAPID TRANSIT SYSTEM
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT
VAN NESS AVENUE SEWER REPLACEMENT
CTL 185+75 TO 190+00
PLAN

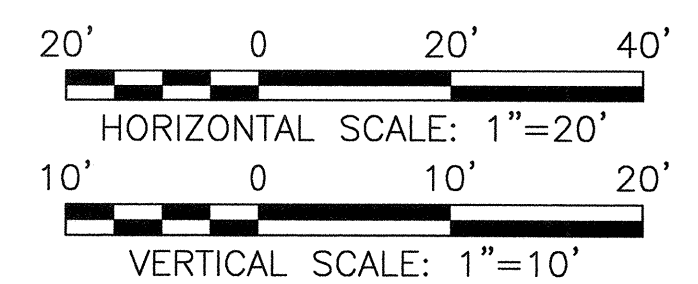
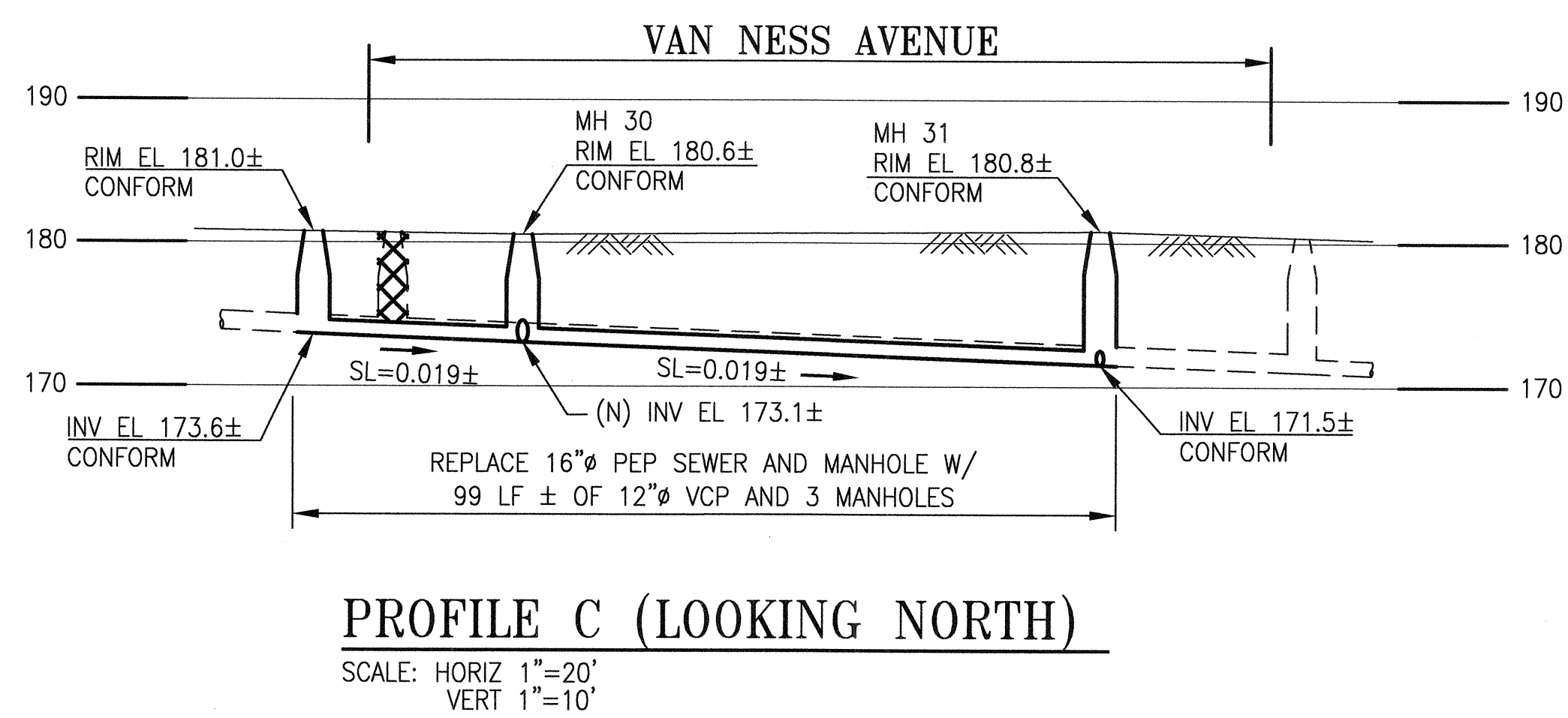
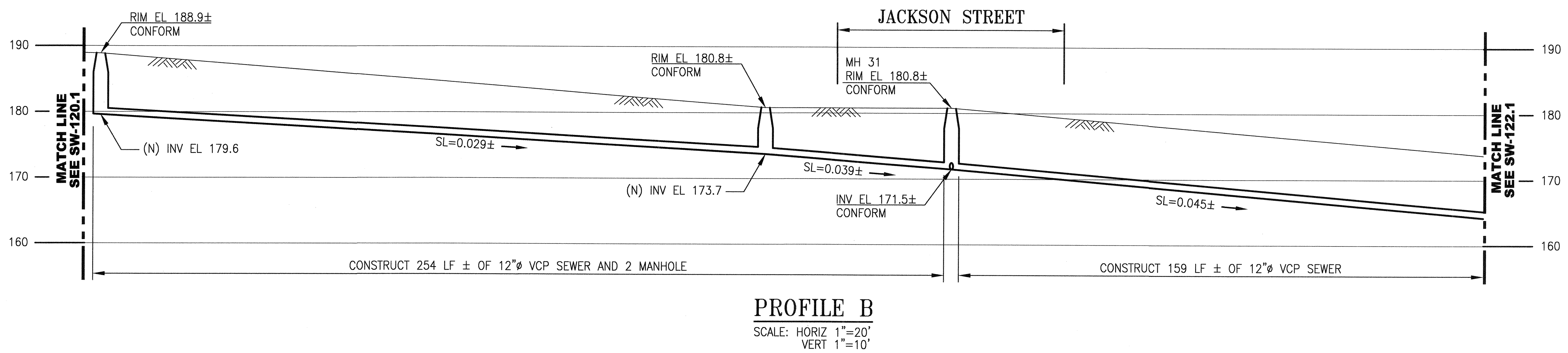
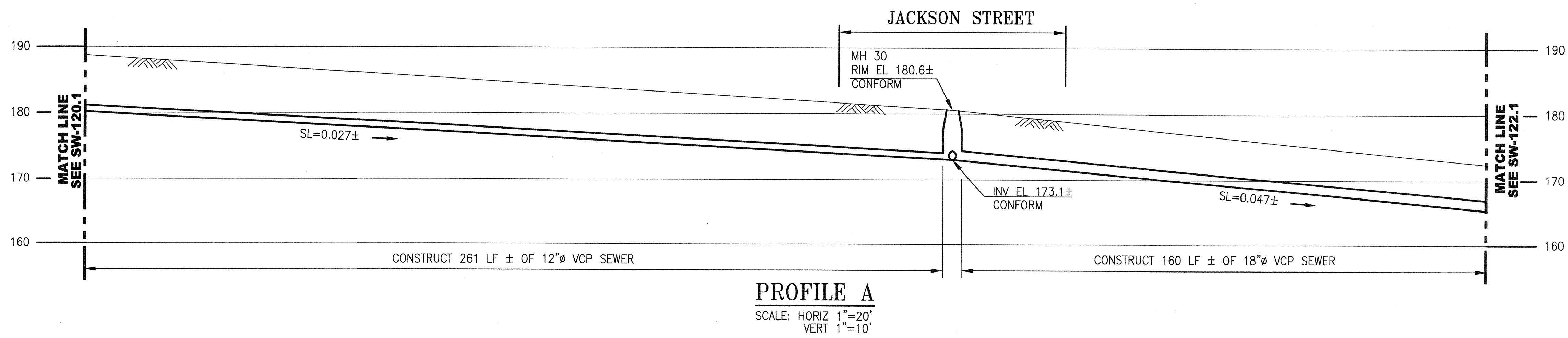
REFERENCES
GATE BOOK PAGES, PLANS,
SURVEY NOTES, ETC. USED
27,111
74,372



SECTION MANAGER <i>Diag. 11/29/15</i>		DRAWN A. MOMBENI 11/2015		
DEPUTY DIVISION MANAGER <i>Diag. 11/27/15</i>		DESIGNED C. HSIEH 11/2015		
DIVISION MANAGER <i>Diag. 11/20/15</i>		CHECKED L. WONG 11/2015		
NO.	DATE	DESCRIPTION	BY	APPR'D
REVISIONS				

SECTION MANAGER	CHECKED	DRAWN	SCALE AS NOTED
DIVISION MANAGER	RECOMMENDED	DESIGNED	DATE
APPROVED <i>[Signature]</i> MANAGER		APPROVED <i>[Signature]</i> ASSISTANT GENERAL MANAGER WASTEWATER ENTERPRISE	
SHEET	OF	PLAN NO. DRAWING NO.	REVISION NO.
102,752	SW-121	0	

ELEVATION
DATUM
CITY



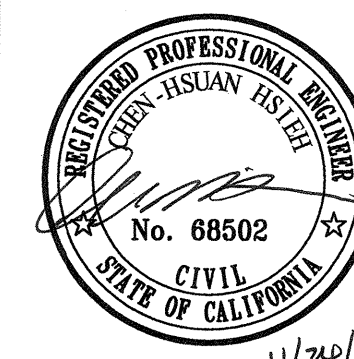
CONTRACT NO. 1289

CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
ENGINEERING MANAGEMENT BUREAU

MUNI BUS RAPID TRANSIT SYSTEM
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT
VAN NESS AVENUE SEWER WORK
CTL 185+75 TO 190+00
PROFILE

REFERENCES
GATE BOOK PAGES, PLANS,
SURVEY NOTES, ETC. USED

27,111
74,372



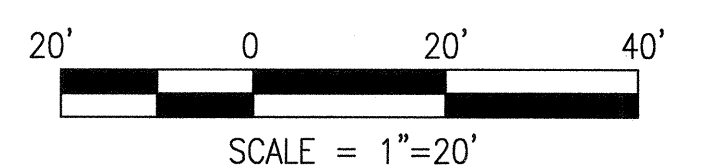
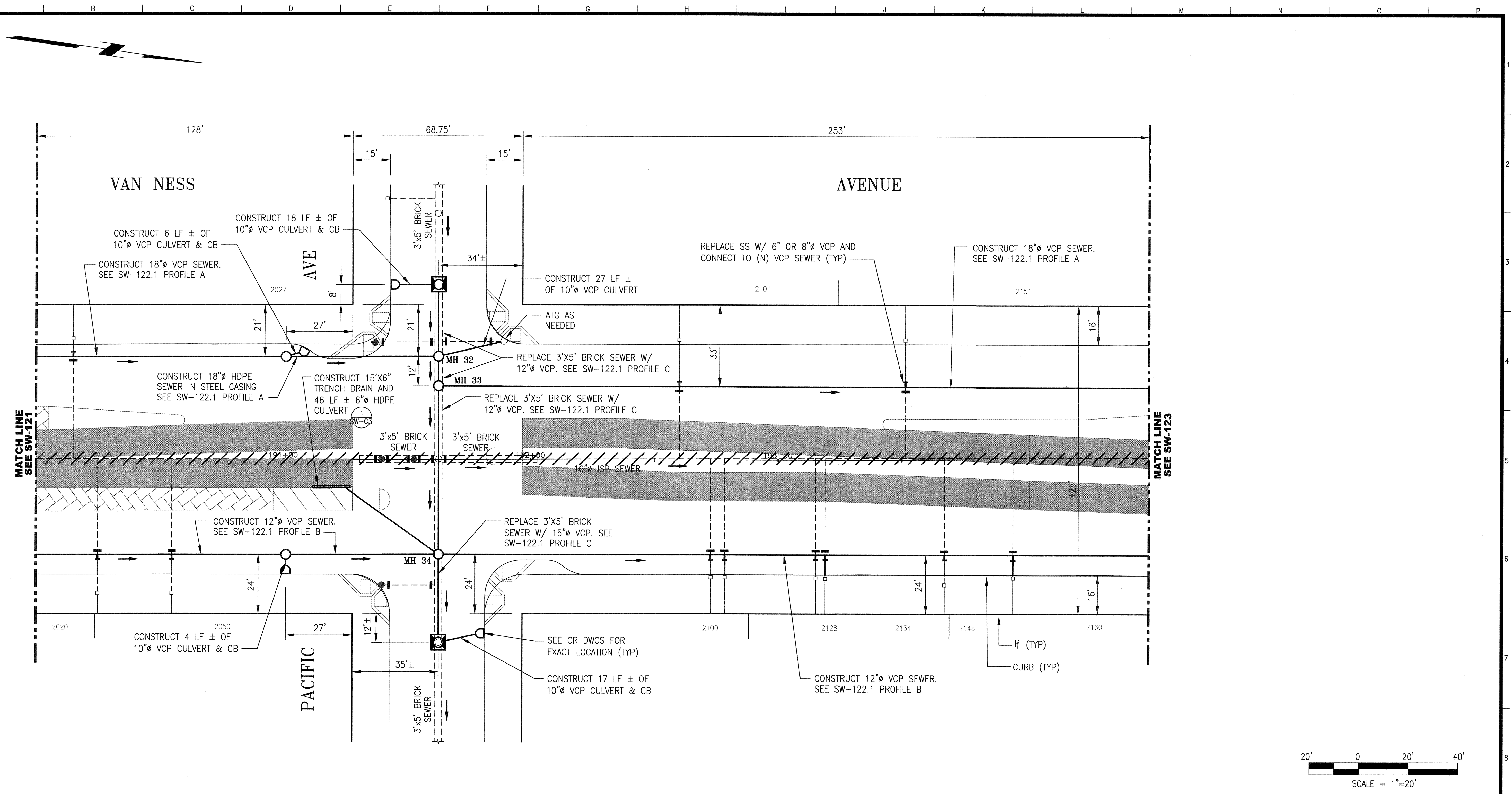
CITY AND COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
DESIGN & ENGINEERING

