


Memorandum

CS Memorandum No. 1400

To: Distribution
From: Beverly Ward, CMB/Risk Management Assistant 
Date: March 27, 2013
Reference: Project No. M544.1, Contract No. CS-149
Task No. 1-8.02, Change Control
Subject: Configuration Management Board Meeting No. 117

Attached please find minutes for Configuration Management Board Meeting No. 117 held on March 13, 2013.

Attachments: CMB Meeting No. 117 Rev. 0 Minutes with attachments

Cc: David Kuehn, STV (w/attachments) david.kuehn@stvinc.com
Shahnam Farhangi, SFMTA (w/attachments)
Arthur Wong, SFMTA (w/attachments)
Jane Wang, SFMTA (w/attachments)
Aileen Read, CSDG (w/attachments)
CS File No. M544.1.5.0890

Distribution:

Brad Lebovitz, STV bradley.lebovitz@stvinc.com
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Roger Nguyen, SFMTA
Elisa Ng, SFMTA
John Funghi, SFMTA
Albert Hoe, SFMTA
Richard Redmond, CSP
Ross Edwards, CSP
Sarah Wilson, CSP
Eric Stassevitch, CSP
Mark Latch, CSP
Mark Benson, CSP
Beverly Ward, CSP

CMB Meeting Minutes #117

DATE: March 15, 2013

MEETING DATE: **March 13, 2013**

LOCATION: 821 Howard St, Main Conference Room

TIME: 3:00 PM

ATTENDEES: J Funghi (JF), A. Hoe (AH), J. Park (JP), R. Nguyen (RN), R. Edwards (RE), M. Benson (MB), S. Wilson (SW), R. Redmond (RR), E. Stassevitch (ES), B. Ward (BW), B. Lebovitz (BL), M. Latch (ML), L. Zurinaga (LZ)

COPIES TO: Attendees: S. Farhangi (SF), A. Wong (AW), J. Wang (JW), A. Read (AR), D. Kuehn (DK)
File No. M544.1.5.0890

REFERENCE Project No. M544.1, Contract No. 149 Task 1-8.02
Final Design

SUBJECT: Configuration Management Board Meeting # 117 – Rev. No. 0

RECORD OF MEETING *(Italicized text indicates status update of open items)*

ITEM #	DISCUSSION	ACTION BY DUE DATE
1 – 02/20/13	<p>Action Items Review:</p> <p>1252 – COR 033 – Retrieval Shaft – 20” Water Line – An update to the current condition will be given at next CMB meeting. Status: <i>03/13 Due to time restrictions this item was not discussed at this week’s meeting.</i></p> <p>1300 – WP 1254 – SF Planning Request – Planning department requested 5 street trees along Stockton Street. The ECP will be brought back to the CMB along with an estimate. The CMB recommended a response be drafted to Service Planning of what the cost will be from a design standpoint and that they identify a funding source. Status: <i>03/13 Due to time restrictions this item was not discussed at this week’s meeting.</i></p> <p>1252 – Validation that 1300 docs include as built information on asbestos pipe – As built information has yet to be included in 1300 Contract documents, 1252 as built drawings will be included in Addendum #5. Status: <i>03/13 Due to time restrictions this item was not discussed at this week’s meeting.</i></p>	<p>MB 03/20/13</p> <p>RE 03/20/13</p> <p>RE 03/20/13</p>
1-	The Quality Assurance Manager gave a status update to the initial findings from the current QA audits of the CM1100 series and how it correlates with the Construction Management Procedures. A final report of findings along with recommendations for procedural language changes will be forthcoming.	
2-	1252 – S. Wilson presented cost estimate and comparison (see attached) for COR 048 - for cost associated with removal of 3’ x 5’ brick sewer at UMS South Headwall. AGREE – CMB 0114 – Not To Exceed value of \$12,474.65. RE will update the comparison sheet to be included in the CMod with comments supporting negotiations position to justify cost analysis.	



ITEM #	DISCUSSION	ACTION BY DUE DATE
3-	1252 – S. Wilson presented Evaluation of Merit of, COR 051 – Elevation Design Conflict (30' low psi water/sewer) design Conflict Contract drawings show the water and sewer line at the same invert elevation. Actual elevation for the waterline as actually 2' deeper. As a result the Contractor crews lowered the invert elevation by approximately 2 feet. This resulted in additional resources and required excavation to install the proposed sewer main. CMB agreed with merit	
4-	1252 – S. Wilson presented Evaluation of Merit of, COR 073 – Removal of MOS Unknown 16" Pipe – Contractor discovered and removed an abandoned 16" pipe at the Northeast Headwall located in the trench of the proposed 12" low pressure waterline. Removal was necessary due to pipe being at the same elevation as the 12" waterline. CMB agreed with merit for differing site condition work associated with removal of pipe	
5-	E. Stassevitch presented information for the two utility relocation contracts 1250 and 1251 final net cost to the Program to address questions raised at last week's meeting. A comparison of each contract's budget against the final contract closeout was presented. CN1250 cost to the Program including utility reimbursements is \$9,692,731. CN1251 cost to the Program including utility reimbursements is \$13,176,469. See Attached	
6-	1252 – PCC 10 Relocation of TBM Retrieval Shaft - PCC 10 design change was presented for CMB approval on January 9, 2013 with approval to forward to the Contractor together with a Force Account change order for a "not to exceed" amount of \$50K, directing, the Contractor to perform work related to the Demolition plan and preparation of full cost proposal for the design change to relocate the TBM Retrieval Shaft. The minutes incorrectly stated 20K which was the original draft value, but subsequently revised to 50K in the meeting. The CMB has no action at this time until the CM team returns with a more detailed estimate, Contractor's cost proposal, of the bulleted items as listed on the PCC and backup documentation as evidence of work completed by the Contractor. This item will be brought back to the CMB at a later date.	
7-	The Program Trend/Change Control Log dated 03/13/13 was viewed. Discussion took place regarding the new COR's added to the log that are currently being trended in the 1252. The log is attached for distribution with these meeting minutes.	

ACTION ITEMS

ITEM #	MTG DATE	MTG ACTION DATE	DESCRIPTION	BIC	DUE DATE	STATUS
1	11/07/12	11/07/12	1300 – WP 1254 – SF Planning Request	RE	03/20/13	Open
3	11/14/12	11/14/12	1252 – COR 033 – Retrieval Shaft – 20" Water Line	SW	03/20/13	Open
2	12/12/12	12/12/12	1252 – Validation 1300 docs include as built information regarding Asbestos Pipes	RE	03/20/13	Open
4	01/30/13	02/20/13	1252 – COR 008 - Final unit cost for indirects	RR	03/20/13	Open
4	01/30/13	02/27/13	1252 – Merit response letter for COR 008	MB/SW	03/20/13	Open
1	02/20/13	02/27/13	1252 – Update on Micro Pile	ML/RE	04/03/13	Open

Meeting adjourned at 6:30pm

These meeting minutes have been prepared by B. Ward and reviewed by, E. Stassevitch and are the preparer's interpretation of discussions that took place. If the reader's interpretation differs, please contact the author in writing within four (4) days of receipt of these minutes.

Signed   [initials of preparer & reviewer] Date: 27 MAR 13 [Date review completed]

Meeting Agenda

Project No. M544.1, Contract No. CS-149
Program/Construction Management
Configuration Management Board (CMB) Meeting No. 117
March 13, 2013
3:00pm – 5:00pm
 Central Subway Project Office
 821 Howard St. 2nd Floor
 Main Conference Room

Attendees:

Mark Benson	Albert Hoe	Roger Nguyen	Sarah Wilson
Ross Edwards	Jim Kelly	Joon Park	Arthur Wong
Shahnam Farhangi	David Kuehn	Richard Redmond	Luis Zurinaga
John Funghi	Mark Latch	Eric Stassevitch	
John Haley	Brad Lebovitz	Beverly Ward	

1. **1252** – COR 048 – UMS – 3' x 5' Brick Sewer at South Headwall - *Not to Exceed Amount*
 - COR 051 – Retrieval Shaft – Elevation Design Conflict - *Merit*
 - COR 073 – MOS Unknown 16' Pipe Removal @ Northeast Headwall - *Merit*
 - PCC 10 -- Initiate Design Services for Relocation of Retrieval Shaft - *Not to Exceed Amount*

2. **Trend/Change Log** – 03/13/13

3. **Other Business** – Action Items - updates

Meeting Attendance Sheet

Project No. M544.1, Contract No. 149
Program/Construction Management
Configuration Management Board Meeting No. 117
March 13, 2013
3:00 p.m. – 5:00 p.m.
 Central Subway Project Office
 821 Howard, 2nd Floor
 Main Conference Room

Deliver Meeting Attendance Sheet with original signatures/initials to Document Control.

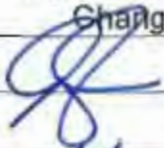




NAME	AFFILIATION	PHONE	E-MAIL (for minutes)	INITIALS
Please enter initials if your name is listed below. Please enter name, affiliation, phone number and email address if your name is not listed below.				
Benson, Mark	CSP	(415) 701-4295	Mark.Benson@sfmta.com	MCB
Edwards, Ross	CSP	(415) 701-5296	Ross.Edwards@sfmta.com	
Farhangi, Shahn timer	SFMTA	(415) 554-0721	Shahn timer.Farhangi@sfmta.com	
Funghi, John	SFMTA	(415) 701-4299	John.Funghi@sfmta.com	
Haley, John	SFMTA		John.Haley@sfmta.com	
Hoe, Albert	SFMTA	(415) 701-4289	Albert.Hoe@sfmta.com	
Kelly, Jim	SFMTA		Jim.Kelly@sfmta.com	
Kuehn, David	STV/PMOC	(510) 464-8053	David.kuehn@stvinc.com	
Latch, Mark	CSP	(415) 701-5294	Mark.Latch@sfmta.com	MDL
Lebovitz, Brad	STV/PMOC	(510) 464-8052	Bradley.lebovitz@stvinc.com	
Nguyen, Roger	SFMTA	(415) 701-4312	Roger.Nguyen@sfmta.com	RN
Park, Joon	SFMTA	(415) 701-4742	Joon.Park@sfmta.com	

NAME	AFFILIATION	PHONE	E-MAIL (for minutes)	INITIALS
Redmond, Richard	CSP	(415) 701-4288	Richard.Redmond@sfmta.com	RR
Stassevitch, Eric	CSP	(415) 701-4426	Eric.Stassevitch@sfmta.com	ES
Ward, Beverly	CSP	(415) 701-5291	Beverly.Ward@sfmta.com	BW
Wilson, Sarah	CSP	(415) 243-0950	Sarah.Wilson@sfmta.com	SHW
Wong, Arthur	SFMTA	(415) 701-4305	Arthur.Wong@sfmta.com	
Zurinaga, Luis	SFCTA	(415) 716-6956	Luis.zurinaga@sfcta.org	LZ
ELISA NG	SFMTA	(415) 701-4560	ELISA-NG@SFMTA.COM	EN
<p>Ross EDWARDS and Albert Hae were in attendance part-time, but did not sign-in.</p>				
				EQ

GENERAL	
Proposed Change Sponsor: <u>S. Wilson</u>	Received by CMB: <u>03/13/2013</u> <small>(Date)</small>
Affected Disciplines: <u>Excavation and Ground Support</u>	
Impacts of Change: <u>Removal of 3' x 5' brick sewer at UMS South Headwall</u>	
Change Order Request (COR 048) Amount Not To Exceed \$12,474.65	

Contract(s) Directly Affected by this Proposed Change:

1250	1251	1252	1253	1254	1255	1256
1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input checked="" type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>	6 <input type="checkbox"/>	7 <input type="checkbox"/>
<small>(CP01)</small>	<small>(CP02)</small>	<small>(CP03)</small>	<small>(CP04)</small>	<small>(CP05)</small>	<small>(CP06)</small>	<small>(CP07)</small>

CONFIGURATION MANAGEMENT BOARD APPROVALS			
	Signatures		Date
	Agree with the Change	Disagree with the Change	
Senior Program Manager:			<u>3-13-13</u>
Deputy Program Manager:			
PM Project Services:			<u>13 MAR 13</u>
PM Project Development/Delivery:			
SFMTA O & M Manager:			
SFMTA Safety and Security			
SFCTA PMO			<u>13 March 13</u>

Comments

*Comparison sheet to be updated with comments
Supporting negotiator position prior to negotiations
to justify cost analysis and tie to record of
negotiations*

COR 048										
No.	Activity Name	Days (C)	Days (EE)	Contractor (C)	Engineer's Estimate (EE)	Delta (EE-C)	Comparison*	Negotiation Position*		
Labor	1						<p>Applies to all activities: The labor rates were adjusted to align with the SFMTA built up labor rates (based on prevailing wage) in lieu of an approved labor submittal.</p>			
		Remove 3x5 Sewer @ UMS S Headwall	3	3	\$ 5,722.79	\$ 4,298.67				\$ (1,424.12)
	2									
	Credit - Not Remove 12" Sewer	-1	-1	\$ (2,162.96)	\$ (1,432.89)	\$ 730.07				
3	NET	2	2	\$ 3,559.83	\$ 2,865.78	\$ (694.05)				
Equipment	1						<p>Applies to all activities: The contractor's proposal includes a backhoe and a breaker on standby during the performance of this work. These were not included in the EE as it was a lump sum estimate. The EE uses a Komatsu 228 excavator as that is what is shown to be present in the job site picture attached to the engineer's estimate. The contractor's proposal used a Hitachi 200.</p>			
		Remove 3x5 Sewer @ UMS S Headwall	3	3	\$ 6,680.84	\$ 4,819.08				\$ (1,861.76)
	2									
	Credit - Not Remove 12" Sewer	-1	-1	\$ (2,073.84)	\$ (1,606.36)	\$ 467.48				
3	NET	2	2	\$ 4,607.00	\$ 3,212.72	\$ (1,394.28)				
							The unit pricing used in the EE is \$/TN compared to the contractors pricing of \$/Load. The EE pricing is more accurate for this scope of work. The contractor's estimated dump fees are higher than necessary. Plywood was not included in the EE as steel plates were included for use as shoring as this contractor has been known to do.	Either shoring plywood or steel plates should be included, not both. This was an open pit excavation therefore no steel plates were used for decking.		
	Material			\$ 1,803.98	\$ 987.20	\$ (816.78)				
	Markup LM&E - 15%			\$ 1,495.62	\$ 1,059.86	\$ (435.77)				
	2nd Tier Subs			\$ 2,280.00	\$ -	\$ (2,280.00)	The contractor uses a 2nd tier subcontractor for hauling. The EE uses an on/off haul driver and a dump truck for half of each day to provide hauling services. The contractors proposal includes an active dump truck in addition to subcontracted hauling services.			
	Markup - 5%			\$ 114.00	\$ -	\$ (114.00)				
	Sub. Bond/Insurance 2.14%			\$ 296.61	\$ 173.89	\$ (122.73)				
	Prime Markup - 5%			\$ 707.85	\$ 414.97	\$ (292.88)				
	Prime Bond/Insurance 1.68%			\$ 249.73	\$ 146.40	\$ (103.33)				
	Total			\$ 15,114.62	\$ 8,860.81	\$ (6,253.81)				
RE Recommended NTE Amount:					\$ 12,474.65	8860.81 (EE) + 2610.63 (2nd Tier Trucking) + 435.18 (Half of Labor Delta) + 221.62 (Shoring Plywood) + 346.41 (Backhoe/Breaker Standby)				

*The amounts shown in the "Comparison" and "Negotiation Position" columns are fully marked up for easy addition or subtraction from the bottom line

Estimate Summary

General Scope: The work captured in this lump sum estimate occurred 09/26/12 - 09/28/12. Synergy Project Management performed the demolition of a 3x5 Brick Sewer. This sewer was discovered in the footprint of the UMS South Headwall. A credit is also established in this estimate as a 12" sewer line shown on the contract document to be demolished and disposed of was not discovered.

Detailed Scope:

1. Remove 3x5 Sewer @ UMS S Headwall
2. Credit - Not Remove 12" Sewer

	Labor	Equipment	Material	Mark Ups	Total
Cost Summary:	\$ 2,865.78	\$ 3,212.72	\$ 987.20	\$ 1,795.12	\$ 8,860.82

List of attached documents:

- Detailed Estimate
- Materials List
- Photographs

Estimate Prepared:
 3/5/2013

No.	Activity	Hourly rates:								Labor totals									Equipment Totals	
		Days	Laborer (G3)	Operating Engineer (OE) (G3)	Driver On/Off Haul	Labor Resource	Labor Resource	Labor Resource	Labor Resource		Work Truck	Dump truck - 3-axle	Komatsu 228	Total per trench shore	Total per Plate (small)	Equipment	Equipment	Equipment		Equipment
			\$ 49.59	\$ 66.81	\$ 26.25	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00		\$ 33.12	\$ 66.43	\$ 90.20	\$ 0.48	\$ 4.61	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	
1	Remove 3x5 Sewer @ UMS S Headwall	3	2	1	0.5					\$ 4,298.67	2	0.5	1	4	2					\$ 4,819.08
2	Credit - Not Remove 12" Sewer	-1	2	1	0.5					\$ (1,432.89)	2	0.5	1	4	2					\$ (1,606.36)
3		0								\$ -										\$ -
4	Total									\$ 2,865.78										\$ 3,212.72

Labor	\$	2,865.78
Material	\$	987.20
Equipment	\$	3,212.72
2nd Tier Sub	\$	-
Markup on 2nd Tier Sub - 5%	\$	-
1st Tier Sub OH&P - 15%	\$	1,059.86
1st Tier Sub Bond/Insurance - 2.14%	\$	\$173.89
Prime - Markup - 5%	\$	414.97
Prime - Bond/Insurance - 1.68%	\$	\$146.40
Total Amount	\$	8,860.82

Assumptions:

Labor Burdens: FICA SS 6.2% - FICA Medicare 1.45% - FUTA .12% - SUTA 1.2% - SF Pay 1.5% - WC 4.03%

Shift Duration: 8hrs

Estimated By:  Kenneth Barnhart
 3/5/2013

Checked By:  Charles Dombrowski
 3/5/2013

Material	Qty.	Unit	Unit Price	Extension
Dump Fees - 100 pcf (4 cf/lf of sewer)	8	TN	\$ 80.00	\$ 640.00
Sand Backfill - 160 pcf (13 cf/lf of sewer)	40	TN	\$ 8.00	\$ 320.00
				\$ -
				\$ -
Sales Tax 8.5% (not applied to dump fees)				\$ 27.20
Shipping 2% (doesn't apply, truck is included)				
Total				\$ 987.20

2nd Tier Sub Quote

\$ -



09/28/2012
Completed demoing the 3 x 5 sewer at
the South UMS Headwall



09/27/2012

Rebar cage for SWP #N1



09/27/2012

Demorig 3 x 5 sewer on the South
Headwall at UMS, Was marked as 12' on
UO 304

SFMTA Contract No. 1252

Contractor:

Barnard Impregilo Healy JV (BIH)

EVALUATION OF MERIT

COR 048

Recommendation: Accept justification of Merit for COR 048 - removal of a 3' x 5' brick sewer at the UMS South headwall. Credit for work not performed to be included.

Facts: On September 25th 2012, the Contractor discovered a brick sewer within the utility demolition limits at the UMS South headwall. The sewer encountered was different than the 12" pipe which was shown in the contract drawings. Removal and disposal of the sewer commenced on September 26th and was completed by September 28th. Removal of the sewer was necessary for headwall construction. A time extension has not been requested for this work.

Rationale for COR: The Contractor contends that the brick sewer constitutes a differing site condition, as it was not shown on the drawings at the time of bid.

Justification: RE has evaluated the conditions outlined in Article 3.04 and found that: conditions differ materially and conditions have caused the scope of work to increase.

RE notes that the Differing Site Condition does not include:


1. All that is indicated in or may reasonably interpreted from the Contract Documents or Reference Documents;
2. All that could be seen on Site by diligent observation;
3. Conditions that are materially similar or characteristically the same as those indicated or described in the Contract Documents or Reference Documents.
4. Conditions where the location of a building component is in the proximity where indicated in or reasonably interpreted from the Contract Documents or Reference Documents.

Change Type – (2) Unforeseen Condition

By:


Sarah Wilson
Resident Engineer

12/6/12
Date


Configuration Management Board
Approval

12-6-12
Date

SFMTA Contract No. 1252

Contractor:

Barnard Impreglio Healy JV (BIH)

EVALUATION OF MERIT

COR 051

Recommendation: Accept justification of Merit for COR 051, Retrieval Shaft – Elevation Design Conflict (30" low psi water/sewer). There is no time extension requested or recommended for this work.

Facts: The existing (E) 3'x5' sewer and the (E) 30" low psi water line are shown on contract drawing UT-701 rev.1 to share the same invert elevation. The actual invert elevation for each utility was field verified and the 30" low psi water line was found to be approximately 2' deeper than the invert elevation shown on the contract drawing. See attached drawing CS 1252 -15 which shows the actual invert elevations encountered. If reconstructed at this elevation the proposed water line, as shown on contract drawing WD-701 rev.0, would be in conflict with the proposed 36" sewer being constructed as shown on contract drawing SW-3 rev.1. As a result of this conflict the Contractor's crews lowered the MH 81+67 invert elevation by approximately 2 feet. The lower MH invert location will result in additional resources and excavation required to install the proposed sewer main from MH 81+39 to MH 81+67.

The (E) MRY duct bank was found in the field to be approximately 8' to the north of the location shown on contract drawing UT-701 rev.1. See attached drawing CS 1252 -16. The MRY duct bank ran directly through the proposed 36" sewer alignment from MH 81+39 to MH 81+67 and directly through the proposed MH 81+67 and MH 81+39 foundation locations. As a result of this conflict the Contractor's crews hand excavated around the MRY concrete duct bank and shifted the MH 81+67 to the south by approximately 2'.

MH 81+39 has not been constructed yet, but will have to be shifted to the north by approximately 2' as shown on drawing CS 1252 - 016. It is estimated that there will be no additional cost for the shifting on MH 81+39 because Synergy is aware of the actual MRY duct bank location.

The actual invert elevation of MH 80+41 was found to have a 1' higher invert elevation than shown on contract drawing SW-3.1 rev.0. The higher invert location will result in less resources and excavation required to install the proposed sewer main from MH 80+41 to MH 80+70.

Justification: Pursuant to contract specification GP-26 Section 3.04 A-2 there was a "Subsurface or latent physical condition at the site differing materially from those indicated by information about the site made available to bidders prior to the deadline for submitting bids."

Contract drawing UT-701 rev.1 depicted the concrete MUNI duct bank to be located 8' away from the actual location found in the field. The field location resulted in the Contractor having to shift (2) MH locations; one was excavated when the differing site

SFMTA Contract No. 1252

Contractor:

Barnard Impregilo Healy JV (BIH)

condition was encountered. SFTMA inspectors have verified that additional labor and equipment resources were required to facilitate hand excavation and the relocation of MH 81+67.


Furthermore, Contract drawings UT-701 rev.1 showed the (e) sewer and (e) 30" low psi water at the same elevation. It was not possible to reconstruct the water line at the same elevation as the proposed sewer. SFTMA inspectors have verified that additional excavation, shoring and materials were required to facilitate lowering and moving the proposed MH to the new MH 81+67 locations. The lower MH invert location will result in additional resources and excavation required to install the proposed sewer main from MH 81+39 to MH 81+67.

Change Type: (2) Unforeseen Condition

By:

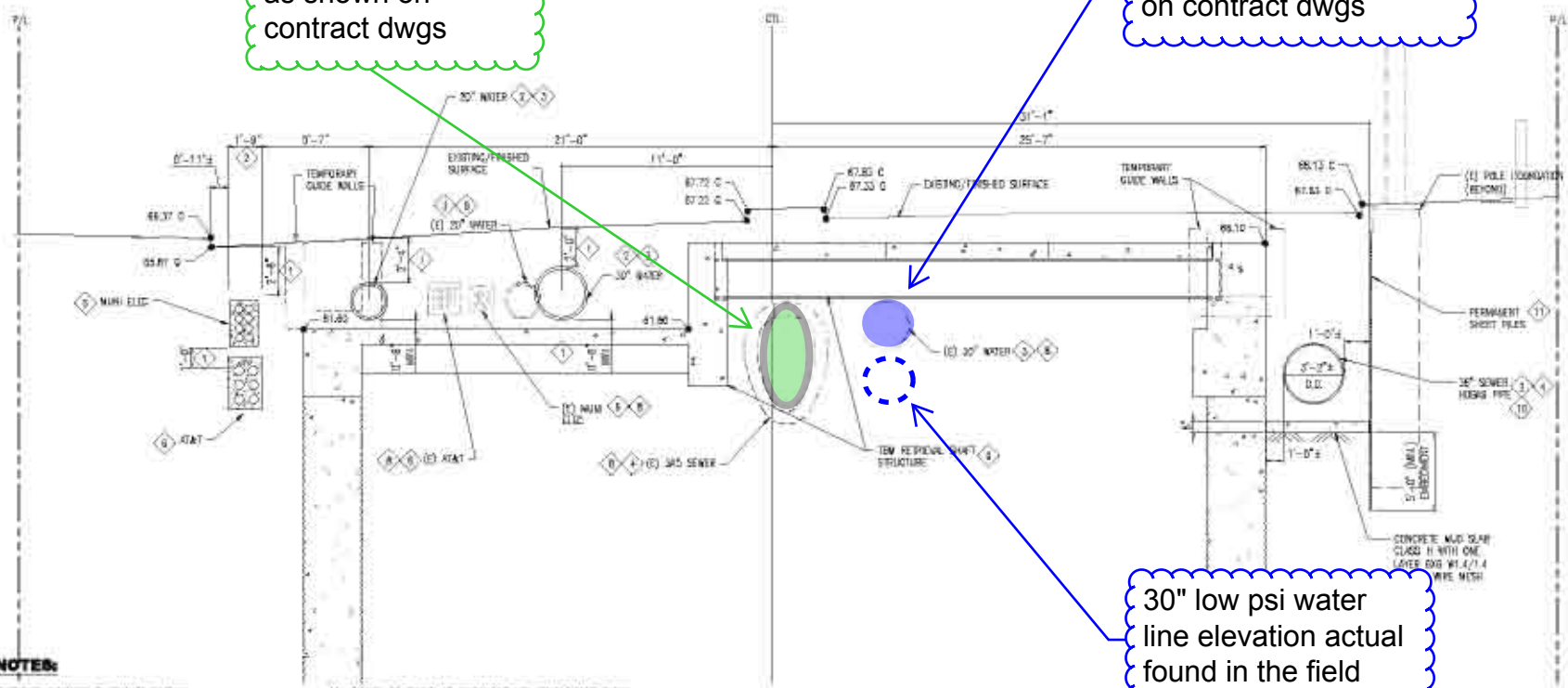

Sarah Wilson
Resident Engineer

3/13/13
Date


Configuration Management Board
Approval

3-13-13
Date

\\p06r00033-mch-arjgoe.org\m0441\med\dwgn\Drawing-02\12-dwg\utility\CrossSection\Sheet Files\p06r00033-mch-arjgoe.dwg (Printed Thu Aug 26, 2010 11:48 am) (UT-721-JMG)



(e) Sewer Elevation as shown on contract dwgs

(e) 30" low psi water line elevation as shown on contract dwgs

30" low psi water line elevation actual found in the field

- NOTES:**
1. DIMENSION INDICATED IS MINIMUM ALLOWED.
 2. DIMENSION APPROXIMATE, SUBJECT TO CONTRACTOR'S LAYOUT. SUBMIT FOR APPROVAL PRIOR TO INSTALLATION.
 3. WATER PIPE - SEE WD DRAWINGS.
 4. SEWER PIPE - SEE SW DRAWINGS.
 5. GAS PIPE - SEE GA DRAWINGS.
 6. CONDUIT BANK - SEE IT DRAWINGS.
 7. SEE REFERENCE DRAWING FOR LOCATION OF DESIGN LINE.
 8. SEE DETAIL SECTION (J,C) DRAWINGS.
 9. SEE STRUCTURAL (ST) DRAWINGS.
 10. COORDINATE CONSTRUCTION OF 36" SANDY RITE CONSTRUCTION SCHEDULING OF TEM RETRIEVAL STRUCTURE, INSTALL AND BACKFILL ACCORDING TO SFPW STANDARDS.

11. INSTALL TO REMAIN AS PERMANENT USE INTERLOCKING SHEET PILING SECTION 550.02 (HEIGHT = 32 LB/FT/FT, SECTION MODULUS = 2.4 INCH INCH/FT) ASTM A328 OR APPROVED EQUIVALENT.
12. TEMPORARY BRACING AND WINDERS FOR SHEET PILING TO BE DESIGNED BY CONTRACTOR. MAXIMUM SPACING BETWEEN BRACING LEVELS SHALL NOT EXCEED 8'-0".

