

THIS PRINT COVERS CALENDAR ITEM NO.: 14

**SAN FRANCISCO
MUNICIPAL TRANSPORTATION AGENCY**

DIVISION: Capital Programs and Construction

BRIEF DESCRIPTION:

Authorizing the Director of Transportation to execute Modification No. 14 to SFMTA Contract No. 1289, Van Ness Corridor Transit Improvement Project, with Walsh Construction Company II, LLC, to perform various roadway work in the amount of \$717,877.56, for a total Contract amount not to exceed \$222,465,143.57, with no time extension.

SUMMARY:

- On July 7, 2015, the SFMTA Board of Directors awarded SFMTA Contract No. 1289, Van Ness Corridor Transit Improvement Project (Contract), to Walsh Construction Company II, LLC (Walsh), in an amount not to exceed \$800,000 and a term of 300 days, to provide pre-construction services for the Project.
- In August 2016, this Board approved Modification No. 1 for construction services, increasing the Contract to an amount not to exceed \$193,827,555, with an overall term not to exceed five years.
- Contract Modifications Nos. 2 thru 13 added \$27,919,711.01 to the Contract amount and extended the term by 279 days.
- Contract Modification No. 14 adds various roadway work in the amount of \$717,877.56, with no time extension.

ENCLOSURES:

1. SFMTAB Resolution
2. Contract Modification No. 14
3. Project Budget and Financial Plan
4. Van Ness Corridor Transit Improvement Project Final EIS/EIR:
<https://www.sfcta.org/projects/van-ness-improvement-project#panel-reports-documents>
5. SFMTA Board Resolution No. 13-214:
<https://www.sfmta.com/sites/default/files/agendaitems/2016/09-17-13--13-214.pdf>

APPROVALS:

DATE

DIRECTOR		October 13, 2021
SECRETARY		October 13, 2021

ASSIGNED SFMTAB CALENDAR DATE: October 19, 2021

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PURPOSE

The purpose of this calendar item is to authorize the Director of Transportation to execute Modification No. 14 to SFMTA Contract No. 1289, Van Ness Corridor Transit Improvement Project, with Walsh Construction Company II, LLC, to perform various roadway work in the amount of \$717,877.56, for a total Contract amount not to exceed \$222,465,143.57, with no time extension.

STRATEGIC PLAN GOALS AND TRANSIT FIRST POLICY PRINCIPLES

Goal 1: Create a safer transportation experience for everyone

Objective 1.1: Achieve Vision Zero by eliminating all traffic deaths.

Objective 1.2: Improve the safety of the transit system.

Goal 2: Make transit and other sustainable modes of transportation the most attractive and preferred means of travel.

Objective 2.1: Improve transit service.

Objective 2.2: Enhance and expand use of the city's sustainable modes of transportation.

Objective 2.3: Manage congestion and parking demand to support the Transit First Policy.

Goal 3: Improve the environment and quality of life in San Francisco

Objective 3.2: Advance policies and decisions in support of sustainable transportation and land use principles

Objective 3.3: Guide emerging mobility services so that they are consistent with sustainable transportation principles

Transit First Policy Principles:

1. To ensure quality of life and economic health in San Francisco, the primary objective of the transportation system must be the safe and efficient movement of people and goods
2. Public transit, including taxis and vanpools, is an economically and environmentally sound alternative to transportation by individual automobiles. Within San Francisco, travel by public transit, by bicycle and on foot must be an attractive alternative to travel by private automobile.
3. Decisions regarding the use of limited public street and sidewalk space shall encourage the use of public rights of way by pedestrians, bicyclists, and public transit, and shall strive to reduce traffic and improve public health and safety
4. Transit priority improvements, such as designated transit lanes and streets and improved signalization, shall be made to expedite the movement of public transit vehicles (including taxis and vanpools) and to improve pedestrian safety.
5. New transportation investment should be allocated to meet the demand for public transit generated by new public and private commercial and residential developments
6. The ability of the City and County to reduce traffic congestion depends on the adequacy of regional public transportation. The City and County shall promote the use of regional mass transit and the continued development of an integrated, reliable, regional public transportation system.
7. The City and County shall encourage innovative solutions to meet public transportation needs wherever possible and where the provision of such service will not adversely affect the service provided by the Municipal Railway.
8. Parking policies for areas well served by public transit shall be designed to encourage travel by public transit and alternative transportation.

DESCRIPTION

Background

The Van Ness Corridor Transit Improvement Project (Project) will implement the first bus rapid transit (BRT) service in San Francisco, which will improve transit reliability for the 47 and 49 Muni routes and provide reliable transit connections to transfer routes. The ridership on these lines is historically about 45,000 passengers per day. The transit service and infrastructure changes are expected to reduce transit travel times by over 30% and increase ridership by about 33%.

Van Ness Avenue is a Vision Zero high-injury corridor. To improve safety, the Project will install pedestrian countdown timers, pedestrian bulb-outs, and eliminate the majority of left turns that currently exist along the corridor. In addition, the Project has replaced the City’s 100-year-old sewer and water system along the length of the corridor, as well as selected sections of the auxiliary water supply system. The Project will also enhance the urban design of Van Ness Avenue. The project is about 86% completed. All the major underground sewer and water work has been completed. Currently, the contractor is constructing bus shelter pads, sidewalk improvements, traffic systems, and planting trees. The current project schedule shows Substantial Completion by the end of 2021.

Prior Contract Modifications

On October 7, 2014, the SFMTA Board of Directors adopted Resolution No. 14-147, which authorized the SFMTA to use a Construction Manager/General Contractor (CM/GC) project delivery method for the Project, to include a team of core trade subcontractors, minimum qualifications for the CM/GC and certain subcontractors; evaluation of the CM/GC primarily on non-cost criteria; and negotiation of a Guaranteed Maximum Price (GMP) with the selected CM/GC.

On July 7, 2015, the SFMTA Board of Directors awarded SFMTA Contract No. 1289, Van Ness Corridor Transit Improvement Project (Contract), to Walsh Construction Company II, LLC (Walsh), to provide pre-construction services for the Project, in an amount not to exceed \$800,000 and a term of 300 days.

After Walsh and the City agreed to a GMP, the SFMTA prepared Contract Modification No. 1 to add the construction work. In August 2016, this Board approved Modification No. 1, which increased the Contract to an amount not to exceed \$193,827,555, with an overall term not to exceed five years.

The following table represents all previous modifications to the Contract. Contract Modifications Nos. 4, 5, and 6 were approved by the Director of Transportation (DOT) under the authority given under SFMTA Board Resolution No. 1800821-115 (CM No. 2 – authorizing DOT to approve up to an additional aggregate of \$10,000,000 in future amendments to Contract No. 1289 without further approval by the SFMTA Board). The DOT approved Contract Modification No. 11 on July 24, 2020, under the authority given under the prior resolution and SFMTA Board Resolution No. 191203-153 (new delegation policy, which resulted in additional authority of \$400,000).

MOD No.	Modification Description	Change	Approved By	Resolution No/Date
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CM-1	Phase 2 CM/GC - Construction	\$193,027,555.00	Board	16-110/8-16-2016
CM-2	Historic street lights & CIDH pole foundation reinforcement	\$4,463,160.98	Board	180821-115
CM-3	Formation of Dispute Resolution Board	0	DOT	7/5/2018
CM-4	Revisions to plans and specifications for sewer, water, landscaping, traction power, streetlights and roadway	\$3,376,341.14	DOT	9/28/2018
CM-5	PCC # 8 - Traffic Signal Modifications to ET Drawings	\$2,606,043.75	DOT	10/16/2018
CM-6	Payments for extra field work for various items, specification changes to sewer system, amendment of DRB process	\$4,013,223.96	DOT	4/13/2019
CM-7	Resolution of Claim Nos. 1 and 2	\$4,819,650.00	Board	190716-092
CM-8	Resolution of Claim No. 3	\$1,709,201.81	Board	190820-104
CM-9	Additional Out-Of-Sequence Sewer and Roadway Work	\$633,003.16	Board	200218-015
CM-10	Miscellaneous additional work	\$2,187,655.23	Board	200519-047
CM-11	Allowance for Safe Work Practices due to COVID-19	\$ 282,000.00	DOT	7/24/2020
CM-12	Pedestrian Monitoring Services	\$ 2,589,381.00	Board	201215-112
CM-13	Various Design Changes	\$1,240,049.98	Board	210803-098
	Contract Total (including \$800K Pre-construction services)	\$222,465,143.57		

Contract Modification No. 14 (CM-14)

This contract modification adds various roadway work in the amount of \$717,877.56, including the following:

Item	Description	Quantity	Unit	Unit Price	Total Amount
CM-14.01	Adjustment to Pay Item RD-3: 10-Inch Thick Concrete Base	29,375.80	SF	\$20.41	\$599,560.08
CM-14.02	Construct Concrete Collar at Oak Street	1	LS	(\$1,587.60)	(\$1,587.60)
CM-14.03	Muni Pole/De-Pole for Sewer, Water, Roadway/Paving, Traction Power, OCS, and Landscaping Work & Required Training	1	LS	\$217,552.15	\$217,552.15
CM-14.04	Furnish Revised Median Irrigation Controllers and Pedestal Assemblies	1	LS	\$28,713.63	\$28,713.63
CM-14.05	Additional 750 MCM Traction Power Cable	1	LS	\$54,660.13	\$54,660.13

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CM-14.06	Furnish and Install CCTV Poles and Foundations	1	LS	\$59,442.37	\$59,442.37
CM-14.07	Existing Roadway Repair Work	1	LS	\$92,648.63	\$92,648.63
CM-14.08	Core Drill to Verify Roadway Base	1	LS	\$36,936.65	\$36,936.65
CM-14.09	PCC 10 - Delete 54-Inch RCP Sewer Work at Vallejo	1	LS	(\$194,618.04)	(\$194,618.04)
CM-14.10	PCC 12 - Delete 24-Inch Water Line on Market	1	LS	(\$64,697.84)	(\$64,697.84)
CM-14.11	PCC 19 - Delete Sewer Work at the Intersection of Mission at South Van Ness	1	LS	(\$110,161.32)	(\$110,161.32)
CM-14.12	PCC 20 - Modify Sewer Work on South Van Ness at Mission-Otis Intersection	1	LS	(\$571.28)	(\$571.28)
		CM-14			\$717,877.56

Walsh, the contractor, sent a letter that they will not agree to the terms of this contract modification since it does not provide a time extension. Since Walsh did not request any specific delay days for the work, and did not submit any time impact evaluation demonstrating delay related to these tasks, the SFMTA elected to issue this contract modification as unilateral for the direct costs, which were verified.

STAKEHOLDER ENGAGEMENT

SFMTA staff presented the details of this contract modification to the Van Ness Community Advisory Committee on September 23, 2021, and posted them on the SFMTA website as part of the materials for the meeting. The contract modification was also discussed in the September Public Officials Brief that is sent to approximately 300 public officials and their staff throughout the City and the State. The Project Team did not receive any feedback.

ALTERNATIVES CONSIDERED

No alternatives are available as the additional work must be performed as part of construction of the Project.

FUNDING IMPACT

Contract Modification No. 14, in the amount of \$717,877.56, will be funded through the existing approved budget for the Project. There are funds available within the approved funding sources, as detailed below:

Funding Sources	Amount
FTA 5309 Small Starts	\$74,999,999
Active Transportation Program	\$4,058,000

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California Pacific Medical Center Contribution	\$5,000,000
Central Freeway Parcel Revenues	\$12,654,135
FTA 5307 Formula Funds	\$3,980,000
FTA 5309 State of Good Repair Funds	\$23,871,440
FTA Congestion Mitigation and Air Quality	\$20,000,000
PPM: Planning, Programming and Monitoring funds	\$197,907
Prop B Population based General Fund Set Aside	\$8,134,232
Prop K Sales Tax	\$44,898,444
PUC Local Funds	\$61,543,618
SFMTA Series 2013 Revenue Bonds	\$1,765,751
SFMTA Series 2016 Revenue Bonds	\$48,000,000
State Highway Operation and Protection Program (SHOPP)	\$7,304,868
TOTAL	\$316,408,394

This Contract Modification will not likely result in the Project exceeding its total budget of \$316.4 million, and there are sufficient remaining contingency funds for the Project. However, the December 2020 Risk Register recognized new risks, chiefly the soft costs needed until the anticipated Substantial Completion at the end of 2021. Based on the new information, the project team has revised the estimate at completion (EAC), which is approximately \$346M, an increase of \$29.5 million. Not included in the EAC are claims under review, including claims submitted by Walsh for approximately \$84.0 million, which are currently under review.

As detailed in the above table, the Project is funded by multiple sources. Final cost share and funding for anticipated increases over the current budget have yet to be identified. In anticipation of needed funds, on January 19, 2021, the SFMTA Board approved the issuance of new revenue bonds, which include \$35.0 million for construction projects within the SFMTA Transit Optimization Program, which includes the Van Ness Project. Further, on June 11, 2021, the Federal Transit Administration (FTA) announced an allocation of \$21.9 million to the Project from the American Rescue Plan Act of 2021 (ARP). The ARP funds are made available through the FTA Capital Investment Grants (CIG) program, which adds \$250.0 million in funding to 22 FTA Small Starts projects across the nation.

ENVIRONMENTAL REVIEW

On September 10, 2013, the San Francisco County Transportation Authority (SFCTA), as lead agency under California Environmental Quality Act (CEQA), certified the Final Environmental Impact Statements (EIS)/Environmental Impact Report (EIR) for the Van Ness Corridor Improvement Project under Resolution 14-18, adopted CEQA Findings and a Statement of Overriding Considerations, adopted the Mitigation Monitoring and Reporting Plan, and approved the Locally Preferred Alternative (LPA). The certification of the Final EIS/EIR included incorporating the Vallejo Northbound Station Variant into the Project.

On September 17, 2013, the SFMTA Board of Directors, acting in the capacity as a responsible agency under CEQA, adopted Resolution No. 13-214, approving the Project, analyzed as the LPA in the Final EIS/EIR, including an amendment to include the Vallejo Northbound Station Variant in the approval of

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the LPA. As part of the resolution, the Board also adopted the CEQA Findings, a Statement of Overriding Considerations, and the Mitigation Monitoring and Reporting Plan for the Final EIS/EIR and authorized the Director of Transportation to direct staff to continue with obtaining the necessary approvals to implement the Project.

On December 20, 2013, the FTA issued a Record of Decision for the Project, determining that the requirements of the National Environmental Policy Act have been met through the Final EIS document and process.

Since the adoption of CEQA Findings and the approval of the Project, the SFCTA has prepared a memo to file dated July 15, 2014, titled “Van Ness Avenue Bus Rapid Transit Project – Environmental Compliance for the Proposed Parking Removal from Conceptual Engineering Report” (Memo to File), which concludes that the removal of 11 parking spaces more than assumed in the Final EIS/EIR, as proposed by SFMTA in the Conceptual Engineering Report, would not result in a new significant environmental impact due to parking loss.

As mentioned above, on July 7, 2015, the SFMTA Board of Directors authorized the award of the Contract for Phase 1 (pre-construction services), for a target duration of 300 days, and in an amount not to exceed \$800,000. At that time, the Board reviewed and considered the EIS/EIR and record as a whole and found that the Final EIS/EIR was adequate for its use as the decision-making body for the approval of the Contract, found that the actions being taken were within the scope of the EIS/EIR, and incorporated the CEQA findings contained in its Resolution No. 13-214, including the Statement of Overriding Considerations, and found that no additional environmental review would be required under Public Resources Code Section 21166.

On March 4, 2016, the SFCTA issued an “Addendum to Environmental Impact Report” for the Project, which conclude that removal and replacement of various trees along the Van Ness corridor not previously identified in the Final EIS/EIR would not result in a new significant environmental impact.

The proposed Modification No. 14 to Contract No. 1289 that is the subject of this calendar item is within the scope of the Final EIS/EIR.

A copy of the Van Ness Corridor Improvement Project Final EIS/EIR can be found at <https://www.sfcta.org/projects/van-ness-improvement-project#panel-reports-documents> and is incorporated herein by reference.

OTHER APPROVALS RECEIVED OR STILL REQUIRED

The SFMTA Contract Compliance Office continues to monitor the Contract for compliance with the Small Business Enterprise (SBE) participation goals, and concurs with this Modification.

The Contract Compliance Office established SBE goals for each of the core subcontracts packages:

- Paving 25%
- Overhead Contact System 20%
- Traffic Control 10%

The City Attorney’s Office has reviewed this calendar item.

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No other approvals are required for this Contract Modification.

RECOMMENDATION

Staff recommends that the SFMTA Board authorize the Director of Transportation to execute Modification No. 14 to SFMTA Contract No. 1289, Van Ness Corridor Transit Improvement Project, with Walsh Construction Company II, LLC, to perform various roadway work in the amount of \$717,877.56, for a total Contract amount not to exceed \$222,465,143.57, with no time extension.

SAN FRANCISCO
MUNICIPAL TRANSPORTATION AGENCY
BOARD OF DIRECTORS

RESOLUTION No. _____

WHEREAS, The Van Ness Corridor Transit Improvement Project (formerly known as the Van Ness Bus Rapid Transit Project) (Project) will implement the first Bus Rapid Transit (BRT) service in San Francisco, which will improve transit reliability for the 47 and 49 Muni routes and provide reliable transit connections to transfer routes; and,

WHEREAS, On July 7, 2015, the SFMTA Board of Directors adopted Resolution No. 15-108, awarding SFMTA Contract No. 1289, Van Ness Corridor Transit Improvement Project (Contract), to Walsh Construction Company II, LLC (Walsh) in the amount of \$800,000 and for a term of 300 days, to provide pre-construction services for the Project; and,

WHEREAS, On August 16, 2016, the SFMTA Board of Directors adopted Resolution No. 16-110, authorizing Modification No. 1 to the Contract for construction of the Project in the amount of \$193,027,555, for a total Contract amount of \$193,827,555, with an overall term not to exceed five years; and,

WHEREAS, On August 21, 2018, the SFMTA Board adopted Resolution No. 180821-115, approving Contract Modification No. 2 to the Contract for changes to the overhead contact system trolley/light poles and foundations, increasing the Contract amount by \$4,463,160.98, for a total Contract amount not to exceed \$198,290,715.98, with no extension of time; and authorizing the Director of Transportation to approve up to an additional aggregate of \$10,000,000 in future amendments to Contract No. 1289 without further approval of the SFMTA Board; and,

WHEREAS, Contract Modifications Nos. 3 through 6, executed by the Director of Transportation, increased the Contract amount by \$9,995,608.85, for a total Contract amount not to exceed \$208,286,324.83, with no extension of time; and,

WHEREAS, The SFMTA Board adopted Resolutions Nos. 190716-092, 190820-104, 200218-015, and 200519-047, approving Contract Modifications Nos. 7 through 10, respectively, increasing the Contract amount by \$9,349,510.20, for a total Contract amount not to exceed \$217,635,835.03, and extending the time to Substantial Completion by 279 days; and,

WHEREAS, Contract Modification No. 11, executed by the Director of Transportation under Board Resolution Nos. 180821-115 and 191203-153, increased the Contract amount by \$282,000, for a total Contract amount not to exceed \$217,917,835.03, with no extension of time; and,

WHEREAS, Contract Modification No. 12, executed by the Director of Transportation under Board Resolution No. 201215-112, increased the Contract amount by \$2,589,381, for a total Contract amount not to exceed \$220,507,216, with no extension of time; and,

WHEREAS, Contract Modification No. 13, executed by the Director of Transportation under Board Resolution No. 210803-098, increased the Contract amount by \$1,240,049.98, for a total Contract

amount not to exceed \$221,747,266.01, with no extension of time; and,

WHEREAS, Contract Modification No. 14 will perform various additional roadway work in the amount of \$717,877.56, for a total Contract amount not to exceed \$222,465,143.57, with no time extension; and,

WHEREAS, On September 10, 2013, the San Francisco County Transportation Authority, as lead agency under California Environmental Quality Act (CEQA), certified the Final Environmental Impact Statement/ Environmental Impacts Reports (EIS/EIR) under Resolution No. 14-18, adopted CEQA Findings and a Statement of Overriding Considerations, adopted the Mitigation Monitoring and Reporting Plan, and approved the Locally Preferred Alternative (LPA); the certification of the Final EIS/EIR included incorporating the Vallejo Northbound Station Variant into the Project; and,

WHEREAS, On September 17, 2013, the SFMTA Board of Directors, acting in the capacity as a responsible agency under CEQA, adopted Resolution No. 13-214, approving the Project, analyzed as the LPA in the Final EIS/EIR, including an amendment to include the Vallejo Northbound Station Variant in the approval of the LPA; as part of the resolution, the Board also adopted the CEQA Findings, a Statement of Overriding Considerations, and the Mitigation Monitoring and Reporting Plan for the Final EIS/EIR, and authorized the Director of Transportation to direct staff to continue with obtaining the necessary approvals to implement the Project; and,

WHEREAS, On December 20, 2013, the Federal Transit Administration issued a Record of Decision for the Project, determining that the requirements of the National Environmental Policy Act have been met through the Final EIS document and process; and,

WHEREAS, On March 4, 2016, the San Francisco County Transportation Authority issued an “Addendum to Environmental Impact Report” for the Project, which concluded that removal and replacement of various trees along the Van Ness corridor not previously identified in the Final EIS/EIR would not result in a new significant environmental impact; and,

WHEREAS, As mentioned above, on July 7, 2015, the SFMTA Board of Directors authorized the award of the Contract for Phase 1 pre-construction services to Walsh, having reviewed and considered the EIS/EIR and record as a whole and found that the Final EIS/EIR was adequate for its use as the decision-making body for the approval of the Contract; the Board also found that the actions being taken were within the scope of the EIS/EIR, incorporated the CEQA findings contained in its Resolution No. 13-214, including the Statement of Overriding Considerations, and further found that no additional environmental review would be required under Public Resources Code section 21166; and,

WHEREAS, The proposed Modification No. 14 to Contract No. 1289, as described above, is within the scope of the Final EIS/EIR; and,

WHEREAS, A copy of the Van Ness Corridor Improvement Project Final EIS/EIR can be found in the records of the Planning Department at <https://www.sfcta.org/projects/van-ness-improvement-project#panel-reports-documents> and is incorporated herein by reference; now, therefore, be it,

RESOLVED, That the SFMTA Board has reviewed and considered the Van Ness Bus Rapid Transit Project Final Environmental Impact Statement/Environmental Impact Report (Final EIS/EIR) and record as a whole, finds that the Final EIS/EIR is adequate for the Board’s use as the decision-

making body for the actions taken herein relative to construction of the Project, and incorporates the CEQA findings by this reference as though set forth in this Resolution; and be it further

RESOLVED, That the SFMTA Board further finds that since the Final EIS/EIR was finalized, there have been no substantial Project changes and no substantial changes in Project circumstances that would require major revisions to the Final EIS/EIR due to the involvement of new significant environmental effects or an increase in the severity of previously identified significant impacts, and there is no new information of substantial importance that would change the conclusions set forth in the Final EIS/EIR; and be it further

RESOLVED, That the SFMTA Board of Directors authorizes the Director of Transportation to execute Modification No. 14 to SFMTA Contract No. 1289, Van Ness Corridor Transit Improvement Project, with Walsh Construction Company II, LLC, to perform various roadway work in the amount of \$717,877.56, for a total Contract amount not to exceed \$222,465,143.57, with no time extension;

I certify that the foregoing resolution was adopted by the San Francisco Municipal Transportation Agency Board of Directors at its meeting of October 19, 2021.

