**CONSTRUCTION**

**MANAGEMENT**

**MASTER SPECIFICATIONS**

**DIVISION 1**

**(Construction)**

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| **ISSUE HISTORY** |
| **Issue** | **Date** | **Pages Affected** | **Comments** |
| 003 | 01/03/05 | 4 | 1.2.D.12 and 1.2.F.2 |
| 004 | 03/10/05 | All | General change. |
| 005 | 04/21/05 | All | General change. |
| 006 | 07/06/05 | 3 | 1.1.D |
| 007 | 02/22/06 | 2-4 | 1.1.B.5, 1.1.D, 1.2.A, 1.2.A.2, 1.2.A.3, 1.2.C, delete 1.2.C.1, delete 1.2.D, 1.2.C.3, 1.2.C.10 |
| 008 | 6/07 | all | Incorporates construction requirements from 01010, 01200, 01250, 01041, 01050, 01600, 01030, 01509, 01710 key personnel requirements from safety (01561), environ, and construction. Substantially deleted specific requirements for Contractor employees’ individual responsibilities (safety and superintendent), temporary fence and how to install posts for it, survey. Description of temp facilities, access from multiple sections of DIV 1 incorporated here and deleted elsewhere. Reduces work release to 1 process. Deletes all text relative to CNS Pantex rights, penalties, and definitions already contained in T&Cs.  |
| 009 | 09/16/11 | All | Global changes to clarify Contractor requirements. |
| 010 | 04/14 | 5 | System Engineering needs to be included in the coordination meeting. |
| 011 | 08/15/15 | 6,7,12,16  | 1. Discuss use of PX-6109 “(U) Construction Project Walk‑Down” during pre-con and other meetings / walk downs. 2. Formalize Projects Construction Daily Jobsite Briefings AHA usage. |
| 012 | 05/04/17 | 2, 5 | Add escort and waste stream requirements |
| 013/U-58570 | 04/20/18 | 7,8 | Add safety requirements specific to load lifts and moves |
| 014/U-60550 |  | 5,6,7,8,9,10,11,12,14 | General Update, to align current practice and Enterprise manuals for SCM and STR |

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| **Level of Use: Reference** |