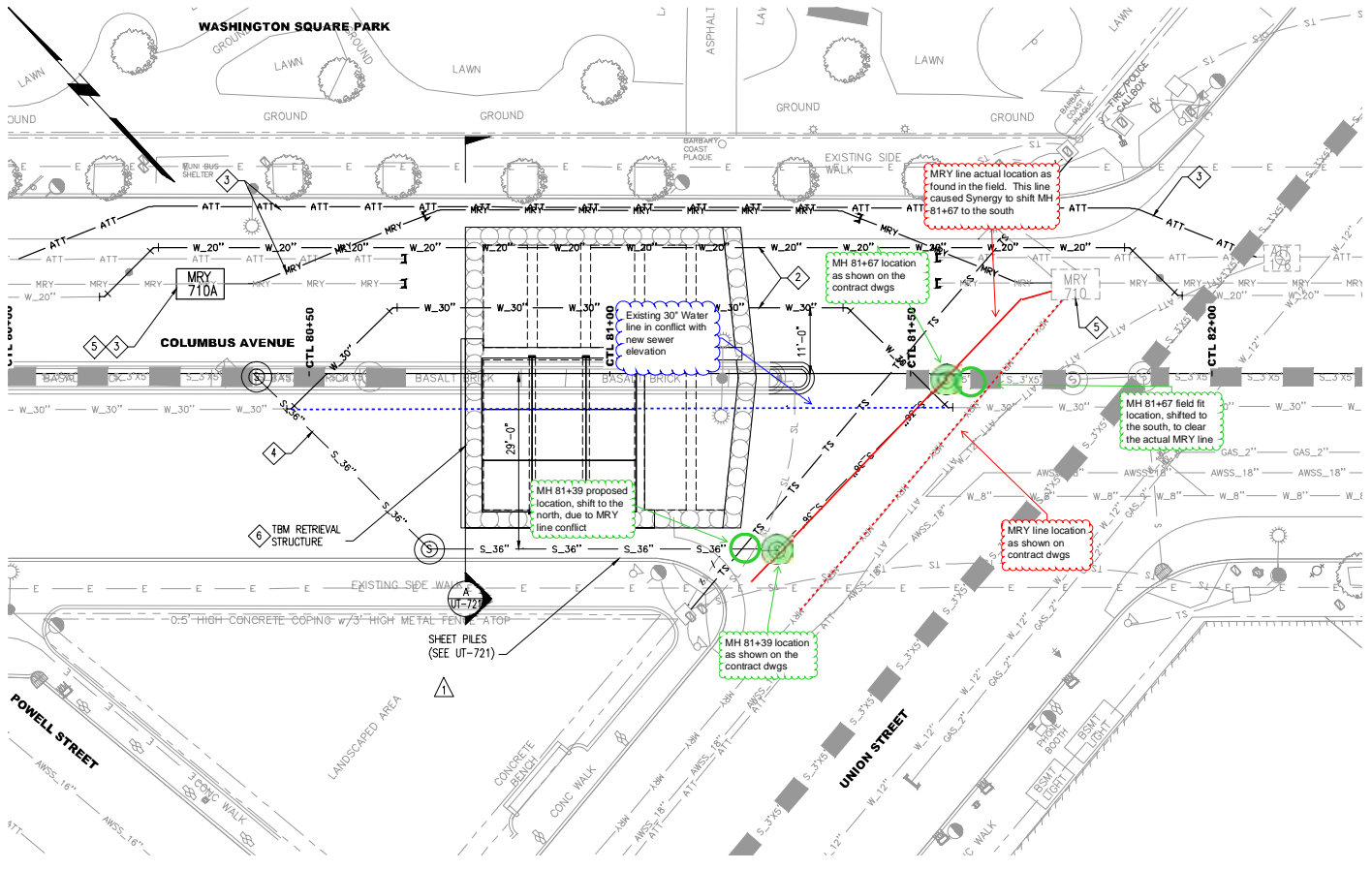
**SECTION @ CTL 80+78
LOOKING SOUTH**

**DRAWING No. CS 1252 - 015
COR 051**

SCALE = 1"=3'
CONFORMED

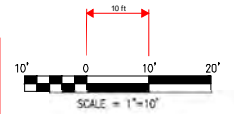
TELAMON ENGINEERING CONSULTANTS INC.			REV. D SEALED BY M. CHAN	CITY AND COUNTY OF SAN FRANCISCO MUNICIPAL TRANSPORTATION AGENCY	APPROVED: (Signature) (Title)	THIRD STREET LIGHT RAIL PROGRAM PHASE 2 - CENTRAL SUBWAY TUNNELS UTILITY COMPOSITE TEM RETRIEVAL SHAFT CROSS SECTION AT CTL 80+78	SHEET NO: 1252 DRAWING NO: CL-18002 PROJECT NO: UT-721 SHEET NO.: 1
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MAINTAINING THIS RECORD CONTAINS CONFIDENTIAL INFORMATION THAT IS CONTROLLED UNDER ADMINISTRATIVE PLAN NO. 138, AND PART OF IT IS BEING RELEASED TO PERSONS WITHOUT A NEED TO KNOW, AS DEFINED IN OUR PUBLIC HEALTH ACT, EXCEPT WITH THE WRITTEN PERMISSION OF THE AGENCIES FOR USE BY THE TRANSPORTATION SECURITY ADMINISTRATION ON THE BEHALF OF TRANSPORTATION SECURITY ADMINISTRATION. ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED EXCEPT WHERE SHOWN OTHERWISE.



- NOTES:**
1. SEE AWSS (AW) DRAWINGS FOR DESIGN.
 2. SEE WATER DISTRIBUTION (WD) DRAWINGS FOR DESIGN.
 3. SEE JOINT TRENCH (JT) DRAWINGS FOR DESIGN.
 4. SEE SEWER (SW) DRAWINGS FOR DESIGN.
 5. MRY MANHOLE.
 6. SEE STRUCTURE (ST) DRAWINGS.

**DRAWING No. CS 1252 - 016
COR 051**



CONFORMED

DESIGNED	M. GEORGE	DATE	05/04/2011
DRAWN	F. BAKANI	ISSUED FOR ADDENDUM 5	07/21/2011
CHECKED	P. WILSON	ISSUED FOR BID	
REVIEWED	M. CHAN		
RECOMMENDED	M. FOWLER		
APPROVED	R. EDWARDS		
DATE	JUN 21, 2011		

PB TELAMON
TELAMON ENGINEERING CONSULTANTS INC.

FOR ORIGINAL SIGNATURES, SEE CL-18001, REV. 0.

REV. 0 SEALED BY M. CHAN



CITY AND COUNTY OF SAN FRANCISCO
MUNICIPAL TRANSPORTATION AGENCY

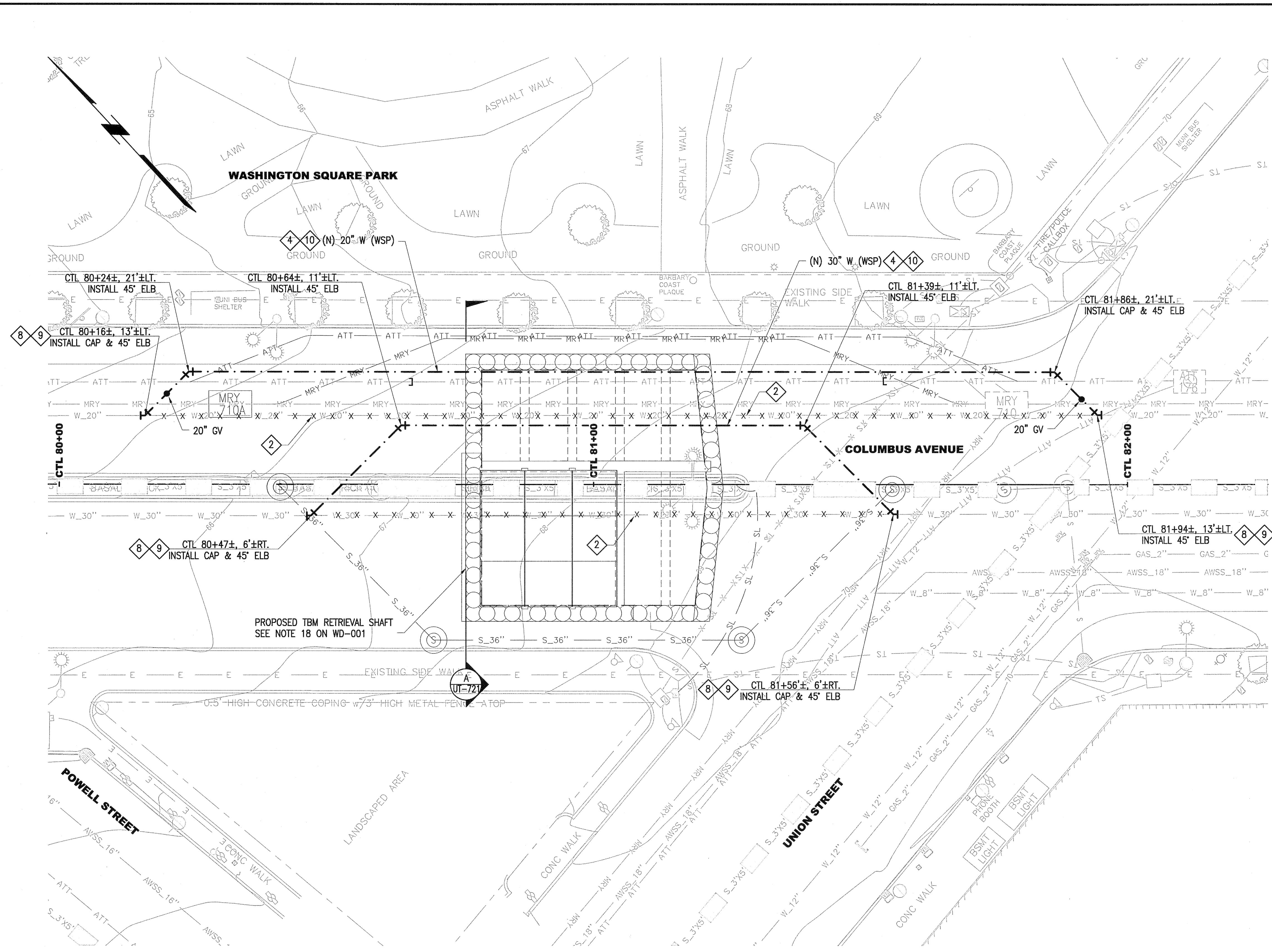
APPROVED
CARTER R. ROHAN
EXECUTIVE DIRECTOR/CEO

THIRD STREET LIGHT RAIL PROGRAM
PHASE 2 - CENTRAL SUBWAY TUNNELS

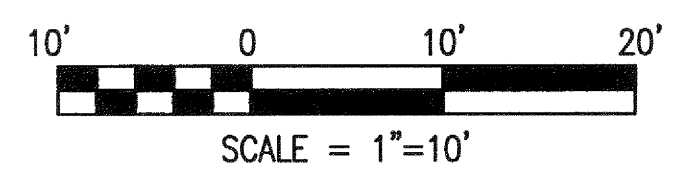
UTILITY COMPOSITE
TBM RETRIEVAL SHAFT
CTL 80+00 TO 82+25

PROJECT NO.	1252
DRAWING NO.	CL-18001
DRAWING NO.	UT-701
SHEET NO.	1

S:\6nas003\m544.1\FinalDesign\Drawing-821\2-Civil\Water Distribution\Sheet Files CP03\M54423WD701.dwg fbyani Thu Jan 27, 2011 9:34 am WD-701

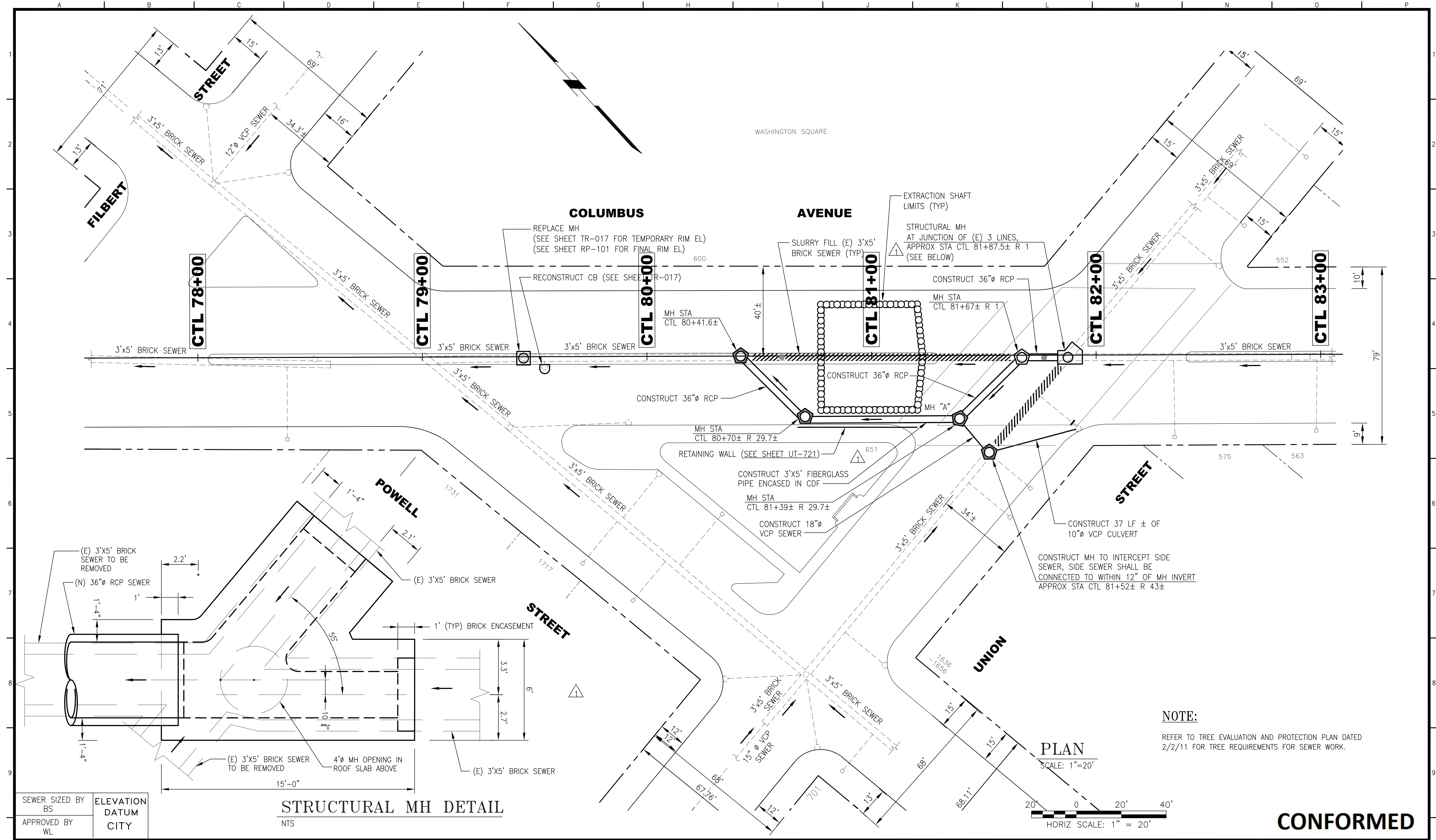


- NOTES:**
- R/S (E) LPFH. CONTRACTOR SHALL COORDINATE AND EXCAVATE SIDEWALK AT THE HYDRANT TO THE EXTENT NECESSARY FOR SFFD TO REMOVE THE FIRE HYDRANT AND BREAKAWAY RISER, SEE WD-001 GENERAL NOTE 16.
 - R/C (E) WATER PIPE, SEE DRAWING NO. WD-001 GENERAL NOTE 22.
 - ABANDON (E) WATER PIPE, SEE DRAWING NO. WD-001 GENERAL NOTE 15.
 - (N) WATER MAIN, SEE DRAWING NO. WD-001 GENERAL NOTE 22.
 - (N) BUILDING SERVICE, SEE DRAWING NO. WD-001 GENERAL NOTE 8A.
 - (N) 6" LPFH ASSEMBLY, SEE DRAWING NO. WD-001 GENERAL NOTE 8B.
 - RECONNECT TO (E) WATER LATERAL BY SFWD.
 - CONNECT TO (E) WATER MAIN BY SFWD.
 - DISCONNECT AND TERMINATION OF (E) WATER LINE BY SFWD.
 - SEE NOTE 19 ON WD-001.

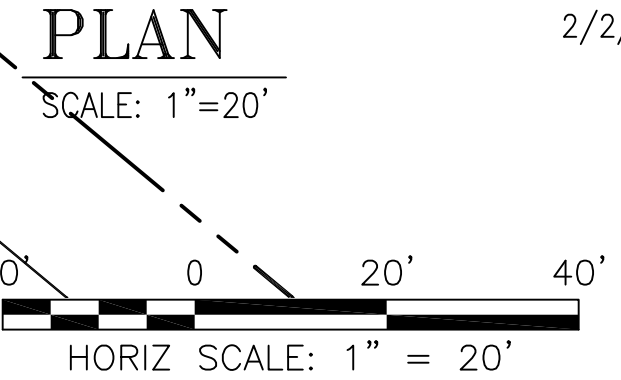


CONFORMED

						CITY AND COUNTY OF SAN FRANCISCO MUNICIPAL TRANSPORTATION AGENCY		THIRD STREET LIGHT RAIL PROGRAM PHASE 2 - CENTRAL SUBWAY TUNNELS		CONTRACT NO. 1252	
DESIGNED: D. ZUURING DRAWN: E. MATIAS CHECKED: M. DEFORGE REVIEWED: M. CHAN RECOMMENDED: M. FOWLER APPROVED: R. EDWARDS DATE: JAN 21 2011						APPROVED: EXECUTIVE DIRECTOR/CEO		WATER DISTRIBUTION TBM RETRIEVAL SHAFT CTL 80+00 TO 82+25		SFMTA CONTROL NO. CL-18065	
DATE: 01/21/2011 ISSUED FOR BID		REV. NO. 0		BY:		CHECKED:		APPROVED:		DRAWING NO. WD-701	
DATE: 05/18/2009		DESCRIPTION:		DATE:		SHEET NO. 146		REVISION:		0	



NOTE:
REFER TO TREE EVALUATION AND PROTECTION PLAN DATED 2/2/11 FOR TREE REQUIREMENTS FOR SEWER WORK.



SEWER SIZED BY BS	ELEVATION DATUM CITY
APPROVED BY WL	CITY

STRUCTURAL MH DETAIL
NTS

NO.	DATE	DESCRIPTION	BY	APP.
1	05/05/11	ADDENDUM #5 RETAINING WALL & MH STRUCTURE	KD	LW
0	01/21/11	ISSUED FOR BIDS	KD	LW

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

REFERENCE INFORMATION
& FILE NO. OF SURVEYS
BK-005b_PG-033
BK-005b_PG-040
BK-010B_PG-012
BK-010B_PG-019



BUREAU OF ENGINEERING
DEPARTMENT OF PUBLIC WORKS
CITY AND COUNTY OF SAN FRANCISCO



DESIGNED: DATE: K.DAY 02/2011
DRAWN: DATE: V.CHEUNG 02/2011
CHECKED: DATE: L.WONG 02/2011

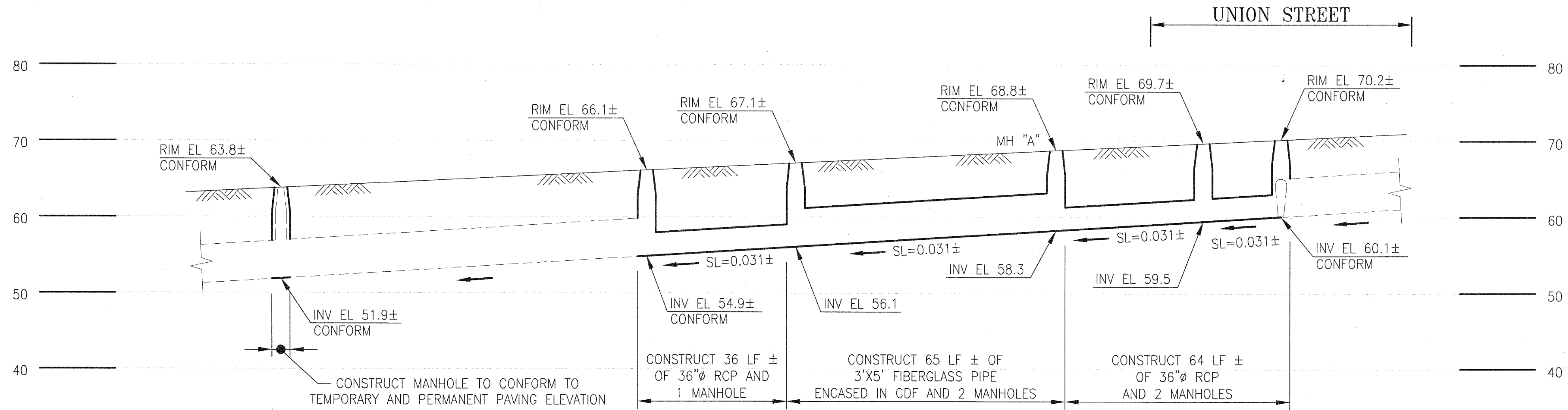
APPROVED: DATE: I.Dhapa 2/14/11
SECTION MANAGER DATE: N.Chan 2/15/11
DEPUTY MANAGER DATE: N.Chan for 2/15/11
BUREAU MANAGER DATE:

SCALE:
AS NOTED
SHEET OF SHEETS

THIRD STREET LIGHT RAIL PROGRAM
PHASE 2 - CENTRAL SUBWAY
TUNNELS
SEWER WORK - COLUMBUS AVENUE
FILBERT STREET TO UNION STREET
PLAN

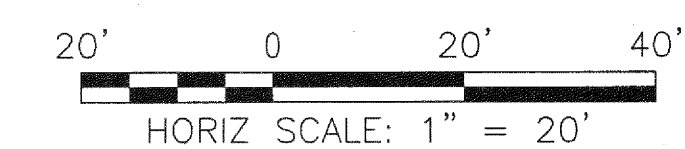
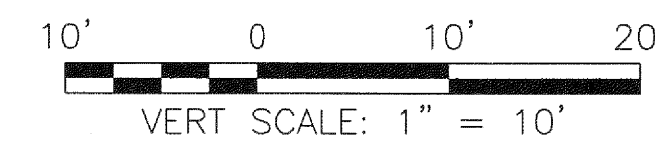
CONTRACT NO. 1252
DRAWING NO. SW-3
FILE NO. 91,617
REV. NO. 1

CONFORMED



PROFILE "A" (SEE SW-3 FOR PLAN VIEW)
 SCALE: HORIZ 1"=20'
 VERT 1"=10'

SEWER SIZED BY BS BS
 APPROVED BY WL WL
 ELEVATION DATUM CITY

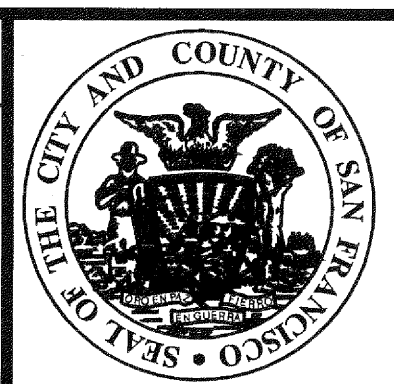


CONFORMED

NO.	DATE	DESCRIPTION	BY	APP.
0	01/21/11	ISSUED FOR BIDS	KD	LW

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

REFERENCE INFORMATION & FILE NO. OF SURVEYS



BUREAU OF ENGINEERING
 DEPARTMENT OF PUBLIC WORKS
 CITY AND COUNTY OF SAN FRANCISCO



DESIGNED: DATE: K.DAY 02/2011
 DRAWN: DATE: V.CHEUNG 02/2011
 CHECKED: DATE: L.WONG 02/2011

APPROVED
 SECTION MANAGER DATE: 2/14/11
 DEPUTY MANAGER DATE: 2/15/11
 BUREAU MANAGER DATE: 2/16/11

SCALE: AS NOTED
 SHEET OF SHEETS: 101

THIRD STREET LIGHT RAIL PROGRAM
 PHASE 2 - CENTRAL SUBWAY
TUNNELS
 SEWER WORK - COLUMBUS AVENUE
 FILBERT STREET TO UNION STREET
 PROFILE

CONTRACT NO. 1252
 DRAWING NO. SW-3.1
 FILE NO. 91,618
 REV. NO. 0







SFMTA Contract No. 1252

Contractor: Barnard Impregilo Healy JV (BIH)

EVALUATION OF MERIT


COR 073


Recommendation: Accept justification of Merit for COR 073 – Moscone Unknown 16" Pipe Removal @ North Headwall. There is no time extension requested or recommended for this work.

Facts: On February 14th, 2013 the Contractor encountered an abandoned 16" pipe located in the trench of the proposed 12" low pressure waterline. The 12" waterline could not be installed until the abandoned 16" pipe was removed. The 16" steel pipe was removed at the 12" water tie-in locations at the north and south side of the Moscone northeast headwall. See attached Drawing CS 1252 - 21.

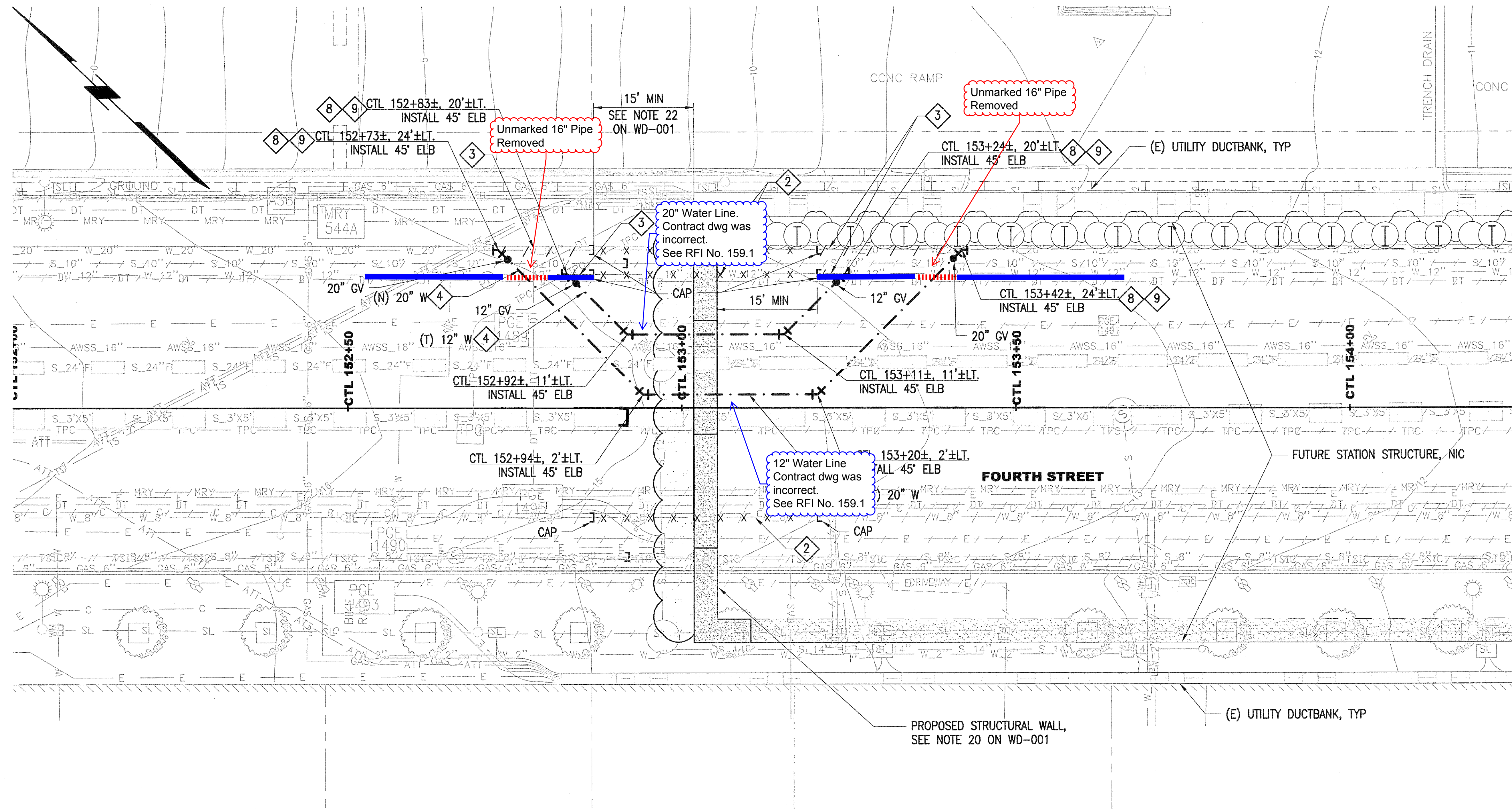
Justification: The contract drawings, specifically WD-402 rev.0 and UD-402 rev.0, did not show the abandoned 16" pipe which constitutes a differing and unforeseen site condition. The 16" pipe was at the same elevation as the proposed 12" waterline and therefore needed to be removed. SFTMA inspectors have verified that additional labor and equipment resources were required to facilitate removal of the 16" abandoned pipe.

Change Type – (2) Unforeseen Condition

By:  _____ 3/13/13
Sarah Wilson Date
Resident Engineer

 _____ 3-13-13
Configuration Management Board Date
Approval

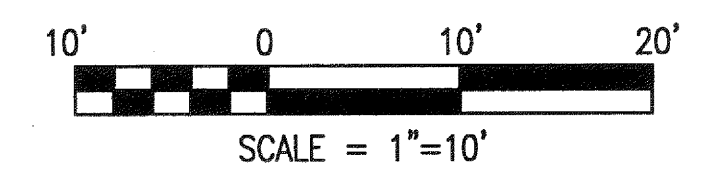
S:\6nas003\m544.1\FinalDesign\Drawing-821\2-Civil\Water Distribution\Sheet Files CP03\M54423WD402.dwg FBayani Wed Jan 26,2011 - 4:22 pm WD-402



- NOTES:**
- R/S (E) LPFH. CONTRACTOR SHALL COORDINATE AND EXCAVATE SIDEWALK AT THE HYDRANT TO THE EXTENT NECESSARY FOR SFFD TO REMOVE THE FIRE HYDRANT AND BREAKAWAY RISER, SEE WD-001 GENERAL NOTE 16.
 - R/C (E) WATER PIPE, SEE DRAWING NO. WD-001 GENERAL NOTE 22.
 - ABANDON (E) WATER PIPE, SEE DRAWING NO. WD-001 GENERAL NOTE 15.
 - (N) OR (T) WATER MAIN, SEE DRAWING NO. WD-001 GENERAL NOTE 22.
 - (N) BUILDING SERVICE, SEE DRAWING NO. WD-001 GENERAL NOTE 8A.
 - (N) 6" LPFH ASSEMBLY, SEE DRAWING NO. WD-001 GENERAL NOTE 8B.
 - RECONNECT TO (E) WATER LATERAL BY SFWD.
 - CONNECT TO (E) WATER MAIN BY SFWD.
 - DISCONNECT AND TERMINATION OF (E) WATER LINE BY SFWD.

