


Memorandum

CS Memorandum No. 1325

To: Distribution

From: Susan MacKenzie, Document Control Manager 

Date: January 2, 2013

Reference: Project No. M544.1, Contract No. CS-149
Task No. 1-8.02, Change Control

Subject: Configuration Management Board Meeting No. 106

Attached please find minutes for Configuration Management Board Meeting No. 106 held on December 12, 2012.

Attachments: CMB Meeting No. 106 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)
Quon Chin, CSP (w/attachments)
Carlos Campillo, CSP (w/attachments)
Chuck Morganson, HNTB/B&C (w/attachments)
Aileen Read, CSDG (w/attachments)
CS File No. M544.1.5.0890

Distribution:

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John Funghi, SFMTA
Albert Hoe, SFMTA
Joon Park, SFMTA
Roger Nguyen, SFMTA
Richard Redmond, CSP
Ross Edwards, CSP
Mark Latch, CSP
Mark Benson, CSP
Eric Stassevitch, CSP
Beverly Ward, CSP
Sarah Wilson, CSP

CMB Meeting Minutes #106

DATE: December 20, 2012

MEETING DATE: **December 12, 2012**

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), R Redmond (RR), M. Benson (MB), M. Latch (ML), E. Stassevitch (ES), B. Ward (BW), S. Wilson (SW), M. Lee (ML) L. Zurinaga (LZ), B. Lebovitz (BL)

COPIES TO: Attendees: S. Farhangi (SF), A. Wong (AW), Q. Chin (QC), C. Campillo (CC), J. Wang (JW), C. Morganson (CM), 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 # 106 – Rev. No. 0

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

ITEM #	DISCUSSION	ACTION BY DUE DATE
3- 11/14/12	1252 - Sarah Wilson presented Evaluation of Merit of, COR 33 Ret Shaft - 20" Water Line Conflict – Contract drawings depict 20" water line being installed further east to the Muni (MRY) electrical duct bank instead of to the side as depicted on the contractor drawings to be installed to the side. Due to the proximity of MRY duck bank the Contractor must excavate and shore a larger hole in order to demolish the concrete around the duct bank to allow for 18" for welding all around the pipe. Based on the information presented the CMB found some merit for additional labor and material costs but were unable to clearly establish what element of work constituted the change as presented in the COR. RE will proceed with scoping the work to better define and quantify the change. 11/21: COR revisited due to confusion from some members resulting from last week's discussion. 12/12 Status: <i>This item was not discussed at this week's meeting.</i>	
1- 11/28/12	1251 – M. Acosta presented for approval for Additional Work Related to PG&E Facilities. Trends #05 Additional work to work around and shift existing PG&E conduits on Geary Blvd. at 2 locations, #46 Additional cost for enlarging PG&E Vault No. 584 on O'Farrell east of Stockton, #51 Intercept existing PG&E duct bank and terminate into Vault No. 5464 at Market/Ellis, #55 Install Swiveloc lids on 7EA PG&E vaults, #61 Excavate for PG&E service cut-over at 177 Stillman, #63 Excavation and restoration for PG&E gas tie-in and kill holes (Part II) , #66 Intercept PG&E conduits at Vault No. 573 at Geary east of Stockton, #69 Removal of abandoned PG&E gas valve (8EA) and installation of anodes, and #79 Additional work related to the installation of PG&E Vault Nos. 467, 571, 573, 586 and 594 (including joint trench leading to these vaults). The RE reported he has yet to receive confirmation on all the trends related to PG&E's additional work with the	M. Benson 12/05/12

ITEM #	DISCUSSION	ACTION BY DUE DATE
	exception of Trend #5. The RE reported that PG&E contends Trend #05 could possibly be a MTA engineering error due to the fact that their information was not properly depicted on the As-Built drawing submitted to the Contractor. CMB suggested the RE get PG&E involved immediately in the proposal evaluation submitted by the Contractor if the work involved is at the request of the Utilities. This item will be brought back to the CMB once the RE has met with PG&E and has agreed upon a negotiated cost for the work. Status: 12/12 <i>This item was not discussed at this week's meeting.</i>	
2- 12/06/12	1252 - Mark Benson and Sarah Wilson presented for content and structure the Summary Record of Negotiations for COR 007 - Oil filled pipe @ Launch Box. The CMB suggested the RE revised the summary to show the delta between the Contractor's estimate and the final negotiated amount, also to expand on the informational story of the timeline of negotiations. In addition the CMB also recommend the heading "Negotiated Reduction" referring to the incorrectly used labor rates for the subcontractor be revised to read "Disputed Amount". Status: 12/12 <i>This item was not discussed at this week's meeting.</i>	S. Wilson 12/19/12
4- 12/06/12	1252 - Sarah Wilson presented Evaluation of Merit of, COR 012 - Archaeological impacts at the Moscone north headwall – While excavating at the MOS north headwall the Contractor discovered archaeological artifacts within the excavation area along 4 th St. The Contractor was requested to provide support to the archaeological team for excavation and removal of the artifacts. CMB did not agree with merit , requesting further information be presented regarding the method of dealing with State Historic Preservation Officer (SHPO) concurrence. The CMB also requested knowledge of who dictated the artifacts to be bagged as well as the current location of the bagged items. R. Edwards will take the lead on acquiring more facts on the deciding method of removal of artifacts. This item will be brought back to the CMB at a later date. Status: 12/12 <i>R. Edwards provided clarification to last week's action item; how MOS headwalls midden were for addressed. The field implemented the modified procedure which is based on what is to be done at Moscone station mass excavation; currently contained in Archeological Testing Plan. The basic parameters of the MOS process were applied to the trench, putting the midden into bags storing it and sampling it on site so the construction can continue to move on. The sample is examined on site to see if there is anything materially different than what has been seen before, if there wasn't then it is disposed of on site, which is how the spec reads and what took place. The CMB agreed with merit for work associated with the support the Contractor provided for removing the midden; putting it in bags and disposing on the site. CLOSED</i>	
10- 12/06/12	1252 – Sarah Wilson presented Evaluation of Merit of, COR 041 – Full time flagger for one night shift of work. Emergency Flagger was provided per the request of the SFMTA in order to facilitate PG&E as required to finish the abandoning of the live power feed to the Launch Box area. CMB agreed with merit for work associated with use of flagger to facilitate the work. The CMB requested signoff to be submitted to PG&E and this item be tracked on force account to PG&E. COR will be re-written to include text "cost will be charged to PG&E". Status: 12/12 <i>This item was not discussed at this week's meeting</i>	S. Wilson 12/19/12
1-	1252 – Sarah Wilson presented Evaluation of Merit of; COR 022 – Moscone Asbestos Pipe Abatement at North Headwall – Contractor discovered an asbestos laden transite pipe during utility demo at Moscone North Headwall on 4 th St. between Howard and Folsom St. AT&T conduit was shown on contract drawings, but does not depict it having asbestos material. The CMB agreed with partial merit for work associated with removal and disposal of the hazardous material only. Cost for removal and disposal in accordance with Bid Item GE-8 an allowance has been establish to pay for Environmental Mitigation. In addition the CMB requested as a follow up action validation from Design Oversight that 1300 contract documents include as built information regarding AT&T conduit and noting it is asbestos pipe.	R. Edwards 01/09/13
2-	1252 – Sarah Wilson presented Evaluation of Merit of; COR 026 – Moscone Asbestos Pipe Abatement at South Headwall - Contractor discovered an asbestos laden transite pipe during utility demo at Moscone South Headwall on 4 th St. between Howard and	

ITEM #	DISCUSSION	ACTION BY DUE DATE
	Folsom St. AT&T conduit was shown on contract drawings, but does not depict it has asbestos material. The CMB agreed with partial merit for work associated with removal and disposal. Cost for removal and disposal in accordance with Bid Item GE-8 an allowance establish to pay for Environmental Mitigation.	
3-	1252 – Sarah Wilson presented Evaluation of Merit of; COR 027 – Oil Filled Pipe at South Headwall - Contractor discovered a six inch diameter oil filled pipe during utility demolition activities at the Moscone South Headwall location on Fourth St. between Howard Avenue and Folsom Street which was not shown on the drawings. CMB agreed with merit for differing site condition work associated with removal, abatement and disposal of the oil filled pipe. Costs for the removal, abatement and disposal of the oil filled pipe shall be considered for compensation under and in accordance with Bid Item GE-8 - Environmental Mitigation Allowance. In addition the RE stated all utility information which may or may not have been provided to the Contractor will be transferred to the as built full size drawings and a representative from the Design team will be able to view them at the Contractor's trailer.	
4-	1252 – Sarah Wilson presented Evaluation of Merit of, COR 050 – Retrieval Shaft – Removal of 12” Steel Pipe - Contractor discovered and removed a 12” Steel pipe not shown on the contract drawings 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. The abandon steel pipe was not shown on the contract drawings. The CMB agreed with merit for differing site condition work associated with the removal of the 12” Steel pipe.	
5-	1252 – Sarah Wilson presented Evaluation of Merit of, COR 058 – Retrieval Shaft –10” Unmarked Steel Pipe – Contractor discovered an abandoned 10” steel pipe at the intersection of Union St. and Columbus Ave., which was not shown on the contract drawings. Pipe removal was necessary to complete construction of the 36” RCP sewer main relocation work. The CMB agreed with merit for differing site condition for work associated with removal of the steel pipe.	
6-	1252 – Sarah Wilson presented Evaluation of Merit of, COR 066 – Retrieval Shaft – 12” Steel Pipe in AT&T Vault #176 – Contractor removed an abandoned 12” Steel pipe from an AT&T vault. Pipe was not shown on the contract drawings. Removal of the pipe was necessary to give access to AT&T to make connections inside the vault. The CMB agreed with merit for work associated with for differing site condition for work associated with removal of the steel pipe. This item will be tracked through the Form B process for reimbursement from AT&T.	
7-	1252 – Rich Redmond opened up for discussion contract 1252 cost changes to date. Seeking opinions of action of how the Program could pursue receiving a credit back from the Contractor for some of the cost changes incurred in aiding the Contractor to do their work more efficiently. The CMB suggested the first step would be to have a dialogue with the Contractor informing them of the intent to recoup time impact related cost. The RE will report back on how the conversation was received by the Contractor.	
8-	The Project Trend/Change Control Log was not reviewed at this meeting but will be included with the distribution of these meeting minutes.	


ACTION ITEMS

ITEM #	MTG DATE	MTG ACTION DATE	DESCRIPTION	BIC	DUE DATE	STATUS
5	08/08/12	08/29/12	1252 – PCC 1252-02 UMS Headwalls	M. Benson	10/10/12	Open

1	11/07/12	11/07/12	1300 – WP 1254 – SF Planning Request	R. Edwards	11/28/12	Open
3	11/14/12	11/14/12	1252 – COR 033 – Retrieval Shaft – 20" Water Line	S. Wilson	11/21/12	Open
1	11/28/12	11/28/12	1251 – Negotiated cost for additional work Related to PG&E Facilities - Trends #05, 46, 51, 55, 61, 63, 66, 69 & 79	M. Acosta	12/05/12	Open
2	12/05/12	12/05/12	1252 – COR 007 – Summary Record of Negotiations – rewrite	S. Wilson	12/19/12	Open
4	12/05/12	12/05/12	1252 – COR 012 - Archaeological impacts at the MOS north headwall – SHPO Concurrence	S. Wilson/ R. Edwards	12/19/12	CLOSED
10	12/05/12	12/05/12	1252 – COR 041 - Full time flagger – Re-write "to be charged to PG&E"	S. Wilson	12/19/12	Open
2	12/12/12	12/12/12	1252 – Validation 1300 docs include as built information regarding Asbestos Pipes	R. Edwards	01/09/13	Open

Meeting adjourned at 5:00pm

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: 02 Jan 13 [Date review completed]

Meeting Agenda

Project No. M544.1, Contract No. CS-149
Program/Construction Management
Configuration Management Board (CMB) Meeting No. 106
December 12, 2012
3:00pm – 5:00pm
 Central Subway Project Office
 821 Howard St. 2nd Floor
 Main Conference Room

Attendees:

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

1. **1250** – Nothing to Report

2. **1251** – Nothing to Report

3. **1252** – COR 012 - Archaeological impacts at the Moscone north headwall - Approval
 - COR 022 - MOS - Asbestos Pipe at north headwall - Merit
 - COR 026 - MOS - Asbestos Pipe at south headwall - Merit
 - COR 027 - MOS - Oil filled pipe at south headwall - Merit
 - COR 050 - Ret Shaft - 12" steel pipe removal at Union/Columbus - Merit
 - COR 058 - Ret Shaft - Additional 10" steel pipe removal - Merit
 - COR 066 - Retrieval Shaft - Unmarked 12" Steel Pipe - Merit

1. **1253 (UMS)** – Nothing to Report

2. **1254 (CTS)** – Nothing to Report

3. **1255 (MOS)** – Nothing to Report

4. **1256 (STS)** – Nothing to Report

5. **Trend/Change Log** –

6. **Other Business** –

Meeting Attendance Sheet

Project No. M544.1, Contract No. 149

Program/Construction Management

Configuration Management Board Meeting No. 106

December 12, 2012

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	<i>MB</i>
Edwards, Ross	CSP	(415) 701-5296	Ross.Edwards@sfmta.com	<i>RE</i>
Farhangi, Shahn timer	SFMTA	(415) 554-0721	Shahn timer.Farhangi@sfmta.com	
Funghi, John	SFMTA	(415) 701-4299	John.Funghi@sfmta.com	<i>JF</i>
Haley, John	SFMTA		John.Haley@sfmta.com	
Hoe, Albert	SFMTA	(415) 701-4289	Albert.Hoe@sfmta.com	<i>AH</i>
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	<i>ML</i>
Lebovitz, Brad	STV/PMOC	(510) 464-8052	Bradley.lebovitz@stvinc.com	<i>BL</i>
Lee, Matt	SFCTA	(415) 522-4813	matt@sfcta.org	<i>ML</i>
Nguyen, Roger	SFMTA	(415) 701-4312	Roger.Nguyen@sfmta.com	<i>RN</i>

central subway

NAME	AFFILIATION	PHONE	E-MAIL (for minutes)	INITIALS
Park, Joon	SFMTA	(415) 701-4742	Joon.Park@sfmta.com	JP
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	SW
Wong, Arthur	SFMTA	(415) 701-4305	Arthur.Wong@sfmta.com	
Zurinaga, Luis	SFCTA	(415) 716-6956	Luis.zurinaga@sfcta.org	LZ

SFMTA Contract No. 1252

Contractor: Barnard Impregilo Healy JV (BIH)

EVALUATION OF MERIT

COR 012


Recommendation: Accept justification of Merit for COR 012 - Archaeological impacts at the Moscone north headwall.


Facts: On July 2nd, 2012, while excavating for guidewalls at the Moscone north headwall the Contractor discovered archaeological artifacts within the excavation area. The Contractor immediately notified the Engineer. The Program's Archaeologist, with concurrence of the Environmental Review Officer (ERO), implemented a modified process based on the Archaeological Testing Plan (ATP) for Moscone Station, to specifically address trenching conditions. The modified process involved bagging midden, moving to available area at the work site so that guidewall excavation could continue, screening a sample of the midden at site, confirming no new or additional artifacts were found, and disposing of midden at the site with other excavation.

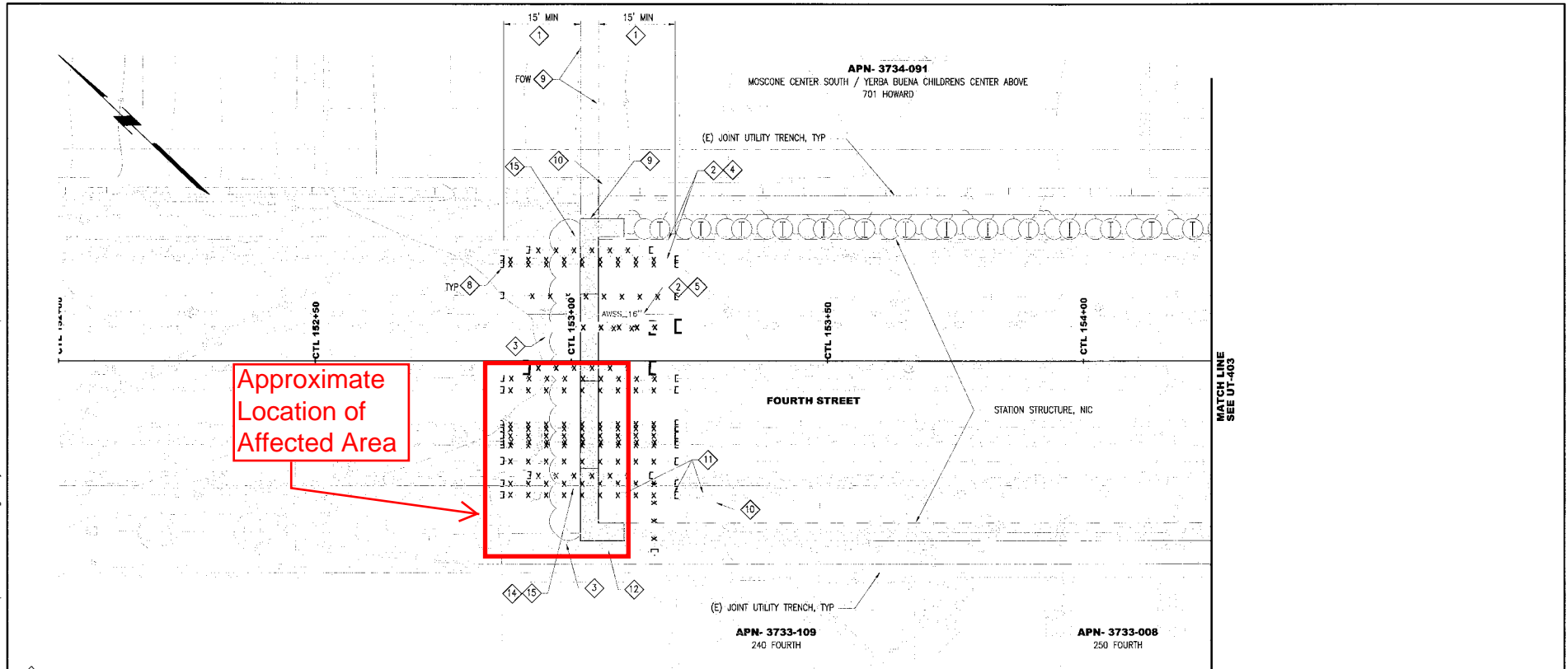
The Contractor's crew was requested by SFMTA to provide support to the Archaeological team for excavation and safe handling of the material. By July 6th, 2012 work or impacts associated with this discovery had been completed. A time extension has not been requested for this work.

