



COUNTY OF ALAMEDA

ADDENDUM No. 3

to

Project No. 14030

for

Santa Rita Jail ADA Phase 0 Ramp

January 27, 2017

Clarifications/Modifications to the Contract Documents, Specifications & Drawings.

BID RESPONSE DUE DATE IS FEBRUARY 10, 2017, NO LATER THAN 2:00PM

This County of Alameda, General Services Agency (GSA) Addendum has been electronically issued to potential bidders via e-mail. E-mail addresses used are those in the County's Small Local Emerging Business (SLEB) Vendor Database or from other sources. If you have registered or are certified as a SLEB, please ensure that the complete and accurate e-mail address is noted and kept updated in the SLEB Vendor Database. This RFP/Q Addendum will also be posted on the GSA Contracting Opportunities website located at http://www.acgov.org/gsa/purchasing/bid_content/ContractOpportunities.jsp.



Alameda County is committed to reducing environmental impacts across our entire supply chain. If printing this document, please print only what you need, print double-sided, and use recycled-content paper.



This Addendum forms a part of the Contract Documents and modifies the original Bidding Documents as noted below. Acknowledgement for Bidder's receipt and review of this addendum is in a space provided on Document 00 41 13 Bid Form.

This Addendum No. 3, dated January 27, 2017, includes the following:

1. Pre-Qualified Bidders

Correction to contact information on the Pre-Qualified General Contractors list issued in Addendum 2. See corrected list attached to this Addendum 3.

2. Contract Documents-Division 0 Procurement and Contracting Requirements

The following specification sections dated 1/27/2017 replace or supersede the prior corresponding specification sections:

- A. Section 00 01 09 Summary Bidding Calendar (revised)
- B. Section 00 01 10 Table of Contents (revised)
- C. Section 00 11 16 Notice to Bidders (revised)

3. Contract Documents-Division 01 General Requirements

The following specifications dated 1/27/2017 replace, supersede, have been added to, or deleted from, the Project Specifications:

- A. Section 01 35 13.23 LEED Requirements (deleted from the project).
- B. Section 01 35 13.26 Construction Waste Management (added to the project).
- C. Section 01 65 00 Delivery, Storage, Handling (added to the project).
- D. Section 01 71 23 Field Engineering (added to the project).
- E. Section 01 73 29 Cutting and Patching (added to the project).
- F. Section 01 76 00 Protecting Installed Construction (added to the project).
- G. Section 01 77 00 Contract Close-Out (added to the project).
- H. Section 01 78 36 Warranties (added to the project).
- I. Section 01 78 39 Project Record Documents (added to the project).
- J. Section 01 91 13 General Commissioning Requirements (deleted from project).

4. Questions/Responses

Below are questions submitted to the County. Responses to these questions are included in this Addendum 3, as follows:

- Q1. Reference is made to Alternate #1 as described on drawings T1. Please confirm that the Base Bid is to include the exposed aggregate finish as shown on A1.3 and the Alternate is to change this finish to the medium broom finish.

A1. Confirmed.

- Q2. Please confirm for the project the basis of award.

A2. Award of contract will be to the lowest responsive and responsible bidder based on the Base Bid amount only, as per Document 00 11 16 Notice to Bidders and as per Document 00 21 21 13 Instructions to Bidders, Items 23, 27, 28, and 29.



PROJECT # 14030
Santa Rita Jail ADA Upgrades Phase 0 RAMP
Addendum 3

PRE-QUALIFIED CONTRACTORS FOR THIS PROJECT ARE THE FOLLOWING:

Blank fields below indicate no information provided

Company Name	Contact	Phone	E-mail	SLEB	Certif.	Local	MBE	WBE	MWBE	Prime	Sub-Cont	Type
B Bros Construction 2988 Teagarden St San Leandro, CA 94577	Izet Pandzic	510-351-3048	bids@bbros.com bids@bbroscon.com	Y	Y	Y	N	N	N	Y	N	GC
W.A Thomas Co., Inc. 2356 Pacheco Blvd. Martinez, CA 94553	James Smith	925-228-9600	jim@wathomas.net	N	N	N	N	N	N	Y	N	

DOCUMENT 00 01 09
SUMMARY BIDDING CALENDAR

NOTICE – THIS SUMMARY IS FOR INFORMATIONAL PURPOSES ONLY. The dates and times listed may not be relied upon or enforced. This summary does not form a part of the contract documents and does not establish contractual obligations.

NOTICE – THIS IS A SUMMARY ONLY AND DOES NOT LIST ALL DATES, TIMES OR TIME PERIODS CONTAINED IN THE BIDDING AND CONTRACT DOCUMENTS. All bidders and contractors must refer to the actual documents for all applicable dates, times and time periods.

<u>Event</u>	<u>Date</u>	<u>Reference</u>
Contract Documents Available	December 21, 2016	00 11 16 Notice to Bidders
Mandatory Pre-Bid Conference & Mandatory Site Visit	January 4, 2017 10:00AM Location: 5325 Broder Blvd., Dublin, CA 94568 Meet at Main Entrance Ramp	00 11 16 Notice to Bidders
Non-Mandatory Networking Meeting & Non-Mandatory Site Visit.	January 5, 2017 2:00PM Location: 5325 Broder Blvd., Dublin, CA 94568 Meet at Main Entrance Ramp	00 11 16 Notice to Bidders
Addendum #1 Issue Date (Issue List of Attendees at the Mandatory Pre-Bid Conference)	January 6, 2017	00 21 13 Instructions to Bidders
Last Day for GSA to receive any Final Bidder Questions	January 6, 2017 2:00PM	00 21 13 Instructions to Bidders

Alameda County General Services Agency

Phase 0 - RAMP

Santa Rita Jail – ADA Upgrades

PROJECT NO. CPP17C140300000

Last Day for Receipt of Requests for Substitutions before Receipt of Bids	January 6, 2017 2:00PM	00 21 13 Instructions to Bidders
Addendum #3 Issue Date (Issue Responses to Bidder Questions)	January 27, 2017	00 21 13 Instructions to Bidders
Receipt of Bids and Bid Opening	February 10, 2017, 2:00PM	00 11 16 Notice to Bidders
Last Day for two lowest Bidders to submit outstanding Bid Documents and ECOP Documentation	February 15, 2017, 2:00PM (2 business days following the Bid Opening Date)	00 22 19 Supplementary Instructions to Bidders -Construction Outreach Program
Bid Evaluation Period	February 16, 2017 to February 24, 2017	00 21 13 Instructions to Bidders
Notice of Intent to Award	February 24, 2017	00 51 13 Notice of Intent to Award
Last Day to Submit Bid Protest	March 3, 2017, 2:00PM (5 th Business Day from Date of Notice of Intent to Award)	00 21 13 Instructions to Bidders
Estimated Board Award of Contract	March 21, 2017	00 51 00 Notice of Award
Notice of Award	March 21, 2017	00 51 00 Notice of Award
Last Day to Sign & Submit Contract	March 28, 2017 (7 Calendar days after Notice of Award)	00 11 16 Notice to Bidders 00 51 00 Notice of Award
Last Day to Submit Post-Award Documents	March 28, 2017 (7 Calendar days after Notice of Award)	00 21 13 Instructions to Bidders
Last Day to Submit Escrow Bid Documentation	March 28, 2017 (7 Calendar days after Notice of Award)	00 56 00 Escrow Bid Documentation