MATCH LINE
SEE WD-403

**DRAWING NO. CS 1252 - 021
COR 073**



CONFORMED

<p>DESIGNED: D. ZUURING DRAWN: E. MATIAS CHECKED: M. DEFORGE REVIEWED: M. CHAN RECOMMENDED: M. FOWLER APPROVED: R. EDWARDS DATE: JAN 21 2011</p>	<p>TELAMON ENGINEERING CONSULTANTS INC.</p>		<p>CITY AND COUNTY OF SAN FRANCISCO MUNICIPAL TRANSPORTATION AGENCY</p> <p>APPROVED: <i>[Signature]</i> EXECUTIVE DIRECTOR/CEO</p>	<p>THIRD STREET LIGHT RAIL PROGRAM PHASE 2 - CENTRAL SUBWAY TUNNELS</p> <p>WATER DISTRIBUTION MOSCONE STATION CTL 152+00 TO 154+25</p>	<p>CONTRACT NO. 1252 SPMTA CONTROL NO. CL-18059 DRAWING NO. WD-402 SHEET NO. 140</p>
<p>01/21/2011 ISSUED FOR BID</p>		<p>DATE DESCRIPTION REV. NO. BY CHECKED APPROVED</p>		<p>REVISION 0</p>	



Pipe in conflict/Removed

02/14/2013



02/12/2013



02/11/2013



02/11/2013

CENTRAL SUBWAY MAJOR LINE ITEM BUDGET - ENTIRE PROJECT

No.	Phase	Major Line Item	Adopted Baseline Budget (March 2009)	Forecast Budget (January 2011)	Forecast Budget (June 2011)	Deviation
1	Planning	Planning/Conceptual Engineering	26,764,071	26,764,071	26,764,071	-
2	& Envir	Planning/Conceptual Engineering - Public Agencies	23,522,371	23,522,371	23,522,371	-
3		Environmental Studies (PA&E)	1,972,000	1,972,000	1,972,000	-
		Subtotal Planning/Conceptual Engineering/Environmental	52,258,442	52,258,442	52,258,442	-
4	Design PS&E	Design - Package 1 - Contract	4,983,728	4,983,728	4,983,728	-
5		Design - Package 1 - Public Agencies	1,018,476	1,018,476	1,018,476	-
6		Design - Package 2 - Contract	31,094,690	31,094,690	31,094,690	-
7		Design - Package 2 - Public Agencies	6,323,395	6,323,395	6,323,395	-
8		Design - Package 3 - Contract	12,000,000	15,320,801	15,320,801	(3,320,801)
9		Design - Package 3 - Public Agencies	3,192,185	3,192,185	3,192,185	0
10		Project Control Contract "PCC"	5,000,000	5,000,000	5,000,000	-
11		Public Art - Final Design	-	-	1,976,264	(1,976,264)
		Subtotal Design PS&E	63,612,074	65,953,275	68,909,539	(5,297,065)
12		Program Management - Contract - Design Phase	35,000,000	35,079,723	37,591,889	17,468,111
13		Program Management - Public Agencies - Design	7,734,713	7,734,713	4,365,584	3,369,129
14		Other Direct Cost "ODC"	2,037,889	2,431,050	2,431,050	(393,161)
15		Const. Admin - Legal, Permits & Fee	4,986,050	4,962,773	4,962,773	23,277
16		Insurance - Excess Design Liability	6,000,000	7,019,120	7,019,120	(1,019,120)
		Subtotal Design PM	55,758,652	57,227,380	56,310,417	19,448,235
17	Early	Utilities MOS CP01	11,249,591	9,273,939	9,273,939	1,975,652
18	Construction	Utilities MOS CP01 - Contingency	-	2,051,393	2,051,393	(2,051,393)
19	(LOMP)	Utilities MOS CP01 - Form B	-	(3,798,016)	(3,798,016)	3,798,016
20		Utilities MOS CP01 - Change Mod 1 - 15	-	-	1,731,118	(1,731,118)
21		Utilities CP02	22,220,098	16,812,050	16,812,050	5,398,448
22		Utilities CP02 - Contingency	-	4,608,162	4,208,162	(4,208,162)
23		Utilities CP02 - Form B	-	(5,561,787)	(5,561,787)	5,561,787
24		Tunnel Boring Machine Equipment (TBM)	26,000,000	35,304,581	35,304,581	(9,304,581)
25		Construction TBM Site Work / Launch Box	38,300,000	36,135,025	36,135,025	2,164,975
26		Surface, Trackwork & System - CI Equip	-	-	487,972	(487,972)
		Subtotal Early Construction	57,777,889	94,425,947	96,045,037	1,132,052
27	Early	Program Management - Contract - Adv Const Support	-	-	17,547,834	(17,547,834)
28	Construction	Program Management - Public Agencies - Adv Const Support	-	-	3,369,129	(3,369,129)
29	(LOMP) PM	Design - Package 1 - Construction Support	-	759,697	759,697	(759,697)
30		Design - Package 1 - Public Agencies	-	494,326	494,326	(494,326)
31		Const. Admin - Survey, Testing, Investigation	-	-	3,852,918	(3,852,918)
32		Const. Admin - Public Agencies	-	-	5,871,339	(5,871,339)
33		Insurance - OCF	-	-	4,000,000	(4,000,000)
		Subtotal Early Construction PM	-	1,254,023	25,495,244	(25,495,244)
34	Construction	Design - Package 1 - Construction Support	1,516,272	756,575	756,575	759,697
35		Design - Package 1 - Public Agencies	995,621	492,295	492,295	494,326
36		Design - Package 2 - Construction Support	8,855,266	8,855,266	8,855,266	-
37		Design - Package 2 - Public Agencies	6,043,919	6,043,919	6,043,919	-
38		Design - Package 3 - Construction Support	8,000,000	4,895,593	4,895,593	3,104,407
39		Design - Package 3 - Public Agencies	3,056,363	3,056,363	3,056,363	-
40		Program Management - Contract - Construction Phase	104,000,000	104,000,000	104,000,000	-
41		PM - Public Agencies Construction Support	22,592,486	25,128,819	25,128,819	(2,536,333)
42		Other Direct Cost "ODC"	5,952,513	4,540,967	4,540,967	1,411,546
43		Const. Admin - Project Control Contract "PCC"	5,855,281	5,000,000	5,000,000	855,281
44		Const. Admin - Legal, Permits & Fee	4,986,050	4,962,773	4,962,773	23,277
45		Const. Admin - Survey, Testing, Investigation	14,957,556	14,898,037	11,035,118	3,922,438
46		Const. Admin - Public Agencies	27,552,982	27,552,982	21,681,643	5,871,339
47		Construction - Tunnel	197,868,469	179,518,583	179,518,583	18,349,886
48		Union Square/Market Station - LINES	228,839,935	234,041,301	234,041,301	(5,201,366)
49		Chinatown Station - CTS	182,059,984	193,820,531	193,820,531	(11,760,547)
50		Moscone Station - MDS	118,263,281	116,894,708	116,894,708	1,368,573
51		Surface, Trackwork & System	134,291,289	134,797,181	127,676,876	6,614,893
52		Fare Collection Equipment	2,400,000	2,400,000	2,400,000	-
53		Utility Connection Fees	14,858,685	14,891,316	14,891,316	(32,631)
54		Insurance - OCF	-	-	6,000,000	(6,000,000)
55		Public Art	14,500,000	14,500,000	12,523,736	1,976,264
56		Unallocated Contingency	117,444,575	121,475,868	116,377,084	1,057,491
57		Start Up	22,672,966	22,524,792	22,524,792	148,174
		Subtotal Construction & Procurement	1,247,555,453	1,245,837,864	1,227,118,252	20,437,201
58	Procurement	Vehicle Procurement	26,559,876	26,385,653	26,385,653	174,223
59	ROW	Real Estate	30,000,000	30,000,000	30,000,000	-
60	ROW	Real Estate Relocation	4,777,416	4,777,416	4,777,416	-
		Subtotal ROW	34,777,416	34,777,416	34,777,416	-
		Grand total	1,578,300,000	1,578,300,000	1,578,300,000	-

1250

1251

CENTRAL SUBWAY MAJOR LINE ITEM BUDGET - ENTIRE PROJECT

No.	Phase	Major Line Item	Adopted Baseline Budget (March 2009)	Forecast Budget (January 2011)	Forecast Budget (June 2011)	Contract Closeout	
17	Early	Utilities MOS CP01	11,249,591	9,273,939	9,273,939	11,968,150	
18	Construction	Utilities MOS CP01 - Contingency	-	2,051,393	2,051,393	(740,834)	
19	(LONP)	Utilities MOS CP01 - Form B	-	(3,798,016)	(3,798,016)	(2,275,419)	
			11,249,591	11,325,332	11,325,332	9,692,731	
21		Utilities MOS CP02	22,228,098	16,832,650	16,832,650	20,794,581	
22		Utilities MOS CP02 - Contingency		4,208,162	4,208,162	1,405,265	
23		Utilities MOS CP02 - Form B		(5,561,787)	(5,561,787)	(7,618,411)	
			22,228,098	21,040,812	21,040,812	13,176,170	
			33,477,689	32,366,144	32,366,144	22,868,901	9,497,243
		Subtotal Early Construction					

1250

1251

CS CN 1252 Letter No. 118

March 01, 2013

Barnard Impregilo Healy JV
420 Fourth Street
San Francisco, CA 94107

Attn: Ben Campbell

Reference: Contract 1252 Central Subway
Tunnels

Subject: Force Account Change Order No. 003

Dear Mr. Campbell:

Proposed Contract Change (PCC) 10: Relocation of TBM Retrieval Shaft was provided to BIH on January 9, 2013. Please see attached Force Account Change Order No. 003 to supplement this PCC.

Sincerely,



Sarah Wilson
CN 1252 Resident Engineer
SFMTA Central Subway Project

Cc: Alessandro Tricamo, BIHJV
John Funghi, SFMTA
Arthur Wong, SFMTA
Joon Park, SFMTA
Shahnam Farhangi, SFMTA
Mark Benson, SFMTA
Richard Redmond, SFMTA

M544-1.3.1252.0030

FORCE ACCOUNT CHANGE ORDER

Title: **Initial Design Activities for the Relocation of TBM Retrieval Shaft**

SFMTA Project: Central Subway Project (544.1)

Contract No. 1252 FA Change Order No. 003

Report No. PCC 010 Date March 01, 2013

TO: **Barnard Impregilo Healy JV (BIHJV), Contractor**

You are ordered to perform work as follows:

1. Initiate the following design activities for the relocation of the TBM Retrieval Shaft as described in PCC 010 dated 01/09/2013.
 - a. Design an extension of twin bore tunneling from the currently shown end at Sta. 81+23 approximately 274 feet to the relocated Retrieval Shaft. Length of extension subject to refinement of Retrieval Shaft location.
 - b. Design a demolition plan to demolish existing building at 1731-1741 Powell Street. Demolition to include entire building; roof trusses and perimeter walls are not to be retained as shown in the attached representative Demolition Drawings.
 - c. Design a temporary TBM Retrieval Shaft located within the bounds of 1731-1741 Powell Street property. Retrieval shaft to include temporary shaft cover to be in place when not actively removing TBM equipment.
 - d. Design a reinforced concrete bulkhead in each tunnel at Property Line, Public ROW side.
 - e. Design settlement mitigation measures based on existing Contract 1252 criteria. Settlement mitigation to include settlement monitoring plan compliant with existing Contract 1252 scope and function.
 - f. Design Traffic Control Plans for new work compliant with Contract 1252 Provisions.
2. Schedule:
 - a. Demolition Design completion required by February 1, 2013

The work specified above will be paid for on a force account basis as set forth in Section 6.05, Force Account Work, of the General Provisions, noting the typographical error in paragraph A.2 which incorrectly references Section 6.06 rather than the correct reference of 6.04. Payment for this work will not be allowed without an executed Contract Modification.

Allowance Amount for this PCC is: **Not to Exceed \$50,000**

Prepared by: Sarah Wilson

Date: March 01, 2013

Approved: *Jack Wilson* 3/1/13

Construction Manager Mark Benson

CM *Mark Benson* Date: 3/1/13

Original: Contractor

Copies: Construction Manager

Contract File

PROPOSED CONTRACT CHANGE

Contract No. 1252 Tunnels Date 01/09/2013
 PCC No.+ 1252-10
 PCC Title Relocation of TBM Retrieval Shaft

Description of PCC:

Modify Bid Item ST-4 Construction of Base Bid Permanent Retrieval Shaft to relocate the TBM retrieval Shaft to 1731-1741 Powell Street. The scope of this work includes:

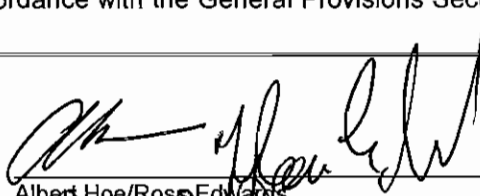
- Deletion of the TBM Retrieval Shaft on Columbus Ave,
- Design and Construct an extension of twin bore tunneling from the currently shown end at Sta 81+23 approximately 274 feet to the relocated Retrieval Shaft. Length of extension subject to refinement of Retrieval Shaft location.
- Design and demolish existing building at 1731-1741 Powell Street. Demolition to include entire building; roof trusses and perimeter walls are not to be retained as shown in attached representative Demolition Plans.
- Design and Construct a temporary TBM Retrieval Shaft located within the bounds of 1731-1741 Powell Street property. Retrieval shaft to include temporary shaft cover to be in place when not actively removing TBM equipment.
- Design and Construct a reinforced concrete bulkhead in each tunnel at Property Line, Public ROW side.
- Design and Construct settlement mitigation measures based on existing Contract 1252 criteria. Settlement mitigation to include settlement monitoring plan compliant with existing Contract 1252 scope and function.
- Design and Implement Traffic Control Plans for new work compliant with Contract 1252 Provisions.
- Prepare Pre and Post Construction existing condition survey based on existing Contract 1252 criteria.
- Schedule:
 - Demolition Design Completion February 1, 2013
 - Design Completion February 15, 2013
 - Demolition to commence March 1, 2013.
 - Relocated Retrieval Shaft Construction shall not extend project completion; Tunneling completion shall not extend project completion nor interim milestones by more than five days.
- Initial authorization to initiate design activities in the amount not to exceed \$50,000. Payment shall be as provided as Force Account Work as cited in Section 6.05.C Work Performed by Special Forces or Other Special Services.

Supplementary Conditions:

- No street closure of Columbus and Filbert Streets
- Lane and Street Closure of Powell Street, between Columbus and Union Streets, will be allowed as requested and approved by DPT.
- Access through Parking Lot (Lot 32 Assessor's Block 0101) is limited to TBM retrieval operations ONLY. Cost and coordination of access through Parking Lot by BIH.

Spec Ref.	CN 1252 Tunnels
Drawing Nos.	
Attachments	<ol style="list-style-type: none">1) Exhibit A - Conceptual Tunnel Plan and Profile2) Assessor's Block No. 0101 Lot No. 4 1731 Powell St.3) Geotechnical Investigation 1731-1741 Powell Street, La Corneta Place, December 1, 20084) Demolition Drawings D-1B1; D-101; D-102; D-103; D-104; D-105; D-106 The Palace at Washington Sq.
The Contractor's proposal in price and time is required on the following proposed contract change to the subject contract in accordance with the General Provisions Section 88.B within 14 days after receipt of a PCC.	

Recommended by:


Albert Hoe/Ross Edwards

Date

1/9/2013

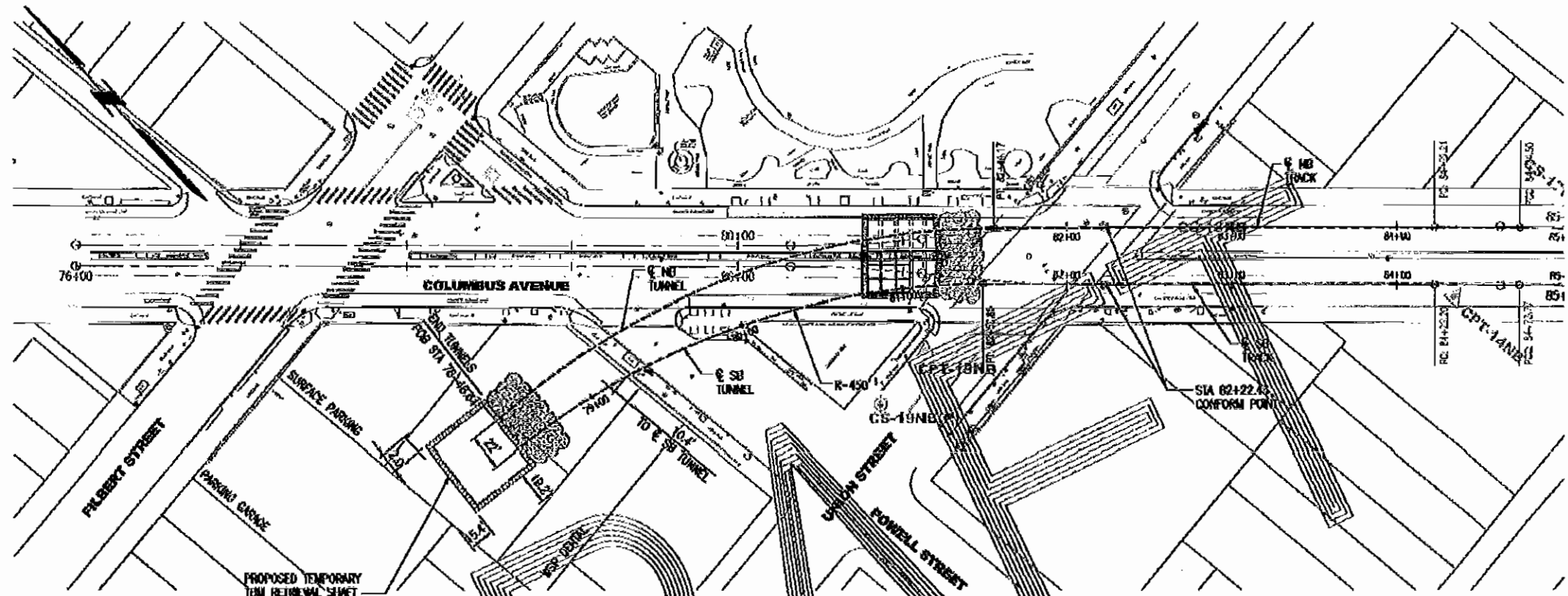
Concur in Principle:


Richard Redmond/Mark Benson, Construction Management

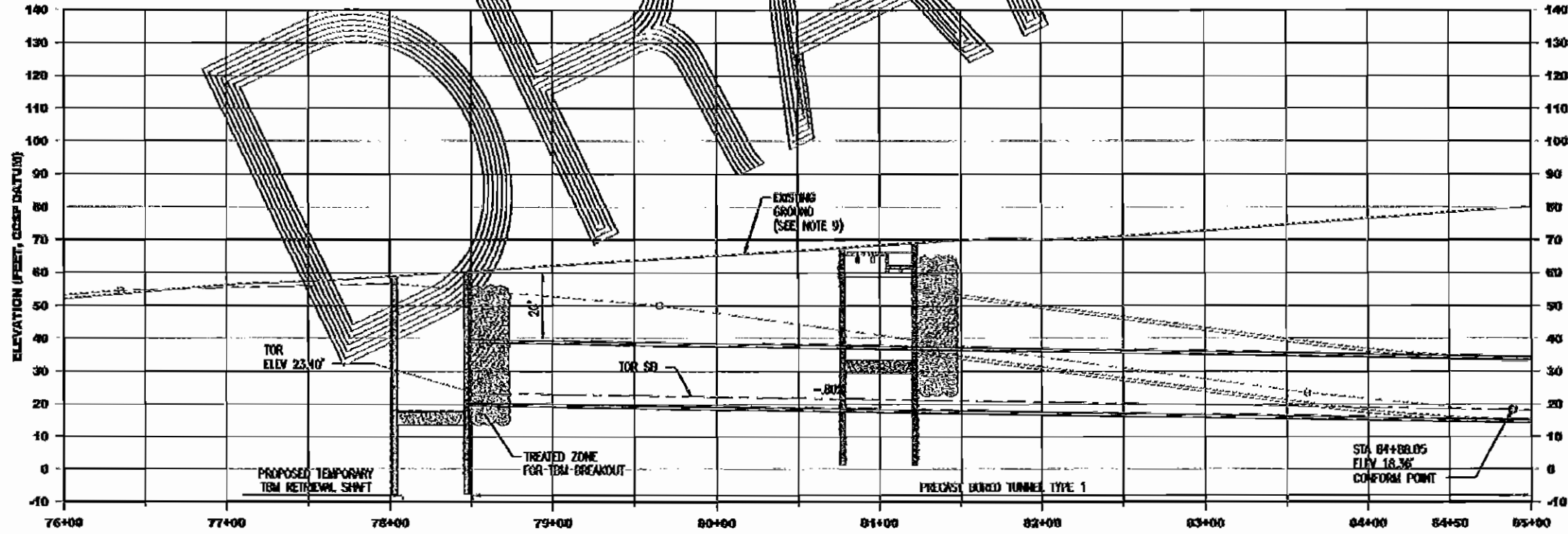
Date

1/9/13

\\sv6nas003\m544.1\FinalDesign\DRAWINGS\EXHIBIT FILES\1300\Pagoda_Ross\Pagoda.dwg ASchrode Wed Jan 09,2013 - 10:58 am PA00DA



TUNNEL PLAN



TUNNEL PROFILE

NOTES:

1. INDICATED TRACK PLAN AND PROFILE BEYOND SHIFT ARE DEFINED FOR TUNNEL ALIGNMENT PURPOSES ONLY.
2. USE ONLY TRACK STATIONING AND TRACK/TUNNEL OFFSETS FOR TUNNEL SETTING OUT.
3. (MC) NOT IN CONTRACT
4. FOR UTILITY AND FRACTION REMEDIATION LIMITS SEE RP AND UT DRAWINGS.
5. DRAWING SHOWS APPROXIMATE STATIONING OF TYPE 1/TYPE 2 TUNNEL LINER INTERFACE.
6. PLOT LINES ARE APPROXIMATE AND ARE NOT TO BE USED FOR RIGHT OF WAY ASSESSMENT.
7. BUILDING LINES DO NOT SHOW ALL FEATURES SUCH AS OVERHANGS, ACCESS, ETC.
8. SB PROFILE IS BASED ON THE SB TRACK STATIONING.
9. EXISTING GROUND SHOWN ON THE PROFILE VIEW IS APPROXIMATE AND NOT GENERATED FROM SURVEY DATA.
10. TOP OF RAIL SHOWN FOR RETRIEVAL SHIFT DEVIATION/ALIGNMENT IS THEORETICAL AND USED FOR THE PURPOSES OF LOCATING AND SETTING OUT THE TEM.

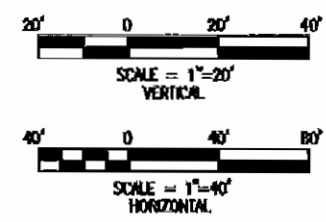
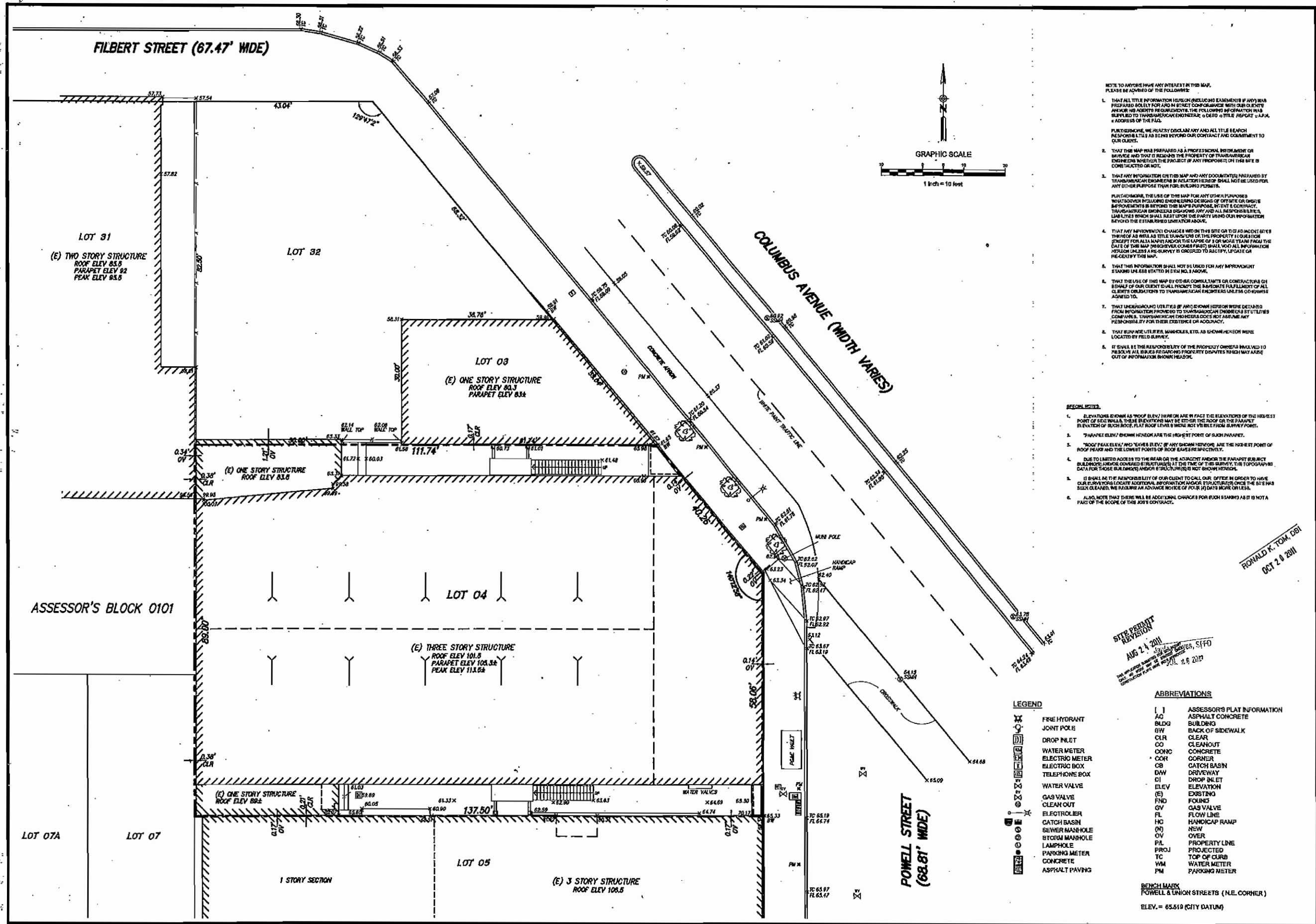


EXHIBIT A
12/28/2012



NOTE TO ANYONE WHO HAS ANY INTEREST IN THIS MAP, PLEASE BE AWARE OF THE FOLLOWING:

1. THAT ALL TITLE INFORMATION HEREON (INCLUDING EASEMENTS IF ANY) HAS BEEN PREPARED SOLELY FOR AND IN STRICT CONFORMANCE WITH OUR CLIENT'S AND/OR HIS AGENTS REQUIREMENTS. THE FOLLOWING INFORMATION HAS BEEN RELIED UPON BY TRANSMERICAN ENGINEERS, AND WE DO NOT WARRANT THE ACCURACY OR ADDRESS OF THE FACTS.
2. THAT THIS MAP WAS PREPARED AS A PROFESSIONAL INSTRUMENT OF SERVICE AND THAT IT REMAINS THE PROPERTY OF TRANSMERICAN ENGINEERS WHETHER THE PROJECT IF ANY PROPOSED ON THIS SITE IS COMPLETED OR NOT.
3. THAT ANY INFORMATION ON THIS MAP AND ANY DOCUMENTS PREPARED BY TRANSMERICAN ENGINEERS IN RELATION TO THIS PROJECT SHALL NOT BE USED FOR ANY OTHER PURPOSE THAN FOR BUILDING PERMITS.
4. THAT ANY IMPROVEMENTS OR CHANGES TO THIS MAP OR TO ANY ADJACENT SITE THEREOF AS WELL AS TITLE TRANSFERS OF THE PROPERTY LOCATION HEREON (EXCEPT FOR A REVISION AND/OR THE CORRECTION OF A MISTAKE FROM THE DATE OF THIS MAP (WHICHEVER COMES FIRST)) SHALL VOID ALL INFORMATION HEREON UNLESS A RE-SURVEY IS CONDUCTED TO RECTIFY, UPDATE OR RE-QUALIFY THIS MAP.
5. THAT THIS INFORMATION SHALL NOT BE USED FOR ANY IMPROVEMENT STAKING UNLESS STATED IN ITEM NO. 3 ABOVE.
6. THAT THE USE OF THIS MAP BY OTHER CONSULTANTS OR CONTRACTORS ON BEHALF OF OUR CLIENT SHALL PRESENT THE BARRIERS RESPONSIBILITY OF ALL CLIENTS CONSULTANTS TO TRANSMERICAN ENGINEERS UNLESS OTHERWISE AGREED TO.
7. THAT UNDERGROUND UTILITIES (IF ANY) SHOWN HEREON WERE OBTAINED FROM INFORMATION PROVIDED TO TRANSMERICAN ENGINEERS BY UTILITIES COMPANIES. TRANSMERICAN ENGINEERS DOES NOT ASSUME ANY RESPONSIBILITY FOR THEIR EXISTENCE OR ACCURACY.
8. THAT SURFACE UTILITIES, MANHOLES, ETC. AS SHOWN HEREON WERE LOCATED BY FIELD SURVEY.
9. IT SHALL BE THE RESPONSIBILITY OF THE PROPERTY OWNER(S) INVOLVED TO RESOLVE ALL ISSUES REGARDING PROPERTY DISPUTES WHICH MAY ARISE OUT OF INFORMATION SHOWN HEREON.

