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Project Completion Report

CAMBRIA COMMUNITY SERVICES DISTRICT
EMERGENCY WATER SUPPLY
CALIFORNIA DEPARTMENT OF WATER RESOURCES
GRANT AGREEEMENT NO. 4600010880

May 6, 2016

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Cambria Community Services District
Grant Agreement # 4600010880
Project 3 – Emergency Water Supply
Project Completion Report

1 EXECUTIVE SUMMARY

For water year 2013/2014, the total rainfall in the Cambria community was approximately 80 percent of the minimum rainfall needed to fully recharge the two coastal stream aquifers that are the sole water supply for Cambria community. The State of California recognized the severity of the situation, which included an early December 26, 2013 notice from the California Department of Public Health to all water systems to develop contingency plans, including *"The development and use of emergency sources of supply…"* The severe drought condition had placed the water supply for the Cambria community in jeopardy. Consequently, on January 30, 2014, the Cambria Community Services District (CCSD) Board of Directors (i) declared a Stage 3 Water Shortage Emergency, the most stringent of three water shortage levels; (ii) approved the development and completion of an emergency brackish water supply project off of the lower San Simeon Creek aquifer; and (iii) declared that approval to be statutorily exempt from CEQA under CEQA's emergency provisions. CDM Smith was retained to prepare a geo-hydrological model to support environmental and design needs to allow for completion of the Project. CDM Smith's study was used in design to guide the locations of facilities and operating criteria, which allowed the project to be configured so as to avoid or mitigate potential impacts to the nearby San Simeon and Van Gordon Creeks and downstream lagoon areas, and to avoid impacts to important species, including south-central steelhead ESU, the endangered tidewater goby, and the California red legged frog.

In response to the severe drought emergency, and in combination with very stringent water conservation measures, the CCSD developed its Emergency Water Supply Project to construct and operate emergency water supply facilities at the District's existing San Simeon Well Field and Effluent Percolation Ponds property. The Emergency Water Supply Project was built to treat brackish water from an existing groundwater well located between the CCSD's treated wastewater effluent percolation ponds. The source water from that well consists of a mixture of percolated treated wastewater, creek underflow, as well as dilute seawater from an underlying saltwater wedge.

The project's advanced water treatment process and injection well system was designed and constructed to meet the State of California's Title 22 requirements for the indirect potable reuse of recycled water. The three essential levels of water treatment provided included microfiltration, reverse osmosis, and advanced oxidation. The project's product water is piped and injected into the groundwater aquifer at the CCSD's San Simeon potable well field. After being injected, the water travels at least 60 days before being withdrawn by CCSD's existing potable groundwater wells. The project can provide up to 250 acre feet of injected water over a dry season when operated 24 hours per day, 7 days per week.

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Key project components include the advanced water treatment plant (AWTP), a modified basin for the evaporation of concentrate from the reverse osmosis process, interconnecting pipelines, monitoring wells, a re-injection well, as well as a lagoon water discharge. The lagoon water discharge provides protection of habitat within the San Simeon Creek lagoon by maintaining the surface water levels while the system is in operation. In addition to the lagoon discharge, the CCSD commissioned the completion of an Adaptive Management Plan, which monitors the nearby riparian habitat, and allows for adjustments to be made based on input received from biological monitors.

Project construction began in earnest on May 20, 2014 following the CCSD Board's January 30, 2014 direction and authorization. A master consulting services agreement was entered into, which was tied to subsequent tasks order authorizations as various tasks supporting the project's permitting, design, construction, and operation were prioritized and identified. A design-build contract was also entered into for the project's final design and construction. The project work was completed in conformance with an emergency coastal development permit issued to the CCSD by San Luis Obispo County, as well as permits issued by the Central Coast Regional Water Quality Control Board. Work was substantially completed by mid-November 2014, which was followed by testing. Initial production began on January 22, 2015. The need for a minor change to the lagoon water discharge was identified following startup, which was completed during January 2016. A notice of completion was filed with the San Luis Obispo County Clerk's office on February 29, 2016.

1.1 WORK PROPOSED IN THE GRANT APPLICATION

The work proposed to be done in the Integrated Regional Water Management (IRWM) Implementation Grant application included construction of the following:

- An injection well and monitoring well in advance of conducting a tracer study.
- An Advanced Water Treatment Plant (AWTP). The AWTP was designed to meet the State's Title 22 requirements for indirect potable reuse of recycled water. Specific components include a modular microfilter, two, 2-stage reverse osmosis units, a third stage reverse osmosis unit, chemical feed facilities, pumps and intermediate storage tanks, an ultraviolet advanced oxidation treatment unit, final product water storage tank and supply pumping to the re-injection well, and supporting electrical and instrumentation.
- Modification of an existing wastewater storage basin into an evaporation basin for the holding and evaporation of reverse osmosis reject water. To meet title 27 permitting requirements, this basin was designed with triple-layer lining with intermediate monitoring between the liners, as well as up-gradient and down-gradient groundwater monitoring wells. Mechanical evaporators were designed to further accelerate the natural evaporation rate. A supporting control building with a weather station was included to control when the mechanical evaporators could operate.
- Construction of inter-connecting pipelines. This work was to include:
    - Installation of approximately 1,600 feet of 8-inch diameters piping from the AWTP to the re-injection well.

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  - Installation approximately 1,600 feet of 4-inch diameter piping from the AWTP to a surfaced discharge structure near the head of the San Simeon Creek lagoon.
  - Installation of approximately 1,500 feet of 4-inch diameter piping from the third stage reverse osmosis unit to the evaporation pond.

In addition to the aforementioned project features, the work plan identified the supporting activities required to complete these tasks, including administrative activities, labor compliance monitoring and reporting, coordination with the San Luis Obispo County Flood Control and Water Conservation District, (including quarterly progress reporting), preliminary engineering, design, environmental documentation, and permitting.

1.2 DESCRIPTION OF ACTUAL WORK COMPLETED

The project was designed to be rapidly constructed to address the ongoing severe drought conditions. To accomplish this, offsite work that would require obtaining property rights was avoided. Therefore, the entire project was designed to fit onto the existing CCSD-owned property.

Another key design feature was to re-use and repurpose as much of the existing CCSD infrastructure as possible. This was the case with the evaporation basin, which had originally been used as a treated wastewater storage basin since the early 1980s. The project's extraction well was also pre-existing, with its work being limited to installing a new pump within an existing casing.

The AWTP relied upon the use of pre-fabricated shipping containers to the fullest extent possible. This allowed for detailed equipment, piping, electrical, and instrumentation to be pre-installed offsite within each container by the equipment supplier. The pre-assembled process equipment was then delivered to the job site on flatbed trucks, for offloading and placement by a crane.

Because of the biological, archeological, and potential for cultural resource discoveries, the interconnecting pipelines were designed to minimize ground disturbance. Biological, archeological, and Native American monitors were on site during earth disturbing activities. Minimizing earth disturbing activities was facilitated by using PVC "YeloMine" pipe, which could be hand placed along the ground surface, as well as fused polyethylene pipe, which could be similarly laid along the ground surface.

The following discussion further describes key project construction activities.

1.2.1 Installation of the Monitoring Well and Re-Injection Well

The early project construction activities included installation of the monitoring well and re-injection well within the CCSD's potable well field. Besides being incorporated into the final project, this work also supported a follow up tracer study, which was required to support Title 22 permitting. The initial project construction activity was completed via a task order under the master consulting services agreement between the CCSD and CDM Smith. The monitoring well was installed during the week of May 19, 2014 by National Well Drilling using a rotary sonic drill rig. This well is located between the re-injection well and existing potable wells.

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During the week of May 26, 2014 the project's re-injection well was installed by National Well Drilling. This well was installed using a rotary mud drilling rig. As with the monitoring well, this initial project work was completed via a task order authorization under the master consulting services agreement between the CCSD and CDM Smith.

Monitoring Well Installation

Re-injection Well Installation

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1.2.2 Mobilization and Clearing and Grubbing

Mobilization onto the project site by CDM Constructors Inc. (CCI), the primary design-build contractor, occurred during the week of August 25, 2014. Sansome Construction served as one of CCI's larger subcontractors, installing much of the civil/site work. Initial efforts focused on clearing and grubbing the former wastewater storage basin, which had been out of service for several years and was overgrown with small brush and weeds. The old basin was not lined, whereas the Title 27 permit for the evaporation pond required a triple liner system. Therefore the pond surfaces had to be prepared for installation of the initial liner system.

Initial Clearing & Grubbing at Evaporation Pond

1.2.3 Advanced Water Treatment Plant, Initial Site Work

The advanced water treatment plant (AWTP) site was over-excavated and re-compacted to prevent the equipment from settling. Following re-compaction, forms were set for the supporting concrete slabs that were placed below each shipping container, transfer tanks, and outdoor mounted equipment (transfer pumps and the advanced oxidation, ultraviolet treatment unit).

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Re-compaction at the AWTP Site

Excavation into Re-compacted Area for Shipping Container Support

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Forms Set for Shipping Container Support

1.2.4 Advanced Water Treatment Plant – Equipment Delivery and Placement

Initial preparations for major equipment pre-purchasing began via a task order under the CCSD - CDM Smith master consulting services agreement. These initial tasks included contacting various suppliers, negotiating costs, developing equipment purchasing agreements, and initiating shop drawings. The final purchase of the equipment occurred under the design-build contract with CCI. The earliest equipment to arrive on site was the advanced oxidation ultraviolet unit, which arrived during the week of September 22, 2014. The shipping container mounted equipment arrived on site during the middle of October 2014. The containerized units consisted of three reverse osmosis containers (two with 2-stage RO, one for the 3rd stage of RO), the micro-filter container, a chemical feed pumping container, and the control room container.

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Shipping container unit In process of being set into position

Shipping container set into position

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View of Completed AWTP

1.2.5 Evaporation Basin

The project included modifying an existing treated wastewater effluent holding basin into a Title 27-compliant evaporation basin to store and evaporate concentrate from the third-stage reverse osmosis treatment unit. The pond modifications included adding a triple liner system with leakage detection after each liner. There were also groundwater monitoring wells installed up-gradient and down gradient from the modified basin. Changes encountered during construction of the evaporation basin included the addition of a four-foot deep gopher barrier around the entire perimeter, as a resident population of gophers populated the old holding basin when it was out of service. The contractor also installed a frog fence around the entire basin following input received during a multi-agency project review meeting that had occurred during late August of 2014.

The basin lining system consisted of an initial geo-synthetic clay liner placed over a prepared subgrade. The clay liner was followed by a 60-mil thick, high density polyethylene (HDPE) intermediate liner. A second 60-mil thick liner was then placed as the final interface with the stored water. Texturing of the HDPE between the liners allows for the passage of water, which is for purposes of detecting any leakage. The liner installation was completed by International Lining Technology, with independent monitoring by Geo-Logic Associates. A report entitled, “Final Construction Quality Assurance Report, Brine Evaporation Pond Improvements,” was completed by Geo-Logic, which contains additional details.

To reduce the concentrate disposal requirements, the project was designed with three stages of reverse osmosis, which obtains a 92 percent recovery rate. Thus, only 8% of the water entering the RO process is lost as concentrate to the evaporation pond, which results in a concentrate flow rate of about 39 gallons per minute. The existing storage basin has a fixed surface area of approximately 3.5 acres, which was deemed to be insufficient for natural evaporation to meet the needs of a 24-hour per day, seven-day per week operation over the entire dry season. Therefore, five mechanical evaporators were designed into the project to accelerate the natural evaporation process.

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The mechanical evaporators are very similar to snow making machines used at ski resorts. They each have a ring of spray nozzles that spray finely misted water in front of a large fan. Supply to the spray nozzles is provided by submersible pumps located and tethered to floats within the evaporation basin. There is one submersible pump dedicated to each mechanical evaporator, with a flexible hose used to convey water from the basin to the machine. The finely misted water from each evaporator discharge is directed over the basin during operation.

A control building is part of the evaporation pond installation, which includes a weather station. Inputs from the weather station control when the mechanical evaporators can operate. For example, if the wind is too high, the evaporators cannot run to prevent mist from escaping the confines of the pond liner. Similarly, if the wind is blowing towards the campground to the west of the basin, the evaporators cannot operate.

During equipment testing, it was discovered that some back-drafting was occurring due in part to the sound enclosures placed around each mechanical evaporator. This was rectified by placing a concrete slab around the evaporators to capture and return mist that was settling in between the evaporators back into the basin.

Exposed basin liner close up showing clay liner (white) covered by two 60-mil thick HDPE liners

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Mechanical Evaporator Sound Enclosures being installed

1.2.6 Interconnecting Pipelines

The project included installation of interconnecting pipelines from the AWTP to the re-injection well, from the AWTP to the evaporation basin, and from the AWTP to near the head of the San Simeon Creek lagoon. During construction, it was determined that the original planned location for lagoon water discharge would be too far away from the head of the lagoon area to be most effective. Therefore, a change was developed to the lagoon water pipeline that routed its discharge to a surface discharge structure located outside of the tree drip line at the upper end of the lagoon. This change included horizontal directional drilling to install a reach of the pipeline under the Van Gordon Creek to avoid potential environmental impacts with the riparian corridor. To further optimize the proposed pipeline alignments, the RO concentrate discharge pipeline to the evaporation pond was also changed to allow for it to also be installed in the same general creek crossing location also using horizontal directional drilling. Revising the proposed concentrate discharge pipe alignment had the added advantage of further avoiding an area of known archeological significance.

1.2.6.1 Pipeline from AWTP to Re-injection well.

The treated product water pipeline from the AWTP to the re-injection well consisted of 1,700 feet of 8-inch diameter “YelowMine” PVC piping. The YeloMine pipe contains UV inhibiters and a restrained flexible joint system, which facilitated it being laid along the ground surface, thus avoiding the need to trench this entire reach.