SECTION MANAGER: *[Signature]* 11/20/15
DRAWN: A. MOMBENI 11/20/15
DESIGNED: C. HSIEH 11/20/15
CHECKED: L. WONG 11/20/15

NO.	DATE	DESCRIPTION	BY	APPR'D
REVISIONS				

SECTION MANAGER	CHECKED	DRAWN	SCALE
<i>[Signature]</i>			AS NOTED
DIVISION MANAGER	RECOMMENDED	DESIGNED	DATE
APPROVED		APPROVED	
<i>[Signature]</i> MANAGER		<i>[Signature]</i> ASSISTANT GENERAL MANAGER WASTEWATER ENTERPRISE	
SHEET	OF	PLAN NO.	DRAWING NO.
		102,753	SW-121.1
			REVISION NO.
			0

ELEVATION
DATUM
CITY



CONTRACT NO. 1289

CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
 ENGINEERING MANAGEMENT BUREAU

MUNI BUS RAPID TRANSIT SYSTEM
 VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT
VAN NESS AVENUE SEWER REPLACEMENT
 CTL 190+00 TO 194+50
PLAN

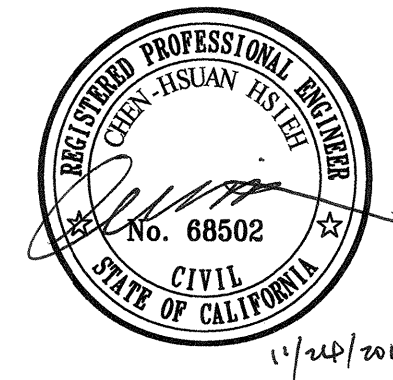
SECTION MANAGER	CHECKED	DRAWN	SCALE AS NOTED
DIVISION MANAGER	RECOMMENDED	DESIGNED	DATE
APPROVED: <i>[Signature]</i> MANAGER		APPROVED: <i>[Signature]</i> ASSISTANT GENERAL MANAGER WASTEWATER ENTERPRISE	
SHEET OF	PLAN NO. 102,754	DRAWING NO. SW-122	REVISION NO. 0

CITY AND COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
 DESIGN & ENGINEERING

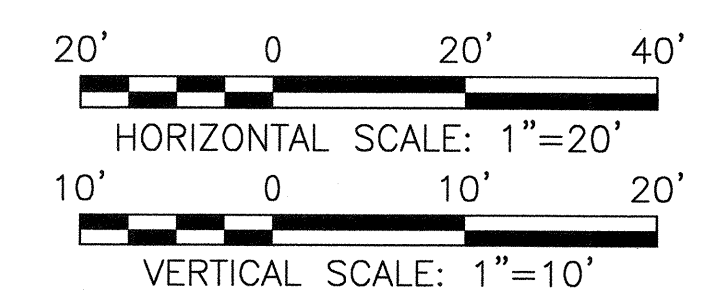
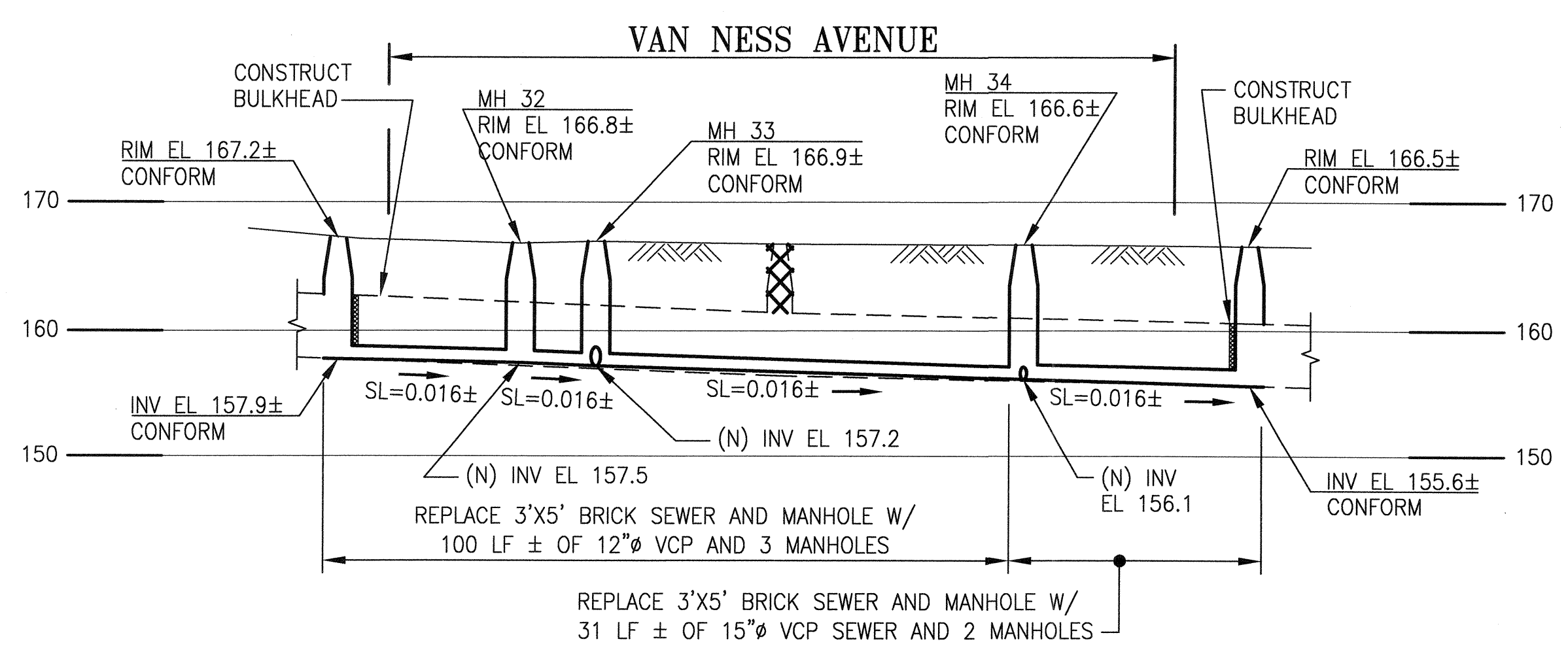
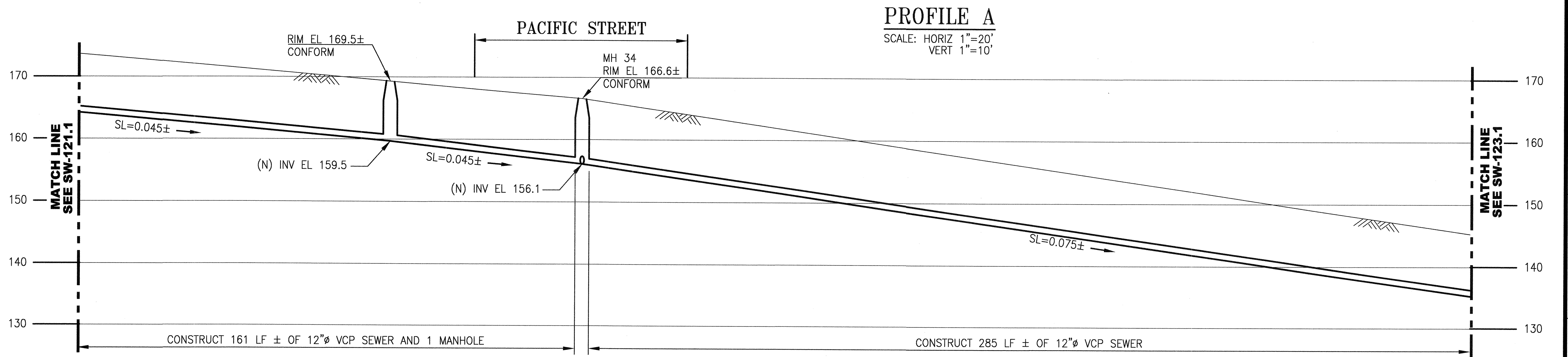
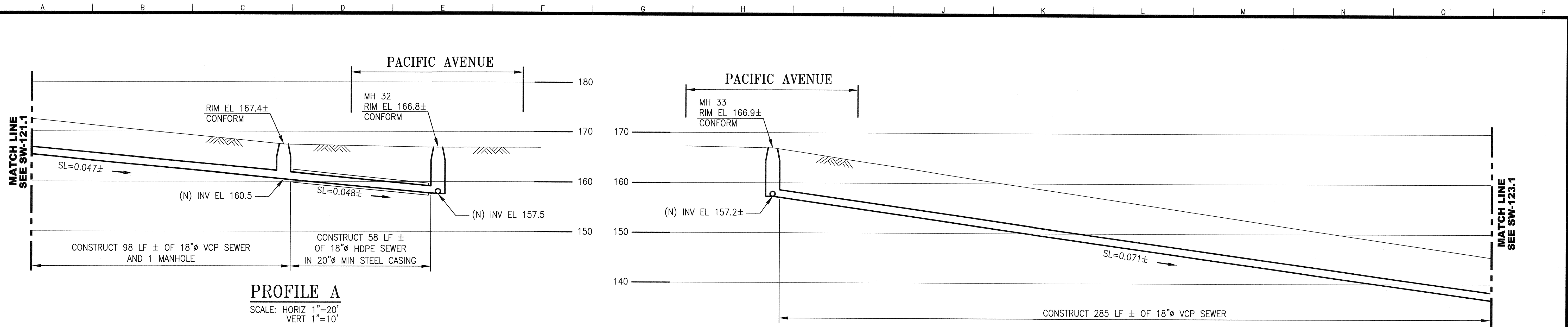
SECTION MANAGER <i>[Signature]</i> 11/24/15	DRAWN A. MOMBENI 11/2015
DEPUTY DIVISION MANAGER <i>[Signature]</i> 11/25/15	DESIGNED C. HSIEH 11/2015
DIVISION MANAGER <i>[Signature]</i> 11/24/15	CHECKED L. WONG 11/2015

NO.	DATE	DESCRIPTION	BY	APPR'D
REVISIONS				

REFERENCES
 GATE BOOK PAGES, PLANS,
 SURVEY NOTES, ETC. USED



ELEVATION
 DATUM
 CITY



CONTRACT NO. 1289

CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
ENGINEERING MANAGEMENT BUREAU

MUNI BUS RAPID TRANSIT SYSTEM
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT
VAN NESS AVENUE SEWER WORK
CTL 190+00 TO 194+50
PROFILE

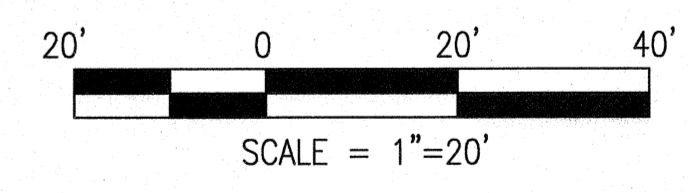
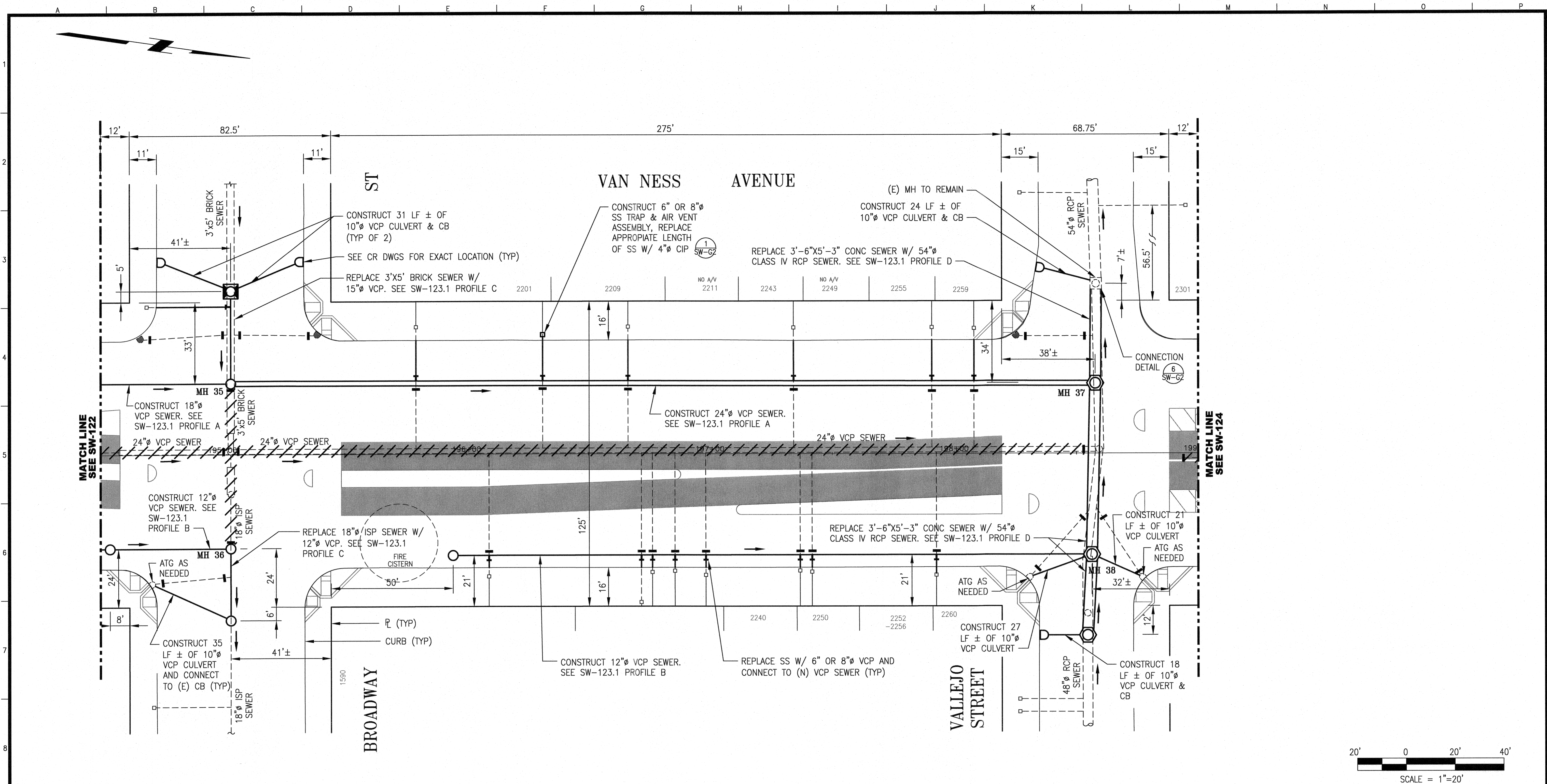
REFERENCES
GATE BOOK PAGES, PLANS,
SURVEY NOTES, ETC., USED



