


Memorandum

CS Memorandum No. 1331

To: Distribution

From: Susan MacKenzie, Document Control Manager 

Date: January 18, 2013

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

Subject: Configuration Management Board Meeting No. 108

Attached please find minutes for Configuration Management Board Meeting No. 108 held on January 2, 2013.

Attachments: CMB Meeting No. 108 Rev. 0 Minutes with attachments

Cc: David Kuehn, STV (w/attachments) david.kuehn@stvinc.com
Shahnam Farhangi, SFMTA (w/attachments)
Albert Hoe, SFMTA (w/attachments)
Arthur Wong, SFMTA (w/attachments)
Roger Nguyen, SFMTA (w/attachments)
Quon Chin, CSP (w/attachments)
Jane Wang, SFMTA (w/attachments)
Chuck Morganson, HNTB/B&C (w/attachments)
Aileen Read, CSDG (w/attachments)
CS File No. M544.1.5.0890

Distribution:

Brad Lebovitz, STV bradley.lebovitz@stvinc.com
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John Funghi, SFMTA
Joon Park, SFMTA
Richard Redmond, CSP
Ross Edwards, CSP
Eric Stassevitch, CSP
Mark Latch, CSP
Mark Benson, CSP
Beverly Ward, CSP
Sarah Wilson, CSP

CMB Meeting Minutes #108

DATE: January 04, 2013

MEETING DATE: **January 02, 2013**

LOCATION: 821 Howard St, Main Conference Room

TIME: 3:00 PM – 6:45PM

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

COPIES TO: Attendees: S. Farhangi (SF), R. Nguyen (RN), A. Wong (AW), J. Wang (JW), Q. Chin (QC), C. Campillo (CC), M. Lee (ML) 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 # 108 – Rev. No. 0

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

ITEM #	DISCUSSION	ACTION BY DUE DATE
1- 11/28/12	<p>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 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.</p> <p>12/19: An update to the Total Contract Modification No. 30 was presented with PG&E agreement for Trends Nos. 46, 51, 55, 61, 63, 66, 69 and 79. A partial agreement for Trend # 05 was reached for reimbursement cost of \$61K. The amount which remains in question is \$17K for 2mos of rental and maintenance after PG&E cleared out. Also presented was Trend #81 Use of regular concrete instead of CDF to cover PG&E electrical ductbanks. The CMB directed the RE to: 1) Continue negotiations with PG&E to obtain additional Form B reimbursement for Trend #05, 2) Remove cost related to differing conditions from Trend #05 and reassign cost to another CMod which is not Form</p>	M. Benson 01/09/13

ITEM #	DISCUSSION	ACTION BY DUE DATE
	B reimbursable. 3) Finalize cost and obtain a Form B agreement with PG&E for Trend #81. This item will be brought back to the CMB. Status: <i>01/02 This item was not discussed at this week's meeting.</i>	
2- 12/06/12	1252 – M. Benson and S. 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: <i>01/02 This item was not discussed at this week's meeting</i>	S. Wilson 12/19/12
10- 12/06/12	1252 – S. 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: <i>01/02 A revised COR was submitted for approval; however the CMB requested that additional rewrite be done to state that "Contractor provided a flagger at the request of SFMTA".</i>	
1- 12/19/12	1251 – M. Acosta presented a Final Contract Value for CMods 1 through 12 and the remaining contract modification 13 thru 30 for a total value of \$21,107,191. A final Bid Item Analysis determined there are 40 each (\$299,008K) in unused bid items. The RE calculated the General Condition rate of 19.69% costs/credits from under/over usage. In addition the CMB directed the RE to use 15% General Conditions rate instead of the 19.69%. This item will be brought back to the CMB with the revised final contract cost. Status: <i>01/02 The Construction Manager reported the SFMTA Contract Administrator did not agree with the over/under usage for General Condition's rate of 15% and is not prepared to sign off unless evidence of an actual analysis is presented. The CMB directed the RE to write a paragraph of introduction stating that a thorough analysis of CN1250 was done and as in CN1251 the same Contractor same staff and equipment were used and based on that a calculation rate of 18% was reach, so a rate of 15% for general condition over/under will be used in CN1251.</i>	M. Benson 01/16/13
3- 12/19/12	1252 - S. Wilson presented PCC 008 for Tunnels – UMS Tree Removal. In accordance with spec sec. 32 90 05 03 Stump Removal. The RE requested a lump sum cost from the Contractor for tree and stump removal at the northeast corner of Stockton and O'Farrell Streets to a depth of 6" below grade. The Contractor priced the work at \$12K. The CMB was in agreement that the price received from the Contractor was too high and directed the RE to discuss with A. Clifford (<i>PM/CM</i>) his recommendation of which certified tree removal companies contacted by him would be best suited to perform the work. In addition the permit issued by DPW – Bureau of Urban Forestry requires the work be performed by January 12, 2013. Direction was also given to the RE to revise the text "Certified Arborist is required, which is not the case. This item will be brought back to the CMB at a later date. Status: <i>01/02 The Program Director provided an status update stating that the permit has been extended for another six months and that the stump removal work will be transferred to the 1300 Contract. CLOSED</i>	
1	1252 – S. Wilson presented Evaluation of Merit of, COR 031 – Retrieval Shaft – Unmarked 12" Steel Pipe – Contractor discovered and removed a 12" steel pipe running continuously under Columbus Ave. between Powell and Union Streets. Removal was necessary to complete the Joint trench work. CMB agreed with merit for differing site condition work associated with removal of pipe	
2-	1252 – S. Wilson presented Evaluation of Merit of, COR 061 – Eight inch Abandon Water Main – Contractor encountered an 8" main in the middle of the SW panel P-17 at the TBM Launch Box approximately 6" below the guidewall. Pipe was not shown on drawings. CMB agreed with merit for differing site condition work associated with removal of pipe.	

ITEM #	DISCUSSION	ACTION BY DUE DATE
3-	1252 – S. Wilson presented Evaluation of Merit of, COR 062 – LB – Panel P-09 Buried Obstruction – Contractor encountered concrete encased 12in clay sewer pipe with slurry wall panel P-9 at the TBM Launch box 8 feet below the top of the SW guidewall. Concrete encasement is not shown on the drawings. The encasement required the Contractor to deviate from the designed excavation limits. The CMB did not agree with merit requesting the evaluation of merit be rewritten to address time impact, if any. In addition the CMB suggested the RE should include the inspector's daily tags as backup or reference the tag numbers in the write-up when force account work is involved. <i>This item will be brought back to the CMB.</i>	S. Wilson 01/09/13
4-	1252 – S. Wilson presented Evaluation of Merit of, COR 065 – LB – Panel P-12 Buried Obstruction Contractor encountered concrete encased 12in clay sewer pipe with slurry wall panel P-12 at the TBM Launch box 7 feet below the top of the SW guidewall. Concrete encasement is not shown on the drawings. The encasement prevented SW construction from occurring as originally planned. The CMB did not agree with merit requesting the evaluation of merit be rewritten to address time impact, if any. In addition the CMB suggested the RE should include the inspector's daily tags as backup or reference the tag numbers in the write-up when force account work is involved. <i>This item will be brought back to the CMB.</i>	S. Wilson 01/09/13
5-	1252 – S. Wilson presented Evaluation of Merit of, COR 067 – LB – Panel P-10 Buried Obstruction - Contractor encountered concrete encased 12in clay sewer pipe with slurry wall panel P-10 at the TBM Launch box 7 feet below the top of the SW guidewall. Concrete encasement is not shown on the drawings. The encasement prevented SW construction from occurring as originally planned The CMB did not agree with merit requesting the evaluation of merit be rewritten to address time impact, if any In addition the CMB suggested the RE should include the inspector's daily tags as backup or reference the tag numbers in the write-up when force account work is involved. <i>This item will be brought back to the CMB.</i>	S. Wilson 01/09/13
6-	The Project Trend/Change Control Log update thru 12/19/12 was reviewed. The CMB requested that final contract cost information for contracts 1250 Utilities Relocation and 1251 UMS Utilities be cross checked and correlated with Board memos written to close are reflected in the logs summary.	

ACTION ITEMS

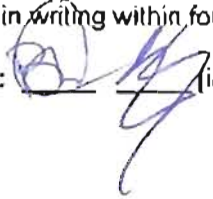

ITEM #	MTG DATE	MTG ACTION DATE	DESCRIPTION	BIC	DUE DATE	STATUS
5	08/08/12	08/29/12	1252 – PCC 1252-02 UMS Headwalls	M. Benson	10/10/12	Open
1	11/07/12	11/07/12	1300 – WP 1254 – SF Planning Request	R. Edwards	11/28/12	Open
3	11/14/12	11/14/12	1252 – COR 033 – Retrieval Shaft – 20" Water Line	S. Wilson	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	CLOSED
2	12/05/12	12/05/12	1252 – COR 007 – Summary Record of Negotiations – rewrite	S. Wilson	12/19/12	Open
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
1	12/19/12	12/19/12	1251 – Revised final contract cost	M. Acosta	01/16/13	Open

central subway

3	01/02/13	01/02/13	1252 - COR 062 - LB - Panel P-09 Buried Obstruction	S. Wilson	01/09/13	Open
4	01/02/13	01/02/13	1252 - COR 065 - LB - Panel P-12 Buried Obstruction	S. Wilson	01/09/13	Open
5	01/02/13	01/02/13	1252 - COR 067 - LB - Panel P-10 Buried Obstruction	S. Wilson	01/09/13	Open

Meeting adjourned at 6:45pm

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:  [Date review completed]

Meeting Agenda

Project No. M544.1, Contract No. CS-149
Program/Construction Management
Configuration Management Board (CMB) Meeting No. 108
January 02, 2013
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 031 - Retrieval Shaft - Unmarked 12" Steel Pipe – Merit
 COR 061 - LB – Panel P-17 Buried Obstruction – Merit
 COR 062 - LB – Panel P-09 Buried Obstruction – Merit
 COR 065 - LB – Panel P-12 Buried Obstruction – Merit
 COR 067 - LB – Panel P-10 Buried Obstruction – Merit
 COR 041 - Full time flagger – Rewrite approval
4. **1253 (UMS)** – Nothing to Report
5. **1254 (CTS)** – Nothing to Report
6. **1255 (MOS)** – Nothing to Report
7. **1256 (STS)** – Nothing to Report
8. **Trend/Change Log** –
9. **Other Business** –

Meeting Attendance Sheet

Project No. M544.1, Contract No. 149
 Program/Construction Management
 Configuration Management Board Meeting No. 108
 January 02, 2013
 3:00 p.m. – 5:00 p.m.
 Central Subway Project Office
 821 Howard, 2nd Floor
 Main Conference Room

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

NAME	AFFILIATION	PHONE	E-MAIL (for minutes)	INITIALS
Please enter initials if your name is listed below.				
Please enter name, affiliation, phone number and email address if your name is not listed below.				
Benson, Mark	CSP	(415) 701-4295	Mark.Benson@sfmta.com	<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	
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	

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 031

Recommendation: Accept justification of Merit for COR 031, Retrieval Shaft - Unmarked 12” Steel Pipe

Facts: On August 21st 2012, the Contractor discovered and removed an abandoned 12” Steel pipe which traveled underneath Columbus avenue between Powell and Union Streets. Removal of this pipe was necessary to complete the joint trench work at the retrieval shaft work area. 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.

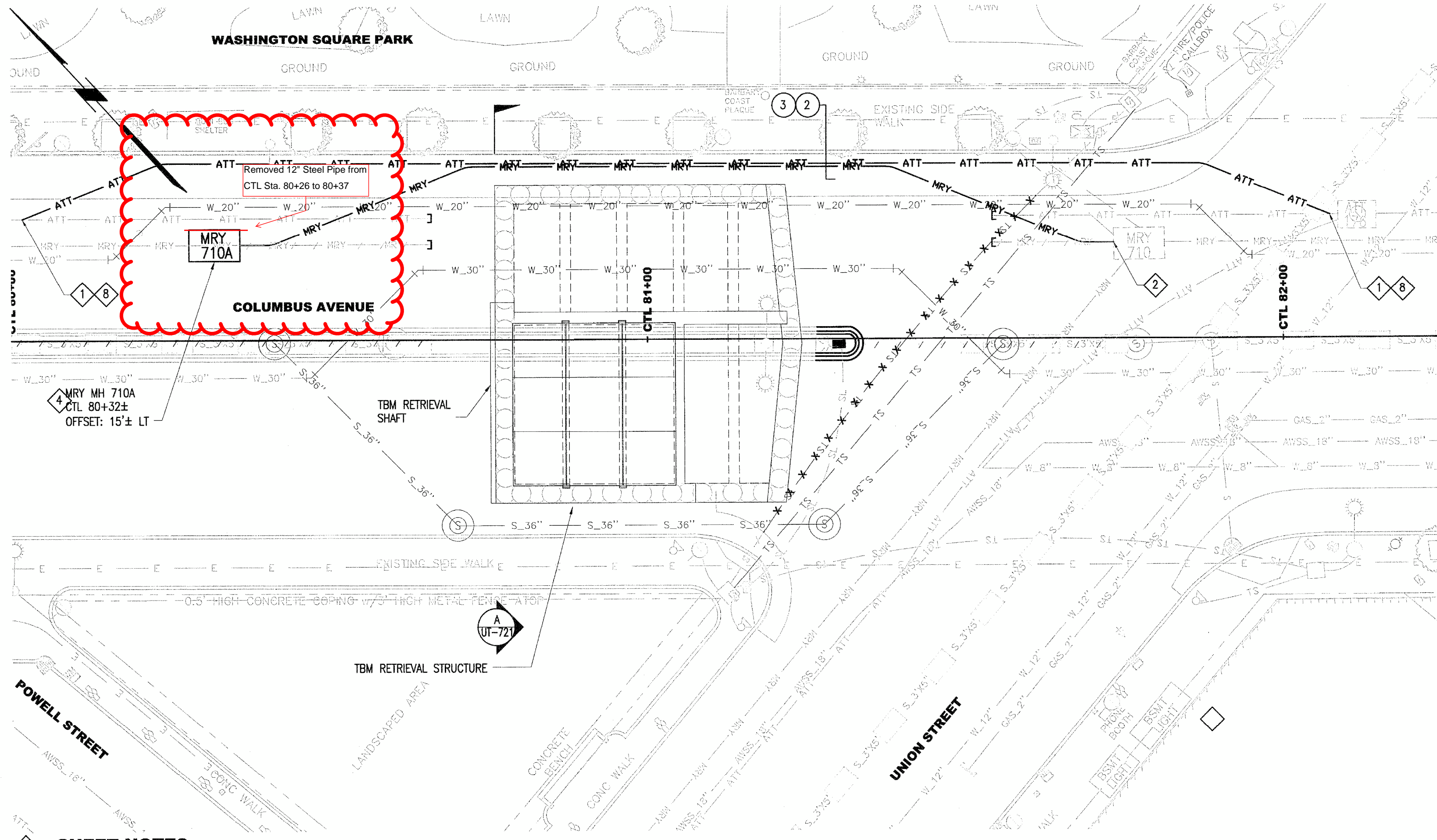
RE notes that the Differing Site Condition does not include:

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: _____ Date _____
 Sarah Wilson
 Resident Engineer

_____ Date _____
 Configuration Management Board
 Approval

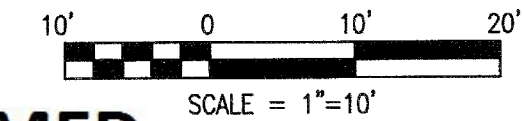


CONDUIT NOTES:

CONDUIT NOTE #	CONDUIT # AND SIZE	UTILITY AGENCY
1	6-5", 8-2"	MRY
2	6-5", 2-2"	MRY
3	8-4"	AT&T

SHEET NOTES:

1. CONNECTION TO EXISTING DUCTBANK BY UTILITY OWNER. COORDINATE SCHEDULE FOR WORK WITH UTILITY OWNER.
2. STUB CONDUITS INTO EXISTING PULLBOX/VAULT. COORDINATE WORK WITH PULLBOX/VAULT OWNER.
3. MAINTAIN EXISTING SERVICE OR PROVIDE INTERIM SERVICE UNTIL NEW SERVICE IS CUT-OVER.
4. COORDINATE INSTALLATION OF MUNI VAULT AND CONNECTION TO EXISTING DUCTBANK WITH MUNI.
5. STUB AND CAP CONDUITS FOR FUTURE EXTENSION.
6. CONNECT TO EXISTING STUBBED OUT CONDUITS.
7. UTILITIES SHOWN ON THIS PLAN REFLECT CONDITION AFTER COMPLETION OF CONSTRUCTION OF TBM RETRIEVAL SHAFT STRUCTURE.
8. PROVIDE EXCAVATION TO SUPPORT UTILITY CONNECTION THAT SATISFIES UTILITY AGENCY REQUIREMENTS.