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YeloMine Pipe between AWTP and Re-injection Well

1.2.6.2 Pipeline from AWTP to Evaporation Basin

The RO concentrate pipeline from the AWTP to the evaporation pond consisted of 1,200 feet of double contained, fused high density polyethylene pipe. The installed system consisted of an inner 4-inch diameter carrier pipeline, and an outer 10-inch diameter containment pipeline. The pipeline was installed in a trench from the AWTP to the Van Gordon Creek crossing. At Van Gordon Creek, it was installed using horizontal directional drilling. After crossing under the creek, the dual-pipe system was laid on the ground surface from the Van Gordon Creek crossing to its discharge at the evaporation basin.

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HDPE Pipeline between AWTP and Evaporation Basin

1.2.6.3 Pipeline from AWTP to Lagoon

The lagoon water pipeline consisted of 1,300 feet of 4-inch diameter fused high density polyethylene piping. This pipeline was installed in a trench from the AWTP to the Van Gordon Creek crossing location. It was then installed under the creek using horizontal directional drilling. After crossing under the creek, it was continued above ground until reaching a surface discharge structure at a location just outside of the tree drip line near the head of the upper San Simeon Creek lagoon. A short reach was buried in the proximity of the discharge structure to allow its discharge to occur under the discharge structure to create a gentle sheet flow.

During construction, and to provide future operational flexibility by allowing for blending with reverse osmosis treated water, an interconnection was added to the originally designed lagoon water supply at the AWTP. This connection allowed operators the ability to blend in RO-treated water in with the supply's normal micro-filtered water. This change was initiated to allow future operations to blend the water being sent to the lagoon to meet existing, as well future potential changes to the discharge's required water quality criteria. (This was precipitated in part due to preliminary discussions with Central Coast RWQCB staff on their work in progress towards completing a draft TMDL report.) Unfortunately, the RO treated blending water contained a slight chlorine residual, which was not discovered until testing of the valve-off blending water connection. This resulted in a change that added a de-chlorination step to the RO-treated blending water prior to being introduced into the lagoon water pipeline. This change also included the addition of an inline venturi aerator to the RO –treated blending

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water to add dissolved oxygen. The lagoon water change order work was the last item to be completed on the project, which was completed during the second week of January 2016.

Lagoon Water Discharge Structure Outside of Tree Drip Line at Upper San Simeon Creek lagoon

1.3 PERFORMANCE MONITORING

The completed project is subject to meeting comprehensive permit conditions developed and issued by the Central Coast Regional Water Quality Board, which include those developed by the Division of Drinking Water (formerly within the California Department of Public Health). Key permits include:

- Order R3-2014-0050 (Title 22 Permit and associated Monitoring & Reporting Program) – Waste Discharge Requirements and Water Recycling Requirements
- Order R3-2014-0047 (Title 27 Permit for Class II Surface Impoundment [I.e., evaporation basin], and associated Monitoring and Reporting Program)
- Monitoring and Reporting Program No. R3-2011-0223, as modified December 8, 2014, for Discharges with Low Threat to Water Quality – General Permit No. CAG993001

In addition to the monitoring and reporting required of by the State, the project has also completed and incorporated an Operation, Maintenance, and Monitoring Plan (OMMP) document, which further describes the new facility’s performance monitoring.

1.3.1 Water Supply Benefits

The completed project allows for the production of potable water from a brackish water source, while improving water use efficiency, improving local groundwater quality, and protecting the downstream

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habitat. The project is capable of producing up to 250 acre-feet of water during the course of a dry season when operated continuously. By operating the new facilities during the late summer and early fall months, the project also protects the CCSD from creating a negative hydraulic gradient between its effluent percolation pond area and its up-gradient potable well field. This important feature avoids the need to waste valuable groundwater within the vicinity of the percolation basins by having to pump down the mounded water under percolation ponds into a creek discharge, which would then be lost to the ocean. Such pumping of the mounded water would also lower the groundwater table at the production wells at a critically low time period prior to the arrival of seasonal rainfall. Therefore, the CCSD is now able to maintain more groundwater storage later into the dry season and early fall months than it would otherwise be able to without the project. This is accomplished by treating the project's extracted water within the vicinity of the percolation basins, treating it to potable water quality, and repurposing it for potable water reuse by injecting it back into the San Simeon Creek aquifer further upstream, and near the CCSD's existing potable groundwater wells.

1.3.2 Water Quality/Salt management Benefits

The project's reverse osmosis treatment stage removes salts from the groundwater, which are concentrated and disposed of in the evaporation basin. In doing so, the project is reducing salts, as well as nitrate concentrations, within the local groundwater. This feature was further affirmed during an April 2015 presentation by the Regional Water Quality Control Board in Cambria on the Water Board's draft Total Maximum Daily Load (TMDL) report on the San Simeon Creek watershed.

1.3.3 Riparian Habitat Protection

While in operation, the new project facilities are capable of providing 100 gallons per minute (gpm) of fresh water into the upper end of the San Simeon Creek lagoon. This occurs when there is no flow in the creek, as the creek has a long-standing history of running dry (subterranean) during the summer dry season, as well as during more prolonged drought periods. The 100 gpm lagoon water serves to maintain surface water levels within the downstream lagoon. It also provides a source of fresh water into an otherwise stagnant end of the upper lagoon. Although further confirming data is still needed, some have observed that the upper lagoon appears clearer and less eutrophic when lagoon water is being introduced by the project.

In addition to the introduction of water into the lagoon, the CCSD commissioned the completion of an Adaptive Management Plan, which is being followed to further provide protection of the nearby and down-gradient riparian habitat. This includes biological monitoring, which is used as inputs to make any necessary operational adjustments to further avoid impacts.

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2 REPORTS AND/OR PRODUCTS

2.1 TECHNICAL REPORTS

Key technical reports associated with evaluation of the project have been previously submitted. These reports include the following:

- Cambria Emergency Water Supply, Title 22 Engineering Report, Revised Final, October 2014, by CDM Smith
- Cambria Emergency Water Supply Project, Title 27 Report of Waste Discharge, Final, October 20, 2014, by CDM Smith
- Operations, Maintenance and Monitoring Plan for the Cambria Emergency Water Supply Project, Revised Final, January 6, 2015, by CDM Smith
- Cambria Emergency Water Supply Project, Adaptive Management Plan, March 2015, by RBF Consulting
- Project Monitoring Plan, Project 3: Cambria Community Services District (CCSD) Emergency Water Supply Project, submitted November 2015, by R. Gresens, Cambria CSD

Most recently, the following report was submitted to the Water Board, which reports on the operation and performance of the Emergency Water Supply Project during calendar year 2015.

- 2015 Annual Title 22 Permit Report to the Central Coast Regional Water Quality Control Board, submitted on April 20, 2015, a joint effort by CDM Smith and CCSD Water Department staff. (Due to its large file size, an electronic link to an ftp download site is being provided with the transmittal cover of this project completion report.)

The project's performance during calendar year 2015 is summarized as follows:

2.1.1 Water Supply

Between January 1, 2015 and December 31, 2015, the plant was on-line for 112 days. The plant was off-line from April 18, 2015 to September 20, 2015. Fall startup occurred on September 20 and September 21, 2015. During this two day period, all flows were returned to the percolation ponds, and not to the project's injection well. Product water discharge into the recycled water injection well (RIW) resumed on September 22, 2015.

Over the entire calendar year 2015, the project produced 69 acre-feet of final product water, which was injected into the San Simeon Creek aquifer while operating approximately 8 hours per day during the 112 days of operation. From review of plant operational data by the CCSD water department, the average rate of injection was approximately 480 gallons per minute. When the facility is in operation, the CCSD potable wells (Wells SS-1 and/or SS-2) can produce water at a maximum production rate of 400 gpm. This 400 gpm well production rate over an 8-hour period equates to 0.589 acre-ft. If extrapolated to a maximum potential production rate for a 24-hour per day operation, the 0.589 acre-

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feet would be tripled to 1.768 acre-feet per day. From past studies, the CCSD determined that an average dry season duration is approximately 184 days. If one were to apply the average dry season period of 184 days to the maximum production rate of 1.768 acre feet per day, the total maximum production from the CCSD's wells SS-1 and/or SS-2 during the emergency water supply project's operation would be approximately 325 acre feet. This is greater than the 240 to 250 acre-feet goal cited in the grant agreement. However, not all of the injected water may be recovered by wells SS-1 and SS-2. According to the project's geo-hydrologist, up to 40 percent of the water injected could either be lost to the creek underflow, or potentially make its way back to the brackish water extraction well. Therefore, another check on performance occurs by using 60 percent of the facility's injection rate of 480 gpm, and extrapolating that over a 184-day dry period. This later approach results in a net production of 234 acre-feet over a 184-day dry season. Assuming a 40 percent loss on injected water would also result in the 240 acre-feet production goal being obtained over a 189-day dry-period as opposed to an average 184-day dry period. Depending on the percent of injected water making its way into the potable wells, the production over an average 184-day dry season would be in the range 234 to 325 acre feet. Because the facility can be run past 184-days as needed, it is reasonable to assume the project is capable of meeting the stated performance goal of 240 to 250 acre-feet over a six-month dry period if it were to be operated continuously.

2.1.2 Water Quality

During its operation in 2015, the AWTP met Federal and State requirements for drinking water. However, because the project's Title 22 permit maximum for nitrate (2.3 mg/l NO_3-N) is much less than that allowed for drinking water (10.0 mg/l NO_3-N), there were permit violations (ranging in concentration from 4 to 6 mg/l NO3-N) on nitrate, which occurred during March and April of 2015. There is a great deal of analytical data to sort through in assessing performance, so to simplify performance review, the following table was created that focuses on the project's nitrate removal, which was the main problem area that occurred during 2015. From this table, nitrate reduction by treatment in the AWTP achieved reductions ranging from 33% to 46%. Although the March and April product water concentrations exceeded the Title 22 permit limit, it does show the AWTP brought the influent levels well below the current drinking water standard of 10 mg/l. This also provides support of meeting the performance goal for improving water quality.

In response to the nitrate exceedance in March and April of 2015, the CCSD shut down the facility and focused on improving nitrate removal at its wastewater treatment plant. This was achieved through measures installed by the CCSD plant operators to simulate recommendations made within an earlier 10% design report, including the recirculation of mixed liquor within the plants aeration basins, and the creation of an anoxic zone at the head of the aeration basins. As a result, the nitrates in the plant effluent were much lower during late 2015 than during early 2015. Following restart of the emergency water supply facilities during the late summer/fall of 2015, the nitrate concentrations of the product water have been well below the 10mg/l drinking water standard, and lower than the much more restrictive 2.3 mg/l Title 22 permit limit.

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Summary of Nitrate Reduction by Advanced Water Treatment Plant

2015 Month	*Average NO3-N Influent Mg/l*	*Average NO3-N Product Water out Mg/l*	*Percent Reduction Of NO3-N by AWTP*
January	0.6	0.4	33%
February	2.2	1.3	41%
March	10.2	5.5	46%
April	10.6	5.8	45%
May	Not Operated	Not Operated	N/A
June	Not Operated	Not Operated	N/A
July	Not Operated	Not Operated	N/A
August	Not Operated	Not Operated	N/A
September	0.97	0.69	29%
November	No Data	0.65	Insufficient Data
December	No Data	0.66	Insufficient Data

2.2 AS-BUILT DRAWINGS AND GEODETIC SURVEY INFORMATION

Attachment A contains record drawings for the completed project. Sheets G-02 and C-01 include geodetic survey information.

2.3 SELF-CERTIFICATION OF MEETING PROJECT GOAL

Attachment B contains a self-certification statement attesting to meeting the project goal.

2.4 PROJECT PHOTOS

Attachment C contains the project's daily construction reports, which include project construction photos.

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2.5 PROJECT SCHEDULE

A final project schedule showing the actual versus planned is shown in the table below.

	Planned		*Actual*	
Task	*Start Date*	*End Date*	*Start Date*	*End Date*
1 Project Management	*1/13/2014*	*1/27/2015*	*1/13/2014*	*6/1/2016*[1]
2 Labor Compliance Program	*8/1/2014*	*11/14/2014*	*8/1/2014*	*2/29/2016*[2]
3 Reporting	*5/1/2015*	*11/27/2015*	*5/1/2015*	*6/1/2016*
4 Preliminary Engineering	*1/13/2014*	*12/9/2014*	*1/13/2014*	*10/1/2014*
5 Design	*4/21/2014*	*7/25/2014*	*4/21/2014*	*7/25/2014*
6 Environmental Documentation	*8/4/2014*	*9/12/2014*	*8/4/2014*	*9/12/2014*
7 Permitting	*2/7/2014*	*7/1/2015*	*2/7/2014*	*12/08/2014*
8 Project Monitoring Plan	*2/7/2014*	*7/1/2015*	*2/7/2014*	*6/1/2016*
9 Construction Contracting	*7/1/2014*	*8/7/2014*	*7/1/2014*	*8/7/2014*
10 Construction & Implementation	*8/22/2014*	*7/24/2015*	*8/22/2014*	*2/29/2016*
11 Environmental Compliance	*1/19/2015*	*6/30/2015*	*5/15/2014*	*6/1/2016*[3]
12 Construction Administration	*8/8/2014*	*7/23/2015*	*8/8/2014*	*2/29/2016*

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[1] The 6/1/2016 date is estimated, and was chosen to estimate the final Proposition 84 grant payment request processing.

[2] 2/29/2016 matches the date that the CCSD filed its Notice of Completion with the San Luis Obispo County District Clerk's office.

[3] The Project's Adaptive Management Plan is ongoing and remains in effect because it was designed to coincide with operation of the new facilities.

