

DOCUMENT 00090
ADDENDUM TO MASTER BID DOCUMENT (MBD)

This Document 00090 is updated as needed. Make sure you have a current version from VSFCO. The following shall act to modify the Contract, and the work shall be accomplished in accordance with such modifications:

- A. General Addendum Items** applicable to all contracts that refer to the Master Bid Document (MBD). For addenda items that refer specifically to the project in question refer below to Article B.

Document 00200 INSTRUCTIONS TO BIDDERS (ITB)

Article 2 COPIES OF BIDDING DOCUMENTS: At the end of this document add the following:

2.04 If any of the sections, or documents, in the Master Bid Document, including the Instructions to Bidders, are also addressed in the Project Specific Supplement, the wording of the document in the Project Specific Supplement shall supersede the wording of the document in the Master Bid Document.

Document 00200 INSTRUCTIONS TO BIDDERS

In Paragraph 9.01 CONTRACT TIMES, the last sentence is written twice and only needs to be written once.

In Paragraph 12.01 the term "California Government Contract Code" is revised to read, "California Public Contract Code."

Paragraph 16.04 is deleted and replaced with the following:

"16.04 In the event Bidder alleges that a clerical error has been made in the list of subcontractors, the procedures for substitution provided in Section 4107.5 of the California Public Contract Code shall be followed."

Document 00800 SUPPLEMENTARY CONDITIONS

Article 5 BONDS AND INSURANCE

Subsections SC-5.02 LICENSED SURETIES AND INSURERS through SC-5.06 PROPERTY INSURANCE is deleted from the Supplementary Conditions and replaced with the following:

SC-5.02 Licensed Sureties and Insurers: Add the following paragraph after 5.02A:

B. Insurance Rating shall be in accordance with the Minimum Insurance Requirements as described in Document 00450 INSURANCE AND INDEMNIFICATION REQUIREMENTS FOR CONTRACTORS.

SC-5.03 Certificates of Insurance: Add the following paragraph immediately after Paragraph 5.03.A:

B. CONTRACTOR shall furnish the OWNER with certificates in accordance with the minimum insurance requirements as described in Document 00450, INSURANCE AND INDEMNITY REQUIREMENTS FOR ENGINEERING CONSTRUCTION PROJECTS.

DOCUMENT 00090
ADDENDUM TO MASTER BID DOCUMENT (MBD)

SC-5.06 Property Insurance: Delete paragraph 5.06 in its entirety and insert the following in lieu therefore:

5.06 INSURANCE REQUIREMENTS FOR CONTRACTORS

CONTRACTOR shall procure and maintain insurance in accordance with the minimum insurance requirements as described in Document 00450, INSURANCE AND INDEMNITY REQUIREMENTS FOR ENGINEERING CONSTRUCTION PROJECTS.

SC-6.16 Emergencies: At the end of this section, after paragraph A, add the following:

1. The above conditions shall also apply to emergencies, not necessarily related to the Project, that require District response. In such cases the Engineer may approach the Contractor to make his (the Contractor's) resources available for use in response to the emergency.

SC-12.01 Change of Contract Price: Subsections 12.01-C-2-a and 12.01-C-2-b are modified to read as follows:

- a. For costs incurred under paragraph 11.01.A.1 (payroll costs), the CONTRACTOR is allowed to apply a labor surcharge of 15% in accordance with the Caltrans Labor Surcharge and Equipment Rental Rates Manual to compensate the CONTRACTOR for payroll taxes and insurance and to arrive at a total cost of labor. To his total cost of labor the CONTRACTOR is allowed to apply a mark-up of 33% to compensate the CONTRACTOR for overhead and profit.

For costs incurred under paragraphs 11.01.A.2 (materials and equipment) the CONTRACTOR'S fee shall be 15%.

- b. For costs incurred under paragraphs 11.01.A.3 (subcontractors/specialists) the CONTRACTOR'S fee shall be 15%.