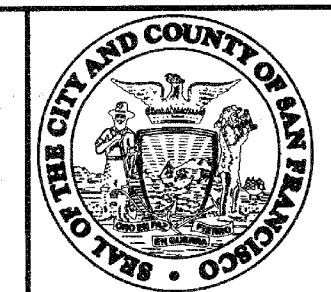
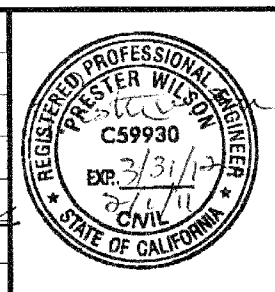


CONFORMED

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

PB TELAMON
TELAMON ENGINEERING CONSULTANTS INC.

DESIGNED: P. WILSON
 DRAWN: F. BAYANI
 CHECKED: M. DEFORGE
 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
JOINT TRENCH TBM RETRIEVAL SHAFT CTL 80+00 TO 82+25

CONTRACT NO.	1252
SFMTA CONTROL NO.	CL-18049
DRAWING NO.	JT-701
SHEET NO.	97
REVISION	0

S:\60503\m544.1\FinalDesign\Drawing-821\2-Civil\Joint Trench\Sheet Files CP03\M54423JT701.dwg FBayani Wed Jan 26, 2011 - 4:04 pm JT-701

BORDER: REVISED: 05/18/2009

THIS RECORD CONTAINS SENSITIVE SECURITY INFORMATION THAT IS CONTROLLED UNDER 48 CFR PARTS 1.5 AND 101. NO PART OF THIS RECORD MAY BE DISCLOSED TO PERSON WITHOUT A NEED TO KNOW, AS DEFINED IN 48 CFR PARTS 1.5 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.

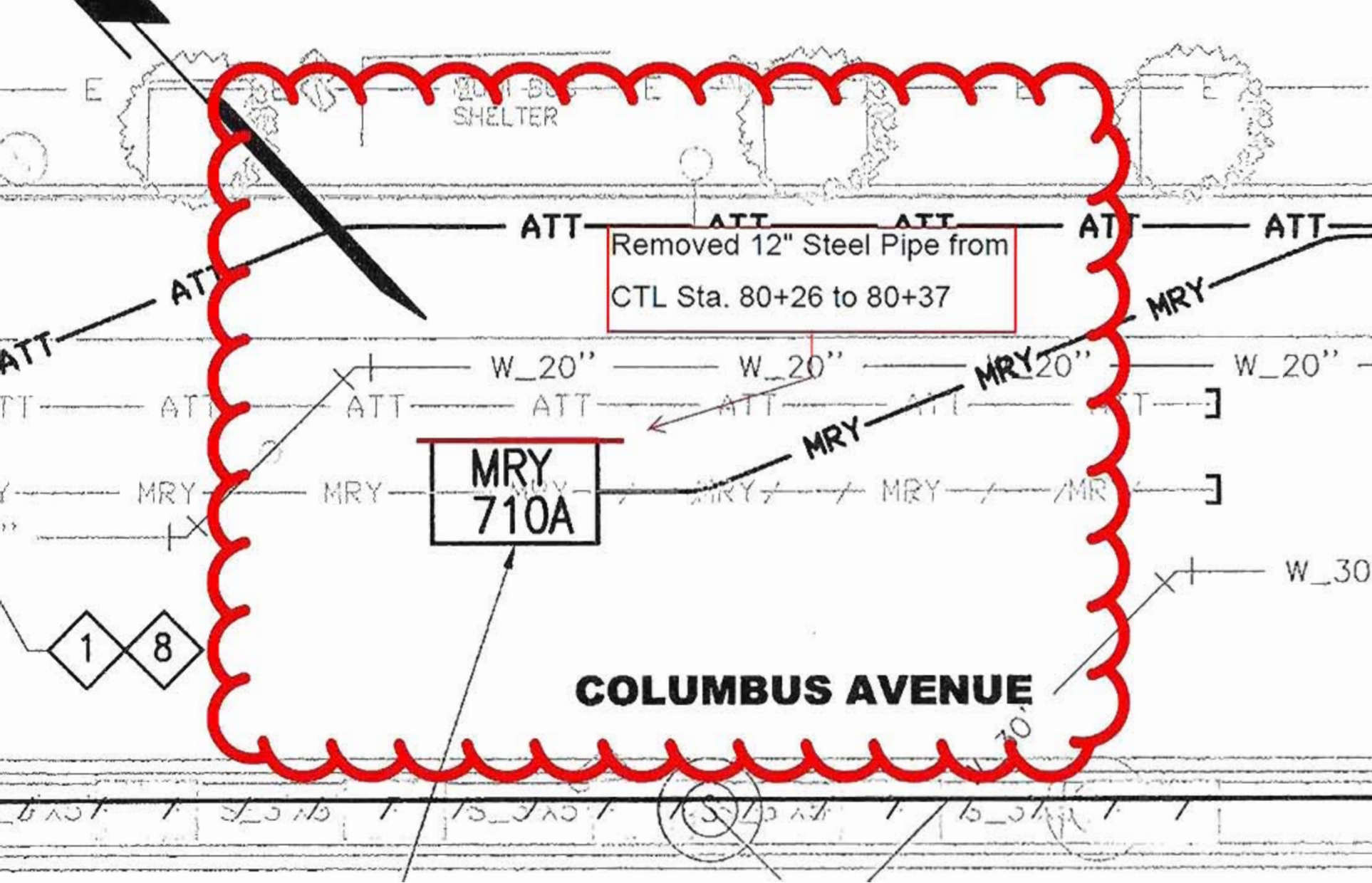
BLVD BUS
SHELTER

Removed 12" Steel Pipe from
CTL Sta. 80+26 to 80+37

MRY
710A

COLUMBUS AVENUE

1 8



SFMTA Contract No. 1252

Contractor: Barnard Impregilo Healy JV (BIH)



EVALUATION OF MERIT

COR 041

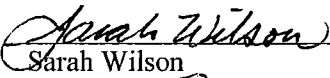
Recommendation: Accept Justification of Merit for COR 041 - providing a full time flagger for one night shift of work @ the intersection of the I-80 off-ramp. Reimbursement will be made part of the Form B process to recoup costs from PG&E.

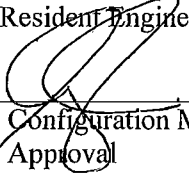
Facts: On May 21st, based on direction from the SFMTA, the Contractor provided a full time flagger for one night shift of work @ the intersection of the I-80 off-ramp near 4th/Bryant streets.

Contractor Rationale for COR: The Contractor contends that the flagger was provided per the request of the SFMTA in order to facilitate PGE as required to finish the abandoning of the live power feed to the Launch Box area. The Contractor was directed to track the costs on Force account.

Justification: PGE needed flagging assistance in the intersection of the I-80 off-ramp in order to access the PGE vault which provided power to the Launch Box area. The utilities leading from the vault were shown in the contract drawings to be abandoned.

Change Type – (2) Unforeseen Condition and (6) Private Utility

By:  1/2/13
Sarah Wilson Date
Resident Engineer

 1-2-13
Configuration Management Board Date
Approval

SFMTA Contract No. 1252

Contractor: Barnard Impregilo Healy JV (BIH)

EVALUATION OF MERIT

COR 061

Recommendation: Accept justification of Merit for COR 061. Occurrence of a buried water main within slurry diaphragm wall (SW) panel P-17 constitutes a differing site condition.

Facts: On November 5th 2012, the Contractor encountered an 8 inch abandoned water main within SW panel P-17 at the TBM Launch Box approximately 6 inches below the SW guidewall. The line was found perpendicular to the slurry wall and is believed to be a lateral that connected to a 12 inch AWSS main outside the limits of the SW.

A backhoe was used to clear the obstruction prior to recommencing SW excavation with the low overhead crane. The buried obstruction impacted SW operations for approximately ½ hour. A time extension has not been requested for this work.

Contractor Rationale for COR: The contract does not indicate the presence of the water main within the footprint of SW panel P-17. The water main has prevented slurry diaphragm wall construction from occurring as originally planned.

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

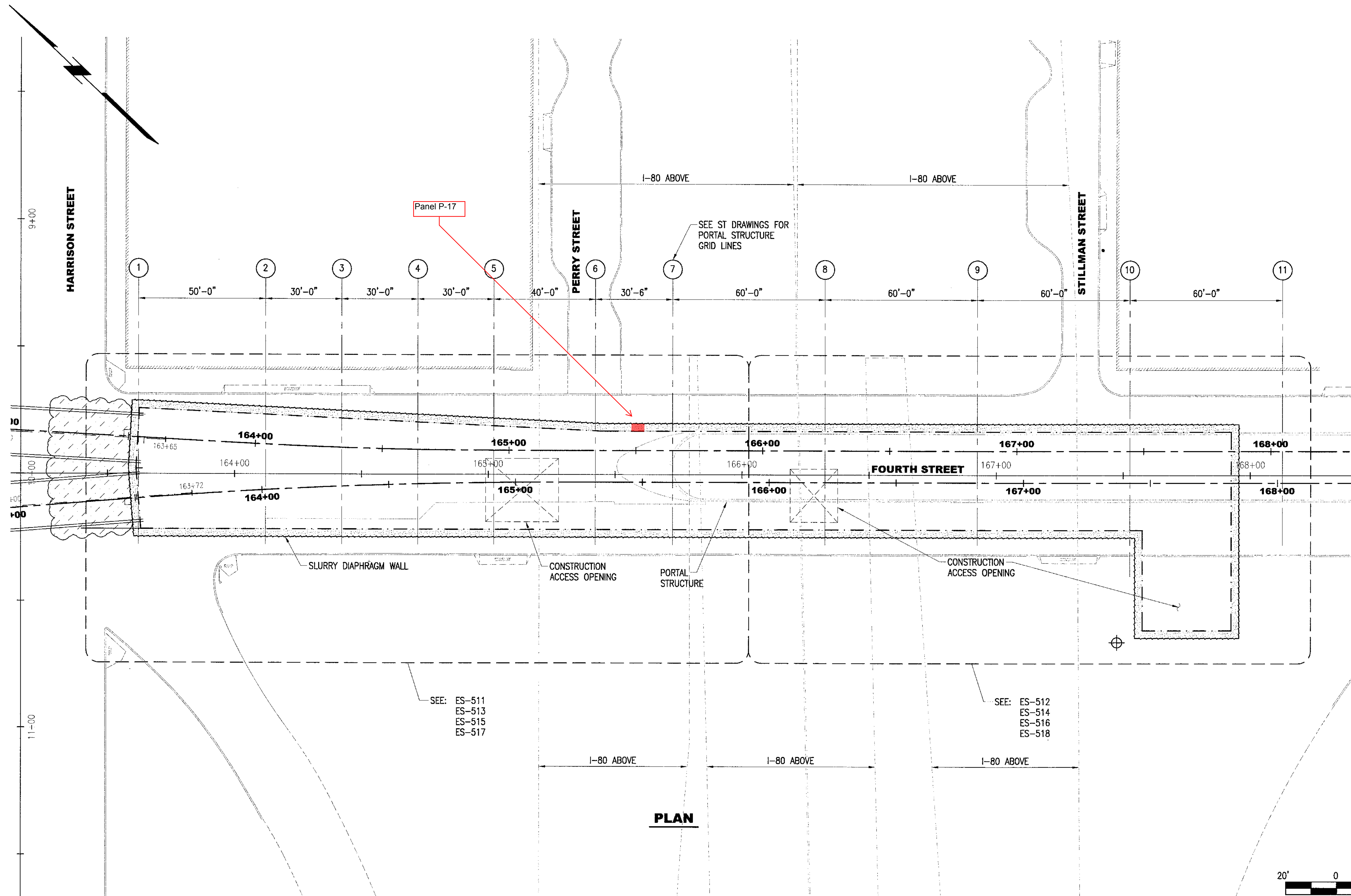
RE notes that the Differing Site Condition does not include:

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.