CITY AND COUNTY OF SAN FRANCISCO SAN FRANCISCO PUBLIC WORKS DESIGN & ENGINEERING	
SECTION MANAGER <i>[Signature]</i> 11/24/15	DRAWN A. MOMBENI 11/2015
DEPUTY DIVISION MANAGER <i>[Signature]</i> 11/25/15	DESIGNED C. HSIEH 11/2015
DIVISION MANAGER <i>[Signature]</i> 11/20/15	CHECKED L. WONG 11/2015
NO.	DATE
REVISIONS	

SECTION MANAGER	CHECKED	DRAWN	SCALE
DIVISION MANAGER	RECOMMENDED	DESIGNED	AS NOTED
APPROVED <i>[Signature]</i> MANAGER	APPROVED <i>[Signature]</i> ASSISTANT GENERAL MANAGER WASTEWATER ENTERPRISE	DATE	DATE
SHEET	OF	PLAN NO.	DRAWING NO.
		102,755	SW-122.1
			0

ELEVATION
DATUM
CITY



CONTRACT NO. 1289

CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
ENGINEERING MANAGEMENT BUREAU

MUNI BUS RAPID TRANSIT SYSTEM
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT
VAN NESS AVENUE SEWER REPLACEMENT
CTL 194+50 TO 199+00
PLAN

CITY AND COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
DESIGN & ENGINEERING

SECTION MANAGER <i>[Signature]</i>	DRAWN A. MOMBENI 08/2016
DEPUTY DIVISION MANAGER <i>[Signature]</i>	DESIGNED C. HSIEH 08/2016
DIVISION MANAGER	CHECKED L. WONG 08/2016

SECTION MANAGER	CHECKED	DRAWN	SCALE AS NOTED
DIVISION MANAGER	RECOMMENDED	DESIGNED	DATE

APPROVED	APPROVED
MANAGER	ASSISTANT GENERAL MANAGER WASTEWATER ENTERPRISE

REFERENCES
GATE BOOK PAGES, PLANS,
SURVEY NOTES, ETC., USED

70,261
70,712
88,004

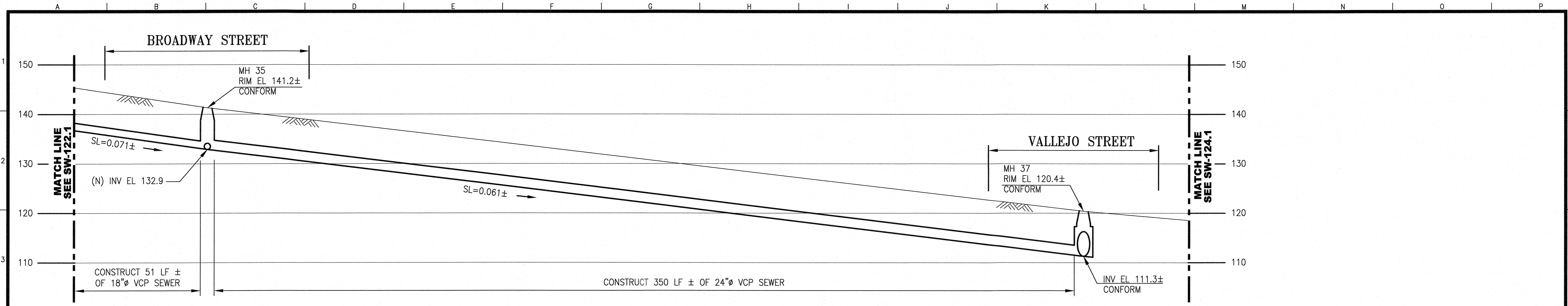


ELEVATION DATUM
CITY

NO.	DATE	DESCRIPTION	BY	APPR'D
REVISIONS				

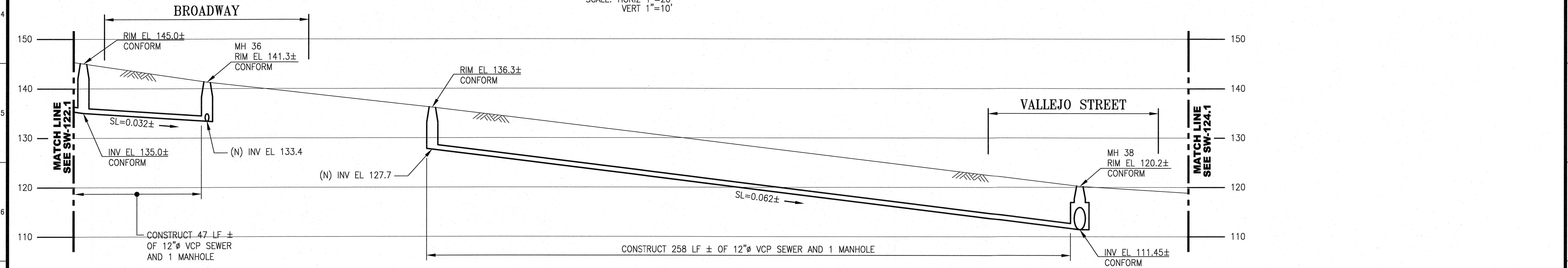
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HYD JOB ORDER NO. 2449J



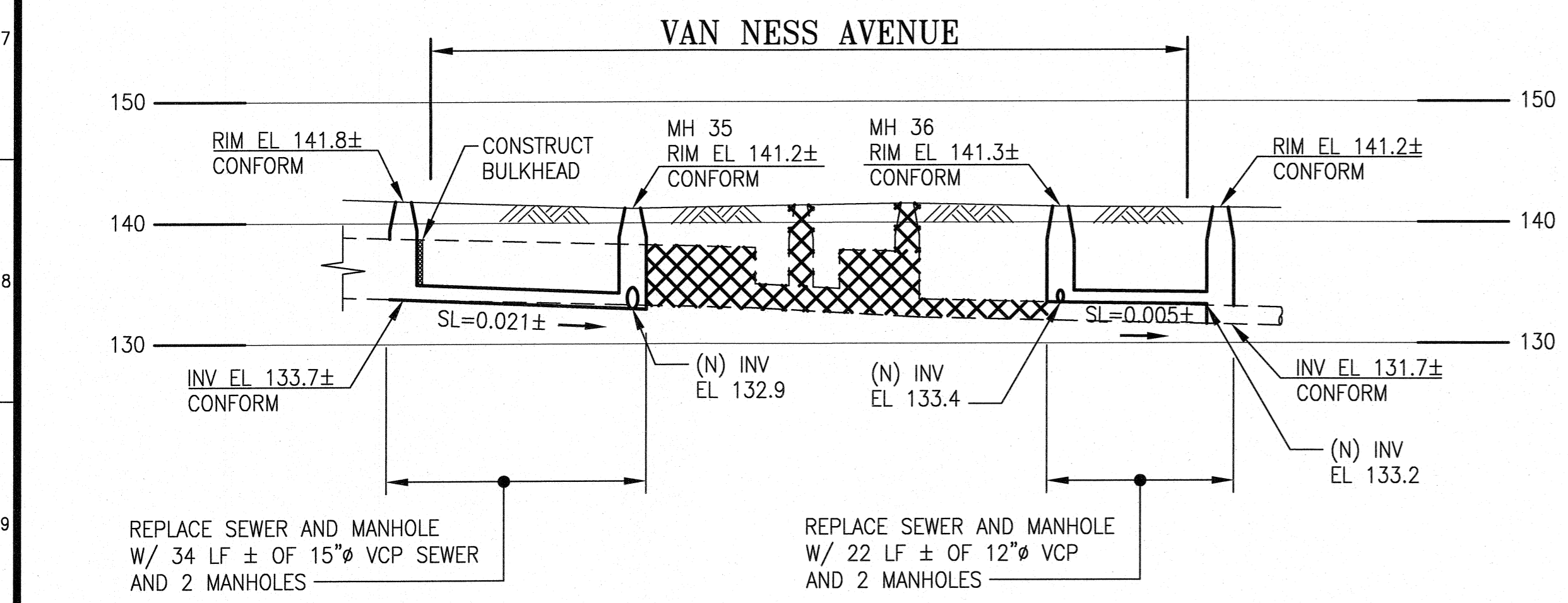
PROFILE A

SCALE: HORIZ 1"=20'
VERT 1"=10'



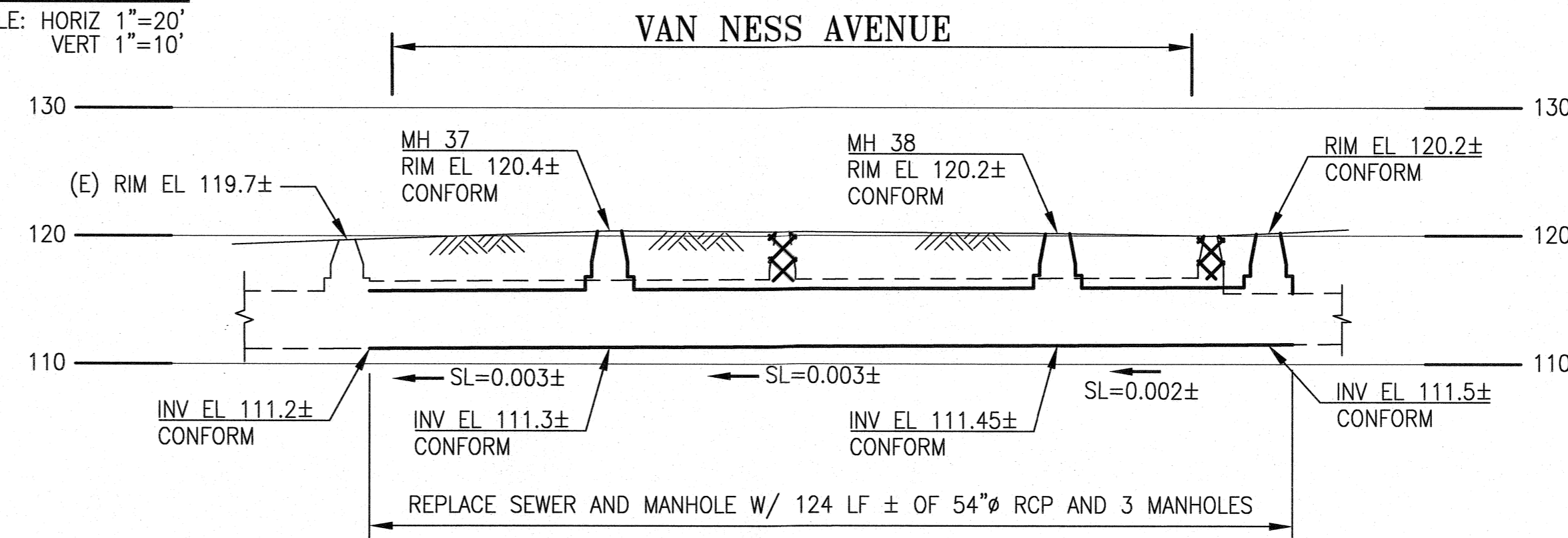
PROFILE B

SCALE: HORIZ 1"=20'
VERT 1"=10'



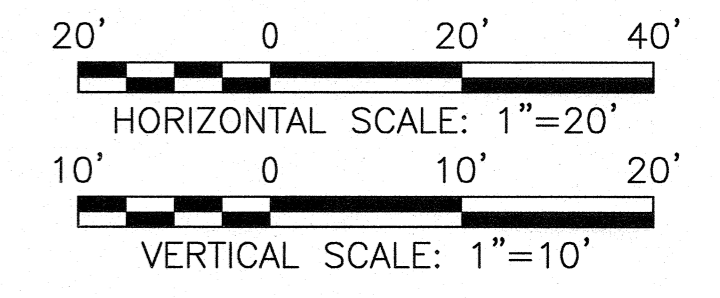
PROFILE C (LOOKING NORTH)

SCALE: HORIZ 1"=20'
VERT 1"=10'



PROFILE D (LOOKING NORTH)

SCALE: HORIZ 1"=20'
VERT 1"=10'

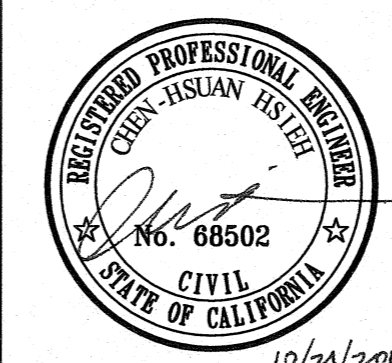


CONTRACT NO. 1289

CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
ENGINEERING MANAGEMENT BUREAU

MUNI BUS RAPID TRANSIT SYSTEM
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT
VAN NESS AVENUE SEWER WORK
CTL 194+50 TO 199+00
PROFILE