Contractor Rationale for COR: The Contractor contends archeological artifacts encountered at the site were a differing condition, as it was not shown on the bid documents. As a result the Contractor provided support for the removal of the materials and claims to have experienced standby to their equipment.

Justification: Special Provisions section SP-17.G - Discovery of Archaeological Sites states in part: Upon discovery and written notification of any archeological materials, costs for mitigation measures shall be provided as additional work under the Allowance set-aside within the Contract for that purpose.

By:  _____ 12/11/12
Sarah Wilson Date
Resident Engineer

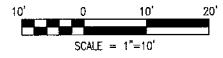
 _____ 12-11-12
Configuration Management Board Date
Approval



Approximate Location of Affected Area

NOTES:

1. DEMOLISH AND REMOVE ALL ABANDONED UTILITY FACILITIES, INCLUDING PREVIOUSLY ABANDONED FACILITIES NOT SHOWN ON PLANS, AT JET GROUT OR HEADWALL LIMIT.
2. ACTIVE UTILITIES SHALL BE MAINTAINED UNTIL RELOCATION OR CUT OVER, UNLESS OTHERWISE NOTED. COORDINATE DEMOLITION WITH HEADWALL CONSTRUCTION PHASING.
3. PROTECT (E) SEWER.
4. SEE (WD) DRAWINGS FOR ABANDONMENT AND REMOVAL OF WATER FACILITIES.
5. SEE (AW) DRAWINGS FOR ABANDONMENT AND REMOVAL OF AWSS FACILITIES.
6. PROTECT (E) AT&T FACILITIES.
7. PROTECT (E) JOINT TRENCH.
8. CAP OR PLUG ALL ABANDONED FACILITIES INCLUDING PREVIOUSLY ABANDONED FACILITIES NOT SHOWN ON PLANS AT JET GROUT LIMIT.
9. PROPOSED STATION HEADWALL. SEE (ES) DRAWINGS FOR LOCATION AND DETAILS SEE. CONTRACTOR SHALL VERIFY THE HEADWALL LOCATION PRIOR TO COMMENCEMENT OF DEMOLITION.
10. TEMPORARILY REMOVE (E) STREET LIGHT IF NECESSARY FOR CONSTRUCTION AND REINSTALL AFTER HEADWALL CONSTRUCTION.
11. (E) PARKING METERS. CONTACT DPT IF DEMOLITION IS REQUIRED. SEE CONTRACT SPECIFICATIONS FOR MORE INFORMATION. IF REMOVED, REINSTALL IN SAME LOCATION AFTER HEADWALL CONSTRUCTION.
12. REMOVE (E) TREE AS CONTRACTOR'S PROPERTY. PRIOR TO REMOVAL CONFIRM STREET TREE REMOVAL PERMIT WAS OBTAINED.
13. SEE (UT) DRAWINGS FOR TEMPORARY REMOVAL OF SEWER.
14. REMOVE (E) CURB AND GUTTER AS NECESSARY AND REINSTALL AFTER HEADWALL CONSTRUCTION.
15. SEE (PD) & (RP) FOR PAVEMENT REMOVAL AND RESTORATION.

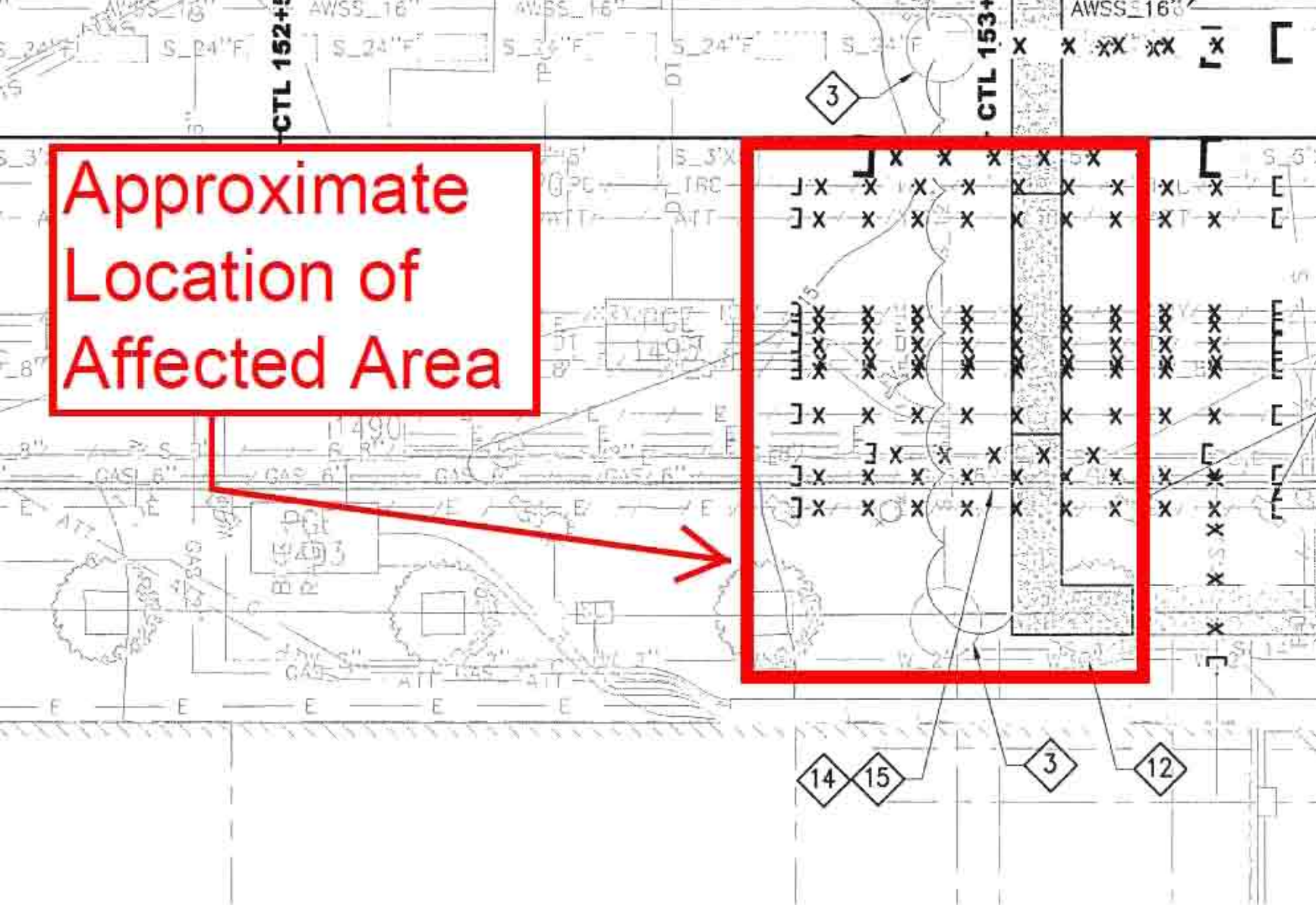
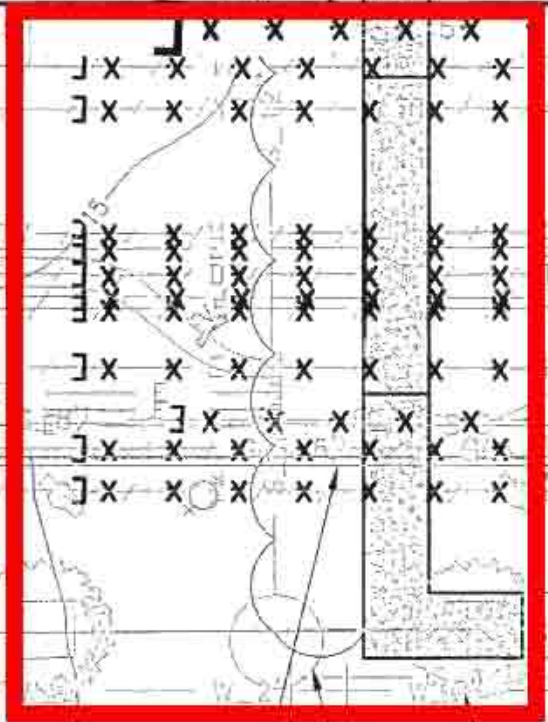


CONFORMED

<p>TELAMON ENGINEERING CONSULTANTS INC.</p>	<p>APPROVED</p> <p>EXECUTIVE DIRECTOR/CEO</p>	<p>CITY AND COUNTY OF SAN FRANCISCO MUNICIPAL TRANSPORTATION AGENCY</p>	<p>THIRD STREET LIGHT RAIL PROGRAM PHASE 2 – CENTRAL SUBWAY TUNNELS</p> <p>UTILITY DEMOLITION MOSCONE STATION CTL 152+00 TO 154+25</p>
<p>DATE: 01/21/2011 ISSUED FOR: BID DESCRIPTION: UTILITY DEMOLITION REV: 02 BY: [Signature] CHECKED: [Signature] APPROVED: [Signature]</p>	<p>DESIGNED BY: [Signature] CHECKED BY: [Signature] APPROVED BY: [Signature] DATE: JAN 23 2011</p>	<p>STAMP: PROFESSIONAL ENGINEER M. DEFORSE E. MATIAS D. CURRIN M. CHAH M. POWERS R. ENRIQUETA DATE: JAN 23 2011</p>	<p>CONTROL NO: 1252 DRAWING NO: CL-18029 SHEET NO: 82 OF 0</p>

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Approximate
Location of
Affected Area





07/05/2012 14:58

SFMTA Contract No. 1252

Contractor: Barnard Impregilo Healy JV (BIH)

EVALUATION OF MERIT

COR 022

Recommendation: Accept justification of partial Merit for additional costs associated with COR 022 – Moscone Asbestos Pipe Abatement at North Headwall. Costs for removal, abatement and disposal of asbestos laden transite pipe and debris shall be considered for compensation under and in accordance with Bid Item GE-8 - Environmental Mitigation Allowance. Cost for standby or loss of production shall not be considered for compensation.

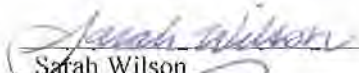
Facts: The Contractor discovered an asbestos laden transite pipe on 07/10/12 during utility demolition activities at the Moscone North Headwall location on Fourth St. between Howard Avenue and Folsom Street. The AT&T conduit was shown on the contract drawings but was not shown to contain asbestos material. The Contractor removed and disposed of the asbestos pipe and debris on 07/12/12. The Contractor did not submit a request for time extension.

Contractor Rationale for COR: The Contractor incurred costs during the removal, abatement and disposal of the asbestos pipe and debris. The Contractor is seeking reimbursement for these environmental mitigation costs. The Contractors is also claiming additional costs as their utility demolition crew were unable to continue productive demolition work after the discovery of the asbestos pipe.

Justification: Additional work and costs were incurred by the Contractor to handle and dispose of the asbestos laden pipe and debris. In accordance with technical specifications section 01-20-00 an allowance has been established to pay for Environmental Mitigation as needed and directed by the City. Standby or loss of production time is not justified because the Contractor was required to locate and identify the underground utilities in advance of the utility removal work.

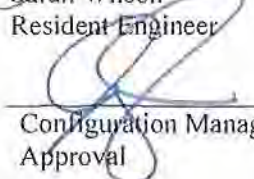
Change Type: (2) Unforeseen Condition

By:



Sarah Wilson
Resident Engineer

12/12/12
Date

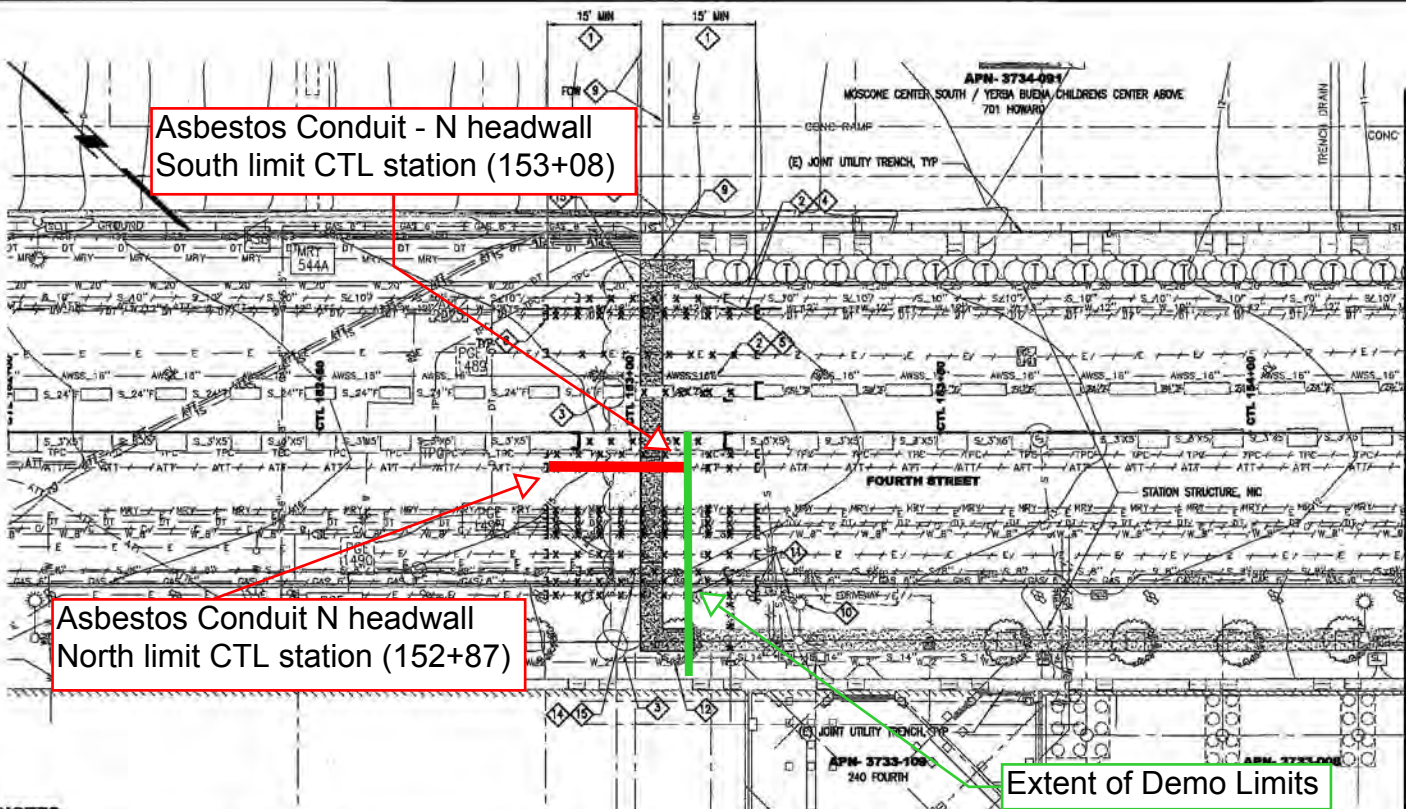


Configuration Management Board
Approval

12-12-12
Date

*INCLUDE PIPE
IN CONTRACT 1300*

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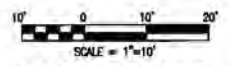
Asbestos Conduit - N headwall
South limit CTL station (153+08)

Asbestos Conduit N headwall
North limit CTL station (152+87)

Extent of Demo Limits

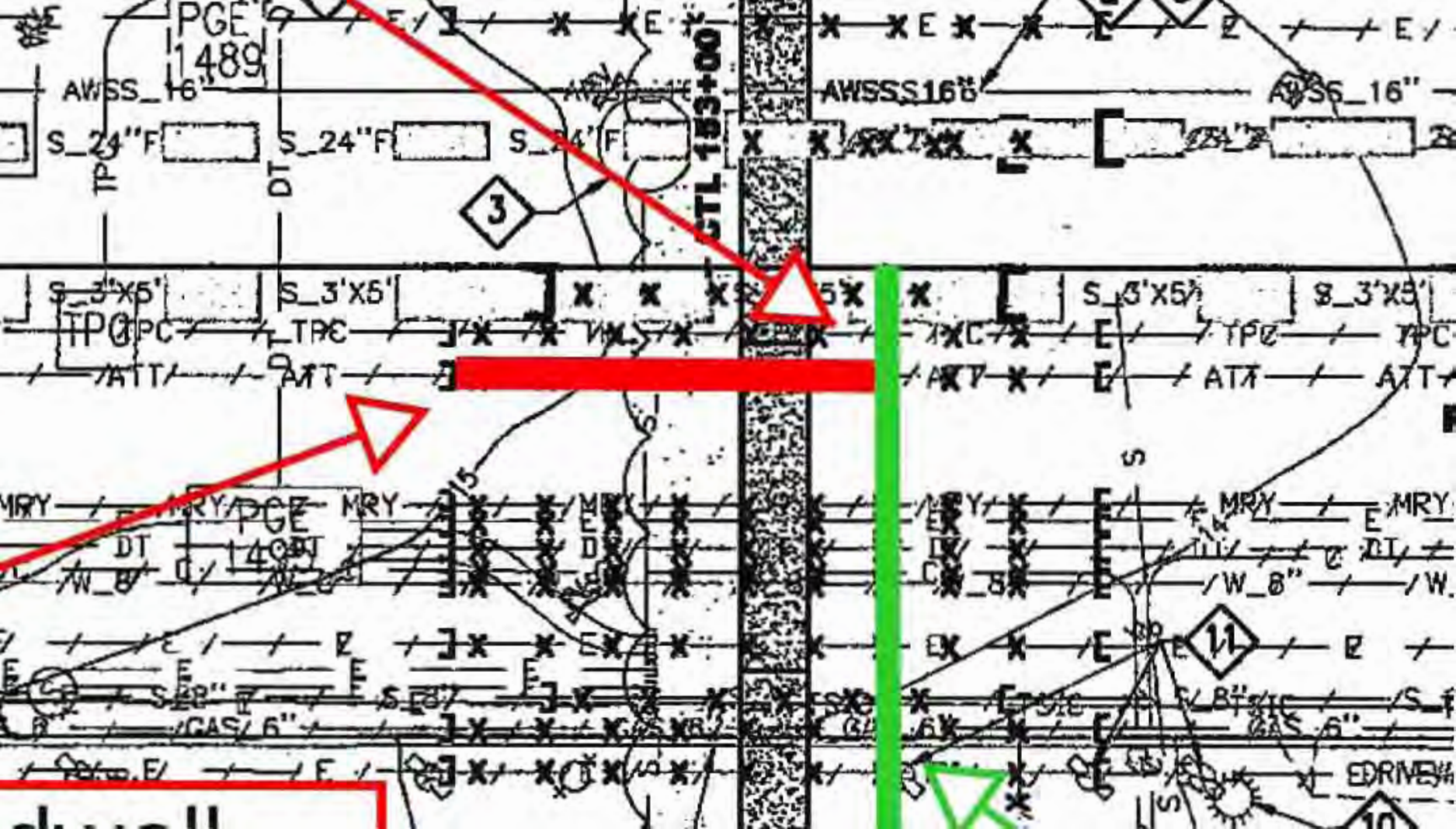
NOTES:

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14. REMOVE (E) CURB AND GUTTER AS NECESSARY AND REINSTALL AFTER HEADWALL CONSTRUCTION.
15. SEE (PD) & (RP) FOR PAVEMENT REMOVAL AND RESTORATION.