SC-13.07.D Correction Period is revised to read as follows:

"SC-13.07.D Correction Period: At the end of paragraph D, add the following sentence; "The CONTRACTOR'S obligation to repair or replace defective work is not limited by the amount of any guarantee bond(s) required for the CONTRACT. For guarantee bonds required refer to Document 00618 GUARANTY BOND and Document 00520-9.01-A AGREEMENT FORM, CONTRACT DOCUMENTS."

Document 01030 SPECIAL PROJECT CONSTRAINTS

Subsection 1.02-A PERMITS is deleted and replaced with the following:

- A. The Contractor is required to procure, in his name, all required encroachment and construction permits from governing agencies having jurisdiction over the project area. VSFCD will pay all fees required under these permits.

Subsection 1.02-C is deleted and replaced with the following:

DOCUMENT 00090
ADDENDUM TO MASTER BID DOCUMENT (MBD)

C. The Agency with jurisdiction over the street right-of-way (City of Vallejo Public Works, or County of Solano Road Department) requires the Contractor to obtain a street excavation permit. The Agency inspector will be on site each day that public streets or right-of-ways are affected by the project. This includes inspection of detours onto public streets and all other work that affects Agency property or right-of-ways.

Document 02220 TRENCH EXCAVATION AND BACKFILL

Subsection 1.03-B QUALITY ASSURANCE, CODES AND STANDARDS, after subsection B-2 add the following:

3. All work in the City of Vallejo right-of-way shall be performed consistent with the City of Vallejo Regulations and Standard Specifications for Public Improvements. For work to be within the City of Vallejo streets or right-of-way, an excavation permit is required. For responsibility to acquire and to pay permit and inspection fees refer to Section 1030-1.02 SPECIAL PROJECT CONSTRAINTS, PERMITS (including addended language in Document 00090, above).

Subsection 2.03 PIPE BEDDING AND BACKFILL is renamed to 2.03 BEDDING AND BACKFILL FOR VSFCF FACILITIES, INCLUDING PIPE AND STRUCTURES (CB, MH, etc.).

Section 2.03-A, TYPE II MATERIAL, is deleted and replaced with the following:

A. Type II Material. Unless otherwise allowed, or specified by VSFCF, Type II material shall be used for bedding and backfill of storm drain and sanitary sewer facilities. Type II material shall meet all of the quality requirements of Section 26-1.02 B for Class 2 aggregate base of the State Specifications.

Section 3.08 PIPE BEDDING is renamed to 3.08 BEDDING

Section 3.09 TRENCH BACKFILL is renamed to 3.09 EXCAVATION BACKFILL

Section 3.09-A EXCAVATION BACKFILL is revised to read as follows:

A. Backfill consists of all material placed in, or returned to the trench or excavation from the bottom of the pipe, manhole or other structure to the ground surface or the roadway base. Material for Initial and subsequent backfill shall conform to the requirements described herein under PART 2 Products.

Section 3.09-B EXCAVATION BACKFILL, the first sentence is revised to read as follows:

B. Initial backfill shall be that backfill placed on the bedding material, around the pipe or structure to a depth of 5-inches (+/- 1-inch) over the top of the pipe or 12-inches over the bedding of the manhole or structure, and shall be compacted to 90 percent.

Section 3.09-C EXCAVATION BACKFILL is revised to read as follows:

C All backfill placed above the initial backfill is subsequent backfill.