REFERENCES
GATE BOOK PAGES, PLANS,
SURVEY NOTES, ETC. USED
70,261
70,712
88,004



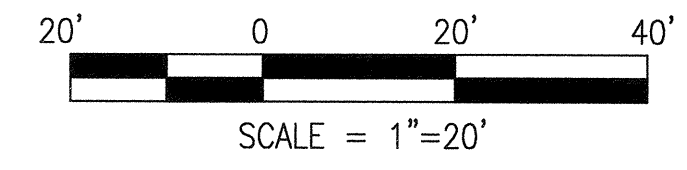
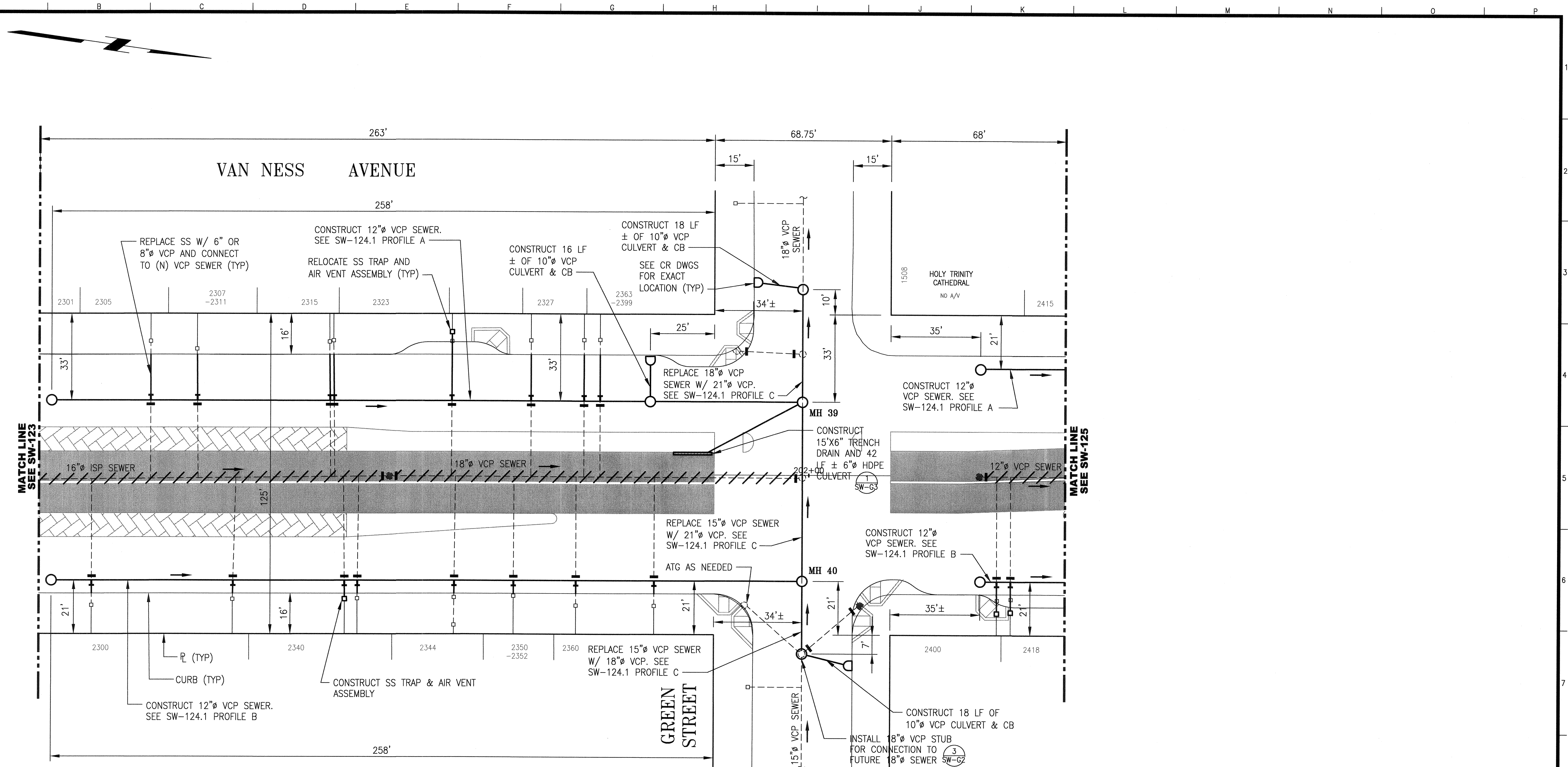
CITY AND COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
DESIGN & ENGINEERING

SECTION MANAGER: A. MOMBENI 10/21/2016
DEPUTY DIVISION MANAGER: C. HSIEH 11/2015
DIVISION MANAGER: L. WONG 11/2015

ELEVATION
DATUM
CITY

NO.	DATE	DESCRIPTION	BY	APPR'D
REVISIONS				

SECTION MANAGER	CHECKED	DRAWN	SCALE
			AS NOTED
DIVISION MANAGER	RECOMMENDED	DESIGNED	DATE
APPROVED		APPROVED	
MANAGER		ASSISTANT GENERAL MANAGER WASTEWATER ENTERPRISE	
SHEET	OF	PLAN NO.	DRAWING NO.
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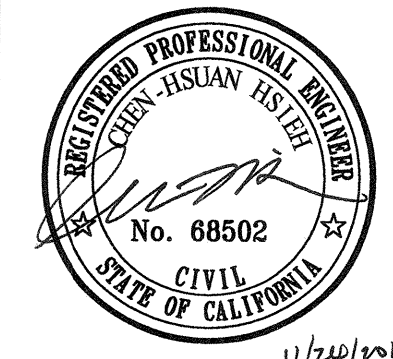


CONTRACT NO. 1289

CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
 ENGINEERING MANAGEMENT BUREAU

MUNI BUS RAPID TRANSIT SYSTEM
 VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT
VAN NESS AVENUE SEWER REPLACEMENT
 CTL 199+00 TO 203+00
 PLAN

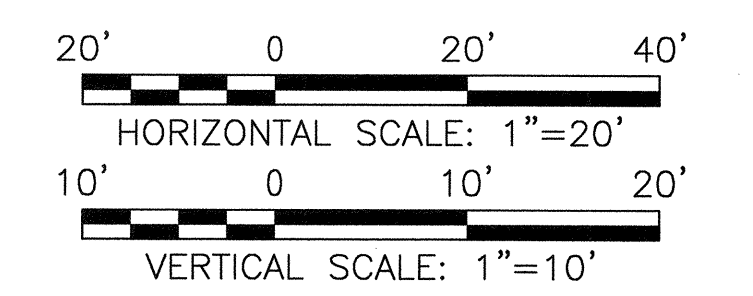
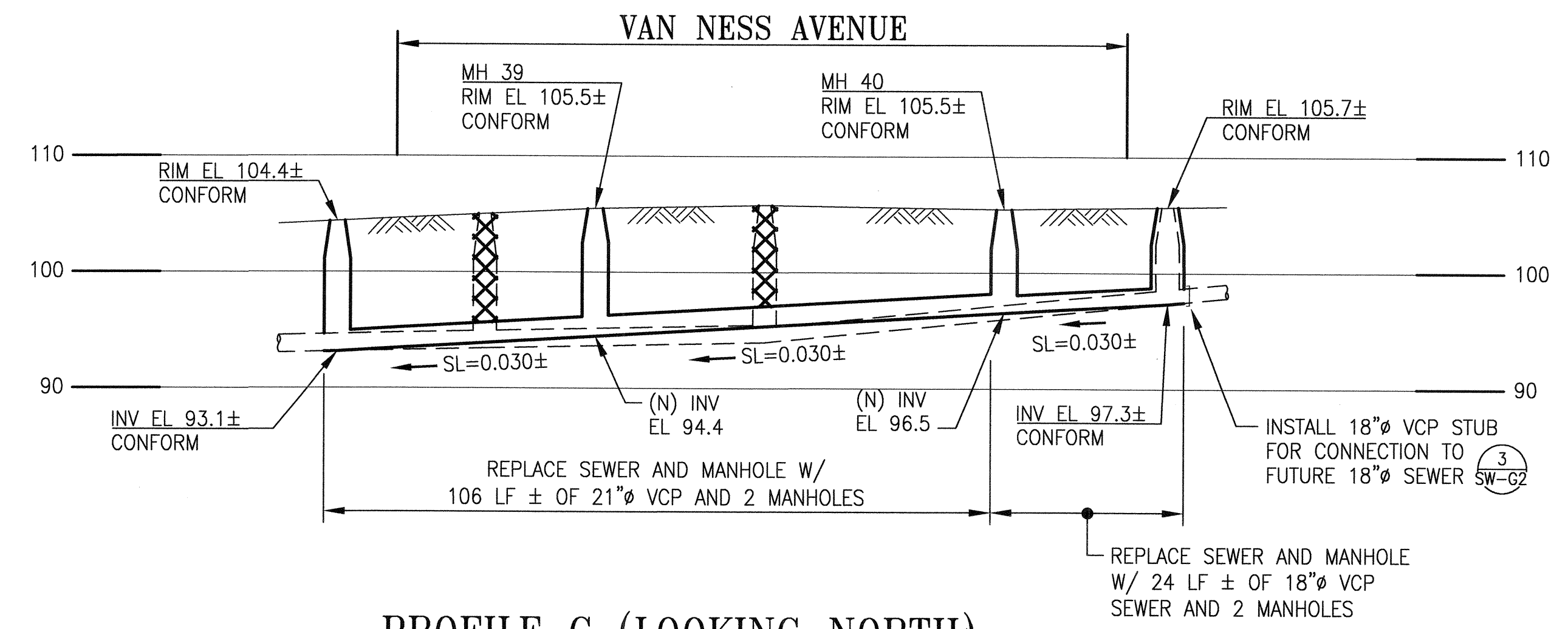
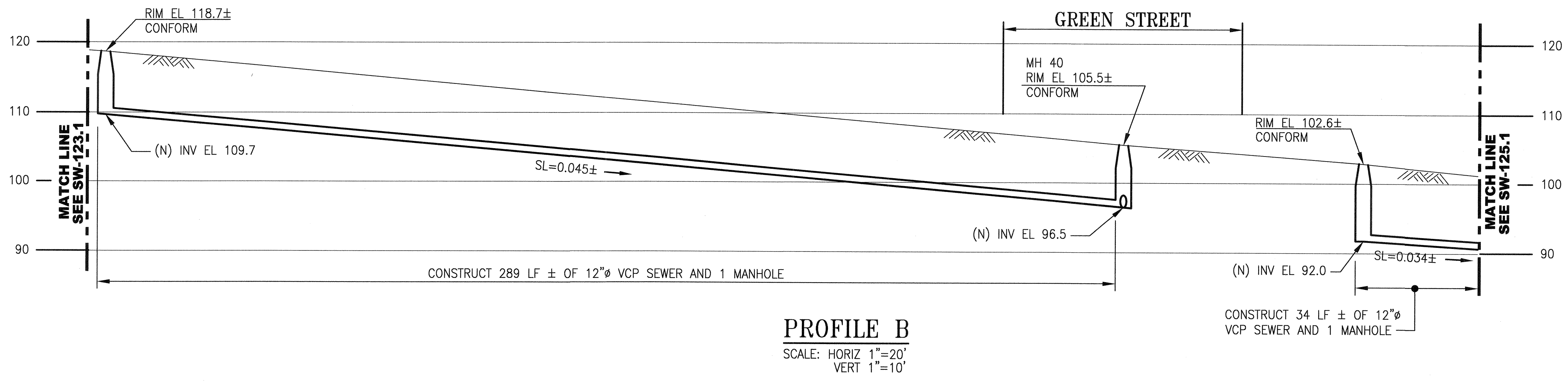
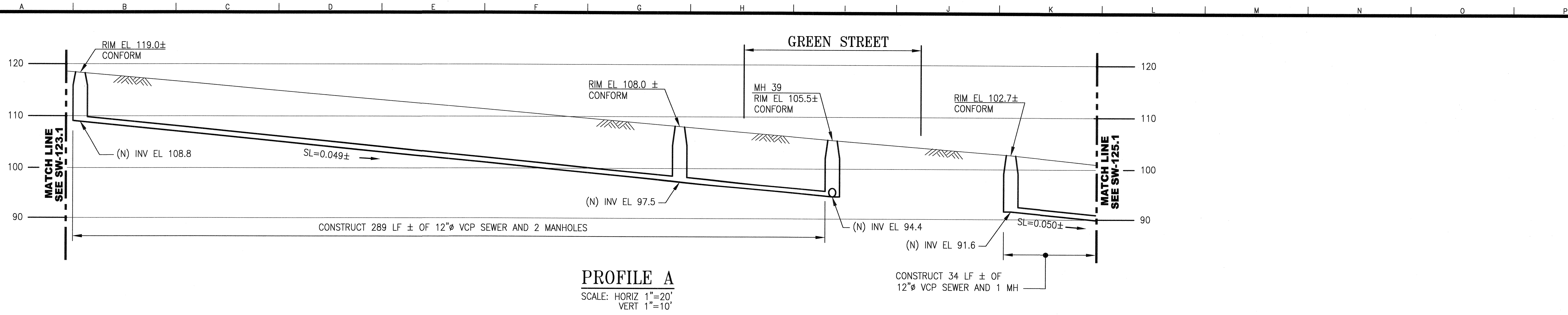
REFERENCES
 GATE BOOK PAGES, PLANS,
 SURVEY NOTES, ETC., USED
 43,783
 70,261



SECTION MANAGER <i>[Signature]</i> 11/24/15		DRAWN A. MOMBENI 11/11/2015		
DEPUTY DIVISION MANAGER <i>[Signature]</i> 11/25/15		DESIGNED C. HSIEH 11/11/2015		
DIVISION MANAGER <i>[Signature]</i> 11/30/15		CHECKED L. WONG 11/11/2015		
NO.	DATE	DESCRIPTION	BY	APPR'D
REVISIONS				