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3 COSTS AND DISPOSITION OF FUNDS INFORMATION

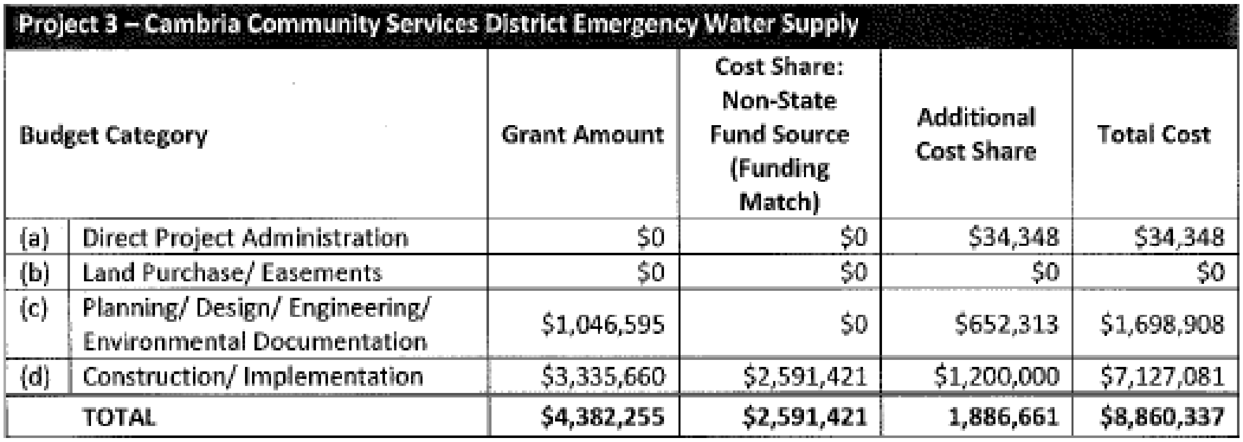
3.1 INVOICES SUBMITTED TO THE STATE

There has been only one invoice submitted to the State during completion of the project. A final invoice requesting release of the remaining 5-percent of the project's grant allocation will follow this report.

Invoice #	**Date Submitted**	**Invoice Amount**	**Date Check Received**	**Check Amount**
Project Invoice 1 (SLO County Invoice 2)	12/2/2015	$4,163,142.25	12/17/2015	$4,163,142.25

3.2 FINANCIAL SUMMARY

The total project cost per the original grant agreement (Grant Agreement No. 4600010880, Project 3, page 25) totaled $8,860,337. The line item costs with grant amounts included Budget Category C costs, "Planning/Design/Engineering/Environmental Documentation," and Budget Category D costs, "Construction/Implementation." The Cambria project's original grant agreement budget table is shown below for convenient reference.



Project 3 – Cambria Community Services District Emergency Water Supply

Budget Category		**Grant Amount**	**Cost Share: Non-State Fund Source (Funding Match)**	**Additional Cost Share**	**Total Cost**
(a)	Direct Project Administration	$0	$0	$34,348	$34,348
(b)	Land Purchase/ Easements	$0	$0	$0	$0
(c)	Planning/ Design/ Engineering/ Environmental Documentation	$1,046,595	$0	$652,313	$1,698,908
(d)	Construction/ Implementation	$3,335,660	$2,591,421	$1,200,000	$7,127,081
	TOTAL	**$4,382,255**	**$2,591,421**	**1,886,661**	**$8,860,337**

The CCSD established a separate fund within its accounting program, to allow tracking project revenues and expenses separate and apart from its existing enterprise and general funds. It also obtained a bank loan to allow for payment of the project prior to the receipt of grant funds.

The CCSD more than met its cost share obligation in completing the project under its two primary project completion agreements. The first of those agreements was a master professional services

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agreement with CDM Smith, which had a series of Task Order authorizations. As of the end of March 2016, the CCSD had spent $2,058,407 on task orders associated with Budget Category C costs[4]. The second primary agreement was with CDM Constructors Inc. (CCI) for the construction and implementation of the project. The Category D costs expended by the CCSD on the CCI agreement amounted to $7,366,742, which includes payment for the project's three change orders, as well as earlier retention being withheld from the CCI progress payment requests. When including early project construction costs completed under CDM Smith Task Orders (See footnote below: monitoring well, re-injection well, and equipment pre-purchase costs), the Category D costs totaled $7,787,063. The following table summarizes the CCSD expenditures under the CDM Smith and CCI agreements, which exceed the CCSD's cost share obligation of the grant.

Cost Item	**Amount Spent by CCSD**	**Grant Amount**	**Net Amount Paid By CCSD after deducting grant**
Budget Category C Expenses			
CDM Smith Task Order 1	$174,495		
CDM Smith Task Order 2	$299,601		
CDM Smith Task Order 3[5]	$755,943		
CDM Smith Task Order 4	$499,941		
CDM Smith Task Order 5	$584,607		
Category C Subtotal	$2,314,587	$1,046,595	$1,267,992
Budget Category D Expenses			
CDM Smith Task Order 3 (wells)	$164,141		
CDM Smith Task Order 4 (equipment)	$256,180		
CDM Smith Constructors (CCI)	$6,647,919		
Change Order 1	$511,602		
Change Order 2	$123,953		
Change Order 3	$83,268		
Category D Subtotal	$7,787,063	$3,335,660	$4,451,403
Total Amount, Categories C & D	$10,101,650	$4,382,255	$5,719,395

Besides the aforementioned primary grant Category C & D costs, the CCSD incurred other project related capital and preliminary design costs. These other costs included laboratory analyses to support design and permitting, permitting fees by the Regional Water Quality Control Board, bonds required by the RWQCBs, modifications to the CCSD's existing telemetry, and remote sensing equipment to support

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[4] CDM Smith Task Orders 1 through 5, inclusive. An existing Task Order 6 cost was not included in this total due to it including longer-term assistance to the CCSD, which is associated with producing permitting reports that are required during facility operations. The CDM Smith Task Orders 1 through 5 total cost of $2,478,728 was reduced to not include early construction costs for the project's monitoring and injection wells ($164,141.23 in cost, which was completed as part of CDM Smith Task Order 3); and, $256,179.83 for equipment pre-purchase costs (completed under CDM Smith Task Order 4).

[5] Task Order 3 costs are adjusted to reflect amount spend by CCSD less the monitoring and injection wells (I.e., $920,084 - $164,141, which equals $755,943)

Exhibit 14

operations of the facilities. These costs are not included in the aforementioned cost summary due to several of the items not being grant eligible, several of which apply to facilitating on-going facility operations, and because the CCSD's payments under the CDM Smith and CCI contracts well exceeded the CCSD's local grant share obligation. A full cost accounting of all of the project's capital costs can be found in Attachment D.

3.3 FINAL FUND DISBURSEMENT

See Attachment E, Certification of Separate Accounting of Grant Disbursements for the project, which is signed by a California Registered Civil Engineer.

3.4 SUMMARY OF PROJECT COSTS THAT DEVIATED FROM THE ORIGINAL CONTRACT

The following describes costs that deviated from the original contract, which were associated with the three change orders issued to CCI.

3.4.1 Change Order 1

Change order 1 totaled $511,601.94. Its main cost components are summarized in the following table.

Item Number	Summary Description	Cost $
1	Reroute reverse osmosis concentrate and lagoon water pipelines, increase overlap of evaporation pond liner, and add blending pipeline at advanced water treatment plant.	176,368.38
2	Third party construction quality assurance services for pond liner	69,005.02
3	Add gopher fence around evaporation pond perimeter	39,703.71
4	Add frog fence around evaporation pond perimeter	61,363.12
5	Evaporation pond chain link fence and gate improvements	29,250.45
6	Exterior painting of mechanical evaporators sound enclosures	7,782.74
7	Pump 9P7 replacement and improvements	6,056.39
8	Additional pH analyzers	12,373,14
9	Portable samplers - rental	14,179.78
10	Permanent samplers	44,883.67
11	SCADA System Monitoring	25,275.35
12	Interior Gate Improvements	11,208.53
13	Security Camera System	14,151.66
	Total	511,601.94

These items were added based on discussions with regulatory agencies, to adapt to unforeseen field conditions, and to provide security around the new facilities.

Exhibit 14

3.4.2 Change Order 2

Change Order 2 totaled $123,953, and included the cost components identified in the following table.

Item Number	Summary Description	Cost $
1	Install New San Simeon Creek Groundwater Monitoring Well MW-4	21,762.37
2	Complete Cal-Fire recommendations following 1/120215 inspection; fire storage tank and connector, fire truck turn-around, roadway base, gate access with Knox boxes, & additional signage.	86,080.80
3	SCADA and wiring interface additions to allow incorporating H2O Inc. remote data access service.	12,099.51
4	Complete elevation and location survey on existing and added wells.	4,000.32
	Total	123,953.00

Items 1 and 2 were directly related to regularity agency input. For item 1, a new well was placed further up-gradient from an existing monitoring well that was deemed to be too close to the lagoon water discharge. At the time, there was concern that the close proximity of the project's high quality lagoon water discharge would bias the existing well's water quality samples towards more favorable results. For item 2, modifications were made to improve fire safety, including the installation of a new storage tank for firefighting or other uses by emergency responders.

3.4.3 Change Order 3

Change Order 3 totaled $83,268, which is shown in the table below.

Item Number	Summary Description	Cost $
1	Install de-chlorination and aeration system on the lagoon water supply.	83,268.00
	Total	83,268.00

The need for change order 3 was not identified until after initial startup of the new facilities. Essentially, the CCSD had requested a blending water connection be added to the lagoon water to allow the quality of that discharge to be further improved should water quality requirements change in the future. This earlier blending water connection was added following discussions with RWQCB staff on possible future conditions that could follow completion of a Total Maximum Daily Loading report. Although the blending water added high quality reverse osmosis treated water into the existing lagoon water, it was also found to have slight chlorine residual. Therefore, Change Order 3 added a de-chlorination step to the reverse osmosis treated blending water. As further assurance towards meeting water quality criteria, an in-line venturi-style aerator was also provided as part of this change.

Exhibit 14

The Change Order 3 work was the last construction activity on the project, and was completed during the second week of January 2016.

4 ADDITIONAL INFORMATION

4.1 BENEFITS OF THE PROJECT

Projects benefits include the following:

- Providing critically needed drought relief to the community's residents and businesses.
- The reuse of highly treated wastewater for potable purposes through the integration of water and wastewater systems for the most efficient and sustainable use of Cambria's limited water supply.
- Maximizing the use of existing freshwater resources.
- Providing a new source of fresh water to the San Simeon lagoon to protect habitat.
- Helping to ensure a sufficient water supply in the aquifers during dangerous fire seasons to best protect the health, safety and welfare of the community, as well as the fragile and volatile condition of the Monterey Pine forest surrounding it.
- Preventing seawater intrusion and avoiding inelastic ground subsidence.
- Reducing the salt and nutrient load in the groundwater.
- Ensuring an adequate water supply for existing local commerce, including tourism and other visitor-serving uses.

4.2 PROJECT CERTIFICATION

See Attachment F for the project's certification of completion.

4.3 POST-PERFORMANCE REPORT

The project went into production during January 2015, and is subject to meeting water quality and other conditions approved and adopted by the Central Coast Regional Water Quality Control Board. The post-performance monitoring will utilize data developed and presented in the CCSD's self-monitoring reports, which are required of the Water Board and other agencies. Key operating permits and their reporting requirements are summarized in the following table,

Exhibit 14

Permit	Issuing Agency	Summary Description	Reporting Frequency
Emergency Coastal Development Permit (CDP) ZON2013-00589	San Luis Obispo County	Permit was effective May 15, 2014. Authorized construction and operation of emergency water supply project. Permit is valid until Stage 3 water shortage emergency has ended, or a regular CDP has been approved. (The CCSD is currently completing efforts to obtain a regular CDP).	
Waste Discharge Requirements and Water Recycling Requirements. RWQCB Order No. R3-2014-0050	RWQCB	Permit was effective on November 14, 2014. Also referred to as a Title 22 permit. Permit includes concentration limits on water being re-injected into the San Simeon Creek aquifer. An accompanying Monitoring and Reporting Program No. R3-2014-0050 includes groundwater monitoring requirements.	Start-up Monthly Quarterly Annually 5-year
Waste Discharge Requirements for RO Concentrate Evaporation Pond RWQCB Order No. R3-2014-0047	RWQCB	Permit was effective on November 14, 2014. Also referred to as a Title 27 permit. Describes protective requirements of evaporation pond and related monitoring to prevent ground-water or surface water contamination. An accompanying Monitoring and Reporting Program No. R3-2014-0047 includes groundwater monitoring requirements.	Upon any non-compliance occurrence By January 31st - Annual summary report Annual wet weather preparedness report (by October 1st) By May 10, 2019 – update ROWD By May 10, 2019 – Update report on reasonably foreseeable release
Low Threat Discharge of Water to Lagoon Monitoring and Reporting Program No. R3-2011-0223.	RWQCB	Modified on December 8, 2014. Covers monitoring and reporting of discharge of water to the San Simeon Creek lagoon, which is used to maintain surface water levels. Incorporates by reference a December 9, 2011 Draft Waste Discharge Requirements Order No. R3-2011-0223 (NPDES Permit CAG993001) for Discharges with Low Threat to Water Quality.	Start-up By January 30th – annual self-monitoring report 30-days prior to adding any chemical additives that would change effluent characteristics

To incorporate their findings, the post-performance report format will be developed following the completion of annual or 5-year self-monitoring reports. The report will include the following:

- Time period of the annual report
- Short project description
- Brief discussion of the project benefits to water quality, water supply, and the environment
- Assessment of any explanations for any differences between the expected versus actual project benefits in meeting IRWM priorities or measurements in AF will be provided
- Summary of any additional cost and/or benefits deriving from the project since its completion, if applicable
- Continued reporting on meeting the output indicators in the Project Monitoring Plan
- Additional information relevant to or generated from continued operation of the project