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# Acronyms List

AHA Activity Hazard Analysis

ASTM American Society for Testing and Materials

CMP Construction Management Plan

CUI Controlled Unclassified Information

DFOW Definable Feature of Work

HVAC Heating Ventilation and Air Conditioning

LA Limited Area

MAA Material Access Area

NOA Notice of Award

PA Protected Area

QA Quality Assurance

RPBA Reduced Pressure Backflow Assembly

STR Subcontract Technical Representative

TCEQ Texas Commission of Environmental Quality

SECTION 01200 ‑ CONSTRUCTION

1. Project Duration

**[EDITOR: Insert the number of calendar days allowed to complete the contract.]**

* 1. The duration of this project shall be as indicated in SECTION E - TERM OF AGREEMENT
1. Site Availability And Working Hours
	1. The Contractor shall have access to the construction site during regular workdays, Monday - Thursday for dayshift and Monday – Friday swing shift. Any work on Fridays, weekends, or observed holidays shall be requested per 2.3 below, availability will be limited. Regular days and work hours are subject to change based on contract requirements.
	2. Access to Pantex is via the contractor entrance , which is open from 6:00 am to 4:00 pm Regular working hours are between the hours of [6:00a.m. and 5:30 p.m. for Day shift Monday-Thursday], [4:15 p.m. and 12:15 a.m. for Swing shift].
	3. The Contractor shall request SPO support and plant/facility access from the Subcontract Technical Representative (STR)/Logistics Coordinator (806-477-3777) by 12 p.m. on Tuesday for the following week’s work locations.
2. Security
	1. Uncleared subcontractor personnel shall be escorted by an authorized escort at all times while working in the Limited Area (LA), Protected Area (PA) and Material Access Area (MAA).
	2. Uncleared subcontractor shall obey instructions and directions provided by the escort.
	3. Uncleared subcontractor personnel will not be given access to any classified information.
	4. Documents for this project, either provided to or generated by the subcontractor, may NOT be discarded in your business or home trash receptacles.
	5. All Information provided to or generated by the subcontractor (classified and/or unclassified) must be returned to Pantex and destroyed in the appropriate Pantex waste stream.
	6. Documents must be returned to the Pantex Projects Management Organization for disposition.
	7. Classified or Controlled Unclassified Information (CUI) will only be given to uncleared subcontractor personnel that are US citizens that have a need to know to perform work.
3. Deliveries
	1. The Contractor shall coordinate all deliveries with the STR and assure that the Logistics Coordinator is notified at least 1 business day prior to the delivery.
	2. The Contractor is responsible for verifying that the delivery company has a driver with a Pantex Construction badge or shall complete a PX-2707A.
	3. Materials or supplies that are being delivered to the Contractor by a third party shall have a delivery invoice including the Contractor’s name and the location of the construction or storage area.
4. Meeting
	1. The Contractor shall attend a Pre-Construction Meeting prior to the start of work.
	2. Before construction activities begin, it will be the Contractor’s responsibility to hold a coordination meeting with the CNS Pantex STR, Contract Administrator, Project Manager, Quality Assurance (QA) Representative, Construction Safety Representative and Project Engineer. (If the project involves a Safety Class System, the Contractor must include System Engineering in the coordination meeting).
5. The meeting shall cover the Contractor’s processes to assure the required levels of quality are met and documented, refer to DIV-01400 – Quality Assurance. This meeting discussion will include the forms for recording inspections, control activities, inspection and hold points, and testing. Minutes of the meeting shall be prepared by the Contractor and approved by both the Contractor and CNS Pantex.
	1. The Contractor shall attend progress meetings, as requested by CNS Pantex.
6. Construction Management Plan
	1. The Contractor shall develop, submit for approval, and implement a construction management plan (CMP). The CMP shall cover the controls in place regarding Safety, Security and Quality and indicate that any laydown or storage area on Pantex is included within these controls. The CMP shall also include the following:
7. Organization Chart, depicting roles, responsibilities and the relationships of the Key Personnel, field organization and the corporate structure. For each position, indicate the percentage of time that will be spent at the project site.
8. “Key Personnel” are those who can directly influence the outcome of the project or hold leadership positions that are directly involved in the execution of a project.
	* 1. The Contractor shall include the resume(s) of site Superintendent(s). The Superintendent shall have at least 5 years of experience as a Superintendent for work of similar size and complexity. The Superintendent is responsible for representing the Contractor at Site locations and will be an empowered and authorized representative of the Contractor.
9. Should the contractor find it necessary to change the Superintendent, approval should be requested in writing and upon approval documented in a revised submittal of the CMP. A formal project turnover meeting should be held by the contractor to include the incoming/outgoing superintendents, Project Manager, and project safety and quality representatives. Pantex attendees should include the STR, Quality, Safety and Project Manager representatives. Documentation consisting of a meeting roster and notes shall be submitted by the subcontractor to the STR.
10. The names and telephone numbers for the Contractor’s points of contact including emergency and after-hour contacts.
11. Subcontracting section that lists all subcontractors and key suppliers.
12. Material Storage and Protection section that describes how and where the Contractor shall store, protect, control and track construction materials.
13. Construction Configuration Control, including procedures for assuring that the work is performed in accordance with the contract documents and maintaining approved changes and as-built information.
14. The Contractor shall provide a temporary facilities and construction section that includes proposed layout of temporary office space, staging/storage, new access roads or points, temporary fencing and proposed utility tie-in methods for CNS Pantex approval prior to mobilization. The section shall also address the following requirements:
15. Laydown Area:
	* + - * The CMP should identify the location and area for any requested material laydown area on Pantex property, including details noted above.
				* There are a number of existing laydown areas (yards/lots) in Zone 10 of the Pantex Plant. The lots may be available for use, upon request and approval. Should the Contractor request use of an available lot, submit a PX-5865 to the STR who will present to the Zone 10 Area Manager.