SECTION MANAGER	CHECKED	DRAWN	SCALE AS NOTED
DIVISION MANAGER	RECOMMENDED	DESIGNED	DATE
APPROVED <i>[Signature]</i> MANAGER		APPROVED <i>[Signature]</i> ASSISTANT GENERAL MANAGER WASTEWATER ENTERPRISE	
SHEET	OF	PLAN NO. DRAWING NO.	REVISION NO.
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ELEVATION DATUM CITY

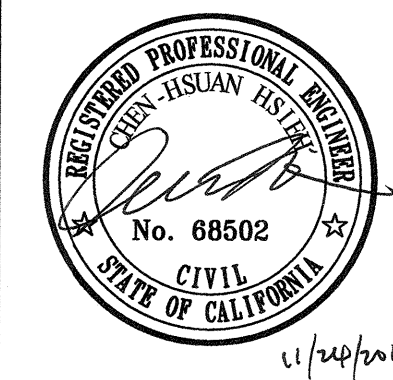


CONTRACT NO. 1289

CITY AND COUNTY OF SAN FRANCISCO PUBLIC UTILITIES COMMISSION ENGINEERING MANAGEMENT BUREAU			
MUNI BUS RAPID TRANSIT SYSTEM VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT			
VAN NESS AVENUE SEWER WORK CTL 199+00 TO 203+00 PROFILE			
SECTION MANAGER	CHECKED	DRAWN	SCALE AS NOTED
DEPUTY DIVISION MANAGER	RECOMMENDED	DESIGNED	DATE
DIVISION MANAGER	APPROVED	MANAGER	ASSISTANT GENERAL MANAGER WASTEWATER ENTERPRISE
NO.	DATE	DESCRIPTION	BY APPR'D
SHEET OF		PLAN NO.	DRAWING NO.
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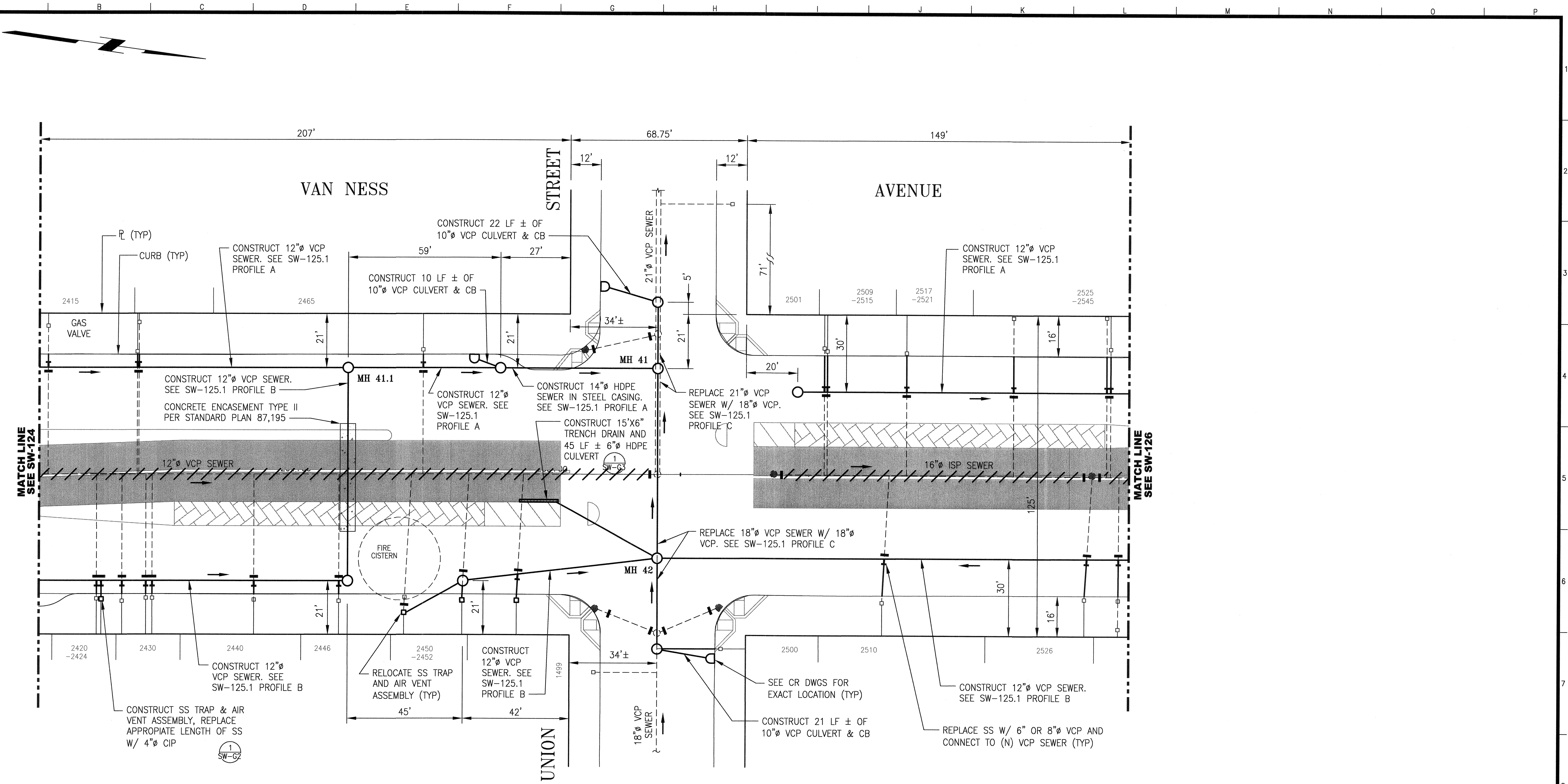
REFERENCES
GATE BOOK PAGES, PLANS,
SURVEY NOTES, ETC., USED

43,783
70,261



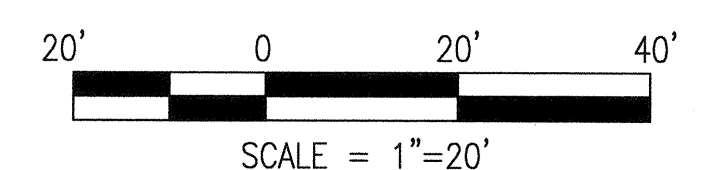
CITY AND COUNTY OF SAN FRANCISCO SAN FRANCISCO PUBLIC WORKS DESIGN & ENGINEERING			
SECTION MANAGER	DRAWN	DATE	
DEPUTY DIVISION MANAGER	DESIGNED	DATE	
DIVISION MANAGER	CHECKED	DATE	

ELEVATION
DATUM
CITY



MATCH LINE
SEE SW-124

MATCH LINE
SEE SW-126

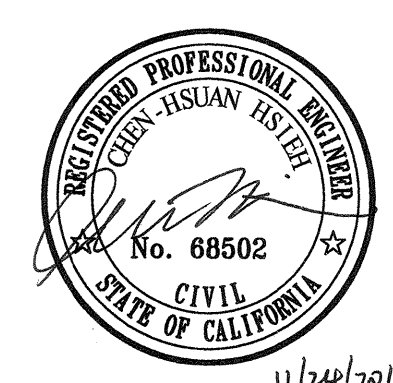


CONTRACT NO. 1289

CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
ENGINEERING MANAGEMENT BUREAU

MUNI BUS RAPID TRANSIT SYSTEM
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT
VAN NESS AVENUE SEWER REPLACEMENT
CTL 203+00 TO 207+25
PLAN

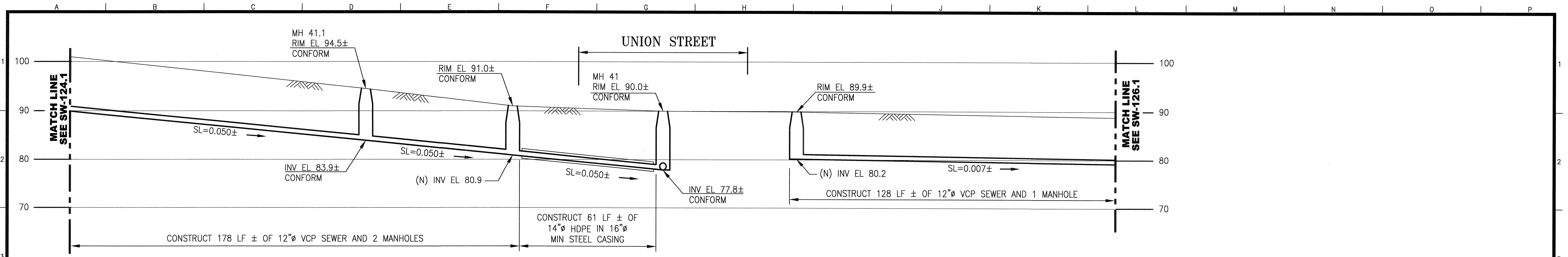
REFERENCES
GATE BOOK PAGES, PLANS,
SURVEY NOTES, ETC. USED
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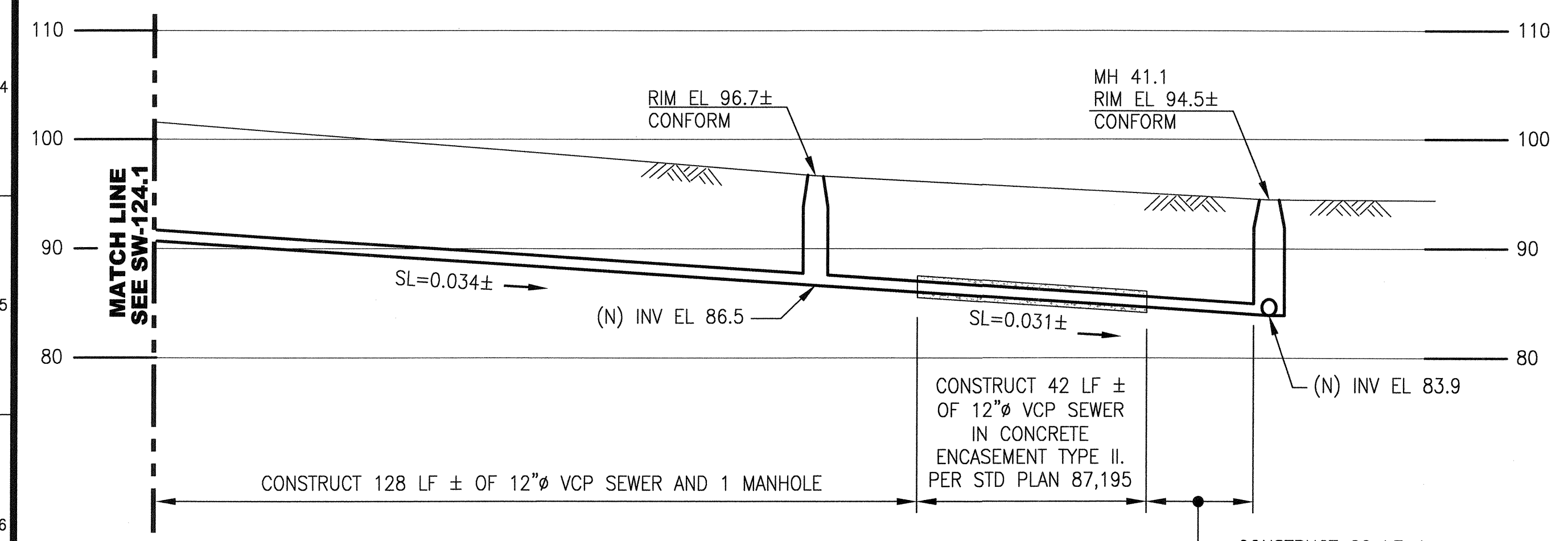
SECTION MANAGER <i>[Signature]</i> 11/24/15		DRAWN A. MOMBENI 11/2015		
DEPUTY DIVISION MANAGER <i>[Signature]</i> 11/25/15		DESIGNED C. HSIEH 11/2015		
DIVISION MANAGER <i>[Signature]</i> 11/20/15		CHECKED L. WONG 11/2015		
NO.	DATE	DESCRIPTION	BY	APPR'D
REVISIONS				

SECTION MANAGER	CHECKED	DRAWN	SCALE
DIVISION MANAGER	RECOMMENDED	DESIGNED	AS NOTED
APPROVED <i>[Signature]</i> MANAGER	APPROVED <i>[Signature]</i> ASSISTANT GENERAL MANAGER WASTEWATER ENTERPRISE	DATE	DATE
SHEET	OF	PLAN NO. DRAWING NO.	REVISION NO.
		102,760 SW-125	0