Issue Notice to Proceed	April 4, 2017	00 55 00 Notice to Proceed
Contract Duration	112 Calendar Days	00 52 13 Agreement Form – Stipulated Sum (Single Prime Contract)
Last Day Contract Duration Begins	March 21, 2017	00 55 00 Notice to Proceed
Last Day Contract Duration Ends	July 11, 2017	00 55 00 Notice to Proceed
Last Day to Submit Construction Schedule, etc. per Notice to Proceed	April 18, 2:00PM (10 th Business Day following Notice to Proceed)	00 55 00 Notice to Proceed
Construction Start Date	April 5, 2017	00 55 00 Notice to Proceed
Construction Completion Date	July 11, 2017	00 55 00 Notice to Proceed

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DOCUMENT 00 11 16

NOTICE TO BIDDERS

1. Notice is hereby given that The County of Alameda General Services Agency (“GSA”) Purchasing Department (“County” or “Owner”) will receive sealed bids for the following project:

#14030 Santa Rita Jail ADA Phase 0 RAMP

2. Sealed Bids will be received until **2:00 p.m., February 10, 2017**, at 1401 Lakeside Drive, 9th Floor, Oakland, California 94612, at or after which time the bids will be opened and publicly read aloud. Any claim by a bidder of error in its bid must be made in compliance with section 5100 et seq. of the Public Contract Code. Any bid that is submitted after this time shall be non-responsive and returned to the bidder.

3. The Project consists of:

SWPPP Plan, Demolition of existing ramp and handrail, and Construction of a new ramp, handrail, repair/replace damaged landscape/drainage due to construction.

The budgetary estimate for the scope of work is \$650,000.

The time to complete this project is One Hundred Twelve (112) calendar days.

4. All bids shall be on the Bid Form Document 00 41 13 provided by the County. Each bid must conform to and be responsive to all pertinent Contract Documents, including, but not limited to, the Instructions to Bidders Document 00 21 13 and the Supplementary Instructions to Bidders - Construction Outreach Program Document 00 22 19.
5. Bidders are strongly encouraged to review the Supplementary Instructions to Bidders – Enhanced Construction Outreach Program Document (ECOP) 00 22 19 and to begin their outreach efforts prior to the initial mandatory project job walk. The list of bidders solicited for this project include but are not limited to all those construction contractors listed in the GSA Small, Local & Emerging Program Vendor Query database located at http://www.acgov.org/sleb_query_app/gsa/sleb/query/slebmenu.jsp.
6. To bid on this Project, the Bidder is required to possess one or more of the following State of California Contractor Licenses:

General – B (Building Contractor)

The Bidder's license(s) must remain active and in good standing throughout the term of the Contract.

7. A bid bond by an admitted surety insurer on the form provided by the County, cash, or a cashier's check or a certified check, drawn to the order of the County of Alameda, in the amount of ten percent (10%) of the total bid price, shall accompany the Bid Form, as a guarantee that the Bidder will, within seven (7) calendar days after the date of the Notice of Award, enter into a contract with the County for the performance of the services as stipulated in the bid.
8. The successful Bidder shall be required to furnish a 100 % Performance Bond and a 100% Payment Bond if it is awarded the contract for the Work.
9. The successful Bidder may substitute securities for any monies withheld by the County to ensure performance under the Contract, in accordance with the provisions of section 22300 of the Public Contract Code.
10. The Contractor and all Subcontractors under the Contractor shall pay all workers on all work performed pursuant to this Contract not less than the general prevailing rate of per diem wages and the general prevailing rate for holiday and overtime work as determined by the Director of the Department of Industrial Relations, State of California, for the type of work performed and the locality in which the work is to be performed within the boundaries of the County, pursuant to sections 1770 et seq. of the California Labor Code. Prevailing wage rates are also available from the County or on the Internet at: <http://www.dir.ca.gov>.
11. This project is subject to compliance monitoring and enforcement by the Department of Industrial Relations. The following requirements apply to this bid and contract:
 - A. No contractor or subcontractor may be listed on a bid proposal for a public works project (submitted on or after March 1, 2015) unless registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5 [with limited exceptions from this requirement for bid purposes only under Labor Code section 1771.1(a)].
 - B. No contractor or subcontractor may be awarded a contract for public work on a public works project (awarded on or after April 1, 2015) unless registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5.
12. The Work performed pursuant to this Contract will be subject to the requirements of the "PROJECT STABILIZATION/COMMUNITY BENEFITS AGREEMENT for the COUNTY OF ALAMEDA" as described in Project Stabilization/ Community Benefit Document 00 73 49. In consideration of the award of a Contract to perform the Work, the Contractor agrees to be party to and bound by the "PROJECT STABILIZATION/COMMUNITY BENEFITS AGREEMENT for the COUNTY OF ALAMEDA". Contractor agrees to execute the "PROJECT

STABILIZATION/COMMUNITY BENEFITS AGREEMENT for the COUNTY OF ALAMEDA” Letter of Assent and shall require all of its subcontractors, of whatever tier, to become similarly bound for all work within the scope of this Contract by signing an identical Letter of Assent.

13. A mandatory pre-bid conference and site visit will be held on January 4, 2017, at 10:00 a.m. at the Santa Rita Jail Main Entrance RAMP located at 5325 Broder Blvd. Dublin, California. All participants are required to sign in at the site... The site visit is expected to take approximately 2 hours. Failure to attend or arrival after the material start of the meeting will render bid ineligible.
14. Contract Documents are available on December 21, 2016, for review at the County offices of the General Services Agency, Technical Services Dept., 1401 Lakeside Dr. Suite 800, Oakland, CA. In addition, Contract Documents are available for bidders’ review at the locations shown on Attachment 1 to this Document.

Contract Documents are also available for purchase at East Bay Blue Print, 1745 14th Ave., Oakland, CA. This fee is non-refundable.