Exhibit 14

Attachment A

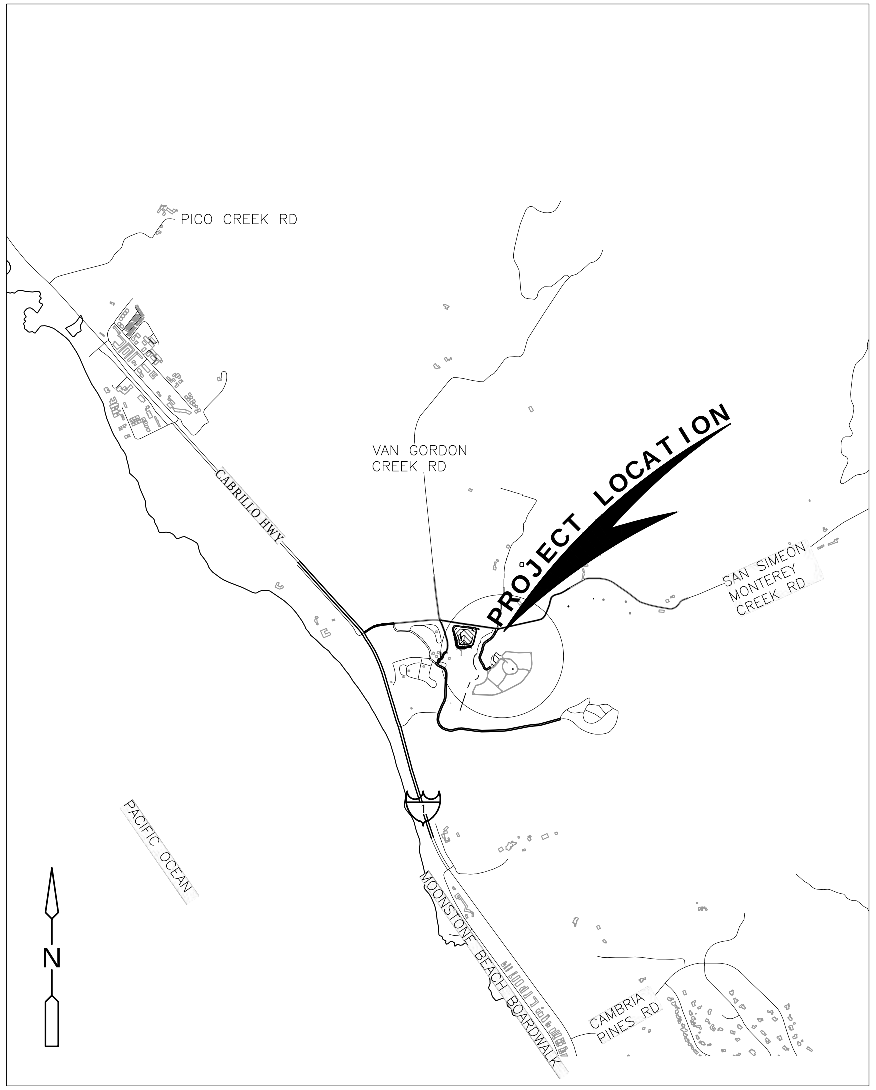
Record Drawings

Exhibit 14

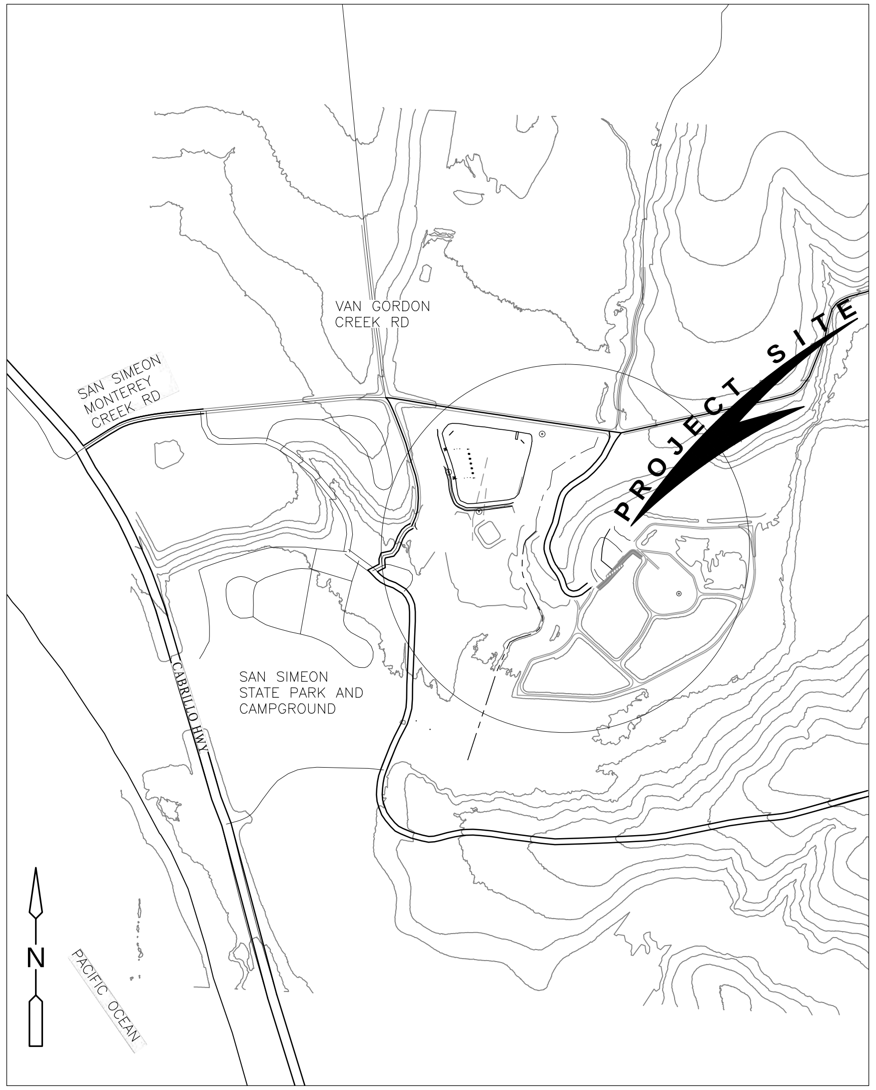
CAMBRIA, CALIFORNIA

EMERGENCY WATER SUPPLY PROJECT

RECORD DRAWING
FEBRUARY 27, 2015



VICINITY MAP



LOCATION MAP

RECORD DRAWING

THIS RECORD DRAWING HAS BEEN PREPARED BASED ON A COMBINATION OF INFORMATION PROVIDED BY OTHERS AND BY CDM SMITH. TO THE BEST OF THE ENGINEER'S BELIEF AND KNOWLEDGE, THE INCLUDED RECORD INFORMATION IS REASONABLY ACCURATE.

By Eun Chu You   Date 2/27/15

CDM Smith

SHEET INDEX

SHT NO.	DWG NO.	SHEET TITLE
1	G-01	TITLE SHEET & SHEET INDEX
2	G-02	GENERAL NOTES & LEGENDS & ABBREVIATIONS
3	P-01	PROCESS FLOW DIAGRAM
4	C-01	OVERALL SITE PLAN
5	C-02	CONVEYANCE PIPING PLAN
6	C-03	AWTP GRADING AND DRAINAGE PLAN
7	C-04	AWTP YARD PIPING PLAN
8	C-05	BRINE EVAPORATION POND PLAN
9	C-06	BRINE EVAPORATION POND SECTIONS AND DETAILS I
10	C-07	BRINE EVAPORATION POND SECTIONS AND DETAILS II
11	C-08	CIVIL DETAILS I
12	C-09	CIVIL DETAILS II
13	C-10	INJECTION WELL DETAIL
14	S-01	AWTP STRUCTURAL GENERAL NOTES
15	S-02	AWTP STRUCTURAL DETAILS
16	E-01	ELECTRICAL NOTES, LEGENDS, AND ABBREVIATIONS 1 OF 2
17	E-02	ELECTRICAL NOTES, LEGENDS, AND ABBREVIATIONS 2 OF 2
18	E-03	ELECTRICAL SINGLE LINE DIAGRAM - AWTP
19	E-04	ELECTRICAL POWER AND CONTROL PLAN - AWTP
20	E-05	ELECTRICAL SINGLE LINE DIAGRAM - EVAPORATION POND
21	E-06	ELECTRICAL POWER AND CONTROL - EVAPORATION POND
22	E-07	ELECTRICAL LIGHTING PANELBOARD AND FIXTURE SCHEDULES
23	E-08	INSTRUMENTATION AND CONTROLS SINGLE LINE DIAGRAM
24	E-09	ELECTRICAL DETAILS 1 OF 2
25	E-10	ELECTRICAL DETAILS 2 OF 2
26	I-01	PROCESS AND INSTRUMETATION LEGENDS, SYMBOLS, AND ABBREVIATION
27	I-02	OVERALL SYSTEM ARCHITECTURE
28	I-03	P&ID - SUPPLY WELL
29	I-04	P&ID - INFLUENT TANK AND MF FEED PUMP
30	I-05	P&ID - MF CONTAINER
31	I-06	P&ID - BREAK/BACKWASH TANK AND MF CIP TANK
32	I-07	P&ID - RO FEED SUPPLY PUMPS AND PRIMARY RO TRAINS 1 AND 2
33	I-08	P&ID - THIRD STAGE RO
34	I-09	P&ID - UV
35	I-10	P&ID - PRODUCT WATER TANK, PUMP STATION AND RIW INJECTION
36	I-11	P&ID - CHEMICAL SYSTEMS
37	I-12	P&ID - BRINE EVAPORATION SYSTEM
H2OI INNOVATION SUPPLY P&IDS		
	O-14024-C01-0290	INFLUENT TANK AND MF FEED PUMP - P&ID
	O-14024-C01-0300	MF STRAINER - P&ID
	O-14024-C01-0310	MICROFILTRATION SKID - P&ID
	O-14024-C01-0360	MF BACKPULSE SYSTEM - P&ID
	O-14024-C01-0370	MF CIP SYSTEM W/ VFD CONTROLLED PUMP - P&ID
	O-14024-C01-0400	RO FEED SUPPLY PUMP SKID - P&ID
	O-14024-C01-0410	PRIMARY RO TRAIN 1 - P&ID
	O-14024-C01-0411	PRIMARY RO TRAIN 2 - P&ID
	O-14024-C01-0420	THIRD STAGE RO BOOSTER PUMP - P&ID
	O-14024-C01-0421	THIRD STAGE RO - P&ID
	O-14024-C01-0470	RO CIP SYSTEM - P&ID
	O-14024-C01-0800-1	MF CLEANING CHEMICALS - P&ID
	O-14024-C01-0800-2	MF CLEANING CHEMICALS - P&ID
	O-14024-C01-0810	BULK CHEMICAL SYSTEMS - P&ID
	O-14024-C01-0950	AIR COMPRESSOR SYSTEM - P&ID
	O-14024-C01-0990	PRODUCT WATER TANK AND PUMP STATION- P&ID
TROJAN SUPPLY P&IDS		
	TYPICAL	P&ID - UV SYSTEM OVERVIEW
	TYPICAL	P&ID - UV
	TYPICAL	P&ID - HYDROGEN PEROXIDE DOSING SYSTEM
H2OI INNOVATION SUPPLY GENERAL ARRANGEMENT DRAWINGS		
		UF GENERAL ARRANGEMENT
		RO TRAIN #1 GENERAL ARRANGEMENT
		RO TRAIN #2 GENERAL ARRANGEMENT
		THIRD STAGE RO GENERAL ARRANGEMENT (NOT INCLUDED IN THIS SET)
		CHEMICAL SYSTEM GENERAL ARRANGEMENT
		CONTROL BUILDING GENERAL ARRANGEMENT
TROJAN SUPPLY GENERAL ARRANGEMENT DRAWINGS		
		UV GENERAL ARRANGEMENT

REV. NO.	DATE	DRWN	CHKD	REMARKS
1	2/27/15	DI	ECY	RECORD DRAWING

DESIGNED BY: E. YOU
DRAWN BY: O. NAHHAS
SHEET CHK'D BY: R. CHALMERS
CROSS CHK'D BY: E. YOU
APPROVED BY: S. NEDIC
DATE: JULY 23, 2014

WARNING
0 1/2" 1"
IF THIS BAR SCALE DOES NOT MEASURE 1" THIS DWG HAS BEEN REDUCED SCALE ACCORDINGLY

CDM Smith
111 Academy Way, Suite 150
Irvine, California 92617
Tel: (949) 752-5452

REGISTERED PROFESSIONAL ENGINEER
EUN CHU YOU
No. C 70014
Exp. 09/30/2014
CIVIL
STATE OF CALIFORNIA

CAMBRIA EMERGENCY
WATER SUPPLY PROJECT
CAMBRIA COMMUNITY SERVICES DISTRICT

TITLE SHEET AND SHEET INDEX

PROJECT NO. 138760–104133
SHEET: 1 OF 37
DRAWING NO.
G-01

XREFs: [CDMS_2234, CAMB–MF–OASite, CAMB–MF–GIS–Road]   Images: []
Last saved by: NAHHASOM Time: 5/20/2014 7:39:55 PM
pw:\\dacpwapp1:PW_XM1\138760\104133\04 Design Services NM_PDR\01 General\10 CADD\G–01.dwg

REUSE OF DOCUMENTS: THESE DOCUMENTS AND DESIGNS PROVIDED BY PROFESSIONAL SERVICE, INCORPORATED HEREIN, ARE THE PROPERTY OF CDM SMITH AND ARE NOT TO BE USED, IN WHOLE OR PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CDM SMITH.