CONFORMED

				CITY AND COUNTY OF SAN FRANCISCO MUNICIPAL TRANSPORTATION AGENCY		THIRD STREET LIGHT RAIL PROGRAM PHASE 2 - CENTRAL SUBWAY TUNNELS		CONTRACT NO. 1252	
				APPROVED: DIRECTOR		UTILITY DEMOLITION MOSCONE STATION CTL 152+00 TO 154+25		CIVIL ENGINEERING CONSULTANTS INC.	
DATE: 01/21/2011 ISSUED FOR: BID		PREPARED BY: M. J. DELO... CHECKED BY: J. J. DELO... DATE: JAN 21 2011		CITY AND COUNTY OF SAN FRANCISCO OFFICE OF THE DIRECTOR OF PUBLIC WORKS		DRAWING NO. UD-402		REVISION 0	



PGE
1489

GTL 193+00

3

11

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AWSS 16

AWSS 16

AWSS 16

S 24" F

S 24" F

S 24" F

S 24" F

S 24" F

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07/12/2012 10:16



07/12/2012 09:43

SFMTA Contract No. 1252

Contractor:

Barnard Impregilo Healy JV (BIH)

EVALUATION OF MERIT

COR 026

Recommendation: Accept justification of partial Merit for additional costs associated with COR 026 – Moscone Asbestos Pipe Abatement at South Headwall. Costs for removal, abatement and disposal of asbestos laden transite pipe shall be considered for compensation under and in accordance with Bid Item GE-8 - Environmental Mitigation Allowance. Cost for standby or loss of production shall not be considered for compensation.

Facts: The Contractor discovered an asbestos laden transite pipe on 08/06/12 during utility demolition activities at the Moscone South Headwall location on Fourth St. between Howard Avenue and Folsom Street. The AT&T conduit was shown on the contract drawings but was not shown to contain asbestos material. Removal and disposal of the asbestos pipe was completed by 08/15/12. The Contractor did not submit a request for time extension.

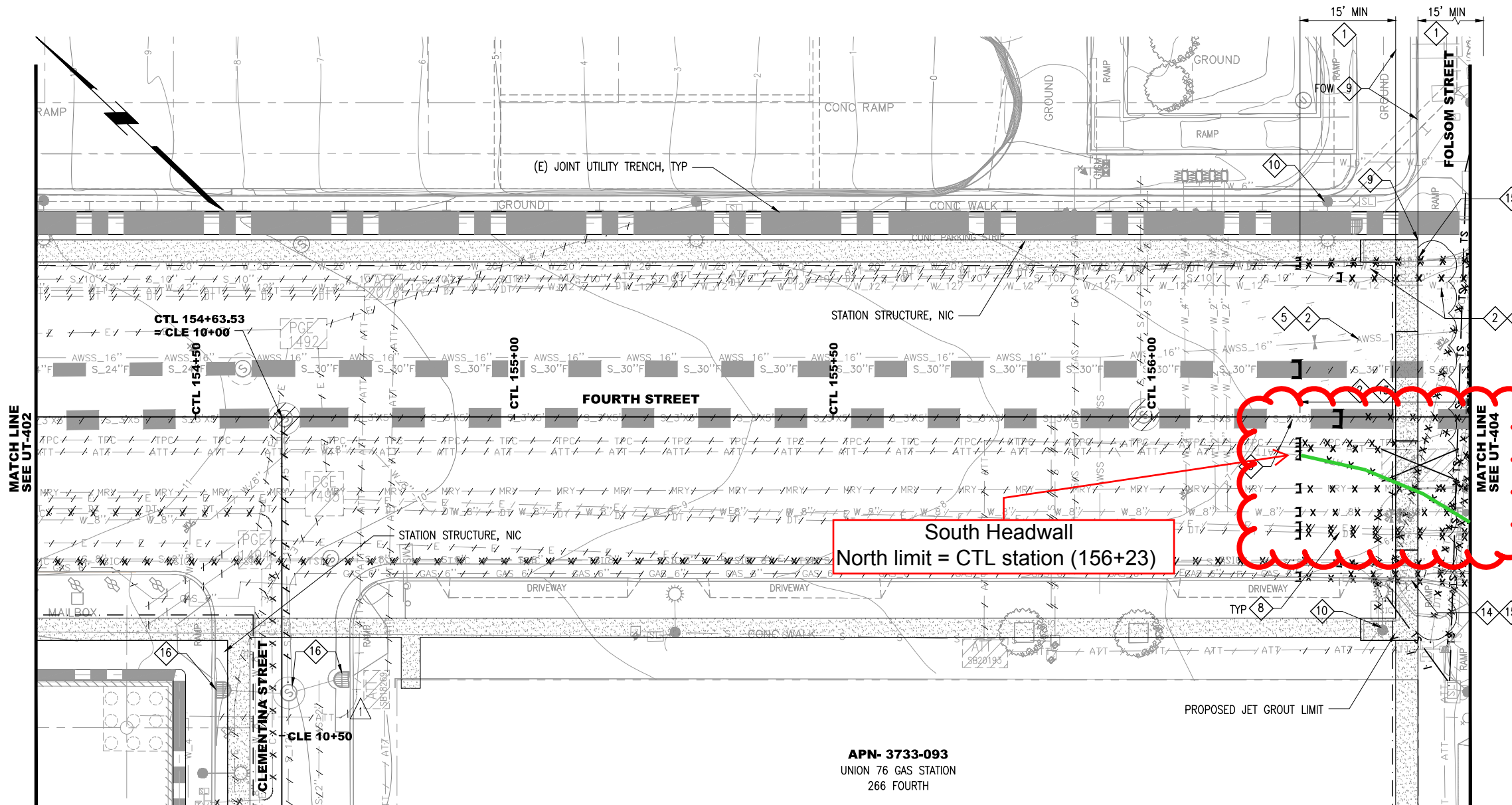
Contractor Rationale for COR: The Contractor incurred costs during the removal, abatement and disposal of the asbestos pipe. The Contractor is seeking reimbursement for these environmental mitigation costs. The Contractor is also claiming additional costs as their utility demolition crew were unable to continue productive demolition work after the discovery of the asbestos pipe.

Justification: Additional work and costs were incurred by the Contractor to handle and dispose of the asbestos laden pipe. In accordance with technical specifications section 01-20-00 an allowance has been established to pay for Environmental Mitigation as needed and directed by the City. Standby or loss of production time is not justified because the Contractor was required to locate and identify the underground utilities in advance of the utility removal work.

Change Type: (2) Unforeseen Condition

By:  _____ 12/12/12
Sarah Wilson Date
Resident Engineer
 _____ 12-12-12
Configuration Management Board Date
Approval

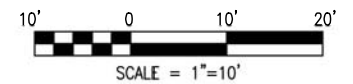
*INCLUDE PIPE
IN CONTRACT 1300*



NOTES:

1. DEMOLISH AND REMOVE ALL ABANDONED UTILITY FACILITIES, INCLUDING PREVIOUSLY ABANDONED FACILITIES NOT SHOWN ON PLANS, AT JET GROUT OR HEADWALL LIMIT.
2. ACTIVE UTILITIES SHALL BE MAINTAINED UNTIL RELOCATION OR CUT OVER, UNLESS OTHERWISE NOTED. COORDINATE DEMOLITION WITH HEADWALL CONSTRUCTION PHASING.
3. PROTECT (E) SEWER.
4. SEE (WD) DRAWINGS FOR ABANDONMENT AND REMOVAL OF WATER FACILITIES.
5. SEE (AW) DRAWINGS FOR ABANDONMENT AND REMOVAL OF AWSS FACILITIES.
6. PROTECT (E) AT&T FACILITIES.
7. PROTECT (E) JOINT TRENCH.
8. CAP OR PLUG ALL ABANDONED FACILITIES INCLUDING PREVIOUSLY ABANDONED FACILITIES NOT SHOWN ON PLANS AT JET GROUT LIMIT.
9. PROPOSED STATION HEADWALL. SEE (ES) DRAWINGS FOR LOCATION AND DETAILS. CONTRACTOR SHALL VERIFY THE HEADWALL LOCATION PRIOR TO COMMENCEMENT OF DEMOLITION.
10. TEMPORARILY REMOVE (E) STREET LIGHT AND REINSTALL AFTER HEADWALL CONSTRUCTION.
11. (E) PARKING METERS. CONTACT DPT IF DEMOLITION IS REQUIRED. SEE CONTRACT SPECIFICATIONS FOR MORE INFORMATION. IF REMOVED, REINSTALL IN SAME LOCATION AFTER HEADWALL CONSTRUCTION.
12. REMOVE (E) TREE AS CONTRACTOR'S PROPERTY. PRIOR TO REMOVAL CONFIRM STREET TREE REMOVAL PERMIT WAS OBTAINED.
13. SEE (UT) DRAWINGS FOR TEMPORARY REMOVAL OF SEWER.
14. REMOVE (E) CURB AND GUTTER AS NECESSARY AND REINSTALL AFTER HEADWALL CONSTRUCTION.
15. SEE (PD) & (RP) FOR PAVEMENT REMOVAL AND RESTORATION.
16. (E) CATCH BASINS WILL REMAIN ACTIVE AND RE-DIRECT SEWER FLOW AWAY FROM STATION JET GROUT WALL.

FOR ORIGINAL SIGNATURES, SEE CL-18030, REV. 0.

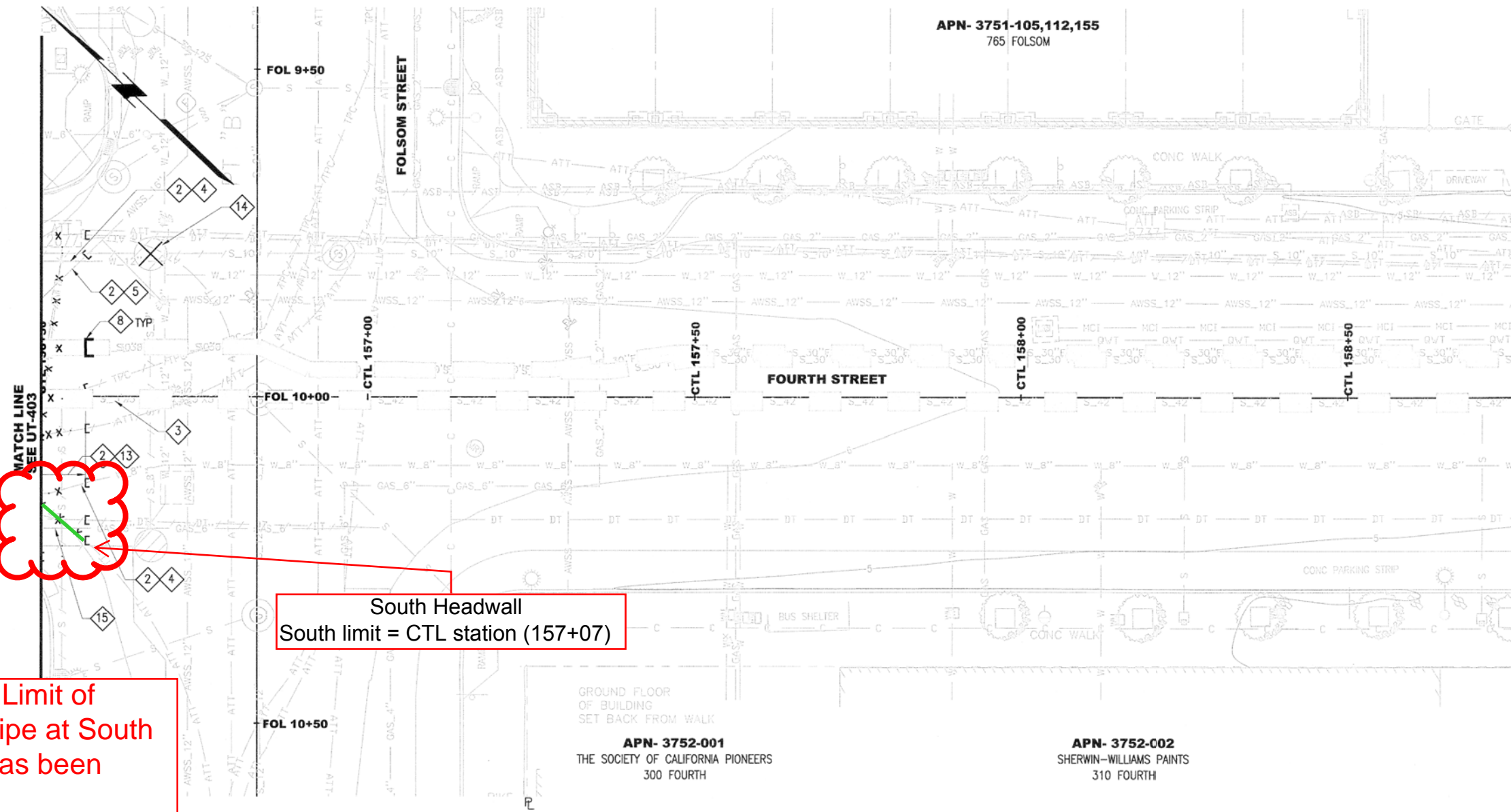


CONFORMED

				DESIGNED: M. DEFORGE DRAWN: E. MATIAS CHECKED: D. ZUJURING REVIEWED: M. CHAN RECOMMENDED: M. FOWLER APPROVED: R. EDWARDS DATE: JAN 21, 2011		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		CONTRACT NO. 1252 SFMTA CONTROL NO. CL-18030	
05/04/2011 ISSUED FOR ADDENDUM 5 01/21/2011 ISSUED FOR BID		DATE DESCRIPTION		REV. NO. BY CHECKED APPROVED		0 DZ MC RE				APPROVED CARTER R. ROHAN EXECUTIVE DIRECTOR/CEO		UTILITY DEMOLITION MOSCONE STATION CTL 154+25 TO 156+50		DRAWING NO. UD-403 SHEET NO. 1		REVISION 1	

\\s6nos003\m544.1\FinalDesign\Drawing-821\2-Civil\Utility Demolition\Sheet Files CP03\M54423UD403_R1C.dwg fboyani Thu Aug 25, 2011 - 9:21 am UD-403_R1C

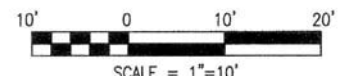
APN- 3751-105,112,155
765 FOLSOM



COR 026 - Limit of Asbestos pipe at South Headwall has been demo'ed.

**South Headwall
South limit = CTL station (157+07)**

- 1. ABANDONED UTILITY FACILITIES, INCLUDING PREVIOUSLY ABANDONED FACILITIES NOT SHOWN ON PLANS, AT JET GROUT OR HEADWALL LIMIT.
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- 3. PROTECT (E) SEWER.
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- 5. SEE (AW) DRAWINGS FOR ABANDONMENT AND REMOVAL OF AWSS FACILITIES.
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- 13. SEE (UT) DRAWINGS FOR TEMPORARY REMOVAL OF SEWER.
- 14. REMOVE ABANDONED SEWER MANHOLE AS CONTRACTOR'S PROPERTY.
- 15. PROTECT (E) GAS LINE.



CONFORMED

S:\6nocs003\ms544.1\FinalDesign\Drawing-821\2-Civil\Utility Demolition.dwg FBayani Wed Jan 26, 2011 - 2:26 pm UD-404

DATE	ISSUED FOR	DESCRIPTION	REV. NO.	BY	CHECKED	APPROVED
01/21/2011	ISSUED FOR BID		0			

PB TELAMON
TELAMON ENGINEERING CONSULTANTS INC.