Secretary to the Board of Directors
San Francisco Municipal Transportation Agency

CONTRACT MODIFICATION NO. 14 (UNILATERAL)

San Francisco Municipal Transportation Agency
Contract No. 1289
Van Ness Corridor Transit Improvement Project

Contractor:
Walsh Construction Company II, LLC
180 Redwood Street, Suite 300
San Francisco, CA 94102

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The Contract is modified as follows:

1. Scope of Change	Amount
CM-14.01 <u>Adjustment to Pay Item RD- 3: 10-Inch -Thick Concrete Base</u>	\$599,560.08
<p>Increase the quantity of 10-inch-Thick Concrete Base to compensate for overrun of 29,375.80 SF at the unit price of \$20.41 per SF for a total cost of \$599,560.08. See Technical Specifications 01220.1.02 (Instruction on Pay Items, Pay Item RD-3: 10-inch-Thick Concrete Base).</p> <p>Attachment 1 details descriptions, reference documents, quantities and amounts.</p>	
CM-14.02 <u>Construct Concrete Collar at Oak Street</u>	(\$1,587.60)
<p>In lieu of constructing a new manhole as required by the Contract, maintain existing manhole located on the east side of Oak Street and construct a concrete collar to tie into the existing 36-inch VCP sewer line on the east side of Van Ness at Oak Street. In addition, create a connection for the new 12" VCP sewer line northwards towards Fell Street as described in RFI-749.</p> <p>The lump sum credit of \$1,587.60 includes all labor, equipment, material, and any and all incidental costs to perform this work, as well as the credit owed to the City for the deleted scope of Work, as memorialized in RE Letter #1395.</p>	
CM-14.03 <u>Muni Pole/De-Pole for Sewer, Water, Roadway/Paving, Traction Power, OCS, and Landscaping Work & Required Training</u>	\$217,552.15
<p>Disconnect and reconnect the overhead contact system (OCS) for Muni buses at various locations along Van Ness Avenue from Mission Street to Lombard Street as necessary during sewer, water, roadway/paving, traction power, OCS, and landscaping work. This Item provides payment for 137 instances of Work performed under force account, beginning 02/27/19 through 03/03/21.</p> <p>Additionally, all forces used by the Contractor were required to receive training prior to performing said Work. Training was performed on 12 separate occasions from 09/06/18 through 08/24/19 and was tracked under force account.</p>	

Description of Work	Amount
Muni Pole/De-Pole Required Training	\$27,822.26
Muni Pole/De-Pole During Sewer Work	\$67,195.80
Muni Pole/De-Pole During Water Work	\$32,154.78
Muni Pole/De-Pole During Roadway/Paving Work	\$67,327.28
Muni Pole/De-Pole During Traction Power Work	\$16,639.82
Muni Pole/De-Pole During OCS Work	\$3,628.11
Muni Pole/De-Pole During Landscaping Work	\$2,784.10
TOTAL COST	\$217,552.15

Attachment 2 specifies dates, locations, reference documents, and differences in amounts requested versus amounts paid.

CM-14.04	<u>Furnish Revised Median Irrigation Controllers and Pedestal Assemblies</u>	\$28,713.63
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In lieu of the Contract-specified median irrigation controller and cabinet, furnish 10 controller and pedestal assemblies (Hunter A2C 75D pre-installed into Strong Box SS16-SS cabinet), with additional automatic climate adjustment and surge protection, as requested by Public Works in its response to Submittal 612.2.

As the Work described above pertains to materials changes only, the lump sum amount of \$28,713.63, as memorialized in RE Letter # 1677 and Contractor Letter # SFMTA-2271, represents full compensation solely for procurement of the revised materials. Installation of irrigation materials shall be performed pursuant to Specifications Section 02810 and paid under the applicable Bid items.

CM-14.05	<u>Additional 750 MCM Traction Power Cable</u>	\$54,660.13
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Procure, deliver, store, and handle additional 2,500LF of 750 MCM Traction Power Cable to be installed in the new duct bank on Van Ness between Chestnut and North Point, as directed in Field Memos 376, 376R1, 376R2, and 376R3.

The lump sum amount of \$54,660.13, as memorialized in RE Letter # 1727, represents full compensation for procurement, delivery, storage, and handling of materials. Installation of said materials was directed to be performed under force account and is not

included in this Item.

CM-14.06 Furnish and Install CCTV Poles and Foundations \$59,442.37

Furnish and install 36 closed circuit television (CCTV) poles and associated hardware, as directed in the responses to RFI-736 and RFI-917. In addition, procure and install 2 additional CCTV poles, foundation, and hardware between Geary and O'Farrell as illustrated in revised Architectural Contract drawing AR-22 Rev. 1 issued under RE Letter #1558.

The lump sum amount of \$59,442.37 as memorialized in RE Letter # 1696 includes all labor, equipment, material, and incidental costs to perform this work.

CM-14.07 Existing Roadway Repair Work \$92,648.63

Perform roadway repairs for existing conditions at various locations along Van Ness from Mission to Lombard Street, as directed by the Engineer. This Work includes restriping, grinding, paving, pothole repair, filling sinkholes, and providing necessary traffic control. This Work was performed under force account 70 times, from 02/07/18 through 01/24/20 for a total cost of \$92,648.63.

Attachment 3 specifies locations and detailed descriptions, reference documents, and differences in amounts requested versus amounts paid.

CM-14.08 Core Drill to Verify Existing Roadway Base \$36,936.65

Core drill along the entire Van Ness Avenue corridor at specified locations to determine the thickness of the existing roadway base as illustrated in the roadway drawings attached to RE Letter #844. Attachment 4 details descriptions, reference documents, and differences in amounts requested versus amounts paid. This Work was performed under force account 13 times, beginning 02/19/19 through 08/26/19. The lump sum amount of \$36,936.65 includes all labor, equipment, material, and any and all incidental costs to perform this work.

CM-14.09 PCC 10 - Delete 54-Inch RCP Sewer Work at Vallejo (\$194,618.04)

Delete all work related to replacement of existing 3'-6"x5'-3" concrete sewer with 54-inch diameter reinforced concrete pipe, including two manholes per SFDPW Standard Plan 87,183 on Vallejo Street and Van Ness Avenue intersection. Construct one new manhole per SFDPW Standard Plan 87,181, construct modified box manhole to connect to existing brick sewer per SFDPW Standard Plan 87,184, and connect 10-inch and 12-inch diameter vitrified clay pipe (VCP) to 3'-6"x5'-3" existing concrete sewer. All work shall be performed as shown on attached sketches SK-

(Attachment 5). This revision does NOT impact the Contract Amount or the Contract Term.

CM-14.14 PCC 14 - Revise Color of Precast Concrete Unit Pavers \$0

In Technical Specifications 02519: PRECAST CONCRETE UNIT PAVERS, **DELETE** Subsections 2.1.C and 2.1.D in their entirety and **REPLACE** them with the following:

C. Sidewalk Unit Pavers:

1. Narrow Modular Paver
Manufacturer: Stepstone Inc., No Known Equal
Contact: 310-327-7474 or www.stepstoneinc.com
Size: 3"x18"x2.5"
Color To Be: 80% French Gray #1804
 20% Porcelain #1813
Finish to be: Light Sandblast Finish
Pattern: See Landscape Drawings

D. Boarding Platform Unit Pavers:

1. Narrow Modular Paver
Manufacturer: Stepstone Inc, No Known Equal
Contact: 310-327-7474 or www.stepstoneinc.com
Size: 6"x48"x2.5"
Color To Be: 100% French Gray #1804
Finish to be: Light Sandblast Finish
Pattern: See Architecture Drawings.

This revision does NOT impact the Contract Amount or the Contract Term.

2. Add the following new Contract Pay Items:

Item	Description	Quantity	Unit	Unit Price	Total Amount
CM-14.01	Adjustment to Pay Item RD-3: 10-Inch- Thick Concrete Base	29,375.80	SF	\$20.41	\$599,560.08
CM-14.02	Construct Concrete Collar at Oak Street	1	LS	(\$1,587.60)	(\$1,587.60)
CM-14.03	Muni Pole/De-Pole for Sewer, Water, Roadway/Paving, Traction Power, OCS, and Landscaping Work & Required Training	1	LS	\$217,552.15	\$217,552.15
CM-14.04	Furnish Revised Median Irrigation Controllers and Pedestal	1	LS	\$28,713.63	\$28,713.63

Assemblies					
CM-14.05	Additional 750 MCM Traction Power Cable	1	LS	\$54,660.13	\$54,660.13
CM-14.06	Furnish and Install CCTV Poles and Foundations	1	LS	\$59,442.37	\$59,442.37
CM-14.07	Existing Roadway Repair Work	1	LS	\$92,648.63	\$92,648.63
CM-14.08	Core Drill to Verify Roadway Base	1	LS	\$36,936.65	\$36,936.65
CM-14.09	PCC 10 - Delete 54-Inch RCP Sewer Work at Vallejo	1	LS	(\$194,618.04)	(\$194,618.04)
CM-14.10	PCC 12 - Delete 24-Inch Water Line on Market	1	LS	(\$64,697.84)	(\$64,697.84)
CM-14.11	PCC 19 - Delete Sewer Work at the Intersection of Mission at South Van Ness	1	LS	(\$110,161.32)	(\$110,161.32)
CM-14.12	PCC 20 - Modify Sewer Work on South Van Ness at Mission-Otis Intersection	1	LS	(\$571.28)	(\$571.28)

Total Amount of this Contract Modification: Increase \$717,877.56

Previous Total of Contract: \$221,747,266.01

New Revised Total of Contract: \$222,465,143.57

Total Contract Time Added by this Contract Modification:	0 Days
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Contract Substantial Completion Date: 07/21/2020

Current Contract Substantial Completion Date: 07/21/2020

3. This Modification is made in accordance with Articles 6 and 7 of the Contract General Provisions.
4. Except as provided herein all previous terms and conditions of the Contract remain

unchanged.

Attachments:

- Attachment 1 – CM-14.01: Summary of Adjustment to Pay Item RD-3: 10-Inch-Thick Concrete Base
- Attachment 2 – CM-14.03: Summary of Muni Pole/De-Pole for Sewer, Water, Traction Power, OCS, and Landscaping Work & Required Training
- Attachment 3 – CM-14.07: Summary of Existing Roadway Repair Work
- Attachment 4 – CM-14.08: Summary of Core Drill to Verify Existing Roadway Base
- Attachment 5 - Revised Contract Drawings:
 - ST-118 (Rev. 1) – Special Pole Foundation Fell and Hayes
 - ST-121 (Rev. 1) – Special Pole Foundation Details (Sheet 1 of 3)
 - ST-122 (Rev. 1) – Special Pole Foundation Details (Sheet 2 of 3)
 - ST-123 (Rev. 1) – Special Pole Foundation Details (Sheet 3 of 3)
 - AR-22 (Rev. 1) – Enlarged Plan – Type 3
 - SW-103 (Rev. 1) – PCC 19 Changes
 - SW-103.1 (Rev. 1) – PCC 19 Changes
 - SW-103 (Rev. 2) – PCC 20 Changes
 - SW-103.1 (Rev. 2) – PCC 20 Changes
 - SW-104 (Rev. 1) – PCC 20 Changes
 - SW-104.1 (Rev. 1) – PCC 20 Changes
 - SK-2019.04.30_BN-1 – PCC 10 Changes
 - SK-2018.02.16_DC-2 – PCC 10 Changes
 - WD-105 (Rev. 6) – PCC 12 Changes

In Witness Whereof, the SFMTA has executed this Modification in San Francisco, California, on the following date: _____.

**CITY AND COUNTY OF SAN FRANCISCO
MUNICIPAL TRANSPORTATION AGENCY**

By: _____

Signature

Jeffrey P. Tumlin
Director of Transportation

Authorized By:

MUNICIPAL TRANSPORTATION AGENCY
BOARD OF DIRECTORS

Resolution No. _____

Adopted: _____

Attest:

By: _____

Christine Silva, Secretary
Municipal Transportation Agency

APPROVED AS TO FORM:

Dennis J. Herrera, City Attorney

By: _____

Robin M. Reitzes
Deputy City Attorney

VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT
 CONTRACT NO. 1289
 CMOD 14

Printed On: 7/27/2021

ATTACHMENT 01

SUMMARY OF PAY ITEM CM-14.01
 ADJUSTMENT TO PAY ITEM RD-3 (10-INCH THICK CONCRETE BASE)

Progress Payment #	Date	Description	Quantity (SF)	Unit Cost	COST
58	12/21/20	South Van Ness between 12th Street & Market	3733.8	\$ 20.41	\$ 76,206.86
58	12/21/20	Van Ness Avenue at NE Corner of Fell & Hayes	1007.5	\$ 20.41	\$ 20,563.08
58	01/18/21	Van Ness at Hayes Intersection & SE Corner of Hayes	398.0	\$ 20.41	\$ 8,123.18
58	01/18/21	Van Ness at Fell Intersection & SE Corner of Fell	131.5	\$ 20.41	\$ 2,683.92
58	01/18/21	Van Ness between Grove & Hayes & Tom Waddle Alleyway	4486.0	\$ 20.41	\$ 91,559.26
59	02/01/21	Heading 1 - Street Base between BRT & New Roadway Block #13 Post to Sutter & Block #12 Geary to Post	2364.0	\$ 20.41	\$ 48,249.24
59	02/05/21	South Van Ness between Market to Fell	3598.5	\$ 20.41	\$ 73,445.39
59	02/22/21	Reconciliation of 10" Street Base @ Fell Intersection	40.0	\$ 20.41	\$ 816.40
60	03/08/21	Van Ness Avenue between Jackson & Washington	400.0	\$ 20.41	\$ 8,164.00
60	03/08/21	Closeout Pour - Van Ness Avenue between Pacific & Broadway	265.0	\$ 20.41	\$ 5,408.65
60	03/05/21	South Van Ness Avenue between Mission & Market	2155.5	\$ 20.41	\$ 43,993.76
60	03/12/21	South Van Ness between Market & Mission	422.5	\$ 20.41	\$ 8,623.23
60	03/19/21	Van Ness between Filbert & Greenwich	1479.0	\$ 20.41	\$ 30,186.39
60	03/19/21	South Van Ness between Mission & Market	4945.0	\$ 20.41	\$ 100,927.45
61	03/25/21	Mission to Market (Street Base)	2587.0	\$ 20.41	\$ 52,800.67
62	04/21/21	O'Farrell to Geary Street Base Closeout Pour	675.0	\$ 20.41	\$ 13,776.75
62	05/13/21	Filbert to Union Closure Pour Northbound	687.5	\$ 20.41	\$ 14,031.88
			CY	UNIT COST	TOTAL COST
		Total for Additional Quantities of RD-3	29375.8	\$ 20.41	\$ 599,560.08

ATTACHMENT 02
 SUMMARY OF PAY ITEM CM-14.03
 MUNI POLE / DE-POLE OPERATIONS DURING SEWER, WATER, ROADWAY/PAVING, TRACTION POWER, OCS, AND LANDSCAPING WORK
 & REQUIRED MUNI POLE / DE-POLE TRAINING

Progress Payment #	Date	Description	COR	Walsh Letter	RE Letter	FAR #	Requested Amount	Approved
39	09/06/18	MUNI Pole De-Pole Training - Transit Support	77.05	1317	1238	1899.0	\$4,610.27	\$ 4,388.85
42	09/07/18	MUNI Pole De-Pole Training - Transit Support	77.05	1317	1238	1900.0	\$2,306.45	\$ 2,238.70
42	09/25/18	MUNI Pole De-Pole Training - Transit Support	77.05	1317	1238	2029.0	\$1,317.12	\$ 1,336.44
39	09/27/18	MUNI Pole De-Pole Training - Transit Support	77.05	1317	1238	2038.0	\$1,295.89	\$ 1,295.89
39	10/01/18	MUNI Pole De-Pole Training - Transit Support	77.05	1317	1238	2063.0	\$2,889.80	\$ 2,794.15
39	10/02/18	MUNI Pole De-Pole Training - Transit Support	77.05	1317	1238	2088.0	\$2,303.81	\$ 2,303.81
39	10/02/18	MUNI Pole De-Pole Training - Transit Support	77.05	1317	1238	2208.0	\$431.96	\$ 455.75
39	04/16/19	MUNI Pole De-Pole Training - Transit Support	77.05	1317	1238	3493.0	\$2,323.84	\$ 2,076.24
39	04/16/19	MUNI Pole De-Pole Training - Transit Support	77.05	1317	1238	3494.0	\$2,239.23	\$ 2,239.23
39	09/22/18	MUNI Pole De-Pole Training - Transit Support	77.05	TRNS#4836	1380	2021.0	\$5,176.58	\$ 5,176.56
45	N/A	MUNI Pole De-Pole Training - Transit Support	77.05	TRNS#4836	1380	2021.0	ADJUSTMENT	\$ 35.66
46	08/24/19	MUNI Pole De-Pole Training - Transit Support	77.05	1765	1426	4411.0	\$479.98	\$ 479.98
46	08/24/19	MUNI Pole De-Pole Training - Transit Support	77.05	1765	1426	4420.0	\$2,950.84	\$ 3,001.00