15. The County has found and determined that the following item(s) shall be used on this Project based on the purpose(s) indicated. (Public Contract Code section 3400(b)): A particular material, product, thing, or service is designated by specific brand or trade name for the following purpose(s):

- (1) “INTENTIONALLY LEFT BLANK”
- (2) “INTENTIONALLY LEFT BLANK”
- (3) “INTENTIONALLY LEFT BLANK”
- (4) “INTENTIONALLY LEFT BLANK”

14. It is County policy to minimize the expenditure of County funds on goods and services produced by any entity which buys, sell, leases or distributes commodities and/or professional services to (1) the government of Burma; or (2) any entity organized under the laws of Burma; or (3) any entity which does business with any private or public entity located in Burma, or conducts operations in Burma. Contractors are urged to comply with the policy in making purchases and subcontracts. (ref. Alameda County, Cal., Adm. Code tit.4, §4.32.050(B),(F))

15. ~~Contractors must comply with County Administrative Code’s CONSTRUCTION DEBRIS MANAGEMENT AND GREEN BUILDING PRACTICES. This Project is designed to meet minimum LEED™ “Self-Certification” rating under the LEED rating~~

~~system, or a county approved equivalent, and Contractors are required to perform all work in a manner that will not hinder LEED™ certification of the Project.~~

16. The County reserves the right to reject any and all bids and/or waive any irregularity in any bid received. If the County awards the Contract, the security of unsuccessful bidder(s) shall be returned within sixty (60) days from the time the award is made. Unless otherwise required by law, no bidder may withdraw its bid for ninety (90) days after the date of the bid opening.
17. The County shall award the Contract, if it awards it at all, to the lowest responsive responsible bidder based on:
 - A. The base bid amount only.

Determination of the responsible bidder with the lowest responsive bid will also be subject to the terms of the Enhanced Construction Outreach Program Document 00 22 19.

END OF DOCUMENT

PLAN ROOM ADVERTISING LIST

<input type="checkbox"/> 1 Bay Area Builders Exchange** 3055 Alvarado Street San Leandro, CA 94577 Phone: (510) 483-8880 ;Fax: (925) 685-3424 Email: planroom@bayareabx.com (This is a merger of Builders Exchange of Alameda County and Contra Costa Builders Exchange 5/18/15.)	<input type="checkbox"/> 2 San Francisco Builders Exchange 850 South Van Ness Avenue San Francisco, CA 94110 Phone: (415) 282-8220 Fax: (415) 821-0363 Email: djohnsonsf@sbcglobal.net
<input type="checkbox"/> 3 Dodge Data and Analytics (Dodge Plan Room, formerly McGraw-Hill Construction Dodge) (Online) 3315 Central Avenue Hot Springs Arkansas (AR) 71913 (Contact: Gerry McCarthy) 626-531-6818; Fax: 626-226-1623 Email gerry.mccarthy@construction.com	<input type="checkbox"/> 4 Small Business Exchange 703 Market Street, Suite 1000 San Francisco, CA 94103 Phone: (415) 778-6250 Fax: (415) 778-6255 Email: sbe@sbeinc.com
<input type="checkbox"/> 5 Central California Builders Exchange 1244 N. Mariposa St. Fresno, Ca 93703 Phone (559) 237-1831; Fax (559) 264-2532 Email: megan@cencalbx.com	<input checked="" type="checkbox"/> 6 County of Alameda Current Contracting Opportunities Website located at http://www.acgov.org/gsa_app/gsa/purchasing/bid_content/contractopportunities.jsp
<input type="checkbox"/> 7 The Blue Book Building & Construction Network (www.bb-bid.com Online) Contact: Amanda Limitone, Project Communication Specialist Phone: (855) 805-2560, ext.3145; Email: alimitone@thebluebook.com	
<input type="checkbox"/> 8 Reed Construction Data** – Online/Electronic Plan Room 30 Technology Parkway South, Suite 100 Norcross, GA 30092-2912 Phone: (770) 209-3396 Jeannie Kwan; Fax (Addenda only): (800) 303-8629; Fax (Notice to Bidders/IFB): (800) 642-2437; Email (addenda only): docprocessing@reedbusiness.com - <i>Send requests to advertise to above address/fax/phone-</i> Local Email: jeannie.kwan@reedbusiness.com (EPR: http://www.reedconstructiondata.com)	
<input checked="" type="checkbox"/> 9 East Bay Blue Print & Supply Co. 1745 Fourteenth Ave Oakland, CA 94606 Phone: (510) 261-2990 - Sandy Petty Email: ebbp@eastbayblueprint.com	
<input type="checkbox"/> 10 Construction Bidboard, Inc.(Online)** 11622 El Camino Real, Suite 100 San Diego, CA 92130 800-479-5314 phone; 619-688-0585 fax (Contact Dorothy Ellithorpe dellithorpe@ebidboard.com) Alternate: planroom@ebidboard.com * ebidboard@gmail.com	

* Plans/Specs must be sent to individual Plan Rooms to ensure posting at that location.

**Construction trade journals specified for alternate bidding procedures for projects between \$25,000 and \$125,000 minimum advertising requirements. County policy is to post all construction projects over \$25,000 in all listed Plan Rooms, Press/Newspaper Publications and Local Chambers of Commerce/Trade Organizations

DOCUMENT 01 35 13.26

CONSTRUCTION WASTE MANAGEMENT

PART 1 – GENERAL

1.01 SUMMARY

- A. This section specifies the requirements for the diversion of demolition (non-hazardous) and construction debris from landfill and submittal of the Waste Management Plan.
- B. Related requirements specified elsewhere include:
 - 1. Requirements for temporary facilities and controls are indicated in Section 01500 – Temporary Facilities and Controls.
- C. Performance Requirement: Divert a minimum of 65% construction and demolition (non-hazardous) debris from landfill. This project has a debris diversion goal of 75%.

1.03 DEFINITIONS

- A. "Conversion Rate" means the rate set forth in the standardized Conversion Rate Table (see Page 8) approved by the County of Alameda for use in estimating the weight of materials identified in the Waste Management Plan and Waste Management Table (see Page 7).
- B. "Divert" means to use material for any purpose other than disposal in a landfill or transfer facility.
- C. "Good faith" shall be as defined by law.
- D. "Recycling Service" means an off-site service that provides processing of material and diversion from landfill.
- E. "Hauler" means the entity that transports construction and demolition debris to either a landfill or a recycling service.

1.04 QUALITY ASSURANCE

- A. The Contractor shall obtain all special permits and licenses and meet all special requirements for performance and completion of the work of this section.
- B. Regulatory requirements
 - 1. Approval of the Waste Management Plan and Waste Management Table by the County of Alameda is required before beginning construction or demolition.
- C. Recycling service company qualifications – any of the following:

1. Listed in the “*Recycle Where Directory*” an online database maintained by Stop-Waste.Org with approved recycling vendors and facilities. The “*Recycling Where Directory*” can be accessed at www.StopWaste.Org or by calling 1-877-STOPWASTE (1-877-786-7927).
2. If not listed, submit certification in writing from any recycling services that accepted the debris which will be diverted from landfill.