Document 02632 SANITARY SEWER PIPING

DOCUMENT 00090
ADDENDUM TO MASTER BID DOCUMENT (MBD)

Subsection 2.1-D SANITARY SEWER, FLEXIBLE COUPLING: This sub-section (D) is removed and replaced with the following:

D. Flexible Coupler:

1. Construction: Shielded rubber coupling sleeve with stainless steel bands on both sides of the joint forming a compression seal meeting the requirements of ASTM C425.
 - a. The internal profile of the coupling sleeve shall include raised sealing fins (2 each minimum at each end of the sleeve) that will deform under the compressive force of the bands to form a water tight seal against the outside diameter of the pipe at both ends of the sleeve.
 - b. Couplings on all sewer mains and laterals shall be shielded and reinforced with a stainless steel shear jacket (external collar) placed outside of the rubber coupling, spanning the joint. Tightening hardware on the shear jacket, but not the steel band, may be partially threaded, "hose clamp" style for closing, tightening and holding the shear jacket in place.
 - c. Each stainless steel band, which forms the compression seal and holds the rubber coupling against the pipe, shall be closed and tightened using a stainless steel bolt and matching nut. Each nut and bolt set shall provide for a full circle (360-degree) of threaded contact around the bolt shaft for closing, tightening and holding each stainless steel band in place. The contractor is not allowed to use steel bands with integral threads, overlapping, "hose-clamp" style tightening bands or fasteners that have less than full-circle thread contact.
2. Manufacturers and Products:
 - a. Band-Seal ® as manufactured by Mission Rubber Company
 - b. approved equal.
3. For point repairs on pipe that is to be subsequently replaced by pipe bursting, the Contractor may use any suitable method of temporary, break away coupling that will allow for pipe bursting.

Subsection 2.2-B-2 SERVICE CONNECTIONS: at the end of this subsection add the following:

- d. For connection to existing HDPE pipe, the contractor may core through an HDPE saddle that is fused onto the main pipe. Fusing shall be a continuous, watertight seal around the perimeter of the connecting saddle and shall be in accordance with the recommendations of the manufacturer. The saddle shall be SDR 17 or stronger, and shall connect to the lateral pipe such that the flow invert of the saddle shall not present a ridge that protrudes above the flow invert of the lateral after the lateral connection is completely assembled.

Subsection 3.13 PIPELINE TESTING: At the end of the section add the following:

DOCUMENT 00090
ADDENDUM TO MASTER BID DOCUMENT (MBD)

B. For any project (public contract, large development, etc.) that is covered by warranty and/or maintenance bond(s) for a period of time after acceptance, the developer and/or contractor shall be responsible to satisfactorily perform again, and pass, the pipeline tests prior to the end of the bond period and as a condition for release of the bond(s). Re-testing, that is required as a condition for release of the bonds, shall include the following:

1. CCTV inspection of all mains.
2. Mandrel test for at least 15% of the main footage. Main footage for testing to be selected by VSFCO after review of CCTV inspection.

Document 02726 MANHOLE CONSTRUCTION

Subsection 2.4-D Watertight Covers, is deleted in lieu of the following:

D. Where called for in the Contract Documents, Watertight Pressure 24-inch Manhole Frames and Covers shall be ductile iron per ISO 1083, designed to withstand an H-20 traffic loading and a pressure of 14-psi without leaking. Pressure Cover shall close onto a flexible seating gasket and shall be PAMTIGHT as distributed by Certainteed/Saint Goban, or approved equal. If integrally cast letters "VSFCO" are not available, refer to section 02726-2.5-C below for badge label marking.

Subsection 2.5 Hinged Standard Manhole Frame and Cover, at the end of subsection 2.5C add the following sentence:

"Badge disk shall be Envir-O-Mark as manufactured by Almetek or approved equal."

Subsection 2.5 Hinged Standard Manhole Frame and Cover, after subsection 2.5C add the following:

D. For Hinged Standard Manhole Frame and Cover with 36-inch opening, a factory installed gas strut for opening assist is required for manhole frames and covers to be used on storm drain systems. The gas assist strut is not allowed for 36-inch hinged covers to be used on sanitary sewers.

Subsection 2.8 CONNECTING SLEEVE MANHOLE BASE is removed and replaced with the following:

2.8 PIPE TO STRUCTURE CONNECTING GASKET/SLEEVE

A. Manufacturers:

1. "Kwik-Seal" as manufactured by Press-Seal Gasket Corporation (press-seal.com).
2. Approved Equal.