REMARKS:

1. ELEVATIONS SHOWN AS "ROOF ELEV" HEREON ARE IN FACT THE ELEVATIONS OF THE HIGHEST POINT OF SIDE WALLS. THESE ELEVATIONS MAY BE EITHER THE ROOF OR THE PARAPET ELEVATION OF EACH ROOF. PLAT READINGS WERE NOT VERIFIED FROM SURVEY POINTS.
2. "PARAPET ELEV" SHOWN HEREON ARE THE HIGHEST POINTS OF SUCH PARAPETS.
3. "ROOF PEAK ELEV" AND "PEAK ELEV" IF ANY SHOWN HEREON ARE THE HIGHEST POINT OF ROOF PEAKS AND THE LOWEST POINTS OF ROOF SLOPES RESPECTIVELY.
4. DUE TO LIMITED ACCESS TO THE REAR OR THE ADJACENT AREAS THE PARAPET SUBJECT BUILDINGS/AREAS COVERED BY STRUCTURES AT THE TIME OF THIS SURVEY, THE TOPOGRAPHIC DATA FOR THOSE BUILDINGS/AREAS IS NOT SHOWN HEREON.
5. IT SHALL BE THE RESPONSIBILITY OF OUR CLIENT TO CALL OUR OFFICE IN ORDER TO HAVE OUR SURVEYORS LOCATE ADDITIONAL INFORMATION TOPONCE THE SITE HAS BEEN CLEARED. WE REQUIRE AN ADVANCE NOTICE OF FOUR (4) DAYS MORE OR LESS.
6. ALSO NOTE THAT THERE WILL BE ADDITIONAL CHARGES FOR EACH STAKING AS IT IS NOT A PART OF THE SCOPE OF THIS JOB'S CONTRACT.

SITE PERMIT REVISION
 AUG 24 2011
 J. J. JONES, S.F.D.
 THE INFORMATION ON THIS MAP WAS PREPARED BY TRANSMERICAN ENGINEERS, INC. ON 08/21/09.

RONALD K. TOM, DBE
 OCT 2 8 2011

LEGEND

⊗	FIRE HYDRANT	[]	ASSESSOR'S PLAT INFORMATION
⊕	JOINT POLE	AC	ASPHALT CONCRETE
⊖	DROP INLET	BLDG	BUILDING
⊗	WATER METER	GW	BACK OF SIDEWALK
⊕	ELECTRIC METER	CLR	CLEAR
⊖	ELECTRIC BOX	CO	CLEANOUT
⊗	TELEPHONE BOX	CONC	CONCRETE
⊕	WATER VALVE	COR	CORNER
⊖	GAS VALVE	CB	CATCH BASIN
⊗	CLEAN OUT	DW	DRIVEWAY
⊕	ELECTROLER	DI	DROP INLET
⊖	CATCH BASIN	ELEV	ELEVATION
⊗	SEWER MANHOLE	(E)	EXISTING
⊕	STORM MANHOLE	FINO	FOUND
⊖	LAMPHOLE	GV	GAS VALVE
⊗	PARKING METER	FL	FLOW LINE
⊕	CONCRETE	HC	HANDICAP RAMP
⊖	ASPHALT PAVING	(N)	NEW
		OV	OVER
		PL	PROPERTY LINE
		PROJ	PROJECTED
		TC	TOP OF CURB
		WM	WATER METER
		PM	PARKING METER

BENCHMARK
 POWELL & UNION STREETS (N.E. CORNER)
 ELEV. = 85.619 (CITY DATUM)

Job No.	6160
Sheet No.	1 OF 1
Date	08/21/09
Survey	BP 08/18/09
Design	MA 08/20/09
Drawn	BP 08/20/09
Checked	BP 09/3/09
Scale	1"=10'

TRANSMERICAN ENGINEERS

FOX PLAZA
 1900 Market St., Suite 201
 San Francisco, CA 94102
 Phone No. (415) 533-4992
 Fax No. (415) 533-6021

ARCHITECTURAL TOPOGRAPHIC SURVEY
 ASSESSOR'S BLOCK No. 0101
 LOT No. 004
 1731 POWELL STREET

FOR REFERENCE ONLY

Approved By:	Checked By:
Checked By:	Checked By:
Updated 08-10-11	By:

CENTRAL SUBWAY PROJECT
Project Trend/Change Control Log

Trend Log

Contract Cost Estimate and Allocated Contingencies											
Item #	Date Initiated	Change Description	Change Type	CMB No.	Change Status		Projected Cost Impact +Exposure/(Benefit)	Comments	Contract Modification Number	Utility Reimbursements	
					Approval Action	Approval Date					Actual/Forecast
CONSTRUCTION TRENDS											
Contract 1250 - Utilities Relocation #1 (Portal & MOS)											
1250-0001	04/15/10	081-0001	Delete Option MF-OPT1 "Fire Protection Sprinkler System"	1	N/A		(50,000)	Cleared City Attorney's Office; to Shahnam for execution. [In "Current Forecast" - Sep2010 Cost Report.] COMPLETE, NO FURTHER ACTION; CMOD #1	CMOD #1 Approved		
1250-0002	05/07/10	081-0002	Changes to Sewer on 4th between Howard and Folsom	2	CMB-0001	Agree	07/12/10	+107,174	Differing conditions as AWSS is directly over existing sewer; unable to install sewer manhole per plan. [In "Current Forecast" - Sep2010 Cost Report.] No reimbursement from SFPUC Sewer. COR #2-\$34,135; COR #5-\$73,039 COMPLETE, NO FURTHER ACTION; CMOD #2	CMOD #2 Approved	
1250-0003	05/28/10	081-0003	Quantity Adjustment for JT-6 and JT-7	4	CMB-0002	Agree	08/04/10	+192,420	In April 2010 pay app, JT-6 bid qty exceeded by 344% (230 vs 1021) and JT-7 bid qty exceeded by 112% (500 vs. 1060) [In "Current Forecast" - Sep2010 Cost Report.] COMPLETE, NO FURTHER ACTION; CMOD #3	CMOD #3 Approved	
1250-0004	07/02/10	081-0004	Demolition of existing brick and concrete footing on 4th between Howard and Folsom	2	CMB-0003	Agree	07/12/10	+170,000	Unforeseen bricks and concrete footing discovered on east side of 4th Street between Folsom and Howard. [In "Current Forecast" - Sep2010 Cost Report.] COR #3-RFI #76 COMPLETE, NO FURTHER ACTION; CMOD #4	CMOD #4 Approved	
1250-0005	04/20/10	081-0005	Modify AWSS at 4th/Bryant and 4th/Harrison	3	CMB-0004	Agree	08/04/10	+586,000	At 4th/Bryant, AWSS conflict with new 48" sewer and AT&T duct bank. At 4th/Harrison, AWSS conflict with 18" sewer. [In "Current Forecast" - Sep2010 Cost Report.] No reimbursement from SFPUC AWSS. PCC #2: RFI #s 34, 49 & 51 COMPLETE, NO FURTHER ACTION; CMOD #5	CMOD #5 Approved	
1250-0006	04/29/10	081-0006	Install four additional piles and reinforce existing foundation at 401 4th Street	2	CMB-0005	Agree	08/25/10	+130,000	Existing foundation was discovered to be part brick and part concrete, which is different from plan. Also, foundation was unstable and required additional reinforcement. Refer to RFIs #85R1, 88.1, 100, 101, 102 COMPLETE, NO FURTHER ACTION; CMOD #6	CMOD #6 Approved	
1250-0007	10/06/10	081-0007	Additional work to install 48" sewer due to various utility conflicts at 4th/Bryant	2	N/A			+32,964	48" RCP sewer in conflict with existing AT&T duct bank that needs to remain in service until new joint trench is installed to enable switchover. This conflict forced contractor into a more expensive means to install sewer. Also, 48" RCP sewer in conflict with existing 30" force main and 24" steel pipes. No reimbursement from SFPUC Sewer. COMPLETE, NO FURTHER ACTION; CMOD #9	CMOD #9 Approved	
1250-0008	10/06/10	081-0008	Relocate TPC vault on 4th Street between Howard and Folsom	6	N/A			+19,500	Contractor uncovered existing TPC conduits on top of AT&T duct bank on 4th near Howard, a differing site condition. An AT&T intercept vault is to be installed, however, TPC conduits can not reside inside AT&T intercept vault. Joint Trench utilities participation cost TBD. Executed on 10/14/2010. Refer to RFI #62 (\$19,500) Expected Reimbursement from TPC. RE has provided documentation of notification to TPC, July-August '10. See final 1250 Form B actual costs COMPLETE, NO FURTHER ACTION; CMOD #8	CMOD #8 Approved	(19,500)
1250-0009	10/06/10	081-0009	Install additional sewer and provide temporary connections at 4th/Stillman	3	N/A			+47,000	Location of existing sewer to be intercepted differs from where it's shown in the plan, hence additional sewer to be installed. Also, due to optional sewer MH not buildable until (E) AT&T DB is removed, additional sewer is necessary to tie into (E) main as interim. New sewer is supposed to tie into optional MH. No reimbursement from SFPUC Sewer. RFI #91 COMPLETE, NO FURTHER ACTION; CMOD #7	CMOD #7 Approved	
1250-0010	10/06/10	081-0010	Perform AT&T wye cast connection and chipping of existing duct bank at various locations	6	N/A			+48,181	AT&T was supposed to tie-in its own facility. However, AT&T's contractor, who is hired to install vaults, stated it is not in their scope of work. Refer to RFI #82.1. AT&T intercept vault at 4th/Harrison can not be installed at design location due to utility conflicts. AT&T vault to be shifted a few feet instead of vault being on top of existing duct bank. This will cause additional excavation, joint trench and modification to existing duct bank. Joint Trench utilities participation cost TBD. SFMTA and AT&T are negotiating with Contractor. (\$48,181) Expected Reimbursement from AT&T. RE has provided documentation of notification to AT&T, Sept-Oct '10. See final 1250 Form B actual costs. COMPLETE, NO FURTHER ACTION; CMOD #10	CMOD #10 Approved	(48,181)

- 1 - Owner Directed Change in Scope
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- 3 - Errors and Omissions
- 4 - Quantity Variation
- 5 - Value Engineering
- 6 - Private Utilities
- 7 - Other

CENTRAL SUBWAY PROJECT
Project Trend/Change Control Log

Item #	Date Initiated	Change Description	Change Type	CMB No.	Change Status		Projected Cost Impact +Exposure/(Benefit)	Comments	Contract Modification Number	Utility Reimbursements	
					Approval Action	Approval Date					Actual/Forecast
1250-0011	10/06/10	081-0011	Remove existing piles and shoring at 801 Howard	2				-0-	This change order has been incorporated in CMOD #16 (Trend #30) COMPLETE, NO FURTHER ACTION; CMOD #16	CMOD #16 Approved	
1250-0012	10/06/10	081-0012	Additional work related to AT&T facilities due to unforeseen conditions.	6	CMB-0047	Agree	08/03/11	-0-	This is the total of all force account work related to AT&T facility. SFMTA to seek reimbursement from AT&T through the Form B process. (\$67,798) Expected Reimbursement from AT&T. Cost captured in Trend #15 COMPLETE, NO FURTHER ACTION; CMOD #20	CMOD #20 Approved	
1250-0013	10/06/10	081-0013	Additional work related to PG&E facilities due to unforeseen conditions.	6	CMB-0047	Agree	08/03/11	-0-	This is the total of all force account work related to PG&E facility. SFMTA to seek reimbursement from PG&E through the Form B process. (\$30,547) Expected Reimbursement from AT&T. Cost captured in Trend #15 COMPLETE, NO FURTHER ACTION; CMOD #20	CMOD #20 Approved	
1250-0014	10/06/10	081-0014	Remove brick wall at sewer sta 152+94 (west side) on 4th between Howard and Folsom.	2				-0-	This change order has been incorporated in CMOD #16 (Trend #30) COMPLETE, NO FURTHER ACTION; CMOD #16	CMOD #16 Approved	
1250-0015	10/06/10	081-0015	Archaeological Findings - Charges for rental of steel plates, triton barriers, shoring and labor for maintenance.	2				+784,771	Midden deposits were discovered on 4th Street between Howard and Folsom. Contractor stopped work. Contractor requesting payment for rental charges of trench plates, barricades, and shoring, and cost of maintenance. Total cost exposure is projected through end of November 2010. The \$290,703.00 is expected to be the final estimate for the rental of trench plates, barriers and shoring. \$597,000 Arch, \$179,000 DIFF, \$8,500 Traffic COMPLETE, NO FURTHER ACTION; CMOD #20	CMOD #20	
1250-0016	10/06/10	081-0016	Additional AWSS modification at 4th/Harrison	1	CMB-0016	Agree	11/10/10	+156,418	New alignment is proposed by Design team. No reimbursement from SFPUC AWSS. COR #33 Supplemental COMPLETE, NO FURTHER ACTION; CMOD #12	CMOD #12 Approved	
1250-0017	10/06/10	081-0017	Protection Work at PG&E Vault 1611	6				-0-	Expected Reimbursement from PG&E or work to be deferred \$6,400. RE has notified PG&E via email dated 10/29/10 that SFMTA expects full reimbursement for this work if implemented. Follow-up pending. Work was not performed and will need to be addressed in a future contract.		
1250-0018	10/06/10	081-0018	Demolition and Support Work at PG&E Vault 1611	6				-0-	Expected Reimbursement from PG&E or work to be deferred \$25,000. RE has notified PG&E via email dated 10/29/10 that SFMTA expects full reimbursement for this work if implemented. Follow-up pending. Work was not performed and will need to be addressed in a future contract.		
1250-0019	10/06/10	081-0019	Extended overhead delay claim due to Archaeological discoveries	2					Old Note: Potential delay claim if issue extends project duration. Amount is estimated at \$3,000.00 per day for 60 days (\$180K). New Note: By exercising all option work, additional 84 calendar days is added to the contract time. In addition, midden mitigation will start on 10/7/10. As a result, the potential for extended overhead cost is averted. This trend has been superseded by Trend #37. COMPLETE, NO FURTHER ACTION		
1250-0020	10/06/10	081-0020	Sewer modification under I-80 freeway at 2 locations	3				+39,062	Inverts of existing sewer where new sewer will tie into are found to be different than shown in plan and would create a reverse slope. Additional pipe and manhole are required to fix slope. Refer to RFI Nos. 2501 and 147. No reimbursement from SFPUC Sewer. COMPLETE, NO FURTHER ACTION; CMOD #11	CMOD #11 Approved	
1250-0021	10/06/10	081-0021	Install new AWSS lateral including hydrant at NW 4th/Harrison	2					Existing AWSS lateral at SW 4th/Harrison is in conflict with new 18" sewer. Instead of modifying the lateral to avoid the sewer, a new lateral at NW corner is a preferred solution. CM awaiting design revision from Design team. Trend No. 21 is combined with Trend No. 22.		
1250-0022	10/06/10	081-0022	Install additional 30 feet of DIP and new AWSS at 4th/Harrison	2	CMB-0026	Agree	01/12/11	+160,908	AWSS Point of connection on 4th Street was found to be cast iron instead of ductile iron as shown in DPW as-built. Due to this differing condition, additional length of pipe needs to be replaced and lead joint to be installed in order to install a ductile iron tee. Also, existing AWSS hydrant lateral is in conflict with new 18" sewer. The preferred solution was to install a new ductile iron lateral at a different location rather than installing vertical offsets on an existing cast iron lateral. No reimbursement from SFPUC AWSS. COMPLETE, NO FURTHER ACTION; CMOD #15	CMOD #15 Approved	
1250-0023	10/06/10	081-0023	Steel plates and shoring standby for 2 months due to PG&E delay at Clementina	3				+24,981	Sewer at Clementina was delayed by 2 months due to PG&E vault conflict. PG&E will not pay cost of steel plates and shoring standby because PG&E drawings were sent to MTA during design phase and PG&E was not made aware of the conflict then. COMPLETE, NO FURTHER ACTION; CMOD #13	CMOD #13 Approved	
1250-0024	10/06/10	081-0024	Utility support and work around for AT&T facilities	6	CMB-0048	Agree	08/24/11	+95,311	Contract specs specified AT&T to compensate contractor directly for workaround & support. AT&T refused to pay Synergy. Synergy considers AT&T's refusal as a changed condition to CN 1250 contract. (\$95,311) Reimbursement from AT&T. See Final 1250 Form B actual costs. COMPLETE, NO FURTHER ACTION; CMOD #19	CMOD #19 Approved	(95,311)
1250-0025	10/06/10	081-0025	Utility support and work around for PG&E facilities	6					Contract specs specified PG&E to compensate contractor directly for workaround & support. PG&E negotiated \$100,000 directly with Synergy and will pay synergy directly as well.		

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CENTRAL SUBWAY PROJECT
Project Trend/Change Control Log

Item #	Date Initiated	Change Description	Change Type	CMB No.	Change Status		Projected Cost Impact +Exposure/(Benefit)	Comments	Contract Modification Number	Utility Reimbursements	
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1250-0026	10/06/10	081-0026	Utility support and work around for SFWD facilities	3	CMB-0028	Agree	02/09/11	+66,510	Total cost known to date (10/5/10) of all SFWD support and workaround. See COR #12, 20, 32 and 35. Agreed amount is total of COR #12, 20 and 32. Total exposure is equal to agreed amount plus COR #35. No reimbursement from SFWD. COMPLETE, NO FURTHER ACTION; CMOD #14	CMOD #20 Approved	
1250-0027	10/06/10	081-0027	Trucking and labor support for Archaeological mitigation	2				-0-	Synergy is asked to provide trucking for delivery of midden soil to Sonoma State University lab. Other support work includes traffic control, plating, loading and unloading of midden soil. The amount shown are charges up to end of November 2010 only. Additional charges are expected which will be tracked as Trend No. 28. COMPLETE, NO FURTHER ACTION	CMOD #20 Approved	
1250-0028	12/08/10	081-0028	Trucking and labor support for Archaeological mitigation, Part II	2				-0-	Synergy is asked to provide trucking for delivery of midden soil to Sonoma State University lab. Other support work includes traffic control, plating, loading and unloading of midden soil. The amount shown are expected charges beyond November 2010. COMPLETE, NO FURTHER ACTION	CMOD #14 Approved	
1250-0029	12/08/10	081-0029	Cost overrun for bid item UD-10 "Additional excavation and backfill"	4	CMB-0036	Agree	05/04/11	+112,500	Bid item UD-10 is to pay for excavation of connection hole and kill hole for SFWD line. Contract only included 200 cubic yard for this work. The size of excavations is dictated by field conditions and per the direction of SFWD inspector. RE's estimate of the total volume of dirt to be excavated is 630 cy. Examples of differing conditions encountered are: location of existing water line is different than where it's shown in the plan, existing waterline where shown in the plan to be connected to is inactive, differing condition at 5th/Clementina, connection holes and kill holes need to be expanded due to other utilities in the way. COMPLETE, NO FURTHER ACTION; CMOD #17	CMOD #17 Approved	
1250-0030	12/08/10	081-0030	Supplement bid item GE-4 "Allowance for differing site conditions" related to the installation of publicly owned facilities only (sewer, water, AWSS, Joint trench)	4	CMB-0030	Agree	04/13/11	+235,595	This change order is to supplement GE-4 for cost overrun related to the installation of publicly owned infrastructure only. GE-4 cost overrun for installation of privately owned infrastructure is being tracked separately and a separate change order will be issued. COMPLETE, NO FURTHER ACTION; CMOD #16	CMOD #16 Approved	
1250-0031	12/08/10	081-0031	Unused allowance for bid item GE-8 "Allowance for cast-in-place utility vaults"	4				-0-	Bid item GE-8 is an allowance to pay contractor for designing and constructing cast-in-place manholes as required for installation of new systems. Only one CIP vault was installed. Credit amount included in Trend #43		
1250-0032	12/08/10	081-0032	Unused allowance for bid item UD-5 "Handling and disposal of Class I Hazardous Waste"	4				-0-	Bid item UD-5 is an allowance to pay contractor for handling and disposal of Class I Hazardous Waste. No class I hazardous waste was off hauled away from the job site. Class I soil found under the I-80 freeway was put back in the trench as backfill. This bid item is expected to remain unused. However, contractor is claiming to recover "General Conditions" cost. Credit amount included in Trend #43		
1250-0033	12/08/10	081-0033	Unused allowance for bid item UD-6 "Transportation of Class I Hazardous Waste"	4				-0-	Bid item UD-6 is an allowance to pay contractor for transporting of Class I Hazardous Waste. No class I hazardous waste was off hauled away from the job site. Class I soil found under the I-80 freeway was put back in the trench as backfill. This bid item is expected to remain unused. However, contractor is claiming to recover "General Conditions" cost. Credit amount included in Trend #43		
1250-0034	12/08/10	081-0034	Cost overrun for bid item TR-6 "Allowance for manual traffic control"	4	CMB-0037	Agree	05/04/11	+68,820	Bid item TR-6 is an allowance to pay for off-duty police officers and parking control officers. Contract allowance amount is \$50,000.00. Contract specs calls for police officers at 4 intersections (4th/Howard, 4th/Folsom, 4th/Harrison and 4th/Bryant). The average cost of 1 police officer is about \$800.00 per day (\$100.00 per hour). The \$50,000.00 allowance is only good for 60 days for 1 police officer. Hence, additional money was needed for traffic control support. Final amount paid police officers is \$87,500.00. Additional billings for parking control officers (from Al Herce of DPT) is forthcoming; RE estimated this bill to be about \$60,000.00. COMPLETE, NO FURTHER ACTION; CMOD #18	CMOD #18 Approved	
1250-0035	12/08/10	081-0035	Premium cost for requesting contractor to accelerate work on 4th Street between Howard and Folsom	2				-0-	Due to archaeological discoveries, many trenches remained open and the project would not have enough time to complete installation of underground utilities and restore the roadway before the Holiday season. Without accelerating the work, the project would have had to pay rentals for the barriers, street plates and shoring for the unfinished trenches that would have remained. By accelerating the work and DPT allowing the contractor to work through the beginning of the Holiday Moratorium, the project avoided these rental costs, which is estimated to be greater than the premium cost of accelerating the work. COR Not submitted by Contractor CLOSED COMPLETE, NO FURTHER ACTION		

- 1 - Owner Directed Change in Scope
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CENTRAL SUBWAY PROJECT
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Item #	Date Initiated	Change Description	Change Type	CMB No.	Change Status		Projected Cost Impact +Exposure/(Benefit)	Comments	Contract Modification Number	Utility Reimbursements
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1250-0036	12/08/10	081-0036 Rental/Maintenance costs for support of Archeological Trenches (Part 1 of 4) \$255,840; Support Work During Archeologist Mitigation Efforts (Part 2 of 4) \$199,741; Mobilization and Equipment Standby Costs (Part 3 of 4) \$67,728; Additional Overhead/Indirect Costs During Archeological Delay Period (Part 4 of 4) \$124,186	2	CMB-0041	Agree	07/13/11 02/15/12 07/25/12 09/12/12	-0- Due to archaeological discoveries, contractor may potentially claim for compensation for his equipment that were idle for the duration of the waiting period. RE's estimate is based on Caltrans rate for equipment standby for 5 months (May to October). RE has not received any change order request related to this item. RE to verify if his equipment were indeed idle during this time period. 2/15: Rental/Maintenance Costs for Support (Part 2 of 4); -0- Addl Work as Result of Archeological Shutdown (3 of 4). 07/25: Revised mod - compensation for 1 of 3) Rental/Maintenance, 2 of 3) Addl Work result of Archeological support, 3 of 3) Addl OH/Indirect cost. RE to add Equipment Standby time to revised mod. 09/12: RE to Prepare Modification 10/29: CMod 20 is being issued as a unilaterally change, by the SFMTA that represents the SFMTA's estimate of a fair and reasonable final compensation amount for the additional work. COMPLETE, NO FURTHER ACTION	CMOD #20 Approved		
1250-0037	12/08/10	081-0037 Compensation for loss of production, inefficiency and disruption of work due to archaeological discovery	2				-0- Due to archaeological discoveries, contractor may potentially claim for compensation for loss of production, inefficiency and disruption of work. RE has not received any change order request related to this item. Amount shown is a ROM cost by the RE. RE expects a COR from the contractor but change justification is very unlikely. Initial draft COR was \$898,453. RE has adjusted to \$661,559 removing the month of October and option work. This was then revised to 800,000. There has been no official submittal from Synergy. SFMTA has directed Synergy to submit anything related to the Architectural delays through the claims process. This will be carried in the Potential Claim Log. COMPLETE, NO FURTHER ACTION			
1250-0038	03/18/11	081-0038 Project Delay due to archaeological discovery and PG&E Issues.	2				-0- Due to archaeological discoveries compounded with PG&E's ability to perform service switchover to Olivet University and de-energize a live duct bank in conflict with 48" sewer. The project will realize an estimated 6 weeks of non-compensable delay to the substantial completion date of 4/6/11. 47 days estimated by RE. Contractor submitted COR 51 in the amount of \$1,144,776.74 on September 1st, 2011. RE responded requesting additional backup on October 19th, 2011. Subsequently, no additional information has been provided by the contractor, therefore, SFMTA has directed Synergy to submit anything related to the Architectural delays through the claims process. This will be carried in the Potential Claim Log.			
1250-0039	05/18/11	081-0039 Remove BP-4 (Waterproofing) from Contract	4				-0- Bid item was not used. Contractor requesting compensation to recover for General Conditions cost. Bid item amount total is \$40,000. NO FURTHER ACTION; Superseded by COR #58. (See 1250-0043 below)	N/A		
1250-0040	05/18/11	081-0040 Delete SW-8 (24" Sewer) from Contract	4				-0- Bid item was not used. Contractor requesting compensation to recover for General Conditions cost. Bid item amount total is \$73,117. NO FURTHER ACTION; Superseded by COR #58. (See 1250-0043 below)	N/A		
1250-0041	05/18/11	081-0041 Delete UD-5 and UD-6 (Class I Off haul and Handling) from Contract	4				-0- Bid items were not used. Contractor requesting compensation to recover for General Conditions cost. Bid items total amount is \$150,000. NO FURTHER ACTION; Superseded by COR #58. (See 1250-0043 below)	N/A		
1250-0042	05/25/11	081-0042 Delete GE-6 (Hazmat) from Contract	4				-0- Bid item was not used. Contractor requesting compensation to recover for General Conditions cost. Bid item amount total is \$100,000. NO FURTHER ACTION; Superseded by COR #58. (See 1250-0043 below)	N/A		
1250-9001	10/06/10	081-9001 Utility Companies refusal to contribute to utility support costs and work around. (Voided. Recorded individually in TR-0059-TR-0061.)	7					VOIDED		
1250-0043	08/03/11	081-0043 Unit Rate Adjustment for Entire 1250 Bid Items	4				(333,904) Pursuant to General Provision GP-11, COR is to adjust contract value to account for fix overhead costs for bid items not performed or where the bid item performed varied by 25%. COMPLETE, NO FURTHER ACTION; CMOD #20	CMOD #20 Approved		
Contract 1250 Totals							+2,694,211 Total Changes to the Contract in the amount of \$2,694,211, represents a \$740,834 OVER RUN of the original allocated contingency of \$1,953,377. Changes that will be Utility Reimbursement credits through the Form B process in the amount of \$162,992 will offset some of this OVER RUN. Final Contract Closeout Total \$11,968,150 will be reduce by \$2,275,419 Utility Reimbursement credits for a Final Program cost of \$9,692,731 for CN 1250		(162,992)	