DESIGNED: M. DEFORGE
DRAWN: E. MATIAS
CHECKED: D. ZUURING
REVIEWED: M. CHAN
RECOMMENDED: M. FOWLER
APPROVED: R. EDWARDS
DATE: JAN 21 2011

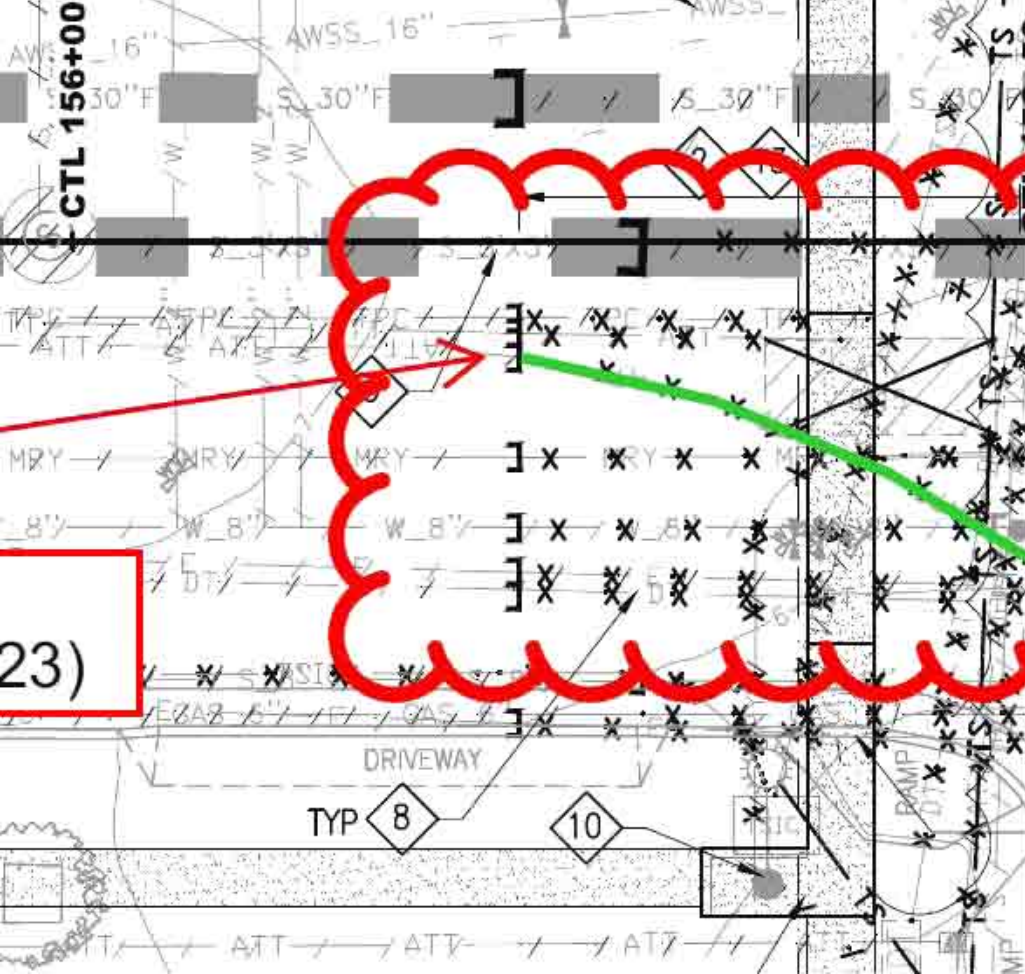
CITY AND COUNTY OF SAN FRANCISCO
MUNICIPAL TRANSPORTATION AGENCY

APPROVED: [Signature]
EXECUTIVE DIRECTOR/CEO

THIRD STREET LIGHT RAIL PROGRAM
PHASE 2 - CENTRAL SUBWAY TUNNELS

UTILITY DEMOLITION
MOSCONE STATION
CTL 156+50 TO 158+75

CONTRACT NO. 1252
SFMTA CONTROL NO. CL-18031
DRAWING NO. UD-404
SHEET NO. 84
REVISION 0



CTL 156+00

23)

**MATCH LINE
SEE UT-404**

S
h



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2017-12-10 19:34:34



2012/03/10 09:35:01AM





08/14/2012 14:15



08/14/2012 14:14

SFMTA Contract No. 1252

Contractor: Barnard Impregilo Healy JV (BIH)

EVALUATION OF MERIT

COR 027

Recommendation: Accept justification of Merit for the costs associated with COR 027 - Moscone - Oil Filled Pipe at South Headwall. Costs for the removal, abatement and disposal of the oil filled pipe shall be considered for compensation under and in accordance with Bid Item GE-8 - Environmental Mitigation Allowance.

Facts: The Contractor discovered a six inch diameter oil filled pipe during utility demolition activities at the Moscone South Headwall location on Fourth St. between Howard Avenue and Folsom Street. The pipe was not shown on the contract drawings. The Contractor completed removal and disposal of the pipe on 08/17/12. The Contractor did not submit a request for time extension for this work.

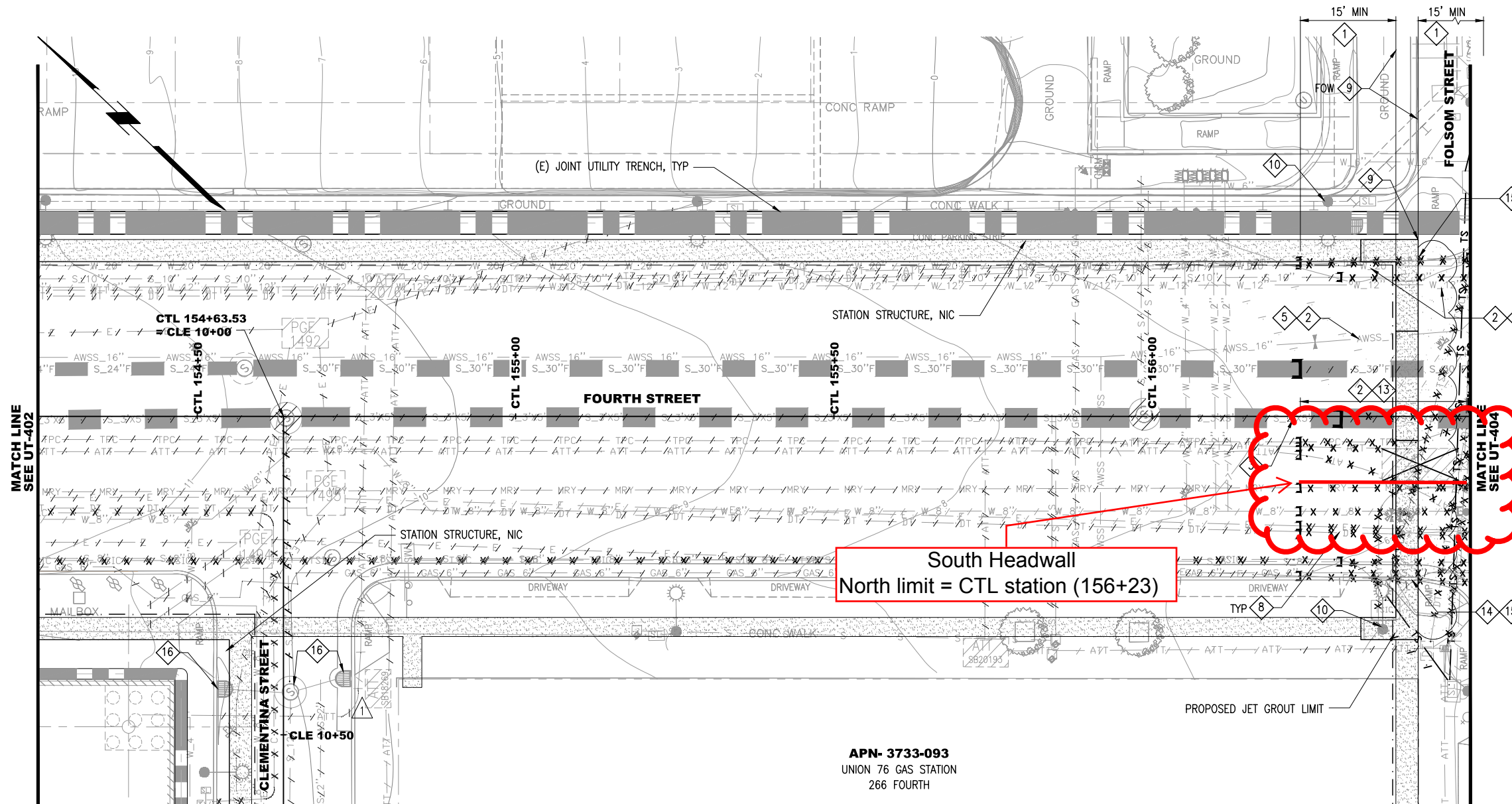
Contractor Rationale for COR: The Contractor incurred costs during the removal, abatement and disposal of the oil filled pipe and is seeking reimbursement for these environmental mitigation costs.

Justification: Additional work and costs were incurred by the Contractor to handle and dispose of the oil filled pipe. In accordance with technical specifications section 01-20-00 an allowance has been established to pay for Environmental Mitigation as needed and directed by the City.

Change Type: (2) Unforeseen Condition

By: _____ Date _____
Sarah Wilson
Resident Engineer

_____ Date _____
Configuration Management Board
Approval

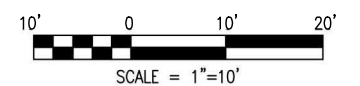


South Headwall
North limit = CTL station (156+23)

Oil filled pipe removed at MOS

NOTES:

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4. SEE (WD) DRAWINGS FOR ABANDONMENT AND REMOVAL OF WATER FACILITIES.
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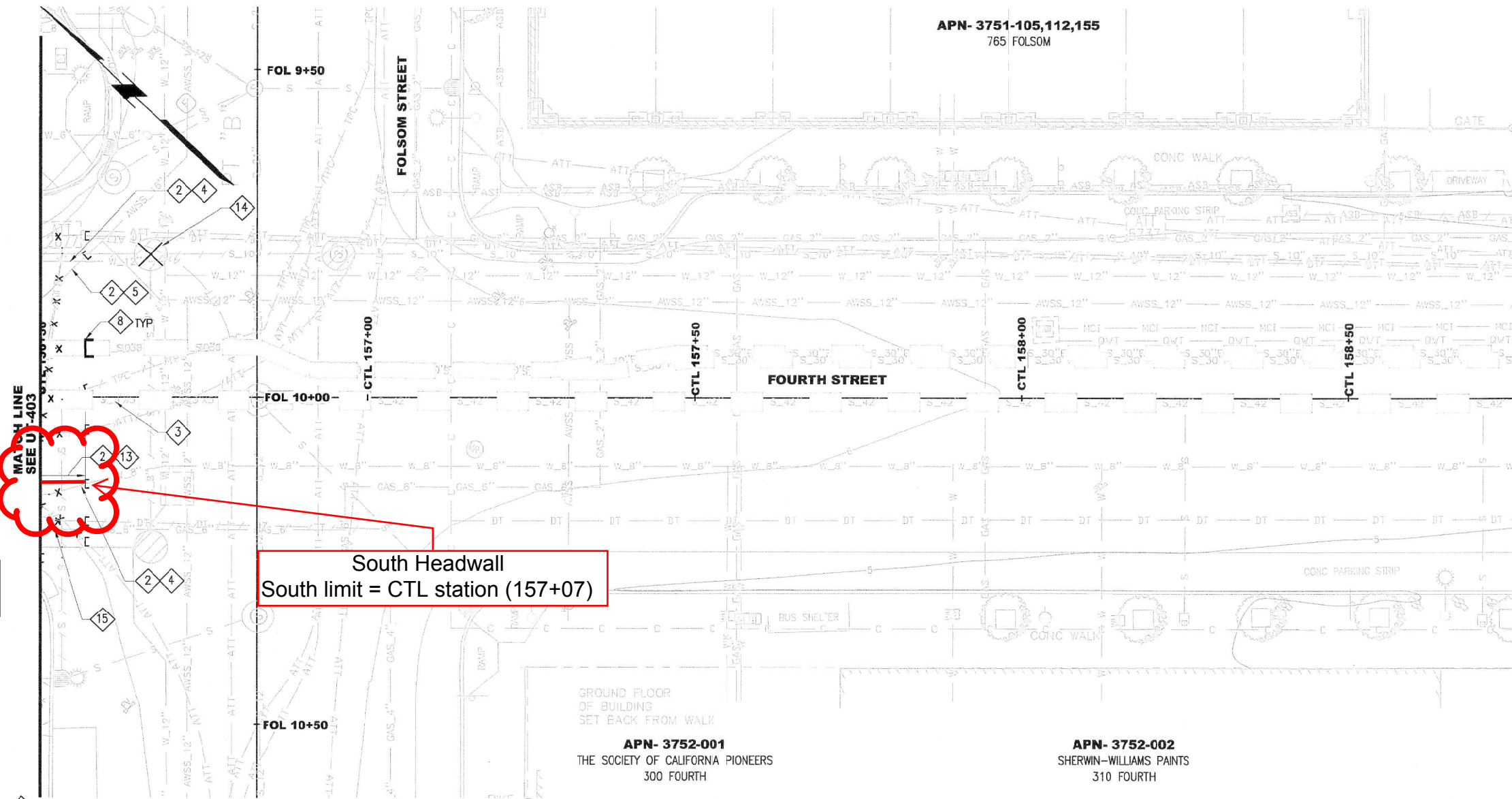


CONFORMED

\\s6nas003\m544.1\FinalDesign\Drawing-821\2-Civil\Utility Demolition\Sheet Files CP03\M54423UD403_R1C.dwg fboyani Thu Aug 25,2011 9:21 am UD-403_R1C

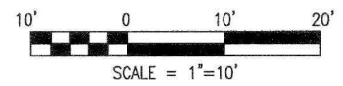
				DESIGNED: M. DEFORGE DRAWN: E. MATIAS CHECKED: D. ZUURING REVIEWED: M. CHAN RECOMMENDED: M. FOWLER APPROVED: R. EDWARDS DATE: JAN 21, 2011		REV. 0 SEALED BY M. CHAN				CITY AND COUNTY OF SAN FRANCISCO MUNICIPAL TRANSPORTATION AGENCY APPROVED CARTER R. ROHAN EXECUTIVE DIRECTOR/CEO		THIRD STREET LIGHT RAIL PROGRAM PHASE 2 - CENTRAL SUBWAY TUNNELS UTILITY DEMOLITION MOSCONE STATION CTL 154+25 TO 156+50		CONTRACT NO. 1252 SFMTA CONTROL NO. CL-18030 DRAWING NO. UD-403 SHEET NO.		REVISION 1	
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APN- 3751-105,112,155
765 FOLSOM



NOTES:

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14. REMOVE ABANDONED SEWER MANHOLE AS CONTRACTOR'S PROPERTY.
15. PROTECT (E) GAS LINE.



CONFORMED

\\sv6nas003\ms544.1\FinalDesign\Drawing-821\2-Civil\Utility Demolition\Sheet Files CP03\M54423UD4\447 Bayou Wed Jan 26, 2011 - 2:26 pm UD-404

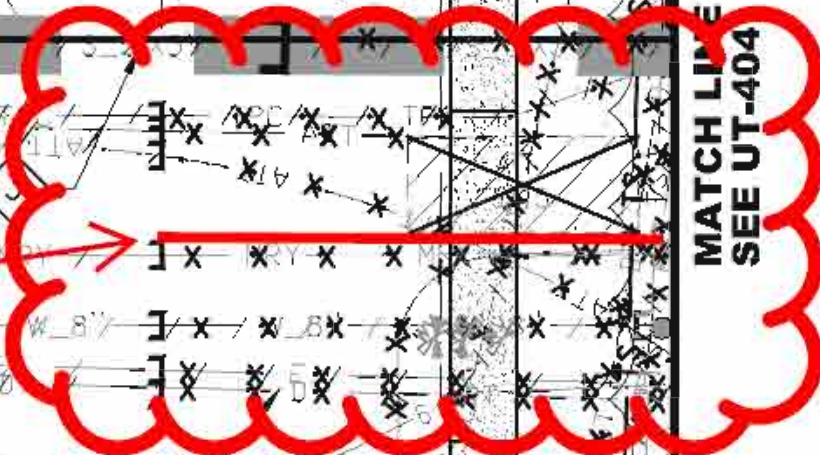
						CITY AND COUNTY OF SAN FRANCISCO MUNICIPAL TRANSPORTATION AGENCY		THIRD STREET LIGHT RAIL PROGRAM PHASE 2 - CENTRAL SUBWAY TUNNELS		CONTRACT NO. 1252	
		TELAMON ENGINEERING CONSULTANTS INC.				APPROVED EXECUTIVE DIRECTOR/CEO		UTILITY DEMOLITION MOSCONE STATION CTL 156+50 TO 158+75		SFMTA CONTROL NO. CL-18031	
01/21/2011 ISSUED FOR BID		REV. 0		CHECKED BY: <i>[Signature]</i>		DATE: JAN 21 2011		DRAWING NO. UD-404		REVISION 0	
DATE DESCRIPTION REV. NO. BY CHECKED APPROVED								SHEET NO. 84		TOTAL SHEETS 84	

BCRDER REVISED 05/18/2005

(156+23)

CTL 156+00

Oil filled pipe removed at MOS



MATCH LINE
SEE UT-404



Oil Filled Pipe

2013/08/15 10:53:53



2012/08/15 15:20:50

SFMTA Contract No. 1252

Contractor: Barnard Impregilo Healy JV (BIH)

EVALUATION OF MERIT

COR 050

Recommendation: Accept justification of Merit for COR 050, Retrieval Shaft – Removal of 12" Steel Pipe.

Facts: 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. A time extension has not been requested for this work.

Contractor Rationale for COR: The steel pipe 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.