Total Approved for Training: \$27,822.26

46	07/29/19	Muni Pole De-Pole - Sewer - Eddy & VN	77.02	1765	1426	4170.0	\$2,765.51	\$ 2,765.51
46	07/30/19	Muni Pole De-Pole - Sewer - Eddy & VN EB/WB	77.02	1765	1426	4173.0	\$2,956.19	\$ 2,956.19
46	07/31/19	Muni Pole De-Pole - Sewer - Eddy & VN EB	77.02	1765	1426	4190.0	\$2,765.51	\$ 2,765.51
46	08/01/19	Muni Pole De-Pole - Sewer - Eddy & VN EB	77.02	1765	1426	4199.0	\$2,694.65	\$ 2,694.65
46	08/02/19	Muni Pole De-Pole - Sewer - Eddy & VN EB/WB	77.02	1765	1426	4216.0	\$2,384.15	\$ 2,384.15
46	08/05/19	Muni Pole De-Pole - Sewer - Eddy & VN EB/WB	77.02	1765	1426	4284.0	\$2,574.83	\$ 2,574.83
46	08/06/19	Muni Pole De-Pole - Sewer - Eddy & VN EB/WB	77.02	1765	1426	4293.0	\$2,817.60	\$ 1,531.77
46	08/07/19	Muni Pole De-Pole - Sewer - Post & VN	77.02	1765	1426	4301.0	\$1,287.40	\$ 1,287.40
46	08/08/19	Muni Pole De-Pole - Sewer - Post & VN	77.02	1765	1426	4306.0	\$1,382.75	\$ 1,382.75
46	08/09/19	Muni Pole De-Pole - Sewer - Post & VN	77.02	1765	1426	4314.0	\$1,287.40	\$ 1,287.40
46	08/12/19	Muni Pole De-Pole - Sewer - Post & VN	77.02	1765	1426	4324.0	\$1,913.13	\$ 1,913.13
46	08/13/19	Muni Pole De-Pole - Sewer - Post & VN	77.02	1765	1426	4331.0	\$1,541.64	\$ 1,541.64
46	08/14/19	Muni Pole De-Pole - Sewer - Eddy & VN EB/WB	77.02	1765	1426	4342.0	\$2,996.83	\$ 2,996.83
46	08/26/19	Muni Pole De-Pole - Sewer - Martinez & VN EB	77.02	1765	1426	4424.0	\$1,341.08	\$ 1,192.07
46	08/27/19	Muni Pole De-Pole - Sewer - McAllister & VN EB	77.02	1765	1426	4429.0	\$1,341.08	\$ 1,192.07
46	08/28/19	Muni Pole De-Pole - Sewer - McAllister & VN EB	77.02	1765	1426	4436.0	\$1,192.07	\$ 1,192.07
46	08/29/19	Muni Pole De-Pole - Sewer - Union & VN EB/WB	77.02	1765	1426	4441.0	\$2,848.85	\$ 2,848.85
46	08/30/19	Muni Pole De-Pole - Sewer - Union & VN EB/WB	77.02	1765	1426	4447.0	\$1,519.76	\$ 1,424.43
46	09/03/19	Muni Pole De-Pole - Sewer - Union	77.02	1765	1426	4465.0	\$2,318.47	\$ 2,377.28
46	09/04/19	Muni Pole De-Pole - Sewer - Union	77.02	1765	1426	4470.0	\$2,660.23	\$ 2,557.94
46	09/16/19	Muni Pole De-Pole - Sewer - McAllister WB	77.02	1765	1426	4581.0	\$1,274.38	\$ 1,307.79
46	09/17/19	Muni Pole De-Pole - Sewer - McAllister & VN WB	77.02	1765	1426	4592.0	\$1,341.08	\$ 1,341.08
46	09/18/19	Muni Pole De-Pole - Sewer - McAllister & VN WB	77.02	1765	1426	4598.0	\$993.04	\$ 1,018.10
46	09/19/19	Muni Pole De-Pole - Sewer - Sacramento & VN WB	77.02	1765	1426	4605.0	\$1,370.75	\$ 1,370.75
46	09/20/19	Muni Pole De-Pole - Sewer - Sacramento & VN WB	77.02	1765	1426	4609.0	\$1,386.90	\$ 1,426.58
46	09/23/19	Muni Pole De-Pole - Sewer - Sacramento & VN WB	77.02	1765	1426	4636.0	\$1,768.26	\$ 1,806.99
46	09/24/19	Muni Pole De-Pole - Sewer - Sacramento	77.02	1765	1426	4655.0	\$1,743.25	\$ 1,703.24
46	09/24/19	Muni Pole De-Pole - Sewer - Sacramento & VN WB	77.02	1765	1426	4661.0	\$1,561.44	\$ 1,561.44
46	09/26/19	Muni Pole De-Pole - Sewer - Sacramento & VN WB	77.02	1765	1426	4671.0	\$2,008.46	\$ 2,008.46
46	09/27/19	Muni Pole De-Pole - Sewer - Sacramento & VN WB	77.02	1765	1426	4683.0	\$1,119.63	\$ 1,149.91
46	10/14/19	Muni Pole De-Pole - Sewer - Grove & VN EB	77.02	1851	1427R1	4771.0	\$1,544.30	\$ 757.58
46	10/15/19	Muni Pole De-Pole - Sewer - Grove & VN EB	77.02	1851	1427R1	4776.0	\$1,624.03	\$ 1,624.03
46	10/16/19	Muni Pole De-Pole - Sewer - Grove & VN EB	77.02	1851	1427R1	4789.0	\$1,400.00	\$ 1,400.00
46	10/17/19	Muni Pole De-Pole - Sewer - Grove & VN EB	77.02	1851	1427R1	4796.0	\$1,587.56	\$ 1,587.56
50	11/18/19	Muni Pole De-pole - Sewer - Clay IB	77.02	2020	1550R1	4949.0	\$1,469.99	\$ 1,469.99
50	11/19/19	Muni Pole De-pole - Sewer - Clay IB	77.02	2020	1550R1	4955.0	\$1,144.81	\$ 1,190.09
50	11/20/19	Muni Pole De-pole - Sewer - Clay IB	77.02	2020	1550R1	4960.0	\$1,144.81	\$ 1,190.09
50	11/22/19	Muni Pole De-pole - Sewer - Clay IB	77.02	2020	1550R1	4975.0	\$1,572.21	\$ 1,469.99
46	10/18/20	Muni Pole De-Pole - Sewer - Grove & VN EB	77.02	1851	1427R1	4799.0	\$1,307.78	\$ 945.66

Total Approved during Sewer Work: \$ 67,195.80

ATTACHMENT 02
SUMMARY OF PAY ITEM CM-14.03
MUNI POLE / DE-POLE OPERATIONS DURING SEWER, WATER, ROADWAY/PAVING, TRACTION POWER, OCS, AND LANDSCAPING WORK
& REQUIRED MUNI POLE / DE-POLE TRAINING

Progress Payment #	Date	Description	COR	Walsh Letter	RE Letter	FAR #	Requested Amount	Approved
46	08/12/19	Muni Pole De-Pole - Water - Mission & VN	77.01	1765	1426	4319.0	\$1,518.26	\$ 1,416.98
46	09/17/19	Muni Pole De-Pole - Water - Mission & Otis	77.01	1765	1426	4338.0	\$1,265.53	\$ 1,265.53
52	10/08/19	Muni Pole De-pole - Water - Post & VN EB	77.01	2020	1550R1	4729.0	\$1,656.29	\$ 1,560.95
46	10/10/19	Muni Pole De-Pole - Water - Post & VN EB	77.01	1851	1427R1	4747.0	\$1,439.59	\$ 1,439.59
52	11/12/19	Muni Pole De-pole - Water - Eddy & VN EB/WB	77.01	2020	1550R1	4930.0	\$2,836.43	\$ 2,368.22
52	12/02/19	Muni Pole De-pole - Water - Eddy & VN EB/WB	77.01	2020	1550R1	4996.0	\$1,639.10	\$ 1,645.70
52	12/03/19	Muni Pole De-pole - Water - Eddy & VN EB/WB	77.01	2020	1550R1	5001.0	\$2,061.16	\$ 1,786.39
50	12/06/19	Muni Pole De-pole - Water - Post & VN EB	77.05	2020	1550R1	5044.0	\$5,528.58	\$ 5,575.29
52	01/13/20	Muni Pole De-pole - Water - Post & VN IB	77.01	2020	1550R1	5471.0	\$1,225.98	\$ 941.68
52	01/28/20	Muni Pole De-pole - Water - Grove & VN EB	77.01	2020	1550R1	5509.0	\$955.42	\$ 753.28
52	01/29/20	Muni Pole De-pole - Water - Grove & VN EB	77.01	2020	1550R1	5512.0	\$878.29	\$ 876.20
52	01/30/20	Muni Pole De-pole - Water - Grove & VN EB	77.01	2020	1550R1	5516.0	\$986.40	\$ 876.20
52	02/05/20	Muni Pole De-pole - Water - Union IB	77.01	2020	1550R1	5540.0	\$1,518.26	\$ 1,459.00
52	02/05/20	Muni Pole De-pole - Water - Hayes & VN OB	77.01	2020	1550R1	5541.0	\$1,351.65	\$ 1,207.93
52	02/06/20	Muni Pole De-pole - Water - Union & VN OB	77.01	2020	1550R1	5567.0	\$1,440.97	\$ 1,459.00
52	02/06/20	Muni Pole De-pole - Water - Hayes & VN	77.01	2020	1550R1	5572.0	\$1,202.64	\$ 1,202.64
52	02/07/20	Muni Pole De-pole - Water - Union & VN OB	77.01	2020	1550R1	5588.0	\$1,621.60	\$ 1,429.60
52	03/02/20	Muni Pole De-pole - Water - Sacramento & VN	77.01	2020	1550R1	5717.0	\$1,144.46	\$ 1,099.80
52	03/03/20	Muni Pole De-pole - Water - Sacramento & VN	77.01	2020	1550R1	5726.0	\$1,143.82	\$ 1,099.40
52	03/09/20	Muni Pole De-pole - Water - Clay & VN	77.01	2020	1550R1	5750.0	\$1,342.41	\$ 1,345.70
52	03/10/20	Muni Pole De-pole - Water - Clay & VN	77.01	2020	1550R1	5777.0	\$1,437.74	\$ 1,345.70

Total Approved during Water Work: \$ 32,154.78

ATTACHMENT 02
 SUMMARY OF PAY ITEM CM-14.03
 MUNI POLE / DE-POLE OPERATIONS DURING SEWER, WATER, ROADWAY/PAVING, TRACTION POWER, OCS, AND LANDSCAPING WORK
 & REQUIRED MUNI POLE / DE-POLE TRAINING

Progress Payment #	Date	Description	COR	Walsh Letter	RE Letter	FAR #	Requested Amount	Approved
41	02/27/19	Muni Pole De-Pole - Roadway/Paving - Post	77.03	1317	1238	3112.0	\$1,151.91	\$ 1,327.37
41	02/27/19	Muni Pole De-Pole - Roadway/Paving - Post	77.03	1317	1238	3115.0	\$1,850.18	\$ 1,848.91
41	02/28/19	Muni Pole De-Pole - Roadway/Paving - Post	77.03	1317	1238	3127.0	\$1,941.09	\$ 1,941.09
41	03/07/19	Muni Pole De-Pole - Roadway/Paving - McAllister	77.03	1317	1238	3163.0	\$1,295.89	\$ 1,295.89
41	03/08/19	Muni Pole De-Pole - Roadway/Paving - McAllister	77.03	1317	1238	3174.0	\$1,572.40	\$ 1,572.40
41	03/11/19	Muni Pole De-Pole - Roadway/Paving - McAllister	77.03	1317	1238	3190.0	\$1,295.89	\$ 1,295.89
41	03/12/19	Muni Pole De-Pole - Roadway/Paving - McAllister	77.03	1317	1238	3195.0	\$1,295.89	\$ 1,295.89
41	03/21/19	Muni Pole De-Pole - Roadway/Paving - Eddy	77.03	1317	1238	3376.0	\$2,033.25	\$ 2,033.25
41	04/04/19	Muni Pole De-Pole - Roadway/Paving - Eddy	77.03	1317	1238	3428.0	\$2,033.25	\$ 2,040.52
41	04/08/19	Muni Pole De-Pole - Roadway/Paving - Eddy	77.03	1317	1238	3439.0	\$3,144.80	\$ 3,179.32
41	04/09/19	Muni Pole De-Pole - Roadway/Paving - Eddy	77.03	1317	1238	3446.0	\$4,371.90	\$ 3,551.63
41	04/24/19	Muni Pole De-Pole - Roadway/Paving - McAllister	77.03	1317	1238	3643.0	\$611.96	\$ 646.27
41	04/24/19	Muni Pole De-Pole - Roadway/Paving - McAllister	77.03	1317	1238	3647.0	\$2,140.91	\$ 2,140.91
41	04/25/19	Muni Pole De-Pole - Roadway/Paving - McAllister	77.03	1317	1238	3651.0	\$3,062.05	\$ 3,062.05
41	04/26/19	Muni Pole De-Pole - Roadway/Paving - McAllister	77.03	1317	1238	3671.0	\$2,883.79	\$ 2,247.30
41	05/08/19	Muni Pole De-Pole - Roadway/Paving - Sutter	77.03	1317	1238	3760.0	\$1,756.74	\$ 1,756.74
46	07/31/19	Muni Pole De-Pole - Roadway/Paving - Sacramento & VN	77.03	1765	1426	4189.0	\$1,722.45	\$ 1,722.45
46	08/02/19	Muni Pole De-Pole - Roadway/Paving - Sacramento & VN	77.03	1765	1426	4198.0	\$1,627.10	\$ 1,627.10
46	09/20/19	Muni Pole De-Pole - Roadway/Paving - Clay	77.03	1765	1426	4630.0	\$737.64	\$ 767.14
46	09/26/19	Muni Pole De-Pole - Roadway/Paving - Sutter & VN WB	77.03	1765	1426	4667.0	\$2,414.40	\$ 2,343.47
46	09/27/19	Muni Pole De-Pole - Roadway/Paving - Sutter & VN WB	77.03	1765	1426	4682.0	\$1,584.44	\$ 1,398.65
46	10/07/19	Muni Pole De-Pole - Roadway/Paving - Sutter & VN WB	77.03	1765	1426	4725.0	\$1,363.47	\$ 1,400.01
53	05/04/20	Muni Pole De-Pole - Roadway/Paving - McAllister & VN WB	77.03	2069	1580	6155.0	\$1,357.72	\$ 1,227.35
53	05/05/20	Muni Pole De-Pole - Roadway/Paving - McAllister & VN WB	77.03	2069	1580	6161.0	\$1,278.62	\$ 1,024.25
53	05/06/20	Muni Pole De-Pole - Roadway/Paving - McAllister & VN EB/WB	77.03	2069	1580	6167.0	\$2,525.38	\$ 2,022.16
53	05/07/20	Muni Pole De-Pole - Roadway/Paving - McAllister & VN EB/WB	77.03	2069	1580	6231.0	\$1,566.70	\$ 1,588.05
53	05/08/20	Muni Pole De-Pole - Roadway/Paving - VN IB	77.03	2069	1580	6236.0	\$887.19	\$ 1,134.00
53	05/08/20	Muni Pole De-Pole - Roadway/Paving - VN EB	77.03	2069	1580	6240.0	\$1,586.03	\$ 1,198.68
53	05/11/20	Muni Pole De-Pole - Roadway/Paving - McAllister & VN EB	77.03	2069	1580	6246.0	\$1,196.30	\$ 1,198.68
53	05/12/20	Muni Pole De-Pole - Roadway/Paving - McAllister & VN EB	77.03	2069	1580	6252.0	\$1,192.07	\$ 1,198.68
53	05/13/20	Muni Pole De-Pole - Roadway/Paving - McAllister & VN IB/OB	77.03	2069	1580	6256.0	\$1,193.39	\$ 1,196.70
53	05/19/20	Muni Pole De-Pole - Roadway/Paving - Sacramento & VN	77.04	2069	1580	6266.0	\$1,332.75	\$ 1,195.36
53	05/29/20	Muni Pole De-Pole - Roadway/Paving - McAllister & VN IB/OB	77.03	2069	1580	6331.0	\$2,998.99	\$ 2,595.32
56	09/14/20	Muni Pole De-Pole - Roadway/Paving - McAllister & VN WB	77.03	2169	1621	6755.0	\$866.78	\$ 847.89
56	09/15/20	Muni Pole De-Pole - Roadway/Paving - McAllister & VN WB	77.03	2169	1621	6757.0	\$953.28	\$ 932.50
56	09/16/20	Muni Pole De-Pole - Roadway/Paving - McAllister & VN WB	77.03	2169	1621	6760.0	\$1,259.95	\$ 1,232.49
56	09/17/20	Muni Pole De-Pole - Roadway/Paving - McAllister & VN WB	77.03	2169	1621	6787.0	\$1,308.23	\$ 1,152.10
56	09/22/20	Muni Pole De-Pole - Roadway/Paving - McAllister & VN WB	77.03	2169	1621	6790.0	\$1,336.42	\$ 1,243.86
56	09/23/20	Muni Pole De-Pole - Roadway/Paving - McAllister & VN WB	77.03	2169	1621	6795.0	\$1,271.04	\$ 1,243.33
56	09/24/20	Muni Pole De-Pole - Roadway/Paving - McAllister & VN WB	77.03	2169	1621	6796.0	\$1,325.61	\$ 1,233.29
60	10/23/20	Muni Pole De-Pole - Roadway/Paving - McAllister & VN WB	77.03	2300	1688R1	6989.0	\$1,029.78	\$ 1,007.34
60	01/19/21	Muni Pole De-Pole - Roadway/Paving - McAllister & VN WB	77.03	2360	1688R1	6966.0	\$1,142.57	\$ 1,117.67
60	01/20/21	Muni Pole De-Pole - Roadway/Paving - McAllister & VN WB	77.03	2367	1688R1	6880.0	\$1,271.04	\$ 1,243.33

Total Approved during Roadway/Paving Work: \$ 67,327.28

ATTACHMENT 02
 SUMMARY OF PAY ITEM CM-14.03
 MUNI POLE / DE-POLE OPERATIONS DURING SEWER, WATER, ROADWAY/PAVING, TRACTION POWER, OCS, AND LANDSCAPING WORK
 & REQUIRED MUNI POLE / DE-POLE TRAINING

Progress Payment #	Date	Description	COR	Walsh Letter	RE Letter	FAR #	Requested Amount	Approved
46	10/15/19	Muni Pole De-Pole - Traction Power - Otis & Mission	77.04	1851	1427R1	4773.0	\$1,262.10	\$ 1,262.10
46	10/16/19	Muni Pole De-Pole - Traction Power - Otis & Mission	77.04	1851	1427R1	4787.0	\$1,419.03	\$ 1,419.03
46	10/21/19	Muni Pole De-Pole - Traction Power - Otis/Mission/VN WB	77.04	1851	1427R1	4804.0	\$1,419.03	\$ 1,419.03
46	10/22/19	Muni Pole De-Pole - Traction Power - Otis/Mission/VN WB	77.04	1851	1427R1	4831.0	\$1,621.60	\$ 1,621.60
46	10/23/19	Muni Pole De-Pole - Traction Power - Otis/Mission/VN WB	77.04	1851	1427R1	4855.0	\$1,626.56	\$ 1,626.56
46	10/24/19	Muni Pole De-Pole - Traction Power - Otis/Mission/VN WB	77.04	1851	1427R1	4860.0	\$1,416.98	\$ 1,416.98
58	06/22/20	Muni Pole De-Pole - Traction Power - Sacramento & VN OB	77.06	2095	1646R1	6485.0	\$1,304.93	\$ 1,201.32
58	06/23/20	Muni Pole De-Pole - Traction Power - Sacramento & VN OB	77.06	2095	1646R1	6488.0	\$1,361.57	\$ 1,182.81
56	06/24/20	Muni Pole De-Pole - Traction Power - McAllister & VN WB	77.06	2169	1621	6496.0	\$1,275.50	\$ 1,110.72
58	06/25/20	Muni Pole De-Pole - Traction Power - Sacramento & VN OB	77.06	2095	1646R1	6501.0	\$1,204.29	\$ 1,091.55
58	06/26/20	Muni Pole De-Pole - Traction Power - Sacramento & VN OB	77.06	2095	1646R1	6504.0	\$976.87	\$ 955.11
58	06/29/20	Muni Pole De-Pole - Traction Power - Sacramento & VN OB	77.06	2095	1646R1	6513.0	\$1,133.92	\$ 1,167.17
58	06/30/20	Muni Pole De-Pole - Traction Power - Sacramento & VN OB	77.03	2095	1646R1	6517.0	\$1,132.57	\$ 1,165.84

Total Approved during Traction Power Work: \$ 16,639.82

46	09/11/19	Muni Pole De-Pole - OCS - Grove & VN	77.06	1765	1426	4533.0	\$496.79	\$ 500.59
61	03/01/21	Muni Pole De-Pole - OCS - Mission	77.04	2322	1728	7058.0	\$840.03	\$ 821.02
61	03/02/21	Muni Pole De-Pole - OCS - Mission	77.04	2322	1728	7059.0	\$1,096.24	\$ 1,070.95
61	03/03/21	Muni Pole De-Pole - OCS - Mission	77.04	2322	1728	7061.0	\$1,264.51	\$ 1,235.55

Total Approved during OCS Work: \$ 3,628.11

52	12/16/19	Muni Pole De-pole - Tree - VN SB BT Chestnut/Francisco	77.07	2020	1550R1	5205.0	\$1,627.10	\$ 1,344.38
52	12/17/19	Muni Pole De-pole - Tree - VN SB BT Chestnut/Francisco	77.07	2020	1550R1	5211.0	\$1,444.36	\$ 1,439.72

Total Approved during Landscaping Work: \$ 2,784.10
 Total of All FARs Submitted by Contractor: \$227,167.38
 Total Approved to Pole / De-Pole \$217,552.15

**ATTACHMENT 03
 SUMMARY OF PAY ITEM CM-14.07
 EXISTING ROADWAY REPAIR WORK**

Progress Payment #	Date	Description	COR	Walsh Letter	RE Letter	FAR #	Requested Amount	Approved
34	02/07/18	Excavate, Backfilled & Restore Emergency Sinkhole on VN at Ellis as directed by City Official	1.3	758 895	936	0267.0	ADJUSTMENT	\$ 107.29
45	02/07/18	Existing Roadway Repair Traffic Control for Sinkhole at Ellis	1.20	1316	1364	0236	\$ 427.00	\$ 308.56
34	02/08/18	Investigate and Repair Emergency Sink Hole at VN and Ellis	1.3	758 895	936	0234.0	ADJUSTMENT	\$ 333.19
34	02/09/18	Investigate and Repair Emergency Sink Hole at VN and Ellis	1.3	758 895	936	0243.0	ADJUSTMENT	\$ 1,213.43
45	03/22/18	Existing Roadway Repair at Turk and McAllister per Dave Ohlssen and Joey Adisvo Emails	1.20	1755	1364	0600.0	\$ 198.22	\$ 183.05
45	04/09/18	Existing Roadway Repair on VN Corridor, Both Lanes All Blocks	1.20	1755	1364	0771.0	\$ 1,582.41	\$ 1,475.64
45	05/09/18	Existing Roadway Repair Traffic Control Greenwich to Lombard for Ranger Repair Sinkhole	1.20	1316	1364	1155.0	\$ 760.86	\$ 722.17
33	05/09/18	Emergency Sinkhole Investigation and Repair at Lombard Intersection	1.4	756	866	1156.0	\$ 1,153.57	\$ 1,099.65
33	05/10/18	Setup/Take Down Traffic Control From Greenwich St to Lombard to Repair Sinkhole	1.4	756	866	1190.0	\$ 490.40	\$ 464.61
45	06/14/18	Existing Roadway Repair Traffic Control at Lombard for KJ Woods	1.20	1316	1364	1336.0	\$ 979.67	\$ 1,039.89
50	07/20/18	Repaired Roadway Potholes Along SB VN from Lombard to Jackson	17.03	930	1537	1563.0	\$ 1,469.67	\$ 1,415.51
50	07/23/18	Repaired Roadway Potholes Along both SB and NB VN from Jackson to Post	17.03	930	1537	1580.0	\$ 349.93	\$ 353.87
39	08/04/18	Brought in Crew on Saturday to Set Traffic Control for Emergency Restripe/Paving Pine to California	17.03	912.2	1099	1632.0	\$ 24,835.88	\$ 23,799.37
46	08/10/18	Load, Haul, & Dispose Millings from ABSL Grind and Pave at Pine to California per FM#135	17.03	1784	1402	1683.0	\$ 272.74	\$ 272.74
45	10/29/18	Existing Roadway Repair Traffic Control at Pacific to Fill Sink Hole	1.20	1316	1364	2268.0	\$ 1,458.62	\$ 1,480.76
45	10/30/18	Existing Roadway Repair at Pacific (Sink Hole)	1.20	1316	1364	2273.0	\$ 1,060.54	\$ 855.66
45	11/15/18	Existing Roadway Repair Pothole at NW Corner of Bush & VN	1.20	1316	1364	2363.0	\$ 381.89	\$ 373.41
45	11/15/18	Existing Roadway Repair Potholes Throughout Corridor	1.20	1316	1364	2725.0	\$ 1,846.16	\$ 1,892.08
45	11/28/18	Existing Roadway Repair Potholes on Crosswalks at Ellis, Sutter, and Bush	1.20	1316	1364	2508.0	\$ 477.54	\$ 455.98
45	11/28/18	Existing Roadway Repair Sinkhole NB VN	1.20	1316	1364	2509.0	\$ 356.63	\$ 167.65
45	12/05/18	Existing Roadway Repair Layout Repair Locations with Inspector	1.20	1316	1364	2581.0	\$ 1,131.39	\$ 1,131.39
45	12/10/18	Existing Roadway Repair Pothole NE Corner of Ellis & VN	1.20	1316	1364	2600.0	\$ 526.83	\$ 388.54
45	12/11/18	Existing Roadway Repair Potholes Mission to Sutter NB & Sutter to Grove SB	1.20	1316	1364	2604.0	\$ 1,391.86	\$ 1,391.86
45	12/11/18	Existing Roadway Repair Potholes Washington/Clay/Sutter/Turk	1.20	1316	1364	2608.0	\$ 858.68	\$ 867.59
45	12/13/18	Existing Roadway Repair Potholes	1.20	1316	1364	2618.0	\$ 1,143.34	\$ 1,207.46
45	12/14/18	Existing Roadway Repair Potholes at Clay, Union, Green, Filbert, and Greenwich	1.20	1316	1364	2624.0	\$ 427.19	\$ 427.19
45	12/14/18	Existing Roadway Repair Potholes SB Van Ness Sutter to Turk	1.20	1316	1364	2632.0	\$ 852.59	\$ 861.49
45	12/17/18	Existing Roadway Repair Potholes at Hayes and O'Farrell	1.20	1316	1364	2634.0	\$ 1,322.36	\$ 1,346.14
45	12/18/18	Working on Sinkhole. No Base on Existing MH at Lombard Street	1.20	1755	1364	2383.0	\$ 3,722.68	\$ 3,135.78
45	01/04/19	Removing Plates & Excavating to Install Slurry to Sinkhole at Pine	1.21	1785	1381	2678.0	\$ 1,487.73	\$ 1,455.67