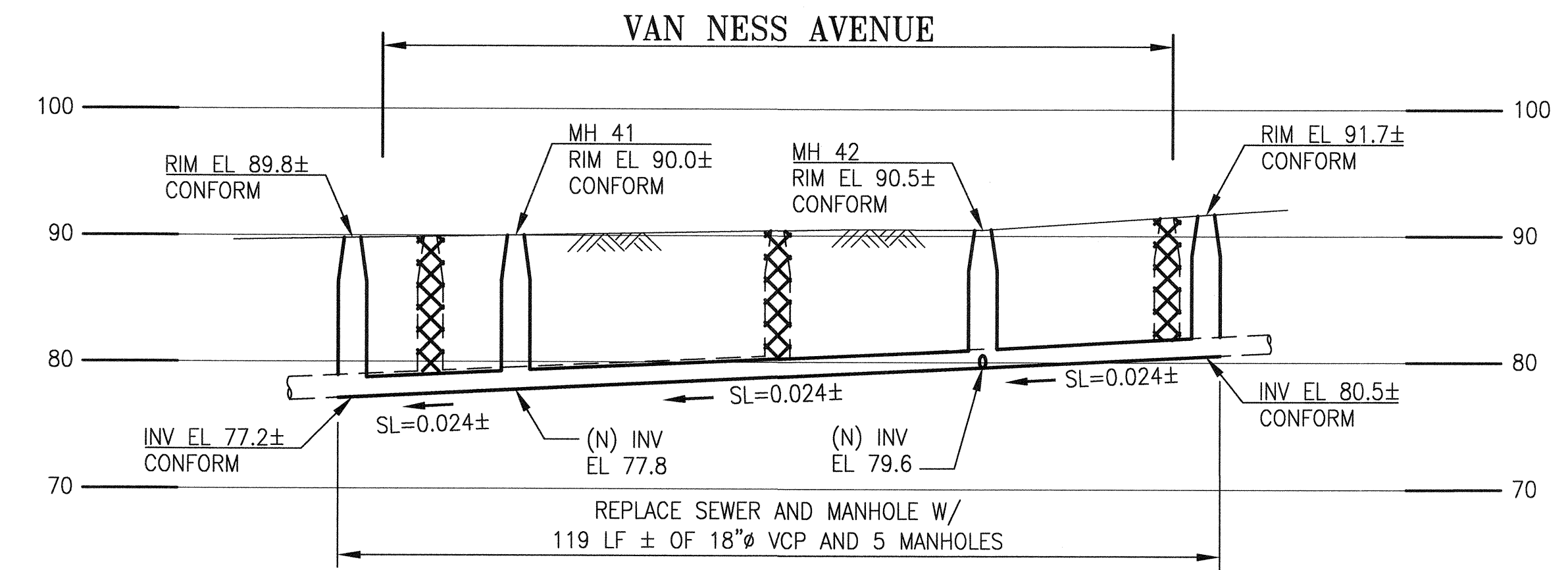
ELEVATION
DATUM
CITY



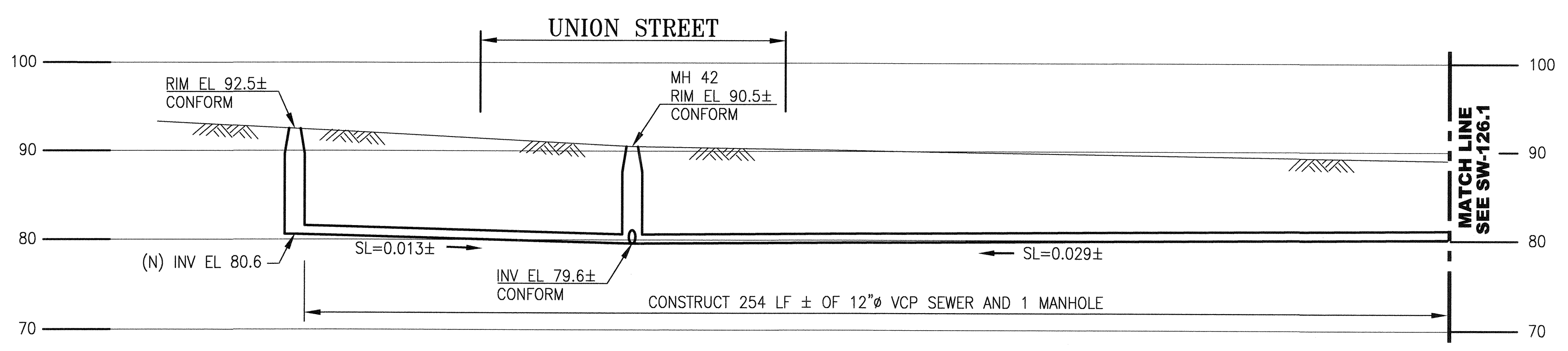
PROFILE A
SCALE: HORIZ 1"=20'
VERT 1"=10'



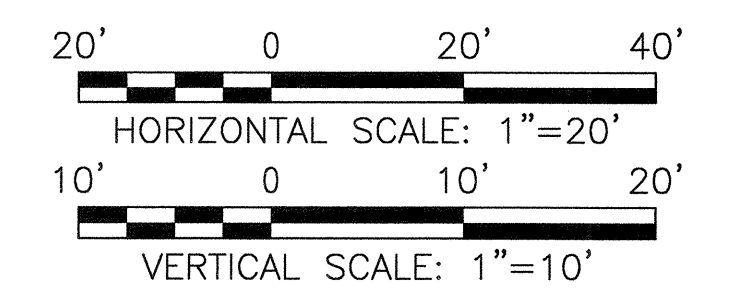
PROFILE B
SCALE: HORIZ 1"=20'
VERT 1"=10'



PROFILE C (LOOKING NORTH)
SCALE: HORIZ 1"=20'
VERT 1"=10'



PROFILE B
SCALE: HORIZ 1"=20'
VERT 1"=10'



CONTRACT NO. 1289

CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
ENGINEERING MANAGEMENT BUREAU

MUNI BUS RAPID TRANSIT SYSTEM
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT
VAN NESS AVENUE SEWER WORK
CTL 203+00 TO 207+25
PROFILE

REFERENCES
GATE BOOK PAGES, PLANS,
SURVEY NOTES, ETC., USED
43,783



CITY AND COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
DESIGN & ENGINEERING

SECTION MANAGER: [Signature] 11/24/15
DESIGNED: A. MOMBENI 11/11/2015
CHECKED: C. HSIEH 11/25/15
L. WONG 11/20/15

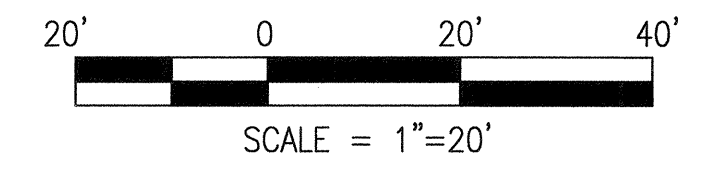
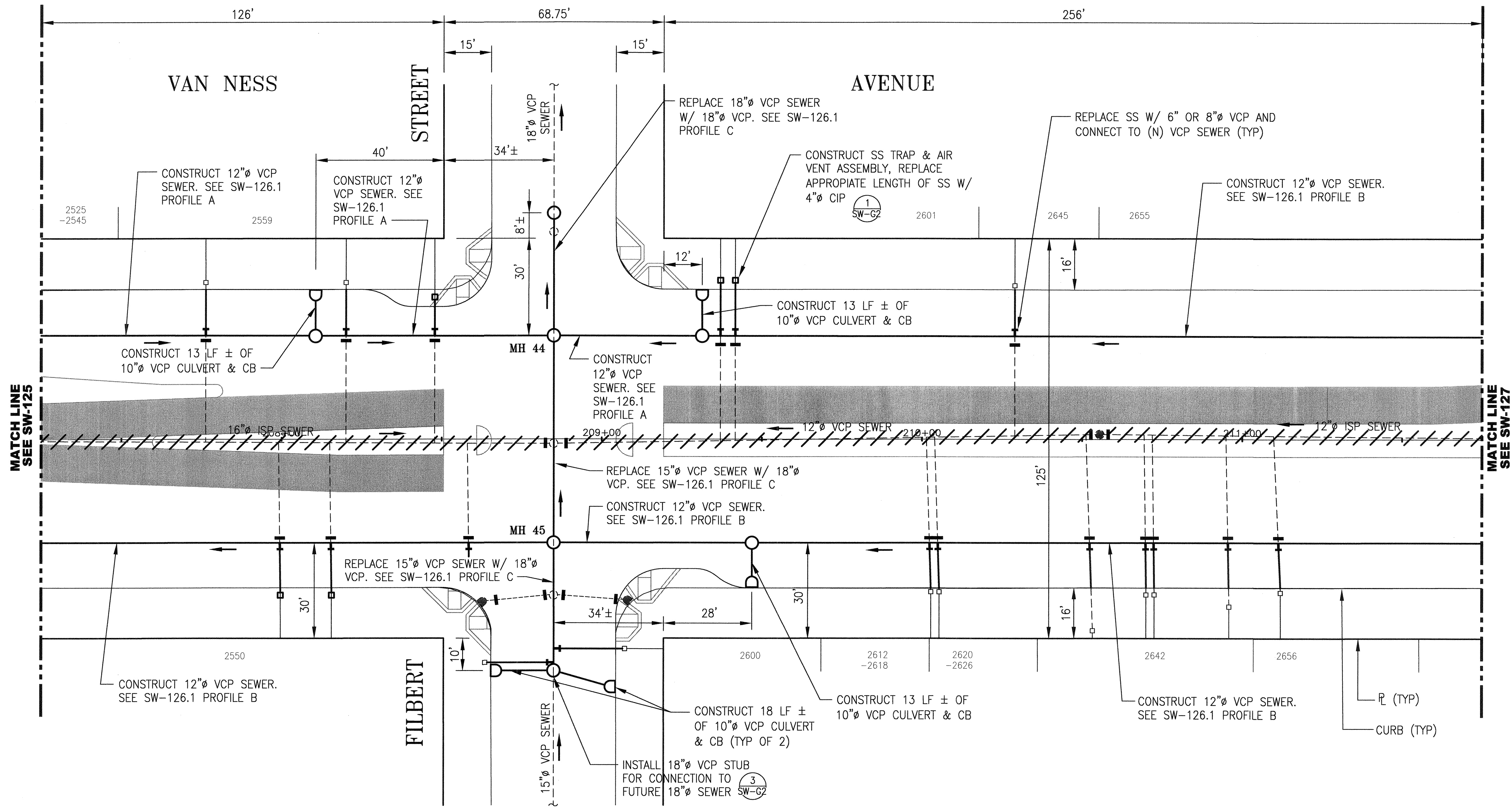
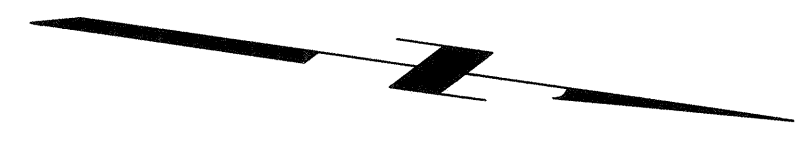
SECTION MANAGER	CHECKED	DRAWN	SCALE AS NOTED
DIVISION MANAGER	RECOMMENDED	DESIGNED	DATE

APPROVED: [Signature]
MANAGER
ASSISTANT GENERAL MANAGER
MASTER WATER ENTERPRISE

NO.	DATE	DESCRIPTION	BY	APPR'D
REVISIONS				

SHEET OF 102,761 SW-125.1 0

ELEVATION DATUM CITY

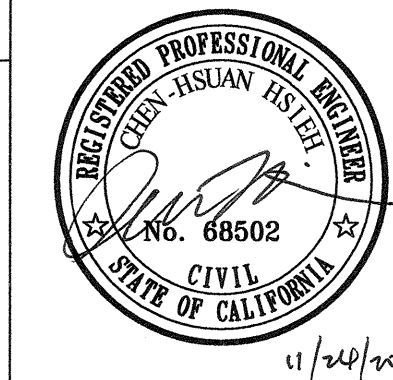


CONTRACT NO. 1289

CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
ENGINEERING MANAGEMENT BUREAU

MUNI BUS RAPID TRANSIT SYSTEM
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT
VAN NESS AVENUE SEWER REPLACEMENT
CTL 207+25 TO 211+75
PLAN

REFERENCES
GATE BOOK PAGES, PLANS,
SURVEY NOTES, ETC., USED
53,073
53,088
74,138



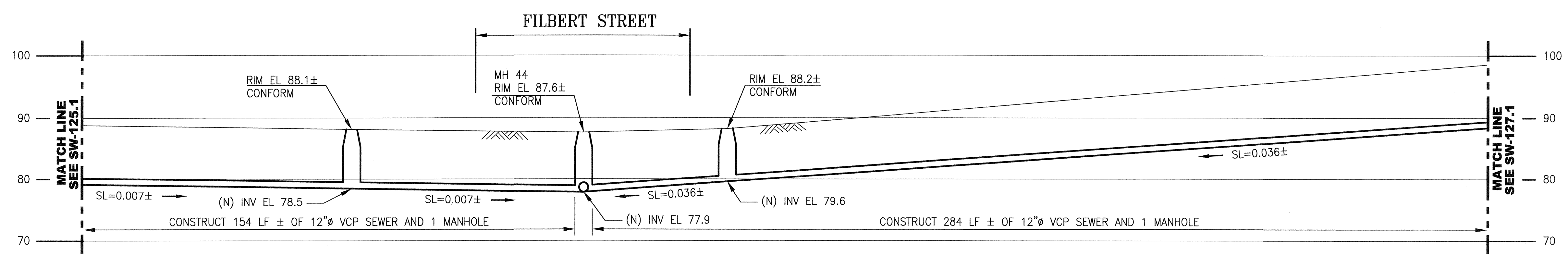
CITY AND COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
DESIGN & ENGINEERING

SECTION MANAGER <i>[Signature]</i> 11/24/15	DRAWN A. MOMBENI 11/11/2015
DEPUTY DIVISION MANAGER <i>[Signature]</i> 11/25/15	DESIGNED C. HSIEH 11/11/2015
DIVISION MANAGER <i>[Signature]</i> 11/30/15	CHECKED L. WONG 11/11/2015