B. Gasket shall be polyisoprene or natural rubber meeting the requirements of ASTM c-923 and c-1478. Gaskets shall be either:

1. Factory installed at the time of manufacture of the pre-cast section so that they are integral to the pipe opening, or

DOCUMENT 00090
ADDENDUM TO MASTER BID DOCUMENT (MBD)

2. Placed around the installed pipe in the field and grouted into place within a cast, or core-drilled, opening in the structure.

C. For gaskets that are field installed, refer to sub-section 3.3-A-2-d PRECAST MH...PIPE CONNECTION TO BASE for requirements for requirements to grout around the connecting sleeve.

Subsection 3.3-A-2-d is removed and replaced with the following:

- d. If pipe to MH base connecting sleeve is field installed per subsection 2.8-B-2, the Contractor shall use waterproof, non-shrink grout to fill the space between the outside of the pipe and/or connecting gasket and the interior diameter of the cast or core-drilled pipe opening in the structure wall.

Document 02745 SANITARY SEWER PIPE BURSTING

Subsection 3.05-E PREPARATION, paragraph E is revised to read as follows:

E. The Contractor shall clean and CCTV inspect (TVI) the existing sewer (main or lateral) that is to be rehabilitated by pipe bursting. Cleaning and TVI will be performed to determine the condition of the pipe (i.e. possible sags in the main), the number and location of connections to the pipe, etc.. The District shall witness the TVI, or review the videotape, before the Contractor begins with pipe bursting operations.

Document 02750 ACCEPTANCE TESTING

Subsection 3.02 INFILTRATION / EXFILTRATION TESTS, at the end of this section add the following:

D. General Requirements for Hydrostatic Pressure Testing of Sanitary Sewer Force Main. Prior to the acceptance by the District of sanitary sewer force main, the force main shall satisfactorily pass a hydrostatic pressure test for leakage as described herein.

1. Unless the contractor has made suitable provisions, subject to review by VSFCO, for holding hydrostatic pressure during testing, the testing of SSFM must be conducted prior to performing the tie-ins and connections of the ends of SSFM.
2. These provisions are of a general nature only. The testing of SSFM is to be evaluated on a case by case basis. At least two weeks before testing submit calculations for the test and the testing procedure (pressures, times, volumes, etc.) to THE inspector for review and comment.
3. Calculate the total static head at the low end of the pipe when the pipe is full of water. The test pressure at the low end of the pipe shall be at least double (2x) this amount. The minimum test pressure on any section of pipe (ie. at the high end of the pipe) shall be no less than 80 psi.
4. Effectively close both ends of the pipe to be tested. Install gauges at both (upper and lower) ends of the SSFM. Gauges shall be

DOCUMENT 00090
ADDENDUM TO MASTER BID DOCUMENT (MBD)

graduated to the nearest 1 psi and shall be visible to be read by the inspector from above ground, the outside of the excavation.

5. The force main shall be required to stand under the hydrostatic test pressure for a minimum test period of four hours.
7. At the end of the test period, the contractor is to determine the amount of leakage by measuring the quantity of water required to refill and re-pressurize the test section.
8. The test section will be considered defective when the amount of leakage in gallons per hour (GPH) is more than that specified by the formula:

Max Leakage GPH =

$S \times (\text{pipe length in feet}) \times (\text{pipe diameter in inches}) / 133,200$

Where S equals the square root of the test pressure in psi. For example, if 2,000 LF of 12-inch diameter pipe is tested at 100 psi, the maximum allowable leakage would be 1.8 gallons per hour.

Document 02775 PROPERTY RESTORATION

Subsection 3.01-E is revised to read as follows:

- D. Once the yard restoration is completed on a lot, the Contractor shall obtain the required signatures on the "Resident's Yard Restoration Review Form" shown as Detail No. 32 of Appendix 1 STANDARD DRAWINGS AND FORMS. The signed forms will be submitted to the Engineer as a condition of payment.