1.05 SUBMITTALS

- A. Submit specified Waste Management Plan to indicate how waste will be diverted from landfills. Plan to include procedures and schedule for debris disposal. Submittal is required **within 7 calendar days after receipt of Notice to Proceed** and prior to any waste removal.
- B. Submit certification from recycling services that are not listed in the “*Recycling Where Directory*”. Written documentation must be provided identifying where the construction and demolition material is taken, what method or process is being used to recycle the material, and identifying applicable state and local permits held by the recycling service provider and recycling facility.
- C. Submit completed Waste Management Plan, of this Section, **at 50 percent progress payment application and at 100 percent status report upon completion of the Work. The 100 percent status report is required before full release of retention.**

1.06 WASTE MANAGEMENT PLAN

- A. Plan Development: Develop a plan for diverting the specified percentage of construction debris from landfill. The plan shall include the following:
 1. Submit **within 7-calendar days after receipt of Notice to Proceed** and prior to any waste removal.
 2. Propose means and methods for collecting and separating each type of debris deemed reusable or recyclable.
 3. Identify the off-site recycling service and hauler of each designated debris item, who has agreed to accept and divert that item from landfill, in the proposed quantities anticipated. Schedule each item and list off-site recycling service and hauler company name, telephone number, address, and person contacted.
 4. Include a "good faith" estimate of each type of construction waste, as applicable, that would be generated if no diversion methods were implemented. Submit with calculations based upon weight of each. The following items are subject to the "good faith" estimate and diversion requirement:
 - a. Asphalt & Concrete
 - b. Brick/Masonry/Tiles

- c. Building Materials (doors, windows, fixtures, etc.)
 - d. Cardboard and other paper products
 - e. Carpet/Carpet Padding/Foam
 - f. Ceiling Tiles (acoustic)
 - g. Drywall
 - h. Electrical Components (light fixtures, cables, etc)
 - i. Film Plastic & Styrofoam Blocks
 - j. Landscape Debris (Plant & tree trimmings)
 - k. Mechanical Debris (ducts, controls, plumbing fixtures, etc)
 - l. Scrap Metal
 - m. Unpainted Wood and Pallets
 - n. Other (painted wood & drywall, roofing, etc)
 - o. Mixed C&D (defined as a mixture of three or more materials from construction or demolition sites that will be taken to a “qualified” facility for recycling.)
 - p. Trash/garbage
5. Calculate quantities, and convert volume measurements to weights in accordance with the defined Conversion Rate.

B. Plan Implementation

1. Maintain a log of each load, of each category item diverted from landfill. Log in separately the debris sent to a Class III landfill and the materials sent to recycling facilities.
 - a. Include in the log, type of load, load weight, name of hauling service; recycling service or landfill, and date accepted by recycling service or by landfill.
 - b. The County reserves the right to audit the log at any time. Contractor shall retain and provide to the County all weight tickets, copies of receipts and invoices and any other documentation related to the disposal or recycling of generated waste/debris from demolition and construction activities.
 - c. Units of measure: Use same units as stated in the accepted Construction Waste Management plan "good faith" estimate of construction waste that would be generated if no remedial methods were implemented.

2. Material handling
 - a. Separation facilities
 - 1) Designate a specific on site area or areas to facilitate separation of materials for potential reuse, salvage, recycling, and return.
 - 2) Keep waste bins and pile areas neat and clean. Clearly mark bins for each category of waste. Do not co-mingle non-recyclable waste with materials designated for reuse or recycling.
 - b. Environmental controls during handling, storage, or transport: Do not permit designated materials to become contaminated or to contaminate site or surrounding areas.
3. Training and coordination
 - a. Furnish copies of the Waste Management Plan to all on-site supervisors, each subcontractor, the County, and the Architect before/prior to commencement of the Work.
 - b. Instruction: Provide on-site instruction of appropriate separation, handling, and recycling, salvage, reuse, and return methods to be used by all entities at the appropriate stages of the Project.
 - c. Meetings: Include Construction Waste Management on the agenda of meetings. At a minimum, discuss waste management goals and issues at the following meetings:
 - 1) Pre-bid meeting(s).
 - 2) Pre-construction meeting(s).
 - 3) Regularly scheduled job-site meetings.

PART 2 - PRODUCTS

MATERIALS, EQUIPMENT AND FACILITIES

- A. Furnish all materials, tools, equipment, devices, appurtenances, facilities, and services required for performing waste management of debris covered under this Section's Scope of Work.
- B. Facilities authorized to accept mixed C&D waste for recycling and facilities that accept other types of waste are listed in the "Recycle Where Directory" an online database maintained by StopWaste.Org with approved recycling vendors and facilities. The "Recycling Where Directory" can be accessed at www.StopWaste.Org or by calling 1-877-STOPWASTE (1-877-786-7927).

PART 3 - EXECUTION

3.01 EXAMINATION AND PREPARATION

- A. Perform as required in the Waste Management Plan accepted by the County.

3.02 DISPOSAL OF DEBRIS

- A. Dispose of waste, trash and debris in a safe, acceptable manner, in accordance with applicable laws and ordinances and as prescribed by authorities having jurisdiction. Burying of trash and debris on the site will not be permitted.
- B. Remove demolished materials from site as work progresses. Remove debris from the site so that its presence will not delay the progress of the work.
- C. Debris shall be the property of the Contractor and shall be removed and disposed of in a legal manner off the County's property in accordance with the accepted Waste Management Plan described herein. Location of recycling facility or dump and length of haul shall be the Contractor's responsibility.

Waste Management Plan

Many of the materials generated from your project can be recycled. You are required to list materials that will be reused, recycled or disposed from your project.

See PART 1 – GENERAL, 1.01 SUMMARY, C. Performance Requirements.

Use **tons** to quantify total estimated waste and percentages for materials. Ask your hauler, recycler or site cleanup vendor to assist you with this plan. Receipts of all recycling and disposal must be submitted after project completion.

Project Name: _____

Location: _____

Type of Project: New Construction Demolition and Replacement

Square Footage: _____

Type of Construction (wood frame, concrete, steel, etc.): _____

Total Project Value: \$ _____

Company Name: _____ Contact: _____

Address: _____ Phone: _____

Recycler #1: _____ Contact: _____

Address: _____ Phone: _____

Recycler #2: _____ Contact: _____

Address: _____ Phone: _____

Recycler #3: _____ Contact: _____

Address: _____ Phone: _____

Questions? Call Alameda County Project Manager, GSA - Capital Program .