GENERAL CIVIL NOTES

1. THE INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF EXISTING UNDERGROUND UTILITIES IS IN ACCORDANCE WITH LOCATOR MARKINGS, SURVEYS AND AVAILABLE "AS-BUILT" DRAWINGS. THE LOCATIONS ARE NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF UTILITIES AT EXCAVATIONS AND CROSSINGS. THE CONTRACTOR SHALL POTHOLE AS REQUIRED, AND VERIFY DEPTH AND LOCATION OF EXISTING PIPELINES, CULVERTS, AND UTILITIES THAT MAY AFFECT PIPELINE VERTICAL OR HORIZONTAL ALIGNMENT FOR UTILITY CROSSINGS DETERMINED TO HAVE MORE CONSTRUCTABILITY COMPLEXITY.

2. ALL EXISTING UTILITIES SHALL BE PROTECTED IN PLACE. RELOCATION OF EXISTING UTILITIES IS ONLY ALLOWED WHERE SHOWN OR APPROVED BY THE ENGINEER AND UTILITY OWNER.

3. CONTRACTOR TO VERIFY BENCHMARK ELEVATIONS PRIOR TO THE START OF CONSTRUCTION.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MONUMENTATION AND/OR BENCH MARKS WHICH MAY BE DISTURBED OR DESTROYED BY CONSTRUCTION. SUCH POINTS SHALL BE REFERENCED AND REPLACED WITH APPROPRIATE MONUMENTATION BY A LICENSED LAND SURVEYOR OR REGISTERED CIVIL ENGINEER AUTHORIZED TO PRACTICE LAND SURVEYING. A CORNER RECORD OR RECORD OF SURVEY, AS APPROPRIATE, SHALL BE FILED BY THE LICENSED LAND SURVEYOR OR REGISTERED CIVIL ENGINEER AS REQUIRED BY THE LAND SURVEYOR'S ACT.

5. BASIS OF BEARING:

HORIZONTAL DATUM:	NAD 83 (2011) ZONE 5. 2010 EPOCH
VERTICAL DATUM:	NGVD 29
BENCHMARK:	N.G.S. CONTROL POINT FV 2076 ELEVATION: 82.6 (CONVERTED FROM PUBLISHED NAVD 88 ELEVATION OF 85.3')

CONTROL POINTS:

PT#	NORTHING	EASTING	ELEVATION
501	2417957.06	5635066.16	17.67'
502	2418156.89	5634441.44	51.24'
503	2418382.38	5634430.46	58.95'
510	2418885.91	5634630.63	53.54'
514	2419734.25	5636285.00	45.39'
516	2418987.41	5633702.59	65.77'
519	2417367.34	5633736.26	17.09'
600	2417685.04	5632422.80	24.88'
604	2421108.55	5629967.85	82.56'

BOUNDARY INFORMATION SHOWN HERE ON IS BASE ON RECORD DATA.

6. CONTRACTOR SHALL FIELD LOCATE NEW UTILITIES AND EXISTING UTILITIES EXPOSED DURING CONSTRUCTION.

7. ALL SURFACE FEATURES REMOVED OR DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED IN KIND UNLESS DIRECTED OTHERWISE BY THE ENGINEER. ALL PAVEMENT MARKING DAMAGED OR REMOVED BY TRENCHING SHALL BE REPAIRED.

8. THE CONTRACTOR SHALL DESIGN, CONSTRUCT AND MAINTAIN ALL SAFETY DEVICES, INCLUDING SHORING AND SHALL BE SOLELY RESPONSIBLE FOR CONFORMING TO ALL LOCAL, STATE, AND FEDERAL SAFETY AND HEALTH STANDARDS, LAWS AND REGULATIONS.

9. CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.

10. MATERIAL QUANTITIES LISTED IN THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL DEVELOP SCHEDULE OF VALUES SHOWING HIS OWN MATERIAL AND WORK EFFORT TAKEOFF FOR THE PURPOSES OF THE CONSTRUCTION OF PROPOSED IMPROVEMENTS.

11. THE CONTRACTOR SHALL CONTACT "UNDERGROUND SERVICE ALERT" (USA) AT 1-800-422-4133 FOR FIELD LOCATION OF UTILITIES AT LEAST 48 HOURS PRIOR TO THE START OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING USA, UTILITY OWNERS, THE OWNER, AND REVIEWING EXISTING DOCUMENTS ON THE CONSTRUCTION OF THE OWNERS FACILITY TO DETERMINE THE LOCATION OF ALL UTILITIES AND OTHER INFRASTRUCTURE WITHIN THE AREAS OF PROPOSED IMPROVEMENTS AND CONSTRUCTION OPERATIONS.

12. THE CONTRACTOR SHALL NOT DISTURB ANY PROPERTY OUTSIDE THE CONSTRUCTION LIMITS SHOWN ON THE DRAWINGS.

13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL STORM WATER, SILT AND EROSION CONTROL DURING ALL PHASES OF CONSTRUCTION AND SHALL BE RESPONSIBLE FOR OBTAINING ALL ASSOCIATED CONSTRUCTION PERMITS.

14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND DISPOSAL OF ALL EXCESS EXCAVATED MATERIAL, SOILS, AND DEMOLITION DEBRIS TO AN OFF-SITE LOCATION AT NO ADDITIONAL CHARGE TO THE AGENCY. EXCAVATED SOIL USED FOR TRENCH BACK FILLING SHALL BE TEMPORARILY STOCKPILED AND SHALL NOT CONTAIN CONSTRUCTION DEBRIS, ROCK OR OTHER DELETERIOUS SUBSTANCES. CONTAMINATED SOIL SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE.

15. EXCEPT AS MODIFIED BY THE CONTRACT DOCUMENTS, ALL WORK SHALL BE IN ACCORDANCE WITH ALL LOCAL, COUNTY AND STATE REQUIREMENTS. THE CONTRACTOR SHALL HAVE A COPY OF ALL COUNTY AND APPLICABLE STANDARD SPECIFICATIONS AND DRAWINGS AT THE WORK SITE AT ALL TIMES.

16. SEE INDIVIDUAL SHEETS FOR ADDITIONAL ABBREVIATIONS, SYMBOLS, LEGENDS, DETAILS AND NOTES, IF ANY. NOT ALL "STANDARD" ITEMS SHOWN MAY BE APPLICABLE TO THIS PROJECT.

17. THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF OSHA AND STATE REGULATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT EXISTING THRUST BLOCKS DURING CONSTRUCTION. EXISTING THRUST BLOCKS SHALL NOT BE UNDERMINED.

18. CONTRACTOR SHALL MAINTAIN ACCESS ON ALL PAVED AND UNPAVED ROADS.

19. ALL OPENINGS INTO THE PIPELINE SHALL BE SECURELY PLUGGED AT THE END OF EACH WORK DAY.

20. PIPE DELIVERED TO THE SITE SHALL BE PROTECTED BY THE CONTRACTOR FROM DAMAGE OR CONTAMINATION PRIOR TO PLACING IN TRENCH.

Exhibit 14

GENERAL VALVE NOTES

1. ADJUST ALL VALVE BOXES TO FINISHED GRADE UNLESS OTHERWISE SHOWN OR DIRECTED. ALL VALVE BOXES IN ROADWAYS SHALL BE TRAFFIC RATED.

2. LOCATIONS OF ISOLATION VALVES, BLOWOFFS, AIR VALVES AND FIRE HYDRANTS MAY NOT BE SHOWN IN EXACT LOCATION ON PLANS FOR CLARITY. LOCATE VALVES PER ASSOCIATED DETAILS AND FIELD CONDITIONS. PROVIDE COORDINATE LOCATIONS ON AS-BUILT DRAWINGS.

GENERAL NOTES

1. THE CONTRACTOR SHALL COMPLY WITH ALL ENVIRONMENTAL AND THIRD PARTY PERMITS AS REQUIRED BY THE WORK.

2. ALL BURIED PIPING SHALL BE DESIGNED AS FULLY-RESTRAINED SYSTEMS VIA REACTION BACKING (THRUST BLOCKS) OR RESTRAINED JOINTS. RESTRAINT SYSTEMS SHALL ALLOW COMPLETE PIPING SYSTEM DISASSEMBLY WITHOUT DESTRUCTIVE MEASURES. ALL PLUGS, CAPS, TEES AND BENDS IN BURIED PRESSURE PIPING SYSTEMS SHALL BE ANCHORED BY MEANS OF REACTION BACKING OR RESTRAINED JOINTS.

3. POTABLE WATER PIPING SYSTEMS SHALL BE FLUSHED AND DISINFECTED IN ACCORDANCE WITH AWWA C651.

4. BURIED VALVES SHALL BE THE SAME AS EXPOSED, UNLESS OTHERWISE SPECIFIED. ALL BURIED VALVES SHALL BE PROVIDED WITH EXTENSION STEM AND VALVE BOX, AND SHALL BE COATED WITH A PETROLATUM BASED MASTIC OR WAX BASED WRAPPING TAPE; COATING BY CARBOLINE, DENSO, OR TRENTON THAT USES A PRIMER PASTE WITH TAPE.

5. NOT ALL PIPE FITTINGS OR APPURTENANCES MAY BE CALLED OUT OR SHOWN BUT ARE REQUIRED TO BE PROVIDED BY THE CONTRACTOR TO PROVIDE A COMPLETE PIPING SYSTEM.

6. CONNECTIONS BETWEEN DIFFERENT PIPE CLASSES SHALL BE MADE WITH A CONNECTION RATED FOR THE HIGHER PRESSURE CLASS.

7. HORIZONTAL AND VERTICAL DEFLECTIONS OF THE PIPE SHALL BE OBTAINED BY BENDING OF THE PIPE OR DEFLECTION OF JOINTS, FABRICATED FITTINGS, OR A COMBINATION OF BOTH. JOINT DEFLECTIONS SHALL BE LIMITED TO 75% OF THE MANUFACTURER'S MAXIMUM ALLOWABLE DEFLECTION UNLESS APPROVED BY THE ENGINEER.

GENERAL MECHANICAL NOTES

1. FOR DATA NOT SHOWN ON PIPE LAYOUT DRAWINGS, THE APPROPRIATE P&ID'S SHALL GOVERN.

2. EQUIPMENT ANCHORAGE SHALL BE DESIGNED BY THE EQUIPMENT SUPPLIER WITH SET AND LEVELING DONE BY THE CONTRACTOR. AFTER SETTING ALL BASE PLATES SHALL BE GROUTED PER MANUFACTURERS RECOMMENDATIONS.

3. DIELECTRIC COUPLINGS, INSULATING FLANGES AND FLANGE KITS, OR UNIONS SHALL BE INSTALLED AT ALL CONNECTIONS OF ALL DISSIMILAR TYPES OF PIPES AND MATERIALS.

4. PIPES SHALL SLOPE UNIFORMLY (OR BE STRAIGHT) BETWEEN CENTERLINES AND/ OR INVERT ELEVATIONS SHOWN.

5. ALL PIPING ADJACENT TO EQUIPMENT, FITTINGS, VALVES, COUPLINGS, INSTRUMENT DEVICES AND OTHER APPURTENANCES SHALL BE PROPERLY SUPPORTED AND/OR ANCHORED ACCORDING TO ALL MANUFACTURER'S RECOMMENDATIONS.

6. WHEN PIPE SUPPORTS ARE NOT PLASTIC COATED, SHIELDED OR LINED, ALL PVC, COPPER AND SS PIPING SHALL BE WRAPPED AT SUPPORT POINTS WITH 70 MILS TEFLON OR PVC TAPE.

CHEMICAL TUBING AND CONTAINMENT MATERIALS

Chemical	Abbreviation	Concentration	Carrier Tubing Material	Containment Pipe Material
Aqua Ammonia	AA	19%	PP	PVC
Sodium Hypochlorite	SHC	12.50%	PP	PVC
Antiscalant	ASC	100%	PP	PVC
Sulfuric Acid	SA	93%	PTFE	PVC
Calcium Chloride	CC	34.70%	PP	PVC
Sodium Hydroxide	SH	25%	PP	PVC
Hydrogen Peroxide	HPO	27.50%	PTFE	PVC
Citric Acid	CA	50%	PP	PVC

RECORD DRAWING

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By Eun Chu You Date 2/27/15

CDM Smith

REV. NO.	DATE	DRWN	CHKD	REMARKS
1	2/27/15	DI	ECY	RECORD DRAWING

DESIGNED BY: C. LINDSEY
DRAWN BY: O. NAHHAS
SHEET CHK'D BY: R. CHALMERS
CROSS CHK'D BY: E. YOU
APPROVED BY: S. NEDIC
DATE: JULY 23, 2014

WARNING
0 1/2" 1"
IF THIS BAR SCALE DOES NOT MEASURE 1" THIS DWG HAS BEEN REDUCED SCALE ACCORDINGLY

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EUN CHU YOU
No. C 70014
Exp. 09/30/2014
CIVIL