**ATTACHMENT 03
 SUMMARY OF PAY ITEM CM-14.07
 EXISTING ROADWAY REPAIR WORK**

Progress Payment #	Date	Description	COR	Walsh Letter	RE Letter	FAR #	Requested Amount	Approved
45	01/04/19	Removing Plates & Excavating to Install Slurry to Sinkhole at Pine	1.21	1785	1381	0679.0	\$ 1,397.89	\$ 1,365.82
45	01/08/19	Existing Roadway Repair Sink Hole at Pine	1.20	1316	1364	2689.0	\$ 2,293.10	\$ 2,293.10
45	01/08/19	Existing Roadway Repair Pothole at Pine St	1.20	1316	1364	2702.0	\$ 1,192.79	\$ 1,046.61
45	01/09/19	Existing Roadway Repair Sink Hole at Lombard	1.20	1316	1364	2690.0	\$ 1,084.99	\$ 1,084.99
45	01/09/19	Existing Roadway Repair Pothole at Pine	1.20	1316	1364	2701.0	\$ 3,939.20	\$ 1,793.58
45	01/14/19	Existing Roadway Repair Pothole at Pine St	1.20	1316	1364	2723.0	\$ 862.47	\$ 862.47
45	01/16/19	Existing Roadway Repair Sink Hole at Sacramento	1.20	1316	1364	2729.0	\$ 956.72	\$ 990.38
45	01/17/19	Existing Roadway Repair Traffic Control for Void Under Street Base at Clay (4'x10') Void	1.20	1316	1364	2771.0	\$ 174.93	\$ 176.20
45	01/18/19	Existing Roadway Repair Traffic Control for Ranger Per FM#187	1.20	1316	1364	2775.0	\$ 457.51	\$ 457.51
45	01/21/19	Existing Roadway Repair Potholes at Geary	1.20	1316	1364	2784.0	\$ 101.99	\$ 104.95
45	01/22/19	Existing Roadway Repair Potholes at McAllister, Eddy, Ellis, O'Farrell, Geary, Bush	1.20	1316	1364	2781.0	\$ 1,768.55	\$ 1,822.46
45	01/22/19	Existing Roadway Repair Potholes on O'Farrell Crosswalk NB Block 11	1.20	1316	1364	2790.0	\$ 2,462.94	\$ 2,462.94
45	01/28/19	Existing Roadway Repair Potholes SB VN Block 15, 16, 17, 18, 24, 25, 27, 28, 29, Sutter and Eddy	1.20	1316	1364	2831.0	\$ 1,048.65	\$ 1,023.22
45	02/05/19	Existing Roadway Repair Potholes Throughout Van Ness Corridor	1.20	1316	1364	2872.0	\$ 2,043.67	\$ 2,041.31
45	02/07/19	Existing Roadway Repair Potholes SB Van Ness Greenwich to Broadway #1 and #2 Lanes	1.20	1316	1364	2894.0	\$ 1,202.69	\$ 1,208.64
45	02/11/19	Existing Roadway Repair Potholes at Geary, Bush, and Grove	1.20	1316	1364	2920.0	\$ 766.44	\$ 748.96
45	02/13/19	Existing Roadway Repair Potholes at Filbert, Bush, and Sacramento	1.20	1316	1364	2927.0	\$ 695.24	\$ 694.76
45	02/14/19	Existing Roadway Repair Potholes Fillbert, Union, Jackson, Bush, Geary, Broadway, Ellis, Market	1.20	1316	1364	2929.0	\$ 1,575.25	\$ 1,569.16
45	02/22/19	Existing Roadway Repair at Lombard Westside of Crosswalk	1.20	1316	1364	2994.0	\$ 548.56	\$ 528.10
45	02/23/19	Existing Roadway Repair Potholes SB VN at McAllister and Lombard	1.20	1316	1364	2999.0	\$ 797.56	\$ 766.41
45	02/25/19	Existing Roadway Repair Potholes Clay to Washington and Pacific Intersection	1.20	1316	1364	3104.0	\$ 543.65	\$ 543.51
45	02/26/19	Existing Roadway Repair Sink Hole West Crosswalk at Fell Intersection	1.20	1316	1364	3110.0	\$ 158.62	\$ 158.50
45	02/26/19	Existing Roadway Repair Sink Hole West Crosswalk at Fell Intersection	1.20	1316	1364	3119.0	\$ 875.79	\$ 1,058.11
45	03/05/19	Existing Roadway Repair Potholes Multiple Blocks: 13, 17, 18, 19, 20, 22, 26, 27, 28, 29	1.20	1316	1364	3154.0	\$ 992.54	\$ 992.54
45	03/07/19	Existing Roadway Repair Pothole Located on Block 1 NB VN #2	1.20	1316	1364	3161.0	\$ 172.11	\$ 172.55
45	03/28/19	Existing Roadway Repair at SW Clay , SB VN Bush & Sutter Intersection	1.20	1316	1364	3706.0	\$ 307.46	\$ 307.46
45	03/28/19	Existing Roadway Repair at SW Clay , SB VN Bush & Sutter Intersection	1.20	1316	1364	3711.0	\$ 546.87	\$ 554.14
45	04/01/19	Existing Roadway Repair Potholes NB VN Block 6 to Block 22	1.20	1316	1364	3403.0	\$ 744.89	\$ 744.89
45	04/12/19	Existing Roadway Repair at SW Clay , SB VN Bush & Sutter Intersection	1.20	1316	1364	3483.0	\$ 1,104.61	\$ 1,068.41
45	05/29/19	Existing Roadway Repair Pothole North of Sacramento	1.20	1755	1364	3843.0	\$ 219.49	\$ 209.33

**ATTACHMENT 03
 SUMMARY OF PAY ITEM CM-14.07
 EXISTING ROADWAY REPAIR WORK**

Progress Payment #	Date	Description	COR	Walsh Letter	RE Letter	FAR #	Requested Amount	Approved
45	06/07/19	Existing Roadway Repair at VN and Pacific	1.20	1755	1364	3890.0	\$ 699.65	\$ 694.66
45	07/15/19	Patched Roadway Potholes in Heading 2. Closed Median Area to Prep for Traffic Switch	1.20	1755	1364	4095.0	\$ 1,059.46	\$ 646.63
52	12/11/19	Roadway Repair Potholes on SB VN from Greenwich to Sutter	17.05	2050	1555	5186.0	\$ 2,746.69	\$ 2,728.87
52	12/23/19	Repair Potholes Throughout the Corridor	17.05	2050	1555	5251.0	\$ 1,186.21	\$ 1,158.63
52	01/13/20	Drove Corridor and Repair Potholes that Were Visible on VN	17.05	2050	1555	5469.0	\$ 1,751.99	\$ 1,725.08
52	01/13/20	Patched Sinkholes @ 2 Locations SB VN & Pine SB VN & Sacramento	17.05	2050	1555	5472.0	\$ 317.13	\$ 323.26
52	01/14/20	Repair Roadway Potholes Throughout the Corridor	17.05	2050	1555	5473.0	\$ 1,362.63	\$ 1,330.44
52	01/15/20	Repair Roadway Potholes Throughout the Corridor	17.05	2050	1555	5476.0	\$ 1,006.63	\$ 983.63
52	01/23/20	Walk Corridor and Mark Out Pothole on VN SB Lombard to Sutter. Granite Patch at Sutter/Pine	17.05	2050	1555	5490.0	\$ 1,181.88	\$ 1,174.06
52	01/24/20	Repair Pothole from Pothole and Granite Patch. Repair Additional Dis	17.05	2050	1555	5496.0	\$ 2,785.55	\$ 2,804.74

Total of All FARs Submitted by Contractor: \$96,101.37
Total Approved for Existing Roadway Repairs \$92,648.63

**ATTACHMENT 04
 SUMMARY OF PAY ITEM CM-14.08
 CORE DRILL TO VERIFY EXISTING ROADWAY BASE**

Progress Payment #	Date	Description	COR	Walsh Letter	RE Letter	FAR #	Requested Amount	Approved
46	02/19/19	Traffic Control for Bayline to Core Drill to Verify Roadbase	84	1627	1393	2963.0	\$ 1,289.80	\$ 1,289.80
46	02/20/19	Traffic Control for Bayline to Core Drill to Verify Roadbase Midblocks # 16, 17, 18, 19, 20	84	1627	1393	2965.0	\$ 1,374.19	\$ 1,374.19
46	02/21/19	Traffic Control for Bayline to Core Drill to Verify Roadbase SB Midblocks Turk & SB GG	84	1627	1393	2971.0	\$ 1,372.82	\$ 1,372.82
46	02/22/19	Traffic Control for Bayline to Core Drill to Verify Roadbase McAllister Midblocks Loc SB VN & GG	84	1627	1393	2992.0	\$ 1,487.95	\$ 1,487.95
46	02/27/19	Traffic Control for Bayline to Core Drill to Verify Roadbase Midblocks 29-31 & 12th St Intersection	84	1627	1393	3117.0	\$ 868.85	\$ 868.85
46	02/28/19	Traffic Control for Bayline to Core Drill to Verify Roadbase Midblocks 31-37, GG & Ellis	84	1627	1393	3118.0	\$ 868.85	\$ 868.85
46	03/01/19	Traffic Control for Bayline to Core Drill to Verify Roadbase NB Hayes Core #33 McAllister #37, #38 GG 39-40	84	1627	1393	3136.0	\$ 978.70	\$ 978.70
46	03/04/19	Traffic Control for Bayline Core Drilling NB VN/Eddy/O'Farrell/Geary/Bush/Pine	84	1627	1393	3142.0	\$ 998.81	\$ 998.81
46	03/07/19	Traffic Control for Bayline Cores to Verify Roadbase Sutter/Bush, Post/Bush	84	1627	1393	3162.0	\$ 665.92	\$ 665.92
46	03/08/19	Traffic Control for Bayline Core to Verify Roadbase	84	1627	1393	3168.0	\$ 1,332.55	\$ 1,332.55
46	03/11/19	Traffic Control for Bayline Core to Verify Roadbase	84	1627	1393	3178.0	\$ 797.77	\$ 797.77
46	03/13/19	Traffic Control for Bayline Core Drill Verify Roadbase Broadway, Pacific, Jackson & Washington	84	1627	1393	3327.0	\$ 340.94	\$ 340.94
46	08/26/19	Core Drilling to Verify Roadbase	84	1627	1393	4207.0	\$ 24,559.50	\$ 24,559.50

Total of All FARS Submitted by Contractor: \$36,936.65
Total Approved to Core Drill to Verify Roadway Base: \$36,936.65

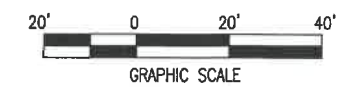
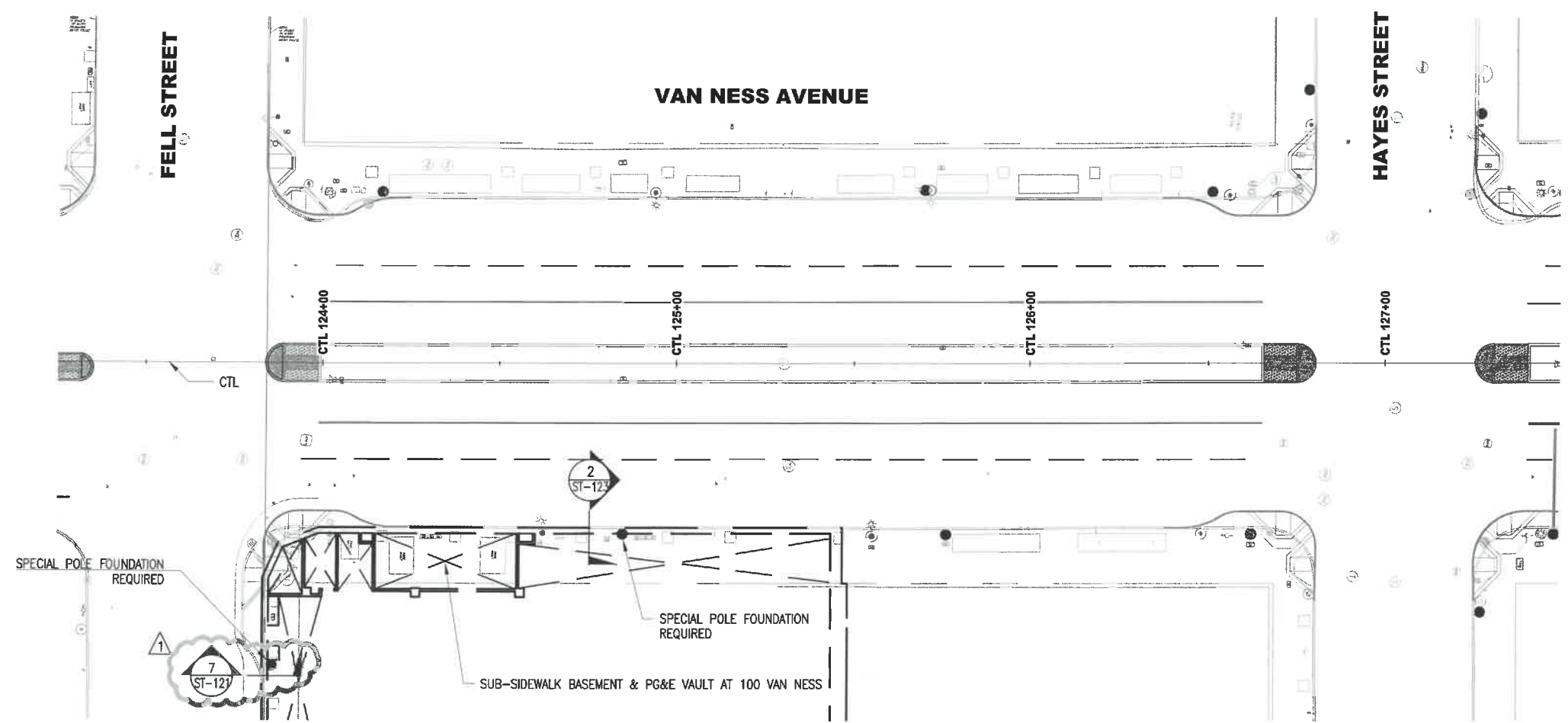
CONTRACT MODIFICATION # 14

ATTACHMENT # 5

PCC 13 DRAWINGS

NOTES:

1. CONTRACTOR TO VERIFY IN FIELD LOCATIONS, DEPTHS, AND EXTENT OF SUBSIDEWALK BASEMENTS AND UTILITY VAULTS PRIOR TO CONSTRUCTION. IF CONDITIONS DIFFER FROM THESE DRAWINGS, NOTIFY ENGINEER.



I:\CP\1540.1 Van Ness BRT\2_CCA\300_Design_Components\301_Drawings\17_Structural\1_Pole Foundations (SPVTA)\Sheet Files\ST-118-R1.dwg: mjhong Tue Feb 13 2018 - 12:02 pm

NO.	DATE	DESCRIPTION	DESIGNED	CHECKED	APPROVED
1	2/13/18	100 VAN NESS REVISIONS	MATTHEW FONG	JOHN SPRINKLE	VINCENT J. HARRIS

REVISIONS	REVISOR	CHECKED	APPROVED

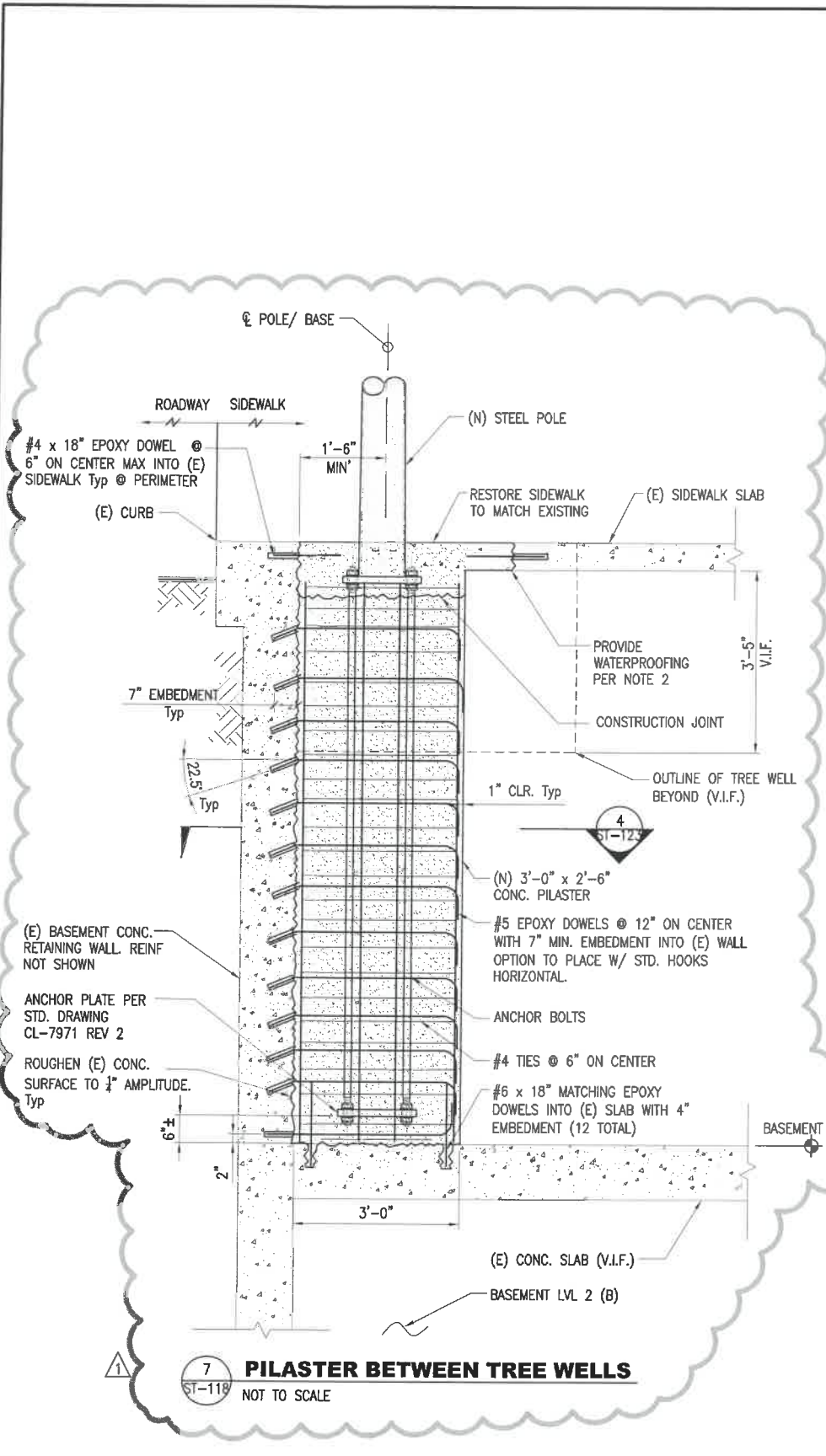
DESIGNED: MATTHEW FONG
 DRAWN: KATHRYN MANDAPAT
 CHECKED: JOHN SPRINKLE
 REVIEWED: MARK A. RUDNICKI
 RECOMMENDED: PRESTER WILSON
 APPROVED: P. MAHMOUDI
 DATE:



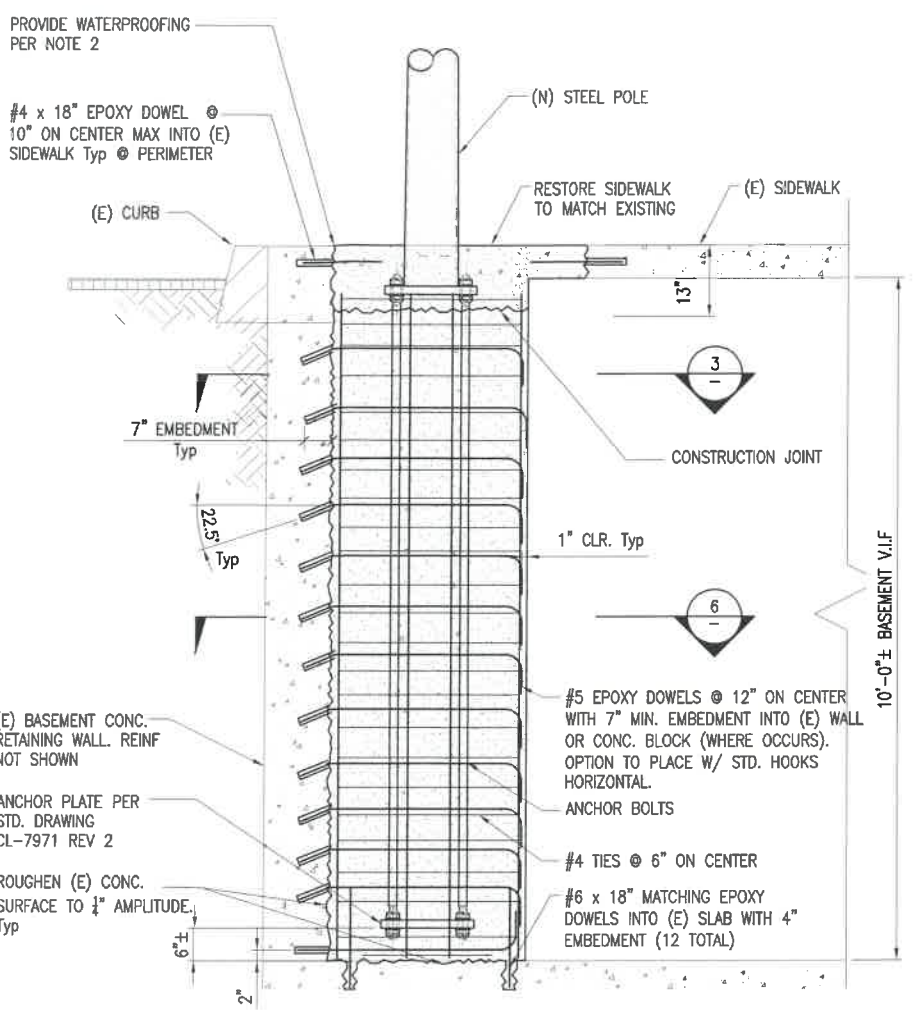
CITY AND COUNTY OF SAN FRANCISCO
MUNICIPAL TRANSPORTATION AGENCY
 APPROVED
 VINCENT J. HARRIS
 for the DIRECTOR OF TRANSPORTATION

MUNI BUS RAPID TRANSIT SYSTEM		1289
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT		CL-29066
STRUCTURAL SPECIAL POLE FOUNDATION FELL AND HAYES	ST-118	REVISION 1

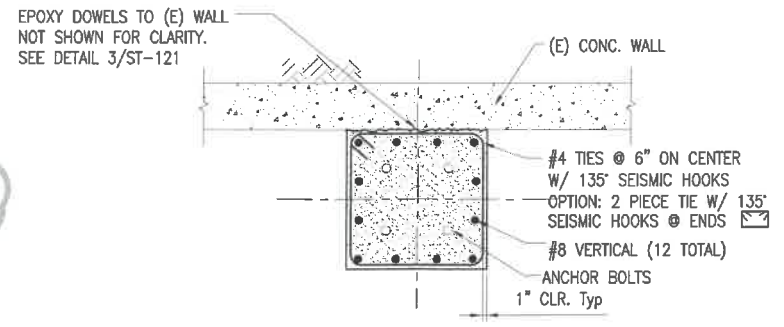
I:\CP1640.1 Van Ness BRT 2 CER\300_Design\Components\501_Drawing\17_Structural\1_Pole Foundations (SPVITA)\Sheet Files\ST-121-R1.dwg, 11/17/2018, 12:05 pm



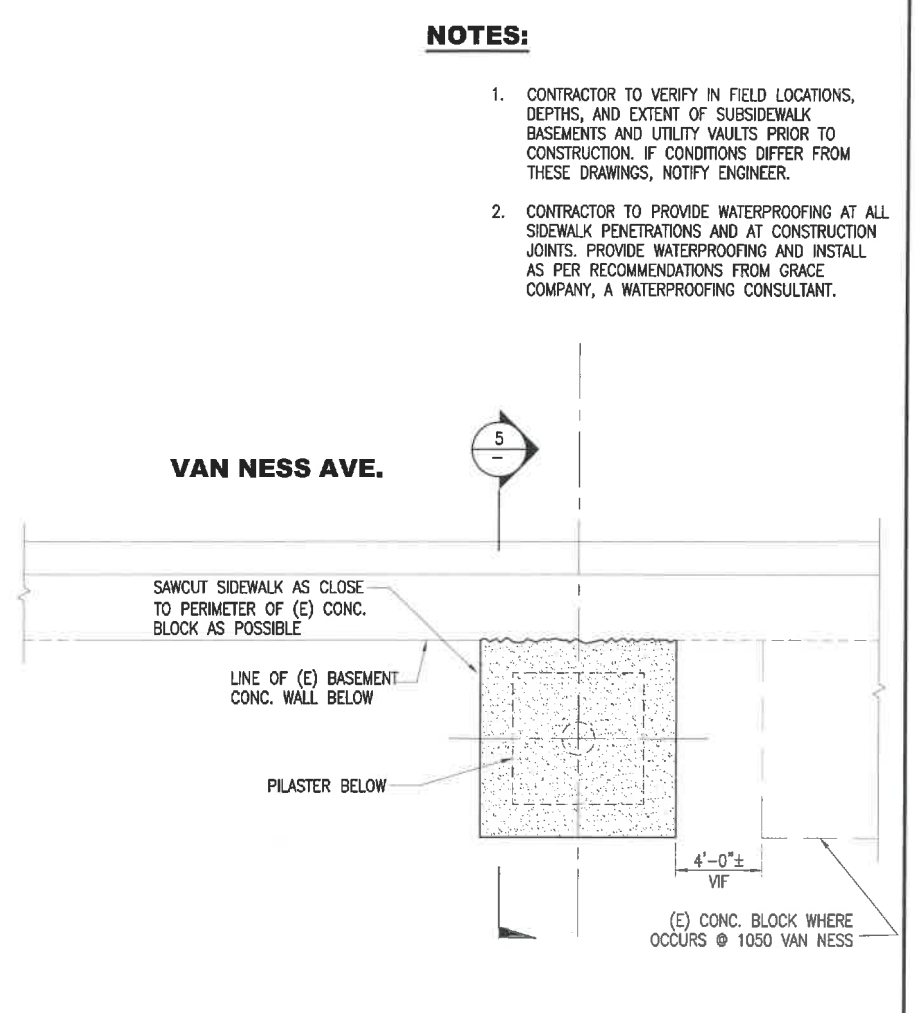
7 PILASTER BETWEEN TREE WELLS
ST-118 NOT TO SCALE



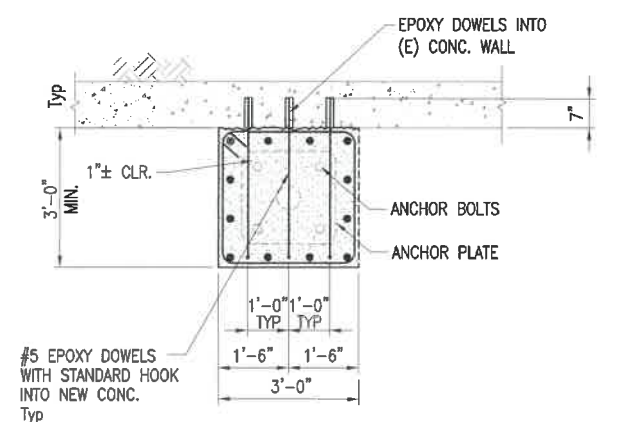
5 TYPICAL PILASTER AT BASEMENT
NOT TO SCALE



6 TYPICAL PILASTER DETAIL
ST-121 NOT TO SCALE



1 TYPICAL PILASTER PLAN AT SIDEWALK ABOVE BASEMENT
ST-116 NOT TO SCALE



3 TYPICAL PILASTER DETAIL AT CONC. WALL
NOT TO SCALE

- NOTES:**
- CONTRACTOR TO VERIFY IN FIELD LOCATIONS, DEPTHS, AND EXTENT OF SUBSIDEWALK BASEMENTS AND UTILITY VAULTS PRIOR TO CONSTRUCTION. IF CONDITIONS DIFFER FROM THESE DRAWINGS, NOTIFY ENGINEER.
 - CONTRACTOR TO PROVIDE WATERPROOFING AT ALL SIDEWALK PENETRATIONS AND AT CONSTRUCTION JOINTS. PROVIDE WATERPROOFING AND INSTALL AS PER RECOMMENDATIONS FROM GRACE COMPANY, A WATERPROOFING CONSULTANT.

FOR ORIGINAL SIGNATURES, SEE CL-29095, REV 0

NO.	DATE	DESCRIPTION	REVISIONS	REVISOR	CHECKED	APPROVED
1	2/13/18	100 VAN NESS REVISIONS				

DESIGNED	MATTHEW FONG
DRAWN	KATHRYN MANDAPAT
CHECKED	JOHN SPRINKLE
REVIEWED	MARK A. RUDNICKI
RECOMMENDED	PRESTER WILSON
APPROVED	F. MAHMOUDI
DATE	



CITY AND COUNTY OF SAN FRANCISCO
MUNICIPAL TRANSPORTATION AGENCY

APPROVED
VINCENT J. HARRIS
for the DIRECTOR OF TRANSPORTATION

MUNI BUS RAPID TRANSIT SYSTEM
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT

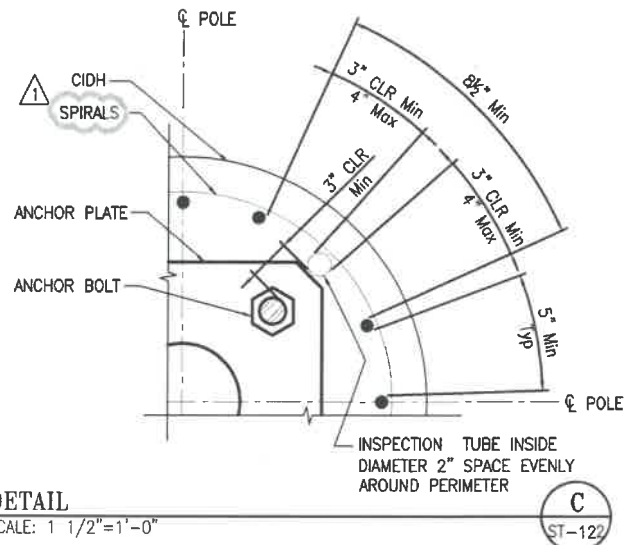
STRUCTURAL
SPECIAL POLE FOUNDATION DETAILS
SHEET 1 OF 3

1289	REVISION
CL-29095	
ST-121	1

CIDH REINFORCING AND INSPECTION TUBE SCHEDULE			
CIDH DIAMETER	VERTICAL BARS	SPIRALS	INSPECTION TUBE
3'-0"	12-#8	#4 @ 6"	4
3'-6"	12-#9	#5 @ 6"	4

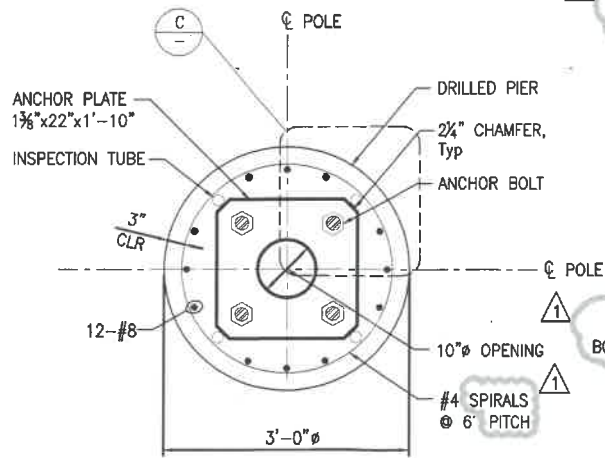
NOTES:

- PROVIDE A HEX NUT, LEVELING NUT AND 2 WASHERS FOR EACH ANCHOR BOLT.
- FOR ANCHOR BOLTS, THREAD TOP 10" AND GALVANIZE TOP 1'-0"; THREAD BOTTOM 8".
- 4"x6 1/2" ROUNDED RECTANGLE HANDHOLE REINFORCED WITH RING WELDED TO OUTSIDE OF POLE. HANDHOLE REINFORCEMENT RING SHALL BE 3/8"x2". PROVIDE 1/8" COVER PLATE.
- HANDHOLES SHALL BE LOCATED ON THE DOWNSTREAM SIDE OF TRAFFIC.
- DURING POLE INSTALLATION, THE POST SHALL BE RAKED WITH THE USE OF LEVELING NUTS. SEE OVERHEAD PLANS FOR RAKING REQUIREMENTS OF POLES.
- UNIT STRESSES (STRUCTURAL STEEL):
 - F_y = 55,000 psi (TAPERED STEEL TUBES AND ANCHOR BOLTS)
 - F_y = 50,000 psi (UNLESS OTHERWISE NOTED)
- UNIT STRESSES (REINFORCED CONCRETE):
 - F'c = 4,000 psi (AT 28 DAYS)
 - F_y = 60,000 psi
- FOR OVERHEAD CONTACT SYSTEM, SEE OVERHEAD PLANS (OV SHEET).
- FOR POLES PROPERTIES, BASE PLATES, AND ANCHOR BOLTS. SEE SHEET ST-110 (OCS AND STREETLIGHT POLES)



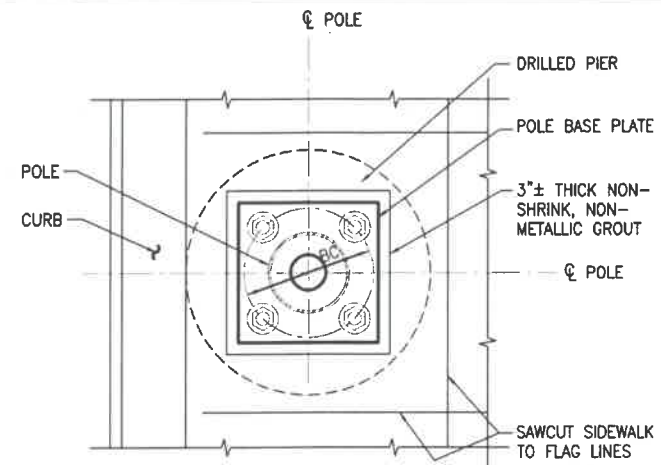
DETAIL

SCALE: 1 1/2"=1'-0"



SECTION

SCALE: 3/4"=1'-0"

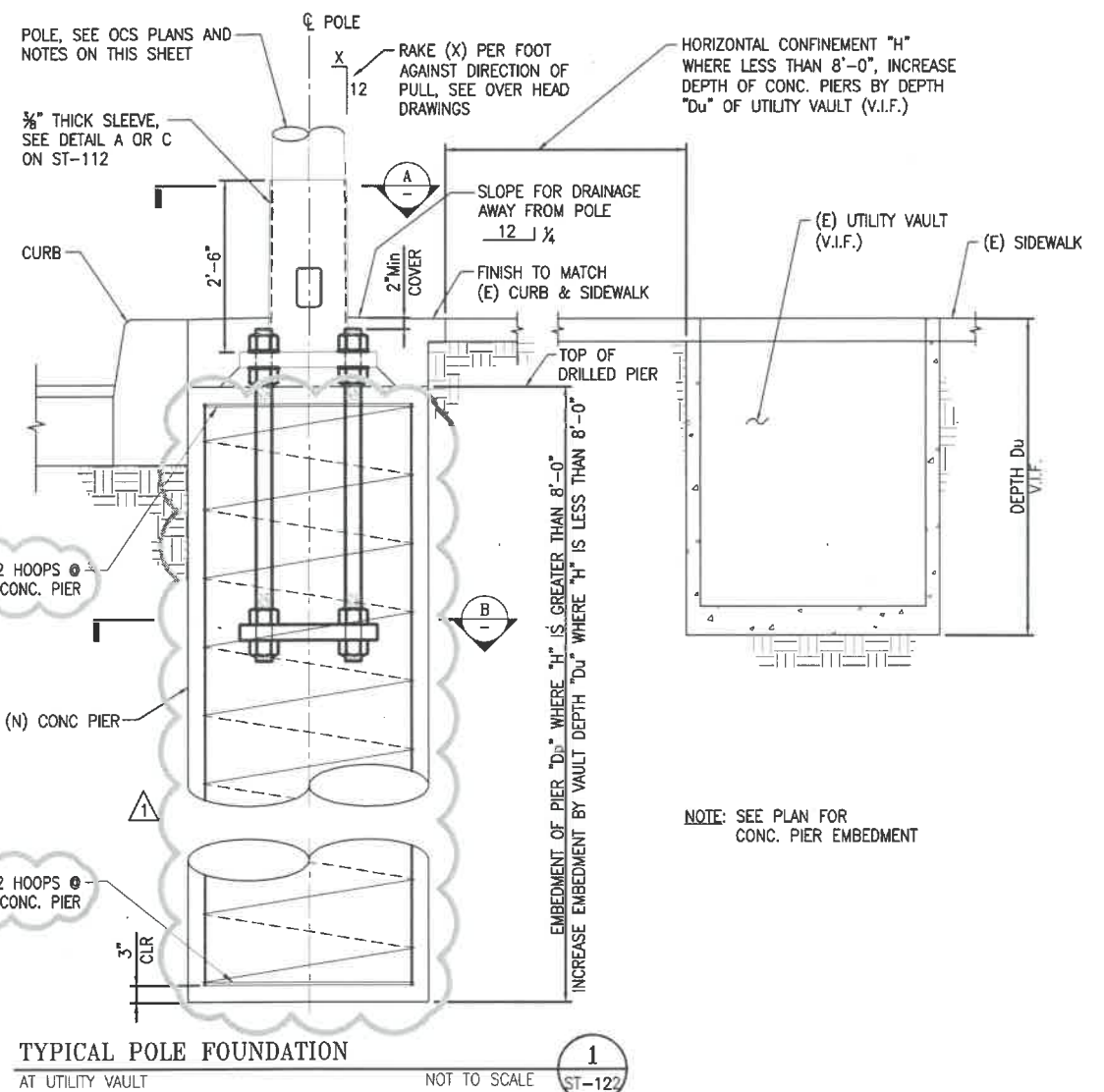


SECTION

SCALE: 3/4"=1'-0"

NOTE:

- CONTRACTOR TO VERIFY ON FIELD LOCATIONS, DEPTHS, AND EXTENT OF SUBSIDEWALK BASEMENTS AND UTILITY VAULTS PRIOR TO CONSTRUCTION. IF CONDITIONS DIFFER FROM THESE DRAWINGS, NOTIFY ENGINEER.