Submit this form and the attached Waste Management table to:

Project Manager:

County of Alameda GSA- Capital Program

1401 Lakeside Drive, Suite 800

Oakland, CA 94512

Waste Management Plan

Project Name:

Total Estimated Waste Generated by Project: _____ tons (Ask your hauler, recycler or site cleanup vendor to assist you. Use receipts from your previous jobs for estimates)					
Complete and return within 7-calendar days after receipt of Notice to Proceed.			Complete and return with receipts at 50% progress payment and at 100% status report.		
Material Type	Estimated Reused/ Recycled	Estimated Disposed/ Landfilled	Actual Re-used/ Recycled	Actual Disposed/ Landfilled	Vendor or Facility Used (Destination)
Asphalt & Concrete					
Bricks/Masonry/Tiles					
Building Materials (doors, windows, fixtures, etc.)					
Cardboard & other paper products					
Carpet/Carpet Padding/Foam					
Ceiling Tiles (acoustic)					
Drywall (new, unpainted)					
Electrical Components (light fixtures, cables, etc)					
Film Plastic & Styrofoam Blocks					
Landscape Debris (Plant & Tree Trimmings)					
Mechanical Debris (ducts, controls, plumbing fixtures, etc)					
Scrap Metal					
Unpainted Wood & Pallets					
Other (painted wood & drywall, roofing, etc.)					
Mixed C&D*					
Trash/Garbage					
TOTAL					

* Mixed C&D is defined as a mixture of three or more materials (e.g. wood, drywall, roofing, insulation, etc.) from construction or demolition sites that will be taken to a facility for recycling approved by the Alameda County Waste Management Authority.

* Recycling rates for mixed C&D debris loads vary among Recycling vendors and facilities. For the purposes of calculating your Waste Management Table, assume that 70% by weight of the “mixed C&D debris” are reused/recycled and 30% are disposed/land-filled.

Did you have difficulties finding recycling vendors? Yes No

If the estimated amount reused/recycled is less than the 75% goal, please explain why:

If the actual amount reused/recycled is less than the 75% goal, please explain why:

Prepared by: _____ Date: _____

Signature: _____

Conversion Rates

The following conversion rates are estimates. The ranges vary widely, depending on how the materials are handled (compacted, loose, chipped, etc.). Use the conversion factors and receipts from previous projects to help you estimate the potential amount of materials and waste. Take into consideration the type and load of vehicles that will be used to haul the materials. Ask your hauler or recycler to assist you in estimating these numbers.

Material	Lbs/cy	Tons/cy
Asphalt	1,400 lbs/cy	0.7 tons/cy
Cardboard	100 lbs/cy	0.05 tons/cy
Concrete	2,600 lbs/cy (Sources range from 1,000 to 4,000)	1.3 tons/cy
Drywall	700 lbs/cy	0.35 tons/cy
Wood (chipped)	300 - 650 lbs/cy	0.15 – 0.3 tons/cy
Mixed C&D Debris	900 lbs/cy	0.45 tons/cy
Mixed Waste/Trash	100 - 350 lbs/cy	0.5 - 0.175 tons/cy

END OF DOCUMENT

DOCUMENT 01 65 00

DELIVERY, STORAGE AND HANDLING

PART 1 - GENERAL

1.01 RELATED DOCUMENTS AND PROVISIONS

All Contract Documents should be reviewed for applicable provisions related to the provisions in this document, including without limitation:

- A. General Conditions, including, without limitation, Site Access, Conditions and Requirements;
- B. Special Conditions.

1.02 PRODUCTS

- A. Products are as defined in the General Conditions.
- B. Contractor shall not use and/or reuse materials and/or equipment removed from existing Premises, except as specifically permitted by the Contract Documents.
- C. Contractor shall provide interchangeable components of the same manufacturer, for similar components.

1.03 TRANSPORTATION AND HANDLING

- A. Contractor shall transport and handle Products in accordance with manufacturer's instructions.
- B. Contractor shall promptly inspect shipments to confirm that Products comply with requirements, quantities are correct, and products are undamaged.
- C. Contractor shall provide equipment and personnel to handle Products by methods to prevent soiling, disfigurement, or damage.

1.04 STORAGE AND PROTECTION

- A. Contractor shall store and protect Products in accordance with manufacturer's instructions, with seals and labels intact and legible. Contractor shall store sensitive products in weather-tight, climate controlled enclosures.
- B. For exterior storage of fabricated Products, Contractor shall place on sloped supports, above ground.
- C. Contractor shall provide off-site storage and protection when Site does not permit on-site storage or protection.
- D. Contractor shall cover products subject to deterioration with impervious sheet covering and provide ventilation to avoid condensation.
- E. Contractor shall store loose granular materials on solid flat surfaces in a well-drained area and prevent mixing with foreign matter.
- F. Contractor shall provide equipment and personnel to store Products by methods to prevent soiling, disfigurement, or damage.
- G. Contractor shall arrange storage of Products to permit access for inspection and periodically inspect to assure Products are undamaged and are maintained under specified conditions.

END OF DOCUMENT

DOCUMENT 01 71 23

FIELD ENGINEERING

PART 1 - GENERAL

1.01 RELATED DOCUMENTS AND PROVISIONS:

All Contract Documents should be reviewed for applicable provisions related to the provisions in this document, including without limitation:

- A. General Conditions, including, without limitation, Site Investigation, and Soils Investigation Report;
- B. Special Conditions;
- C. Site-Visit Certification.

1.02 REQUIREMENTS INCLUDED:

- A. Contractor shall provide and pay for field engineering services by a California-registered engineer, required for the project, including, without limitations:
 - (1) Survey work required in execution of the Project.
 - (2) Civil or other professional engineering services specified, or required to execute Contractor's construction methods.

1.03 QUALIFICATIONS OF SURVEYOR OR ENGINEERS:

- A. Contractor shall only use a qualified licensed engineer or registered land surveyor, to whom County makes no objection.

1.04 SURVEY REFERENCE POINTS:

- A. Existing basic horizontal and vertical control points for the Project are those designated on the Drawings.
- B. Contractor shall locate and protect control points prior to starting Site Work and preserve all permanent reference points during construction. In addition Contractor shall:

- (1) Make no changes or relocation without prior written notice to County and Architect.
- (2) Report to County and Architect when any reference point is lost or destroyed, or requires relocation because of necessary changes in grades or locations.
- (3) Require surveyor to replace Project control points based on original survey control that may be lost or destroyed.

1.05 RECORDS:

- A. Contractor shall maintain a complete, accurate log of all control and survey work as it progresses.

1.06 SUBMITTALS:

- A. Contractor shall submit name and address of Surveyor and Professional Engineer to County and Architect prior to its/their work on the Project.
- B. On request of County and Architect, Contractor shall submit documentation to verify accuracy of field engineering work, at no additional cost to the County.
- C. Contractor shall submit a certificate signed by registered engineer or surveyor certifying that elevations and locations of improvements are in conformance or nonconformance with Contract Documents.