CAMBRIA EMERGENCY WATER SUPPLY PROJECT
CAMBRIA COMMUNITY SERVICES DISTRICT

GENERAL NOTES, LEGENDS &ABBREVIATIONS

PROJECT NO. 138760-104133
SHEET: 2 OF 37
DRAWING NO.
G-02

XREFs: [CDMS_2234, CAMB-MF-OASite, CAMB-MF-GIS-Road] Images: []
Last saved by: NAHHASOM Time: 5/20/2014 7:39:55 PM
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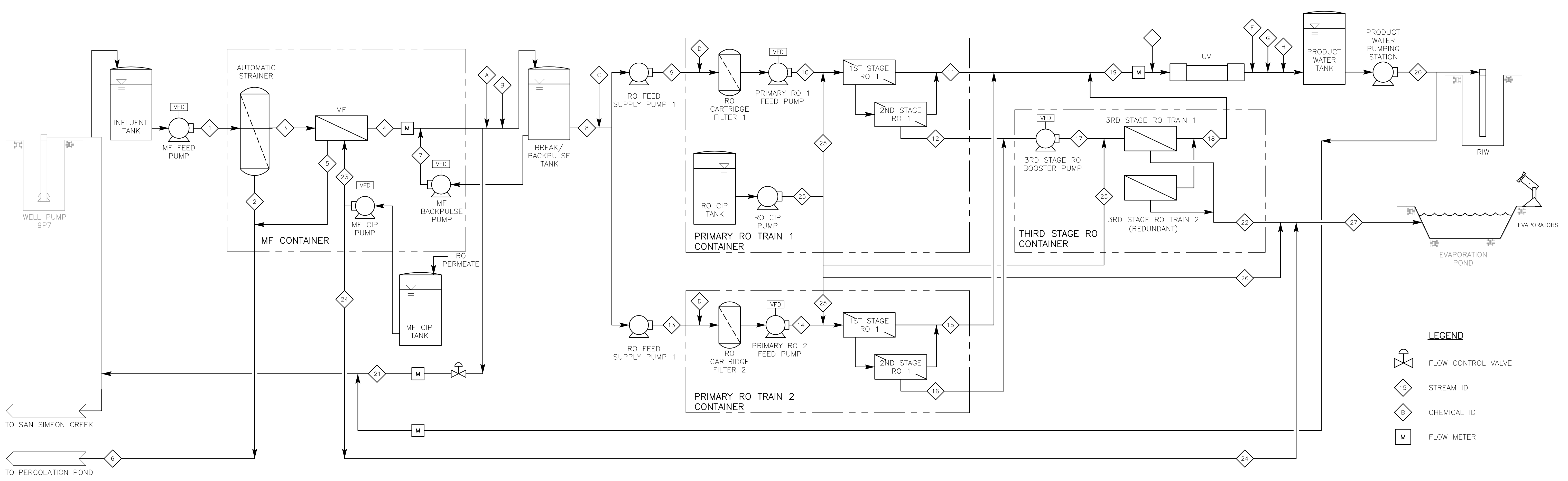
Exhibit 14



FLOW BALANCE

AUTOMATIC STRAINER RECOVERY	99%
MF RECOVERY	95%
PRIMARYRO RECOVERY	83%
THIRD STAGE RO RECOVERY	53%
OVERALL RO RECOVERY	92%

FLOW STREAM	**AWTP FEED**	**AUTOMATIC STRAINER WASTE**	**MF FEED**	**MF FILTRATE**	**MF BACKWASH WASTE (NOTE 1)**	**MF AND AUTOMATIC STRAINER COMBINED WASTE**	**MF BACKWASH FEED (NOTE 1)**	**TOTAL RO FEED**	**PRIMARY RO 1 FEED SUPPLY**	**PRIMARY RO 1 FEED**	**PRIMARY RO 1 PERMEATE**	**PRIMARY RO 1 CONCENTRATE**	**PRIMARY RO 2 FEED SUPPLY**	**PRIMARY RO 2 FEED**	**PRIMARY RO 2 PERMEATE**	**PRIMARY RO 2 CONCENTRATE**	**THIRD STAGE RO FEED**	**THIRD STAGE RO PERMEATE**	**COMBINED RO PERMEATE/ UV FEED**	**PRODUCT WATER TO RECHARGE INJECTION WELL (RIW)**	**MF FILTRATE TO SAN SIMEON CREEK LAGOON**	**THIRD STAGE RO CONCENTRATE**	**MF CIP FEED (NOTE 1)**	**MF CIP WASTE (NOTE 1)**	**RO CIP FEED (NOTE 1)**	**RO CIP WASTE (NOTE 1)**	**EVAPORATION POND INFLUENT**
FLOW STREAM ID	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**
Average flow (GPM)	629	6	623	592	31	37	31	492	245	246	204	42	246	246	204	42	84	44	452	452	100	39	0.34	0.34	0.01	001	40
Maximum Flow (GPM)	753	20	733	696	1,606	1,626	1,606	502	251	251	208	43	251	251	208	43	85	45	462	462	100	40	780	468	200	200	468
Design Pressure (psi)	40	5	30	5	5	5	30	6	30	150	15	104	30	150	15	104	156	15	15	30	30	20	30	20	45	20	20
TDS (mg/l)	1,374	1,374	1,374	1,374	1,374	1,374	1,374	1,374	1,365	1,365	107	7,485	1,365	1,365	107	7,485	7,485	1,517	245	245	1,374	14,246	-	-	-	-	-

CHEMICAL	**AQUEOUS AMMONIA**	**SODIUM HYPOCHLORITE**	**SULFURIC ACID**	**THRESHOLD INHIBITOR**	**HYDROGEN PEROXIDE**	**SODIUM HYPOCHLORITE**	**CALCIUM CHLORIDE**	**SODIUM HYDROXIDE**
CHEMICAL STREAM ID	A	B	C	D	E	F	G	H
Bulk Chemical Concentration	19%	12.5%	93%	100%	25%	12.5%	34.7%	25%
Chemial Dose, Avg	1.0 mg/L	4.0 mg/L	30 mg/L	2.0 mg/L	3.0 mg/L	15 mg/L	30 mg/L	33 mg/L
DosingRate, Avg	5.7 gpd	25 gpd	14 gpd	0.6 gpd	7.7 gpd	69 gpd	49 gpd	74 gpd

NOTES

1. INTERMITTENT FLOW.
2. ALL CHEMICAL DOSING SKIDS EXCEPT THRESHOLDINHIBITOR WILL BE INSTALLED IN CHEMICAL CONTAINER (NOT SHOWN). THRESHOLD INHIBITOR DOSING SKIDS WILL BE INSTALLED IN PRIMARY RO TRAIN 1AND PRIMARY RO TRAIN 2 CONTAINERS.
3. RO FLOW CONDITIONS ARE BASED ON AN AVERAGE MEMBRANE AGE OF 3 YEARS.

RECORD DRAWING

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By Eun Chu You Date 2/27/15

CDM Smith

REV. NO.	DATE	DRWN	CHKD	REMARKS
4	2/27/15	DI	ECY	RECORD DRAWING
3	10/6/14			REVISED PER RWQCB COMMENTS
2	9/9/14			REVISED TO CHANGE LOCATION OF FLOW SPLIT TO SAN SIMEON CREEK LAGOON
1	9/5/14			REVISED TO UPDATE FLOWS

DESIGNED BY: E. YOU
DRAWN BY: O. NAHHAS
SHEET CHK'D BY: R. CHALMERS
CROSS CHK'D BY:
APPROVED BY: G. CUMMINGS
DATE: MAY 4, 2016

WARNING
0 1/2" 1"
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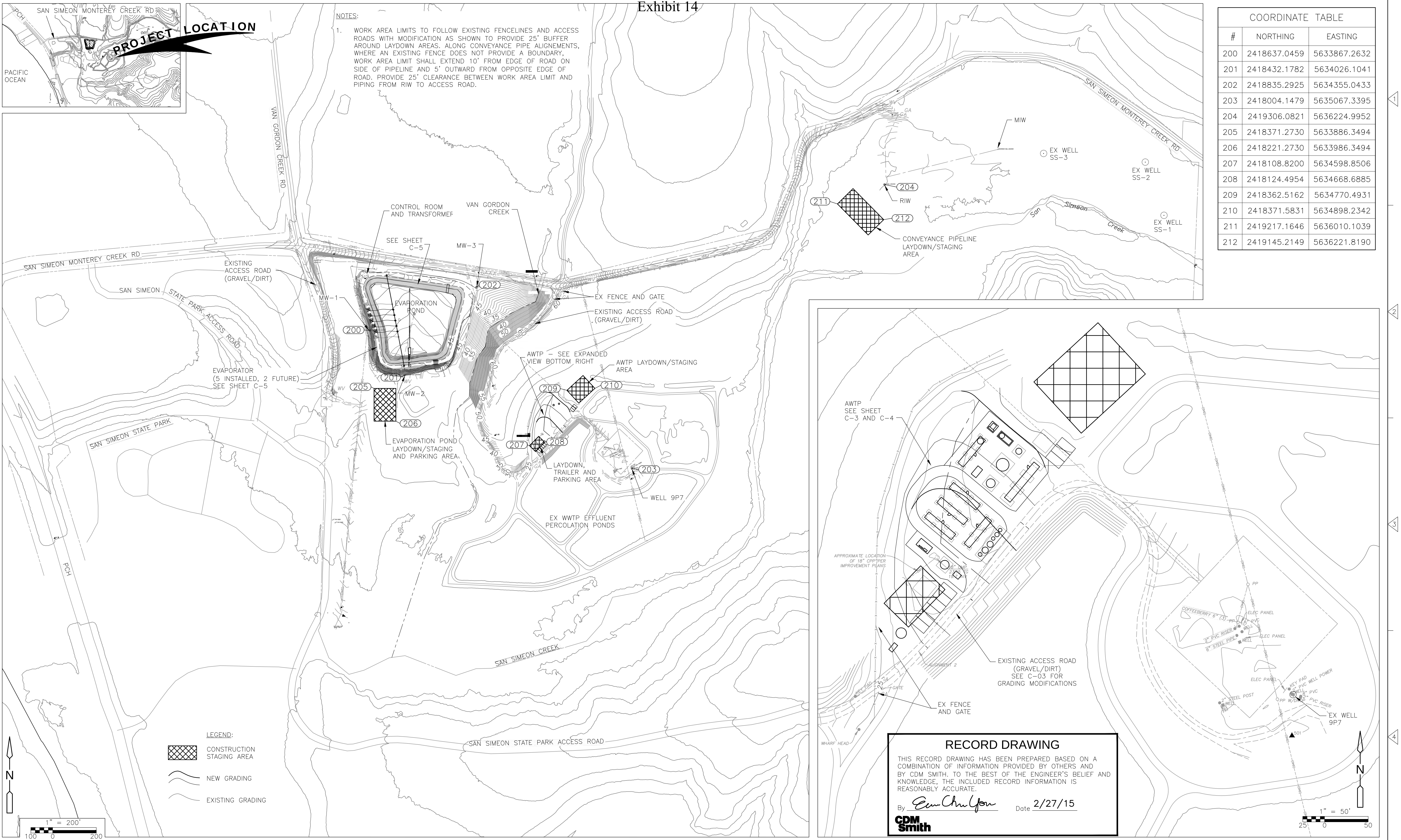
CAMBRIA EMERGENCY WATER SUPPLY PROJECT
CAMBRIA COMMUNITY SERVICES DISTRICT

PROCESS FLOW DIAGRAM

PROJECT NO. 138760–104133
SHEET: 3 OF 37
DRAWING NO.
P-01

Exhibit 14



NOTES:

1. WORK AREA LIMITS TO FOLLOW EXISTING FENCELINES AND ACCESS ROADS WITH MODIFICATION AS SHOWN TO PROVIDE 25' BUFFER AROUND LAYDOWN AREAS. ALONG CONVEYANCE PIPE ALIGNEMENTS, WHERE AN EXISTING FENCE DOES NOT PROVIDE A BOUNDARY, WORK AREA LIMIT SHALL EXTEND 10' FROM EDGE OF ROAD ON SIDE OF PIPELINE AND 5' OUTWARD FROM OPPOSITE EDGE OF ROAD. PROVIDE 25' CLEARANCE BETWEEN WORK AREA LIMIT AND PIPING FROM RIW TO ACCESS ROAD.

COORDINATE TABLE

#	NORTHING	EASTING
200	2418637.0459	5633867.2632
201	2418432.1782	5634026.1041
202	2418835.2925	5634355.0433
203	2418004.1479	5635067.3395
204	2419306.0821	5636224.9952
205	2418371.2730	5633886.3494
206	2418221.2730	5633986.3494
207	2418108.8200	5634598.8506
208	2418124.4954	5634668.6885
209	2418362.5162	5634770.4931
210	2418371.5831	5634898.2342
211	2419217.1646	5636010.1039
212	2419145.2149	5636221.8190

LEGEND:

▩	CONSTRUCTION STAGING AREA
〰	NEW GRADING
〰	EXISTING GRADING

RECORD DRAWING

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By Eun Chu You Date 2/27/15

CDM Smith

REV. NO.	DATE	DRWN	CHKD	REMARKS
1	2/27/15	DI	ECY	RECORD DRAWING

DESIGNED BY: C. LINDSEY
DRAWN BY: O. NAHHAS
SHEET CHK'D BY: R. CHALMERS
CROSS CHK'D BY: E. YOU
APPROVED BY: S. NEDIC
DATE: JULY 23, 2014

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Christopher K. Lindsey
C72807
Exp. 6/30/16