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					Approval Action	Approval Date					Actual/Forecast
Contract 1251 - Utilities Relocation #2 (UMS)											
1251-0001	03/18/11	082-0001	Modify traffic control plan by establishing a single travel lane on Stockton St. in lieu of time-based multiple lane requirements as stipulated in contract plans TR-001 to 004.	7				-0-	After discussions with the Contractor and the Union Square Business Improvement District (BID), the SFMTA determined that modifying the lane requirements along Stockton St. and implementing the alternate pedestrian walkway design would be beneficial to the execution of CN 1251 in the following ways: increased public safety, increase construction production, and create a more pleasing environment to the public and merchant. COR #1 COMPLETE, NO FURTHER ACTION; CMOD #4	CMOD #4 Approved	
1251-0002	03/18/11	082-0002	Installation of reinforced concrete slab underneath Joint Trench along Stockton at O'Farrell (East Side). CTL 133+66.37 (27.08 LEFT) to CTL 134+00.87 (27.08 LEFT)	1&3	CMB-0035	Agree	04/20/11	+67,634	Pursuant to a commitment between Barney's and SFMTA, Emergency Stair #4 (to be constructed in CN 1253) must avoid existing subsidewalk basement. It was determined that moving the conflicting stairs would require the Joint Trench to be constructed in a manner that would enable it to span the excavated area. The addition of the invert slab allowed for the needed span thereby allowing for a relocation of Emergency Stair #4. COR #4; PCC #1 COMPLETE, NO FURTHER ACTION; CMOD #2	CMOD #2 Approved	
1251-0003	03/18/11	082-0003	Adjust placement of 3EA manholes along Geary Street and O'Farrell Street. The modified manhole locations require the installation of approximately 265LF of additional HDPE pipe inside the existing 3'x5' brick sewer.	1	CMB-0029	Agree	02/23/11	+148,919	During future station construction, the design team anticipates that excavation related settlement may cause damage to the brick sewers along Geary and O'Farrell Streets. This proposed modification will replace the vulnerable brick sewer within the influence zone with HDPE pipe that will not be as susceptible to settlement-induced damage. COR #9, PCC #2 COMPLETE, NO FURTHER ACTION; CMOD #1	CMOD #1 Approved	
1251-0004	04/06/11	082-0004	Changes to Neiman Marcus secondary enclosure wall due to various differing site conditions.	2	CMB-0031	Agree	04/13/11	+189,584	Due to various differing site conditions as described in RFIs 15, 37, 38 and 44, changes to the secondary enclosure wall are required. The existing footing were found to be inconsistent, i.e. missing footing in one area, footing sticks out beyond existing wall, overpour on existing footing, existing wall to be 6" into private property. Contract plan SR-302 shows a consistent footing. COR #8 COMPLETE, NO FURTHER ACTION; CMOD #3	CMOD #3 Approved	
1251-0005	04/06/11	082-0005	Existing PG&E conduits were found on top and parallel to existing AWSS on Geary Blvd. at 2 locations (east and west of Stockton)	6				+66,084	Contract plans AW-501.1, 501.2, 501.4 and 501.4 show the existing AWSS to be replaced in place. However, existing PG&E conduits were found to be on top and parallel to the existing AWSS resulting in extra work in working around and/or shifting the existing electrical conduits. Contract plans JT-308 and 309 showed the existing electrical and AWSS to be separate. Estimate includes \$77,892.53 (Synergy FA Request) + \$25,000 (first digging west side) + \$10,000 (temp backfill during moratorium) + \$15,000 (plate rental west side at \$5k per month). Estimate does not include Synergy's cost to sequence his work. Updated projected cost impact from \$50,000 to \$127,893 based on compilation of force accounts received. RE negotiating COMPLETE, NO FURTHER ACTION	CMOD #24 Approved	(66,084)
1251-0006	04/20/11	082-0006	Design changes to utilities on Stockton street between Post and Geary	1	CMB-0039	Agree	06/08/11	+398,624	Due to changes to the limits of the UMS Station on Stockton Street between Post and Geary, the original utility design has changed. COR #24, PCC #4 COMPLETE, NO FURTHER ACTION; CMOD #5	CMOD #5 Approved	
1251-0007	04/20/11	082-0007	Design changes to utilities on Ellis Street	1	CMB-0049	Agree	08/24/11	(434,957)	Due to changes to the limits of the UMS Station on Ellis street, the original utility design has changed. PCC #5 COMPLETE, NO FURTHER ACTION; CMOD #5	CMOD #5 Approved	
1251-0008	04/20/11	082-0008	Elimination of underpinning at 150 Stockton	1					Based on field verification, it was determined that underpinning is no longer needed. Contract bid item SR-9 is for a total amount of \$116,000 measured by LF. However, CM team does not anticipate to recover the full amount because contractor may be entitled to retain general conditions cost and some excavation cost that was already performed but encumbered in Bid Item SR-9. Agreed credit of (\$58,000) to be included in Trend #60. CLOSED, NO FURTHER ACTION		
1251-0009	04/20/11	082-0009	Additional cost for police officers and/or Parking Control Officers for traffic control.	4	CMB-0038	Agree	06/01/11	+261,584	Contract bid item TR-7 for manual traffic control in the amount of \$120,000 is insufficient to control traffic for the duration of the contract. The \$120,000 allowance only equates to one police officer for a duration of 7.5 months. At a minimum, it is anticipated that one police officer or PCO will be needed at Stockton/Post for the entire contract duration of 16 months. Additionally, one PCO is required for each intersection at Geary/Stockton and O'Farrell/Stockton. COMPLETE, NO FURTHER ACTION; CMOD #4	CMOD #4 Approved	
1251-0010	05/25/11	082-0010	Accelerate Stockton east between O'Farrell and Market	1				+27,409	Contractor needed to rent additional excavators to work concurrently with the other block on Stockton between O'Farrell and Market. Amount: \$27,409; COR #25 COMPLETE, NO FURTHER ACTION; CMOD #3	CMOD #3 Approved	

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1251-0011	06/22/11	082-0011	Potholing at 4th/Howard for PUC sewer design	1				Request from MOS utility design team to pothole for the intercept of a 36" force main sewer and 96" sewer. PUC requested that this be done in order to ensure that we have accurate utility information to avoid costly change orders during construction. Per direction from CMB on January 18, 2012, this request is denied. COR #50, PCC #6 CLOSED, NO FURTHER ACTION: Per direction from CMB on January 18, 2012, this request is denied.		
1251-0012	07/06/11	082-0012	Additional cost to lower the AWSS at O'Farrell, east of Stockton, due to numerous existing utility conflicts.	2	CMB-0042, CMB-0050	Agree	8/3/2011, 9/21/2011	+278,351		CMOD #6 Approved
1251-0013	07/06/11	082-0013	Accelerate start of construction in front of Macys West by trenchless construction method	7				-0-	anticipated. To mitigate this potential delay, contractor requested to start construction in front of Macys West. COR 32 (CMB 0055 approval - see also Trend CN1251 #'s 04 & 10) COMPLETE, NO FURTHER ACTION; CMOD #3 (No Cost Change)	CMOD #3 Approved
1251-0014	07/21/11	082-0014	Increase in Bid Item WD-10, Allowance for Additional Excavation and Backfill.	3	CMB-0055	Agree	09/14/11	+191,779	This allowance is for the contractor to perform additional excavation, backfilling and restoration associated with the water tie-ins and capping for the distribution piping system. The contractor has performed two water service tie-ins at an average cost of \$14,000 per tie-in. The current number of tie-ins and capping is 35 separate points. This amounts to a total cost of \$490,000. The current contract allowance amount is \$100,000, therefore an additional \$390,000 will be needed to augment is bid item. CMB made a partial approve of up to \$200K. The initial Contract Modification to supplement this allowance is in the amount of \$191,778.62. RE's cost analysis of this trend confirms that the initial CMod amount of \$191,778.62 is sufficient to cover for all water tie-in/capping work. COMPLETE, NO FURTHER ACTION; CMOD #9	CMOD #9 Approved
1251-0015	08/03/11	082-0015	Additional traffic signal work at Post/Stockton	1				+17,530	Modification of the traffic signal at Post/Stockton is required to implement the detour shown in contract plan TR-010. There are no bid item to bill this work. COR #19 COMPLETE, NO FURTHER ACTION; CMOD #8	CMOD #8 Approved
1251-0016	08/03/11	082-0016	Additional traffic signal work at Sutter/Mason	2				+32,054	Existing conduits shown in Plan ET-101 differs from what is actually in the field. City's response to RFI 73 directs contractor to install new conduits and conductors. RFI #73; COR #33 COMPLETE, NO FURTHER ACTION; CMOD #8	CMOD #8 Approved
1251-0017	08/03/11	082-0017	Furnish and install AT&T Manhole 5830 on O'Farrell Street	6	CMB-0051	Agree	09/21/11	+25,000	AT&T was supposed to hire its own subcontractor to furnish and install all AT&T vaults in CN 1251. AT&T requested SFMTA for Synergy to perform this work as change order to CN 1251. AT&T agreed to reimburse SFMTA (\$25,000) through the Form B process. COMPLETE, NO FURTHER ACTION; CMOD #7	CMOD #7 Approved (25,000)
1251-0018	08/03/11	082-0018	Furnish and install AT&T Manhole 5829 on Geary Blvd.	6	CMB-0051	Agree	09/21/11	+31,000	AT&T was supposed to hire its own subcontractor to furnish and install all AT&T vaults in CN 1251. AT&T requested SFMTA for Synergy to perform this work as change order to CN 1251. AT&T agreed to reimburse SFMTA (\$31,000) through the Form B process. COMPLETE, NO FURTHER ACTION; CMOD #7	CMOD #7 Approved (31,000)
1251-0019	08/03/11	082-0019	Extend joint trench and modify existing AT&T Manhole 403 on Ellis Street.	6	CMB-0057	Agree	10/26/11	+31,000	AT&T was supposed to furnish and install AT&T vault #5833 on Ellis Street. The current design was to intercept the existing AT&T conduit in the middle of Ellis Street. It was discovered that the existing AT&T conduit actually run adjacent to the southern curb line along Ellis Street. Therefore, AT&T requested SFMTA for Synergy to extend the joint trench approximately 200 feet to the West and tie into their existing AT&T vault #403. This work will also require Synergy to enlarge vault #403 to accept the additional conduit. . This additional work for AT&T will need to be reimbursed to SFMTA through the Form B process. Note: The agreed amount (\$31,000) is for enlargement of vault #403 only; the additional 200 feet of trench to be captured in the JT bid items. (See Trend 60) COR #43 COMPLETE, NO FURTHER ACTION; CMOD #11	CMOD #11 Approved (31,000)
1251-0020	09/07/11	082-0020	Change PG&E conduit material from PVC to GRS on west side of Stockton between Geary and Post	6	CMB-0058	Agree	11/02/11	+19,537	PG&E requested to use GRS material in lieu of PVC in areas where PG&E conduits were expected to be exposed and temporary supported during future UMS station construction. PG&E agreed to reimburse SFMTA (\$19,537) through the Form B process. COMPLETE, NO FURTHER ACTION; CMOD #21	CMOD #21 Approved (19,537)

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1251-0021	09/07/11	082-0021	6					PG&E made changes to the locations of the service points and layout of some of the primary lines. In addition, due to changes to the limits of the UMS Station on Ellis Street, it was determined that Muni Vault 1850A is no longer needed. Cost for this trend in captured in Trend #31 or CMod #12. CLOSED; NO FURTHER ACTION. Cost for this trend is captured in Trend #31/CMod #12		
1251-0022	09/07/11	082-0022	7					During the design phase the representatives of the Hilton Hotel agreed to and signed a license agreement with the SFMTA to allow embedded eyebolt supports. Hilton's Dir of Property Ops now wants to have OCS poles rather than the embedded building eyebolt supports. However, the OCS designer was able to revise the OCS design to eliminate the need for either eyebolts or poles in front of Hilton Hotel, resulting in a \$2,000 credit. CLOSED; NO FURTHER ACTION. Applicable bid items to be adjusted accordingly, See Trend #60.		
1251-0023	09/07/11	082-0023	1	CMB-0065	Agree	1/25/2012, 2/29/12	+405,440	SFMTA Operations has requested a bypass be installed at 4th Street and Folsom Street. \$242,619 in labor costs for OCS installation has not been negotiated yet. 1/25: Condition agreed upon verification material from Contractor to be procured is available. (Verified 02/01/12). 02/29: CMod negotiated cost has been revised to incorporate original three items and the add'l OCS work on Folsom St. COR #52; PCC #7 Updated projected cost impact from \$490,000 to \$405,440. CMod #12 (Formally CMod #15) COMPLETE, NO FURTHER ACTION; CMOD #12	CMOD #12 Approved	
1251-0024	09/07/11	082-0024	6	CMB-0059	Agree	11/16/2011, 05/02/12	+201,411	As a new requirement, PG&E had requested that a 5" slurry wall be installed between the gas line and wet utilities where the separation between the 2 utilities is less than 3 feet. PG&E agreed to reimburse SFMTA (\$201,410) through the Form B process. COR #58 COMPLETE, NO FURTHER ACTION; CMOD #19	CMOD #19 Approved	(201,411)
1251-0025	09/07/11	082-0025	6					PG&E requested to install additional conduits crossing Stockton Street at Geary and O'Farrell to minimize service interruption during future UMS Station construction. PG&E agreed to reimburse SFMTA through the Form B process. This item is captured under applicable JT Bid item, see Trend 60. CLOSED; NO FURTHER ACTION. Item is captured under applicable JT Bid Item, See Trend 60.		
1251-0026	09/14/11	082-0026	2					The sub-basement in the public parking garage at O'Farrell/Mason extends beyond the property line up to the curb line. Therefore, regular foundations as per original design could not be installed. CLOSED; NO FURTHER ACTION. Item is captured under applicable OCS Bid Item, See Trend 60.		
1251-0027	09/20/11	082-0027	1	CMB-0056	Agree	11/30/11	+281,435	Acceleration is necessary to avoid potential delay impacts to Central Subway follow-on contracts. COR #40 COMPLETE, NO FURTHER ACTION; CMOD #10	CMOD #10 Approved	
1251-0028	10/18/11	082-0028	6	CMB-0057	Agree	10/26/11	+157,000	AT&T was supposed to hire its own subcontractor to furnish and install all AT&T vaults in CN 1251. AT&T requested SFMTA for Synergy to perform this work as change order to CN 1251. AT&T agreed to reimburse SFMTA (\$157,000) through the Form B process. COR #43 COMPLETE, NO FURTHER ACTION; CMOD #11	CMOD #11 Approved	(157,000)
1251-0029	10/26/11	082-0029	6					Vault 133 rebuild is superseded by Trend 40. Demolition of existing vaults 403 and 113 is superseded by Trend 43 CLOSED; NO FURTHER ACTION. Demo of exiting vaults 403 and 113 are superseded by Trend 43. (See CMOD #23)		
1251-0030	10/26/11	082-0030	6	CMB-0058	Agree	11/02/11	+46,366	PG&E asked SFMTA to enlarge vault 873. PG&E agreed to reimburse SFMTA (\$46,366) through the Form B process. CMB approved a NTE amount of \$40K COMPLETE, NO FURTHER ACTION; CMOD #21	CMOD #21 Approved	(46,366)
1251-0031	10/26/11	082-0031	6	CMB-0058	Agree	11/02/11	+17,193	PG&E asked SFMTA to install additional conduits. PG&E agreed to reimburse SFMTA (\$17,193) through the Form B process. COMPLETE, NO FURTHER ACTION; CMOD #21	CMOD #21 Approved	(17,193)
1251-0032	11/08/11	082-0032	6	CMB-0059	Agree	11/16/2011, 05/02/12	+92,292	PG&E gas drawings were not included in the bid package and there was no bid item to capture this work. Gas drawings was issued by PG&E in June 2011. PG&E agreed to reimburse SFMTA (\$92,292) through the Form B process. Updated projected cost impact from \$202,400 to \$169,087 due to reduction in number of kill holes from 18 to 15. 04/11: Discovery of actual number of Kill/Tie locations being 26 instead of 15 will require confirmation from PG&E of the locations and the new cost of scope of work. COMPLETE, NO FURTHER ACTION; CMOD #19	CMOD #19 Approved	(92,292)

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1251-0033	11/23/11	082-0033	1	CMB-0068	Agree	03/07/12	+408,700	Additional enclosure wall is design initiated change. COR #47, PCC #9 Updated projected cost impact from \$262,484 to \$408,700. 39 Calendar Day Time Extension COMPLETE, NO FURTHER ACTION; CMOD #13 (formally CMOD #14)	CMOD #13 Approved	
1251-0034	01/10/12	082-0034	2	CMB-0069	Agree	04/04/12	+337,548	Existing utilities that are in active service were discovered in the City public right-of-way and are obstructing the performance of Contract work. Worst case scenario - "Not to Exceed" value) CM team will report actual amount value at a later date COR #71 CMB agreed to a Not-to-Exceed amount of \$346,456 on 4/4/12. All physical work was scheduled to complete by 4/13/12 COMPLETE, NO FURTHER ACTION; CMOD #17	CMOD #17 Approved	
1251-0035	01/11/12	082-0035	1					UMS Design Team requested 1251 to pothole (6'Wx12'Lx8'D) on Stockton between Post and Geary for UMS Station design Existing utilities that are in active service were discovered in the City public right-of-way and are obstructing the performance of Contract work. Worst case scenario - "Not to Exceed" value) CM team will report actual amount value at a later date COR #53 CLOSED; NO FURTHER ACTION. Per direction of CMB on 1/18/12, this request is denied and DP2 Designer will cover this potential future obstruction with a note on the drawings.		
1251-0036	01/11/12	082-0036	6					CN 1252 Contract is requesting 1251 to install PG&E conduits in order to bring power in advance of the tunnel equipment arrival. The scope of work, which involves trenching at the busy 4th/Bryant intersection, was part of the 1252 contract, hence, a credit of same amount (\$54,892.07) to be due back to 1252. Based upon a field meeting and discussions with BIH on Jan 17th this work will be done under CN 1252 as originally planned. COR #55 CLOSED; NO FURTHER ACTION. Based on field meeting with BIH on 1/17/12; this work will be completed under CN 1252 as planned.		
1251-0037	01/17/12	082-0037	3	CMB-0078	Agree	09/12/12	+27,428	After field investigation, the existing sewer lateral was found to connect to the Stockton main near Geary. However, the location where the lateral is connected to the main is inside the footprint of the UMS station, in which the main is shown in the contract plan to be slurry filled. The contract plan shows the lateral to be connected to the main on Maiden Lane but is not possible due to invert problem. At the CMB meeting on 1/18/12, Albert Hoe reported that he had instructed the design team during the design phase to investigate this lateral and make the connection to the sewer main at Maiden Lane. RE was asked to investigate if this could be a possible error and omission by the sewer design. (See Trends #44 and 45) COMPLETE, NO FURTHER ACTION; CMOD #18	CMOD #18 Approved	
1251-0038	01/04/12	082-0038	1	CMB-0064, CMB 0080	Agree	1/04/2012, 10/24/12	+29,273	JCDecaux refused to remove the remaining (2EA) kiosks without being paid for work already completed. The CMB approved on 1/04/12 Task Order No. 35 (Removal of 3EA sidewalk kiosks) as requested for the work already completed. On 10/24/12 the CMB approved Trend #38 removal of the remaining 2EA kiosks; work already completed and paid for as part of the approved CMB 0064 dated 01/04/12 for a total of 5EA kiosks removed. Total work priced at \$29,268. COMPLETE, NO FURTHER ACTION; CMOD #22	CMOD #22 Approved	
1251-0039	01/17/12	082-0039	1				+4,752	Requested by Muni Operation. COMPLETE, NO FURTHER ACTION; CMOD #22	CMOD #22 Approved	
1251-0040	02/15/12	082-0040	6	CMB-0070	Agree	04/11/12	+45,000	AT&T requested SFMTA for Synergy to rebuild manhole 133 at Post/Stockton. COR #64 AT&T agreed to reimburse SFMTA (\$45,000) through the Form B process. COMPLETE, NO FURTHER ACTION; CMOD #14	CMOD #14 Approved	(45,000)
1251-0041	02/15/12	082-0041	6	CMB-0070	Agree	04/11/12	+23,704	AT&T requested SFMTA for Synergy to extend their conduit from vault to vault instead of wye-casting into exiting duct bank. COR #63 AT&T agreed to reimburse SFMTA (\$23,704) through the Form B process. COMPLETE, NO FURTHER ACTION; CMOD #14	CMOD #14 Approved	(23,704)
1251-0042	02/15/12	082-0042	6	CMB-0070	Agree	04/11/12	+31,525	AT&T requested SFMTA for Synergy to extend their conduit from vault to vault instead of wye-casting into exiting duct bank. COR #62 AT&T agreed to reimburse SFMTA (\$31,525) through the Form B process. COMPLETE, NO FURTHER ACTION; CMOD #14	CMOD #14 Approved	(31,525)

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Item #	Date Initiated	Change Description	Change Type	CMB No.	Change Status		Projected Cost Impact +Exposure/(Benefit)	Comments	Contract Modification Number	Utility Reimbursements	
					Approval Action	Approval Date	Actual/Forecast				
1251-0043	02/15/12	082-0043	Force account work for demolition of existing AT&T vaults 113 (Post/Stockton) and 403 (Ellis)	6	CMB-0076	Agree Conditionally	10/03/12	+52,607	Agreed cost shown in Trends 29 and 40 is for installing vaults only. Cost to demo existing vaults is tracked on force account (estimated cost at \$15k each vault). AT&T agreed to reimburse SFMTA (\$52,607) through the Form B process. CMB Agreed contingent on receipt of confirmation letter from AT&T for costs associated with these three trends (CMB 0076 approval - see Trend CN1251 #'s 72 & 80) COMPLETE, NO FURTHER ACTION; CMOD #23	CMOD #23 Approved	(52,607)
1251-0044	02/15/12	082-0044	Install new sewer lateral from Macys West on O'Farrell including plumbing modification inside Macy's building.	3	CMB-0078	Agree	09/12/12	+11,438	Contract plan SW-4 shows an existing lateral to be connected to new main. However, the 8" lateral is too big to be connected directly to the new 14" main necessitating a new connection to the manhole. However, numerous existing utilities were in the way and required installation of a new lateral at a higher elevation. Due to the raised lateral invert, modification to the building is also needed. COMPLETE, NO FURTHER ACTION; CMOD #18	CMOD #18 Approved	
1251-0045	02/15/12	082-0045	Install new 2 each sewer laterals on Stockton between Post and Geary	3	CMB-0078	Agree	09/12/12	+30,260	Contract plan SW-3 shows 2 each existing laterals coming from the Union Square garage to be connected to the new main at approximate sta 128+55. However, the laterals were found to be connected to the downstream end of the existing main (toward Geary), which is called for to be abandoned in 1251 to make room for the future station. (See Trends #37 and 44) COMPLETE, NO FURTHER ACTION; CMOD #18	CMOD #18 Approved	
1251-0046	03/06/12	082-0046	Additional cost for enlarging PG&E vault 584 on O'Farrell east of Stockton	6				+80,000	The two (2) existing PG&E duct banks that were supposed to be intercepted by vault 584 were wider than shown on plan. Vault 584 was needed to be enlarged in order to capture the two (2) ductbanks. PG&E agreed to reimburse SFMTA (\$80,000) through the Form B process. COMPLETE, NO FURTHER ACTION; CMOD #24	CMOD #24 Approved	(80,000)
1251-0047	04/10/12	082-0047	Enlarge Muni Vault 900A on Stockton between Post and Geary	2	CMB-0082	Agree	10/31/12	+15,357	Contract plan JT-301 calls for an intercept vault to capture 2 (E) Muni ductbanks (DB). These DBs were found to be farther apart than shown on plan. The intercept vault needs to be widened. (CMB 0082 approval - see Trend CN1251 #'s 47, 58 & 78) COMPLETE, NO FURTHER ACTION; CMOD #26	CMOD #26 Approved	
1251-0048	04/10/12	082-0048	Additional cost and time for stuck auger during micropile drilling	2					Contractor's hollow stem auger got stuck during drilling of micropile #27C in front of 17 Stockton. Contractor claims differing condition as cause for the stuck auger. Contractor is asking for 1 day compensable time extension. SFMTA is reviewing claim for entitlement. COR #67 RE Denied COR (City Letter 26); however Contractor will most likely send rebuttal. CLOSED; NO FURTHER ACTION.		
1251-0049	04/10/12	082-0049	Additional cost and time for added rebar and coordination with 17-19 Stockton Owner's contractor	2	CMB-0083	Agree	11/07/12	+9,058	Existing footing of One Stockton was found to be recessed from property line. City's response to RFI 171 called for additional rebar to compensate for the gap between back of new enclosure wall and existing footing. Also, the Owner's contractor of 17-19 Stockton asked that Synergy clear his work area so he can pour the primary wall and bring in his new switchgear. Synergy is asking 2 days compensable time extension. (CMB 0083 approval - see Trend CN1251 #'s 53, 59, and 64) COMPLETE, NO FURTHER ACTION	CMOD #27 Approved	
1251-0050	04/10/12	082-0050	Additional cost to install a Type 770 pole foundation at a different location, install 2 each DPT mast arms and demo existing wall in conflict with OCS footing	2	CMB-0074	Agree	08/15/12	+48,898	Type 770 pole foundation at SW 5th/Folsom could not be installed per plan due to a conflict with a cistern. Only solution is to remove an existing pole foundation (recently installed in 1251 as contract work) to make room for the 770 pole foundation. At 5th/Folsom, 2 DPT mast arms (not shown in original plan) need to be installed. At Pole #811, an existing concrete wall is in conflict with pole foundation. (CMB 0074 approval - see Trend CN1251 #'s 67, 74 & 75) COMPLETE, NO FURTHER ACTION; CMOD #20	CMOD #20 Approved	
1251-0051	04/10/12	082-0051	Intercept existing PG&E duct bank and terminate into vault 5464 at Market/Ellis	6				+23,633	PG&E requested to reroute existing duct bank running north out of MH 1803 at 4th/Pioneer Place into MH 5464 at Market/Ellis PG&E agreed to reimburse SFMTA (\$23,633) through the Form B process. COMPLETE, NO FURTHER ACTION; CMOD #24	CMOD #24 Approved	(23,633)
1251-0052	04/10/12	082-0052	Reroute unforeseen existing waterline on Geary east of Stockton	2	CMB-079	Agree	10/10/12	+27,234	An unforeseen existing waterline was found to be in conflict with PG&E vault 573 and needs to be rerouted per City's response to RFI #182. (CMB 0079 approval - see Trend CN1251 #'s 65 & 70). This is potentially a E&O issue due to unforeseen existing waterline on discovered along Geary Street (east of Stockton Street) not shown in the contract drawings. COMPLETE, NO FURTHER ACTION; CMOD #28	CMOD #28 Approved	

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1251-0053	04/10/12	082-0053	Additional cost for premium to accelerate contract work	1	CMB-083	Agree	11/07/12	+10,591	SFMTA directed Synergy to accelerate work to advance PG&E and AT&T cut-over and allow CN 1252 Contractor to start work at UMS COR #74 PG&E agreed to reimburse SFMTA (\$10,590) through the Form B process. 11/07/12 (CMB 0083 approval - see Trend CN1251#'s 49, 59, and 64) COMPLETE, NO FURTHER ACTION; CMOD #27	CMOD #27 Approved	
1251-0054	04/17/12	082-0054	Additional waterproofing at FIDM and north end of Crate & Barrel	2				+8,151	Sidewalk in front of FIDM and north end of Crate & Barrel did not have a sub-sidewalk basement, hence the original plan did not call for waterproofing of the primary wall. While excavating for the joint trench, contractor found the existing waterproofing to be spalling and peeling off from the primary wall. COR #72 COMPLETE, NO FURTHER ACTION; CMOD #22	CMOD #22 Approved	
1251-0055	04/17/12	082-0055	Install Swiveloc lids on all PG&E vaults	6					PG&E requested SFMTA to add this scope to the 1251 contract for safety reason. COR #72 SFMTA decided to defer this work to the 1252 contract. COMPLETE, NO FURTHER ACTION;		
1251-0056	05/31/12	082-0056	Additional work on force account related to sewer installation	2				+45,156	Additional work due to unforeseen and differing conditions during installation of sewer. COMPLETE, NO FURTHER ACTION; CMOD #15	CMOD #15 Approved	
1251-0057	05/31/12	082-0057	Additional work on force account related to water installation and NRG vault demolition	2				+39,599	Additional work due to unforeseen and differing conditions during installation of water and demolish existing NRG vaults that are in conflict with utility installation. COMPLETE, NO FURTHER ACTION; CMOD #16	CMOD #16 Approved	
1251-0058	05/31/12	082-0058	Additional streetlight conduit on 5th Street between Harrison and Bryant	2	CMB-0083	Agree	10/31/12	+17,754	The existing streetlight pullboxes new cables were supposed to be connected to per contract plan did not have power. New conduit needs to be install from the power source. COR #75 (CMB 0082 approval - see Trend CN1251 #'s 47, 76 & 78) COMPLETE, NO FURTHER ACTION; CMOD #25	CMOD #25 Approved	
1251-0059	06/26/12	082-0059	Accelerate contract work at Barney's front	1	CMB-0083	Agree	11/07/12	+16,948	As a result of numerous meetings and complaints by Barneys, it was decided to accelerate contract work in order to restore Barneys sidewalk earlier (CMB 0083 approval - see Trend CN1251 #'s 53, 49, and 64) COMPLETE, NO FURTHER ACTION; CMOD #27	CMOD #27 Approved	
1251-0060	06/26/12	082-0060	Final Bid Item Reconciliation	4				(508,961)	Bid item analysis for entire contract as of 6/12/12.	CMOD #30 Approved	
1251-0061	06/26/12	082-0061	Excavate for PG&E cutover at 177 Stillman	6				+7,424	PG&E requested Synergy to excavate for PG&E cutover at 177 Stillman. Reference document: Email from Michael Lightstone dated 12/9/11 PG&E agreed to reimburse SFMTA (\$7,424) through the Form B process. COMPLETE, NO FURTHER ACTION; CMOD #24	CMOD #24 Approved	(7,424)
1251-0062		082-0062	Additional waterproofing at Macys Men's wall	2				+24,774	Contract did not call for waterproofing at Macys Men's wall. However, when contractor dug for the joint trench, it was found that the existing waterproofing has deteriorated and needed to be replaced. COR# 20 COMPLETE, NO FURTHER ACTION; CMOD #22	CMOD #22 Approved	
1251-0063		082-0063	Excavation and restoration cost for PG&E gas tie-in and kill holes. Part II	6				+56,458	After completion of Part I (see trend 32), PG&E had offered to self-perform the excavation and restoration of the gas tie-in/kill holes because PG&E had crews available to perform the work. However, PG&E no longer have available crews, hence Synergy had to continue and finish excavating and restoring the last tie-in/kill holes. PG&E agreed to reimburse SFMTA (\$56,458) through the Form B process. COMPLETE, NO FURTHER ACTION; CMOD #24	CMOD #24 Approved	(56,458)
1251-0064		082-0064	Accelerate finish and detail work of AT&T and PG&E vaults	1	CMB-0083	Agree	11/07/12	+4,704	In order to expedite turn-over of AT&T and PG&E vaults, SFMTA directed Synergy to accelerate the detailing and finish work of these vaults. SFMTA will pay Synergy premium cost for OT hours. 11/07/12 - (CMB 0083 approval - see Trend CN1251 #'s 53, 59, and 49) COMPLETE, NO FURTHER ACTION; CMOD #27	CMOD #27 Approved	
1251-0065		082-0065	Additional fittings for AWSS lateral and chipping of pole foundation at Market/Ellis	2	CMB-0079	Agree	10/10/12	+20,412	An existing Muni pole foundation is in the way of the AWSS lateral. Additional fittings are required to complete contract work. (CMB 0079 approval - see Trend CN1251 #'s 52 & 70) This is potentially an E & O issue due to an existing Muni pole foundation is in the way of the AWSS lateral. COMPLETE, NO FURTHER ACTION; CMOD #28	CMOD #28 Approved	
1251-0066		082-0066	Intercept PG&E conduits at Vault 573 at Geary east of Stockton	6				+6,466	During installation of PG&E intercept vault 573, PG&E had incorrectly identified the conduits to be intercepted. This error was discovered during cut-over process by PG&E. PG&E agreed to reimburse SFMTA (\$6,466) through the Form B process. COMPLETE, NO FURTHER ACTION; CMOD #24	CMOD #24 Approved	(6,466)