PART 2 – PRODUCTS

Not Used.

PART 3 - EXECUTION

- 3.01 Contractor is responsible for meeting all applicable codes, OSHA, safety and shoring requirements.
- 3.02 Contractor is responsible for any re-surveying required by correction of nonconforming work.

END OF DOCUMENT

DOCUMENT 01 73 29

CUTTING AND PATCHING

1. PART 1 – GENERAL

1.01 RELATED DOCUMENTS AND PROVISIONS:

All Contract Documents should be reviewed for applicable provisions related to the provisions in this document, including without limitation:

- A. General Conditions;
- B. Special Conditions;
- C. Hazardous Materials Procedures and Requirements;
- D. Hazardous Materials Certification;
- E. Imported Materials Certification.

1.02 CUTTING AND PATCHING:

- A. Contractor shall be responsible for all cutting, fitting, and patching, including associated excavation and backfill, required to complete the Work or to:
 - (1) Make several parts fit together properly.
 - (2) Uncover portions of Work to provide for installation of ill-timed Work.
 - (3) Remove and replace defective Work.
 - (4) Remove and replace Work not conforming to requirements of Contract Documents.
 - (5) Remove Samples of installed Work as specified for testing.
 - (6) Provide routine penetrations of non-structural surfaces for installation of piping and/or electrical conduit.
 - (7) Attach new materials to existing remodeling areas, including painting (or other finishes) to match existing conditions.

- B. In addition to Contract requirements, upon written instructions from the County, Contractor shall uncover Work to provide for observations of covered Work in accordance with the Contract Documents; remove samples of installed materials for testing as directed by County; and remove Work to provide for alteration of existing Work.
- C. Contractor shall not cut or alter Work, or any part of it, in such a way that endangers or compromises the integrity of the Work, the Project, or work of others.

1.03 SUBMITTALS:

- A. Prior to any cutting or alterations that may affect the structural safety of Project, or work of others, and well in advance of executing such cutting or alterations, Contractor shall submit written notice to County pursuant to the applicable notice provisions of the Contract Documents, requesting consent to proceed with the cutting or alteration, including the following:
 - (1) The Work of the County or other trades.
 - (2) Structural value or integrity of any element of Project.
 - (3) Integrity or effectiveness of weather-exposed or weather-resistant elements or systems.
 - (4) Efficiency, operational life, maintenance or safety of operational elements.
 - (5) Visual qualities of sight-exposed elements.
- B. Contractor's Request shall also include:
 - (1) Identification of Project.
 - (2) Description of affected Work.
 - (3) Necessity for cutting, alteration, or excavations.
 - (4) Effects of Work on County, other trades, or structural or weatherproof integrity of Project.
 - (5) Description of proposed Work:

- (a) Scope of cutting, patching, alteration, or excavation.
- (b) Trades that will execute Work.
- (c) Products proposed to be used.
- (d) Extent of refinishing to be done.
- (6) Alternates to cutting and patching.
- (7) Cost proposal, when applicable.
- (8) The scheduled date the Contractor intends to perform the Work and the duration of time to complete the Work.
- (9) Written permission of other trades whose Work will be affected.

1.04 QUALITY ASSURANCE:

- A. Contractor shall ensure that cutting, fitting, and patching shall achieve security, strength, weather protection, appearance for aesthetic match, efficiency, operational life, maintenance, safety of operational elements, and the continuity of existing fire ratings.
- B. Contractor shall ensure that cutting, fitting, and patching shall successfully duplicate undisturbed adjacent profiles, materials, textures, finishes, colors, and that materials shall match existing construction. Where there is dispute as to whether duplication is successful or has been achieved to a reasonable degree, the County's decision shall be final.

1.05 PAYMENT FOR COSTS:

- A. Cost caused by ill-timed or defective Work or Work not conforming to Contract Documents, including costs for additional services of the County, its consultants, including but not limited to the Construction Manager, the Architect, the Project Inspector(s), Engineers, and Agents, will be paid by Contractor and/or deducted from the Contract by the County.
- B. County shall only pay for cost of Work if it is part of the original Contract Price or if a change has been made to the contract in compliance with the provisions of the General Conditions. Cost of Work performed upon instructions from the County,

other than defective or nonconforming Work, will be paid by County on approval of written Change Order. Contractor shall provide written cost proposals prior to proceeding with cutting and patching.

PART 2 - PRODUCTS

2.01 MATERIALS:

- A. Contractor shall provide for replacement and restoration of Work removed. Contractor shall comply with the Contract Documents and with the Industry Standard(s), for the type of Work, and the Specification requirements for each specific product involved. If not specified, Contractor shall first recommend a product of a manufacturer or appropriate trade association for approval by the County.
- B. Materials to be cut and patched include those damaged by the performance of the Work.

PART 3 – EXECUTION

3.01 INSPECTION:

- A. Contractor shall inspect existing conditions of the Site and the Work, including elements subject to movement or damage during cutting and patching, excavating and backfilling. After uncovering Work, Contractor shall inspect conditions affecting installation of new products.
- B. Contractor shall report unsatisfactory or questionable conditions in writing to County as indicated in the General Conditions and shall proceed with Work as indicated in the General Conditions by County.

3.02 PREPARATION:

- A. Contractor shall provide shoring, bracing and supports as required to maintain structural integrity for all portions of the Project, including all requirements of the Project.
- B. Contractor shall provide devices and methods to protect other portions of Project from damage.
- C. Contractor shall, provide all necessary protection from weather and extremes of temperature and humidity for the Project, including without limitation, any work

that may be exposed by cutting and patching Work. Contractor shall keep excavations free from water.

3.03 ERECTION, INSTALLATION AND APPLICATION:

- A. With respect to performance, Contractor shall:
 - (1) Execute fitting and adjustment of products to provide finished installation to comply with and match specified tolerances and finishes.
 - (2) Execute cutting and demolition by methods that will prevent damage to other Work, and provide proper surfaces to receive installation of repairs and new Work.
 - (3) Execute cutting, demolition excavating, and backfilling by methods that will prevent damage to other Work and damage to settlement.
- B. Contractor shall employ original installer or fabricator to perform cutting and patching for:
 - (1) Weather-exposed surfaces and moisture-resistant elements such as electrical conduits/boxes, sheet metal, sealants, waterproofing, and other trades.
 - (2) Sight-exposed finished surfaces.
- C. Contractor shall execute fitting and adjustment of products to provide a finished installation to comply with specified products, functions, tolerances, and finishes as shown or specified in the Contract Documents including, without limitation, the Drawings and Specifications.
- D. Contractor shall fit Work airtight to pipes, sleeves, ducts, conduit, and other penetrations through surfaces. Contractor shall conform to all Code requirements for penetrations or the Drawings and Specifications, whichever calls for a higher quality or more thorough requirement. Contractor shall maintain integrity of both rated and non-rated fire walls, ceilings, floors, etc.
- E. Contractor shall restore Work which has been cut or removed. Contractor shall install new products to provide completed Work in accordance with requirements of the Contract Documents and as required to match surrounding areas and surfaces.