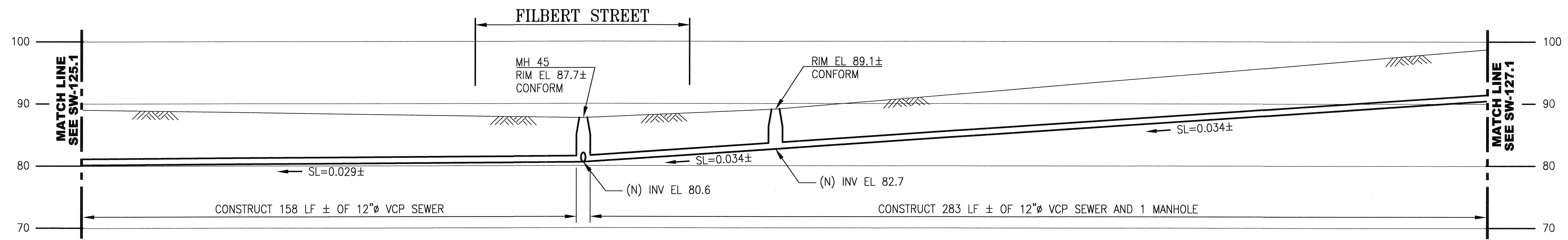
NO.	DATE	DESCRIPTION	BY	APPR'D
REVISIONS				

SECTION MANAGER	CHECKED	DRAWN	SCALE AS NOTED
DIVISION MANAGER	RECOMMENDED	DESIGNED	DATE
APPROVED <i>[Signature]</i> MANAGER		APPROVED <i>[Signature]</i> ASSISTANT GENERAL MANAGER WASTEWATER ENTERPRISE	
SHEET OF	PLAN NO. 102,762	DRAWING NO. SW-126	REVISION NO. 0

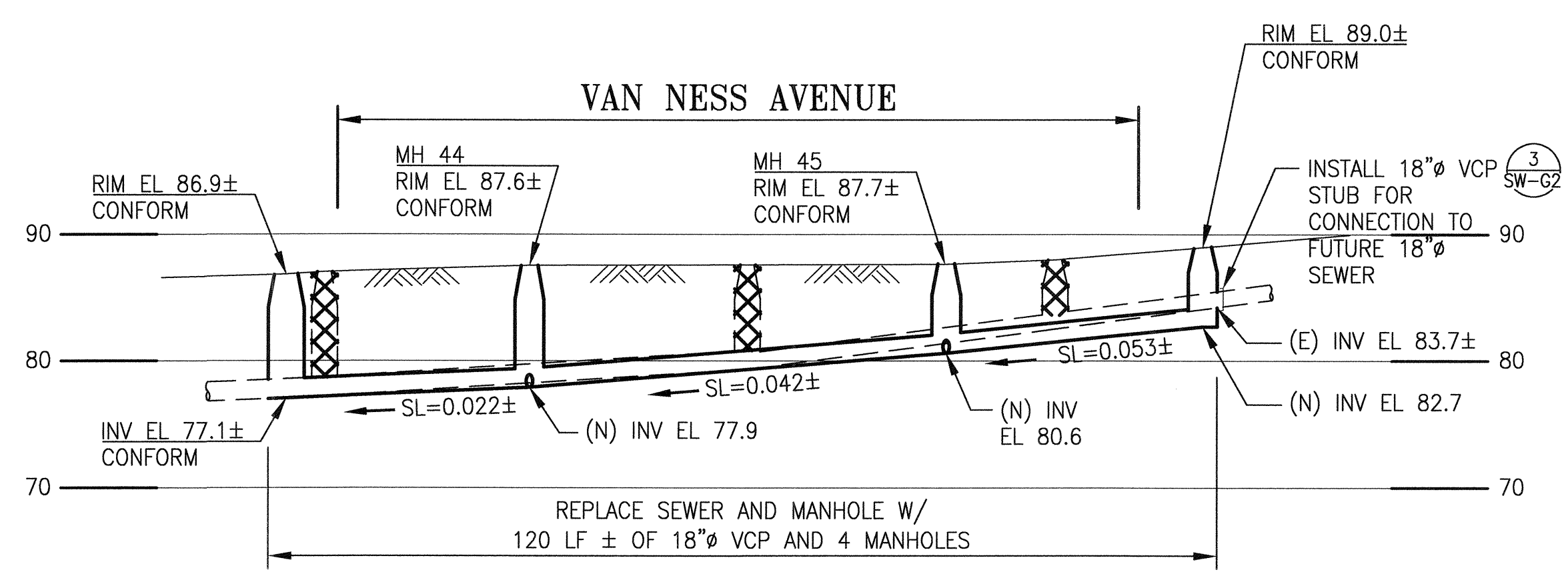
ELEVATION DATUM CITY



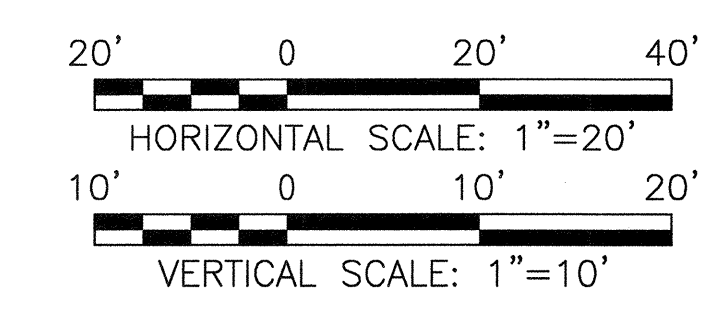
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SCALE: HORIZ 1"=20'
VERT 1"=10'



PROFILE B
SCALE: HORIZ 1"=20'
VERT 1"=10'



PROFILE C (LOOKING NORTH)
SCALE: HORIZ 1"=20'
VERT 1"=10'



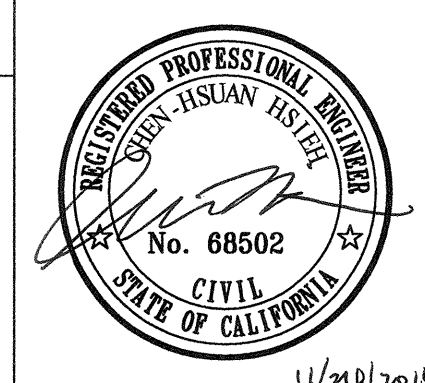
CONTRACT NO. 1289

CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
ENGINEERING MANAGEMENT BUREAU

MUNI BUS RAPID TRANSIT SYSTEM
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT
VAN NESS AVENUE SEWER WORK
CTL 207+25 TO 211+75
PROFILE

REFERENCES
GATE BOOK PAGES, PLANS, SURVEY NOTES, ETC., USED

53,073
53,088
74,138



CITY AND COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
DESIGN & ENGINEERING

SECTION MANAGER <i>Debra Wong</i> 11/24/15	DRAWN A. MOMBENI 11/20/15
DEPUTY DIVISION MANAGER <i>Sharon</i> 11/25/15	DESIGNED C. HSIEH 11/20/15
DIVISION MANAGER <i>Paul</i> 11/30/15	CHECKED L. WONG 11/20/15

SECTION MANAGER	CHECKED	DRAWN	SCALE AS NOTED
DIVISION MANAGER	RECOMMENDED	DESIGNED	DATE

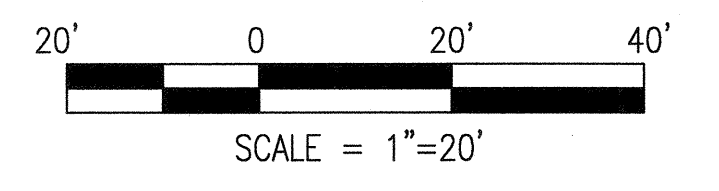
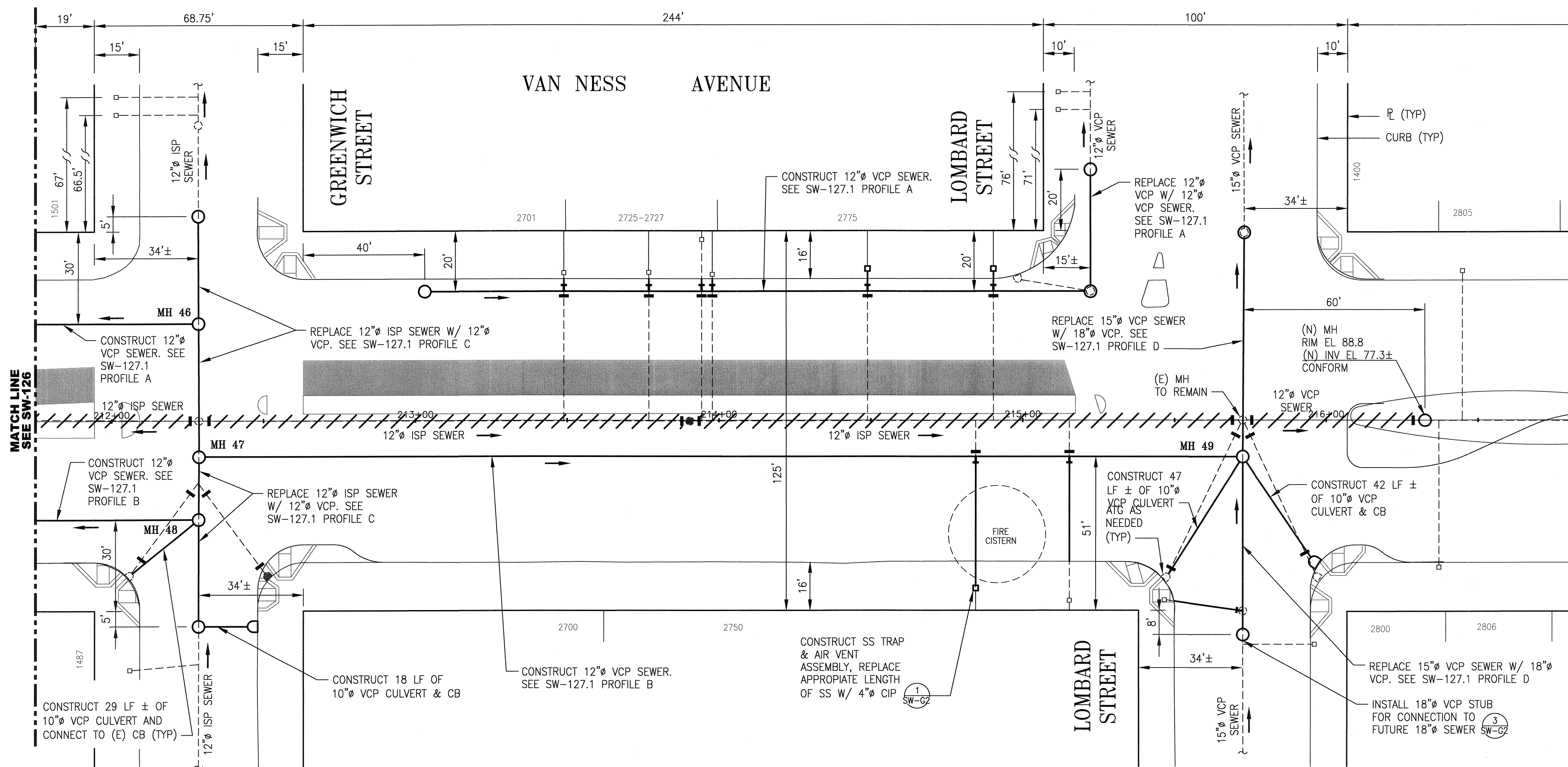
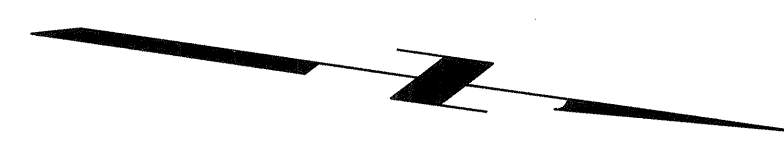
APPROVED
[Signature]
MANAGER

APPROVED
[Signature]
ASSISTANT GENERAL MANAGER
WASTEWATER ENTERPRISE

ELEVATION DATUM CITY

NO.	DATE	DESCRIPTION	BY	APPR'D
REVISIONS				

SHEET OF 102,763 SW-126.1 0



CONTRACT NO. 1289

CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
ENGINEERING MANAGEMENT BUREAU

MUNI BUS RAPID TRANSIT SYSTEM
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT
VAN NESS AVENUE SEWER REPLACEMENT
CTL 211+75 TO 216+25
PLAN

CITY AND COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
DESIGN & ENGINEERING

SECTION MANAGER <i>Maly</i> 11/20/15	DRAWN A.MOMBENI 11/20/15
DEPUTY DIVISION MANAGER <i>Wang</i> 11/25/15	DESIGNED C.HSIEH 11/20/15
DIVISION MANAGER <i>Wang</i> 11/20/15	CHECKED L.WONG 11/20/15