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1251-0067		082-0067	Additional feeder span, no-bo insulator and adjustment of guywire for the Folsom OCS bypass	3	CMB-0074	Agree	08/15/12	+32,149	SFMTA Electrical Designer had pointed out the new Folsom Bypass does not have enough capacity to power the new OCS necessitating installation of feeder spans. Also, adjustments to the guywire are necessary to mitigate conflict with new signal mast arms. COR #76 7/25/12 - RE presented COR to CMB; direction given to develop one CMod with all remaining items to be purchased for the new OCS bypass. (CMB 0074 approval - see Trend CN1251 #'s 50, 74 & 75) COMPLETE, NO FURTHER ACTION; CMOD #20	CMOD #20 Approved	
1251-0068		082-0068	Extended Overhead cost from July 19, 2012 to August 16, 2012	1	CMB-0075	Agree Conditionally	10/03/12	+106,967	Contract is expected to be extended beyond the approved July 18, 2012 completion due to the following reasons: contractor was slowed due to accommodation of AT&T and PG&E cut-over, for example, contractor has to provide windows of time for AT&T to occupy its work space to provide continuity and efficiency for AT&T cut-over, contractor has to advance cleaning and detailing of vaults to turnover to AT&T and PG&E, these work are typically done as punchlist, contractor now has to sequence work and reallocate resources; SFWD cut-over is taking longer than expected; PG&E gas cut-over was delayed due to inability to access Armani building, this delay held up completion of sewer MH, SFWD connection and restoration on O'Farrell east; added change order work, i.e. additional PG&E conduit at vault 573 and additional excavation for AT&T cut-over at 240 Stockton CMB Agreed contingent on receipt of letter confirming e-mail as presented in the meeting and content viewed related to agreement and remaining actions and release of funds. COMPLETE, NO FURTHER ACTION; CMOD #24	CMOD #29 Approved	
1251-0069		082-0069	Removal of abandoned PG&E gas valve (8each) and install anodes	6				+4,737	PG&E asked Synergy to remove all abandoned gas valves (8each) PG&E agreed to reimburse SFMTA (\$4,737) through the Form B process. COMPLETE, NO FURTHER ACTION; CMOD #24	CMOD #24 Approved	(4,737)
1251-0070		082-0070	Core drill primary wall and install interior plumbing at Armani and Disney for the fire service water cutover	2	CMB-0079	Agree	10/10/12	+14,034	Existing fire service inside the building is a thin-wall steel pipe that extends out to the previously existing sub-sidewalk basement. However, 1251 had backfilled the subsidewalk basement per contract, which now made the steel pipe susceptible to corrosion. SFWD does not want to tie-in to the steel pipe due to corrosion issue plus the fact that the pipe is thin walled, which makes welding almost impossible. A ductile iron pipe needs to be installed from the main and into the building. COR #77 (CMB 0079 approval - see Trend CN1251 #'s 52 & 65) COMPLETE, NO FURTHER ACTION; CMOD #28	CMOD #28 Approved	
1251-0071		082-0071	Install a new 8" backflow preventer for the fire service inside Macys Men's building	6					The new water main (installed in the 1251 Contract) is closer to the property line than the existing backflow preventer. State law stipulates that a backflow preventer be installed in between the property's fire suppression system and the water main. The SFWD refuses to make this connection until a proper backflow preventer is installed. SFMTA will insist on Macys to install its own backflow preventer. CLOSED; NO FURTHER ACTION.		
1251-0072	08/08/12	082-0072	Additional AT&T trench from new vault 5829 to existing vault 127 on Geary east of Stockton	6	CMB-0076	Agree	10/03/12	+23,993	AT&T requested new conduits to maintain continuity between the 2 vaults. AT&T agreed to reimburse SFMTA (\$23,993) through the Form B process. RE Tracking work on FAR CMB Agreed contingent on receipt of confirmation letter from AT&T for costs associated with these three trends (CMB 0076 approval - see Trend CN1251 #'s 43 & 80) COMPLETE, NO FURTHER ACTION; CMOD #14	CMOD #14 Approved	(23,993)
1251-0073	08/08/12	082-0073	Additional work to install water and electrical utilities for Flower Stand on Geary west of Stockton	1				+17,966	Contract bid allowance for providing utility services for flower stands (UD-14) had been exhausted during relocation of 2 flower stands. A third and final flower stand is still needed to be relocated. COMPLETE, NO FURTHER ACTION; CMOD #22	CMOD #22 Approved	
1251-0074	08/08/12	082-0074	Traffic Signal modification at 5th/Folsom	1	CMB-0074	Agree	08/15/12	+16,429	Due to installation of OCS bypass on Folsom between 4th and 5th Streets, a left turn signal is required at 5th/Folsom. Additional signal heads and modification to the existing traffic signal is necessary. RE Tracking work on FAR (CMB 0074 approval - see Trend CN1251 #'s 50, 67, & 75 also). COMPLETE, NO FURTHER ACTION; CMOD #20	CMOD #20 Approved	

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1251-0075	08/08/12			Unforeseen conditions related to pole foundation installation for the Folsom OCS Bypass	2	CMB-0074	Agree	08/15/12	+12,568	Contractor encountered unforeseen concrete and brick substructures and abandoned utility lines. RE Tracking work on FAR (CMB 0082 approval - see Trend CN1251#'s 47, 58 & 78) COMPLETE, NO FURTHER ACTION; CMOD #20	CMOD #20 Approved	
1251-0076	08/08/12			Adjustment to OCS on Mason Street	2/3	CMB-0082	Agree	10/31/12	+14,988	Modify bracket arm at existing Pole #511 to alleviate tension load and bending of pole. Realign trolley wire on Mason between Geary and Eddy to smoothen transition when shifting from right lane to left lane. Also, add intermediate guywire to prevent excessive sagging of bracket arms at various locations. RE Tracking work on FAR (CMB 0082 approval - see Trend CN1251#'s 47, 58 & 78) COMPLETE, NO FURTHER ACTION; CMOD #26	CMOD #26 Approved	
1251-0077	09/12/12			Additional work related to Qwest, TCG and UCCO facilities	2	CMB-0081	Agree Conditionally	10/31/12	+37,181	Qwest, TCG and UCCO requested Synergy to tie-in their existing conduits into the new vaults that Synergy installed per contract. The utility companies are responsible for connecting existing conduits into new vaults, therefore, this request is considered extra work. Private Utilities companies agreed to reimburse SFMTA (\$37,181) through the Form B process. RE Tracking work on FAR CMB agreement contingent upon CMod package to include evidence from all utilities that cost are reimbursable to SFMTA through the Form B process. COMPLETE, NO FURTHER ACTION; CMOD #25	CMOD #25 Approved	(37,181)
1251-0078	09/12/12			Unforeseen conditions encountered during excavation and installation of OCS poles along Mason and 5th Streets.	2	CMB-0082	Agree	10/31/12	+27,645	Several obstructions, i.e. buried concrete, boulders, brick, abandoned utilities were discovered during excavation and installation of OCS poles along Mason and 5th Street. RE Tracking work on FAR (CMB 0082 approval - see Trend CN1251 #'s 47, 58 & 76) COMPLETE, NO FURTHER ACTION; CMOD #26	CMOD #26 Approved	
1251-0079	09/12/12			Additional work related to installation of PG&E Vaults 467, 571, 573, 586 and 594 including joint trench leading to these vaults	2				+44,530	Unforeseen conditions were encountered during installation of select PG&E vaults including joint trenches leading to these vaults. PG&E agreed to reimburse SFMTA (\$44,530) through the Form B process. RE Tracking work on FAR COMPLETE, NO FURTHER ACTION; CMOD #24	CMOD #24 Approved	(44,530)
1251-0080	09/12/12			Additional work related to installation of AT&T Vaults 5828, 5829, 5830, 5831, 5832 and 5833 including joint trench leading to these vaults	2	CMB-0076	Agree	10/03/12	+56,806	Unforeseen conditions were encountered during installation of select AT&T vaults including joint trenches leading to these vaults. AT&T agreed to reimburse SFMTA (\$56,805) through the Form B process. CMB Agreed contingent on receipt of confirmation letter from AT&T for costs associated with these three trends (CMB 0076 approval - see Trend CN1251 #'s 43 & 72) COMPLETE, NO FURTHER ACTION; CMOD #23	CMOD #23 Approved	(56,806)
1251-0081	09/13/12			PG&E concrete cover versus CDF on electrical duct bank	6	CMB-0107	Agree	02/13/13	+43,882	Contract Plan JT-014 calls for CDF cover on PG&E duct bank. However, PG&E requested to use regular concrete due to heat dissipation problem with CDF. PG&E agreed to reimburse SFMTA (\$43,881) through the Form B process. 12/19/12 - Presented to CMB, direction given to finalize cost and obtain a Form B agreement with PG&E 02/13/13 - Revised CMod presented to CMB. PG&E agreed with negotiated reimbursement amount. COMPLETE, NO FURTHER ACTION	CMOD #24 Approved	(43,882)
Contract 1251 Totals									+3,962,032	Total Changes to the contract in the amount of 3,962,032 represents an UNDERRUN of allocated contingency in the amount of \$1,405,265.32. Changes that will be Utility Reimbursement credits through the Form B process in the amount of \$1,224,828 will increase the UNDERRUN. Final Contract Closeout Total \$20,794,581 will be reduce by \$7,618,112 Utility Reimbursement credits for a Final Program cost of \$13,176,469 for CN 1251		(1,224,828)
Contract 1252		COR No.	PCC No.	1252 Change Description	Change Type	CMB Change No.	Configuration Management Board Agree/Disagree	Decision Date	Actual/Forecast	Comments	Contract Modification No.	

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1252-0001	04/23/12	1	AWSS Conflict w/ Low Pressure Water	6	CMB-0091	Agree to Merit Agree to Cost	10/10/12 01/16/13	+16,907	AWSS contract work was made more difficult by the proximity of a water line which was closer than indicated on UT-501. See COR 008 for TIA request. 10/10/12 - Merit info presented to CMB - Agreed 01/16/13 - CMB - NOT TO EXCEED Amount \$16,900	CMOD #17	
1252-0002	04/23/12	2	AWSS Add. Tie-Rods 4th-Harrison	6	CMB-0086	Agree to Merit Agree to Cost	10/10/12 12/19/12	+58,000	The AWSS line must be restrained a certain distance beyond the 90 degree elbow we are installing under contract 1252. The 1252 contract work includes excavating on both sides of this 12-foot portion of pipe. Additional work scope (per Michael Smith @ DPW): Station 162+80 to 162+90 - Restrain the existing 12-inch tee to the existing pipe north of the tee. Restrain any other joints that are not restrained on the existing pipe up to the new pipe to be installed. 10/10/12 - Merit info presented to CMB - Agreed 12/19/12 - CMB - NOT TO EXCEED Amount \$58,000	CMOD #17	
1252-0003	04/23/12	3	AT&T Vault Conflict-4th & Harrison	6	CMB-0092	Agree to Merit Agree to Cost	10/10/12 01/16/13	+16,015	After excavation of the roadway surface and subgrade at Fourth and Harrison streets an AT&T vault was discovered to be in conflict with the current alignment of the 42" RCP sewer main. Verbal authorization was given by an At&T representative to make modifications to the vault. COR 003 has been submitted by BIH in response to this issue. Work is to be charged via SFMTA Form B agreement to AT&T. 10/10/12 - Merit info presented to CMB - Agreed 01/16/13 - CMB - NOT TO EXCEED Amount \$21,089	CMOD #17	(16,015)
1252-0004	05/18/12	6	PG&E live electrical delays	6	CMB-0088	Agree to Merit Agree to Cost	11/28/12 1/9/2013	+7,402	PG&E lines indicated on contract drawing UD-502 thru 504 were to be abandoned yet were not yet abandoned when BIH started work. They were abandoned on 5/21. 11/28/12 - Merit info presented to CMB - Agreed 01/09/13 - CMB - NOT TO EXCEED Amount \$7,600	CMOD #10	
1252-0005	06/06/12	7	Oil filled pipe @ Launch Box	2	CMB-0093	Agree to Merit Agree to Cost	1/16/13 1/16/13	+9,980	Synergy Demo Crew exposed an existing 6" steel line which had oil in it on the West side of 4th St between Harrison and Bryant. 01/16/13 - Merit info presented to CMB - Agreed 01/16/13 - CMB - NOT TO EXCEED Amount \$10,000	CMOD #5 Approved	
1252-0006	04/23/12	8	TIA - Associated w/ COR 001, COR 002, and COR 003	6		Agree to Merit	10/10/12	+269,904	TIA and Overhead Costs related to COR 001, 002 and 003. 10/10/12 - Merit info associated w/COR's 001, 002 & 003 presented to CMB - Agreed.	CMOD #17	
1252-0007	06/12/12	9	MOS - Live Utilities: PGE, AT&T, and SFWD 8" Water Line extra kill hole location	2		Agree to Merit	11/14/12	-0-	Live PG&E Electrical Lines Conflict: BIH was notified that PG&E had live electrical lines running through each headwall work zone @ Moscone station. 8 inch Low Pressure Water Line Conflict: Contract drawings show this utility to be abandoned and capped prior to work. Synergy struck and damaged the water line. SFWD directed Synergy to excavate a kill hole so they could properly abandon the line. 11/04/12 - COR Evaluation for Merit presented to CMB.		
1252-0008	06/19/12	10	MOS - Demo PGE duct bank / SF City 911 fiber optic line	2	CMB-0094	Agree to Merit Agree to Cost	10/10/12 01/16/13	+4,916	Upon excavation of the MOS north headwall, BIH's subcontractor Synergy Project Management (SPM) uncovered a PG&E duct bank that contained a live San Francisco 911 fiber optic line. 11/14/12 - Presented to CMB. The narrative will be rewritten CMB agrees with partial merit labor work involved in supporting the utility agencies. This item will be brought back to the CMB for approval. 01/09/13 - CMB - NOT TO EXCEED Amount 4,919.54	CMOD #3 Approved	
1252-0009	07/02/12	11	MOS - Traffic Signal line re-route south headwall	6	CMB-0095	Agree to Merit Agree to Cost	1/16/13	+37,500	After potholing Synergy discovered several traffic lines which were in the proposed location of the south MOS headwall. Traffic Lines re-routed. 01/16/13 - CMB - NOT TO EXCEED Amount \$37,500	CMOD #19	
1252-0010	01/00/00	12	MOS - Archaeological Standby North Headwall	2	CMB-0096	Agree to Merit Agree to Cost	12/11/12 01/16/13	+16,892	Upon excavation of the MOS north headwall, BIH's subcontractor Synergy Project Management (SPM) uncovered a layer of "Midden" or Native American debris. 12/11/12 - Merit info presented to CMB - Agreed 01/16/13 - CMB - NOT TO EXCEED Amount \$7,600	CMOD #6 Approved	
1252-0011	07/06/12	13	MOS - SL conduit from PG&E vault @ north headwall	6		Agree to Merit	11/28/12	+10,903	Permanent power is required to supply an existing Street Light box north of the MOS N headwall. 11/28/12 - Merit info presented to CMB - Agreed		

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1252-0012	06/26/12	15	LB - Pre-Excavation for Slurry Walls	2	CMB-0087	Agree to Merit Agree to Cost	11/28/12 12/19/12	+96,000	Pre-excavation of slurry wall panels due to CDF encased sewer line. The concrete encasement was found by the Contractor to extend to a depth of 9'-11' below the top of guide wall or street surface. The 8" VCP sewer main and concrete encasement was incorrectly shown in the contract drawings to be approximately 4'-5' below the street surface. 11/28/12 - Merit info presented to CMB - Agreed 12/19/12 - CMB - NOT TO EXCEED Amount \$96,000	CMOD #22	
1252-0013	07/02/12	17	MOS - Standby Time @ south headwall due to live TS lines	6		Agree to Merit	11/21/12	-0-	Standby delays related to the discovery of traffic lines within the proposed location of the south MOS headwall. 11/14/12 - COR presented to CMB. CMB requested additional revisions to the evaluation. CMB agrees with partial merit. The COR will be brought back to the CMB for approval. 11/21/12 - COR revisited at mtg for clarification the issue is related to CMB action from item 3 -7/25/12 (Mtg #88) specifically acted on 08/01/12 (CMB Mtg. 89) referred originally as Trend #15.	CMOD #19	
1252-0014	Closed	19	UMS - Grant street 2 way conversion (e- & striping)	7					In order to implement a full street closure for Stockton Street at the UMS location the DPT recommended that Grant Street be converted from an existing one-way street to a two way street for vehicular traffic. Closed - Work is done. 07/18/12 - This potential change was brought before the CMB. Board's decision to have DPT perform the work. CLOSED; NO FUTHER ACTION		
1252-0015	06/22/12	20	PROJECT WIDE - Utility Demo limit reduction credit	5					BIH's subcontractor Synergy Project Management (SPM) would like to minimize the limits of utility demo at the Launch Box, Moscone station, UMS station and TBM Retrieval Shaft locations. Closed - SFMTA to BIH/SPM "Build per Plan".		
1252-0016	04/02/12	21	UMS - Reduced Duration	5	CMB-0073	Agree Cost (Conditionally)	08/01/12	-0-	No cost change for acceleration of utility relocation, ground improvements (jet grouting), and headwall construction at Union Square/Market Street Station. 08/01/12 - CMB approval condition upon incorporating correctness to backup documentation as required by & documented in CMB mtg. RE to prepare modification.	CMOD #8	
1252-0017	07/10/12	22	MOS - Asbestos Pipe at north headwall	2	CMB-0090	Agree to Merit Agree to Cost	12/12/12 01/09/13	+5,705	Upon excavation of the MOS north headwall, BIH's subcontractor Synergy Project Management (SPM) uncovered fryable asbestos-laden transite pipe. 12/12/12 - Merit info presented to CMB - Agreed 01/09/13 - CMB - NOT TO EXCEED Amount \$6,000	CMOD #5 Approved	
1252-0018	07/10/12	23	MOS - Brick Wall #2 discovered @ north headwall	2		Agree to Merit	12/06/12	-0-	Upon excavation of the MOS north headwall, BIH's subcontractor Synergy Project Management (SPM) uncovered a buried wall. 11/14/12 COR presented to CMB. Evaluation for merit will be rewritten and brought back to CMB for approval. 11/21/12 - Merit info presented to CMB - Agreed		
1252-0019	08/10/12	26	MOS - Asbestos Pipe at south headwall	2	CMB-0085	Agree to Merit Agree to Cost	12/12/12 01/09/13	+30,000	Transite pipe was discovered during MOS south headwall excavation. 12/12/12 - Merit info presented to CMB - Agreed 01/09/13 CMB - NOT TO EXCEED Amount \$30,000	CMOD #16	
1252-0020	08/10/12	27	MOS - Oil filled pipe at south headwall	2	CMB-0089	Agree to Merit Agree to Cost	12/12/12 01/09/13	+8,226	A pipe containing oil was discovered during MOS south headwall excavation. 12/12/12 - Merit info presented to CMB - Agreed 01/09/13 CMB - NOT TO EXCEED Amount \$8,600	CMOD #5 Approved	
1252-0021	01/00/00	29	MOS - Todco scaffolding reimbursement	2	CMB-0097	Agree to Merit Agree to Cost	12/12/12 01/16/13	+1,718	1252 contract work requires the removal of scaffolding erected by Fine Line Construction, the contractor performing renovations on the Woolf House. 12/12/12 - Merit info presented to CMB - Agreed 01/09/13 - CMB - NOT TO EXCEED Amount \$1,717	CMOD #3 Approved	
1252-0022	Closed	closed	Disputed Work Items - NTP2 vs. NTP3	7				-0-	BIH interpretation of Special Provisions SP-3 NTP2 description includes activities that SFMTA interprets to be within NTP3. These activities include: Ellis Street and Green Street shafts and associated compensation grouting, MOS headwalls and jet grouting, jet grouting at crosspassage 5, UMS head walls and jet grouting, OCS removal along Stockton Street from Geary to Ellis, and the TBM retrieval shaft. On April 13, SFMTA released the MOS headwalls and jet grouting, jet grouting at crosspassage 5, UMS jet grouting, OCS removal along Stockton Street from Geary to Ellis, and preparatory and utility work necessary for the construction of the retrieval shaft.		

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1252-0023	05/30/12	4	Manhole in east guidewall footprint	2				-0-	While performing excavation for the east side guidewalls at the TBM Launch Box, BIH's subcontractor CJA-NCC encountered a manhole near the bottom of the excavation which was unexpected. BIH has stated that removal of the manhole prior to the installation of the guidewalls was necessary to ensure the successful installation of the slurry walls.		
1252-0024	Closed	closed	2" gas line inside 16" casing	2				-0-	While performing excavation for the Sewer and AWSS trench at the intersection of Fourth and Harrison streets, BIHJV's subcontractor Synergy encountered what was identified to be a 16" depressurized gas main. This gas main contained a 2" gas line which is shown on contract drawing UD-502 to be abandoned/removed.		
1252-0025	04/23/12	5	CDF Encasement on 42" RCP	2				+140,596	While performing excavation for the east side guidewalls at the TBM Launch Box, BIH's subcontractor CJA/NCC encountered a CDF backfill at the existing 42" RCP sewer which reportedly had a significantly higher compressive strength than the 50-150 psi. which was anticipated. BIH claims that the CDF conflicted with the construction of the guidewalls and it could not be excavated by conventional means.		
1252-0026	Closed	closed	Damage to Live LPW main at 4th and Folsom	2				-0-	Synergy Demo Crew hit a blow-off valve on the 8" water line at the Southwest corner of the MOS headwalls. SFWD is to install a permanent cap per contract drawing WD-404.		
1252-0027	Closed	14	MOS - 76 Gas Station fencing	1					SFMTA requested BIH to install fencing around the perimeter of the 76 gas station at 4th and Folsom St. Issue closed, cost of fence paid by BIH in return for use of gas station lot. CMB - Temporary use of 800 Folsom Street site for construction staging. Use of this site would be a tradeoff between SFMTA and BIH. The Contractor would maintain the sites security and up-keep in exchange for not billing.		
1252-0028	Closed	16	LB - SPTC delays due to concrete encased 8" sewer	2					Closed. Combined with COR 015. 07/25/12 - Verbal information presented to CMB as a potential change.		
1252-0029	08/06/12	18	MOS - South Headwall re-design	1				-0-	Costs related to leave end stops in place and a "T-Section" at the Moscone headwalls return walls. 11/14/12 - Presented to CMB. RE is recommending a possible compensation value of \$135K. CMB agrees with partial merit for labor and material cost of this COR. RE will proceed with scoping the work.		
1252-0030	08/02/12	24	Ellis - Utility demolition	3		Agree to Merit	12/06/12	+38,678	BIH says that no utilities were shown at Ellis; however, Reference Drawing UE-126 shows utilities. 12/06/12 - Merit info presented to CMB - Agreed		
1252-0031	Closed	25	Crack Gauges	4				-0-	BIH disagrees with SFMTA on the total number of crack gauges to be installed on the project. Per the contract drawings a total of 926 crack gauges are to be installed. BIH claims that a total of 50 are to be installed.		
1252-0032	08/07/12	28	Ellis asbestos abatement	2		Agree to Merit	12/06/12	+35,386	A steam line containing asbestos was discovered during potholing at the Ellis Street Shaft. 12/06/12 - Merit info presented to CMB - Agreed	CMOD #16	
1252-0033	-	30	LB - Class 1 Hazardous Material Hauloff	2				-0-	BIH trucking costs for Class 1 haul off. Also see COR 054 regarding Class 1 Haz material haul off for Phase 2. Cost to be reimbursed by "ES-8". Additional costs hazardous waste allowances.		
1252-0034	-	70	LB - Jet Grout Quantity Overrun	4				+768,600	The contract drawings call for the contractor to determine the extent of jet grouting at the launch box. BIH's jet grout quantities are projected to overrun the prescribed bid quantity by up to 40 percent.		
1252-0035	01/00/00	unsubmitted	Utility Removal UD-304 and UD-503	6				TBD	RFI 00134 asks whether certain utilities indicated on drawings UD-304 (On Stockton inside limits of future UMS Station) and on UD-503 (On Fourth and Stillman Streets outside limits of Launch Box) may be left in place. Answer: "Confirmed, the utilities in question can be abandoned in place and are not required to be removed. The Engineer will seek an adjustment to Bid Item GB-3 for the elimination of this work."		
1252-0036	05/17/12	35	Additional Road Base on Fourth Street	2				-0-	BIH's subcontractor Synergy Project Management (SPM) discovered what they believe to be an additional layer of road base under the existing asphalt and road base layer while performing roadway demo work along the west side of Fourth street between Harrison and Bryant St. The additional layer is estimated by BIH/SPM to be approximately 8" - 12" thick. 12/06/12 - Evaluation of merit presented to CMB - Agreed No Merit for this change.		

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1252-0037	01/00/00	unsubmitted	DPW permitting potential impacts	7				TBD	DPW Permitting issue to cause potential impacts. DPW is not issuing BIH permits for excavating the MOS headwalls, jet grouting at the LB, and excavating support at the LB, as they claim to have not been able to conduct a thorough review of the project's design documents and were not included in the design process. BIH may be required to re-sequence and stand many other potential impacts w/o said permits.		
1252-0038	05/30/12	38	Manhole in West Guidewall Footprint	3	CMB-0101	Agree to Merit Agree to Cost	12/05/12 01/23/13	+3,821	While performing excavation for the west side guidewalls at the TBM Launch Box, BIH's subcontractor CJA-NCC unexpectedly encountered a manhole foundation within the excavation at approximate station 165+70. It was necessary to chip away a portion of the existing manhole to gain the necessary clearance to construct the west slurry wall. 12/05/12 - CMB agreed with Evaluation of Merit 01/23/13 - CMB - NOT TO EXCEED Amount \$4,052.17	CMOD #12	
1252-0039	01/00/00	unsubmitted	Panel W-33 Obstruction	2				TBD	While performing excavation for the slurry walls at the TBM Launch Box, BIH's subcontractor CJA-NCC unexpectedly encountered buried (wood pile?) debris located approximately 12 feet below the guide wall within Launch Box Diaphragm Wall Panel W-33. This trend is being tracked separately from Trend 20 because we believe it may be a different structure. BIH has not provided adequate information substantiating the merging of the two trends.		
1252-0040	08/23/12		1 PCC No.1 - Revisions to Moscone North Headwall Elevation (Top)	1	CMB-0099	Agree to Cost	1/16/2013	+20,358	SFMTA initiated change to revise headwall elevations to facilitate a change in the roof elevation of MOS station. 01/16/13 CMB - NOT TO EXCEED Amount \$20,500	CMOD #7 Approved	
1252-0041	08/23/12		2 PCC No. 2 - Revisions to UMS Headwall Concrete and Reinforcement Limits	1				-0-	SFMTA initiated change to revise UMS headwall concrete and reinforcement limits to provide a cost savings. 08/29/12 - Revised PCC presented.		
1252-0042	08/24/12	31	Retrieval Shaft - Unmarked 12" Steel Pipe	2	CMB-0108	Agree to Merit Agree to Cost	1/2/2013 02/27/13	+1,200	While performing excavation for the joint trench at the retrieval shaft BIH's subcontractor Synergy Project Management (SPM) discovered an abandoned 12" dia. steel pipe which appears to run continuously under Columbus Ave. 01/02/13 - Merit info presented to CMB - Agreed 2/27/13 - Cost presented to CMB - agreed to NTE \$1,250	CMOD #14	
1252-0043	08/31/12	32	LB - Panel W29 Wood Pile	2		Agree to Merit	11/28/12	+81,000	While performing excavation for the slurry walls at the TBM Launch Box, BIH's subcontractor CJA-NCC unexpectedly encountered what appeared to be a wood pile within Launch Box Diaphragm Wall Panel W-29. 11/28/12 - Merit info presented to CMB - Agreed	CMOD #20	
1252-0044	09/04/12	33	0 Ret Shaft - 20" Water Line Conflict	2		Agree to Merit	11/14/12	-0-	During excavation for the joint trench at the retrieval shaft SPM discovered that the MRY Duct Bank is directly above an active 20" low pressure waterline. As a result the work at the Retrieval Shaft must reportedly be altered. 11/14/12 - Presented to CMB, the CMB agrees with some merit of this COR, element of change not defined clearly. RE will proceed with scoping the work.		
1252-0045	09/11/12	34	0 LB - Panel W28 Wood Pile	2				+81,000	While performing excavation for the slurry walls at the TBM Launch Box, BIH's subcontractor CJA-NCC unexpectedly encountered what appeared to be a wood pile within Launch Box Diaphragm Wall Panel W-28.		
1252-0046	01/00/00	36	0 MOS - Catch Basin @ south headwall	3				-0-	A catch basin on the NW corner of 4th and Folsom interfered with the construction of the MOS Headwalls. Removal of the catch basin was needed in order for the headwalls to be built. BIH claims the catch basin was not shown in the contract drawings. Closed due to improper notification.		
1252-0047	01/00/00	37	UMS - 12" steel pipe removal	3				-0-	A 12" steel pipe at the north UMS headwall location interfered with the demolition of other existing UMS utilities. BIH claims the steel pipe was not shown in the contract drawings. Closed due to improper notification.		
1252-0048	09/07/12	39	MOS - 16" Steel Pipe removal @ northeast headwall	3	CMB-0102	Agree to Cost	01/23/13	+2,952	SPM removed an unmarked 16" steel pipe from the excavation of the NE MOS Headwall. Construction of the MOS headwall could not commence without this utility being removed. BIH claims the 16" steel pipe was not shown in the contract drawings.	CMOD #15	
1252-0049	01/00/00	40	MOS - Extra Road Base @ northeast headwall	2				-0- +	BIH's subcontractor Synergy Project Management (SPM) discovered what they believe to be an additional layer of road base under the existing asphalt at the NE MOS headwall location. The road base in this location was approx. 20" thick on a patch that was roughly 25' x 25'. Closed due to improper notification.		