- F. Contractor shall refinish all continuous surfaces to nearest intersection as necessary to match the existing finish to any new finish.

END OF DOCUMENT

DOCUMENT 01 76 00

PROTECTING INSTALLED CONSTRUCTION

PART 1 – GENERAL

1.01 RELATED DOCUMENTS AND PROVISIONS:

All Contract Documents should be reviewed for applicable provisions related to the provisions in this document, including without limitation:

- A. General Conditions;
- B. Special Conditions.

PART 2 - PRODUCTS

2.01 PRODUCTS FOR PATCHING AND EXTENDING WORK:

- A. New Materials: As specified in the Contract Documents including, without limitation, in the Specifications, Contractor shall match existing products, conditions, and work for patching and extending work.
- B. Type and Quality of Existing Products: Contractor shall determine by inspection, by testing products where necessary, by referring to existing conditions and to the Work as a standard.

PART 3 - EXECUTION

3.01 EXAMINATION:

- A. Contractor shall verify that demolition is complete and that areas are ready for installation of new Work.
- B. By beginning restoration Work, Contractor acknowledges and accepts the existing conditions.

3.02 PREPARATION:

- A. Contractor shall cut, move, or remove items as necessary for access to alterations and renovation Work. Contractor shall replace and restore these at completion.

- B. Contractor shall remove unsuitable material not as salvage unless otherwise indicated in the Contract Documents. Unsuitable material may include, without limitation, rotted wood, corroded metals, and deteriorated masonry and concrete. Contractor shall replace materials as specified for finished Work.
- C. Contractor shall remove debris and abandoned items from all areas of the Site and from concealed spaces.
- D. Contractor shall prepare surface and remove surface finishes to provide for proper installation of new Work and finishes.
- E. Contractor shall close openings in exterior surfaces to protect existing work from weather and extremes of temperature and humidity. Contractor shall insulate ductwork and piping to prevent condensation in exposed areas. Contractor shall insulate building cavities for thermal and/or acoustical protection, as detailed.

3.03 INSTALLATION:

- A. Contractor shall coordinate Work of all alternations and renovations to expedite completion and to accommodate County occupancy.
- B. Designated Areas and Finishes: Contractor shall complete all installations in all respects, including operational, and electrical work.
- C. Contractor shall remove, cut, and patch Work in a manner to minimize damage and to provide a means of restoring Products and finishes to original or specified condition.
- D. Contractor shall refinish visible existing surfaces to remain in renovated rooms and spaces, to specified condition for each material, with a neat transition to adjacent finishes.
- E. Contractor shall install products as specified in the Contract Documents, including without limitation, the Specifications.

3.04 TRANSITIONS:

- A. Where new Work abuts or aligns with existing, Contractor shall perform a smooth and even transition. Patched Work must match existing adjacent work in texture and appearance.

- B. When finished surfaces are cut so that a smooth transition with new Work is not possible, Contractor shall terminate existing surface along a straight line at a natural line of division and make a recommendation for resolution to the County and the Architect for review and approval.

3.05 ADJUSTMENTS:

- A. Where removal of walls results in adjacent spaces becoming one, Contractor shall rework to a smooth plane without breaks, steps, or bulkheads.
- B. Where a change of plane of 1/8 inch or more occurs, Contractor shall submit a recommendation for providing a smooth transition to the County and the Architect for review and approval.
- C. Contractor shall fit Work at penetrations of surfaces.

3.06 REPAIR OF DAMAGED SURFACES:

- A. Contractor shall patch or replace portions of existing surfaces which are damaged, lifted, discolored, or showing other imperfections.
- B. Contractor shall repair substrate prior to patching finish.

3.07 CULTIVATED AREAS AND OTHER SURFACE IMPROVEMENTS:

- A. Cultivated or planted areas and other surface improvements which are damaged by actions of the Contractor shall be restored by Contractor to their original condition or better, where indicated.
- B. Contractor shall protect and replace, if damaged, all existing guard posts, barricades, and fences.
- C. Contractor shall give special attention to avoid damaging or killing trees, bushes and/or shrubs on the Premises and/or identified the Contract Documents, including without limitation, the Drawings.

3.08 FINISHES:

- A. Contractor shall finish surfaces as specified in the Contract Documents, including without limitations, the provisions of all Divisions of the Specifications.

- B. Contractor shall finish patches to produce uniform finish and texture over entire area. When finish cannot be matched, Contractor shall refinish entire surface to nearest intersections.

3.09 CLEANING:

- A. Contractor shall continually clean the Site and the Premises as indicated in the Contract Documents, including without limitation, the provisions in the General Conditions and the Specifications regarding cleaning.

END OF DOCUMENT

DOCUMENT 01 77 00

CONTRACT CLOSEOUT

PART 1 - GENERAL

1.01 RELATED DOCUMENTS AND PROVISIONS

All Contract Documents should be reviewed for applicable provisions related to the provisions in this document, including without limitation:

- A. General Conditions, including, without limitation, Completion of Work;
- B. Special Conditions;
- C. Construction Facilities and Temporary Controls.

1.02 CLOSEOUT PROCEDURES

Contractor shall comply with all closeout provisions as indicated in the General Conditions.

1.03 FINAL CLEANING

- A. Contractor shall execute final cleaning prior to final inspection.
- B. Contractor shall clean and/or pressure wash concrete surfaces exposed to view; remove temporary labels, tape, stains, and foreign substances, polish transparent and glossy surfaces.
- C. Contractor shall clean equipment and fixtures to a sanitary condition.
- D. Contractor shall replace filters of operating equipment.
- E. Contractor shall clean debris from lawn and planter boxes around work area, and drainage systems.
- F. Contractor shall clean Site, sweep paved areas, and rake clean landscaped surfaces.
- G. Contractor shall remove waste and surplus materials, rubbish, and construction facilities from the Site.

1.04 ADJUSTING

- A. Contractor shall adjust operating products and equipment to ensure smooth and unhindered operation.
- B. Record Documents and Shop Drawings: Contractor shall legibly mark each item to record actual construction, including:
 - (1) Measured depths of foundations in relation to finish slab datum.
 - (2) Measured horizontal and vertical locations of underground utilities and appurtenances, referenced to permanent surface improvements.
 - (3) Measured locations of internal utilities and appurtenances concealed in construction, referenced to visible and accessible features of the Work.
 - (4) Field changes of dimension and detail.
 - (5) Details not on original Contract Drawings.
 - (6) Changes made by modification(s).
 - (7) References to related Shop Drawings and modifications.
- C. County will provide one set of reproducible drawings to Contractor.
- D. Contractor shall submit all required documents to County and/or Architect prior to or with its final Application for Payment.