				* If the use of a Laydown area in Zone 10 is approved, the Contractor shall inspect and record the condition of the Laydown location on the PX-5865 prior to agreement.
				* If the contractor plans to make any modifications to the laydown area, written approval is required from CNS through the STR.
				* Material should be neatly and properly stored, no protruding potential hazards, and stored material does not obstruct access into the area or any buildings within the area.
				* Material and equipment stored must be only that required for the associated contract/project. Material must be clearly identified and be staged /stored in accordance with all safety, quality and environmental requirements. Loose material shall be secured to protect it from wind and weather risks.
				* Be responsible for vegetation, trash and debris control within the laydown area.
				* The Contractor shall mount a durable sign on the fence near the main gate of the laydown yard. The company name shall be in letters at least 3 inches high. Below the company name shall be at least one (1) point of contact telephone number.
				* Anchor all temporary structures to prevent toppling during high winds.
				* Participate in monthly inspections and shall correct any deficiencies by specified due dates.
				* Shall remove all equipment, materials and any temporary structures from the laydown area once the project is complete or upon notification from the Zone 10 Area/Facility Manager or designee through the STR/CA.
16. Field Office Space:
	* + - * The Contractor may establish a field office at either the (if assigned) Zone 10 laydown area or at the site laydown area, if approved.
				* Stairways shall be provided by the contractor for job site offices and storage trailers. Stairways shall meet the requirements specified in 29 CFR 1926 Subpart X. Stairways shall not have loose or broken boards, protruding nails, or damaged handrails.
				* Office trailers shall be anchored to prevent toppling during high winds.
				* The Contractor is responsible for upkeep, maintenance and housekeeping of the field office space. Office trailers requiring electrical service shall be pre-inspected by Pantex to verify code compliance prior to use.
				* The Contractor may be required to vacate the laydown area upon direction from CNS Pantex for any reason, including failure to maintain the laydown area as prescribed above. Any equipment or materials abandoned, and any damage or degradation of the laydown area may affect the Contractor’s final payment.
17. Temporary fencing:
	* + - * The Contractor shall be responsible for installing, supplying, repairing and maintaining temporary fences, including those require to secure/segregate the laydown area(s).
				* Temporary fencing established at a construction jobsite shall be stable and durable. Fencing and gates shall be grounded.
18. Contractor Daily Construction Logs
	1. The Contractor shall complete a daily log of work activities, using the CNS Pantex form (PX-4785).
	2. The Contractor shall provide the STR with a copy of each daily work log by close of business the following day. The Contractor, within two workdays, shall correct errors, conflicts and misinterpretations as indicated by the STR.
19. Construction Utilities
	1. Utilities
		1. Communication – Telephone line availability is limited for laydown areas. Should any connected communication lines be available, the cost is the responsibility of the Contractor.
		2. Power – The Contractor shall submit, in writing, a request to access Pantex power. If available and approved, the Contractor shall:
			1. The Contractor shall furnish, install, and maintain all taps, lines and extensions to existing distribution systems.
			2. The Contractor shall plan the lockout / tagout process in accordance with AHA requirements to safely perform any connections to existing power sources.
			3. The Contractor shall comply with all applicable electrical codes and Pantex Electrical Safety inspection requirements prior to energization.
		3. Construction Water
			1. The Contractor shall obtain clearance through the STR from the Pantex Fire Department to access a low pressure (Green Top) fire hydrant to fill the contractor supplied water transport. Blue Top, high pressure fire hydrants, are not approved for Contractor connections.
			2. The Contractor is responsible for supplying and using an approved hydrant wrench and a fire hydrant hose bib. The hydrant hose bib shall be equipped with a correctly sized valve and approved Reduced Pressure Backflow Assembly (RPBA). The RPBA shall have proof of current inspection by a Texas Commission of Environmental Quality (TCEQ) licensed RPBA inspector. An alternate to the RPBA is to maintain an air gap between the domestic water system and the unit being filled. Hydrants SHALL be OPENED 3 – 4 Rounds every 40 Seconds until FULLY OPEN and CLOSED 2 (TWO) Rounds every 60 Seconds until FULLY CLOSED to prevent water hammer.
		4. Drinking Water - Contractor is responsible for supplying drinking water and ice for all employees and sub-tiers.
		5. Sanitary Waste - Contractor is responsible for requesting approval for connection to any available sanitary sewer or installation of septic systems.
		6. Portable Toilets - Contractor is responsible for providing and maintaining portable toilets at the work location for all employees and sub-tiers. Each portable toilet trailer will have an up to date vehicle tag.
		7. All vehicles and heavy equipment stationed at a laydown yard shall have an approved 2.5 lb. fire extinguisher securely mounted inside and easy to access. Any vehicle without a fire extinguisher shall not be allowed to be operated while on plant site.
20. Concrete Batch Plant
	1. The contractor has the option of purchasing concrete or establishing a Batch Plant when concrete is required.
	2. The Contractor shall assure that the concrete supplier is in conformance with American Society for Testing and Materials (ASTM) 94/C 94M and meets all quality requirements of the contract.
	3. The contractor shall submit, in writing, a Batch Plant plan that outlines the setup, maintenance and removal of a new Batch Plant. Once the plan is approved, the contractor shall:
		1. Obtain authorization to operate a Batch Plant from the TCEQ and submit a copy of all permits or authorizations to the CNS Pantex before installing the Batch Plant.
		2. Remove the Batch Plant and restore the site to original condition within 30 days after completion of the project.
		3. Confirm that the concrete supplier is in conformance with ASTM 94/C 94M Requirements.
21. Survey
	1. Surveying shall be performed by a professional land surveyor registered in the State of Texas.
	2. The Contractor shall maintain a complete and accurate log of all control and survey work.
	3. On completion of foundation walls and major site improvements, the Contractor shall prepare a certified survey showing all geographic projections/datum’s utilized in survey, dimensions, locations, angles and elevations of construction.
22. References
	1. Governing Documents