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1252-0050	05/18/12	41	LB - Impacts due to live PG&E electrical lines (Synergy)	6	CMB-0098	Agree to Merit Agree to Cost	01/16/13	+1,217	Based on direction from the SFMTA, Synergy provided a full time flagger for one night shift of work @ the intersection of I-80 off-ramp near 4th/Bryant streets in order to assist PGE while they performed the abandoning of the existing live PGE electrical at the Launch Box location which was shown to be dead in the contract drawings. 01/13/13 - CMB agreed with Evaluation of Merit 01/16/13 CMB - NOT TO EXCEED Amount \$1,245	CMOD #10	
1252-0051	01/00/00	executed	Contract Amendment No. 2	1				(3,040,713)	0	CMOD #2 Approved	
1252-0052	08/17/12	42	LB - Panel W25 Wood Pile	2		Agree to Merit	11/28/12	+116,785	While performing excavation for the slurry walls at the TBM Launch Box, BIH's subcontractor CJA-NCC unexpectedly encountered an obstruction within Launch Box Diaphragm Wall Panel W-25. 11/28/12 - CMB agreed with Evaluation of Merit	CMOD #20	
1252-0053	08/22/12	43	LB - Panel W30 Wood Pile	2		Agree to Merit	11/28/12	+47,185	While performing excavation for the slurry walls at the TBM Launch Box, BIH's subcontractor CJA-NCC unexpectedly encountered an obstruction within Launch Box Diaphragm Wall Panel W-30. 11/28/12 - CMB agreed with Evaluation of Merit	CMOD #20	
1252-0054	09/19/12	44	MOS - 16" steel pipe removal @ southeast headwall	3	CMB-0109	Agree to Merit Agree to Cost	12/06/12 02/27/13	+1,600	SPM removed an unmarked 16" steel pipe from the excavation of the NE MOS Headwall. Construction of the MOS headwall could not commence without this utility being removed. BIH claims the 16" steel pipe was not shown in the contract drawings. 12/06/12 - CMB agreed with Evaluation of Merit 2/27/13 - Cost presented to CMB - agreed to NTE \$1,800	CMOD #15	
1252-0055	06/09/12	45	Ret Shaft - Credit for reduced AT&T conduits	6				(331)	Credit to install 2 less conduits in the AT&T infrastructure at the Retrieval Shaft Joint Trench. The conduit notes on page JT-701 of the contract documents require 8 EA 4" conduits as laid out on the AT&T line. The reduced materials would result in 6 EA 4" conduits as a result.		(331)
1252-0056	09/25/12	46	UMS - Unmarked steel pipes (6", 12", 14") / Duct Bank	6	CMB-0103	Agree to Merit Agree to Cost	12/06/12 1/23/2013	7475.28	While performing excavation for the utility demolition at the south UMS headwall BIH/Synergy discovered a 6" dia. steel pipe, 16" dia. steel pipe, 18" dia. steel pipe, and a concrete duct bank. BIH claims the utilities were not shown in the contract drawings. 12/206/12 - CMB agreed with Evaluation of Merit 01/23/13 - CMB - NOT TO EXCEED Amount \$7,461	CMOD #18	
1252-0057	09/25/12	47	Ret Shaft - unmarked 10" steel pipe/duct bank	6	CMB-0104	Agree to Merit Agree to Cost	12/06/12 01/23/13	+2,108	Synergy Project Management (SPM), discovered an abandoned duct bank and 10" steel pipe which traveled underneath Columbus Avenue between Powell and Union Streets. Removal of the duct bank was necessary to complete the construction of the 36" RCP sewer main relocation work in this area. The status of the removal of the steel pipe is uncertain and may have not been necessary for the sewer main relocation. 12/06/12 - CMB agreed with Evaluation of Merit 01/23/13 - CMB Not to Exceed \$2,201	CMOD #14	
1252-0058	09/28/12	48	UMS - 3'x5' brick sewer at south headwall	6	CMB-0114	Agree to Merit Agree to Cost	12/06/12 03/13/13	+15,115	Synergy Project Management (SPM), discovered a brick sewer within the utility demolition limits at the UMS South headwall. The sewer encountered was larger than the 12" pipe which was shown in the contract drawings. Removal and disposal of the sewer commenced on September 26th and was completed by September 28th. Removal of the sewer was necessary for headwall construction. 12/06/12 - CMB agreed with Evaluation of Merit 03/13/13 - CMB Not to Exceed \$12,474.65 - Comparison sheet to be updated with comments supporting negotiations to justify analysis and record of negotiations.	CMOD #18	
1252-0059	01/00/00	49	Ret Shaft - Tree trimming debris haul off	7				-0-	Synergy Project Management (SPM), was requested by the SFMTA to remove and dispose of debris near the Northeast corner of Columbus Avenue and Union Street. The debris resulted from tree trimming activities performed by MUNI operations. CLOSED; NO FURTHER ACTION.		
1252-0060	10/10/12	50	Ret Shaft - 12" steel pipe removal at Union/Columbus	6	CMB-0110	Agree to Merit Agree to Cost	12/12/12 02/27/13	+2,200	On October 4th 2012, the Contractor discovered and removed a 12" steel pipe at the intersection of Union Street and Columbus Avenue. Removal and disposal of the steel pipe was necessary in order to complete the proposed sewer re-location work near the Retrieval Shaft. Sewer work included the construction of a manhole which had been positioned in the field to avoid an existing MUNI duct bank.	CMOD #14	
1252-0061	10/11/12	51	Ret Shaft - Elevation design conflict (30" low psi water / sewer)	3		Agree to Merit	03/13/13	+26,000	03/13/13 - Merit info presented to CMB - Agreed		

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1252-0062	09/07/12	53	Chinatown - Night drilling for instrumentation	7				-0-	Closed.		
1252-0063	-	54	LB Class 2 Hazardous Material Haul Off (Phase 2)	2				-0-	Cost to be reimbursed by "ES-8". Additional costs hazardous waste allowances.		
1252-0064	10/10/12		PCC No. 4 - Ret shaft sewer pipe material change	1				-0-	Change approximately 65 ft. of pipe for sewer bypass around the TBM Retrieval Shaft from 3' X 5' oval glass fiber reinforced pipe to a 48-inch (OD) HDPE SD-17 pipe with casing insulator placed inside a 54-inch diameter, 1/2-inch thick steel casing pipe. In addition, delete permanent sheet pile wall that was to have been placed along the west side of the trench to facilitate future maintenance access to the sewer along the shaft.		
1252-0065	12/18/12	57	PCC No. 8 - UMS - Tree Removal	1				-0-	SFMTA is directing removal of a tree at at the northeast corner of Stockton and O'Farrell St. CLOSED; NO FURTHER ACTION.		
1252-0066	10/10/12		PCC No. 5 - Ret Shaft Water Dist. Pipe Material Change	1				-0-	Change material type of approximately 188 linear feet of 20-inch water line and approximately 125 linear feet of 30-inch water line from Welded Steel Pipe (WSP) to Ductile Iron Pipe (DIP) with TR-Flex joints. Install 6-inch thick concrete cap over 20-inch water line where cover is less than 24 inches..		
1252-0067	10/26/12	58	Ret Shaft - Additional 10" steel pipe removal	6	CMB-0111	Agree to Merit Agree to Cost	12/12/12 02/27/13	+700	Work is a continuation of work performed in COR 047. 12/12/12 - CMB agreed with Evaluation of Merit 2/27/13 - Cost presented to CMB - Agreed to NTE \$860.85	CMOD #14	
1252-0068	10/10/12		PCC No. 3 - General Detour Signage	1	CMB-0112	Agree to Cost	02/27/13	+6,153	Full closure of Stockton Street at Union Square was not anticipated under the 1252 Contract. The implementation of detour signage associated with the full closure of Stockton Street was to occur under the 1300 Contract. After the award of the 1252 Contract it was decided that a full closure of Stockton could be implemented to help reduce the headwall construction durations. As a result of the full closure the City Traffic Engineer has requested that a portion of the 1300 detour signs be installed now under the 1252 Contract to help alleviate traffic congestion and provide better detour signage around Union Square. 10/03/12 - PCC presented to CMB. CMB directed the RE to get a price quote from DPT do the work as a price comparison. This item will be brought back to the CMB at a later date. 11/14/12 - PCC presented to CMB. The CMB did not agree that Central Subway needed to take the lead on implementing detour signage, but suggested that the RE study the traffic activity and at the end of implement additional instrumentation of BART tunnel lining: (A) Existing bolt preload force – Determine the actual load in 12 bolts. (B) Bolt force sensor – Install 12 bolt force sensors at bolts for a total of 24 bolts. (C) Rail movement under dyNamic train loading – Install dyNamic strain gauges (2 per rail, 8 per tunnel).		
1252-0069	11/08/12		PCC No. 6 - Supplemental instrumentation of BART tunnel lining.	1				+657,884			
1252-0070	01/00/00	unsubmitted	Full Closure of 4th Street	1				TBD	SFMTA allowed full closure of 4th Street in order to facilitate construction of Launch Box Slurry Wall Construction Week Ending 11/04/12 - 11/11/12.		
1252-0071	11/07/12	61	LB - Panel P-17 Buried Obstruction	2		Agree to Merit	01/02/13	+1,473	CJA-NCC discovered an unmarked buried water main at Panel P-17, approximately 6' below the guidewall at CTL Station 165+52, while performing slurry diaphragm wall excavation. 01/02/13 - CMB agreed with Evaluation of Merit.	CMOD #21	
1252-0072	11/14/12	62	LB – Panel P-9 Buried Obstruction	2		Agree to Merit	01/23/13	+150,000	CJA-NCC discovered a buried obstruction while excavating slurry diaphragm wall panel P-9 at the Launch Box location. 01/02/13 - Presented to CMB for merit, CMB did not agree. CMB suggested inspector's daily tags as backup or reference the tag numbers in the write-up when force account work is involved. 01/23/13 - Revised write up presented CMB agreed with Evaluation of Merit.	CMOD #21	
1252-0074	11/16/12	65	LB – Panel P-12 Buried Obstruction	2		Agree to Merit	01/23/13	+150,000	CJA-NCC discovered a buried obstruction (water main) while excavating slurry diaphragm wall panel P-12 at the Launch Box location. 01/02/13 - Presented to CMB for merit, CMB did not agree. CMB suggested inspector's daily tags as backup or reference the tag numbers in the write-up when force account work is involved. 01/23/13 - Revised write up presented CMB agreed with Evaluation of Merit.	CMOD #21	
1252-0075	11/19/12	66	Retrieval Shaft - Unmarked 12" Steel Pipe	2		Agree to Merit	01/23/13	+3,700	While performing excavation for the joint trench at the retrieval shaft BIH's subcontractor Synergy Project Management (SPM) discovered an abandoned 12" dia. steel pipe which appears to be a Low Pressure Water Main. 01/23/13 - Merit info presented to CMB - Agreed 2/27/13 - Cost presented to CMB - Agreed to NTE \$3,800	CMOD #14	

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1252-0076	11/19/12	67	LB - Panel P-10 Buried Obstruction	2		Agree to Merit	01/23/13	+18,000	CJA-NCC discovered a buried obstruction or concrete encased clay sewer pipe, approximately 7' below the top of the guide wall while excavating slurry diaphragm wall panel P-10 at the Launch Box location. 01/02/13 - Presented to CMB for merit, CMB did not agree. CMB suggested inspector's daily tags as backup be attached or reference the tag numbers in the write-up when force account work is involved. 01/23/13 - Merit info presented to CMB - Agreed	CMOD #21	
1252-0077	12/21/12	7	PCC No. 7 Bart Temporary Annex Wall	1	CMB-0106	Agree to Cost	1/30/2013	+15,500	SFMTA is requesting Contractor construct temporary wall for Bart Annex for SFMTA use. 01/30/13 - CMB - NOT TO EXCEED Amount \$15,380	CMOD #11	
1252-0078	12/28/12	PCC 9, FA CO 1	UMS Headwall - Unknown Buried Pipe	1	CMB-0100	Agree to Merit Agree to Cost	1/16/13 1/16/13	+75,000	Related to COR 063. SFMTA instructed BIH to perform investigation into the 48" diameter steel pipe as it is a Differing Site Condition. 01/30/13 01/16/13 - CMB - NOT TO EXCEED Amount \$75,00	CMOD #4 Approved	(75,000)
1252-0079	01/09/13	PCC 10, FA CO 3	Relocation of TBM Retrieval Shaft	1					Modify Bid Item ST -4 Construction of Base Bid Permanent Retrieval Shaft to relocate the TBM retrieval Shaft to 1731-1741 Powell Street - 01/09/13 - Draft PCC10 presented to CMB for Contractor Design Activity to be paid on FA. NTE value \$20K increased to \$50K in final doc. 02/20/13 - COST IS NOT REFLECTED HERE - SCOPE IS FUNDED BY OTHER CPT 690 \$\$\$\$ 03/06/13 - Cost proposal received from BIH. SFMTA will develop a detail estimate of what is believed to be the scope of work.		
1252-0080	12/19/12	0	Segment Measuring Frequency	7				(1,300,000)	RFI 203.1 - In light of gauging frequency, and the difficulties of erecting a ring with cast in gaskets, BIH JV alternately proposes to assemble a ring on the Master ring at an interval of every 500th ring cast. The assembled ring would be comprised of randomly selected segments, or segments chosen by the Engineer.		
1252-0081	09/09/12	0	F21 and Old Navy Instrumentation Proposal	7				-0-	Wang Technology is proposing instrumentation changes to the Liquid Level Sensors and Tilt Beams in the basements of Old Navy and Forever 21.		
1252-0082	01/14/13	68	UMS – AT&T Vault Walkway @ N Headwall	2	CMB-0112	Agree to Merit Agree to Cost	1/16/13 02/27/13	+2,000	SPM discovered an walkway at the UMS north headwall. This walkway is located at the UMS north headwall and connects the south AT&T vault, located within the utility demolition limits, to a north AT&T, located outside of the utility demolition limits. SPM proposes to construct 3'x5' wall to the extents necessary, inside this walkway. The wall will be constructed of plywood and necessary reinforcement in order to create a bulkhead that will isolate the walkway and north vault from the south vault. 01/16/13 - CMB recommendation Contractor/Sub-contractor proceed on Force Account with a "Not to Exceed Amount" \$2K.		
1252-0083	11/08/12	69	UMS – Cap and Remove 48" Steel pipe	2					Closed		
1252-0084	01/24/13	PCC 11, FA CO 2	UMS – Cap and Remove 48" Steel pipe	1	CMB-0105	Agree to Cost	01/23/13	+150,000	BIH/Synergy encountered a buried 48" Diameter steel pipe during work at the UMS S. Headwall. The pipe is located 6 feet from the south UMS headwall and 5 feet from the face of the curb. This PCC is to complete removal of pipe @ S. Headwall and Investigate and remove pipe if necessary @ the North headwall. 01/30/13 - CMB - NOT TO EXCEED Amount \$150,000	CMOD #9	(150,000)
1252-0085	01/24/13	71	LB – Ramp Excavation Wood Piles Obstruction	2				+800	BIHJV encountered numerous groups of wood piles while performing excavation of the Launch Box ramp. The wood piles are approximately 16"+ in diameter and are located along the north and south perimeter walls of the Launch Box ramp excavation area. 01/30/13 - CMB did not agree with merit of change suggestion the RE negotiate w/Contractor for another concession.		
1252-0086	02/08/13	72	Ellis Shaft Jet Grout Obstruction	2				+54,000	On February 6th, 2013, CJA/NCC was drilling column R3 of the Ellis Shaft and reported hitting an obstruction 52ft below existing grade. The obstruction reportedly caused the jet grout monitor to shear off. At this time it is not known what the obstruction is or if it caused the monitor to be sheared off.		

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1252-0087	02/14/13	73	MOS - Unknown 16" Pipe removal @ northwest headwall	2		Agree to Merit	03/13/13	+2,000	BIH-JV's subcontractor, Synergy, encountered an abandoned 16" pipe while installing the 12" waterline at the north headwall of Moscone. The pipe was at the same elevation as the new 12" waterline and therefore needed to be removed to facilitate the installation of the new 12" waterline. 03/13/13 - Merit info presented to CMB - Agreed		
1252-0088	NA	74	Whole Foods - Unknown brick obstruction in Comp Grout Trench	0				-0-	BIH has decided not to submit a COR as production was not significantly impacted.		
1252-0089	03/11/13	75	Hazardous Waste Disposal Denial - Spolis containment Cost Impacts	7				+1,100,000	BIH submitted change order request (COR) 030 seeking reimbursement for the demonstrated additional costs of excavating, handling and disposing of excavated material found to contain hazardous material to a permitted landfill over that which can be disposed of at an unregulated dump site. The SFMTA refused reimbursement for such costs under the hazardous waste bid item allowance. As a result of this determination, BIH is modifying its approach to the construction and handling operations of tunnel spoils generated during tunneling operations.		
1252-0090	03/08/13	76	MOS - 16" Pipe removal @ SW Headwall	2				+2,000	BIH-JV's subcontractor, Synergy, encountered an abandoned 16" pipe while installing the 12" waterline at the south headwall of Moscone. The pipe was at the same elevation as the new 12" waterline and therefore needed to be removed to facilitate the installation of the new 12" waterline.		
1252-0091	03/06/13	77	Comp Grout - WFB-5 Drilling Obstruction	2				+10,000	On March 06,2013, BIHJV encountered a potential Differing Site Condition (DSC) while drilling the compensation grouting hole WFB-5 located at Whole Foods and more precisely at CTL Station 160+38. This potential DSC consists of an obstruction located at a depth of 9' below grade which prevented CJA-NCC from drilling any further.		
1252-0092	03/07/13	78	Comp Grout - WF & ATT	2				TBD	BIHJV encountered multiple potential Differing Site Conditions (DSC's) of varying dimensions while excavating the compensation grouting trench for the drill holes located at Whole Foods and AT&T.		
1252-0093	03/07/13	79	Comp Grout - Old Navy	2				TBD	BIHJV encountered a potential Differing Site Condition (DSC) while sawcutting the pavement for the compensation grouting holes located at Old Navy. The original design was to drill the compensation grout holes between two existing PG&E lines. It was discovered in the field that there is not enough clearance between the existing PG&E lines for the original design to be possible and multiple other potential DSCs were also encountered including, but not limited to, tile duct banks, concrete of unknown contents, and steel pipes.		
Contract 1252 Totals								+17,126	Total Changes to the contract in the amount of \$17,126 represents an UNDERRUN of allocated contingency. Additional changes to the Contract for Relocation of TBM in the amount of \$10,622,750 will be funded by CPT690\$\$\$.		(241,346)
CONSTRUCTION TRENDS (Based on #1252 Trending Log and CMod) - SUBTOTALS:								+17,126			(241,346)
DESIGN TRENDS											
FD-001	07/31/10	084-0001	Narrowing of Platform at UMS	1	CMB-0006	Agree	08/04/10	(800,000)	[In "Current Forecast" - Sep2010 Cost Report.]		
FD-002	07/12/10	084-0002	Redux of Station Emergency Ventilation Fans (UMS)	1	CMB-0009	Agree (Conditionally)	08/25/10	(2,000,000)	Further actions: Designer required to receive Fire/Life/Safety approval before proceeding with this change. Designer to allocate cost impacts by Station (Current figures are "place-holders.". [In "Current Forecast" - Sep2010 Cost Report.]		
FD-002	07/12/10	085-0001	Redux of Station Emergency Ventilation Fans (CTS)	1	CMB-0009	Agree (Conditionally)	08/25/10	(500,000)	Further actions: Designer required to receive Fire/Life/Safety approval before proceeding with this change. Designer to allocate cost impacts by Station (Current figures are "place-holders.". [In "Current Forecast" - Sep2010 Cost Report.]		

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FD-002	07/12/10	086-0001	Redux of Station Emergency Ventilation Fans (MOS)	1	CMB-0009	Agree (Conditionally)	08/25/10	(500,000)	Further actions: Designer required to receive Fire/Life/Safety approval before proceeding with this change. Designer to allocate cost impacts by Station (Current figures are "place-holders.". [In "Current Forecast" - Sep2010 Cost Report.]		
FD-003	07/31/10	085-0002	Lowering of CTS	1	To be verified	Info Only	08/25/10	+7,000,000	Presented to CMB for information/consideration.		
FD-004	07/29/10	084-0003	UMS Structural Configuration	1	CMB-0007	Agree	08/18/10	(8,000,000)	[In "Current Forecast" - Sep2010 Cost Report.]		
FD-005	08/22/10	084-0004	UMS Alternate Station Access/Vent Shaft @ Union Square	1	CMB-0010	Agree	12/29/10	(22,500,000)	Documentation to be filed.		
FD-006	08/03/10	084-0005	Station Headwalls - UMS	1	CMB-0008	Agree	08/18/10	-0-			
FD-006	08/03/10	086-0002	Station Headwalls - MOS	1	CMB-0008	Agree	08/18/10	-0-			
FD-007	08/03/10		Cross-passages	1	CMB-0018	Agree	09/15/10	-0-			
FD-008	07/30/10		Trolley Re-route @ Columbus & Powell	1	CMB-0017	Agree	09/15/10	+2,000,000			
FD-009	10/06/10	082-0003	ECP to Modify Sidewalk Vault Demolition and Construction Sequence to Facilitate Construction of Joint Utilities Trench and Future UMS Station	1	CMB-0019	Agree	12/15/10	+3,000,000			
FD-010	10/06/10	082-0004	Redesign Stockton Street Sanitary Sewer to conform to SFPUC Sewer Criteria that preclude placement of relocated sanitary sewer under sidewalks	1	CMB-0020	Agree	11/17/10	+2,000,000			
FD-011	10/06/10	082-0005	Reconfigure Routing of Water, Sewer and Gas laterals from buildings on north side of Ellis Street	1	CMB-0021	Agree	11/17/10	+500,000			
FD-012	10/06/10	082-0006	Recognize cost transfers from design allowances allocated to contingency to explicit line items in final design estimates	1	CMB-0022	Disagree	11/17/10	-0-			
FD-013	10/06/10	082-0007	Increase Extent of Sub-sidewalks Vault Secondary Closure Walls and Waterproofing	1	CMB-0023	Agree	11/17/10	+4,100,000			
FD-014	10/06/10	082-0008	Include OCS system for rerouting trolley buses to Fifth Street	1	CMB-0024	Agree	12/15/10	+3,100,000			
FD-015	10/06/10	082-0009	Subsidewalk Vault Secondary Closure Walls for Buildings at 800 Market and 838 Market	1	CMB-0025	Agree	11/17/10	+1,000,000			
FD-016	10/06/10	085-0003	Underpinning of Mandarin Tower	1	CMB-0011	over taken by FD-021	01/19/11	+5,000,000	Additional Information Pending.		
FD-017	10/06/10	085-0004	CTS Ground Improvement	1	CMB-0012	over taken by FD-021	01/19/11	+10,300,000	Additional Information Pending.		
FD-018	10/06/10	084-0006	UMS Apple Store Entrance	1	CMB-0013	Disagree	11/10/10	-0-	Additional Information Pending.		
FD-019	10/06/10	086-0003	MOS TOD Configuration	1	CMB-0014	Agree	11/10/10	TBD			
FD-020	10/06/10	084-0007	UMS Emergency Stair #4 Relocation	1	CMB-0015	Agree	11/10/10	TBD			
FD-021	01/14/11	085-0005	CTS Lowering and Stations Reconfiguration	1	CMB-0027	Agree	01/19/11	(18,000,000.00)	Agreement with changes to project configuration only. Additional Information required related to cost and schedule impacts. No agreement on Design cost impact, Design costs directly related to this change to be tracked separately		
FD-022	02/16/11	084-0008	Sewer Replacement along Geary & O'Farrell	1	CMB-0029	Agree	02/23/11	(134,000)	This trend has both an EPC number as well as a Construction Trend Number. See also Construction Trend No. 1251-0003		
FD-023	11/17/10	087-0001	Emergency walkways through crossover cavern changed from outside the main tracks to between the main tracks.	1	CMB-0032	Agree	07/27/11				
FD-024	11/17/10	087-0002	Diamond crossover on surface segment to a tandem (universal) crossover.	1	CMB-0033	Agree	08/24/11	(350,000)			
FD-025	04/13/11	083-0001	Bid Option for TBM Retrieval Shaft		CMB-0034	Agree	04/13/11	(10,000,000)	Will require changes to Bid Schedule to incorporate Traffic, Utilities and Pavement Demo/Restoration as incidental costs to the Bid Option. Estimated DP1 cost impact is approx. 80-100 hrs. of engineering time.		
FD-026	05/31/11	084,085,086	Air Replenishment System for Stations	1	CMB-0040	Agree	07/13/11	+1,245,000	Install air replenishment system at MOS, CTS and UMS to address the requirements of the SFFD Bulletin 5.07. The air replenishment system will be used to fill firefighter's self-contained breathing apparatus during firefighting operations in the three subway stations.		
FD-027	07/21/11	082-0010	1 Stockton street (Apple Store) Secondary Closure Wall		CMB-0043	Agree	08/03/11	+500,000	1) Add secondary closure wall to supplement recently completed primary closure wall built by owner to isolate the sub-sidewalk basement of 1 Stockton Street (Apple Store). 2) Modify position of joint trench (and all associated conduits, ducts etc.) for secondary closure wall to be constructed.		
FD-028	08/03/11	086-0004	MOS Revisions to Emergency Ventilation Requirements		CMB-0052	Agree	09/07/11	+500,000	Changes will extend the date of the 90% (pre-final) submittal by 20 working days and the 100% (final) submittal by 40 working days. CMB did not approve a time extension for 90% or 100% submittal delivery. Project Controls estimated \$321,645.		