TYPICAL POLE FOUNDATION

AT UTILITY VAULT

NOT TO SCALE

1

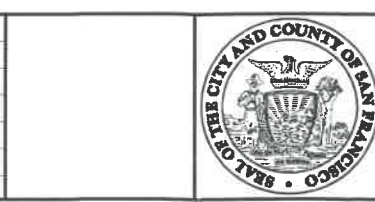
ST-122

FOR ORIGINAL SIGNATURES, SEE CL-29096, REV 0

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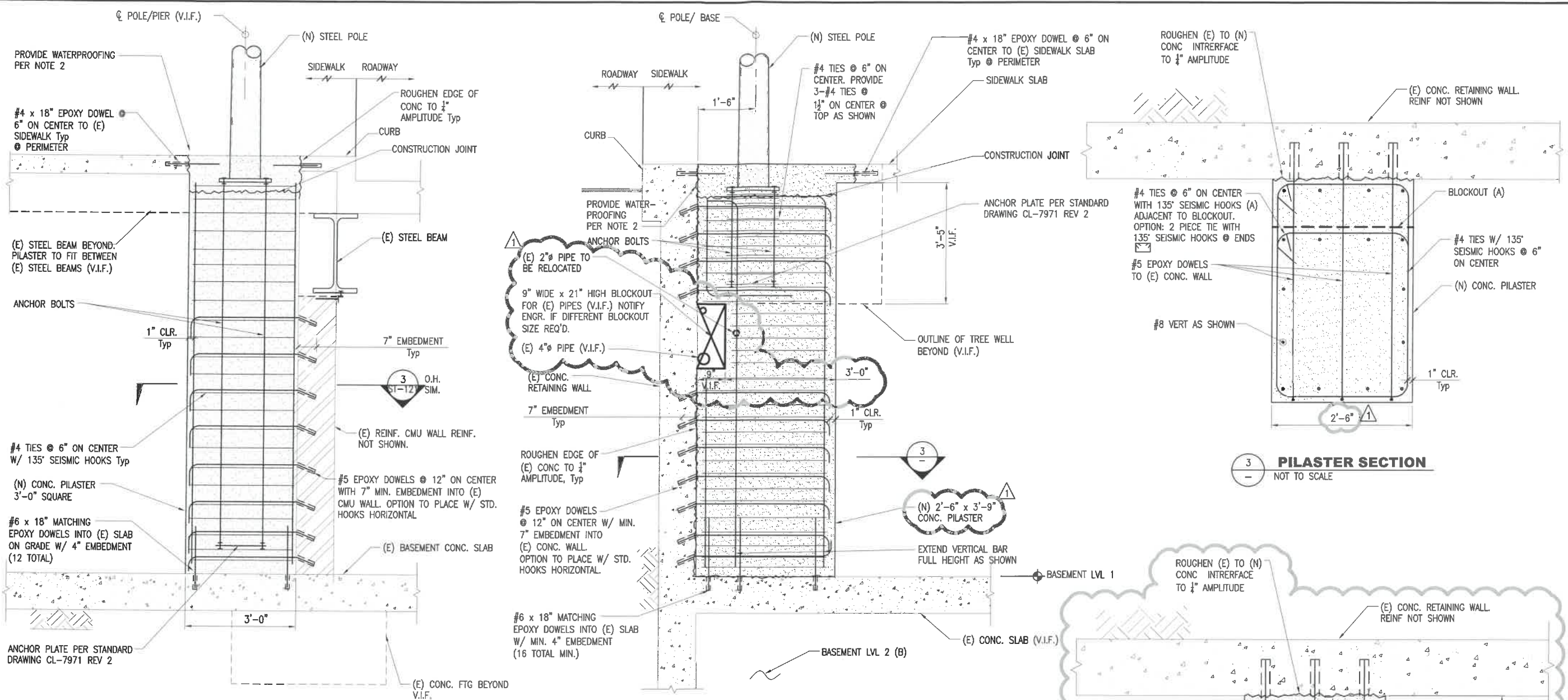
NO.	DATE	DESCRIPTION	DESIGNED	CHECKED	REVIEWED	APPROVED
1	3/9/18	FOUNDATION REINFORCEMENT REVISIONS	MATTHEW FONG	KATHRYN MANDAPAT	JOHN SPRINKLE	F. MAHMOUDI

DESIGNED	CHECKED	REVIEWED	RECOMMENDED	APPROVED
MATTHEW FONG	KATHRYN MANDAPAT	JOHN SPRINKLE	MARK A. RUDNICKI	F. MAHMOUDI



CITY AND COUNTY OF SAN FRANCISCO
MUNICIPAL TRANSPORTATION AGENCY
 APPROVED
 VINCENT J. HARRIS
 for the DIRECTOR OF TRANSPORTATION

MUNI BUS RAPID TRANSIT SYSTEM	1289
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT	CL-29096
STRUCTURAL SPECIAL POLE FOUNDATION DETAILS	ST-122
SHEET 2 OF 3	1



1 PILASTER
ST-117 NOT TO SCALE

2 PILASTER
ST-118 NOT TO SCALE

3 PILASTER SECTION
NOT TO SCALE

4 PILASTER SECTION
ST-121 NOT TO SCALE

NOTES:

- CONTRACTOR TO VERIFY ON FIELD LOCATIONS, DEPTHS, AND EXTENT OF SUBSIDEWALK BASEMENTS AND UTILITY VAULTS PRIOR TO CONSTRUCTION. IF CONDITIONS DIFFER FROM THESE DRAWINGS, NOTIFY ENGINEER.
- CONTRACTOR TO PROVIDE WATERPROOFING AT ALL SIDEWALK PENETRATIONS AND AT CONSTRUCTION JOINTS. PROVIDE WATERPROOFING AND INSTALL AS PER RECOMMENDATIONS FROM GRACE COMPANY, A WATERPROOFING CONSULTANT.

FOR ORIGINAL SIGNATURES. SEE CL-29097, REV 0

NO.	DATE	DESCRIPTION	REVISIONS
1	2/13/18	100 VAN NESS REVISIONS	

DESIGNED MATTHEW FONG
DRAWN KATHRYN MANDAPAT
CHECKED JOHN SFRINKLE
REVIEWED MARK A. RUDNICKI
RECOMMENDED PRESTER WILSON
APPROVED F. MAHMOUDI
DATE



CITY AND COUNTY OF SAN FRANCISCO
MUNICIPAL TRANSPORTATION AGENCY

APPROVED
VINCENT J. HARRIS
for the DIRECTOR OF TRANSPORTATION

MUNI BUS RAPID TRANSIT SYSTEM	1289
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT	CL-29097
STRUCTURAL SPECIAL POLE FOUNDATION DETAILS	ST-123
SHEET 3 OF 3	1

I:\LPT16401_Van Ness BR132_CEBV500_Design_Comparisons\501_Drawings\12-Structural\1_Pole_Foundation\12-Structural\1_Pole_Foundation.dwg, Tue, 11/11/2015, 12:08:40 PM

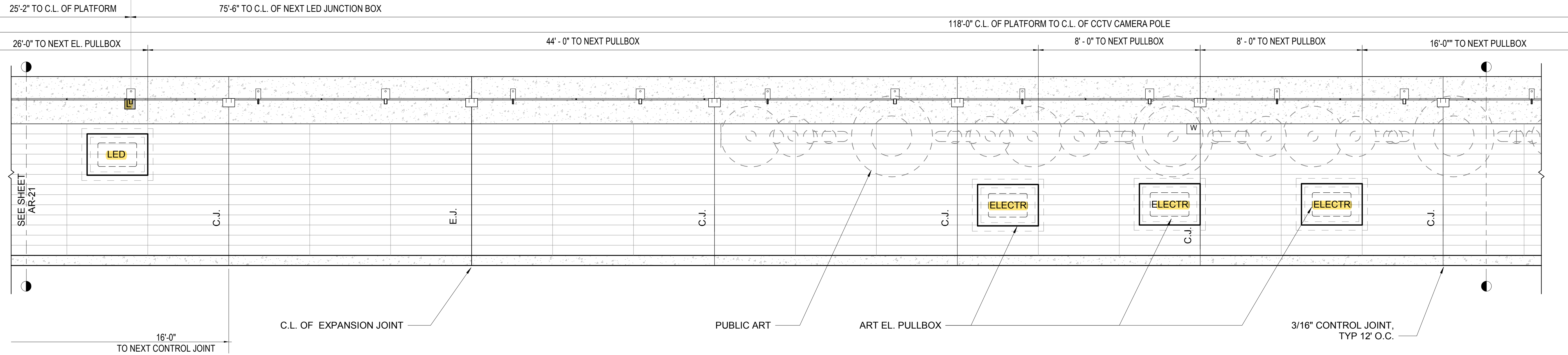
CONTRACT MODIFICATION # 14

ATTACHMENT # 5

**REVISED AR-22 DRAWING ISSUED
WITH RE LETTER # 1558**

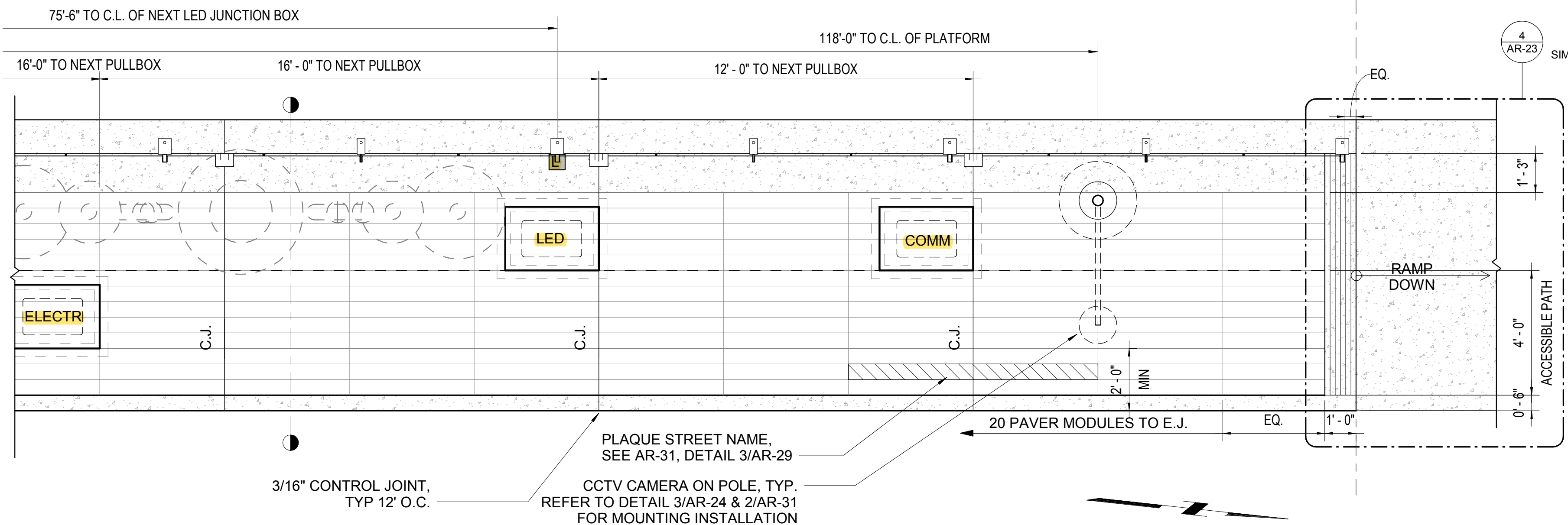
252'-6 9/16" PLATFORM

EQ.
TO C.L. OF PLATFORM



252'-6 9/16" PLATFORM

EQ.
TO C.L. OF PLATFORM



NOTES

- TICKET VENDING MACHINE
- ELECTRICAL PULL BOX
- COMMUNICATION PULL BOX
- LED DRIVERS PULL BOX
WunderCover visible borders
Christy N30 box (underground)
underground flange
- LED DRIVER JUNCTION BOX
- IN-GROUND HOSE BIB BELOW,
W/ LOCKING ACCESS DOOR, TYP.
SEE DETAIL 2/AR-25

NOTES:
1. WEEP HOLES TO BE INSTALLED AT EACH CONTROL JOINT, CENTER U.O.N.

1 Type 3 - Enlarged plan
3/8" = 1'-0"

NO.	DATE	DESCRIPTION	REVISED	CHECKED	APPROVED
1	06-10-2020	REV 1 Revised Platform layout			

DESIGNED
DRAWN
CHECKED
REVIEWED
RECOMMENDED
APPROVED
DATE

LICENSED ARCHITECT
WILLIAM H. KWAN
NO. C-18263
REN. 11/2017
STATE OF CALIFORNIA

CITY AND COUNTY OF SAN FRANCISCO
MUNICIPAL TRANSPORTATION AGENCY
APPROVED
for the DIRECTOR OF TRANSPORTATION

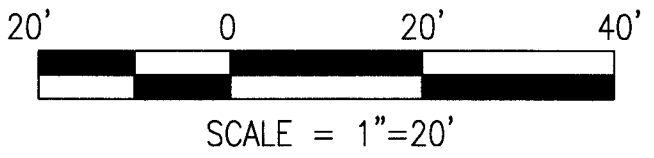
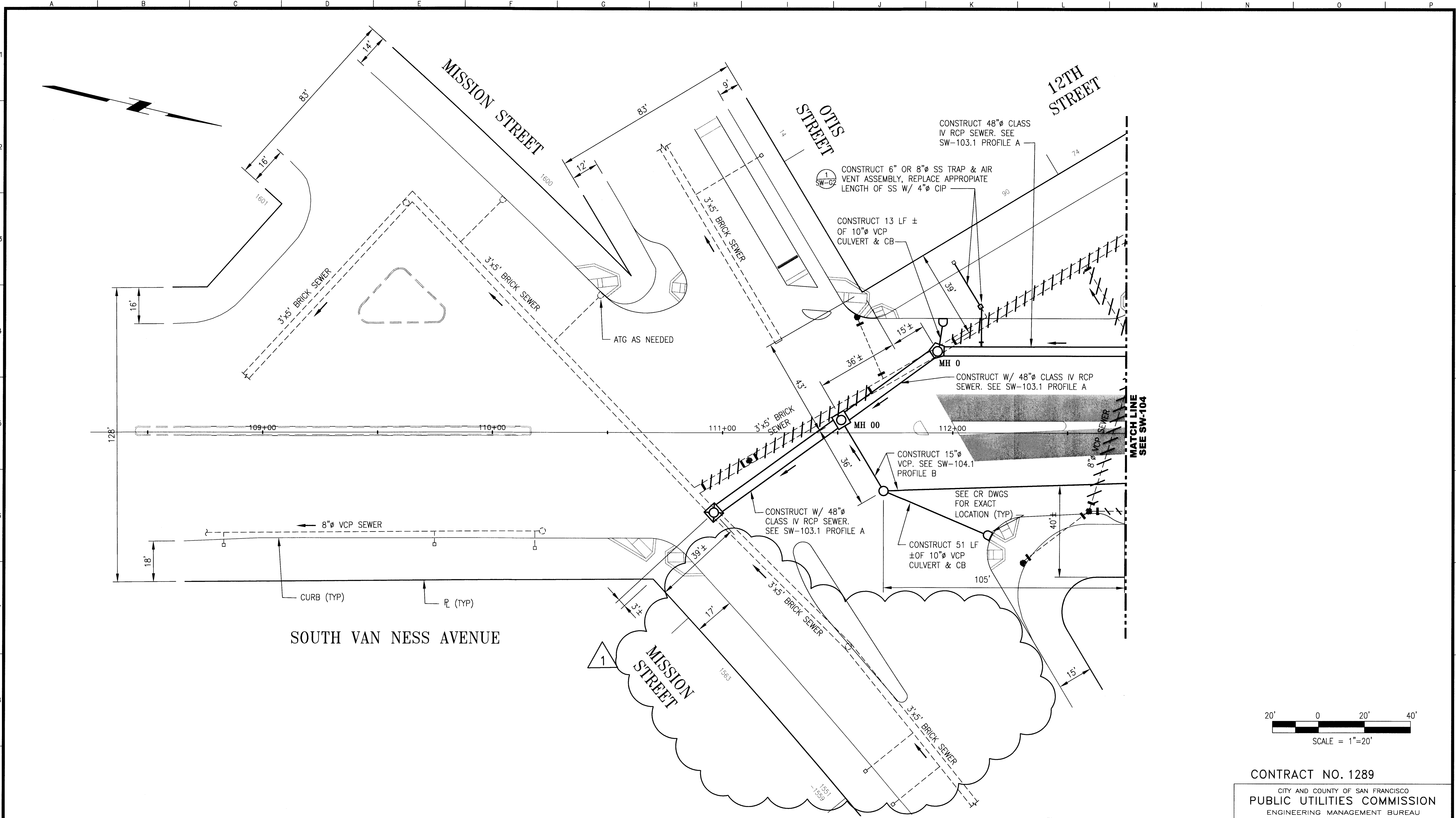
MUNI BUS RAPID TRANSIT SYSTEM
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT
ENLARGED PLAN - TYPE 3

1289	CL-28899
AR-22	REVISION
AR-31	1

CONTRACT MODIFICATION # 14

ATTACHMENT # 5

PCC 19 DRAWINGS



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

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

APPROVED

MANAGER ASSISTANT GENERAL MANAGER
WASTEWATER ENTERPRISES

SHEET OF 102,716 SW-103 1

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

NO.	DATE	DESCRIPTION	BY	APPR'D
11/18		DELETE (N) 48" RCP ON MISSION	BN	GF

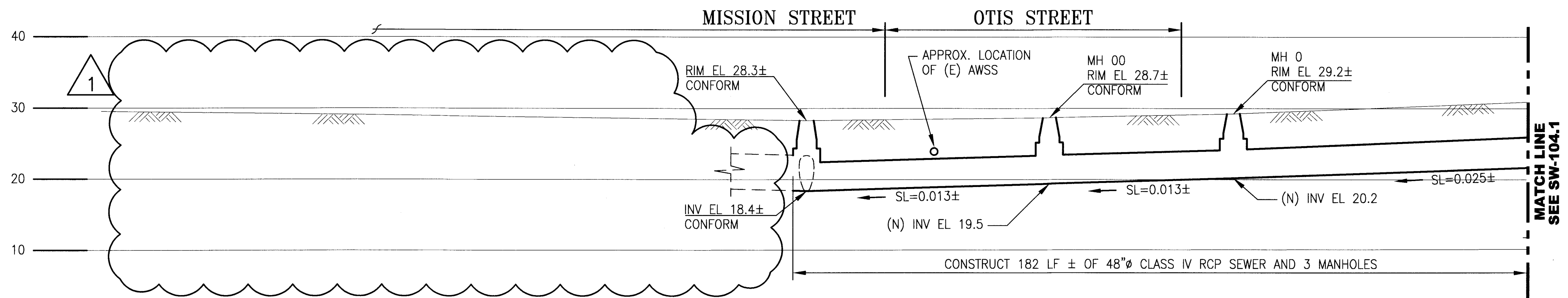
REFERENCES
GATE BOOK PAGES, PLANS,
SURVEY NOTES, ETC., USED

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



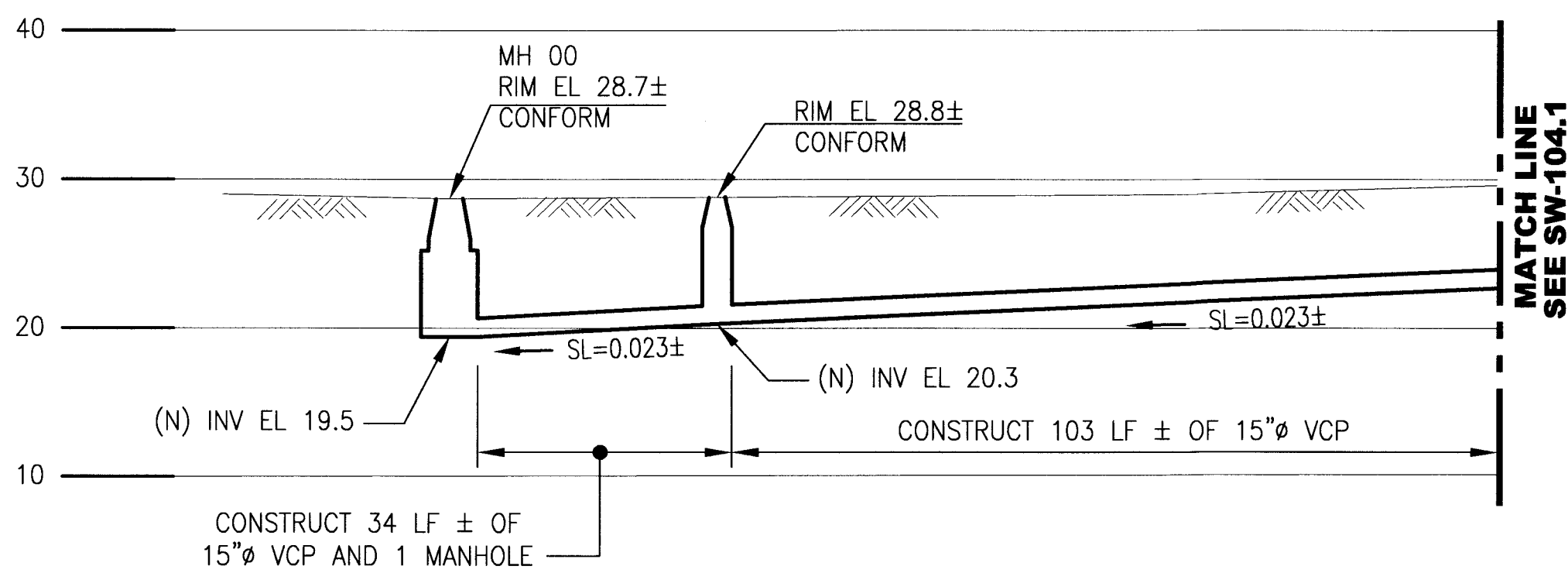
ELEVATION
DATUM
CITY

SEE SW-103 102,716 REV 0 FOR ORIGINAL SIGNATURES



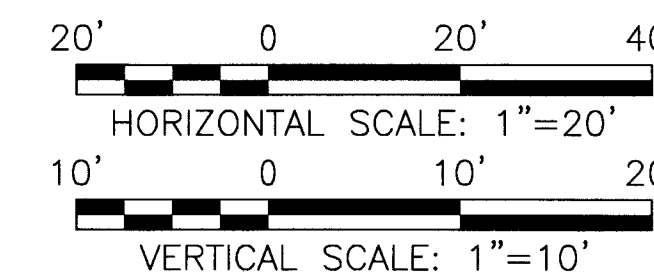
PROFILE A

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 REPLACEMENT
CTL 108+25 TO 112+75
PROFILE

SECTION MANAGER		DRAWN	
DEPUTY DIVISION MANAGER		DESIGNED	
DIVISION MANAGER		CHECKED	
NO.		DATE	
DESCRIPTION		BY	
REVISIONS		APPR'D	

SECTION MANAGER	CHECKED	DRAWN	SCALE
DIVISION MANAGER	RECOMMENDED	DESIGNED	AS NOTED
APPROVED		APPROVED	
MANAGER		ASSISTANT GENERAL MANAGER	
NO.		DATE	
DESCRIPTION		BY	
REVISIONS		APPR'D	