1.06 INSTRUCTION OF COUNTY PERSONNEL:

- A. Before final inspection, at agreed upon times, Contractor shall instruct County's designated personnel in operation, adjustment, and maintenance of products, equipment, and systems.
- B. For equipment requiring seasonal operation, Contractor shall perform instructions for other seasons within six months.
- C. Contractor shall use operation and maintenance manuals as basis for instruction. Contractor shall review contents of manual with personnel in detail to explain all aspects of operation and maintenance.

- D. Contractor shall prepare and insert additional data in Operation and Maintenance Manual when need for such data becomes apparent during instruction.
- E. Contractor shall use operation and maintenance manuals as basis for instruction. Contractor shall review contents of manual with personnel in detail to explain all aspects of operation and maintenance.

1.07 SPARE PARTS AND MAINTENANCE MATERIALS:

- A. Contractor shall provide products, spare parts, maintenance, and extra materials in quantities specified in the Specifications and in Manufacturer's recommendations.
- B. Contractor shall provide County all required Operation and Maintenance Data.

PART 2 – PRODUCTS Not used.

PART 3 – EXECUTION Not used.

END OF DOCUMENT

DOCUMENT 01 78 36

WARRANTIES

PART 1 - GENERAL

1.01 RELATED DOCUMENTS AND PROVISIONS

All Contract Documents should be reviewed for applicable provisions related to the provisions in this document, including without limitation:

- A. General Conditions, including, without limitation, Warranty/Guarantee Information;
- B. Special Conditions.

1.02 FORMAT

- A. Binders: Contractor shall use commercial quality, 8-1/2 by 11 inch, three-side rings, with durable plastic covers; two inch maximum ring size.
- B. Cover: Contractor shall identify each binder with typed or printed title "WARRANTIES" and shall list title of Project.
- C. Table of Contents: Contractor shall provide title of Project; name, address, and telephone number of Contractor and equipment supplier, and name of responsible principal. Contractor shall identify each item with the number and title of the specific Specification, document, provision, or section in which the name of the product or work item is specified.
- D. Contractor shall separate each warranty with index tab sheets keyed to the Table of Contents listing, providing full information and using separate typed sheets as necessary. Contractor shall list each applicable and/or responsible subcontractor(s), supplier(s), and/or manufacturer(s), with name, address, and telephone number of each responsible principal(s).

1.03 PREPARATION:

- A. Contractor shall obtain warranties, executed in duplicate by each applicable and/or responsible subcontractor(s), supplier(s), and manufacturer(s), within ten (10) days after completion of the applicable item or work. Except for items put

into use with County's permission, Contractor shall leave date of beginning of time of warranty until the date of completion is determined.

- B. Contractor shall verify that documents are in proper form, contain full information, and are notarized, when required.
- C. Contractor shall co-execute submittals when required.
- D. Contractor shall retain warranties until time specified for submittal.

1.04 TIME OF SUBMITTALS:

- A. For equipment or component parts of equipment put into service during construction with County's permission, Contractor shall submit a draft warranty for that equipment or component within ten (10) days after acceptance of that equipment or component.
- B. Contractor shall submit for County approval all warranties and related documents within ten (10) days after date of completion. Contractor must revise the warranties as required by the County prior to County's approval of Contractor's final Application for Payment.
- C. For items of work delayed beyond date of completion, provide updated submittal within ten days after acceptance, listing the date of acceptance as start of warranty period.

END OF DOCUMENT

DOCUMENT 01 78 39

PROJECT RECORD DOCUMENTS

PART 1 - GENERAL

1.01 RELATED DOCUMENTS AND PROVISIONS:

All Contract Documents should be reviewed for applicable provisions related to the provisions in this document, including without limitation:

- A. General Conditions, including, without limitation, Documents on Work;
- B. Special Conditions.

PART 2 - RECORD DRAWINGS

2.01 GENERAL:

- A. As indicated in the Contract Documents, the County will provide Contractor with one set of reproducible (mylars) plans of the original Contract Drawings.
- B. Contractor shall maintain at each Project Site one set of marked-up blueline prints and each month, or as otherwise agreed, shall transfer all changes and information to those marked-up blueline prints. Contractor shall submit to the Project County one set of reproducible vellums of the Project Record Drawings (“As-Builts”) showing all changes incorporated into the Work since the preceding monthly submittal. The Record Drawings shall be available at the Project Site. The Contractor shall submit reproducible vellums at the conclusion of the Project following review of the blueline prints.
- C. Label and date each Record Drawing "RECORD DOCUMENT" in legibly printed letters.
- D. All deviations in construction, including but not limited to pipe and conduit locations and deviations caused by without limitation Change Orders, Construction Claim Directives, RFI's, and Addenda, shall be accurately and legibly recorded by Contractor.
- E. Locations and changes shall be done by Contractor in a neat and legible manner and, where applicable, indicated by drawing a "cloud" around the changed or additional information.

2.02 RECORD DRAWING INFORMATION:

- A. Contractor shall record the following information:
- (1) Locations of Work buried under or outside each building, including, without limitation, all utilities, plumbing and electrical lines, and conduits.
 - (2) Actual numbering of each electrical circuit.
 - (3) Locations of significant Work concealed inside each building whose general locations are changed from those shown on the Contract Drawings.
 - (4) Locations of all items, not necessarily concealed, which vary from the Contract Documents.
 - (5) Installed location of all cathodic protection anodes.
 - (6) Deviations from the sizes, locations, and other features of installations shown in the Contract Documents.
 - (7) Locations of underground work, points of connection with existing utilities, changes in direction, valves, manholes, catch basins, capped stubouts, invert elevations, etc.
 - (8) Sufficient information to locate Work concealed in each building with reasonable ease and accuracy. In some instances, this may be by dimension, in others, it may be in relation to the spaces in the building near which it was installed.
- B. Contractor shall provide additional drawings as necessary for clarification.
- C. Contractor shall provide reproducible record drawings, made from final Shop Drawings marked "No Exceptions Taken" or "Approved as Noted."

PART 3 - RECORD SPECIFICATIONS

3.01 GENERAL:

- A. Contractor shall mark each section legibly to record manufacturer, trade name, catalog number, and supplier of each Product and item of equipment actually installed.

PART 4 - MAINTENANCE OF RECORD DOCUMENTS

4.01 GENERAL

- A. Contractor shall store Record Documents apart from documents used for construction:
 - (1) Provide files and racks for storage of Record Documents.
 - (2) Maintain Record Documents in a clean, dry, legible condition and in good order.
- B. Do not use Record Documents for construction purposes.

END OF DOCUMENT