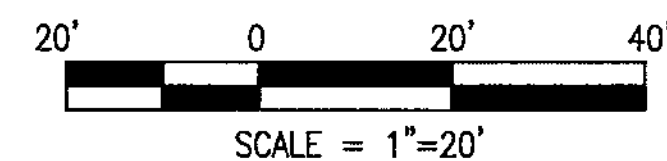
By: _____ Date _____
 Sarah Wilson
 Resident Engineer

_____ Date _____
 Configuration Management Board

\\sv6nas003.rmuti.sfgov.org\m544.1\FinalDesign\Drawing-821\3-Structural\Excavation and Ground Support\Sheet Files CP03\M54423ES501.dwg tmarasig Wed Feb 02,2011 - 3:56 pm ES-501

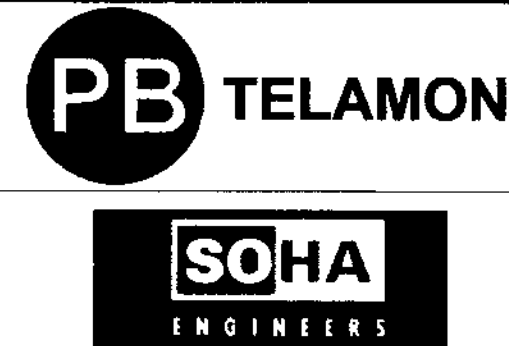


PLAN

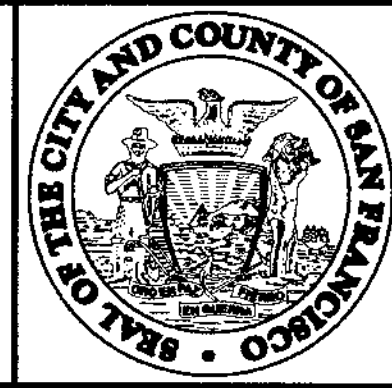
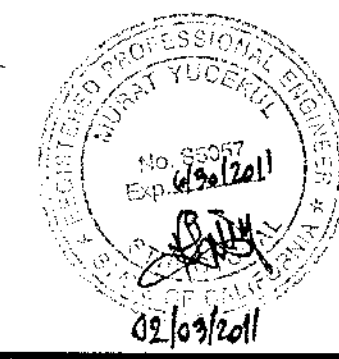


CONFORMED

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



DESIGNED: M. YUCEKUL
 DRAWN: K. SMITH
 CHECKED: A. DELL
 REVIEWED: M. HUDSON
 RECOMMENDED: M. FOWLER
 APPROVED: R. EDWARDS
 DATE: JAN 21 2011



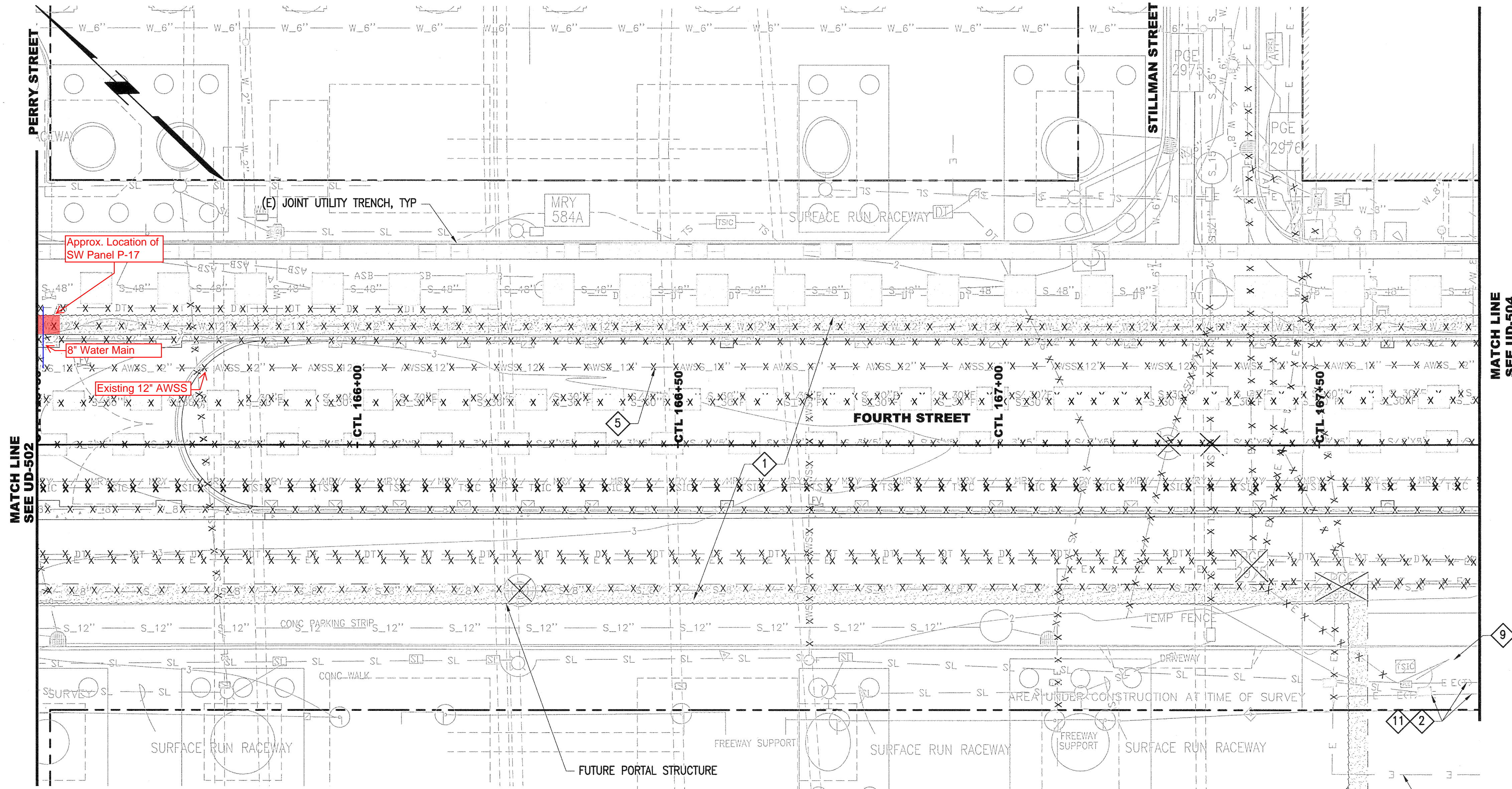
CITY AND COUNTY OF SAN FRANCISCO
MUNICIPAL TRANSPORTATION AGENCY

APPROVED
[Signature]
 EXECUTIVE DIRECTOR/CEO

THIRD STREET LIGHT RAIL PROGRAM
 PHASE 2 - CENTRAL SUBWAY TUNNELS
**EXCAVATION AND GROUND SUPPORT
 TBM LAUNCH BOX
 GENERAL PLAN**

CONTRACT NO.	1252
SFWTA CONTROL NO.	CL-18191
DRAWING NO.	ES-501
SHEET NO.	314
REVISION	0

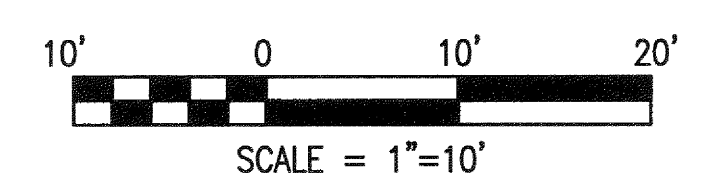
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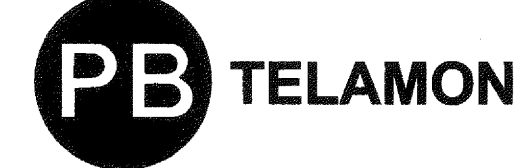
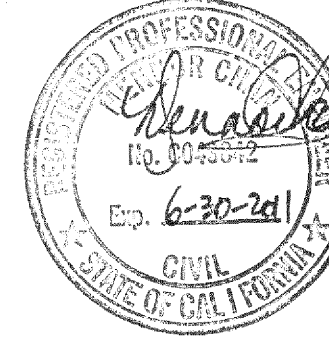
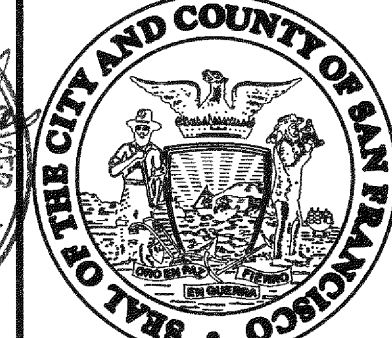

NOTES:

1. DEMOLISH AND REMOVE ALL ABANDONED UTILITY FACILITIES, INCLUDING PREVIOUSLY ABANDONED FACILITIES NOT SHOWN ON PLANS, WITHIN LIMITS OF LAUNCH BOX 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 LAUNCH BOX 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 OR SLURRY WALL LIMIT.
9. (E) STREET LIGHT POLE. TEMPORARILY REMOVE IF NECESSARY POLE FOR LAUNCH BOX STRUCTURE CONSTRUCTION AND REINSTALL AFTER PORTAL CONSTRUCTION.
10. TEMPORARY REMOVE AND REINSTALL CATCH BASIN IN CURRENT LOCATION IF FOUND TO BE IN CONFLICT WITH LAUNCH BOX CONSTRUCTION. NOTIFY ENGINEER.
11. RELOCATE (E) SERVICE TO OUTSIDE OF LAUNCH BOX STRUCTURE. COORDINATE WITH OWNER.

APPROX. LOCATION CALTRANS LIGHT TOWER (PROTECT IN PLACE)



CONFORMED

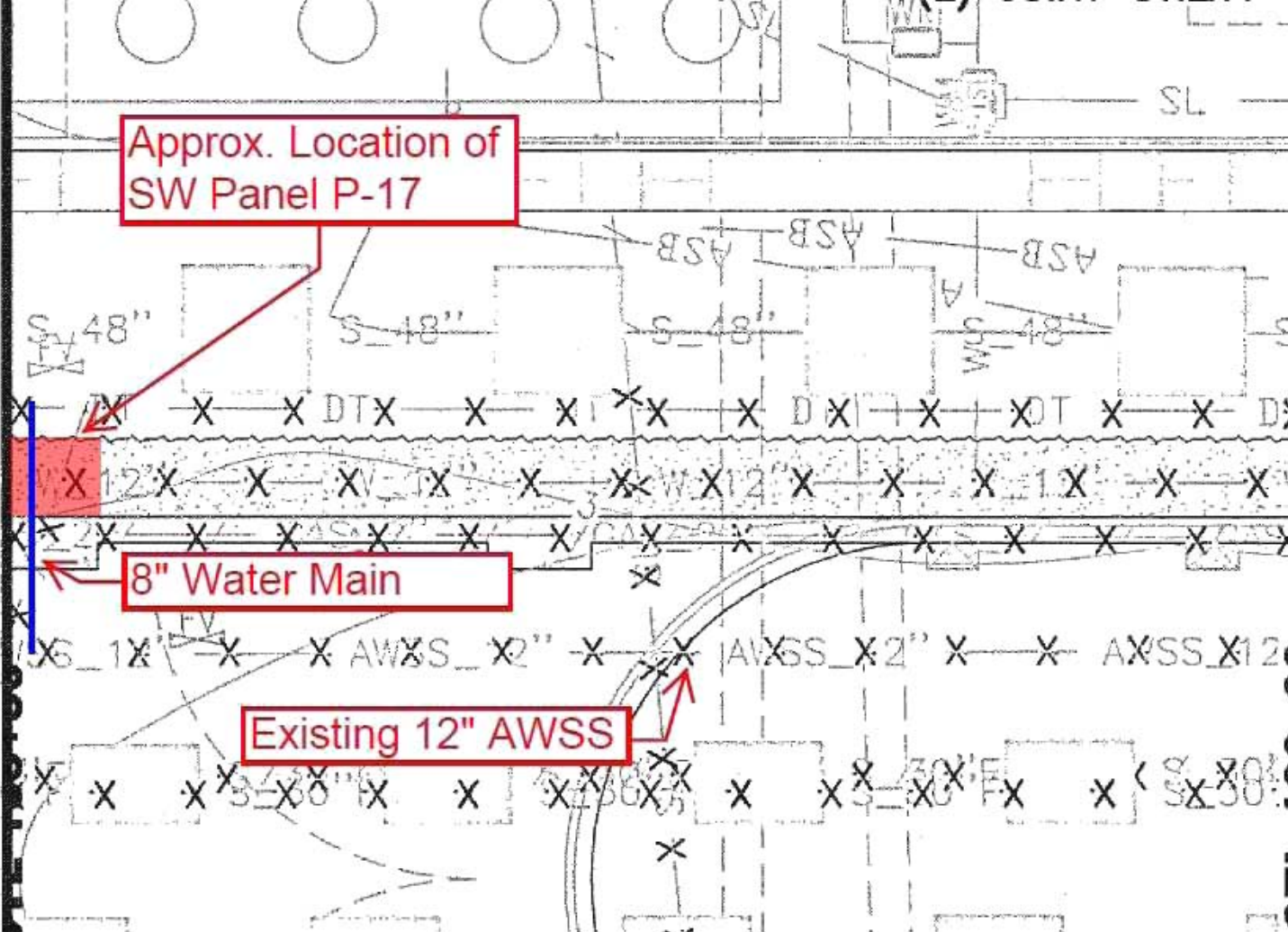
	 TELAMON ENGINEERING CONSULTANTS INC.	DESIGNED: M. DEFORGE DRAWN: E. MATIAS CHECKED: D. ZUURING REVIEWED: M. CHAN RECOMMENDED: M. FOWLER APPROVED: R. EDWARDS DATE: JAN 21 2011	 	CITY AND COUNTY OF SAN FRANCISCO MUNICIPAL TRANSPORTATION AGENCY APPROVED:  EXECUTIVE DIRECTOR/CEO	THIRD STREET LIGHT RAIL PROGRAM PHASE 2 - CENTRAL SUBWAY TUNNELS UTILITY DEMOLITION FOURTH STREET PORTAL CTL 165+50 TO 167+75	CONTRACT NO. 1252 SFMTA CONTROL NO. CL-18033 DRAWING NO. UD-503 SHEET NO. 86	REVISION 0
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BORDER REVISED 05/18/2009

Approx. Location of
SW Panel P-17

8" Water Main

Existing 12" AWSS



SFMTA Contract No. 1252

Contractor: Barnard Impregilo Healy JV (BIH)

EVALUATION OF MERIT

COR 062

Recommendation: Accept justification of Merit for COR 062, Launch Box Panel P-9 Buried Obstruction. Time impact associated with this COR has not yet been determined.

Facts: On November 7th 2012, the Contractor encountered concrete encasement around a 12 inch clay sewer pipe within Slurry Wall (SW) panel P-9 at the TBM Launch Box approximately 8 feet below the top of the SW guidewall. The concrete encasement caused the SW to deviate from the designed excavation limits. To correct the verticality of the panel excavation, the panel was backfilled with lean concrete and re-excavated. The Contractor is claiming the obstruction caused 4 working days delay to the SW work.

Contractor Rationale for COR: The contract does not indicate the presence of the concrete encasement within the footprint of SW panel P-9. The concrete encasement has prevented SW construction from occurring as originally planned.