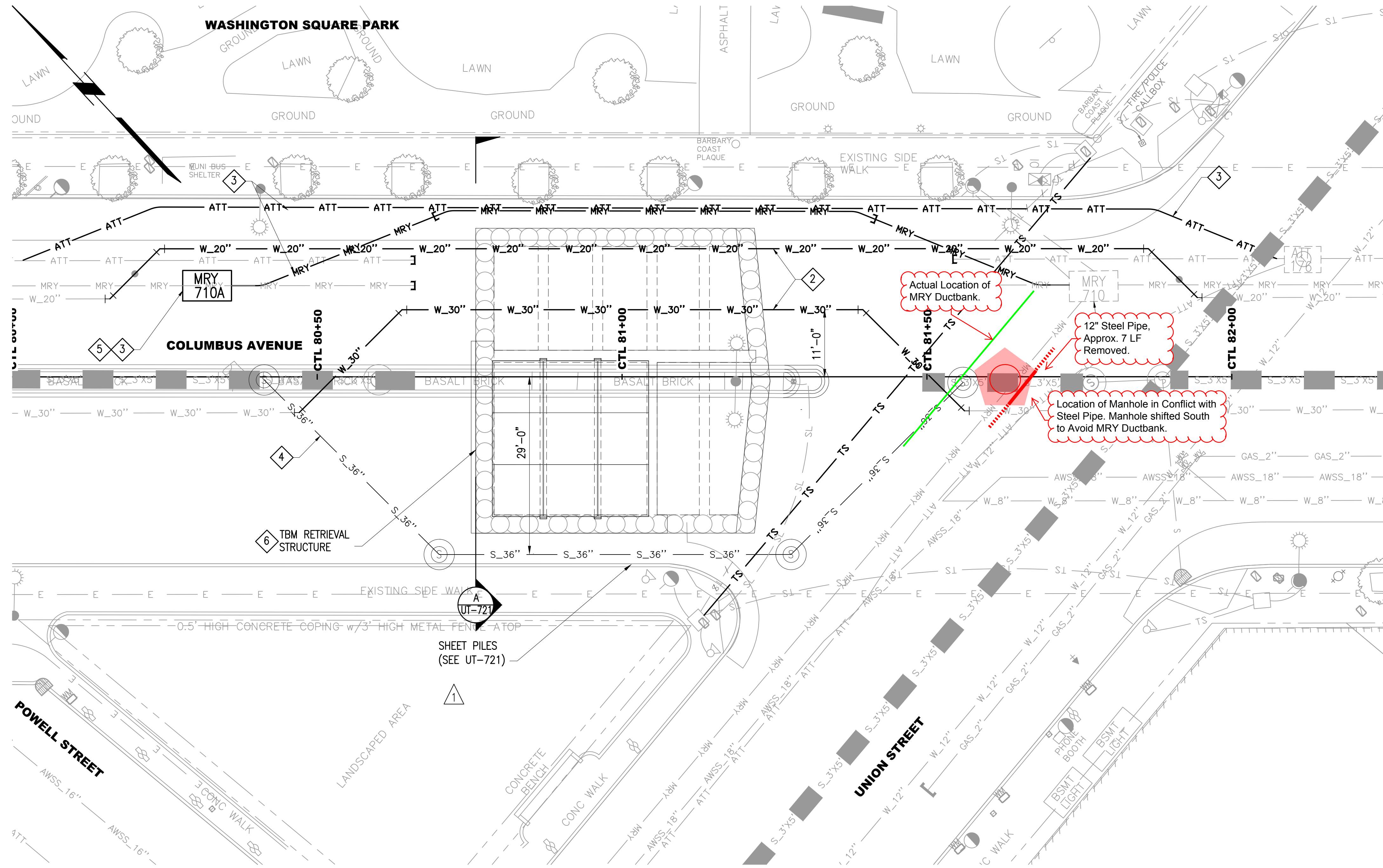
Change Type: (2) Unforeseen Condition

By: 
Sarah Wilson
Resident Engineer

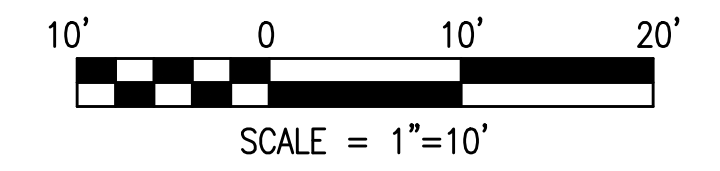
12/12/12
Date


Configuration Management Board
Approval

12-12-12
Date



- 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.



CONFORMED

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

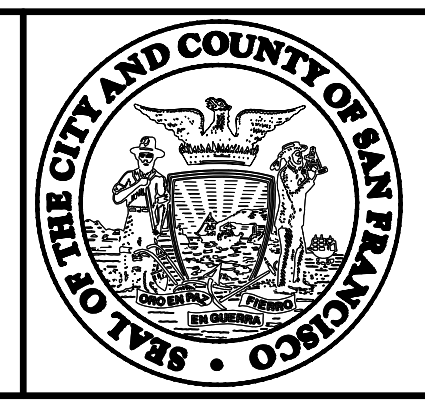
05/04/2011	ISSUED FOR ADDENDUM 5				
01/21/2011	ISSUED FOR BID				
DATE	DESCRIPTION	REV. NO.	BY	CHECKED	APPROVED
		0	DZ	MC	RE

PB TELAMON

TELAMON ENGINEERING CONSULTANTS INC.

DESIGNED: M. DEFORGE
 DRAWN: F. BAYANI
 CHECKED: P. WILSON
 REVIEWED: M. CHAN
 RECOMMENDED: M. FOWLER
 APPROVED: R. EDWARDS
 DATE: JAN 21, 2011

REV. 0
 SEALED BY
 M. CHAN



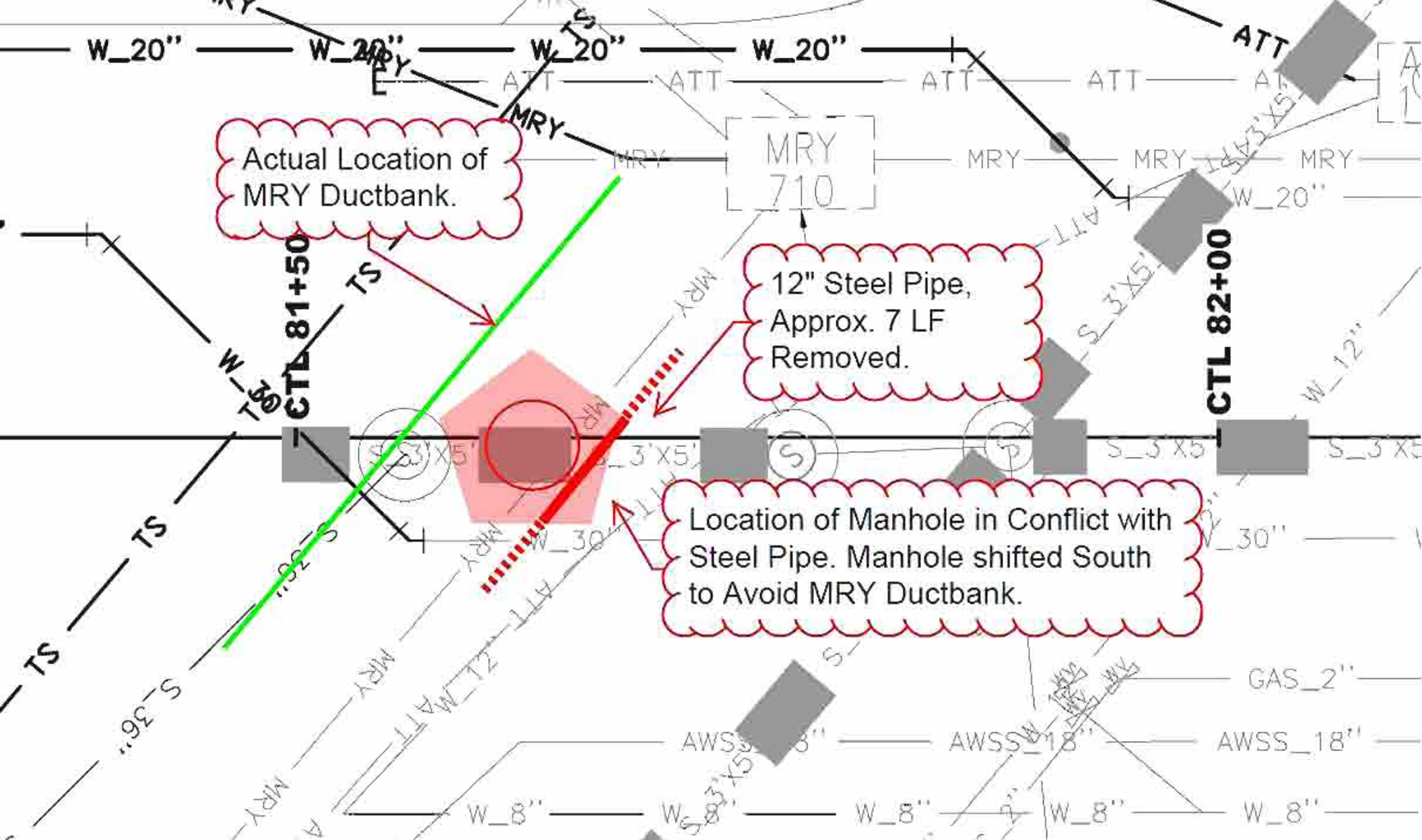
CITY AND COUNTY OF SAN FRANCISCO
MUNICIPAL TRANSPORTATION AGENCY

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

CONTRACT NO.	1252
SFMTA CONTROL NO.	CL-18001
DRAWING NO.	UT-701
SHEET NO.	1



Actual Location of MRY Ductbank.

12" Steel Pipe, Approx. 7 LF Removed.

Location of Manhole in Conflict with Steel Pipe. Manhole shifted South to Avoid MRY Ductbank.

(E) MH LOCATION,
CURRENTLY
COVERED WITH
STEEL

12" Steel Pipe Removed.

10.04.2012 08:45





10/04/2012 12:25

SFMTA Contract No. 1252

Contractor: Barnard Impregilo Healy JV (BIH)

EVALUATION OF MERIT

COR 058

Recommendation: Accept justification of Merit for COR 058, Retrieval Shaft – Removal of Unmarked 10" Steel Pipe.

Facts: On October 18th 2012, The Contractor discovered and removed an abandoned 10" steel pipe at the intersection of Union Street and Columbus Avenue. Removal of the pipe was necessary to complete the construction of the 36" RCP sewer main relocation work in this area. Sewer work included the construction of a manhole which had been positioned in the field to avoid an existing MUNI duct bank. A time extension has not been requested for this work.

Contractor Rationale for COR: The steel pipe constitutes a differing site condition, as it was not shown on the contract 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 be interpreted from the Contract Documents or Reference Documents;
2. All that could be seen on Site by diligent observation;
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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.

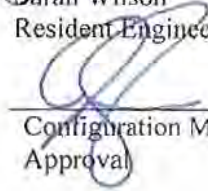
Change Type: (2) Unforeseen Condition

By:



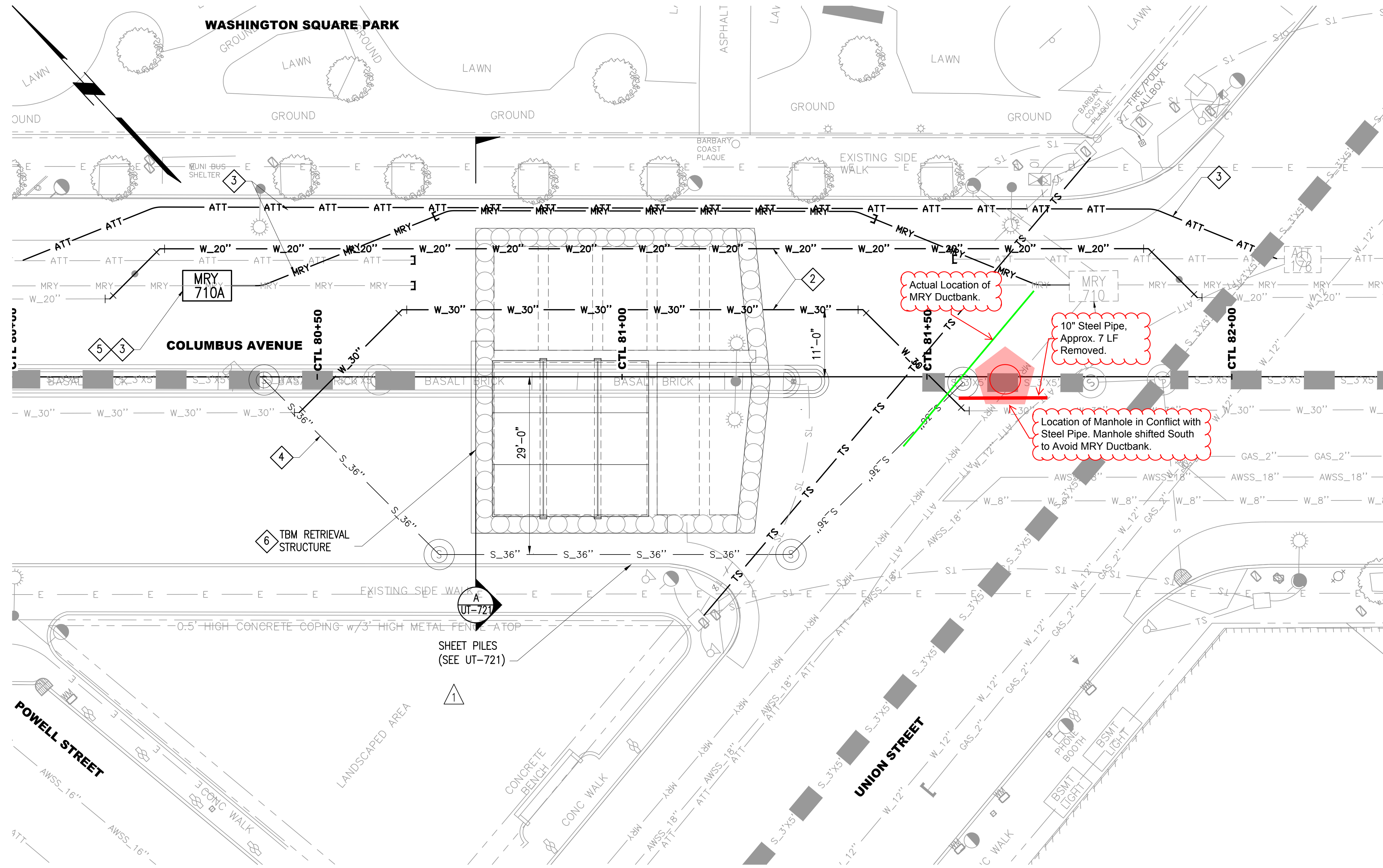
Sarah Wilson
Resident Engineer

12/12/12
Date

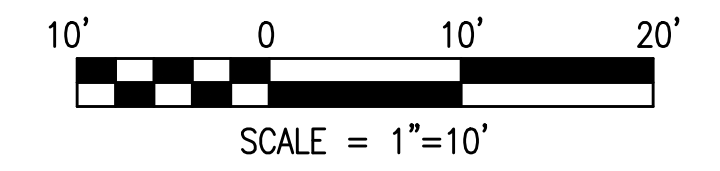


Configuration Management Board
Approval

12-12-12
Date



- 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.



CONFORMED

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

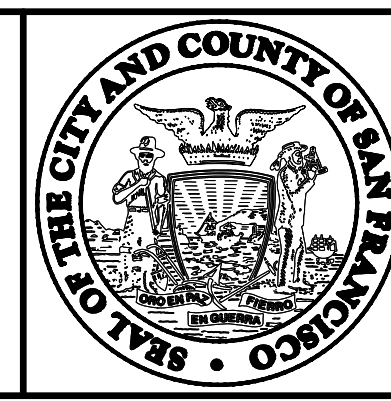
05/04/2011	ISSUED FOR ADDENDUM 5				
01/21/2011	ISSUED FOR BID				
DATE	DESCRIPTION	REV. NO.	BY	CHECKED	APPROVED
		0	DZ	MC	RE

PB TELAMON

TELAMON ENGINEERING CONSULTANTS INC.

DESIGNED: M. DEFORGE
 DRAWN: F. BAYANI
 CHECKED: P. WILSON
 REVIEWED: M. CHAN
 RECOMMENDED: M. FOWLER
 APPROVED: R. EDWARDS
 DATE: JAN 21, 2011

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

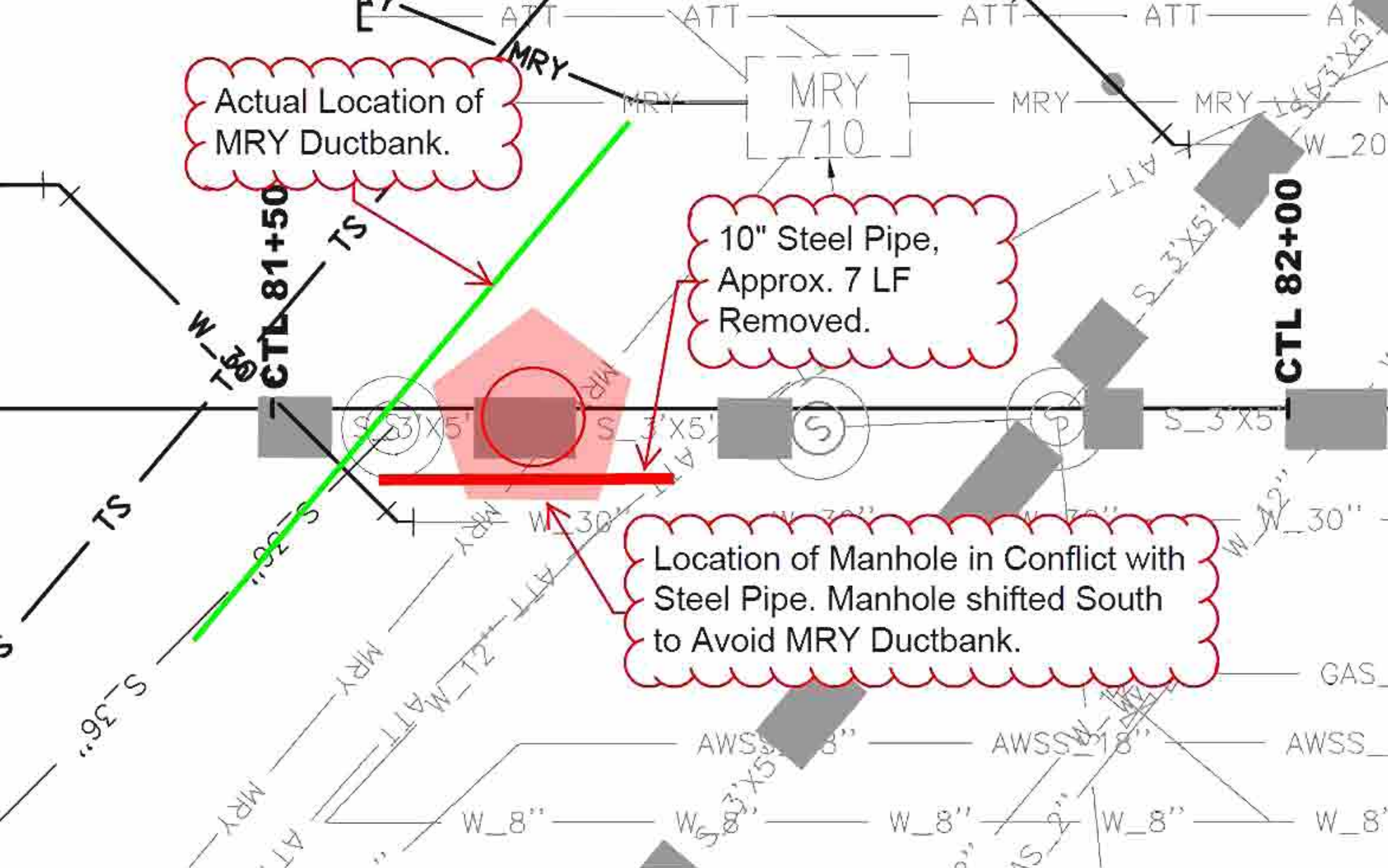
UTILITY COMPOSITE
 TBM RETRIEVAL SHAFT
 CTL 80+00 TO 82+25

CONTRACT NO. 1252	
SFMTA CONTROL NO. CL-18001	
DRAWING NO. UT-701	REVISION
SHEET NO.	1

Actual Location of MRY Ductbank.