CAMBRIA EMERGENCY
WATER SUPPLY PROJECT
CAMBRIA COMMUNITY SERVICES DISTRICT

OVERALL SITE PLAN

PROJECT NO. 138760-104133
SHEET: 4 OF 37
DRAWING NO.
C-01

XREFs: [CAMB-MF-OASite, CAMB-MF-GIS-Road, CDMS_2234] Images: []
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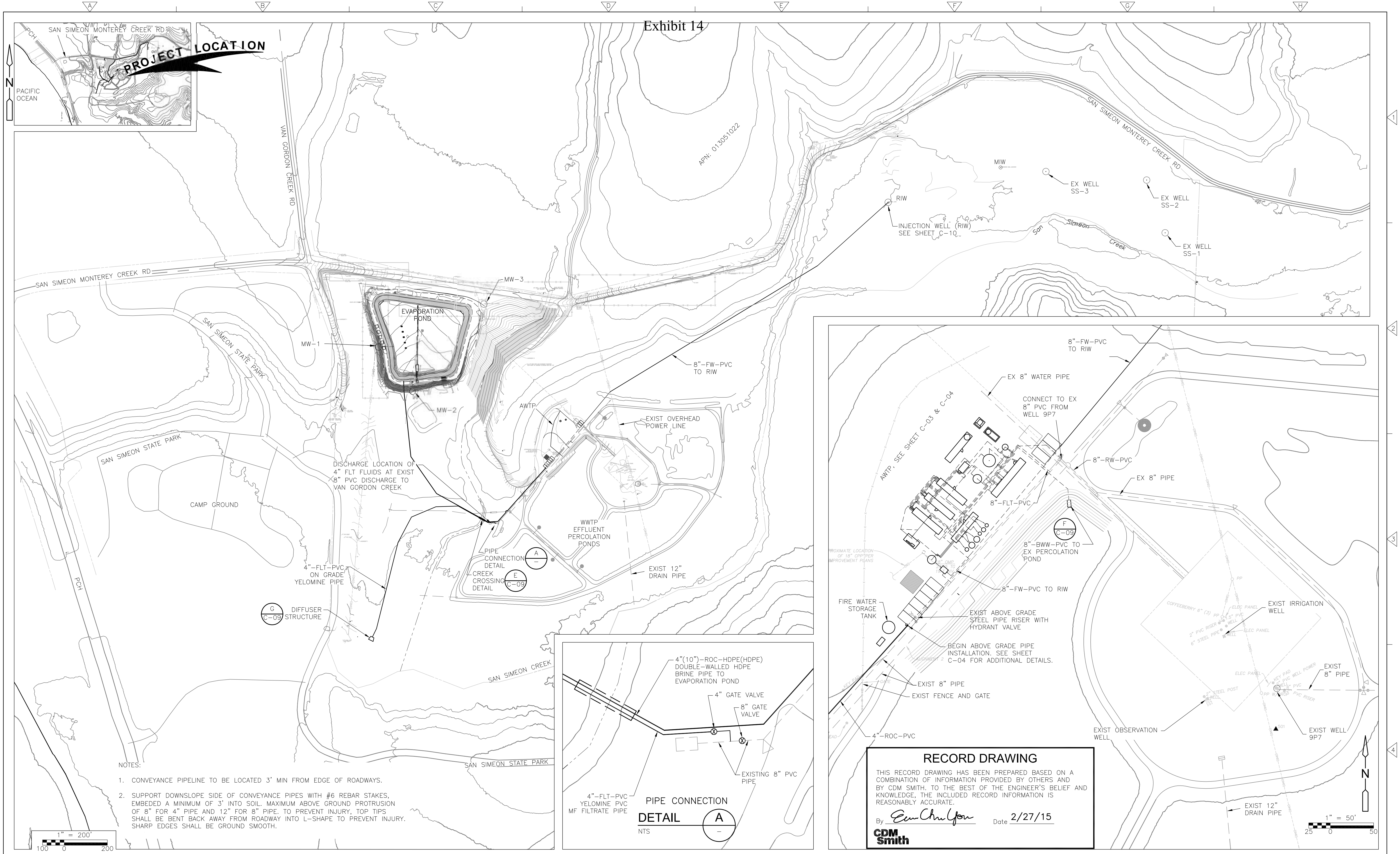
Exhibit 14



NOTES:

1. CONVEYANCE PIPELINE TO BE LOCATED 3' MIN FROM EDGE OF ROADWAYS.
2. SUPPORT DOWNSLOPE SIDE OF CONVEYANCE PIPES WITH #6 REBAR STAKES, EMBEDED A MINIMUM OF 3' INTO SOIL. MAXIMUM ABOVE GROUND PROTRUSION OF 8" FOR 4" PIPE AND 12" FOR 8" PIPE. TO PREVENT INJURY, TOP TIPS SHALL BE BENT BACK AWAY FROM ROADWAY INTO L-SHAPE TO PREVENT INJURY. SHARP EDGES SHALL BE GROUND SMOOTH.

PIPE CONNECTION

DETAIL A –

NTS

RECORD DRAWING

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By Eun Chu You Date 2/27/15

CDM Smith

REV. NO.	DATE	DRWN	CHKD	REMARKS
1	2/27/15	DI	ECY	RECORD DRAWING

DESIGNED BY: C. LINDSEY
DRAWN BY: O. NAHHAS
SHEET CHK'D BY: R. CHALMERS
CROSS CHK'D BY:
APPROVED BY: G. CUMMINGS
DATE: MAY 4, 2016

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CAMBRIA EMERGENCY
WATER SUPPLY PROJECT
CAMBRIA COMMUNITY SERVICES DISTRICT

CONVEYANCE PIPING PLAN

PROJECT NO. 138760-104133
SHEET: 5 OF 37
DRAWING NO.
C-02

XREFs: [CAMB-MF-OASite, CAMB-MF-GIS-Road, CDMS_2234] Images: []
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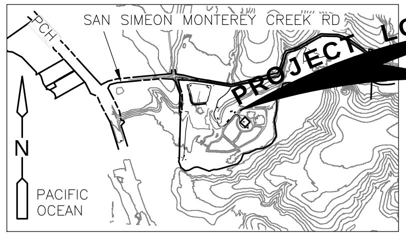
Exhibit 14



FOOTINGS			* REINFORCE ALL FOOTINGS WITH #5@12" EW T&B, UNO	
DESIGNATION	LENGTH	WIDTH	THICKNESS	NOTES
F1	4'–0"	4'–0"	24"	
F2	16'–0"	7'–0"	24"	
F3	14'–0"	14'–0"	24"	
F4	14'–0"	11–0"	12"	TURNDOWN EXTERIOR PER DETAIL G/S–02
F5	18'–0"	8'–0"	12"	TURNDOWN EXTERIOR PER DETAIL G/S–02
F6	11'–6"	11'–6"	24"	
F7	20'–0"	20'–0"	24"	
F8	44'–0"	10'–0"	12"	
F9	4'–6"	4'–6"	24"	
F10	–	–	–	TURNDOWN EXTERIOR PER DETAIL G/S–02

PAVEMENT NOTES:

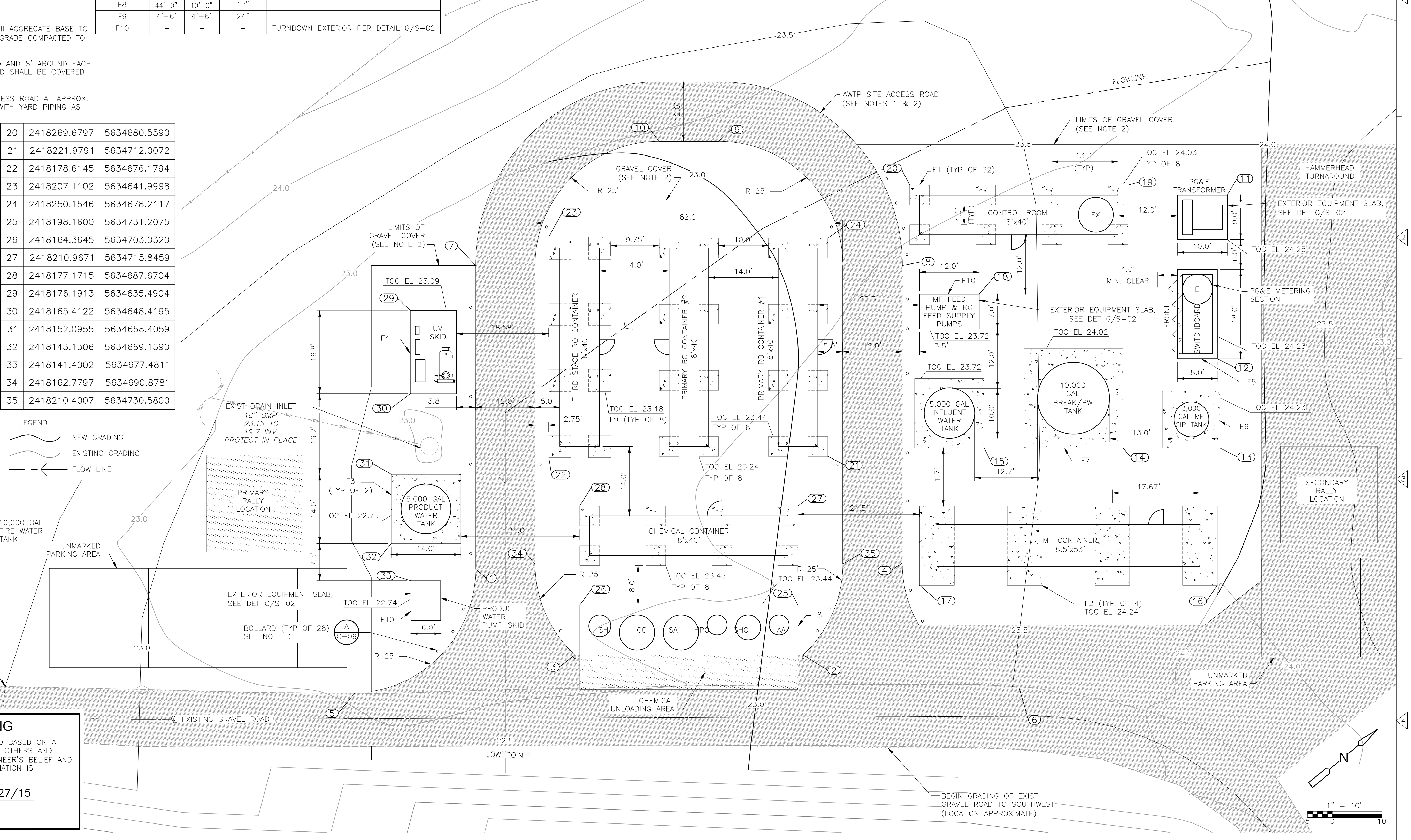
1. AWTP ACCESS ROAD SHALL BE 6" CLASS II AGGREGATE BASE TO 95% RELATIVE COMPACTION WITH 12" SUBGRADE COMPACTED TO 95% RELATIVE COMPACTION.
2. AREA WITHIN THE LIMITS OF ACCESS ROAD AND 8' AROUND EACH CONCRETE PAD LOCATED OUTSIDE OF ROAD SHALL BE COVERED WITH 3/4" GRAVEL MINIMUM 2" DEEP.
3. INSTALL BOLLARDS 1'–0" FROM AWTP ACCESS ROAD AT APPROX. LOCATIONS SHOWN. AVOID INTERFERENCE WITH YARD PIPING AS SHOWN ON SHEET C–04

COORDINATE TABLE

#	NORTHING	EASTING
1	2418152.8948	5634683.9951
2	2418192.5182	5634739.5364
3	2418157.1865	5634710.0801
4	2418219.7244	5634738.1363
5	2418118.1914	5634687.6002
6	2418221.7962	5634772.3538
7	2418192.0990	5634636.9710
8	2418258.1539	5634692.0414
9	2418245.7437	5634649.1463
10	2418236.5268	5634641.4621
11	2418317.5562	5634723.0778
12	2418294.8884	5634747.1437
13	2418283.7461	5634761.2894
14	2418268.7685	5634748.8025
15	2418247.2622	5634730.8726
16	2418265.6243	5634782.2450
17	2418219.5394	5634743.8238
18	2418266.3451	5634706.4217
19	2418303.4753	5634708.7346
20	2418269.6797	5634680.5590
21	2418221.9791	5634712.0072
22	2418178.6145	5634676.1794
23	2418207.1102	5634641.9998
24	2418250.1546	5634678.2117
25	2418198.1600	5634731.2075
26	2418164.3645	5634703.0320
27	2418210.9671	5634715.8459
28	2418177.1715	5634687.6704
29	2418176.1913	5634635.4904
30	2418165.4122	5634648.4195
31	2418152.0955	5634658.4059
32	2418143.1306	5634669.1590
33	2418141.4002	5634677.4811
34	2418162.7797	5634690.8781
35	2418210.4007	5634730.5800

LEGEND

∼ (heavy)	NEW GRADING
∼ (light)	EXISTING GRADING
— — ←	FLOW LINE



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By Een Chn You Date 2/27/15

CDM Smith

REV. NO.	DATE	DRWN	CHKD	REMARKS
1	2/27/15	DI	ECY	RECORD DRAWING

DESIGNED BY: C. LINDSEY
DRAWN BY: O. NAHHAS
SHEET CHK'D BY: R. CHALMERS
CROSS CHK'D BY: E. YOU
APPROVED BY: S. NEDIC
DATE: JULY 23, 2014

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CAMBRIA EMERGENCY WATER SUPPLY PROJECT
CAMBRIA COMMUNITY SERVICES DISTRICT