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

RE notes that the Differing Site Condition does not include:

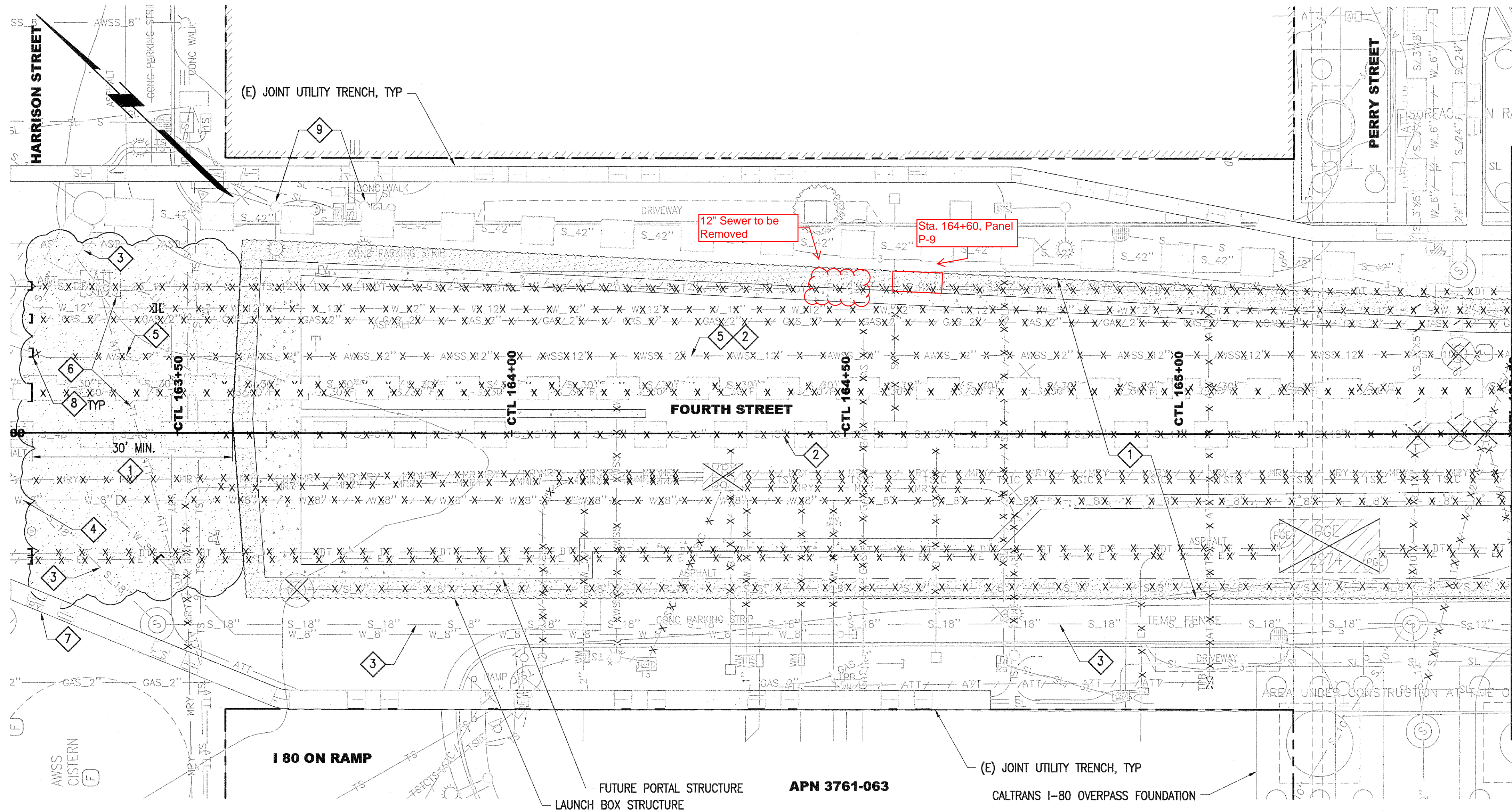
1. All that is indicated in or may reasonably interpreted from the Contract Documents or Reference Documents;
2. All that could be seen on Site by diligent observation;
3. Conditions that are materially similar or characteristically the same as those indicated or described in the Contract Documents or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

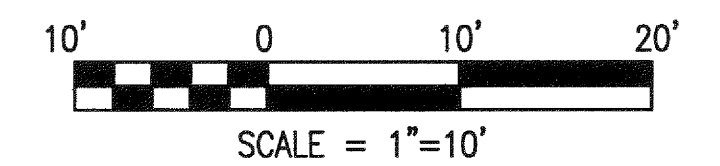
_____ Date _____
 Configuration Management Board
 Approval

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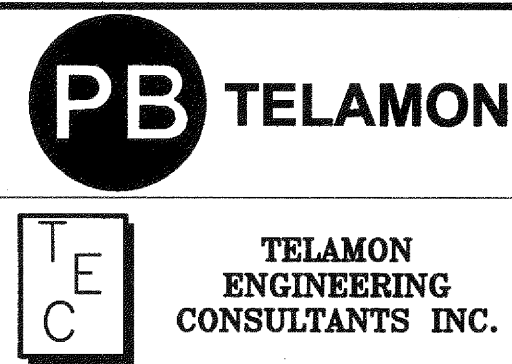
NOTES:

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2. ACTIVE UTILITIES SHALL BE MAINTAINED UNTIL RELOCATION OR CUT OVER, UNLESS OTHERWISE NOTED. COORDINATE DEMOLITION WITH LAUNCH BOX CONSTRUCTION PHASING.
3. PROTECT (E) SEWER.
4. SEE (WD) DRAWINGS FOR ABANDONEMENT 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 OR SLURRY WALL LIMIT.
9. (E) STREET LIGHT POLE. TEMPORARILY REMOVE POLE IF NECESSARY FOR LAUNCH BOX STRUCTURE CONSTRUCTION AND REINSTALL AFTER PORTAL CONSTRUCTION.

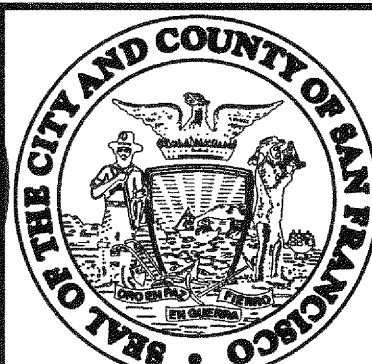
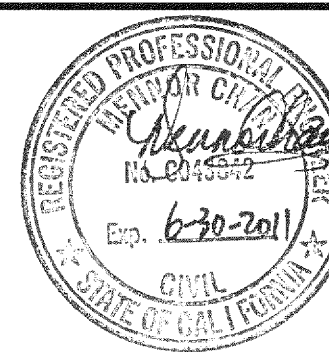


CONFORMED

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



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
 CARTER R. ROHAN
 EXECUTIVE DIRECTOR/CEO

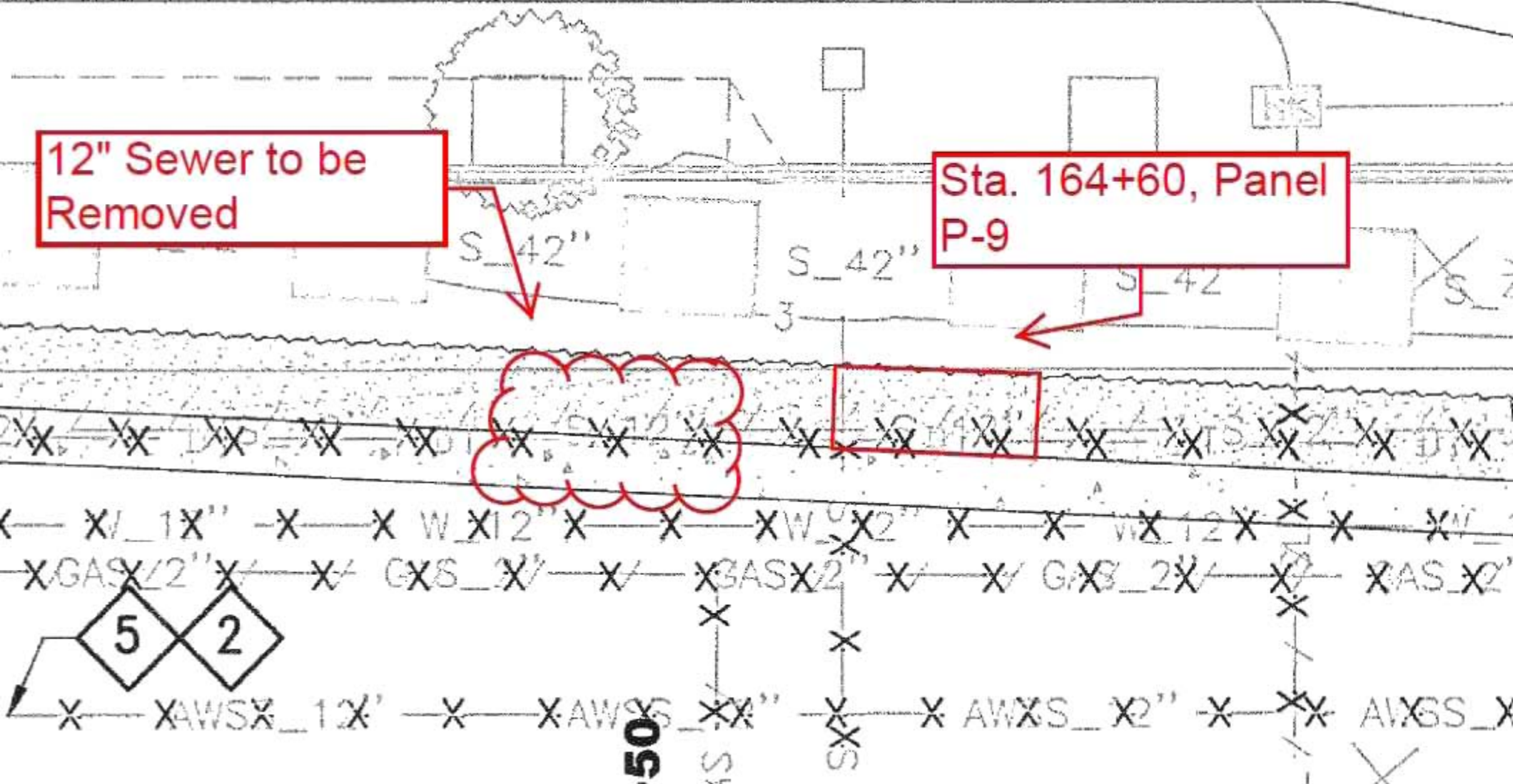
THIRD STREET LIGHT RAIL PROGRAM
 PHASE 2 - CENTRAL SUBWAY
 TUNNELS

UTILITY DEMOLITION
 FOURTH STREET PORTAL
 CTL 163+25 TO 165+50

CONTRACT NO. 1252	
SFMTA CONTROL NO. CL-18032	
DRAWING NO. UD-502	REVISION 0
SHEET NO. 85	

12" Sewer to be Removed

Sta. 164+60, Panel P-9



SFMTA Contract No. 1252

Contractor: Barnard Impregilo Healy JV (BIH)

EVALUATION OF MERIT

COR 065

Recommendation: Accept justification of Merit for COR 065, Launch Box Panel P-12 Buried Obstruction. Time impact associated with this COR has not yet been determined.

Facts: On November 13th 2012, the Contractor encountered concrete encasement around a 12 inch clay sewer pipe within Slurry Wall (SW) panel P-12 at the TBM Launch Box approximately 7 feet below the top of the SW guidewall. The concrete encasement caused the SW to deviate from the designed excavation limits. To correct the verticality of the panel excavation, the panel was backfilled with lean concrete and re-excavated. The Contractor is claiming the obstruction caused 4 working days delay to the SW work.

Contractor Rationale for COR: The contract does not indicate the presence of the concrete encasement within the footprint of SW panel P-12. The concrete encasement has prevented SW construction from occurring as originally planned.

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

RE notes that the Differing Site Condition does not include:

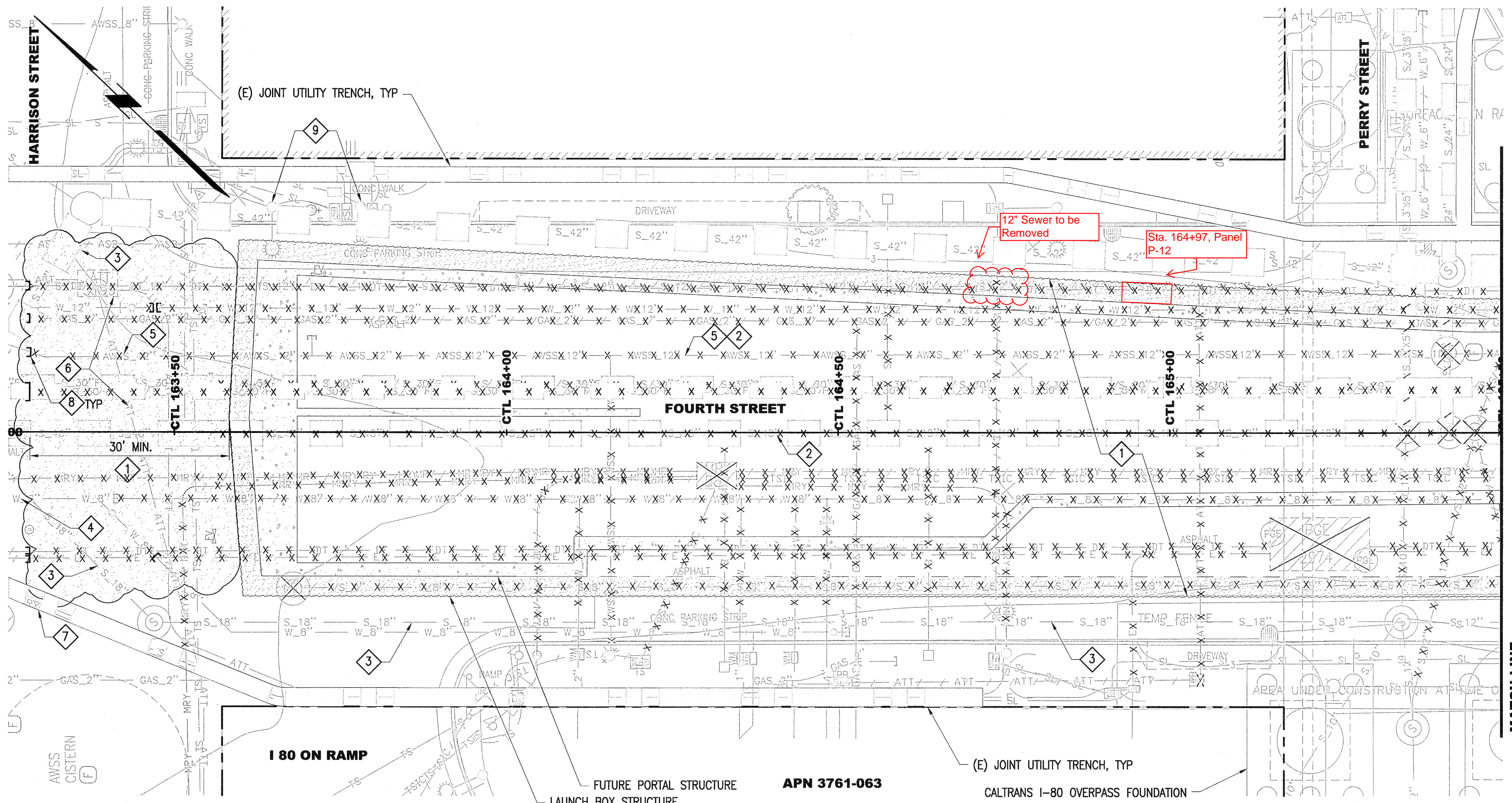
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4. Conditions where the location of a building component is in the proximity where indicated in or reasonably interpreted from the Contract Documents or Reference Documents

Change Type: (2) Unforeseen Condition

By: _____ Date _____
 Sarah Wilson
 Resident Engineer

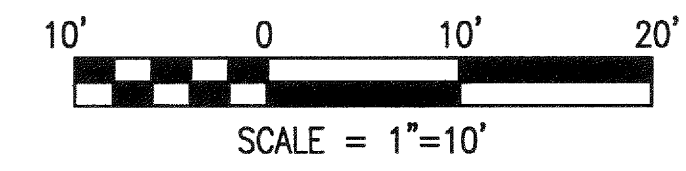
_____ Date _____
 Configuration Management Board
 Approval

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NOTES:

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7. PROTECT (E) JOINT TRENCH.
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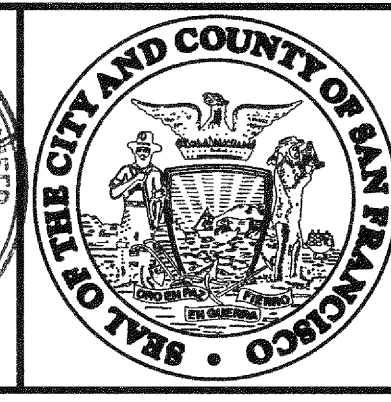
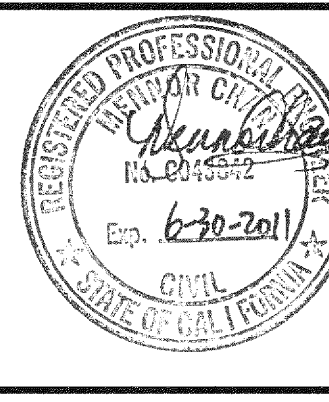


CONFORMED

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



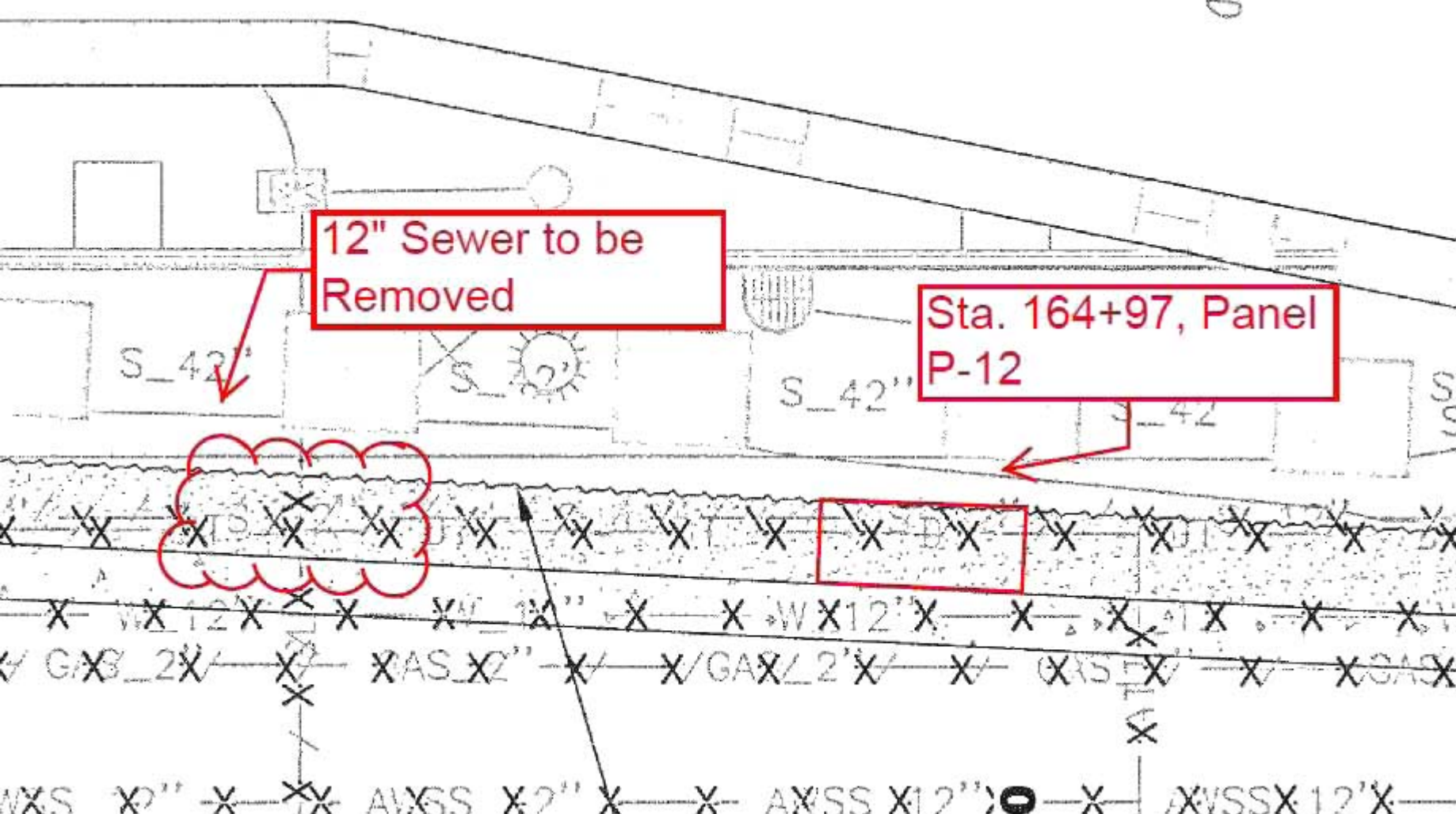
CITY AND COUNTY OF SAN FRANCISCO
MUNICIPAL TRANSPORTATION AGENCY
 APPROVED: CARTER R. ROHAN
 EXECUTIVE DIRECTOR/CEO

THIRD STREET LIGHT RAIL PROGRAM
 PHASE 2 - CENTRAL SUBWAY TUNNELS
 UTILITY DEMOLITION
 FOURTH STREET PORTAL
 CTL 163+25 TO 165+50

CONTRACT NO.	1252
SFMTA CONTROL NO.	CL-18032
DRAWING NO.	UD-502
SHEET NO.	85
REVISION	0

12" Sewer to be Removed

Sta. 164+97, Panel P-12



SFMTA Contract No. 1252

Contractor: Barnard Impregilo Healy JV (BIH)

EVALUATION OF MERIT

COR 067

Recommendation: Accept justification of Merit for COR 067, Launch Box Panel P-10 Buried Obstruction. Time impact associated with this COR has not yet been determined.

Facts: On November 19th 2012, the Contractor encountered concrete encasement around a 12 inch clay sewer pipe within Slurry Wall (SW) panel P-10 at the TBM Launch Box approximately 7 feet below the top of the SW guidewall. An excavator was used to clear the obstruction. The Contractor is claiming the obstruction caused 4 hours delay to the SW work.

Contractor Rationale for COR: The contract does not indicate the presence of the concrete encasement within the footprint of SW panel P-10. The concrete encasement has prevented SW construction from occurring as originally planned.

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

RE notes that the Differing Site Condition does not include:

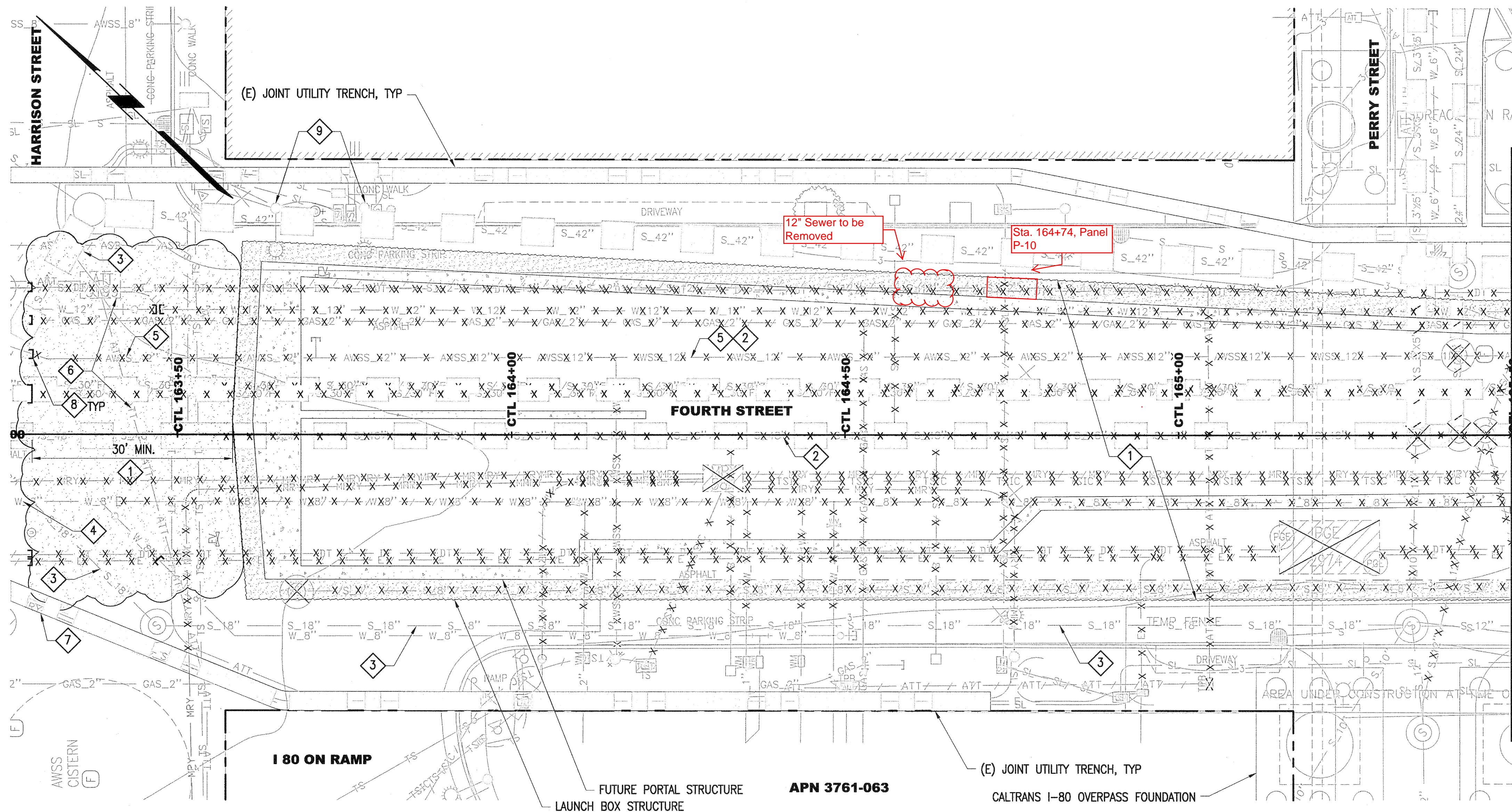
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Change Type: (2) Unforeseen Condition

By: _____ Date _____
 Sarah Wilson
 Resident Engineer

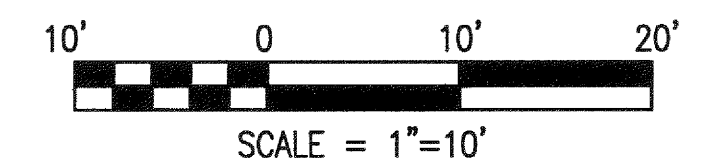
_____ Date _____
 Configuration Management Board
 Approval

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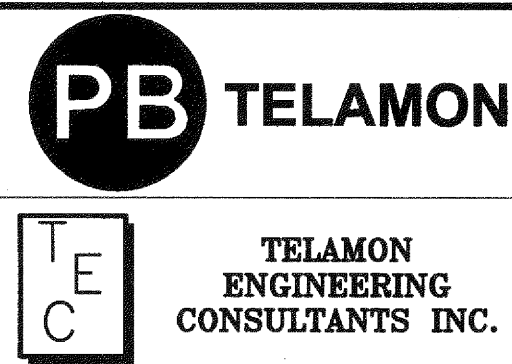
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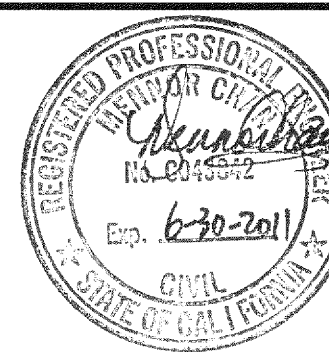


CONFORMED

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



DESIGNED: M. DEFORGE
 DRAWN: E. MATIAS
 CHECKED: D. ZUURING
 REVIEWED: M. CHAN
 RECOMMENDED: M. FOWLER
 APPROVED: R. EDWARDS
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CITY AND COUNTY OF SAN FRANCISCO
MUNICIPAL TRANSPORTATION AGENCY

APPROVED
 CARTER R. ROHAN
 EXECUTIVE DIRECTOR/CEO

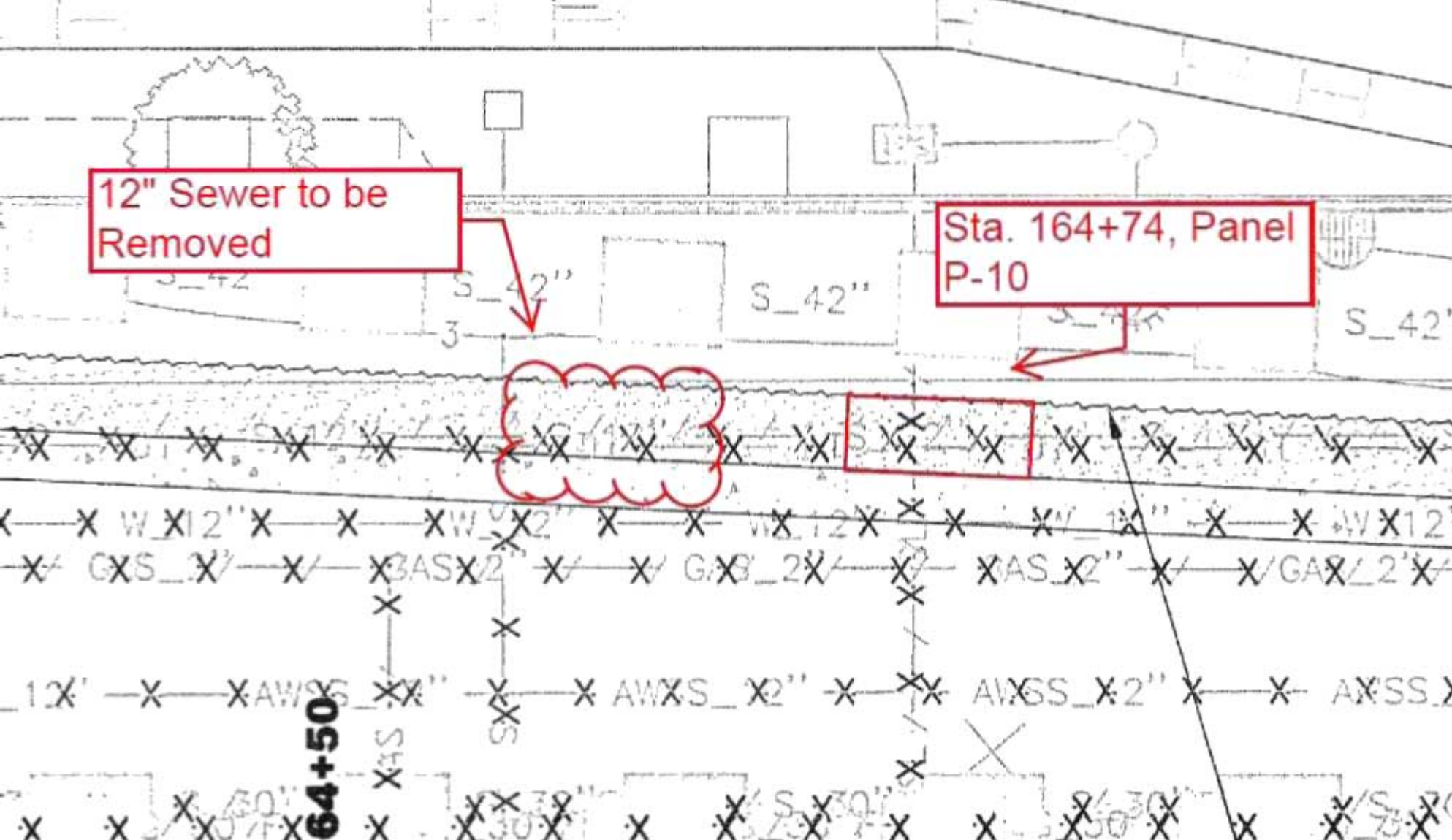
THIRD STREET LIGHT RAIL PROGRAM
 PHASE 2 - CENTRAL SUBWAY
 TUNNELS

UTILITY DEMOLITION
 FOURTH STREET PORTAL
 CTL 163+25 TO 165+50

CONTRACT NO. 1252	
SFMTA CONTROL NO. CL-18032	
DRAWING NO. UD-502	REVISION
SHEET NO. 85	0

12" Sewer to be Removed

Sta. 164+74, Panel P-10



CENTRAL SUBWAY PROJECT
Project Trend/Change Control Log

1/16/2013

Trend Log

Projected Trends versus Current Cost Estimate and Allocated Contingencies													
Item #	Date Initiated	CMB No.	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/Sillman	3	N/A			+47,000		Location of existing sewer to be intercepted differs from where it's shown in the plan, hence additional sewer to be installed. Also, due to optional sewer MH not buildable until (E) AT&T DB is removed, additional sewer is necessary to tie into (E) main as interim. New sewer is supposed to tie into optional MH. No reimbursement from SFPUC Sewer. RFI #91 COMPLETE, NO FURTHER ACTION; CMOD #7	CMOD #7 Approved		
1250-0010	10/06/10	081-0010	Perform AT&T wye cast connection and chipping of existing 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		