10" Steel Pipe, Approx. 7 LF Removed.

Location of Manhole in Conflict with Steel Pipe. Manhole shifted South to Avoid MRY Ductbank.



SFMTA Contract No. 1252

Contractor: Barnard Impregilo Healy JV (BIH)

EVALUATION OF MERIT

COR 066

Recommendation: Accept justification of Merit for COR 066, Retrieval Shaft – 12” Steel Pipe in AT&T Vault.

Facts: On November 21st 2012, The Contractor removed an abandoned 12” steel pipe from AT&T vault No.176 at the intersection of Union Street and Columbus Avenue. The removal of the 12” line was needed to provide access for AT&T to make connections inside this vault. A time extension has not been requested for this work.

Contractor Rationale for COR: The contractor claims that the steel pipe constitutes a differing site condition, as it was not shown on the contract 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.

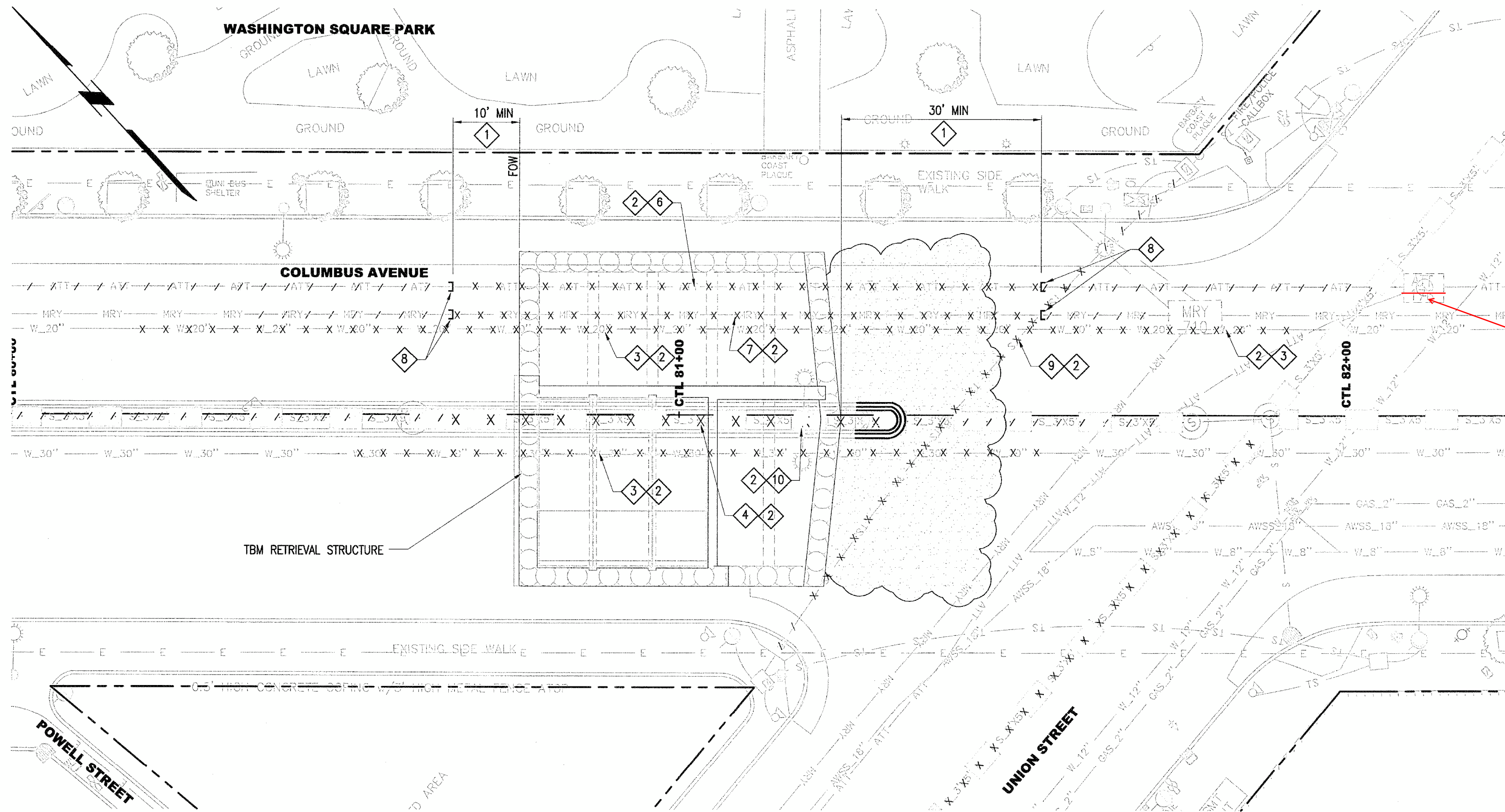
RE notes that the Differing Site Condition does not include:

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

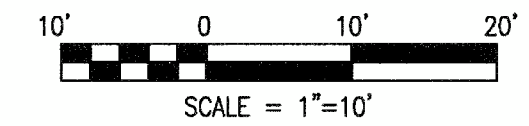
By: _____ Date _____
 Sarah Wilson
 Resident Engineer

_____ Date _____
 Configuration Management Board
 Approval



NOTES:

1. DEMOLISH AND REMOVE ALL ABANDONED UTILITY FACILITIES, INCLUDING PREVIOUSLY ABANDONED FACILITIES NOT SHOWN ON PLANS, WITHIN LIMITS OF RETRIEVAL SHAFT STRUCTURE AND TO THE LIMITS INDICATED, UNLESS OTHERWISE NOTED.
2. ACTIVE UTILITIES SHALL BE MAINTAINED UNTIL RELOCATION OR CUT-OVER, UNLESS OTHERWISE NOTED. COORDINATE DEMOLITION WITH RETRIEVAL SHAFT CONSTRUCTION PHASING.
3. REMOVE WATER LINE. SEE WATER DISTRIBUTION (WD) DRAWINGS FOR ABANDONMENT AND REMOVAL.
4. REMOVE SEWER. SEE (SW) DRAWINGS FOR ABANDONMENT.
5. SEE (AW) DRAWINGS FOR ABANDONMENT AND REMOVAL OF AWSS FACILITIES.
6. REMOVE AT&T DUCT BANK. SEE (JT) DRAWINGS FOR ABANDONMENT.
7. REMOVE MRY DUCT BANK. SEE (JT) DRAWINGS FOR ABANDONMENT.
8. CAP OR PLUG ALL ABANDONED FACILITIES, INCLUDING PREVIOUSLY ABANDONED FACILITIES NOT SHOWN ON PLANS, AT JET GROUT OR SECANT PILE LIMIT.
9. REMOVE TRAFFIC SIGNAL CONDUIT. SEE (TS) DRAWINGS FOR ABANDONMENT.
10. SEE STREET LIGHT (SL) DRAWINGS FOR REMOVAL/RELOCATION.



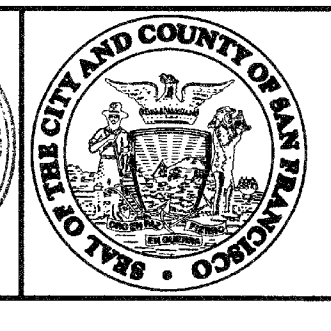
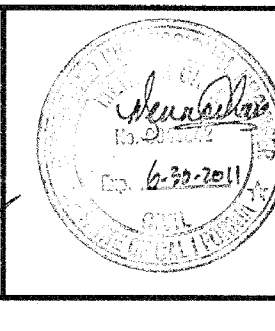
CONFORMED

S:\60803\m544.1\FinalDesign\Drawing-821\2-Civil\Utility Demolition\Sheet Files CP03\M54423UD701.dwg FBayani Wed Jan 26, 2011 3:08 pm UD-701

DATE	DESCRIPTION	REV.	BY	CHECKED	APPROVED
01/21/2011	ISSUED FOR BID	0			

PB TELAMON
TELAMON ENGINEERING CONSULTANTS INC.

DESIGNED: M. DEFORGE
 DRAWN: F. BAYANI
 CHECKED: D. ZOURING
 REVIEWED: M. CHAN
 RECOMMENDED: M. FOWLER
 APPROVED: R. EDWARDS
 DATE: JAN 21 2011



CITY AND COUNTY OF SAN FRANCISCO
MUNICIPAL TRANSPORTATION AGENCY

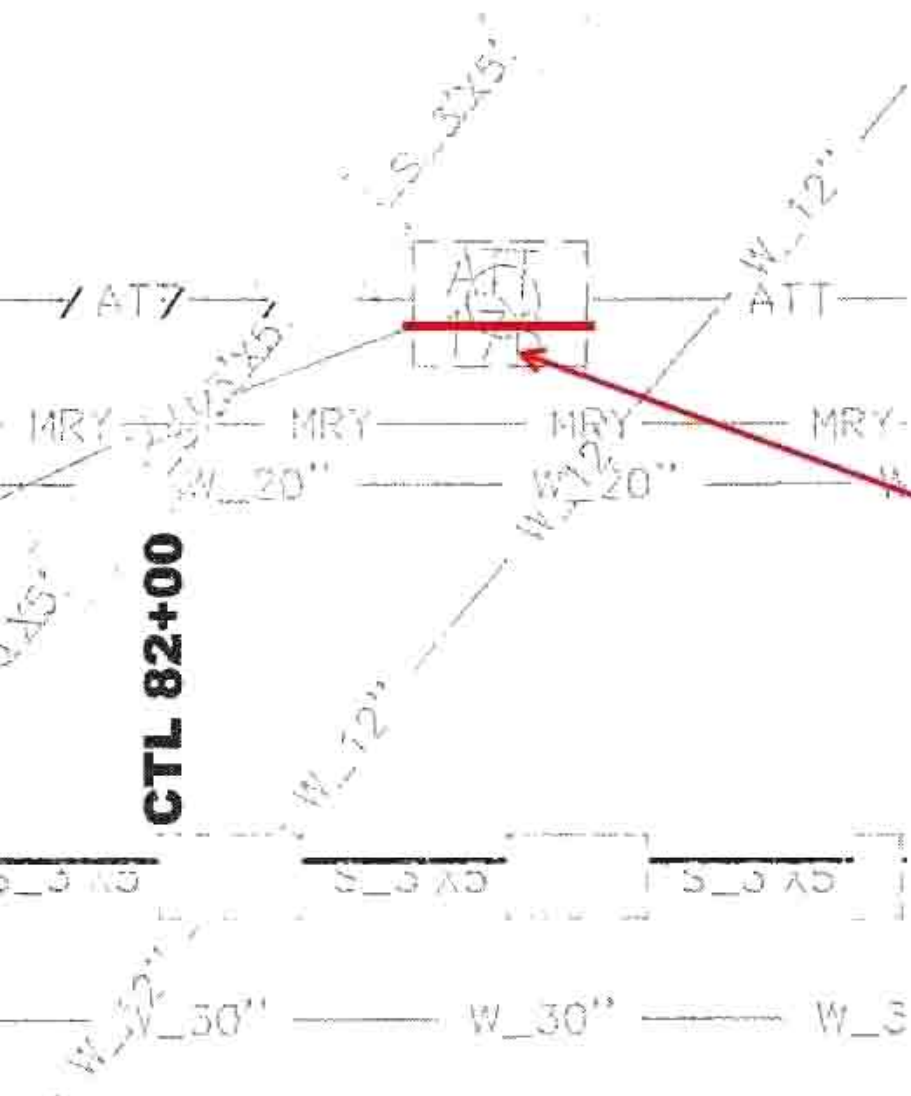
APPROVED
 [Signature]
 EXECUTIVE DIRECTOR/CEO

THIRD STREET LIGHT RAIL PROGRAM
 PHASE 2 - CENTRAL SUBWAY TUNNELS

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

CONTRACT NO. 1252
SFMTA CONTROL NO. CL-18035
DRAWING NO. UD-701
SHEET NO. 08
REVISION 0

THIS RECORD CONTAINS SENSITIVE SECURITY INFORMATION THAT IS CONTROLLED UNDER 48 CFR PARTS 15 AND 101. NO PART OF THIS RECORD MAY BE DISCLOSED TO PERSON WITHOUT A NEED TO KNOW, AS DEFINED IN 48 CFR PARTS 15 AND 101, EXCEPT WITH THE WRITTEN PERMISSION OF THE ADMINISTRATOR OF THE TRANSPORTATION SECURITY ADMINISTRATION OR THE SECRETARY OF TRANSPORTATION. UNAUTHORIZED RELEASE MAY RESULT IN CIVIL PENALTY OR OTHER ACTION.



Removed Steel Pipe.



AT&T Vault
No.176

2012/11/31



Patch where pipe was removed inside vault.

2012/11/21

Patch where pipe was removed inside vault.

2012/11/21

CENTRAL SUBWAY PROJECT
Project Trend/Change Control Log

Projected Trends versus Current Cost Estimate and Allocated Contingencies													
Item #	Date Initiated		Change Description	Change Type	CMB No.	Status		Projected Cost Impact +Exposure/(Benefit)		Comments	Modification Number	Completed by Project Controls Manager per Completed Change Form	
						Action	Date	Actual/Forecast	Potential Change			Verifier Name	Date
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)		Status of ROCA? Cleared City Attorney's Office; to Shahnam for execution. [In "Current Forecast" - Sep2010 Cost Report.] COMPLETE, NO FURTHER ACTION; CMOD #1	CMOD #1 Approved	JB	04/20/10
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 ductbank. 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 ductbank 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 ductbank 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		
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		

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- 2 - Unforeseen Conditions
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- 6 - Private Utilities
- 7 - Other

CENTRAL SUBWAY PROJECT
Project Trend/Change Control Log

Item #	Date Initiated	Change Description	Change Type	CMB No.	Status		Projected Cost Impact +Exposure/(Benefit)		Comments	Modification Number	Completed by Project Controls Manager per Completed Change Form	
					Action	Date	Actual/Forecast	Potential Change			Verifier Name	Date
1250-0010	10/06/10	081-0010 Perform AT&T wye cast connection and chipping of existing ductbank 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 ductbank. This will cause additional excavation, joint trench and modification to existing ductbank. 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		
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		+67,798	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. COMPLETE, NO FURTHER ACTION; CMOD #21	CMOD #21		
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		+30,547	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. COMPLETE, NO FURTHER ACTION; CMOD #21	CMOD #21		
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					+290,703	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. 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. CM awaiting cost proposal from Contractor. 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					+6,400	CM reviewing COR for merit. 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					+25,000	CM reviewing COR for merit. 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					-0-	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. 2S01 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					+100,000	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.			

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CENTRAL SUBWAY PROJECT
Project Trend/Change Control Log

Item #	Date Initiated	Change Description	Change Type	CMB No.	Status		Projected Cost Impact +Exposure/(Benefit)		Comments	Modification Number	Completed by Project Controls Manager per Completed Change Form	
					Action	Date	Actual/Forecast	Potential Change			Verifier Name	Date
1250-0022	10/06/10	081-0022	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	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	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		
1250-0025	10/06/10	081-0025	6					+182,980	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.			
1250-0026	10/06/10	081-0026	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 #14 Approved		
1250-0027	10/06/10	081-0027	2				+115,789		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	CMOD #20		
1250-0028	12/08/10	081-0028	2				+50,000		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 #20	CMOD #20		
1250-0029	12/08/10	081-0029	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	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	4					(38,048)	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			

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CENTRAL SUBWAY PROJECT
Project Trend/Change Control Log

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1250-0032	12/08/10	081-0032	4					(50,807)	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	4					(76,210)	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	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	SS	05/04/11
1250-0035	12/08/10	081-0035	2					+35,000	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. COMPLETE, NO FURTHER ACTION; CMOD #20	CMOD #20		
1250-0036	12/08/10	081-0036	2	CMB-0041	Agree	07/13/11 02/15/12 07/25/12 09/12/12		+597,497	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); 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; CMOD #20	CMOD #20		
1250-0037	12/08/10	081-0037	2					+100,000	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; CMOD #20	CMOD #20		
1250-0038	03/18/11	081-0038	2						Due to archaeological discoveries compounded with PG&E's ability to perform service switchover to Olivet University and de-energize a live ductbank 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.			