<https://pxweb.uad.pxplant.com/RMS/ReqFlowdown.jsp?docno=DIV-01200>

* 1. Authorizing Documents

DIR-0001, “Roles and Responsibilities for the Management and Operation of Pantex Plant”

* 1. Related Documents

29 CFR 1926 Subpart X, “Stairways and Ladders”

* 1. Forms
1. Generated Forms
* PX-2707A, “Access Request for Construction Contractors”
* PX-4785, “Contractor Daily Construction Log”
* PX-5865, “Request for Lot/Area”
1. Related Forms

None

* 1. Records

PX-2707A, “Access Request for Construction Contractors”, R\_024515

PX-4785, “Contractor Daily Construction Log”, R\_024301

PX-5865, “Request for Lot/Area”, R\_024344

* 1. Exhibits

PX-2707A, “Access Request for Construction Contractors”

PX-4785, “Contractor Daily Construction Log”

PX-5865, “Request for Lot/Area”

END OF SECTION 01200

**EXHIBIT 1**

**PX-2707A “Access Request for Construction Contractors”**

***USE THE MOST CURRENT ISSUE IN PDM Link***

**EXHIBIT 2**

**PX-4785 “Contractor Daily Construction Log”**

***USE THE MOST CURRENT ISSUE IN PDM Link***

**EXHIBIT 3**

**PX-5865 “Request for Lot/Area”**

***USE THE MOST CURRENT ISSUE IN PDM Link***