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

CENTRAL SUBWAY PROJECT
Project Trend/Change Control Log

1/16/2013

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
1250-0012	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.			
1250-0022	10/06/10	081-0022	Install additional 30 feet of DIP and new AWSS at 4th/Harrison	2	CMB-0026	Agree	01/12/11	+160,908		AWSS Point of connection on 4th Street was found to be cast iron instead of ductile iron as shown in DPW as-built. Due to this differing condition, additional length of pipe needs to be replaced and lead joint to be installed in order to install a ductile iron tee. Also, existing AWSS hydrant lateral is in conflict with new 18" sewer. The preferred solution was to install a new ductile iron lateral at a different location rather than installing vertical offsets on an existing cast iron lateral. No reimbursement from SFPUC AWSS. COMPLETE, NO FURTHER ACTION; CMOD #15	CMOD #15 Approved		
1250-0023	10/06/10	081-0023	Steel plates and shoring standby for 2 months due to PG&E delay at Clementina	3				+24,981		Sewer at Clementina was delayed by 2 months due to PG&E vault conflict. PG&E will not pay cost of steel plates and shoring standby because PG&E drawings were sent to MTA during design phase and PG&E was not made aware of the conflict then. COMPLETE, NO FURTHER ACTION; CMOD #13	CMOD #13 Approved		
1250-0024	10/06/10	081-0024	Utility support and work around for AT&T facilities	6	CMB-0048	Agree	08/24/11	+95,311		Contract specs specified AT&T to compensate contractor directly for workaroud and 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	Utility support and work around for PG&E facilities	6				+182,980		Contract specs specified PG&E to compensate contractor directly for workaroud and support. PG&E negotiated \$100,000 directly with Synergy and will pay synergy directly as well.			
1250-0026	10/06/10	081-0026	Utility support and work around for SFWD facilities	3	CMB-0028	Agree	02/09/11	+66,510		Total cost known to date (10/5/10) of all SFWD support and workaroud. 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		

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1250-0027	10/06/10	081-0027	Trucking and labor support for Archaeological mitigation	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	Trucking and labor support for Archaeological mitigation, Part II	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	Cost overrun for bid item UD-10 "Additional excavation and backfill"	4	CMB-0036	Agree	05/04/11	+112,500	Bid item UD-10 is to pay for excavation of connection hole and kill hole for SFWD line. Contract only included 200 cubic yard for this work. The size of excavations is dictated by field conditions and per the direction of SFWD inspector. RE's estimate of the total volume of dirt to be excavated is 630 cy. Examples of differing conditions encountered are: location of existing water line is different than where it's shown in the plan, existing waterline where shown in the plan to be connected to is inactive, differing condition at 5th/Clementina, connection holes and kill holes need to be expanded due to other utilities in the way. COMPLETE, NO FURTHER ACTION; CMOD #17	CMOD #17 Approved		
1250-0030	12/08/10	081-0030	Supplement bid item GE-4 "Allowance for differing site conditions" related to the installation of publicly owned facilities only (sewer, water, AWSS, Joint trench)	4	CMB-0030	Agree	04/13/11	+235,595	This change order is to supplement GE-4 for cost overrun related to the installation of publicly owned infrastructure only. GE-4 cost overrun for installation of privately owned infrastructure is being tracked separately and a separate change order will be issued. COMPLETE, NO FURTHER ACTION; CMOD #16	CMOD #16 Approved		
1250-0031	12/08/10	081-0031	Unused allowance for bid item GE-8 "Allowance for cast-in-place utility vaults"	4				(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			
1250-0032	12/08/10	081-0032	Unused allowance for bid item UD-5 "Handling and disposal of Class I Hazardous Waste"	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	Unused allowance for bid item UD-6 "Transportation of Class I Hazardous Waste"	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	Cost overrun for bid item TR-6 "Allowance for manual traffic control"	4	CMB-0037	Agree	05/04/11	+68,820	Bid item TR-6 is an allowance to pay for off-duty police officers and parking control officers. Contract allowance amount is \$50,000.00. Contract specs calls for police officers at 4 intersections (4th/Howard, 4th/Folsom, 4th/Harrison and 4th/Bryant). The average cost of 1 police officer is about \$300.00 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 AI 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	Premium cost for requesting contractor to accelerate work on 4th Street between Howard and Folsom	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	Rental/Maintenance costs for support of Archeological Trenches (Part 1 of 4) \$255,840; Support Work During Archeologist Mitigation Efforts (Part 2 of 4) \$199,741; Mobilization and Equipment Standby Costs (Part 3 of 4) \$67,728; Additional Overhead/Indirect Costs During Archeological Delay Period (Part 4 of 4) \$124,186	2	CMB-0041	Agree	07/13/11 02/15/12 07/25/12 09/12/12	+450,867	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 10/29: CMod 20 is being issued as a unilaterally change, by the SFMTA that represents the SFMTA's estimate of a fair and reasonable final compensation amount for the additional work. COMPLETE, NO FURTHER ACTION; CMOD #20	CMOD #20		

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1250-0037	12/08/10	081-0037	Compensation for loss of production, inefficiency and disruption of work due to archaeological discovery	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 \$398,453. RE has adjusted to \$681,559 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	Project Delay due to archaeological discovery and PG&E issues.	2					-0-	Due to archaeological discoveries compounded with PG&E's ability to perform service switchover to Olivet University and de-energize a live 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.				
1250-0039	05/18/11	081-0039	Remove BP-4 (Waterproofing) from Contract	4					-0-	Bid item was not used. Contractor requesting compensation to recover for General Conditions cost. Bid item amount total is \$40,000. NO FURTHER ACTION; Superseded by COR #58. (See 1250-0043 below)	N/A			
1250-0040	05/18/11	081-0040	Delete SW-8 (24" Sewer) from Contract	4					-0-	Bid item was not used. Contractor requesting compensation to recover for General Conditions cost. Bid item amount total is \$73,117. NO FURTHER ACTION; Superseded by COR #58. (See 1250-0043 below)	N/A			
1250-0041	05/18/11	081-0041	Delete UD-5 and UD-6 (Class I Off haul and Handling) from Contract	4					-0-	Bid items were not used. Contractor requesting compensation to recover for General Conditions cost. Bid items total amount is \$150,000. NO FURTHER ACTION; Superseded by COR #58. (See 1250-0043 below)	N/A			
1250-0042	05/25/11	081-0042	Delete GE-6 (Hazmat) from Contract	4					-0-	Bid item was not used. Contractor requesting compensation to recover for General Conditions cost. Bid item amount total is \$100,000. NO FURTHER ACTION; Superseded by COR #58. (See 1250-0043 below)	N/A			
1250-9001	10/06/10	081-9001	Utility Companies refusal to contribute to utility support costs and work-around. (Voided. Recorded individually in TR-0059-TR-0061.)	7							VOIDED			
1250-0043	08/03/11	081-0043	Unit Rate Adjustment for Entire 1250 Bid Items	4					(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									+3,180,500	(54,239)	Of the total cost exposure shown, changes have been absorbed by allocated contingency in the amount of \$2,860,848. Final Contract Closeout Total \$11,968,150			
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				+127,892	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 COMPLETE, NO FURTHER ACTION	CMOD #24		1/2/2013
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					Based on field verification, it was determined that underpinning is no longer needed. Contract bid item SR-9 is for a total amount of \$116,000 measured by LF. However, CM team does not anticipate to recover the full amount because contractor may be entitled to retain general conditions cost and some excavation cost that was already performed but encumbered in Bid Item SR-9. Agreed credit of (\$55,000) to be included in Trend #60. CLOSED, NO FURTHER ACTION			
1251-0009	04/20/11	082-0009	Additional cost for police officers and/or Parking Control Officers for traffic control.	4	CMB-0038	Agree	06/01/11	+261,584	Contract bid item TR-7 for manual traffic control in the amount of \$120,000 is insufficient to control traffic for the duration of the contract. The \$120,000 allowance only equates to one police officer for a duration of 7.5 months. At a minimum, it is anticipated that one police officer or PCO will be needed at Stockton/Post for the entire contract duration of 16 months. Additionally, one PCO is required for each intersection at Geary/Stockton and O'Farrell/Stockton. COMPLETE, NO FURTHER ACTION; CMOD #4	CMOD #4 Approved		
1251-0010	05/25/11	082-0010	Accelerate Stockton east between O'Farrell and Market	1				+27,409	Contractor needed to rent additional excavators to work concurrently with the other block on Stockton between O'Farrell and Market. Amount: \$27,409; COR #25 COMPLETE, NO FURTHER ACTION; CMOD #3	CMOD #3 Approved	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	
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	

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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. COMPLETE, NO FURTHER ACTION; CMOD #21	CMOD #21		1/2/2013
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			
1251-0022	09/07/11	082-0022	Change OCS supports at SF Hilton Hotel on Mason Street from embedded eyebolts to poles w/foundations.	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	4th Street & Folsom Trolley Bypass	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	Install a 5" slurry wall between the gas line and wet utilities if the separation is less than 3 feet	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 COMPLETE, NO FURTHER ACTION; CMOD #19	CMOD #19		1/2/2013
1251-0025	09/07/11	082-0025	Additional PG&E conduit crossings at Geary and O'Farrell to minimize service interruption during future UMS Station construction	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.			

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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. (See CMOD #23)			
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 COMPLETE, NO FURTHER ACTION; CMOD #21	CMOD #21		1/2/2013
1251-0031	10/26/11	082-0031	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. COMPLETE, NO FURTHER ACTION; CMOD #21	CMOD #21		1/2/2013
1251-0032	11/08/11	082-0032	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. COMPLETE, NO FURTHER ACTION; CMOD #19	CMOD #19		1/2/2013
1251-0033	11/23/11	082-0033	1	CMB-0068	Agree	03/07/12		+408,700	Additional enclosure wall is design initiated change. COR #47, PCC #9 Updated projected cost impact from \$262,484 to \$408,700. 39 Calendar Day Time Extension COMPLETE, NO FURTHER ACTION; CMOD #13 (formally CMOD #14)	CMOD #13	MAB	4/21/2012
1251-0034	01/10/12	082-0034	2	CMB-0069	Agree	04/04/12		+337,548	Existing utilities that are in active service were discovered in the City public right-of-way and are obstructing the performance of Contract work. Worst case scenario - "Not to Exceed" value) CM team will report actual amount value at a later date COR #71 CMB agreed to a Not-to-Exceed amount of \$346,456 on 4/4/12. All physical work was scheduled to complete by 4/13/12 COMPLETE, NO FURTHER ACTION; CMOD #17	CMOD #17	MAB	6/28/2012
1251-0035	01/11/12	082-0035	1						UMS Design Team requested 1251 to pothole (6'Wx12'Lx8'D) on Stockton between Post and Geary 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.			

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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) COMPLETE, NO FURTHER ACTION; CMOD #18	CMOD #18		01/02/13
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. COMPLETE, NO FURTHER ACTION; CMOD #22			
1251-0039	01/17/12	082-0039	Furnish and install 2ea benches along 5th Street	1				+5,250	COMPLETE, NO FURTHER ACTION; CMOD #22			
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	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	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. AT&T agreed to reimburse SFMTA through the Form B process. COR #62 COMPLETE, NO FURTHER ACTION; CMOD #14	CMOD #14	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 (CMB 0076 approval - see Trend CN12511 #'s 72 & 80) COMPLETE, NO FURTHER ACTION; CMOD #23	CMOD #23		01/02/13
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 COMPLETE, NO FURTHER ACTION; CMOD #18	CMOD #18		01/02/13
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 126+55. However, the laterals were found to be connected to the downstream end of the existing main (toward Geary), which is called for to be abandoned in 1251 to make room for the future station. (See Trends #37 and 44) COMPLETE, NO FURTHER ACTION; CMOD #18	CMOD #18		01/02/13
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. COMPLETE, NO FURTHER ACTION; CMOD #24	CMOD #24		1/2/2013

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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) COMPLETE, NO FURTHER ACTION; CMOD #26	CMOD #26		01/02/13
1251-0048	04/10/12	082-0048	Additional cost and time for stuck auger during micropile drilling	2						Contractor's hollow stem auger got stuck during drilling of micropile #27C in front of 17 Stockton. Contractor claims differing condition as cause for the stuck auger. Contractor is asking for 1 day compensable time extension. SFMTA is reviewing claim for entitlement. COR #67 RE Denied COR (City Letter 26), however Contractor will most likely send rebuttal. CLOSED; NO FURTHER ACTION.			
1251-0049	04/10/12	082-0049	Additional cost and time for added rebar and coordination with 17-19 Stockton Owner's contractor	2	CMB-0083	Agree	11/07/12	+9,058		Existing footing of One Stockton was found to be recessed from property line. City's response to RFI 171 called for additional rebar to compensate for the gap between back of new enclosure wall and existing footing. Also, the Owner's contractor of 17-19 Stockton asked that Synergy clear his work area so he can pour the primary wall and bring in his new switchgear. Synergy is asking 2 days compensable time extension. (CMB 0083 approval - see Trend CN1251#'s 53, 59, and 64) COMPLETE, NO FURTHER ACTION			
1251-0050	04/10/12	082-0050	Additional cost to install a Type 770 pole foundation at a different location, install 2 each DPT mast arms and demo existing wall in conflict with OCS footing	2	CMB-0074	Agree	08/15/12	+48,898		Type 770 pole foundation at SW 5th/Folsom could not be installed per plan due to a conflict with a cistern. Only solution is to remove an existing pole foundation (recently installed in 1251 as contract work) to make room for the 770 pole foundation. At 5th/Folsom, 2 DPT mast arms (not shown in original plan) need to be installed. At Pole #811, an existing concrete wall is in conflict with pole foundation. RE preparing modification (CMB 0074 approval - see Trend CN1251 #'s 67, 74 & 75) COMPLETE, NO FURTHER ACTION; CMOD #20	CMOD #20		01/02/13
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 COMPLETE, NO FURTHER ACTION; CMOD #24	CMOD #24		1/2/2013
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. COMPLETE, NO FURTHER ACTION; CMOD #28	CMOD #28		1/2/2013
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 COR #74 PG&E agreed to reimburse SFMTA through the Form B process. 11/07/12 (CMB 0083 approval - see Trend CN1251#'s 49, 59, and 64) COMPLETE, NO FURTHER ACTION; CMOD #27	CMOD #27		01/02/13
1251-0054	04/17/12	082-0054	Additional waterproofing at FIDM and north end of Crate & Barrel	2				+8,151		Sidewalk in front of FIDM and north end of Crate & Barrel did not have a sub-sidewalk basement, hence the original plan did not call for waterproofing of the primary wall. While excavating for the joint trench, contractor found the existing waterproofing to be spalling and peeling off from the primary wall. COR #72 COMPLETE, NO FURTHER ACTION; CMOD #22	CMOD #22		01/02/13
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. COMPLETE, NO FURTHER ACTION; CMOD #24	CMOD #24		1/2/2013
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	+1,754		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) COMPLETE, NO FURTHER ACTION; CMOD #25	CMOD #25		1/2/2012
1251-0059	06/26/12	082-0059	Accelerate contract work at Barney's front	1	CMB-0083	Agree	11/07/12	+16,948		As a result of numerous meetings and complaints by Barneys, it was decided to accelerate contract work in order to restore Barneys sidewalk earlier (CMB 0083 approval - see Trend CN1251#'s 53, 49, and 64) COMPLETE, NO FURTHER ACTION; CMOD #27	CMOD #27		01/02/13