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

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



ELEVATION
DATUM
CITY

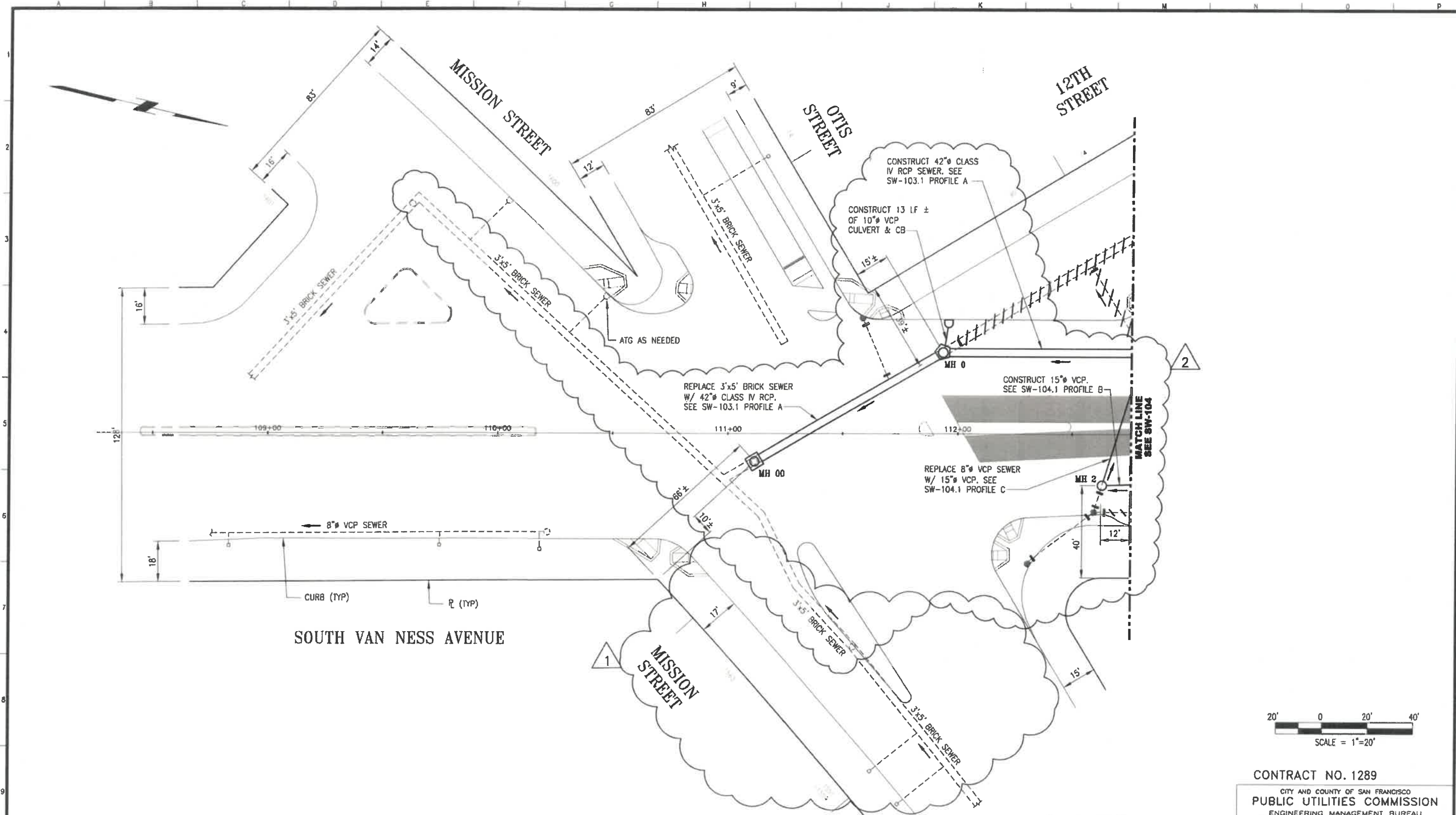
SEE SW-103.1 102,717 REV 0 FOR
ORIGINAL SIGNATURES

SHEET OF 102,717 SW-103.1 1

CONTRACT MODIFICATION # 14

ATTACHMENT # 5

PCC 20 DRAWINGS



SEE SW-103 102,716 REV 0 FOR ORIGINAL SIGNATURES

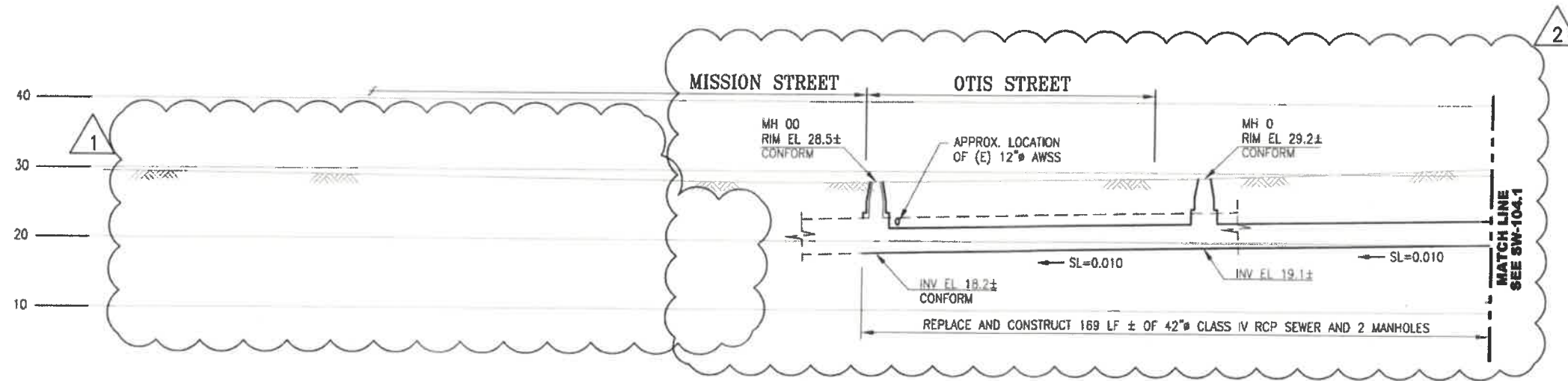
ELEVATION DATUM CITY

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

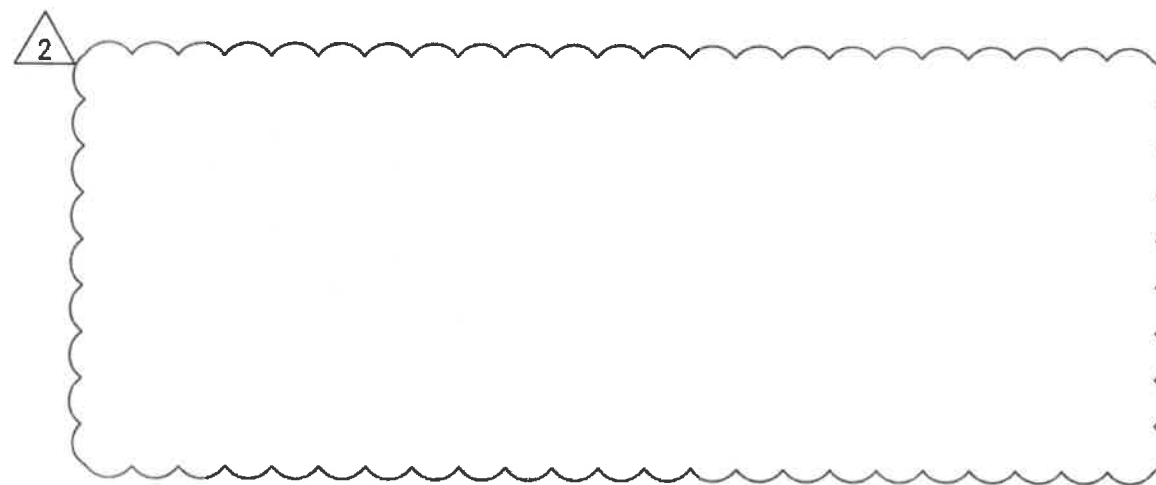


CITY AND COUNTY OF SAN FRANCISCO SAN FRANCISCO PUBLIC WORKS DESIGN & ENGINEERING			
SECTION MANAGER	DRYNO	V.CHEUNG	02/2019
DEPUTY DIVISION MANAGER	DESIGNED	B.NG	02/2019
DIVISION MANAGER	CHECKED	G.FONG	02/2019
02/19	42" RCP & 15" VCP REALIGNMENT	BN	GF
11/18	DELETE (N) 48" RCP ON MISSION	BN	GF
NO.	DATE	DESCRIPTION	BY
REVISIONS			

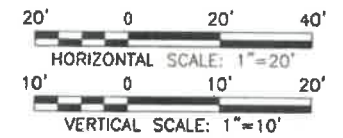
CONTRACT NO. 1289			
CITY AND COUNTY OF SAN FRANCISCO PUBLIC UTILITIES COMMISSION ENGINEERING MANAGEMENT BUREAU			
MUNI BUS RAPID TRANSIT SYSTEM VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT VAN NESS AVENUE SEWER REPLACEMENT CTL 108+25 TO 112+75 PLAN			
SECTION MANAGER	CHECKED	DRAWN	SCALE AS NOTED
DIVISION MANAGER	RECORDED	DATE	
APPROVED		APPROVED	
MANAGER		SUPERVISOR	
SHEET	OF	PLAN NO.	REVISION
102,716	SW-103	2	



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 REPLACEMENT
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

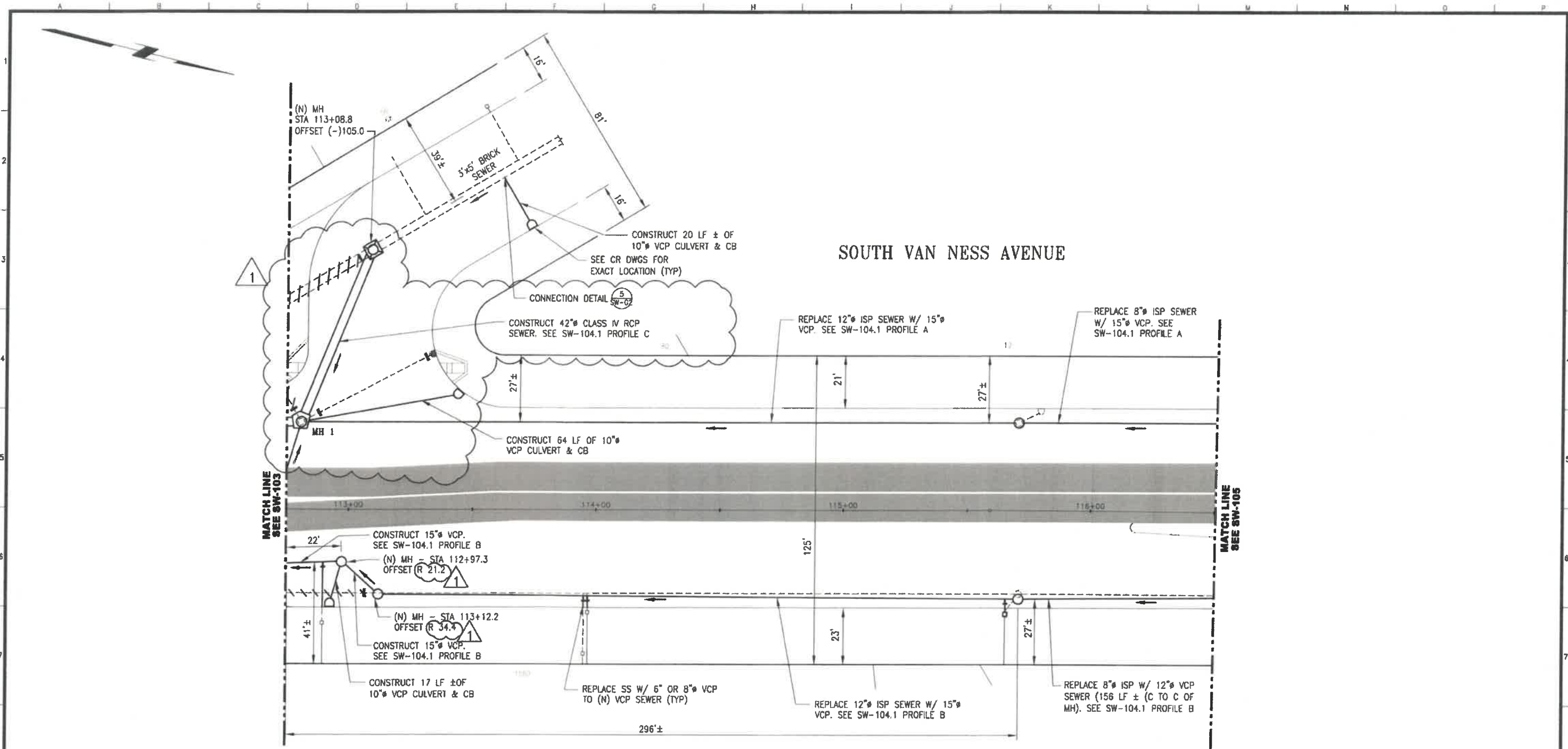


CITY AND COUNTY OF SAN FRANCISCO SAN FRANCISCO PUBLIC WORKS DESIGN & ENGINEERING				
SECTION MANAGER V. CHEUNG	DATE 02/2019			
DEPUTY DIVISION MANAGER B. NG	DATE 02/2019			
DIVISION MANAGER G. FONG	DATE 02/2019			
NO.	DATE	DESCRIPTION	BY	APPROVED
02/18		42" RCP & 15" VCP REALIGNMENT	BN	GF
11/18		DELETE (N) 48" RCP ON MISSION	BN	GF

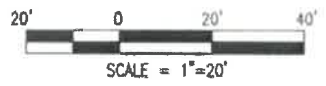
SECTION MANAGER	CHECKED	DRAWN	SCALE AS NOTED
DIVISION MANAGER	DESIGNED	DATE	
APPROVED		APPROVED	
MANAGER	PLAN NO.	DRAWING NO.	REVISION
	102.717	SW-103.1	2

SEE SW-103.1 102,717 REV 0
FOR ORIGINAL SIGNATURES

ELEVATION
DATUM
CITY



SOUTH VAN NESS AVENUE



**SEE SW-104 102,718 REV 0
FOR ORIGINAL SIGNATURES**

ELEVATION
DATUM
CITY

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	DRAWN	DATE
DEPUTY DIVISION MANAGER	CHECKED	DATE
DIVISION MANAGER	RECOMMENDED	DATE

02/19 15" VCP REALIGNMENT

NO.	DATE	DESCRIPTION	BY	APP'D

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**

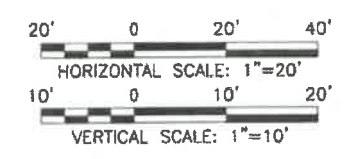
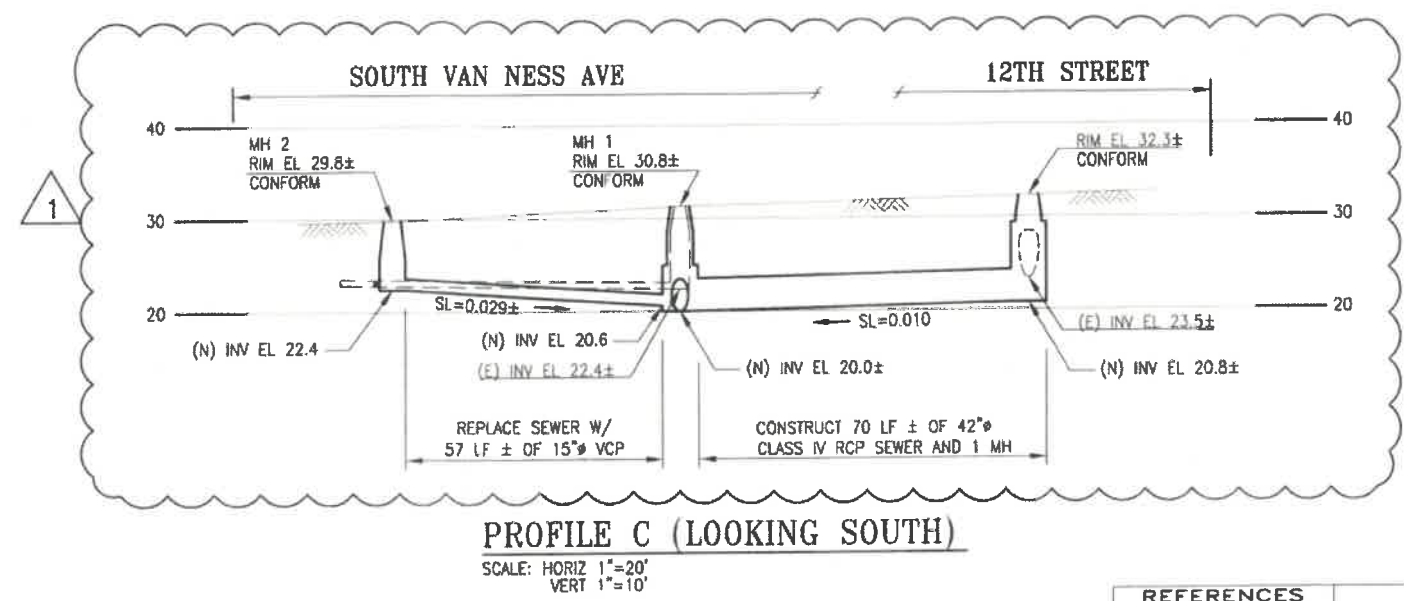
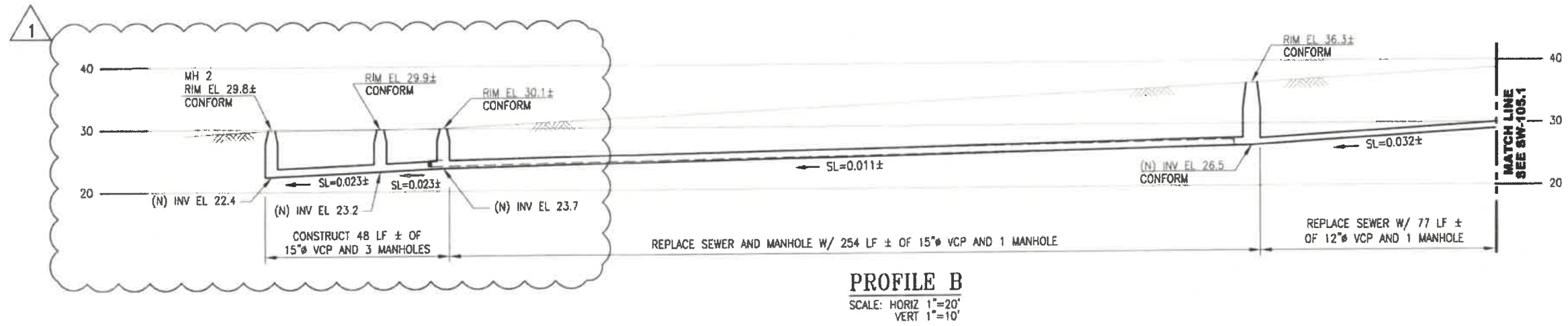
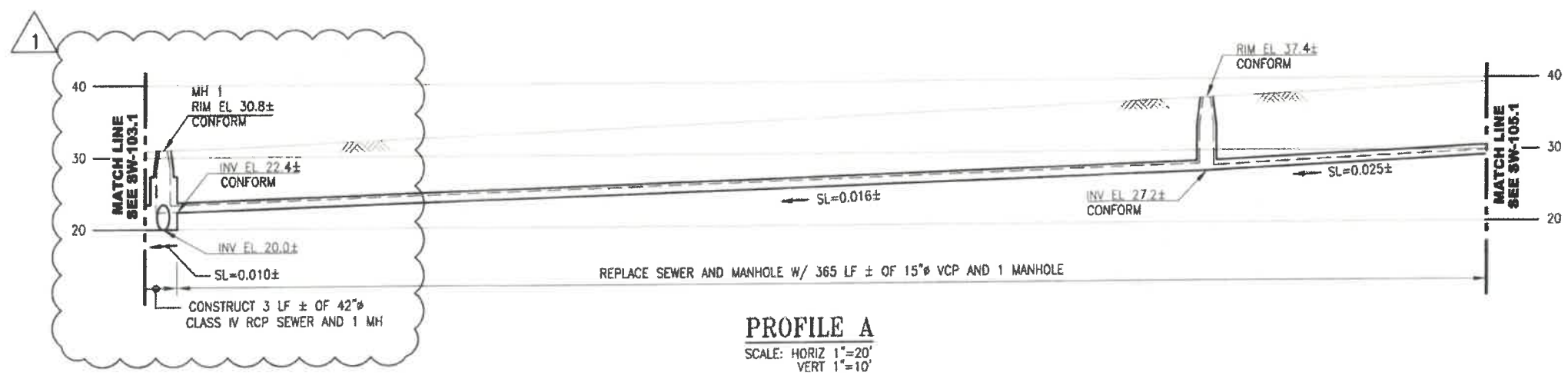
SECTION MANAGER	CHECKED	DRAWN	SCALE
DIVISION MANAGER	RECOMMENDED	DATE	AS NOTED

APPROVED

MANAGER	DATE	APPROVED

MANAGER PLAN NO. DATE

SHEET	OF	102,718	SW-104	1
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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 112+75 TO 116+50
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	DATE	SECTION MANAGER	CHECKED	DATE
DEPUTY DIVISION MANAGER	DATE	DIVISION MANAGER	RECORDED	DATE
DIVISION MANAGER	DATE	APPROVED	APPROVED	DATE