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FD-029	08/08/11	085-0006	CTS Revisions to Emergency Ventilation Requirements		CMB-0053	Agree	09/07/11	+1,000,000	Changes will extend the date of the 90% (pre-final) submittal by 20 working days and the 100% (final) submittal by 40 working days. CMB did not approve a time extension for 90% or 100% submittal delivery. Project Controls estimated \$411,895.		
FD-030	08/08/11	084-0009	UMS Revisions to Emergency Ventilation Requirements		CMB-0054	Agree	09/07/11	+1,000,000	Changes will extend the date of the 90% (pre-final) submittal by 20 working days and the 100% (final) submittal by 40 working days. CMB did not approve a time extension for 90% or 100% submittal delivery. Project Controls estimated 733,420.		
FD-031	10/31/11		Accessibility Improvements at the SE corner of Union Square (UMS)								
FD-032	10/31/11		Union Square Entrance Reconfiguration (UMS)								
FD-033	10/31/11		Additional Compensation Grouting due to Tunnel Settlement Alert and Trigger Levels (All Stations)					+21,040,000	ECP dated 11/17/11. ECP being routed for approval.		
FD-034	12/09/11		Operational Performance and Safety Enhancement at 4th and King		CMB-0062	Agree	12/14/11	+450,000	SFMTA Operations requested that the design of the 4th & King tie-in work be expanded to include a number of improvements at the junction involving the turn-back area extending to the scissors crossover at 6th & King. SFMTA Ops confirmed that the requested changes result in an arrangement that is consistent with standard operation practices and therefore does not involve new or unacceptable risks. CS 1553 Memorandum No. 0081. Conditionally agreed upon verification/resolution of Buy America issue for the switches. 3/14/12: "Buy America" issue no longer applicable. Revised ECP element - remove H&K switch machines and replace with hydraulic/120V switch machines such as Nortrak or equal.		
FD-035	06/26/12		Tunnel Air Replenishment System		CMB-0071	Agree	07/11/12	+1,215,000	Design and construct a fire fighter air replenishment system for Central Subway tunnel as described in SF Fire Code 511.2, Bulletin 5.07 except as noted in the Central Subway Request for Approval of Variance for the ARS to SFFD on March 5, 2012, and subsequently approved by SFFD. Design Impact: ROM - \$215K Construction Impact: ROM - \$1M		
FD-036	06/26/12		Surface Segment Sewers - 4th St.		CMB-0072	Agree	07/18/12	+2,200,000	Replace current unreinforced brick crown from 1906 as it may not be able to withstand loading for construction of the CS trackway section. Reconstruct manholes between Brannan and King Streets as existing are in conflict with proposed rail. Replace service laterals and provide sleeves for future replacement. Additional potential scope option of \$1.5M-Sewer and \$2.3M-Force Main may be requested. If so, it will be Cost to SFPUC		
FD-037	08/27/12		Platform Display System Signs		CMB-0077	Agree (Conditionally)	08/29/12	+500,000	Modify Stations (Contracts 1253, 1254 and 1255) and Surface, Track and Systems (Contract 1256) technical specifications and drawings for the Platform Display System (PDS) to match the changes made to the PDS units being supplied under the Integrated Systems Replacement (ISR) Project, Contract No.1260. 08/29/12: CMB agreement condition upon follow up action to evaluate procurement by CN1260		
FD-038	11/07/12		Elongated Sidewalk Bulb-out at Chinatown Station					TBD	CTS Sidewalk Bulb out (Southwest corner Stockton/Washington To bring the Central Subway Project - Chinatown Station in closer conformance wit the City's General Plan, SF Planning Department in its May, 2012 GPR Letter (recommends) making design changes specifically the extension of the sidewalk bulb-out at Stockton Street to help create a "station plaza". This elongated bulbout on the southwest corner (SWC) of Stockton and Washington Streets in front of the station headhouse would also include bike racks, benches, trees and other landscape features. Design Impact: ROM - \$TBD Construction Impact: ROM - \$TBD		
FINAL DESIGN TRENDS (Based on All ECPs) - SUBTOTALS									Incorporated budget increases have been absorbed by allocated and unallocated funds and the program budget to date remains \$1,578,300,000.		-0-
OTHER TRENDS											
X51-001	07/31/10	082-0001	1251 Revised estimate, escalation impact and contingency.	7				+9,532,314	Cost Transfer #0033 (Base \$\$), 0033a (Allocated Contingency), 0036 (Base \$\$ Escalation , 0036a (Allocated Contingency Escalation). [Sep2010 Cost Report]	BT-0033, BT-0033-A, BT0036, BT-0036-A	

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X51-002	07/31/10	082-0002	7				(7,697,949)	Reserve and Contingencies removed as per communications with PG&E. This is consistent with the 1250 utility agreement. [Cost Transfer #0034 - Aug2010 Cost Report].	BT-0034	
X52-001	07/31/10	083-0001	7				(2,165,462)	Cost Transfer #0035 (Base \$\$), 0035a (Allocated Contingency), 0037 (Base \$\$ Escalation , 0037a (Allocated Contingency Escalation). [Sep2010 Cost Report]	BT-0037, BT-0037-A	
X03-001	08/31/10	003-0001	7				+75,000	Workforce training pilot program in conjunction with the City/County's Office of Economic and Workforce Development (OEWD). Provides specialized training to SF residents to perform tunneling work. Central Subway financial responsibility being investigated. Requires further clarification		
X53-001	07/18/11	084-0001	7	CMB-0044	Agree	07/27/11		Adjust construction budget in Section 6 of Contract No. CS 155-2 to Year of Expenditure		
X53-002	10/25/11							DP2 Designer's new proposed dates for Pre-Final and Final Design have pushed out Advertise Dates.		
X53-003	04/11/12	084-0002					+55,720,600	CMB is currently vetting the 90% estimate of \$221,534,723 which represents a \$\$X increase from the 65% base amount in 2010\$. Increase would deplete current YOY dollars and require use of unallocated contingency.		
X53-004	06/26/12	084-0002						Shortened the duration for Approve/Execute/Certify - UMS Contract from 40 to 24days to reflect an optimistic but doable duration for contractor submittals.		
X54-001	07/13/11	085-0001	7	CMB-0045	Agree	07/27/11		Adjust construction budget in Section 6 of Contract No. CS 155-2 to Year of Expenditure		
X54-002	10/25/11			CMB-0061	Agree	12/28/11		DP2 Designer's new proposed dates for Pre-Final and Final Design have pushed out Advertise Dates.		
X54-003	11/02/11							Change CTS Advertise Date from May 23, 2012 to February 8, 2012 (-74 working days)		
X54-005	12/06/11			CMB-0060	Agree	12/28/11				
X54-006	12/07/11	085-0002	7							
X55-001	07/18/11	086-0001	7	CMB-0046	Agree	07/27/11		Adjust construction budget in Section 6 of Contract No. CS 155-2 to Year of Expenditure		
X55-002	10/25/11							DP2 Designer's new proposed dates for Pre-Final and Final Design have pushed out Advertise Dates.		
X55-003	11/02/11							Change MOS Advertise Date from June 25, 2012 to May 23, 2012 (-22 working days)		
X55-004	06/26/12							Change MOS to August 20, 2012		
X56-001	10/25/11							DP2 Designer's new proposed dates for Pre-Final and Final Design have pushed out the Station's Advertise Dates. STS Advertise Date is staggered from Station's Advertise Dates.		
X56-002	12/14/11									
X56-003	06/26/12							Change STS Advertise Date to October 1, 2012		
X40-001	10/19/11	028-0001	7		Authorized		+505,127	1250 SFPUC CDD Monthly Service Report Final & 1251 SFPUC CDD Estimate	BT-0172, BT-0177	
X80-001	10/19/11	071-0001	see Prof. Serv		Authorized		+560,585	Modification No. 2: \$395,584.59, Modification No. 3: \$165,000. Individual details listed in Professional Services. See trend 1551-0002,1551-0005 - 1551-0009	BT-0170, BT-0171, BT-0173	
X80-002		071-0002	7		Authorized		+135,898	Modification No. 4: \$135,898 Individual details listed in Professional Services. See trends 1551-0010 - 1551-0014.	BT-0187	
X80-003	10/27/11	029-0001	7		Authorized		+50,220	Reduce unallocated Contingency to increase City Auditor budget as authorized in Budget Authorization #51.	BR#51, BT-0181	
X80-004	10/27/11	232-0001	7		Authorized		+20,000	Increase SFCTA budget per per Budget Authorization #51 to conduct travel forecast (TEP CEQA Modeling) to satisfy PMO review and SFMTA Fleet Plan light rail vehicle.	BR #51, BT-0182	
X80-005	7/1/10, 11/2/10,3/24/11	072-0001	7		Authorized		+1,010,000	Modification No. 1: \$1,010,600 Individual details listed in Professional Services. See trends 1552-0002, 1552-0003 and 1552-0005.	BT-0194, BR#53	

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CENTRAL SUBWAY PROJECT
Project Trend/Change Control Log

Item #	Date Initiated	Change Description	Change Type	CMB No.	Change Status		Projected Cost Impact +Exposure/(Benefit)	Comments	Contract Modification Number	Utility Reimbursements	
					Approval Action	Approval Date					Actual/Forecast
X80-006	5/6/10, 7/25/11, 9/22/11	072-0002	DP2: CS 155-2 Exercised Options	see Prof. Serv		Authorized		+366,771	Individual details listed in Professional Services. See trends 1552-0001, 1552-0007 and 1552-0014.	BT-0023, BT-0194	
X80-007	11/08/11	151-0001	Operations SFMTA Transit Services			Authorized		+50,000	CSP request services to support and test OCS for 30/45 trolley reroute. Authorized per Budget Revision #53	BR #53, BT-0189	
X80-008	09/01/11	081-0001	SFMTA Safety, Training, Security & Enforcement Div PCOs	7		Authorized		+60,000	CSP request PCOs to support 1251 and 1252 construction for one year. Authorized \$60,000 per Budget Revision #45.	BR #45, BT-0190	
X80-009	11/30/11	016-0001	SFMTA Sustainable Streets 30 and 45 re-route	7		Authorized		-0-	CSP request services to support 30/45 trolley reroute. \$162,600 was reduced from DPT staffing plan budget.	BT-0188	
X80-010	11/09/11	073-0001	DP3: CS 155-3 Modification No. 1	7		Authorized		+152,882	Modification No. 1: \$152,882 Individual details listed in Professional Services. See trends 1553-0012 and 1553-0013.	BT-0203	
X80-011	8/9/11, 9/22/11, 10/11/11, 11/9/11	073-0002	DP3: CS 155-3 Exercised Options	see Prof. Serv		Authorized		+1,026,398	Individual details listed in Professional Services. See trends 1553-0001 - 1553-0004, 1553-0006, 1553-0009 1553-0011, 1553-0014. Updated from \$971,686 to include Trend 1553-0014.	BT-0203	
X80-012		151-0002	OCS materials procured directly for work in reference to CN1251 CMOD#12.		CMB-0065	Agree	1/25/2012, 2/29/12	+126,149	See also Trend 1251-0023		
X80-013	05/30/12	073-0003	DP3: Provide Vibration Impact Analysis and Extend PC Support Technical and CSP Quality Manager	1				+133,906	Amend #2: Vibration Impact Analysis \$38,380 Amend #3: PC Support Tech \$34,483; Quality Manager - \$61,043	TBD	
X80-014	12/17/12		For combining the stations and track and systems into Contract 1300 (SSTS)	7					Stations and track and systems into Contract 1300 (SSTS)		
X80-015	12/17/12		Changing the Bid Opening date and condensing the Contract Duration for Contract 1300	7					Changing the Bid Opening date and condensing the Contract Duration for Contract 1300		
X80-016	02/19/13		Change to Tunnel and CTS interface and buffer float Contract 1300 (SSTS)	7					Change (MPS) reducing the number of days currently in (from 550 calendar days from NTP to 450 calendar days) for the key interface between CTS and the tunnel completion. Reduced number of days will be issued as part of Add #3 of the 1300 contract. 1/23/13 CMB Agreed verbally to change @ Mtg #111.		
OTHER TRENDS (Based on Various Trends)									Current Forecast reflects a net +3,537,933 unfavorable impact for all Other Trends.		-0-
GRAND TOTALS									Current Forecast reflects an estimated net +66,751,620 unfavorable exposure to the project to date. Incorporated budget increases have been absorbed by allocated and unallocated funds and the program budget to date remains \$1,578,300,000.		(241,346)
PROFESSIONAL SERVICES TRENDS: The following trends are listed for administrative purposes. The dollar amounts are reflected in the "Other Trends" section of this log in the form of cost (budget) transfers - ie CCOP's. The total values indicated for each professional contract are for tracking all potential cost exposures and may or may not be approved.											
Contract CS-155-1											
1551-0001	07/30/10	071-0001	Conform Contract Terms per Negotiations from 10/2/09 to 11/6/09	7				-0-	To be addressed in Amendment 1.	Amendment 1 Pending	-0-
1551-0002	02/18/11	071-0002	Project Office Delay (Adjustments for OH Rate and Team Productivity impact)	7		Authorized	07/29/11	+101,411	Amendment Signed by ED/CEO 7/29/11 COMPLETE, NO FURTHER ACTION; Amendment #2	Amendment 2 Approved	
1551-0003	02/18/11	071-0003	Additional Construction Support for CP-1	7							-0-
1551-0004	02/18/11	071-0004	Redesign Required by Barney's and PUC for CP-2	7							-0-
1551-0005	02/18/11	071-0005	Archeological Monitoring 16.20.C1 (total)	7		Authorized	07/29/11	+197,173	Amendment Signed by ED/CEO 7/29/11 COMPLETE, NO FURTHER ACTION; Amendment #2	Amendment 2 Approved	
1551-0006	02/18/11	071-0006	Eyebolts	7		Authorized	07/29/11	+50,000	Amendment Signed by ED/CEO 7/29/11 COMPLETE, NO FURTHER ACTION; Amendment #2	Amendment 2 Approved	
1551-0007		071-0007	Secondary Closure Walls 800/838 Market	1		Authorized	07/29/11	+47,400	Amendment Signed by ED/CEO 7/29/11 COMPLETE, NO FURTHER ACTION; Amendment #2	Amendment 2 Approved	

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Item #	Date Initiated	CMB No.	Change Description	Change Type	Change Status		Projected Cost Impact +Exposure/(Benefit)	Comments	Contract Modification Number	Utility Reimbursements
					Approval Action	Approval Date				
1551-0008		071-0008	Delete Optional Tasks - Tasks 1-14	1			-0-	Deleted Options in the amount of (\$529,952) in Amendment has been reversed through Budget Authorization #50. COMPLETE, NO FURTHER ACTION; Amendment #2	Amendment 2 Approved	
1551-0009		071-0009	CTS Lowering	1	Authorized	12/08/11	+165,000	Amendment Signed by ED/CEO 12/8/11 COMPLETE, NO FURTHER ACTION; Amendment #3	Amendment 3 Approved	
1551-0010		071-0010	Modify Sidewalk Vault Demo ECP-FD009	7	Authorized	12/08/11	+39,311	Amendment Signed by ED/CEO 12/8/11 COMPLETE, NO FURTHER ACTION; Amendment #4	Amendment 4 Approved	
1551-0011		071-0011	Modify Stockton St. Sewer ECP-FD010	7	Authorized	12/08/11	+4,112	Amendment Signed by ED/CEO 12/8/11 COMPLETE, NO FURTHER ACTION; Amendment #4	Amendment 4 Approved	
1551-0012		071-0012	Reconfigure Utilities N. Side Ellis ECP-FD011	7	Authorized	12/08/11	+2,448	Amendment Signed by ED/CEO 12/8/11 COMPLETE, NO FURTHER ACTION; Amendment #4	Amendment 4 Approved	
1551-0013		071-0013	Extend SubSidewalk Closure Wall ECP-FD013	7	Authorized	12/08/11	+85,233	Amendment Signed by ED/CEO 12/8/11 COMPLETE, NO FURTHER ACTION; Amendment #4	Amendment 4 Approved	
1551-0014		071-0014	Reroute OCS to Fifth St. ECP-FD014	7	Authorized	12/08/11	+4,794	Amendment Signed by ED/CEO 12/8/11 COMPLETE, NO FURTHER ACTION; Amendment #4	Amendment 4 Approved	
1551-0015		071-0015	Retrieval Shaft Redesign - Sewer By Pass	7			+56,000	Awaiting documentation from Designer		
1551-0016		071-0016	Design Measures for Settlement Protection	7			+99,000	Awaiting documentation from Designer		
1551-0017		071-0017	Incorporate Headwalls MOS/UMS	1	Disagree at this time	11/01/11	+42,000	In letter dated November 1, 2011 DPM responded that until concurrence with DP2 on cost transfer or additional documentation, the requested change is denied.		
1551-0018		071-0018	Prepare Utility Composite	-	Disagree	11/01/11	+50,000	DPM responded that Program does not agree in letter dated November 1, 2011.		
1551-0019		071-0019	Incorporate Cross Passages	1	Disagree at this time	11/01/11	+43,000	In letter dated November 1, 2011 DPM responded that until concurrence with DP2 on cost transfer or additional documentation, the requested change is denied.		
Contract CS-155-1 Total							+986,882	Of the total cost exposure shown, Contract Modifications and Authorized Option dollars have been absorbed by DP1 allocated contingency in the amount of \$696,483 of a total budget of \$705,000. Additional potential exposure is +\$391,411. Currently, overall contract value remains unchanged in the amount of \$6,500,000.		-0-
Contract CS-155-2										
1552-0001	05/06/10	072-0001	Optional Task 2.50 and Task 12.07	1	Authorized	05/06/10	+274,775	CS Letter 0473 from ED/CEO Optional Task 2.50 to support art enhancement activities NTE \$164,383 and Optional Task 12.07 to support design structures for Public Art NTE \$110,392.		
1552-0002	07/01/10	072-0002	Expanded Hydraulic Testing at CTS	7	Authorized	07/01/10	+26,100	Estimated cost breakdown is included in the 7/1/10 letter from CSDG and includes signed approval by SFMTA. Amendment No. 1 authorized by ED/CEO on 12/21/11. COMPLETE, NO FURTHER ACTION; Amendment #1	Amendment 1 Approved	
1552-0003	10/11/10	072-0003	Additional Soil Borings at UMS Station - Task No. 3.10 Supplemental Investigations	7	Authorized	11/02/10	+34,500	Estimated cost breakdown is included in the 10/11/10 letter from CSDG and includes signed approval by SFMTA. Amendment No. 1 authorized by ED/CEO on 12/21/11. COMPLETE, NO FURTHER ACTION; Amendment #1	Amendment 1 Approved	
1552-0004	02/11/11	072-0004	MOS TOD White Paper Proposal	1			+33,847	Conceptual study will assess a potential high rise building at the Moscone station headhouse. Estimated cost breakdown is included in the 2/11/2011 letter from CSDG - On Hold.		
1552-0005	03/24/11	072-0005	CTS - Alternate 5	7	Authorized	03/24/11	+950,000	CS Letter from DED dated 3/24/11 has agreed to a modification of \$950,000 for performing additional work. Amendment No. 1 authorized by ED/CEO on 12/21/11. COMPLETE, NO FURTHER ACTION; Amendment #1	Amendment 1 Approved	
1552-0006	06/28/11	072-0006	Audited Overhead Rate Adjustment for Year 2010 - Request for Amendment	7			-0-	Estimated cost of \$406,320 is included in the 6/28/11 letter from CSDG. See 1552-0006 Rev. 1 for most current estimate		
1552-0007	07/25/11	072-0007	REVIT and CAD Support (to City Staff) Option to DP2 Contract (Optional Services Task 12.12)	1	Authorized	07/25/11	+79,200	CS Letter No. 0768 from ED/CEO dated 7/25/11 has authorized Optional Task 12.12 NTE \$79,200.		
1552-0008	08/03/11	072-0008	MOS Revisions to Emergency Ventilation Requirements	-	Provide further Justification	09/07/11	-0-	CMB did not approve a \$60,000 proposed increase. Document References ECP FD028, CSDG letter dated 8/8/11. DPM responded that program does not agree in letter dated 10/17/11.		
1552-0009	08/03/11	072-0009	CTS Revisions to Emergency Ventilation Requirements	-	Provide further Justification	09/07/11	-0-	CMB did not approve an \$80,000 proposed increase. Document References ECP FD029, CSDG letter dated 8/8/11. DPM responded that program does not agree in letter dated 10/17/11.		
1552-0010	08/03/11	072-0010	UMS Revisions to Emergency Ventilation Requirements	-	Provide further Justification	09/07/11	-0-	CMB did not approve a \$100,000 proposed increase. Document References ECP FD030, CSDG letter dated 8/8/11. DPM responded that program does not agree in letter dated 10/17/11.		
1552-0011	08/17/11	072-0011	Audited Overhead Rate Adjustment for Year 2010 - Request for Amendment - Rev. 1	7			+426,322	Estimated cost breakdown is included in the 8/17/11 letter from CSDG. This is a revision to the 6/28/11 letter and cost breakdown.		

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					Approval Action	Approval Date				
1552-0012	08/23/11	072-0012	-		Disagree	10/17/11	+36,240	Estimated cost breakdown is included in the 8/23/11 letter from CSDG. DPM responded that program does not agree in letter dated 10/17/11.		
1552-0013	09/01/11	072-0013	-				-0-	Cost charged to Task 2.70- part of base work		
1552-0014	09/22/11	072-0014	1		Authorized Optional Task 12.01.C5 only	11/04/11	+35,724	Estimated cost breakdown is included in the 9/22/11 letter from CSDG. Referenced Optional Work Tasks 12.01.C5 and 12.07.C5 - Effort re-evaluated - proposed cost to be resubmitted. CS Letter No. 1232 dated 11/4/11 from Director of Transportation has authorized Optional Task 12.01.C5 for the amount of \$12,796.	Option	
Contract CS-155-2 Total							+1,896,708	Of the total cost exposure shown, Contract Modifications and Authorized Option dollars have been absorbed by DP2 allocated contingency in the amount of \$1,046,324 of a total budget of \$4,890,707. Overall contract value remains unchanged in the amount of \$39,949,959.		-0-
Contract CS-155-3										
1553-0001	08/09/11	073-0001	1		Authorized	08/01/11	+259,305	SFMTA letter 0933 from ED/CEO dated 8/9/11 authorizing \$738,787 in optional tasks. COMPLETE, NO FURTHER ACTION; OPTION	Option	
1553-0002	08/09/11	073-0002	1		Authorized	08/01/11	+257,129	SFMTA letter 0933 from ED/CEO dated 8/9/11 authorizing \$738,787 in optional tasks. COMPLETE, NO FURTHER ACTION; OPTION	Option	
1553-0003	08/09/11	073-0003	1		Authorized	08/01/11	+169,553	SFMTA letter 0933 from ED/CEO dated 8/9/11 authorizing \$738,787 in optional tasks. COMPLETE, NO FURTHER ACTION; OPTION	Option	
1553-0004	08/09/11	073-0004	1		Authorized	08/01/11	+52,800	SFMTA letter 0933 from ED/CEO dated 8/9/11 authorizing \$738,787 in optional tasks. COMPLETE, NO FURTHER ACTION; OPTION	Option	
1553-0005	09/19/11	073-0005	7		Authorized	03/08/12	+38,380	Signed by Director of Transportation 3/8/2012. COMPLETE, NO FURTHER ACTION ; Amendment 2	Amendment 2 Approved	
1553-0006	09/22/11	073-0006	1		Authorized	11/04/11	+10,285	Letter dated 9/22/11 to DOM. PMCM response pending. Priced level of Effort assumed for this task. SFMTA Letter 1213 from Director of Transportation dated 11/4/11 authorizing optional task.		
1553-0007	09/27/11	073-0007	7				+59,460	Letter dated 9/27/11 to DOM. NOT FOLLOWING CONTRACT REQUIREMENTS FOR PROPER NOTIFICATION OF CHANGE. PMCM has responded to clarify scope in stations and Tunnel Design. Awaiting resubmittal of request by DP3		
1553-0008	10/05/11	073-0008	7		Disagree A.12.08-Signage	11/09/11		Letter dated 10/5/11 to DOM. NOT FOLLOWING CONTRACT REQUIREMENTS FOR PROPER NOTIFICATION OF CHANGE. CS Memo No. 0882 from DOM to DP3 PM considers A.12.08 Signage as part of the work necessary to complete the trackway elements of the scope. The work in question is considered part of the base scope of services.		
1553-0009	10/11/11	073-0009	1		Authorized	11/04/11	+33,000	SFMTA Letter 1213 from Director of Transportation dated 11/4/11 authorizing optional task. COMPLETE, NO FURTHER ACTION; OPTION	Option	
1553-0010		073-0010	1		Authorized	11/04/11	+108,240	SFMTA Letter 1213 from Director of Transportation dated 11/4/11 authorizing optional task. COMPLETE, NO FURTHER ACTION; OPTION	Option	
1553-0011		073-0011	1		Authorized	11/04/11	+81,374	SFMTA Letter 1213 from Director of Transportation dated 11/4/11 authorizing optional task. COMPLETE, NO FURTHER ACTION; OPTION	Option	
1553-0012	11/09/11	073-0012	7		Authorized	01/18/12	+88,855	Contract Modification No. 1 authorized by ED/CEO on 1/18/12. COMPLETE, NO FURTHER ACTION; Amendment #1	Amendment 1 Approved	
1553-0013	11/09/11	073-0013	7		Authorized	01/18/12	+64,027	Letter dated October 7, 2011 to DOM. PM/CM response pending. Contract Modification No. 1 authorized by ED/CEO on 1/18/12. COMPLETE, NO FURTHER ACTION; Amendment #1	Amendment 1 Approved	
1553-0014	02/06/12	073-0014			Authorized	02/06/12	+54,712	SFMTA Letter 1381 from Director of Transportation dated 2/06/12 authorizing optional tasks 12.12e in the amount of \$41,280 and 2.50 for \$13,432. COMPLETE, NO FURTHER ACTION; OPTION	Option	
1553-0015	03/20/12	073-0015	1				+26,026	FD-034 was updated by CMB on 3/14/12. Proposal transmitted via letter CS1553 No. 0012 dated 3/20/12 to DOM. Amendment #4 PENDING	Option	
1553-0016	03/23/12	073-0016	7		Authorized	04/26/12	+173,119	SFMTA letter 1658 from Director of Transportation dated 4/26/2012 authorizing \$173,119 in optional tasks. Included in FD-035 to be presented to CMB on 6/26/12	Option	
1553-0017	05/14/12	073-0017	1		Authorized	05/04/12	+34,483	Signed by Director of Transportation 5/14/12. COMPLETE, NO FURTHER ACTION; Amendment #3	Amendment 3 Approved	
1553-0018	05/14/12	073-0018	1		Authorized	05/04/12	+61,043	Signed by Director of Transportation 5/14/12. COMPLETE, NO FURTHER ACTION; Amendment #3	Amendment 3 Approved	

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1553-0019	04/09/12	073-0019	Authorization to commence optional task 12.02 Utility Plans for design of repositioned and reconstructed manholes for the 78 inch diameter sewer on 4th St.	1	Authorized	04/09/12	+52,712	SFMTA Letter 1630 from the Director of Transportation dated 4/9/2012 authorizing optional task 12.02 in the amount of \$52,712 COMPLETE, NO FURTHER ACTION; OPTION	Option	
1553-0020	04/09/12	073-0020	Authorization to commence optional task 12.12 civil and structural support for traction power duct banks	1	Authorized	04/09/12	+109,000	SFMTA Letter 1630 from the Director of Transportation dated 4/9/2012 authorizing optional task 12.12 in the amount of \$109,000 COMPLETE, NO FURTHER ACTION; OPTION	Option	
1553-0021	04/26/12	073-0021	Authorization to commence optional task 12.11 design of the tunnel based Air Replenishment System including fill panels, feeder pipes, gauges, valves, fire proofing, anchors, supports, low level alarms, wiring, signage, connections to SCADA and monitoring devices, equipment placement, and impact protection	1	Authorized	04/26/12	+173,119	SFMTA Letter 1658 from the Director of Transportation dated 4/26/2012 authorizing optional task 12.11 in the amount of \$173,119 COMPLETE, NO FURTHER ACTION; OPTION	Option	
1553-0022	04/26/12	073-0022	Increased authorization for optional task 12.12.e CAD production support	1	Authorized	04/26/12	+30,000	SFMTA Letter 1658 from the Director of Transportation dated 4/26/2012 authorizing the increase in optional task 12.12e in the amount of \$30,000 COMPLETE, NO FURTHER ACTION; OPTION	Option	
1553-0023	05/21/12	073-0023	Authorization to commence option task 12.11 structural design support for Fire Protection and Plumbing designs	1	Authorized	05/21/12	+39,204	SFMTA Letter 1688 from the Director of Transportation dated 5/21/2012 authorizing the increase in optional task 12.11 in the amount of \$39,204 COMPLETE, NO FURTHER ACTION; OPTION	Option	
1553-0024	05/21/12	073-0024	Authorization to commence optional task 12.12 structural design support for Traction Power and Power/Lighting designs	1	Authorized	05/21/12	+43,638	SFMTA Letter 1688 from the Director of Transportation dated 5/21/2012 authorizing the increase in optional task 12.12 in the amount of \$43,638 COMPLETE, NO FURTHER ACTION; OPTION	Option	
1553-0025	05/21/12	073-0025	Authorization to commence optional task 12.13 structural design support for Telephone and CCTV designs	1	Authorized	05/21/12	+24,328	SFMTA Letter 1688 from the Director of Transportation dated 5/21/2012 authorizing the increase in optional task 12.13 in the amount of \$24,328 COMPLETE, NO FURTHER ACTION; OPTION	Option	
1553-0026	05/21/12	073-0026	Authorization to commence optional task 9.20 Technical Specifications for structural design support for above designs	1	Authorized	05/21/12	+3,039	SFMTA Letter 1688 from the Director of Transportation dated 5/21/2012 authorizing the increase in optional task 9.20 in the amount of \$3,039 COMPLETE, NO FURTHER ACTION; OPTION	Option	
Contract CS-155-3 Total							+2,046,831	Of the total cost exposure shown, Contract Modifications and Authorized Option dollars have been absorbed by DP3 allocated contingency in the amount of \$1,168,995 of a total budget of \$4,598,725. Overall contract value remains unchanged in the amount of \$19,919,526.		-0-

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ACTION ITEMS

ITEM #	MTG DATE	MTG ACTION DATE	DESCRIPTION	BIC	DUE DATE	STATUS
1	11/07/12	11/07/12	1300 – WP 1254 – SF Planning Request	RE	03/13/13	Open
3	11/14/12	11/14/12	1252 – COR 033 – Retrieval Shaft – 20” Water Line	SW	03/13/13	Open
2	12/12/12	12/12/12	1252 – Validation 1300 docs include as built information regarding Asbestos Pipes	RE	03/20/13	Open
4	01/30/13	02/20/13	1252 – COR 008 - Final unit cost for indirects	RR	03/13/13	Open
4	01/30/13	02/27/13	1252 – Merit response letter for COR 008	MB/SW	03/13/13	Open
1	02/20/13	02/27/13	1252 – Update on Micro Pile	ML/RE	04/03/13	Open