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1251-0060	06/26/12	082-0060	Final Bid Item Reconciliation	4				+25,946	Bid item analysis for entire contract 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. COMPLETE, NO FURTHER ACTION; CMOd #24	CMOD #24		1/2/2013
1251-0062		082-0062	Additional waterproofing at Macys Men's wall	2				+24,774	Contract did not call for waterproofing at Macys Men's wall. However, when contractor dug for the joint trench, it was found that the existing waterproofing has deteriorated and needed to be replaced. COR# 20 COMPLETE, NO FURTHER ACTION; CMOd #22	CMOD #22		1/2/2013
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. COMPLETE, NO FURTHER ACTION; CMOd #24	CMOD #24		1/2/2013
1251-0064		082-0064	Accelerate finish and detail work of AT&T and PG&E vaults	1	CMB-0083	Agree	11/07/12	+4,704	In order to expedite turn-over of AT&T and PG&E vaults, SFMTA directed Synergy to accelerate the detailing and finish work of these vaults. SFMTA will pay Synergy premium cost for OT hours. 11/07/12 (CMB 0083 approval - see Trend CN1251 #'s 53, 59, and 49) COMPLETE, NO FURTHER ACTION; CMOd #27	CMOD #27		1/2/2013
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. COMPLETE, NO FURTHER ACTION; CMOd #28	CMOD #28		1/2/2013
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. COMPLETE, NO FURTHER ACTION; CMOd #24	CMOD #24		1/2/2013
1251-0067		082-0067	Additional feeder span, no-bo insulator and adjustment of guywire for the Folsom OCS bypass	3	CMB-0074	Agree	08/15/12	+32,149	to power the new OCS necessitating installation of feeder spans. Also, adjustments to the guywire are necessary to mitigate conflict with new signal mast arms. COR #76 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) COMPLETE, NO FURTHER ACTION; CMOd #20	CMOD #20		01/02/13
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. COMPLETE, NO FURTHER ACTION; CMOd #24	CMOD #24		1/2/2013
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. COMPLETE, NO FURTHER ACTION; CMOd #24	CMOD #24		1/2/2013
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. COR #77 RE reviewing COR (CMB 0079 approval - see Trend CN1251 #'s 52 & 65) COMPLETE, NO FURTHER ACTION; CMOd #28	CMOD #28		1/2/2013

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1251-0071		082-0071	Install a new 8" backflow preventer for the fire service inside Macys Men's building	6					The new water main (installed in the 1251 Contract) is closer to the property line than the existing backflow preventer. State law stipulates that a backflow preventer be installed in between the property's fire suppression system and the water main. The SFWD refuses to make this connection until a proper backflow preventer is installed. SFMTA will insist on Macys to install its own backflow preventer. CLOSED; NO FURTHER ACTION.			
1251-0072	08/08/12	082-0072	Additional AT&T trench from new vault 5829 to existing vault 127 on Geary east of Stockton	6	CMB-0076	Agree 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) COMPLETE, NO FURTHER ACTION; CMOD #14	CMOD #14		1/2/2013
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 to prepare mod			
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). COMPLETE, NO FURTHER ACTION; CMOD #20	CMOD #20		01/02/13
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	Contractor encountered unforeseen concrete and brick substructures and abandoned utility lines. RE Tracking work on FAR RE to prepare modification (CMB 0082 approval - see Trend CN1251#'s 47, 58 & 78) COMPLETE, NO FURTHER ACTION; CMOD #20	CMOD #20		01/02/13
1251-0076	08/08/12	082-0076	Adjustment to OCS on Mason Street	2/3	CMB-0082	Agree	10/31/12	+14,987	Modify bracket arm at existing Pole #511 to alleviate tension load and bending of pole. Realign trolley wire on Mason between Geary and Eddy to smoothen transition when shifting from right lane to left lane. Also, add intermediate guywire to prevent excessive sagging of bracket arms at various locations. RE Tracking work on FAR (CMB 0082 approval - see Trend CN1251#'s 47, 58 & 78) COMPLETE, NO FURTHER ACTION; CMOD #26	CMOD #26		1/2/2013
1251-0077	09/12/12	082-0077	Additional work related to Qwest, TCG and UCCO facilities	2	CMB-0081	Agree Conditionally	10/31/12	+37,181	Qwest, TCG and UCCO requested Synergy to tie-in their existing conduits into the new vaults that Synergy installed per contract. The utility companies are responsible for connecting existing conduits into new vaults, therefore, this request is considered extra work. Private Utilities companies agreed to reimburse SFMTA through the Form B process. RE Tracking work on FAR CMB agreement contingent upon CMod package to include evidence from all utilities that cost are reimbursable to SFMTA through the Form B process. COMPLETE, NO FURTHER ACTION; CMOD #25	CMOD #25		
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) COMPLETE, NO FURTHER ACTION; CMOD #26	CMOD #26		1/2/2013
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				+44,530	Unforeseen conditions were encountered during installation of select PG&E vaults including joint trenches leading to these vaults. PG&E agreed to reimburse SFMTA through the Form B process. RE Tracking work on FAR COMPLETE, NO FURTHER ACTION; CMOD #24	CMOD #24		1/2/2013
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	+58,180	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) COMPLETE, NO FURTHER ACTION; CMOD 23	CMOD #23		1/2/2013

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1/5/1900							+4,482,370	+44,786	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. Final Contract Closeout Total \$21,003,607			
Contract 1252 - Tunnels												
1252-0001 COR #001,	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. See COR 008 for TIA request.			
1252-0002 COR #002	04/11/12	AWSS Add. Tie-Rods 4th-Harrison	6					+58,000	The AWSS line must be restrained a certain distance beyond the 90 degree elbow we are installing under contract 1252. The 1252 contract work includes excavating on both sides of this 12-foot portion of pipe. Additional work scope (per Michael Smith @ DPW): Station 162+80 to 162+90 - Restrain the existing 12-inch tee to the existing pipe north of the tee. Restrain any other joints that are not restrained on the existing pipe up to the new pipe to be installed.			
1252-0003 COR #003	04/06/12	AT&T Vault Conflict-4th & Harrison	6					+41,218	After excavation of the roadway surface and subgrade at Fourth and Harrison streets an AT&T vault was discovered to be in conflict with the current alignment of the 42" RCP sewer main. Verbal authorization was given by an AT&T representative to make modifications to the vault. COR 003 has been submitted by BIH in response to this issue. Work is to be charged via SFMTA Form B agreement to AT&T. Work is to be charged via SFMTA Form B agreement to AT&T.			
1252-0004 COR #006	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 not yet abandoned when BIH started work. They were abandoned on 5/21.			
1252-0005 COR #007	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.			
1252-0006 COR #008	07/16/12	TIA - Associated w/ COR 001, COR 002, and COR 003	6					-0-	TIA and Overhead Costs related to COR 001, 002 and 003.			
1252-0007 COR #009	05/23/12	MOS - Live Utilities: PGE, AT&T, and SFWD 8" Water Line extra kill hole location	2					-0-	Live PG&E Electrical Lines Conflict: BIH was notified that PG&E had live electrical lines running through each headwall work zone @ Moscone station. 8 inch Low Pressure Water Line Conflict: Contract drawings show this utility to be abandoned and capped prior to work. Synergy struck and damaged the water line. SFWD directed Synergy to excavate a kill hole so they could properly abandon the line.			
1252-0008 COR #010	07/16/12	MOS - Demo PGE duct bank / SF City 911 fiber optic line	2					+4,919	Upon excavation of the MOS north headwall, BIH's subcontractor Synergy Project Management (SPM) uncovered a PG&E duct bank that contained a live San Francisco 911 fiber optic line. 11/14/12 - Presented to CMB. The narrative will be rewritten CMB agrees with partial merit labor work involved in supporting the utility agencies. This item will be brought back to the CMB for approval			
1252-0009 COR #011	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. Traffic Lines re-routed.			
1252-0010 COR #012	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..			
1252-0011 COR #013	07/16/12	MOS - SL conduit from PG&E vault @ north headwall	6					+10,903	Permanent power is required to supply an existing Street Light box north of the MOS N headwall.			
1252-0012 COR #015	07/16/12	LB - Pre-Excavation for Slurry Walls	2					+96,000	Pre-excavation of slurry wall panels due to CDF encased sewer line. The concrete encasement was found by the Contractor to extend to a depth of 9'-11' below the top of guide wall or street surface. The 8" VCP sewer main and concrete encasement was incorrectly shown in the contract drawings to be approximately 4'-5' below the street surface.			

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1252-0013 COR #015	06/29/12	MOS - Standby Delays @ south headwall due to live TS lines	6					-0-	Standby delays related to the discovery of traffic lines within the proposed location of the south MOS headwall. 11/14/12 - COR presented to CMB. CMB requested additional revisions to the evaluation. CMB agrees with partial merit. The COR will be brought back to the CMB for approval.			
1252-0014 COR #019	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. 07/18/12 - This potential change was brought before the CMB. Board's decision to have DPT perform the work. CLOSED; NO FURTHER ACTION			
1252-0015 COR #020	06/22/12	PROJECT WIDE - Utility Demo limit reduction credit	5					-0-	BIH's subcontractor Synergy Project Management (SPM) would like to minimize the limits of utility demo at the Launch Box, Moscone station, UMS station and TBM Retrieval Shaft locations. Closed - SFMTA to BIH/SPM "Build per Plan".			
1252-0016 COR #021	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 COR #022	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 friable asbestos-laden transite pipe.			
1252-0018 COR #023	07/10/12	MOS - Brick Wall #2 discovered @ north headwall	2					-0-	Upon excavation of the MOS north headwall, BIH's subcontractor Synergy Project Management (SPM) uncovered a buried wall. 11/14/12 COR presented to CMB. Evaluation for merit will be rewritten and brought back to CMB for approval.			
1252-0019 COR #026	08/07/12	MOS - Asbestos Pipe at south headwall	2					+33,668	Transite pipe was discovered during MOS south headwall excavation.			
1252-0020 COR #027	08/10/12	MOS - Oil filled pipe at south headwall	2					+9,226	A pipe containing oil was discovered during MOS south headwall excavation.			
1252-0021 COR #029	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 COR Closed	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 crosspassage 5, UMS head walls and jet grouting, OCS removal along Stockton Street from Geary to Ellis, and the TBM retrieval shaft. On April 13, SFMTA released the MOS headwalls and jet grouting, jet grouting at crosspassage 5, UMS jet grouting, OCS removal along Stockton Street from Geary to Ellis, and preparatory and utility work necessary for the construction of the retrieval shaft and preparatory and utility work necessary for the construction of the retrieval shaft. CLOSED NO FURTHER ACTION.			
1252-0023 COR #004	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 COR Closed	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 COR #005	04/18/12	CDF Encasement on 42" RCP	2					+140,596	While performing excavation for the east side guidewalls at the TBM Launch Box, BIH's subcontractor CJA/NCC encountered a CDF backfill at the existing 42" RCP sewer which reportedly had a significantly higher compressive strength than the 50-150 psi. which was anticipated. BIH claims that the CDF conflicted with the construction of the guidewalls and it could not be excavated by conventional means.			
1252-0026 COR Closed	06/12/12	Damage to Live LPW main at 4th and Folsom	2					-0-	Synergy Demo Crew hit a blow-off valve on the 8" water line at the Southwest corner of the MOS headwalls. SFWD is to install a permanent cap per contract drawing WD-404.			
1252-0027 COR #014	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. Issue closed, cost of fence paid by BIH in return for use of gas station lot. 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 COR #016	07/16/12	LB - SPTC delays due to concrete encased 8" sewer	2					-0-	Closed. Combined with COR 015. Verbal information presented to CMB at mtg 07/25 as a potential change. CLOSED; NO FUTHER ACTION			
1252-0029 COR #018	07/16/12	MOS - South Headwall re-design	1					-0-	Costs related to leave end stops in place and a "T-Section" at the Moscone headwalls return walls. 11/14/12 - Presented to CMB. RE is recommending a possible compensation value of \$135K. CMB agrees with partial merit for labor and material cost of this COR. RE will proceed with scoping the work			
1252-0030 COR #024	08/02/12	Ellis - Utility demolition	3					+38,678	BIH says that no utilities were shown at Ellis; however, Reference Drawing UE-126 shows utilities.			
1252-0031 COR #025	07/25/12	Crack Gauges	4					-0-	BIH disagrees with SFMTA on the total number of crack gauges to be installed on the project. Per the contract drawings a total of 926 crack gauges are to be installed. BIH claims that a total of 50 are to be installed.			
1252-0032 COR #028	08/07/12	Ellis asbestos abatement	2					+40,000	A steam line containing asbestos was discovered during potholing at the Ellis Street Shaft.			
1252-0033 COR #030	08/15/12	LB - Class 1 Hazardous Material Haul off	2					+198,276	BIH trucking costs for Class 1 haul off. Also see COR 054 regarding Class 1 Haz material haul off for Phase 2. Cost to be reimbursed by "ES-8". Additional costs hazardous waste allowances.			
1252-0034 COR Unsubmitted	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.			
1252-0035 COR Unsubmitted	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."			
1252-0036 COR #035	09/19/12	Additional Road Base on Fourth Street	2					-0-	BIH's subcontractor Synergy Project Management (SPM) discovered what they believe to be an additional layer of road base under the existing asphalt and road base layer while performing roadway demo work along the west side of Fourth street between Harrison and Bryant St. The additional layer is estimated by BIH/SPM to be approximately 8" - 12" thick.			
1252-0037 COR Unsubmitted	09/19/12	DPW permitting potential impacts	7					TBD	DPW Permitting issue to cause potential impacts. DPW is not issuing BIH permits for excavating the MOS headwalls, jet grouting at the LB, and excavating support at the LB, as they claim to have not been able to conduct a thorough review of the project's design documents and were not included in the design process. BIH may be required to re-sequence and stand many other potential impacts w/o said permits.			