SECTION MANAGER	CHECKED	DRAWN	SCALE AS NOTED
DIVISION MANAGER	RECOMMENDED	DESIGNED	DATE

APPROVED
[Signature]
MANAGER

APPROVED
[Signature]
ASSISTANT GENERAL MANAGER
WASTEWATER ENTERPRISE

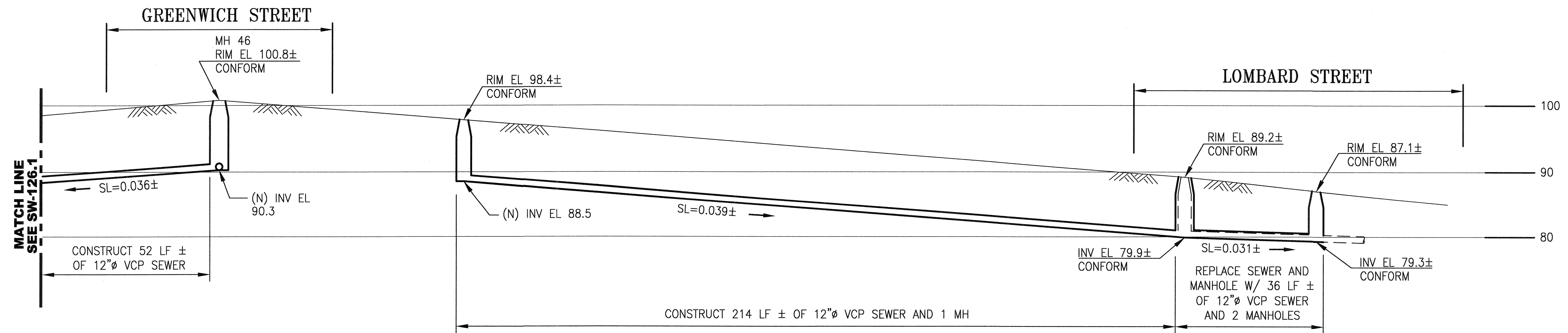
REFERENCES
GATE BOOK PAGES, PLANS,
SURVEY NOTES, ETC., USED



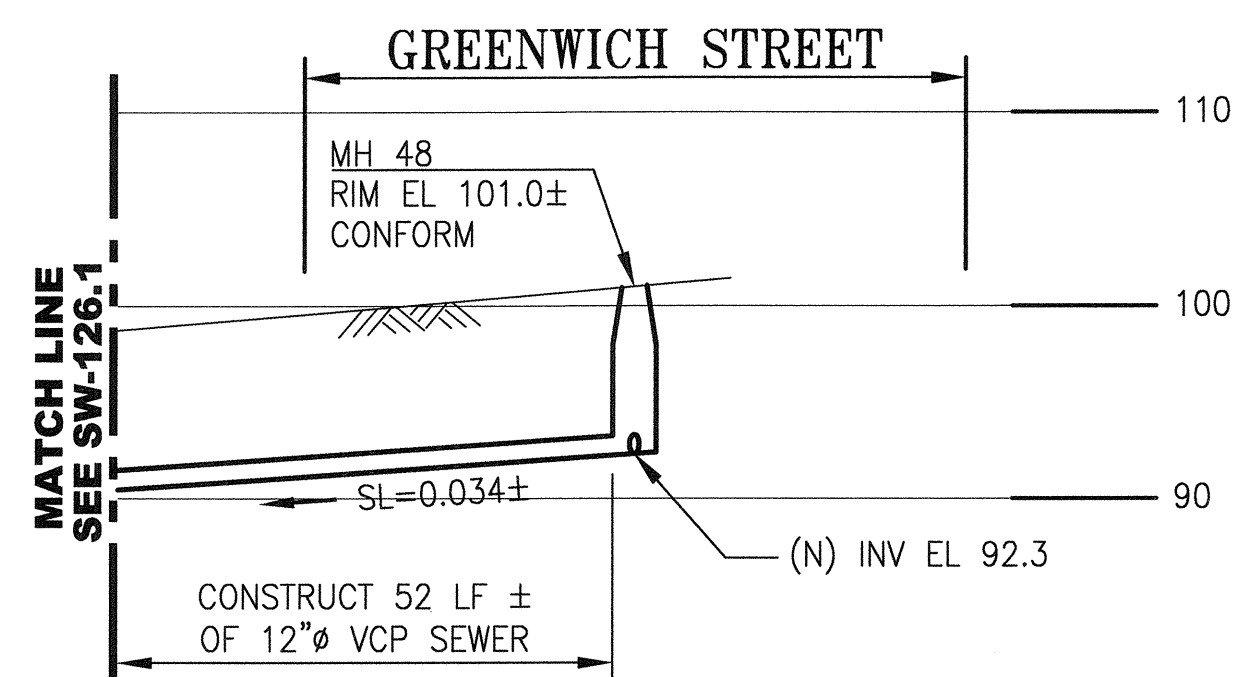
ELEVATION
DATUM
CITY

NO.	DATE	DESCRIPTION	BY	APPR'D
REVISIONS				

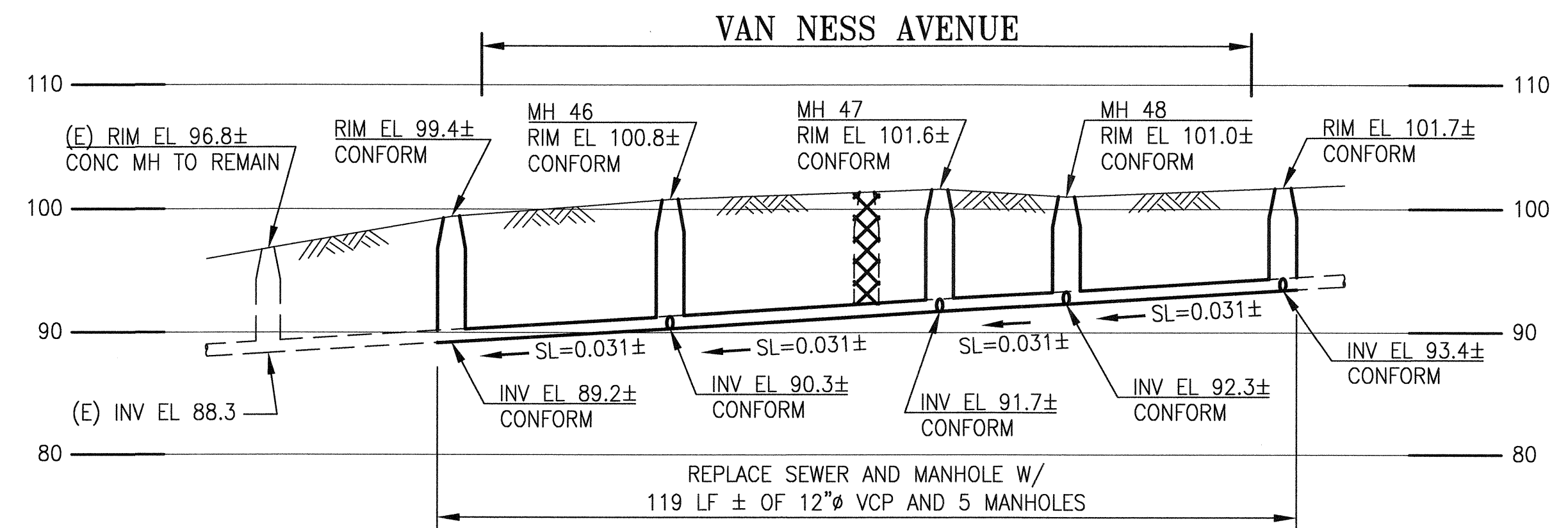
SHEET OF 102,764 SW-127 0



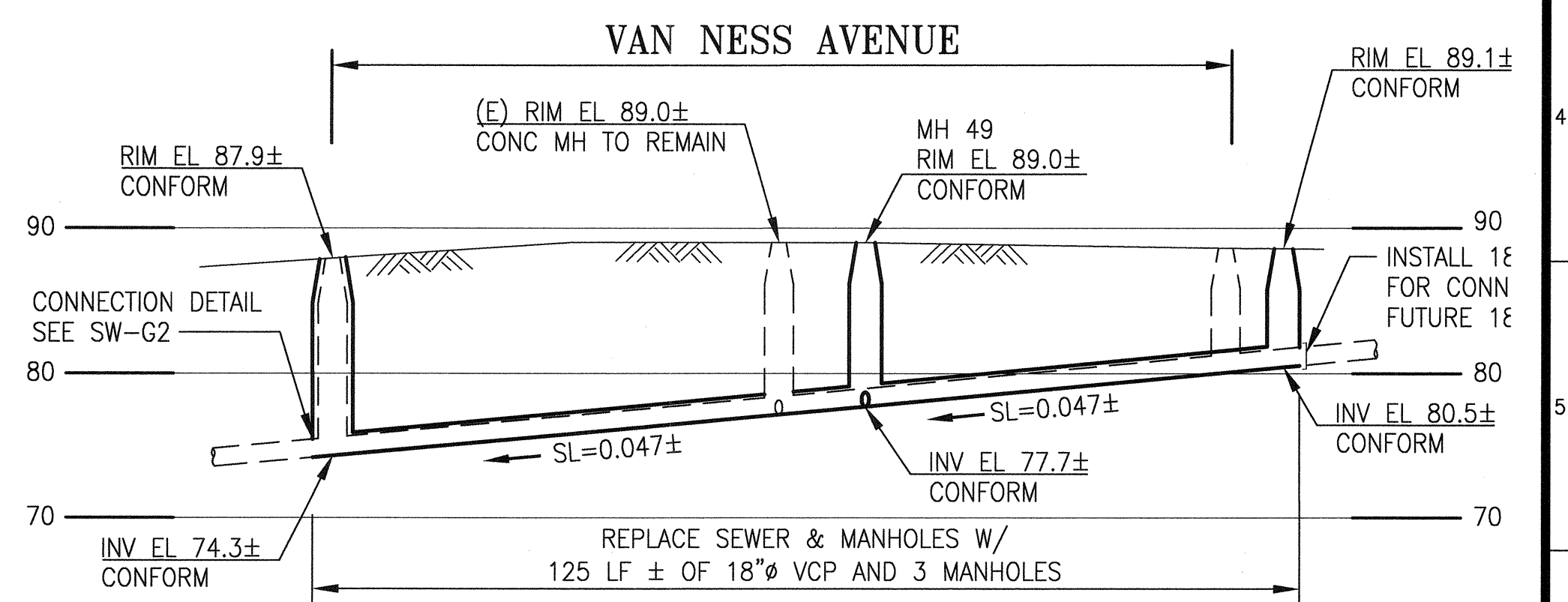
PROFILE A
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VERT 1"=10'



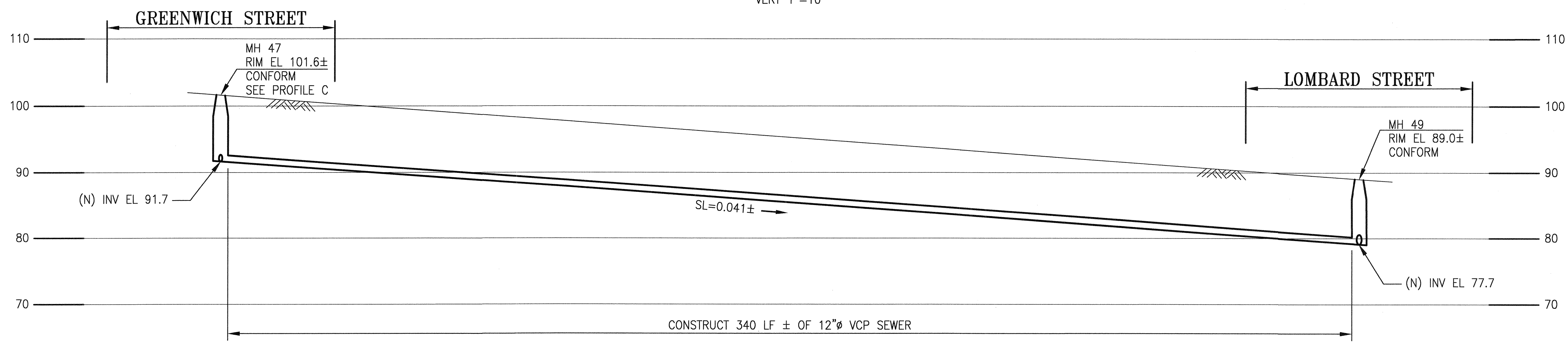
PROFILE B
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VERT 1"=10'



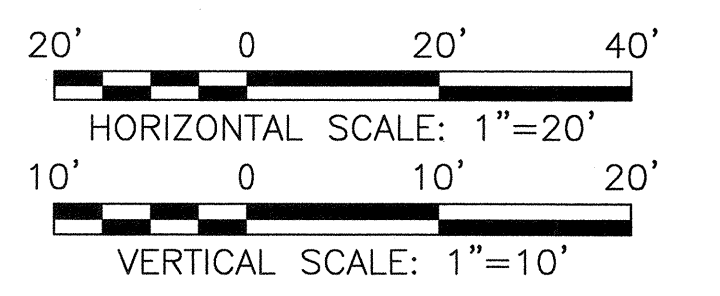
PROFILE C (LOOKING NORTH)
SCALE: HORIZ 1"=20'
VERT 1"=10'



PROFILE D (LOOKING NORTH)
SCALE: HORIZ 1"=20'
VERT 1"=10'



PROFILE B
SCALE: HORIZ 1"=20'
VERT 1"=10'

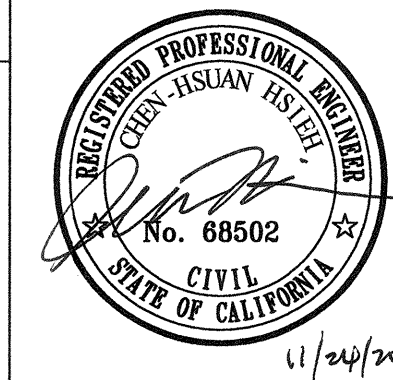


CONTRACT NO. 1289

CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
ENGINEERING MANAGEMENT BUREAU

MUNI BUS RAPID TRANSIT SYSTEM
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT
VAN NESS AVENUE SEWER WORK
CTL 211+75 TO 216+25
PROFILE

REFERENCES
GATE BOOK PAGES, PLANS,
SURVEY NOTES, ETC., USED



CITY AND COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
DESIGN & ENGINEERING

SECTION MANAGER <i>[Signature]</i> 11/24/15	DRAWN A. MOMBENI 11/24/15
DEPUTY DIVISION MANAGER <i>[Signature]</i> 11/25/15	DESIGNED C. HSIEH 11/25/15
DIVISION MANAGER <i>[Signature]</i> 11/30/15	CHECKED L. WONG 11/30/15

SECTION MANAGER	CHECKED	DRAWN	SCALE AS NOTED
DIVISION MANAGER	RECOMMENDED	DESIGNED	DATE

APPROVED <i>[Signature]</i> MANAGER	APPROVED <i>[Signature]</i> ASSISTANT GENERAL MANAGER WASTEWATER ENTERPRISE			
NO.	DATE	DESCRIPTION	BY	APPR'D
REVISIONS				

ELEVATION
DATUM
CITY

SHEET OF 102,765 SW-127.1 0