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CENTRAL SUBWAY PROJECT
Project Trend/Change Control Log

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1250-0039	05/18/11	081-0039 Remove BP-4 (Waterproofing) from Contract	4						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						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						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						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					(203,548)	(203,548)	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 #22	CMOD #22		
Contract 1250 Totals								+2,729,633	+543,264	Of the total cost exposure shown, changes have been absorbed by allocated contingency in the amount of \$2,860,848. Additional potential changes is <\$139,169> which reflects Utility Reimbursements. Currently, overall contract value remains unchanged in the amount of \$11,999,786.			
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	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	JH	6/9/2011

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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	SS	10/5/2011
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				+127,893		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 resequence his work. Updated projected cost impact from \$50,000 to \$127,893 based on compilation of force accounts received. RE is awaiting COR Cost proposal			
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	SS	
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. RE has not determined cost impact. PCC #5 COMPLETE, NO FURTHER ACTION; CMOD #5	CMOD #5 Approved	SS	
1251-0008	04/20/11	082-0008 Elimination of underpinning at 150 Stockton	1				(65,284)		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 COR #22, PCC #3 RE to negotiate			
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	SS	10/5/2011
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. 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		The AWSS is in conflict with AT&T, PG&E and several other utilities and needs to be installed under all these utilities at about 11' deep (instead of 6' depth as noted in Plan AW-501.4, sheet note #5). During negotiations with the Contractor several items of work were found to be missing for the original cost estimates which increase the amount to \$278,351. RFI #76, COR #31 COMPLETE, NO FURTHER ACTION; CMOD #6	CMOD #6 Approved	SS	

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1251-0013	07/06/11	082-0013 Accelerate start of construction in front of Macys West by trenchless construction method	7					-0-	Micropile installation on Stockton east between O'Farrell and Market has proven to be much slower than anticipated. To mitigate this potential delay, contractor requested to start construction in front of Macys West. This is a no cost change order. COR 32 COMPLETE, NO FURTHER ACTION; CMOD #3	CMOD #3 Approved	SS	10/5/2011
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. COMPLETE, NO FURTHER ACTION; CMOD #9	CMOD #9 Approved	SS	
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	SS	
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	SS	
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 through the Form B process. COMPLETE, NO FURTHER ACTION; CMOD #7	CMOD #7 Approved	SS	
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 through the Form B process. COMPLETE, NO FURTHER ACTION; CMOD #7	CMOD #7 Approved	SS	
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 (\$31,000.00) 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		
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		+21,410	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 through the Form B process. RE to prepare modification			
1251-0021	09/07/11	082-0021 Revise PG&E service points and layout of primary lines at various locations, and delete Muni Vault 1850 A at Stockton/Ellis.	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 is captured in Trend #31 or CMod #12. CLOSED; NO FURTHER ACTION. Cost for this trend is captured in Trend #31/CMod #12			

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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	MAB	03/28/12
1251-0024	09/07/11	082-0024	6	CMB-0059	Agree	11/16/2011, 05/02/12	+204,610		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 through the Form B process. COR #58; Engineer's Estimate \$146,018 RE to prepare modification			
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. David Greenaway is coordinating with PG&E regarding reimbursement of additional cost through the Form B process. 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. Initial Cost Estimate \$287,000. COR #40 COMPLETE, NO FURTHER ACTION; CMOD #10	CMOD #10 Approved	MAB	
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 through the Form B process. COR #43 COMPLETE, NO FURTHER ACTION; CMOD #11	CMOD #11 Approved	MAB	
1251-0029	10/26/11	082-0029	6						AT&T asked SFMTA to rebuild existing vault 133 (estimated cost at \$30k). Demolition of existing vaults 403 and 113 was done on force account but was not included in the cost shown in Trend No. 28 and 19 (estimated cost at \$20k). AT&T agreed to reimburse SFMTA through the Form B process. COR #64 Vault 133 rebuild is superseded by Trend 40. Demolition of existing vaults 403 and 113 is superseded by Trend 43. Updated projected cost impact from \$50,000 to \$0. CLOSED; NO FURTHER ACTION. Demo of exiting vaults 403 and 113 are superseded by Trend 43.			
1251-0030	10/26/11	082-0030	6	CMB-0058	Agree	11/02/11	+40,000		PG&E asked SFMTA to enlarge vault 873. PG&E agreed to reimburse SFMTA through the Form B process. CMB approved a NTE amount of \$40K RE to prepare modification			

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1251-0031	10/26/11	082-0031 Additional PG&E conduits crossing O'Farrell on east side of Stockton (Task Order #32)	6	CMB-0058	Agree	11/02/11		+27,534	PG&E asked SFMTA to install additional conduits. PG&E agreed to reimburse SFMTA through the Form B process. RE to prepare modification			
1251-0032	11/08/11	082-0032 Excavation and restoration cost for PG&E gas tie-in and kill holes.	6	CMB-0059	Agree	11/16/2011, 05/02/12		+98,439	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 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. RE to prepare mod			
1251-0033	11/23/11	082-0033 Install secondary enclosure wall at One Stockton (Apple Store)	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	MAB	4/21/2012
1251-0034	01/10/12	082-0034 Install temporary support as required to protect existing live utilities that are encroaching into the City right-of-way in front of 17-25 Stockton Street.	2	CMB-0069	Agree	04/04/12		+346,452	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 RE to prepare modification	CMOD #17 Approved	MAB	6/28/2012
1251-0035	01/11/12	082-0035 Potholing on Stockton between Post and Geary for UMS Station design	1						UMS Design Team requested 1251 to pothole (6'Wx12'Lx8'D) on Stockton between Post and Geary to locate existing piles and tie-backs at Union Square. Cost for this scope of work from the Contractor is \$19,870.73. Per direction from the CMB on Jan 18th this request is denied and the DP2 designer will cover this potential future obstruction with a note on the drawings. 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 Install three 6" PG&E conduits from vault 5800 to PG&E "A" pullbox at 4th/Bryant.	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 Install sewer lateral from the Gucci building (240 Stockton) to the main sewer on Maiden Lane. Work will involve plumbing modification inside building to raise invert.	3	CMB-0078	Agree	09/12/12		+25,926	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) RE to negotiate			
1251-0038	01/04/12	082-0038 Reimburse Synergy for JCDecaux work to remove kiosks	1	CMB-0064, CMB 0080	Agree	1/04/2012, 10/24/12		+29,268	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. RE to prepare mod			

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1251-0039	01/17/12	082-0039	Furnish and install 2ea benches along 5th Street	1					+5,250				
1251-0040	02/15/12	082-0040	Furnish and install AT&T Manholes 133 at Post/Stockton	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 through the Form B process. COMPLETE, NO FURTHER ACTION; CMOD #14	CMOD #14 Approved	MAB	04/24/12
1251-0041	02/15/12	082-0041	Install additional 55 LF of AT&T trench to extend conduits from vault 5832 to vault 113 on O'Farrell Street	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 ductbank. COR #63 AT&T agreed to reimburse SFMTA through the Form B process. COMPLETE, NO FURTHER ACTION; CMOD #14	CMOD #14 Approved	MAB	04/24/12
1251-0042	02/15/12	082-0042	Install additional 95 LF of AT&T trench to extend conduits from vault 5831 to vault 129 on Geary Blvd.	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 ductbank. COR #62 AT&T agreed to reimburse SFMTA through the Form B process. COMPLETE, NO FURTHER ACTION; CMOD #14	CMOD #14 Approved	MAB	04/24/12
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	+55,961		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 through the Form B process. CMB Agreed contingent on receipt of confirmation letter from AT&T for costs associated with these three trends RE to prepare modification (CMB 0076 approval - see Trend CN12511 #'s 72 & 80)			
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	+20,014		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 plumbing inside the building is also needed. Refer to RFI 43. (See Trends #37 and 45) RE to prepare mod			
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	+25,145		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) RE to prepare mod			
1251-0046	03/06/12	082-0046	Additional cost for enlarging PG&E vault 584 on O'Farrell east of Stockton	6				+60,053		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 through the Form B process. RE to prepare mod			
1251-0047	04/10/12	082-0047	Enlarge Muni Vault 900A on Stockton between Post and Geary	2	CMB-0082	Agree	10/31/12	+15,801		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. RE awaiting COR (CMB 0082 approval - see Trend CN1251#'s 47, 58 & 78)			
1251-0048	04/10/12	082-0048	Additional cost and time for stucked auger during micropile drilling	2				+41,737		Contractor's hollow stem auger got stucked during drilling of micropile #27C in front of 17 Stockton. Contractor claims differing condition as cause for the stucked 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.			

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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. RE awaiting COR			
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		+40,000	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. RE preparing modification (CMB 0074 approval - see Trend CN1251 #'s 67, 74 & 75)			
1251-0051	04/10/12	082-0051	Intercept existing PG&E ductbank and terminate into vault 5464 at Market/Ellis	6					+15,000	PG&E requested to reroute existing ductbank running north out of MH 1803 at 4th/Pioneer Place into MH 5464 at Market/Ellis RE awaiting COR			
1251-0052	04/10/12	082-0052	Reroute unforeseen existing waterline on Geary east of Stockton	2	CMB-079	Agree	10/10/12		+28,852	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. RE awaiting COR (CMB 0079 approval - see Trend CN1251 #'s 65 & 70). This is potentially E&O issue due to unforeseen existing waterline on discovered along Geary Street (east of Stockton Street) not shown in the contract drawings.			
1251-0053	04/10/12	082-0053	Additional cost for premium to accelerate contract work	1	CMB-083	Agree	11/07/12		+10,590	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 PG&E agreed to reimburse SFMTA through the Form B process. RE negotiating cost			
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. RE awaiting COR			
1251-0055	04/17/12	082-0055	Install Swiveloc lids on all PG&E vaults	6					+29,255	PG&E requested SFMTA to add this scope to the 1251 contract for safety reason. COR #72 PG&E agreed to reimburse SFMTA through the Form B process. RE to prepare modification			
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	MAB	06/01/12
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	MAB	06/01/12
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 RE to review COR (CMB 0082 approval - see Trend CN1251 #'s 47, 76 & 78)			
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 RE awaiting COR			
1251-0060	06/26/12	082-0060	Final Bid Item Reconciliation	4					+25,946	Amount is result of Bid Item Analysis completed as of 6/12/12.			
1251-0061	06/26/12	082-0061	Excavate for PG&E cutover at 177 Stillman	6					+15,000	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 through the Form B process. RE awaiting COR			

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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 RE to review COR			
1251-0063		082-0063 Excavation and restoration cost for PG&E gas tie-in and kill holes. Part II	6					+40,000	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 through the Form B process. RE awaiting COR			
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. RE awaiting COR			
1251-0065		082-0065 Additional fittings for AWSS lateral and chipping of pole foundation at Market/Ellis	2	CMB-0079	Agree	10/10/12		+21,779	An existing Muni pole foundation is in the way of the AWSS lateral. Additional fittings are required to complete contract work. RE awaiting COR (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.			
1251-0066		082-0066 Intercept PG&E conduits at Vault 573 at Geary east of Stockton	6					+15,000	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 through the Form B process. RE awaiting COR			
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		+37,148	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. RE presented COR to CMB 7/25; direction given to develop one CMod with all remaining items to be purchased for the new OCS bypass. RE to prepare modification (CMB 0074 approval - see Trend CN1251 #'s 50, 74 & 75)			
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 resequence 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. RE reviewing TIA 18			
1251-0069		082-0069 Removal of abandoned PG&E gas valve (8each) and install anodes	6					+15,000	PG&E asked Synergy to remove all abandoned gas valves (8each) PG&E agreed to reimburse SFMTA through the Form B process. RE awaiting COR			
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		+14,033	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. RE reviewing COR (CMB 0079 approval - see Trend CN1251 #'s 52 & 65)			

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1251-0071		082-0071	Install a new 8" backflow preventer for the fire service inside Macys Men's building	6				+56,129	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. RE reviewing COR			
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 Conditionally	10/03/12	+15,020	AT&T requested new conduits to maintain continuity between the 2 vaults. AT&T agreed to reimburse SFMTA 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 RE to prepare modification (CMB 0076 approval - see Trend CN1251 #'s 43 & 80)			
1251-0073	08/08/12	082-0073	Additional work to install water and electrical utilities for Flower Stand on Geary west of Stockton	1				+18,840	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. RE tracking work on FAR			
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 RE to prepare modification (CMB 0074 approval - see Trend CN1251 #'s 50, 67, & 75 also).			
1251-0075	08/08/12	082-0075	Unforeseen conditions related to pole foundation installation for the Folsom OCS Bypass	2	CMB-0074	Agree	08/15/12	+12,568	lines. RE Tracking work on FAR RE to prepare modification (CMB 0082 approval - see Trend CN1251#'s 47, 58 & 78)			
1251-0076	08/08/12	082-0076	Adjustment to OCS on Mason Street	2/3	CMB-0082	Agree	10/31/12	+14,987	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)			
1251-0077	09/12/12	082-0077	Additional work related to Qwest, TCG and UCCO facilities	2	CMB-0081	Agree Conditionally	10/31/12	+41,443	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 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.			
1251-0078	09/12/12	082-0078	Unforeseen conditions encountered during excavation and installation of OCS poles along Mason and 5th Streets.	2	CMB-0082	Agree	10/31/12	+27,644	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)			
1251-0079	09/12/12	082-0079	Additional work related to installation of PG&E Vaults 467, 571, 573, 586 and 594 including joint trench leading to these vaults	2				+50,000	Unforeseen conditions were encountered during installation of select PG&E vaults including joint trenches leading to these vaults. PG&E agreed to reimburse SFMTA through the Form B process. RE Tracking work on FAR			
1251-0080	09/12/12	082-0080	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 Conditionally	10/03/12	+58,179	Unforeseen conditions were encountered during installation of select AT&T vaults including joint trenches leading to these vaults. CMB Agreed contingent on receipt of confirmation letter from AT&T for costs associated with these three trends AT&T agreed to reimburse SFMTA through the Form B process. RE to prepare modification (CMB 0076 approval - see Trend CN1251 #'s 43 & 72)			

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Contract 1251 Totals								+2,703,068	+955,100	Of the total cost exposure shown, changes have been absorbed by allocated contingency in the amount of \$2,618,313. Additional potential exposure shown includes credits provided through Utility Reimbursement. Currently, overall contract value remains unchanged in the amount of \$21,753,860.		
Contract 1252 - Tunnels												
	04/11/12	AWSS Conflict w/ Low Pressure Water	6						+16,906	AWSS contract work was made more difficult by the proximity of a water line which was closer than indicated on UT-501. Contractor has stated that a separate request which will include a TIA is forthcoming.		
1252-0002	04/11/12	AWSS Add. Tie-Rods 4th-Harrison	6						+73,581	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.		
1252-0003	04/06/12	AT&T Vault Conflict-4th & Harrison	6						+21,089	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 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. RE reviewing COR		
1252-0004	04/06/12	PG&E live electrical delays	2						+8,295	PG&E lines indicated on contract drawing UD-502 thru 504 were to be abandoned yet were Re reviewing COR		
1252-0005	06/12/12	Oil filled pipe @ Launch Box	2						+9,979	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. RE to prepare mod		
1252-0006	07/16/12	TIA - Associated w/ COR 001, COR 002, and COR 003	6						+269,904	BIH is to submit Overhead cost labor rates and a COR request related to this issue. RE reviewing COR		
1252-0007	05/23/12	MOS - Live Utilities: PGE, AT&T, and SFWD 8" Water Line extra kill hole location	2						+49,006	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. In Review		
1252-0008	07/16/12	MOS - Demo PGE duct bank / SF City 911 fiber optic line	2						+4,919	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		
1252-0009	06/29/12	MOS - Traffic Signal line re-route south headwall	6						+37,500	After potholing Synergy discovered several traffic lines which were in the proposed location of the south MOS headwall. Synergy proposes to reroute the lines. RE to prepare mod		
1252-0010	07/16/12	MOS - Archaeological Standby North Headwall	2						+16,861	Upon excavation of the MOS north headwall, BIH's subcontractor Synergy Project Management (SPM) uncovered a layer of "Midden" or Native American debris.. RE to prepare mod		
1252-0011	07/16/12	MOS - SL conduit from PG&E vault @ north headwall	6						+10,903	Approximately 20' of GRS Street Light conduit to be installed from PGE vault 1493 and a existing Street Light box north of the MOS N headwall. RE reviewing COR		
1252-0012	07/16/12	LB - Pre-Excavation for Slurry Walls	2						+237,107	BIH proposes pre-excavation of each slurry panel to be reimbursed by SFMTA. RE reviewing COR		

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1252-0013	06/29/12	MOS - Standby Delays @ south headwall due to live TS lines	6					+79,153	Standby delays related to the discovery of traffic lines within the proposed location of the south MOS headwall. RE reviewing COR			
1252-0014	07/16/12	UMS - Grant street 2 way conversion (e- & striping)	7					-0-	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. This potential change was brought before the CMB 07/18. Board's decision to have DPT perform the work. CLOSED; NO FUTHER ACTION			
1252-0015	06/22/12	PROJECT WIDE - Utility Demo limit reduction credit	5					(20,905)	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. RE reviewing COR			
1252-0016	07/16/12	UMS - Reduced Duration	5	CMB-0073	Agree (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. Approval condition up incorporating correctness to backup documentation as required by & documented in CMB mtg. RE to prepare modification Modification in process	CMod #3		
1252-0017	07/10/12	MOS - Asbestos Pipe at north headwall	2					+7,186	Upon excavation of the MOS north headwall, BIH's subcontractor Synergy Project Management (SPM) uncovered fryable asbestos-laden transite pipe. In Review			
1252-0018	07/10/12	MOS - Brick Wall #2 discovered @ north headwall	2					+15,783	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.			
1252-0019	08/07/12	MOS - Asbestos Pipe at south headwall	2					+33,668	Transite pipe was discovered during MOS south headwall excavation. RE reviewing COR			
1252-0020	08/10/12	MOS - Oil filled pipe at south headwall	2					+9,226	A pipe containing oil was discovered during MOS south headwall excavation. RE reviewing COR			
1252-0021	06/19/12	MOS - Todco scaffolding reimbursement	2					+1,719	1252 contract work requires the removal of scaffolding erected by Fine Line Construction, the contractor performing renovations on the Woolf House. RE reviewing COR			
1252-0022	03/15/12	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 cross passage 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 cross passage 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. CLOSED COR Unsubmitted			
1252-0023	05/07/12	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. CLOSED; NO FURTHER ACTION.			
1252-0024	04/18/12	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. CLOSED; NO FURTHER ACTION.			