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1252-0038 COR #038	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 foundation within the excavation at approximate station 165+70. It was necessary to chip away a portion of the existing manhole to gain the necessary clearance to construct the west slurry wall.			
1252-0039 COR Unsubmitted	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 Diaphragm Wall Panel W-33. This trend is being tracked separately from Trend 20 because we believe it may be a different structure. BIH has not provided adequate information substantiating the merging of the two trends.			
1252-0040 COR #052, PCC #1	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.			
1252-0041 COR #060, PCC #2	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.			
1252-0042 COR #031	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.			
1252-0043 COR #032	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.			
1252-0044 COR #033	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 COR #034	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.			
1252-0046 COR #036	09/19/12	MOS - Catch Basin @ south headwall	3					-0	A catch basin on the NW corner of 4th and Folsom interfered with the construction of the MOS Headwalls. Removal of the catch basin was needed in order for the headwalls to be built. BIH claims the catch basin was not shown in the contract drawings. Closed due to improper notification.			
1252-0047 COR #037	09/19/12	UMS - 12" steel pipe removal	3					-0	A 12" steel pipe at the north UMS headwall location interfered with the demolition of other existing UMS utilities. BIH claims the steel pipe was not shown in the contract drawings. Closed due to improper notification.			
1252-0048 COR #039	09/19/12	MOS - 16" Steel Pipe removal @ northeast headwall	3					+3,500	SPM removed an unmarked 16" steel pipe from the excavation of the NE MOS Headwall. Construction of the MOS headwall could not commence without this utility being removed. BIH claims the 16" steel pipe was not shown in the contract drawings.			
1252-0049 COR #040	09/19/12	MOS - Extra Road Base @ northeast headwall	2					-0	BIH's subcontractor Synergy Project Management (SPM) discovered what they believe to be an additional layer of road base under the existing asphalt at the NE MOS headwall location. The road base in this location was approx. 20" thick on a patch that was roughly 25' x 25'.			
1252-0050 COR #041	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 COR Executed	10/25/12	Contract Amendment No. 2	1					(3,040,713)				

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Project Trend/Change Control Log

1/16/2013

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	
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1252-0052 COR #042	10/25/12	LB - Panel W25 Wood Pile	2					+116,785	While performing excavation for the slurry walls at the TBM Launch Box, BIH's subcontractor CJA-NCC unexpectedly encountered an obstruction within Launch Box Diaphragm Wall Panel W-25.			
1252-0053 COR #043	10/25/12	LB - Panel W30 Wood Pile	2					+47,185	While performing excavation for the slurry walls at the TBM Launch Box, BIH's subcontractor CJA-NCC unexpectedly encountered an obstruction within Launch Box Diaphragm Wall Panel W-30.			
1252-0054 COR #044	10/25/12	MOS - 16 steel pipe removed @ southeast headwall	3					+1,000	SPM removed an unmarked 16" steel pipe from the excavation of the NE MOS Headwall. Construction of the MOS headwall could not commence without this utility being removed. BIH claims the 16" steel pipe was not shown in the contract drawings.			
1252-0055 COR #045	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 COR #046	10/25/12	UMS - Unmarked steel pipes (6", 12", 14") / Duct Bank	6					+15,000	While performing excavation for the utility demolition at the south UMS headwall BIH/Synergy discovered a 6" dia. steel pipe, 16" dia. steel pipe, 18" dia. steel pipe, and a concrete duct bank. BIH claims the utilities were not shown in the contract drawings.			
1252-0057 COR #047	10/25/12	Ret Shaft - unmarked 10' steel piped/duct bank	6					+7,500	Synergy Project Management (SPM), discovered an abandoned duct bank and 10" steel pipe which traveled underneath Columbus Avenue between Powell and Union Streets. Removal of the duct bank was necessary to complete the construction of the 36" RCP sewer main relocation work in this area. The status of the removal of the steel pipe is uncertain and may have not been necessary for the sewer main relocation.			
1252-0058 COR #048	10/25/12	UMS- 3x5' brick sewer at south headwall	6					+15,000	Synergy Project Management (SPM), discovered a brick sewer within the utility demolition limits at the UMS South headwall. The sewer encountered was larger than the 12" pipe which was shown in the contract drawings. Removal and disposal of the sewer commenced on September 26th and was completed by September 28th. Removal of the sewer was necessary for headwall construction.			
1252-0059 COR #049	10/25/12	Ret Shaft - Tree trimming debris haul off	7					+1,500	Synergy Project Management (SPM), was requested by the SFMTA to remove and dispose of debris near the Northeast corner of Columbus Avenue and Union Street. The debris resulted from tree trimming activities performed by MUNI operations.			
1252-0060 COR #050	10/25/12	Ret Shaft 12" steel pipe removed at Union/ Columbus	6					+3,750	BIH/SFMTA to finalize labor rates			
1252-0061 COR #051	10/25/12	Ret Shaft - Elevation design conflict (30' low ppl water / sewer)	3					+26,000	SPM preparing COR form.			
1252-0062 COR #053	10/25/12	Chinatown - Night drilling for instrumentation	7					-0-	CLOSED			
1252-0063 COR #054	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 COR #055 PCC #04	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, 1/2-inch thick steel casing pipe. In addition, delete permanent sheet pile wall that was to have been placed along the west side of the trench to facilitate future maintenance access to the sewer along the shaft.			
1252-0065 COR #057	10/31/12	UMS - Tree Removal	1					+13,345	SFMTA is directing removal of a tree at the northeast corner of Stockton and O'Farrell St.			
1252-0066 COR #059 PCC #05	10/31/12	PCC No. 5 - Ret Shaft Water Dist. Pipe Material Change	1					(31,012)	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 COR #058	11/05/12	Ret Shaft - Additional 10" steel pipe removal	6					+650	Work is a continuation of work performed in COR 047.			

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1252-0068 COR #056 PCC #03	11/05/12	PCC No. 3 - General Detour Signage	1						BIH/SFMTA to finalize labor rates 10/03/12 - PCC presented to CMB. CMB directed the RE to get a price quote from DPT do the work as a price comparison. This item will be brought back to the CMB at a later date. 11/14/12 - PCC presented to CMB. The CMB did not agree that Central Subway needed to take the lead on implementing detour signage, but suggested that the RE study the traffic activity and at the end of November report findings.				
1252-0069 COR #064 PCC #06	11/05/12	PCC No. 6 - Supplemental instrumentation of BART tunnel lining.	1						Implement additional instrumentation of BART tunnel lining: (A) Existing bolt preload force – Determine the actual load in 12 bolts. (B) Bolt force sensor – Install 12 bolt force sensors at bolts for a total of 24 bolts. (C) Rail movement under dynamic train loading – Install dynamic strain gauges (2 per rail, 8 per tunnel). 10/31/12 - PCC presented to CMB for merit. CMB directed RE to proceed with obtaining a price quote from Contractor to perform the work.				
1252-0070 COR Unsubmitted	11/13/12	Full Closure of 4th Street	1						SFMTA allowed full closure of 4th Street in order to facilitate construction of Launch Box Slurry Wall Construction Week Ending 11/04/12 - 11/11/12.				
1252-0071 COR #061	11/13/12	LB - Panel P-17 Buried Obstruction	1					+5,000	CJA-NCC discovered an unmarked buried water main at Panel P-17, approximately 6' below the guidewall at CTL Station 165+52, while performing slurry diaphragm wall excavation.				
1252-0072 COR #062	11/16/12	LB – Panel P-9 Buried Obstruction	2					+150,000	CJA-NCC discovered a buried obstruction while excavating slurry diaphragm wall panel P-9 at the Launch Box location.				
1252-0073 COR #063	11/16/12	UMS - 48" Steel Pipe @ southwest headwall	2					+250,000	BIH/Synergy encountered a buried 48" Diameter steel pipe during work at the UMS S. Headwall. The pipe is located 6 feet from the south UMS headwall and 5 feet from the face of the curb.				
1252-0074 COR #065	12/12/12	LB – Panel P-12 Buried Obstruction	2					+150,000	CJA-NCC discovered a buried obstruction (water main) while excavating slurry diaphragm wall panel P-12 at the Launch Box location.				
1252-0075 COR #066	12/12/12	Retrieval Shaft - Unmarked 12" Steel Pipe	2					+6,500	While performing excavation for the joint trench at the retrieval shaft BIH's subcontractor Synergy Project Management (SPM) discovered an abandoned 12" dia. steel pipe which appears to be a Low Pressure Water Main.				
1252-0076 COR #067	12/12/12	LB - Panel P-10 Buried Obstruction	2					+18,000	CJA-NCC discovered a buried obstruction or concrete encased clay sewer pipe, approximately 7' below the top of the guide wall while excavating slurry diaphragm wall panel P-10 at the Launch Box location.				
1252-0077 COR #NA PCC#07	12/19/12	PCC No. 7 BART Temporary Annex Wall	1					+7,498	SFMTA is requesting Contractor construct temporary wall for Bart Annex for SFMTA use.				
Contract 1252 Totals									-0-	(531)			
CONSTRUCTION TRENDS (Based on #1250, #1251 & #1252 Trending Log and Cmods) - SUBTOTALS:									+7,662,870	(1,433,244)			
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	Redux of Station Emergency Ventilation Fans (CTS)	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	Redux of Station Emergency Ventilation Fans (MOS)	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	Lowering of CTS	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	UMS Structural Configuration	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	UMS Alternate Station Access/Vent Shaft @ Union Square	1	CMB-0010	Agree	12/29/10	(22,500,000)	(22,500,000)	Documentation to be filed.			
FD-006	08/03/10	084-0005	Station Headwalls - UMS	1	CMB-0008	Agree	08/18/10	-0-	-0-				
FD-006	08/03/10	086-0002	Station Headwalls - MOS	1	CMB-0008	Agree	08/18/10	-0-	-0-				
FD-007	08/03/10		Cross-passages	1	CMB-0018	Agree	09/15/10	-0-	-0-				
FD-008	07/30/10		Trolley Re-route @ Columbus & Powell	1	CMB-0017	Agree	09/15/10	-0-	+2,000,000				
FD-009	10/06/10	082-0003	ECP to Modify Sidewalk Vault Demolition and Construction Sequence to Facilitate Construction of Joint Utilities Trench and Future UMS Station	1	CMB-0019	Agree	12/15/10		+3,000,000				
FD-010	10/06/10	082-0004	Redesign Stockton Street Sanitary Sewer to conform to SFPUC Sewer Criteria that preclude placement of relocated sanitary sewer under sidewalks	1	CMB-0020	Agree	11/17/10		+2,000,000				
FD-011	10/06/10	082-0005	Reconfigure Routing of Water, Sewer and Gas laterals from buildings on north side of Ellis Street	1	CMB-0021	Agree	11/17/10		+500,000				
FD-012	10/06/10	082-0006	Recognize cost transfers from design allowances allocated to contingency to explicit line items in final design estimates	1	CMB-0022	Disagree	11/17/10		-0-				
FD-013	10/06/10	082-0007	Increase Extent of Sub-sidewalks Vault Secondary Closure Walls and Waterproofing	1	CMB-0023	Agree	11/17/10		+4,100,000				
FD-014	10/06/10	082-0008	Include OCS system for rerouting trolley buses to Fifth Street	1	CMB-0024	Agree	12/15/10		+3,100,000				
FD-015	10/06/10	082-0009	Subsidewalk Vault Secondary Closure Walls for Buildings at 800 Market and 838 Market	1	CMB-0025	Agree	11/17/10						
FD-016	10/06/10	085-0003	Underpinning of Mandarin Tower	1	CMB-0011	over taken by FD-021	01/19/11		+5,000,000	Additional Information Pending.			
FD-017	10/06/10	085-0004	CTS Ground Improvement	1	CMB-0012	over taken by FD-021	01/19/11		+10,300,000	Additional Information Pending.			
FD-018	10/06/10	084-0006	UMS Apple Store Entrance	1	CMB-0013	Disagree	11/10/10		-0-	Additional Information Pending.			
FD-019	10/06/10	086-0003	MOS TOD Configuration	1	CMB-0014	Agree	11/10/10		TBD				
FD-020	10/06/10	084-0007	UMS Emergency Stair #4 Relocation	1	CMB-0015	Agree	11/10/10		TBD				
FD-021	01/14/11	085-0005	CTS Lowering and Stations Reconfiguration	1	CMB-0027	Agree	01/19/11	(18,000,000.00)	(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	Sewer Replacement along Geary & O'Farrell	1	CMB-0029	Agree	02/23/11		(134,000)	This trend has both an EPC number as well as a Construction Trend Number. See also Construction Trend No. 1251-0003			
FD-023	11/17/10	087-0001	Emergency walkways through crossover cavern changed from outside the main tracks to between the main tracks.	1	CMB-0032	Agree	07/27/11						
FD-024	11/17/10	087-0002	Diamond crossover on surface segment to a tandem (universal) crossover.	1	CMB-0033	Agree	08/24/11		(350,000)				
FD-025	04/13/11	083-0001	Bid Option for TBM Retrieval Shaft		CMB-0034	Agree	04/13/11		(10,000,000)	Will require changes to Bid Schedule to incorporate Traffic, Utilities and Pavement Demo/Restoration as incidental costs to the Bid Option. Estimated DP1 cost impact is approx. 80-100 hrs. of engineering time.			
FD-026	05/31/11	084,085,086	Air Replenishment System for Stations	1	CMB-0040	Agree	07/13/11		+1,245,000	Install air replenishment system at MOS, CTS and UMS to address the requirements of the SFFD Bulletin 5.07. The air replenishment system will be used to fill firefighter's self-contained breathing apparatus during firefighting operations in the three subway stations.			
FD-027	07/21/11	082-0010	1 Stockton street (Apple Store) Secondary Closure Wall		CMB-0043	Agree	08/03/11		+500,000	1) Add secondary closure wall to supplement recently completed primary closure wall built by owner to isolate the sub-sidewalk basement of 1 Stockton Street (Apple Store). 2) Modify position of joint trench (and all associated conduits, ducts etc.) for secondary closure wall to be constructed.			

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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			
FD-038	11/07/12		Elongated Sidewalk Bulb-out at Chinatown Station							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		

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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			
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: \$1,010,000 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	

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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 \$971,886 to include Trend 1553-0014.	BT-0203		
X80-012		151-0002 OCS materials procured directly for work in reference to CN1251 CMOD#12.		CMB-0065	Agree	1/25/2012, 2/29/12		+126,149	See also Trend 1251-0023			
X80-013	05/30/12	073-0003 DP3: Provide Vibration Impact Analysis and Extend PC Support Technical and CSP Quality Manager	1					+133,906	Amend #2: Vibration Impact Analysis \$38,380 Amend #3: PC Support Tech \$34,483; Quality Manager - \$61,043	TBD		
X80-014	12/17/12		1						For combining the stations and track and systems into Contract 1300 (SSTS)			
X80-015	12/17/12		1						Changing the Bid Opening date and condensing the Contract Duration for Contract 1300			
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								+61,691,289	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.			
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		

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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		
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	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		

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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.			
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		

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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.			

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