NO.	DATE	DESCRIPTION	BY	APP'D
02/18	02/19	42" RCP & 15" VCP REALIGNMENT	BN	GF

SEE SW-104.1 102,719 REV 0
FOR ORIGINAL SIGNATURES

ELEVATION
DATUM
CITY

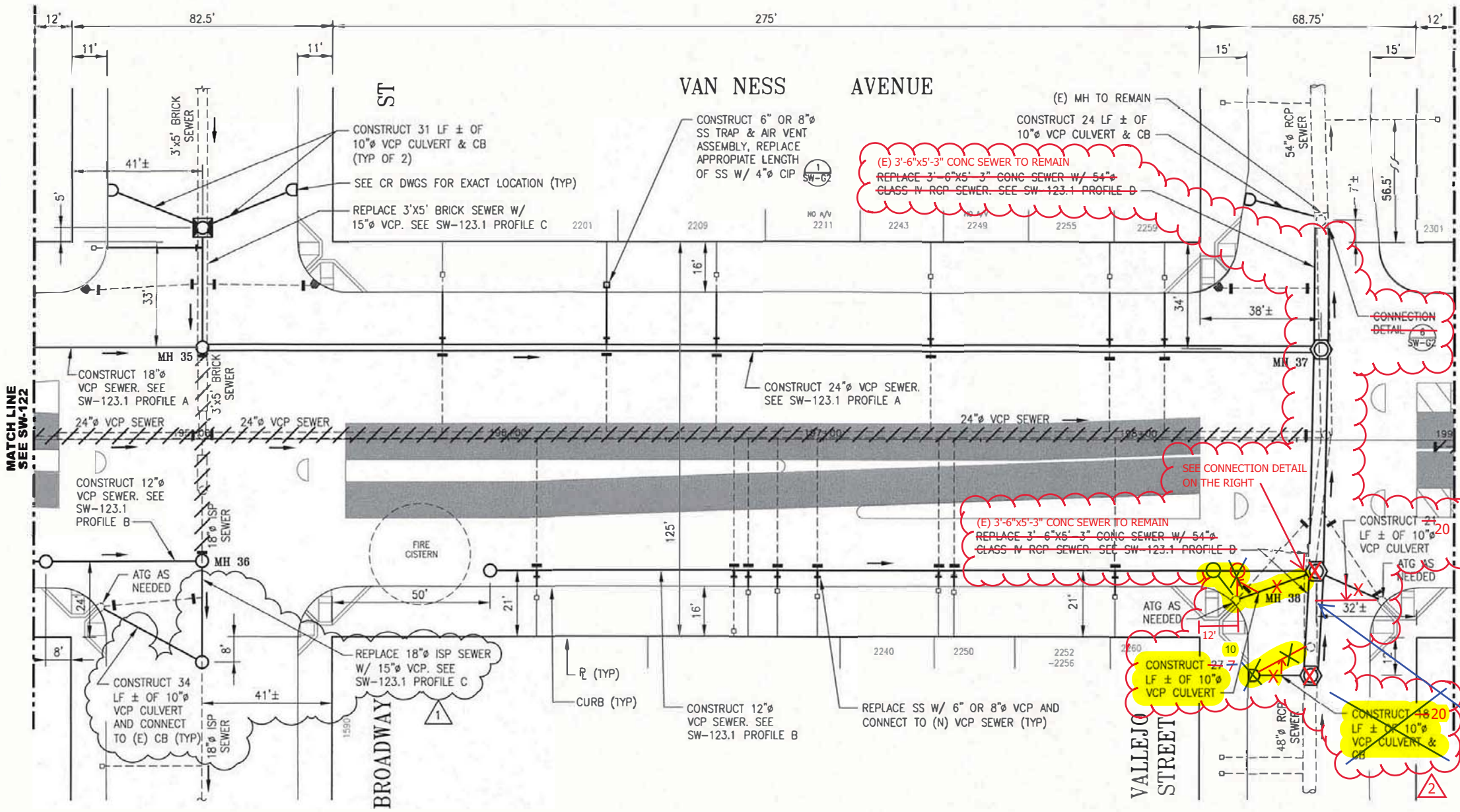
SHEET OF 102,719 SW-104.1 1

HYD JOB ORDER NO. 2449J

CONTRACT MODIFICATION # 14

ATTACHMENT # 5

PCC 10 DRAWINGS

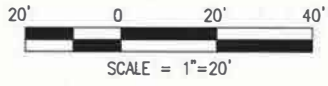
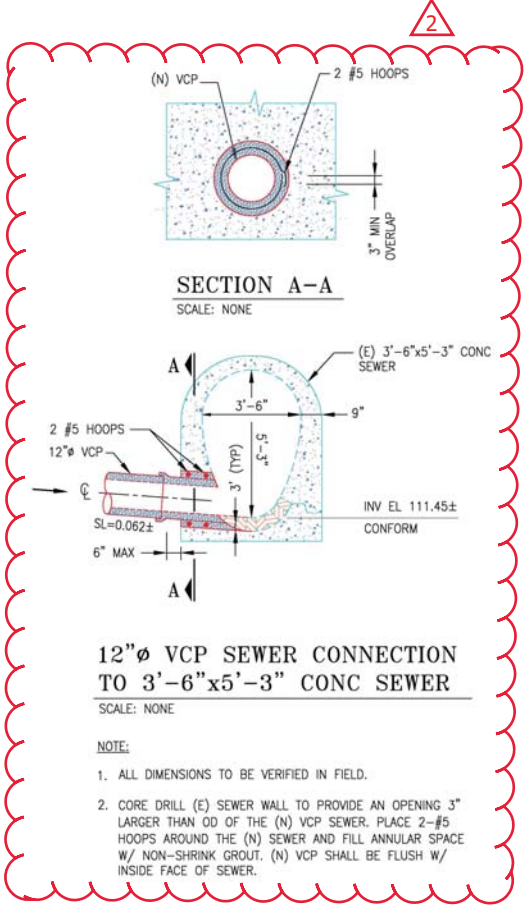


(E) 3'-6"x5'-3" CONC SEWER TO REMAIN
 REPLACE 3'-6"x5'-3" CONC SEWER W/ 54" CLASS IV RCP SEWER. SEE SW-123.1 PROFILE B

(E) 3'-6"x5'-3" CONC SEWER TO REMAIN
 REPLACE 3'-6"x5'-3" CONC SEWER W/ 54" CLASS IV RCP SEWER. SEE SW-123.1 PROFILE B

CONSTRUCT 27' LF ± OF 10" VCP CULVERT

CONSTRUCT 48' 20" LF ± OF 10" VCP CULVERT & CB



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

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

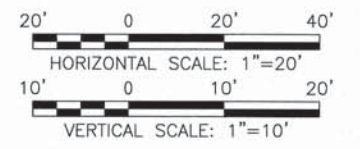
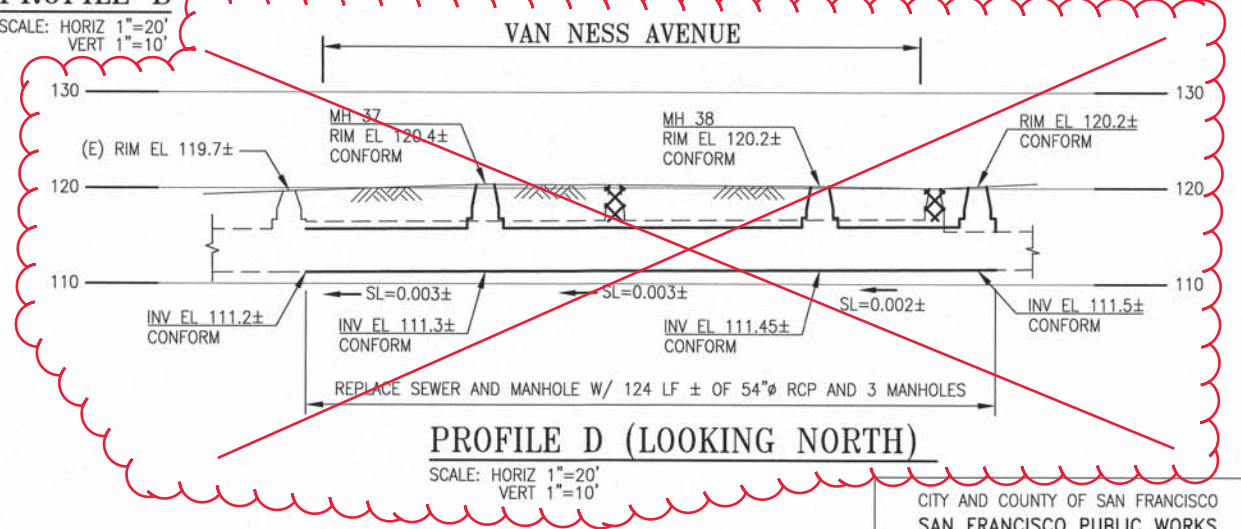
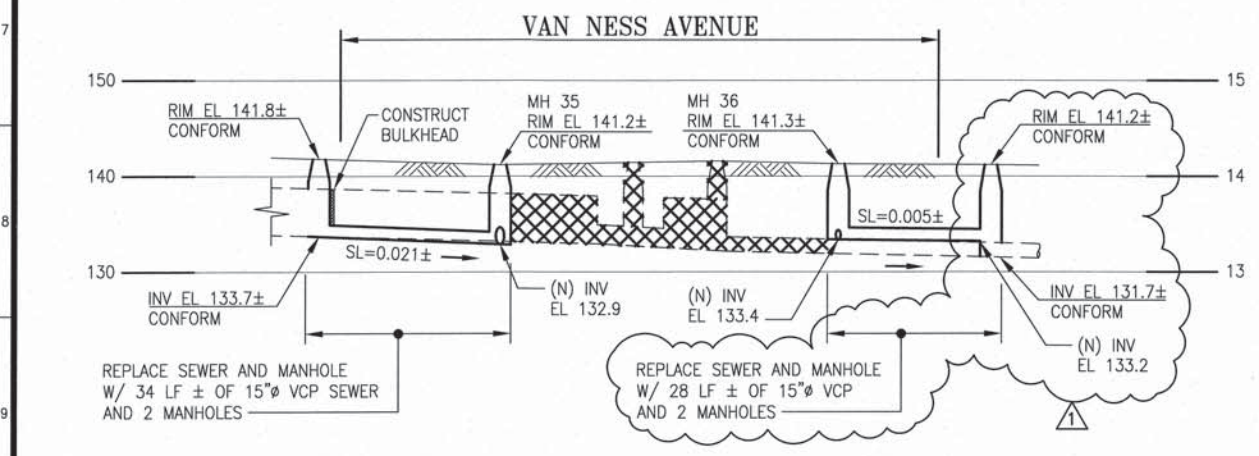
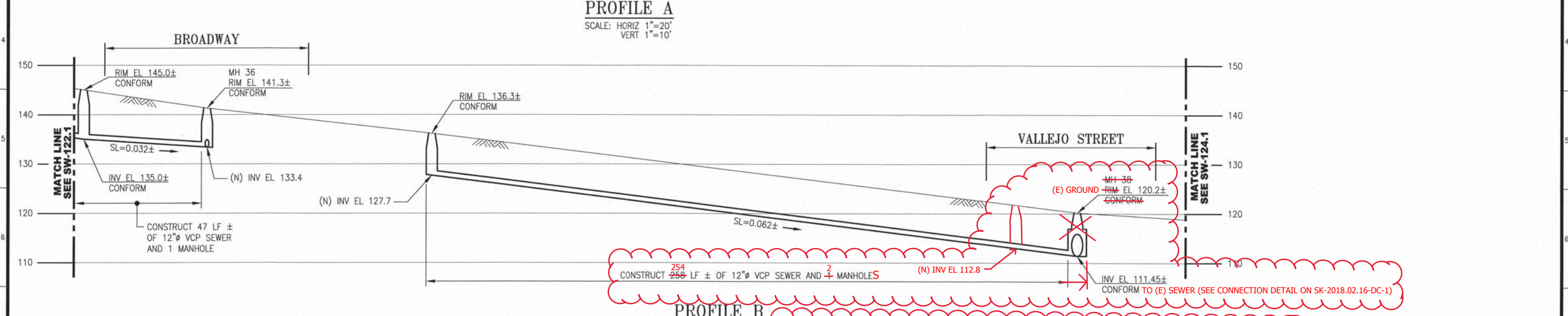
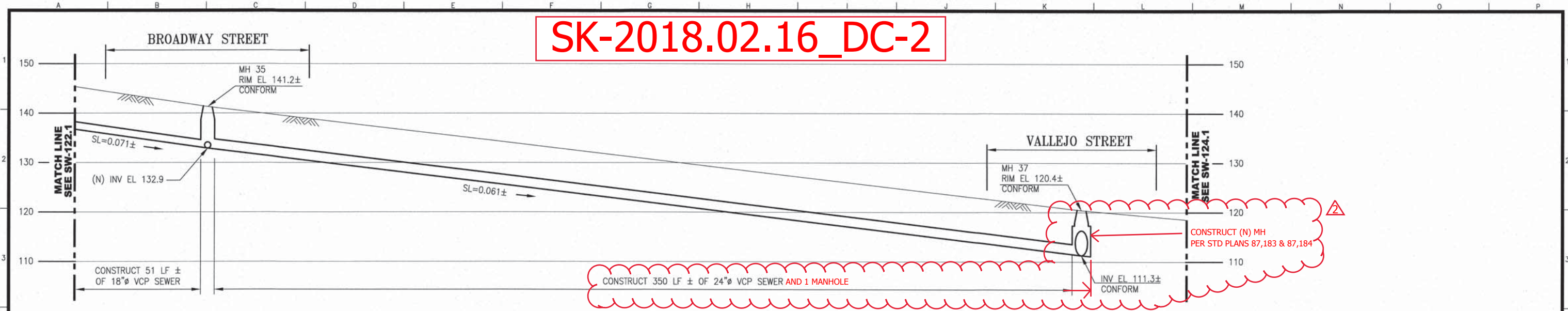
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DEPUTY DIVISION MANAGER C. HSIEH 12/22/16	DESIGNED C. HSIEH 12/2016
DIVISION MANAGER L. WONG 12/22/16	CHECKED L. WONG 12/2016

2/18 DESIGN CHANGE AT VALLEJO	G.F. L.W.
12/16 DESIGN CHANGE AT BROADWAY	C.H. L.W.
NO. DATE	DESCRIPTION BY APP'D
REVISIONS	

SECTION MANAGER	CHECKED	DRAWN	SCALE AS NOTED
DIVISION MANAGER	RECOMMENDED	DESIGNED	DATE
APPROVED	APPROVED		
MANAGER	ASSISTANT GENERAL MANAGER WASTEWATER DIVISION	PLAN NO.	REVISION NO.
SHEET OF	102,756	SW-123	+2

ELEVATION DATUM CITY

SK-2018.02.16_DC-2



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	DESIGNED	DATE
DEPUTY DIVISION MANAGER	CHECKED	DATE
DIVISION MANAGER	APPROVED	DATE

2/18 DESIGN CHANGE AT VALLEJO G.F. L.W.
12/16 DESIGN CHANGE AT BROADWAY C.H. L.W.

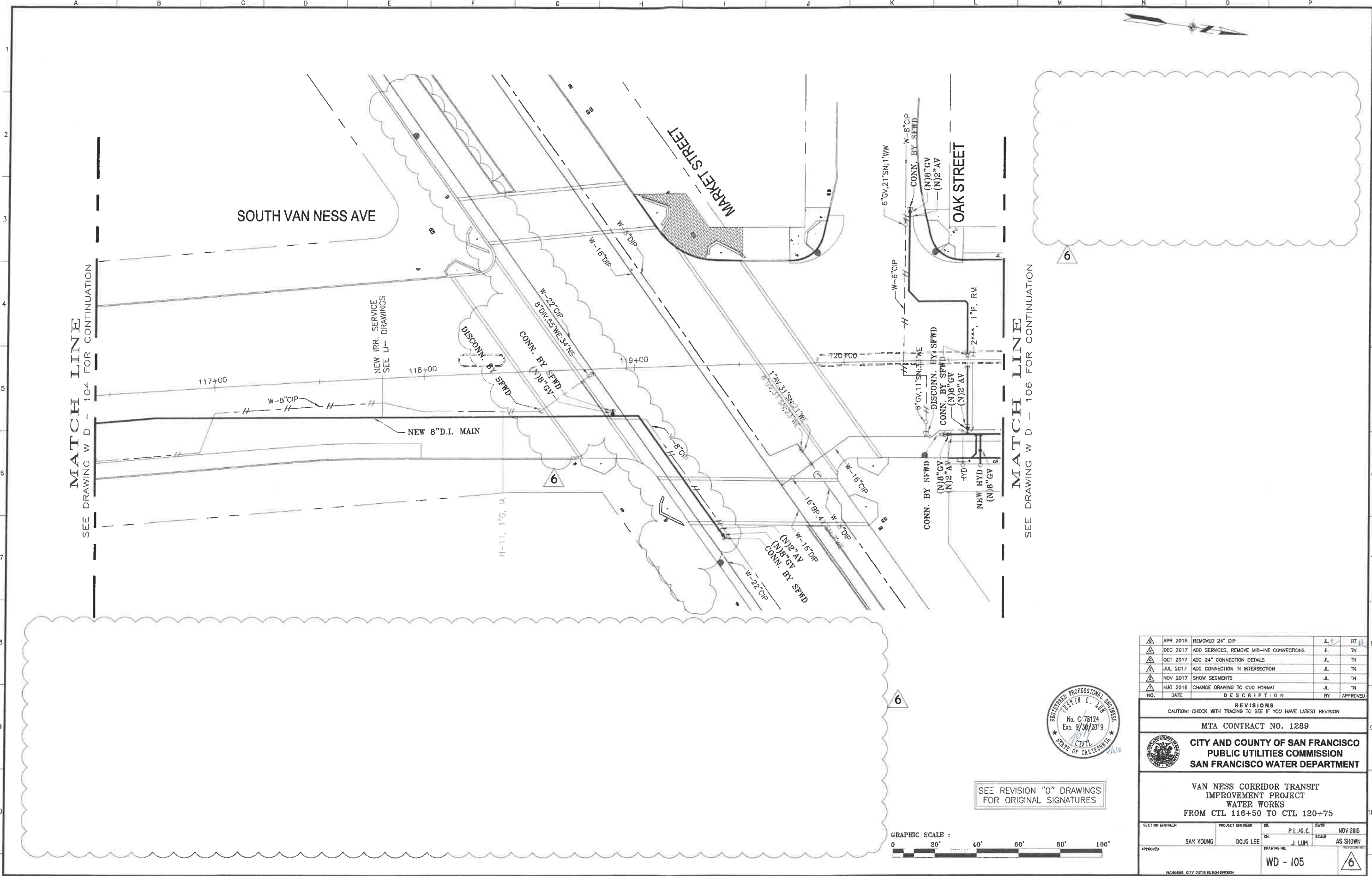
SECTION MANAGER	CHECKED	DRAWN	SCALE AS NOTED
DIVISION MANAGER	RECOMMENDED	DESIGNED	DATE
APPROVED	APPROVED		
MANAGER	PLAN NO.	DRAWING NO.	REVISION NO.
	102,757	SW-123.1	+2

ELEVATION DATUM CITY

CONTRACT MODIFICATION # 14

ATTACHMENT # 5

PCC 12 DRAWINGS



MATCH LINE
SEE DRAWING W D - 104 FOR CONTINUATION

MATCH LINE
SEE DRAWING W D - 106 FOR CONTINUATION



SEE REVISION "O" DRAWINGS
FOR ORIGINAL SIGNATURES



NO.	DATE	DESCRIPTION	BY	APPROVED
▲	APR 2018	REMOVED 24" DIP	JL	RT
▲	DEC 2017	ADD SERVICES, REMOVE MID-INT CONNECTIONS	JL	TN
▲	OCT 2017	ADD 24" CONNECTION DETAILS	JL	TN
▲	JUL 2017	ADD CONNECTION IN INTERSECTION	JL	TN
▲	NOV 2017	SHOW SEGMENTS	JL	TN
▲	AUG 2016	CHANGE DRAWING TO CDD FORMAT	JL	TN

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

MTA CONTRACT NO. 1289

**CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
SAN FRANCISCO WATER DEPARTMENT**

**VAN NESS CORRIDOR TRANSIT
IMPROVEMENT PROJECT
WATER WORKS
FROM CTL 116+50 TO CTL 120+75**

SECTION ENGINEER	PROJECT ENGINEER	DL	P.L./G.C.	DATE
SAM YOUNG	DOUG LEE	CK	J. LUM	NOV 2015
APPROVED	DRAWING NO.	SCALE	AS SHOWN	
	WD - 105			

MANAGER, CITY DISTRIBUTION DIVISION

ENCLOSURE 3
 Van Ness Corridor Transit Improvement Project Contract No. 1289
 Project Budget and Financial Plan

Project Budget (by Type of Work)	Amount
Core Bus Rapid Transit (BRT)	\$185.5 M
Water Line Replacement	\$26.8 M
Sewer Replacement	\$20.6 M
SFGO Traffic Signals	\$24.6 M
Muni Forward	\$4.3 M
Emergency Firefighting System Replacement	\$6.2 M
Bus Procurement	\$4.0 M
Bus Power Overhead Contact System and Pole Replacement	\$30.3 M
Lighting Replacement	\$13.0 M
Green Infrastructure	\$1.2 M
Total	\$316.4 M

Project Budget (by Phase)	Amount
Environmental	\$6.0 M
Conceptual Engineering	\$8.9 M
Detailed Design	\$15.9 M
Construction	\$281.7 M
Total	\$316.4 M

Funding Sources	Amount
FTA 5309 Small Starts	\$74,999,999
Active Transportation Program	\$4,058,000
California Pacific Medical Center Contribution	\$5,000,000
Central Freeway Parcel Revenues	\$12,654,135
FTA 5307 Formula Funds	\$3,980,000
FTA 5309 State of Good Repair Funds	\$23,871,440
FTA Congestion Mitigation and Air Quality	\$20,000,000
PPM: Planning, Programming and Monitoring funds	\$197,907
Prop B Population based General Fund Set Aside	\$8,134,232
Prop K Sales Tax	\$44,898,444
PUC Local Funds	\$61,543,618
SFMTA Series 2013 Revenue Bonds	\$1,765,751
SFMTA Series 2016 Revenue Bonds	\$48,000,000
State Highway Operation and Protection Program (SHOPP)	\$7,304,868
TOTAL	\$316,408,394