Document 02952 CLOSED CIRCUIT TELEVISION (CCTV) INSPECTION

Subsection 3.2-A, The first sentence is revised to read as follows:

- A. Unless otherwise allowed in the contract documents all storm drains, sewer mains, and sewer laterals will be subject to CCTV inspection performed by the Contractor prior to acceptance. Refer to section 2750-3.03 ACCEPTANCE TESTS, T.V. INSPECTION.

Document 02964 MANHOLE REHABILITATION

In subsection 2.9 HYDROGEN SULFIDE PROTECTION MATERIALS, subsection A is deleted and replaced with the following:

- A. Hydrogen sulfide protection material shall be placed over Leak Stop and Patch Material described above and shall be placed over concrete liner (refer to 2.8 above) as applicable.

APPENDIX 1 – STANDARD DRAWINGS AND FORMS

Page 2 of the Table of Contents was omitted from one of the issues of the Master Bid Documents. For the benefit of those who are holding these particular books, the information from page 2 of the Table of Contents is provided below:

DOCUMENT 00090
ADDENDUM TO MASTER BID DOCUMENT (MBD)

- Dwg No. 20 Filter Trench
- Dwg No. 21 Grease Interceptor
- Dwg No. 22 Grease Trap, Sand & Oil/Water Separator
- Dwg No. 23 Main Manhole Base Detail for Lines Terminating in a Cul-De-Sac
- Dwg No. 24 – Metal Sanitary Sewer and Storm Drain Manhole Marker
- Dwg No. 25 District Maintenance Road
- Dwg No. 26 Concrete Downdrain
- Dwg No. 27 VSFCD Project Sign
- Dwg No. 28 Pipe Crossing Cradle
- Dwg No. 29 Type II Manhole Base
- Dwg No. 30 SSFM Tracer Wire and Terminal Box
- Dwg No. 31 Criteria for Separation of Water Main and Sanitary Sewers
- Dwg No. 32 Yard Restoration Review Form
- Right of Entry Agreement
- CCTV Report Log Form
- CCTV Report Log Codes
- Grease Interceptor Capacity Calculation Formula

Detail Drawing No. 12, Standard Manhole 36-inch Frame and Cover, at the bottom of the General Notes add the following note:

6. HINGED MH FRAMES AND COVERS, PAMREX OR REXUS, AS DISTRIBUTED BY CERTAINTEED/SAINT GOBAN ARE AN APPROVED ALTERNATE FOR STANDARD MH FRAME AND COVER. REFER TO STANDARD SPEC SECTION 02726-2.4 AND 2.5.

Detail Drawings No. 16 and 17 are removed and replaced with updated Detail Drawings No. 16 and 17 UPPER LATERAL CLEANOUT DETAIL UPPER and LOWER LATERAL CLEANOUT DETAIL respectively dated August 2007 or later date.

Detail Drawing No. 17, Lower Lateral/Cleanout Detail, at the bottom of the page Construction Note No. 6 is removed and replaced with the following note:

6. WHEREVER THE CONTRACTOR USES A STAINLESS STEEL BANDED NEOPRENE RUBBER SLEEVE TO JOIN TWO PIECES OF MAIN OR LATERAL PIPE, THE SLEEVE SHALL BE REINFORCED WITH A STAINLESS STEEL SHEAR COLLAR TIGHTENED AGAINST THE OUTSIDE OF THE RUBBER COUPLING. See spec section 02632

APPENDIX 2 – ENGINEERING DESIGN STANDARDS AND POLICIES

The following are changes to the Design Standards and Policies

Section 2-03 RIGHT-OF-WAY AND/OR EASEMENT POLICY; this section is revised to read as follows:

2-03 RIGHT-OF-WAY AND/OR EASEMENT POLICY

General Policy: All public sanitary sewers and storm drains must be located in public streets, public utility easements, or in easements dedicated to and accepted by the District. It is the District's policy to discourage the location of facilities outside of street right-of-way. No permanent structures shall be located within or extend over a public

DOCUMENT 00090
ADDENDUM TO MASTER BID DOCUMENT (MBD)

easement unless approved by the District Engineer. It is the District's policy to discourage private facilities serving more than one lot. In any event, all District facilities shall be accessible to District maintenance vehicles via a paved all-weather surface. Refer also to Section 4 EASEMENTS AND PERMITS.

Approval of easements: Requests for dedication of District easements, or abandonment of existing District easements, shall be made to the District Manager, who shall approve or disapprove the request based upon present and future District needs.

Access to facilities: Refer to Section 5-07 DISTRICT MAINTENANCE ROADS for minimum standards for access to facilities. Where the ground surface, at or over District facilities, is asphalt concrete, then the easement documents may include provisions for surface restoration by the District in the event that the surface is disturbed during District activities such as maintenance or construction. Where the ground surface within an easement, at or over any District facility, is not asphalt concrete pavement, then the easement documents shall include provisions for restoration of the ground surface by the property owner in the event that the ground surface is disturbed by District activities.

Access to structures: Each District maintenance structure (manhole or inlet) shall be accessible to District maintenance vehicles via continuous all-weather, paved surface from the public right-of-way to the structure. Refer to Section 5-07 DISTRICT MAINTENANCE ROADS for minimum standards for access to structures.

Service Laterals in Easements: Where service laterals connect to a public main, and the public main is within an easement or private street, then the District may require that the laterals connecting to the main be privately owned and maintained with no District cleanout and no lower lateral.

Section 5-02 STORM DRAIN DESIGN STANDARDS

Subsection C, MANHOLES, INLETS; Paragraph (6) is revised to read as follows:

“(6) Inlets shall be placed so that, during a 15-year storm event, gutter flow shall not extend more than 6-feet from the face of curb, and travel lanes shall be maintained no less than 10' wide without being inundated by flooding.”

Subsection E, STORM DRAIN ALIGNMENT, LOCATION AND COVER, under subsection E-7, sentence number 1 is revised to read as follows:

“(7) Storm drain lines shall be located as noted above and shall be designed to clear all other existing and proposed utilities by a horizontal distance of three feet and a vertical distance of one foot. Under extenuating...”

Section 5-02 STORM DRAIN DESIGN STANDARD, subsection F-3, in the right hand column titled STORM DURATION, the entries shall read:

“Time of Concentration, $t_c=5$ minutes,”

Section 5-03-D SANITARY SEWER DESIGN STANDARDS, ALIGNMENT, LOCATION AND COVER in subsection D-5, sentence number 1 is revised to read as follows:

DOCUMENT 00090
ADDENDUM TO MASTER BID DOCUMENT (MBD)

“Sanitary sewer lines shall be located as noted above and shall be designed to clear all other existing and proposed utilities by a horizontal distance of three feet and a vertical distance of one foot. Under extenuating...”

Section 5-03 SANITARY SEWER DESIGN STANDARDS, in subsection E-(4) GENERAL...DESIGN, the following clarification is made:

e = Natural log = 2.7813

Section 5-07 DISTRICT MAINTENANCE ROADS is revised to read as follows:

“All District facilities shall be provided with paved all-weather maintenance access. The minimum standard for maintenance access roads is shown in District standard drawing No. 25. If the access road is not a paved, publicly maintained right-of-way, then the road shall be sloped for proper drainage, shall be constructed per plans approved by the District, and shall meet the requirements for access roads in easements as described in Section 2-03 RIGHT-OF-WAY AND/OR EASEMENT POLICY.”

B. Project Specific Addendum Items applicable to this contract for construction [Project Name]: Not Applicable

END OF DOCUMENT