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1252-0025	04/18/12	CDF Encasement on 42" RCP	2					TBD	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. COR Unsubmitted			
1252-0026	06/12/12	Damage to Live LPW main at 4th and Folsom	2					TBD	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. COR Unsubmitted			
1252-0027	07/16/12	MOS - 76 Gas Station fencing	1				-0-		SFMTA requested BIH to install fencing around the perimeter of the 76 gas station at 4th and Folsom St. 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 CLOSED; NO FUTHER ACTION			
1252-0028	07/16/12	LB - SPTC delays due to concrete encased 8" sewer	2				-0-		Upon excavation of west slurry panels W-33, W-14, W-21, W-20, and S-9), "buried debris" comprising "wood pile?" or "concrete encased clay pipe" was encountered . The depth of the obstruction(s) is currently under investigation. Impact of the first obstruction was approximately 3 hours and the contractor has modified operations so that each obstruction requires approximately 45 minutes to clear. Verbal information presented to CMB at mtg 07/25 as a potential change. CLOSED; NO FUTHER ACTION			
1252-0029	07/16/12	MOS - South Headwall re-design	1					+141,750	BIH provided verbal notification that the design changes contained in the response to RFI 74 and the MOS guidewall submittal, including the requirement to leave end stops in place and a 6-inch extension of the corner slurry panel, are anticipated to cost approximately \$250,000. More detail is forthcoming. 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	Ellis - Utility demolition	3					+40,000	BIH says that no utilities were shown at Ellis; however, Reference Drawing UE-126 shows utilities. COR Unsubmitted			
1252-0031	07/25/12	Crack Gauges	4					-0-	BIH disagrees with SFMT 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. COR Unsubmitted			
1252-0032	08/07/12	Ellis asbestos abatement	2					+40,000	A steam line containing asbestos was discovered during potholing at the Ellis Street Shaft. COR Unsubmitted			
1252-0033	08/15/12	LB - Class 1 Hazardous Material Haul off	2					+198,276	BIH to submit costs for Class 1 haul off.			
1252-0034	08/15/12	LB - Jet Grout Quantity Overrun	4					+812,497	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. COR Unsubmitted			
1252-0035	08/24/12	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". COR Unsubmitted			

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1252-0036	09/19/12	Additional Road Base on Fourth Street	2					+7,000	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 Brant Street. The additional layer is estimated by BIH/SPM to be approximately 8" - 12" thick. COR Unsubmitted			
1252-0037	09/19/12	DPW permitting potential impacts	7					TBD	DPW Permitting issue to cause potential impacts. DPW is not issuing 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. COR Unsubmitted			
1252-0038	09/19/12	Manhole in West Guidewall Footprint	2					+4,000	While performing excavation for the west side guidewalls at the TBM Launch Box, BIH's subcontractor CJA-NCC unexpectedly encountered a manhole 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. COR Unsubmitted			
1252-0039	09/19/12	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 Diagram 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. COR Unsubmitted			
1252-0040	09/19/12	Revisions to Moscone North Headwall Elevation (Top)	1					+21,181	SFMTA initiated change to revise headwall elevations to facilitate a change in the roof elevation of MOS station. COR Unsubmitted			
1252-0041	09/19/12	Revisions to UMS Headwall Concrete and Reinforcement Limits	1					TBD	SFMTA initiated change to revise UMS headwall concrete and reinforcement limits to provide a cost savings. COR Unsubmitted			
1252-0042	09/19/12	Retrieval Shaft - Unmarked 12" Steel Pipe	2					+6,000	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. COR Unsubmitted			
1252-0043	09/19/12	LB - Panel W29 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-29. COR Unsubmitted			
1252-0044	09/19/12	Ret Shaft - 20" Water Line Conflict	2					+67,000	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 the merit of this COR. RE will proceed with scoping the work.			
1252-0045	09/19/12	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. COR Unsubmitted			
1252-0046	09/19/12	MOS - Catch Basin @ south headwall	3					+2,500	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. The catch basin was not shown in the contract drawings. COR Unsubmitted			

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1252-0047	09/19/12	UMS - 12" steel pipe removal	3					+3,500	A 12" steel pipe at the north UMS headwall location interfered with the demolition of other existing UMS utilities. The steel pipe was not shown in the contract drawings. COR Unsubmitted			
1252-0048	09/19/12	MOS - 16" Steel Pipe removal @ northeast headwall	3					+3,500	SPM crews spent 4 hours removing 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. The 16" steel pipe was not shown in the contract drawings. COR Unsubmitted			
1252-0049	09/19/12	MOS - Extra Road Base @ northeast headwall	2					+3,500	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'.			
1252-0050	09/19/12	LB - Impacts due to live PG&E electrical lines (Synergy)	6					+1,500	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.			
1252-0051	10/25/12	Contract Amendment No. 2	1					(3,040,713)				
1252-0052	10/25/12	LB - Panel W25 Wood Pile	2					-0-	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			
1252-0053	10/25/12	LB - Panel W30 Wood Pile	2					-0-	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.			
1252-0054	10/25/12	MOS - 16 steel pipe removed @ southeast hadwall	3					+1,000	BIH/SFMTA to finalize labor rates			
1252-0055	10/25/12	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.			
1252-0056	10/25/12	UMS - Umarked stell pieps (6", 12", 14") / Duct Bank	6					+15,000	BIH/SFMTA to finalize labor rates			
1252-0057	10/25/12	Ret Shaft - unmarked 10' steel pioed/duct bank	6					+7,500	BIH/SFMTA to finalize labor rates			
1252-0058	10/25/12	UMS- 3'x5' brick sewer at south headwall	6					+15,000	BIH/SFMTA to finalize labor rates			
1252-0059	10/25/12	Ret Shaft - Tree trimming debris haul off	7					+1,500	BIH/SFMTA to finalize labor rates			
1252-0060	10/25/12	Ret Shaft 12" stell pipe removed at Union/ Columbus	6					+3,750	BIH/SFMTA to finalize labor rates			
1252-0061	10/25/12	Ret Shaft - Elevation design conflict (30' low ppl water / sewer)	3					+2,000	SPM preparing COR form.			
1252-0062	10/25/12	Chinatown - Night drilling for instrumentation	7					+15,000	BIH/Wang preparing ROM of direct cost.			
1252-0063	10/25/12	LB Class 2 Hazardous Material Haul Off (Phase 2)	2					+115,915	Cost to be reimbursed by "ES-8". Additional costs hazardous waste allowances.			
1252-0064	10/25/12	PCC No. 4 - Ret shaft sewer pipe material change	1					+153,740	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, ½-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.			

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1252-0065	10/31/12	UMS - Tree Removal	1					+13,345	SFMTA is directing removal of a tree at at the northeast corner of Stockton and O'Farrell St.			
1252-0066	10/31/12	PCC No. 5 - Ret Shaft Water Dist. Pipe Material Change	1					(63,128)	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	11/05/12	Ret Shaft - Additional 10" steel pipe removal	6					+650	Work is a continuation of work performed in COR 047.			
1252-0068	11/05/12	PCC No. 3 - General Detour Signage	1					+13,323	PCC No. 03 - Traffic Detour Signage 10/03/12 - PCC presented to CMB on 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 on 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 November report findings.			
1252-0069	11/05/12	PCC No. 6 - Supplemental instrumentation of BART tunnel lining.	1					-0-	PCC No. 6 - Supplemental instrumentation of BART tunnel lining PCC presented to CMB 10/31/12 for merit. CMB directed RE to proceed with obtaining a price quote from Contractor to perform the work.			
1252-0070	11/13/12	Full Closure of 4th Street	1					-0-	BIH to submit costs			
1252-0071	11/13/12	LB - Panel P-17 Buried Obstruction	1					+5,000	COR package unsubmitted			
1252-0072	11/16/12	LB - Panel P-9 Buried Obstruction	2					+150,000	COR package unsubmitted			
1252-0073	11/16/12	LB - Panel P-12 Buried Obstruction	2					+150,000	COR package unsubmitted			
1252-0074	12/12/12	LB - Panel P-12 Buried Obstruction	2					+150,000	COR package unsubmitted. SFMTA asked for clarification on 12/10/12.			
1252-0075	12/12/12	Retrieval Shaft - Unmarked 12" Steel Pipe	2					+6,500	COR package unsubmitted. SFMTA asked for clarification on 12/10/12.			
1252-0076	12/12/12	LB - Panel P-10 Buried Obstruction	2					+18,000	COR package unsubmitted. SFMTA asked for clarification on 12/10/12.			
Contract 1252 Totals								-0-	(45,365)			
CONSTRUCTION TRENDS (Based on #1250, #1251 & #1252 Trending Log and Cmods) - SUBTOTALS:									+5,432,701	+29,732		
DESIGN TRENDS												
FD-001	07/31/10	084-0001	Narrowing of Platform at UMS	1	CMB-0006	Agree	08/04/10	(800,000)	(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)	(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.]		

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FD-002	07/12/10	085-0001	1	CMB-0009	Agree (Conditionally)	08/25/10	(500,000)	(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-002	07/12/10	086-0001	1	CMB-0009	Agree (Conditionally)	08/25/10	(500,000)	(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	1	To be verified	Info Only	08/25/10	+7,000,000	+7,000,000	Presented to CMB for information/consideration.			
FD-004	07/29/10	084-0003	1	CMB-0007	Agree	08/18/10	(8,000,000)	(8,000,000)	[In "Current Forecast" - Sep2010 Cost Report.]			
FD-005	08/22/10	084-0004	1	CMB-0010	Agree	12/29/10	(22,500,000)	(22,500,000)	Documentation to be filed.			
FD-006	08/03/10	084-0005	1	CMB-0008	Agree	08/18/10	-0-	-0-				
FD-006	08/03/10	086-0002	1	CMB-0008	Agree	08/18/10	-0-	-0-				
FD-007	08/03/10		1	CMB-0018	Agree	09/15/10	-0-	-0-				
FD-008	07/30/10		1	CMB-0017	Agree	09/15/10	-0-	+2,000,000				
FD-009	10/06/10	082-0003	1	CMB-0019	Agree	12/15/10		+3,000,000				
FD-010	10/06/10	082-0004	1	CMB-0020	Agree	11/17/10		+2,000,000				
FD-011	10/06/10	082-0005	1	CMB-0021	Agree	11/17/10		+500,000				
FD-012	10/06/10	082-0006	1	CMB-0022	Disagree	11/17/10		-0-				
FD-013	10/06/10	082-0007	1	CMB-0023	Agree	11/17/10		+4,100,000				
FD-014	10/06/10	082-0008	1	CMB-0024	Agree	12/15/10		+3,100,000				
FD-015	10/06/10	082-0009	1	CMB-0025	Agree	11/17/10						
FD-016	10/06/10	085-0003	1	CMB-0011	over taken by FD-021	01/19/11		+5,000,000	Additional Information Pending.			
FD-017	10/06/10	085-0004	1	CMB-0012	over taken by FD-021	01/19/11		+10,300,000	Additional Information Pending.			
FD-018	10/06/10	084-0006	1	CMB-0013	Disagree	11/10/10		-0-	Additional Information Pending.			
FD-019	10/06/10	086-0003	1	CMB-0014	Agree	11/10/10		TBD				
FD-020	10/06/10	084-0007	1	CMB-0015	Agree	11/10/10		TBD				
FD-021	01/14/11	085-0005	1	CMB-0027	Agree	01/19/11	(18,000,000.00)	(18,000,000)	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	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	1	CMB-0032	Agree	07/27/11						
FD-024	11/17/10	087-0002	1	CMB-0033	Agree	08/24/11		(350,000)				
FD-025	04/13/11	083-0001		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.			

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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.			
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		mab	06/27/12
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		mab	06/27/12
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			

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FD-038	11/07/12	Elongated Sidewalk Buld-out at Chinatown Station						TBD	CTS Sidewalk Bulb out (Southwest corner Stockton/Washington) To bring the Central Subway Project - Chinatown Station in closer conformance with 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								+3,866,000	Incorporated budget increases have been absorbed by allocated and unallocated funds and the program budget to date remains \$1,578,300,000.			
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		
X51-002	07/31/10	082-0002	Form B Credit for 1251 Utilities	7				(7,967,949)	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	1252-(TUN) Revised estimate, escalation impact and contingency	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	OEWD's Pilot Training Program	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	CS 155-2 (DP2) CBP4 - Construction Budget Adjustment YOY	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		Change UMS Advertise Date to April 4th, 2012						DP2 Designer's new proposed dates for Pre-Final and Final Design have pushed out Advertise Dates.			
X53-003	04/11/12	084-0002	CN1253 (UMS) Construction Budget Adjustment 90%					+55,720,600	CMB is currently vetting the 90% estimate of \$221,534,723 which represents a \$XX 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	Approve/Execute/Certify durations change for UMS Contract						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	CS 155-2 (DP2) CBP5 - Construction Budget Adjustment YOY	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		Change CTS Advertise Date to May 23rd, 2012		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 to February 8th, 2012						Change CTS Advertise Date from May 23, 2012 to February 8, 2012 (-74 working days)			
X54-005	12/06/11		Revisions to CTS Construction Schedule		CMB-0060	Agree	12/28/11					
X54-006	12/07/11	085-0002	CS 155-2 (DP2) CBP4 - Construction Budget Adjustment - allowed	7								
X55-001	07/18/11	086-0001	CS 155-2 (DP2) CBP6 - Construction Budget Adjustment YOY	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		Change MOS Advertise Date to June 25th, 2012						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 to May 23rd, 2012						Change MOS Advertise Date from June 25, 2012 to May 23, 2012 (-22 working days)			
X55-004	06/26/12		Change MOS Advertise Date to Aug 20, 2012						Change MOS to August 20, 2012			

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CENTRAL SUBWAY PROJECT
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Item #	Date Initiated	Change Description	Change Type	CMB No.	Status		Projected Cost Impact +Exposure/(Benefit)		Comments	Modification Number	Completed by Project Controls Manager per Completed Change Form		
					Action	Date	Actual/Forecast	Potential Change			Verifier Name	Date	
X56-001	10/25/11	Change STS Advertise Date to July 27th, 2012							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	STS Construction Schedule Revision for Equipment Procurement											
X56-003	06/26/12	Change STS Advertise Date to October 1, 2012							Change STS Advertise Date to October 1, 2012				
X40-001	10/19/11	028-0001 SFPUC CDD Updated Budgets	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 DP1: CS 155-1 Modifications No. 2 & 3	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 DP1: CS 155-1 Modification No. 4	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 Increase City Auditor Budget	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 Increase SFCTA Budget	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 DP2: CS 155-2 Modification No. 1	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			
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	SS		
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	SS		
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	SS		
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			
OTHER TRENDS (Based on Various Trends)													
									+59,258,533	Current Forecast reflects a net +3,537,933 unfavorable impact for all Other Trends.			
GRAND TOTALS													
									+63,154,265	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.			

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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-	-0-	To be addressed in Amendment 1.	Amendment 1 Pending	
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	
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								+696,882	+290,000	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.		
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	

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					Action	Date	Actual/Forecast	Potential Change			Verifier Name	Date	
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.				
1552-0012	08/23/11	072-0012	Station Air Replenishment System	-	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	COR for Additional Services Related to MOS Constructability Review and Assessment of Alternatives	-				-0-	Cost charged to Task 2.70- part of base work				
1552-0014	09/22/11	072-0014	Proposal for Additional Work to provide Structural Engineering Support (Optional Services)	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								+1,046,324	+850,384	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.			
Contract CS-155-3													
1553-0001	08/09/11	073-0001	Authorization to commence optional tasks 9.20J Technical Specifications Item J Facility SCADA	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	Authorization to commence optional tasks 12.05 Architectural F	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	Authorization to commence optional tasks 12.13J Facility SCADA Design	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	Authorization to commence optional tasks 12.12E traction power cables for CAD production	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	Proposal to hire Wilson Ihrig to support Acoustics, Noise and Vibration tasks.	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	Proposal to exercise optional task 12.07 Public Art.	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	Proposal to exercise optional sub-task 12.12 structural design of the OCS attachments.	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	Scope Clarification - Add Emergency and Location Signage.	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.				

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1553-0009	10/11/11	073-0009	Proposal to exercise mechanical optional task A 12.11 to design a water line on the FBS station platform.	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	Proposal to exercise Task 12.01 Surface Segment site Drainage	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	Proposal to exercise Task 12.02 Sewer Relocation and Analysis Report.	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	CTS - Alternate 5	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	Proposal for Geotechnical Services	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	Authorization to commence optional tasks 12.12E traction power cables for CAD production, Optional task 2.50 Coordination with Art			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	Proposal for additional services in Response to Approved (ECP) FD-034 Operation Performance and Safety Enhancements to 4th and King and 6th and King.	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			
1553-0016	03/23/12	073-0016	Proposal for additional work - Tunnel Air Replenishment System (Exercise Optional Service)	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	mab	06/26/12
1553-0017	05/14/12	073-0017	Extension of PC Support Technician	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	Extension of CSP Quality Manager	1		Authorized	05/04/12	+61,043		Signed by Director of Transportation 5/14/12 COMPLETE, NO FURTHER ACTION; Amendment #3	Amendment 3 Approved		
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								+1,961,345	+85,486	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.			

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