AWTP GRADING AND DRAINAGE PLAN

PROJECT NO. 138760–104133
SHEET: 6 OF 37
DRAWING NO.
C-03

XREFs: [CDMS_2234, CAMB–MF–OASite, CAMB–MF–GIS–Road] Images: []
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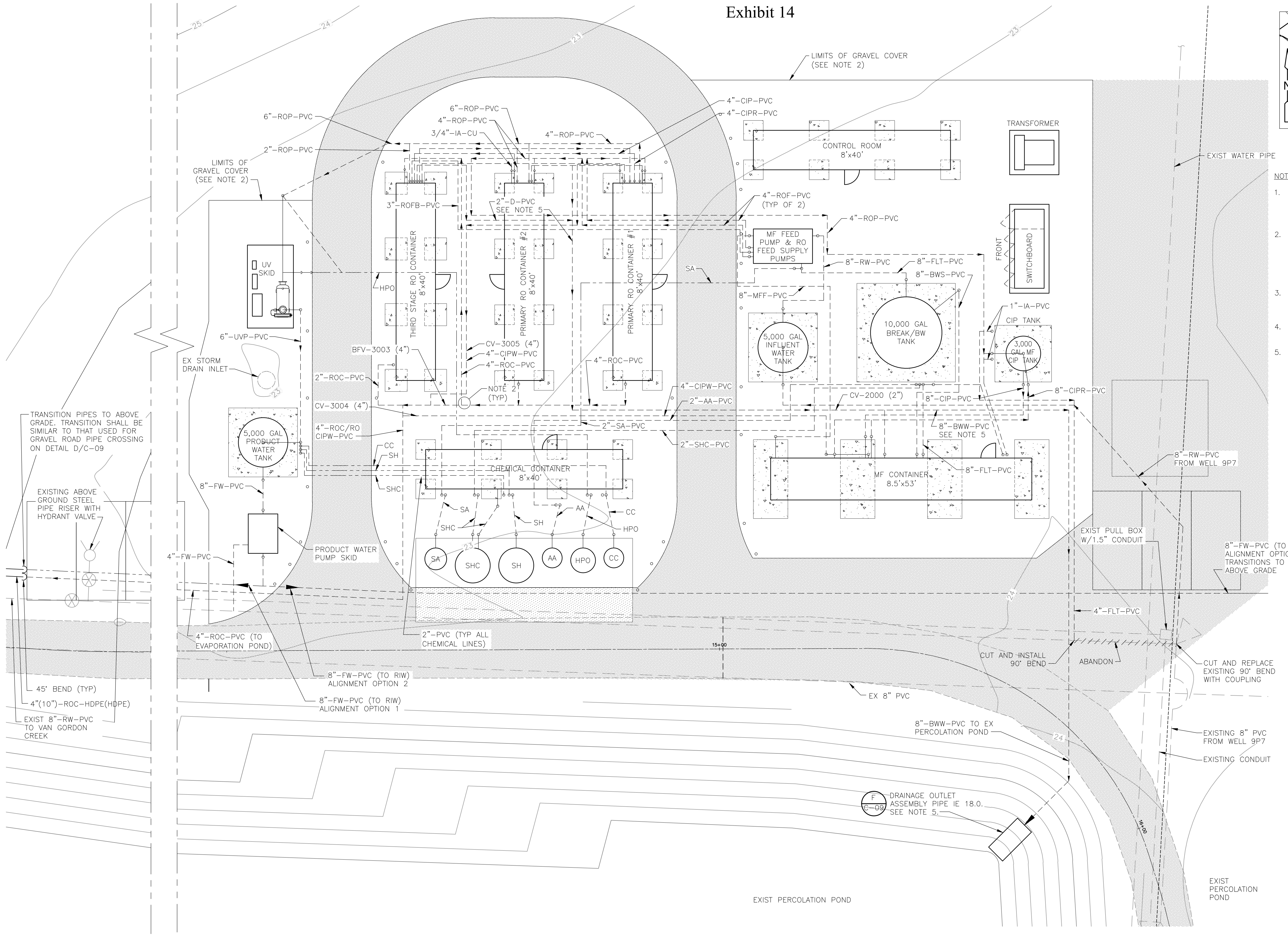
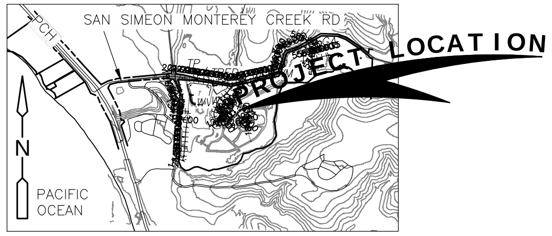
Exhibit 14





NOTES:

1. ALL PIPING AND HOSE TO BE INSTALLED BELOW GRADE WITHIN THE LAYOUT AREA OF THE AWTP. PIPE AND/OR HOSE TO TURN VERTICALLY TO SURFACE NO MORE THAN 3 FEET FROM PROCESS CONNECTIONS LOCATED ABOVE GRADE.

2. VALVES AND OTHER APPURTENANCES ARE NOT SHOWN. SEE P&IDS FOR REQUIRED VALVE AND APPURTENANCE LOCATIONS WITH RESPECT TO FLOW STREAM. IN SOME CASES, BELOW GRADE VALVES MUST BE PROVIDED TO ISOLATE FLOW STREAM CONNECTIONS. PROVIDE APPROPRIATE COATING, VALVE RISERS/BOXES AND CATHODIC PROTECTION TO SUBGRADE VALVES.

3. YARD PIPING LAYOUT IS APPROXIMATE. FINAL ALIGNMENTS TO BE BASED UPON VENDOR DRAWINGS SHOWING EXACT LOCATIONS OF INLET AND OUTLET CONNECTIONS.

4. PROVIDE TRUE UNION COUPLINGS FOR 2" PVC CHEMICAL CONTAINMENT PIPE WHERE PIPING TRANSITIONS TO BELOW GRADE.

5. INSTALL 2"–D–PVC AND 8"–BWW–PVC W/1% SLOPE MINIMUM FOR GRAVITY FLOW.

ABBREVIATIONS:

CC	CALCIUM CHLORIDE
HPO	HYDROGEN PEROXIDE
SA	SULFURIC ACID
ASC	ANTI–SCALANT/THRESHOLD INHIBITOR
SHC	SODIUM HYPOCHLORITE
AA	AQUEOUS AMMONIA
SH	SODIUM HYDROXIDE
CA	CITRIC ACID
BWW	BRACKISH WASTE
FLT	FILTRATE
FW	FINISHED WATER
ROC	RO CONCENTRATE
ROF	RO FEED
ROP	RO PRODUCT
RW	RAW WATER
UVP	UV PRODUCT

LEGEND

— - - —	BELOW GRADE CHEMICAL HOSE (DOUBLE CONTAINED)
— · · —	ABOVE GRADE CHEMICAL HOSE (DOUBLE CONTAINED)
———	ABOVE GRADE PROCESS PIPING
— — —	BELOW GRADE PROCESS PIPING

MATERIAL

PTFE	POLYTETRAFLUOROETHYLENE
PVC	POLYVINYL CHLORIDE

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By Eun Chu You Date 2/27/15

CDM Smith

N

1" = 10'
5 0 10

3	2/27/15	DI	ECY	RECORD DRAWING
2	10/7/14			REVISED PER RWQCB COMMENTS
1	10/6/14			REVISED PER RWQCB COMMENTS
REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: C. LINDSEY
DRAWN BY: O. NAHHAS
SHEET CHK'D BY: R. CHALMERS
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APPROVED BY: S. NEDIC
DATE: JULY 23, 2014

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Christopher K. Lipinski
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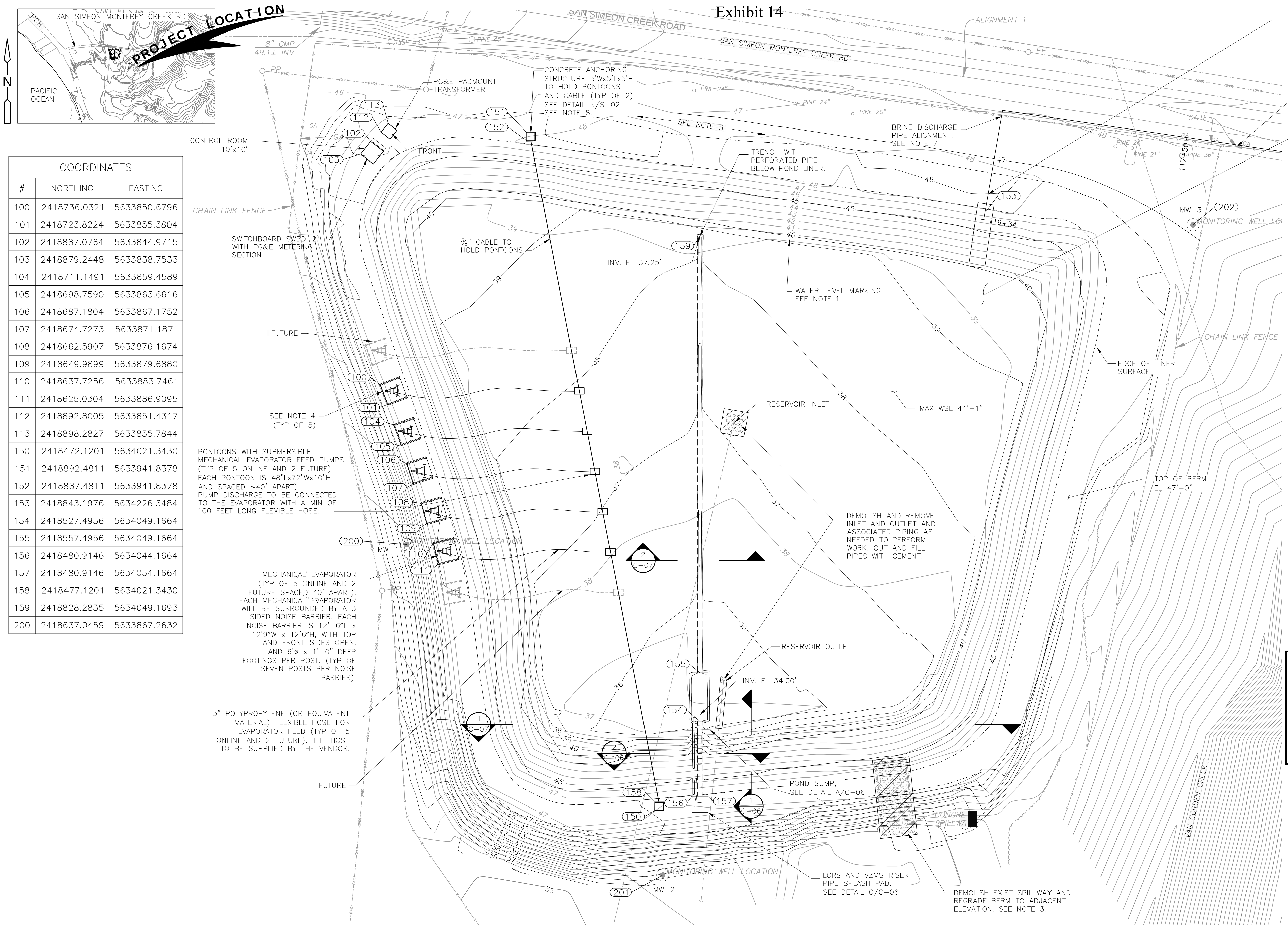
CAMBRIA EMERGENCY
WATER SUPPLY PROJECT
CAMBRIA COMMUNITY SERVICES DISTRICT

AWTP YARD PIPING PLAN

PROJECT NO. 138760–104133
SHEET: 7 OF 37
DRAWING NO.
C-04

Exhibit 14

COORDINATES		
#	NORTHING	EASTING
100	2418736.0321	5633850.6796
101	2418723.8224	5633855.3804
102	2418887.0764	5633844.9715
103	2418879.2448	5633838.7533
104	2418711.1491	5633859.4589
105	2418698.7590	5633863.6616
106	2418687.1804	5633867.1752
107	2418674.7273	5633871.1871
108	2418662.5907	5633876.1674
109	2418649.9899	5633879.6880
110	2418637.7256	5633883.7461
111	2418625.0304	5633886.9095
112	2418892.8005	5633851.4317
113	2418898.2827	5633855.7844
150	2418472.1201	5634021.3430
151	2418892.4811	5633941.8378
152	2418887.4811	5633941.8378
153	2418843.1976	5634226.3484
154	2418527.4956	5634049.1664
155	2418557.4956	5634049.1664
156	2418480.9146	5634044.1664
157	2418480.9146	5634054.1664
158	2418477.1201	5634021.3430
159	2418828.2835	5634049.1693
200	2418637.0459	5633867.2632



BRINE INLET PIPE, EXTENDING OVER THE POND RIM TO THE MAXIMUM WATER SURFACE ELEVATION WITH 22.5 DEGREE BEND. INSTALL 4FT WIDE STRIP OF MINIMUM 40-MIL THICK HDPE FOR LINER PROTECTION AT INLET ALONG THE ENTIRE POND SLOPE. THE STRIP SHALL BE EXTRUSION-WELDED TO THE LINER ALONG ALL EDGES PER DETAIL D/C-08. PLACE SANDBAGS OVER BRINE INLET PIPE TO PREVENT DISPLACEMENT DURING OPERATION.

EX FENCE AND GATE

EVAPORATION POND TO BE LINED WITH IMPERMEABLE HDPE LAYER, LEACHATE COLLECTION AND REMOVAL SYSTEM (LCRS), AND VADOSE ZONE MONITORING SYSTEM (VZMS).

REFER TO SHEETS C-6 THROUGH C-8 FOR DETAILS.

NOTES:

1. MARKINGS ON POND INTERIOR SHALL IDENTIFY ELEVATIONS EVERY FOOT. THE TEXT SHALL BE AT 2 FOOT INTERVALS AND BE 18" TALL; THE HORIZONTAL ELEVATION MARKINGS SHALL BE 6" TALL AND AT LEAST 3 FT WIDE.
2. PROOFROLL AND COMPACT THE BOTTOM OF THE POND, SIDE SLOPE AND THE TOP OF BERM TO PROVIDE A COMPETENT SURFACE FOR SUPPORT OF THE LINER.
3. REMOVE AND RECOMPACT THE UPPER 12 INCHES BELOW THE EXPOSED SUBGRADE OF THE DEMOLISHED SPILLWAY TO PROVIDE A COMPETENT SUBGRADE PRIOR TO PLACING FILL TO MATCH THE TOP OF THE ADJACENT BERM. ALL FILL SHALL BE COMPACTED TO AT LEAST 90 PERCENT RELATIVE COMPACTION IN ACCORDANCE WITH ASTM D1557 AT A MOISTURE AT LEAST 2 PERCENT HIGHER THAN OPTIMUM.
4. REMOVE AND RECOMPACT THE FOOTPRINT TO PROVIDE A ZONE OF COMPACTED FILL FOR PAD SUPPORT. PROVIDE AT LEAST 2' OF COMPACTED FILL. THE FILL SHALL EXTEND AT LEAST 3' LATERALLY BEYOND THE LIMITS OF THE PAD.
5. RE-GRADE AS NEEDED ON THE NORTH END TOP OF POND TO PREVENT STORM WATER RUNOFF FROM ENTERING THE POND. FLOWS CAN BE DIRECTED TO THE EAST AS NEEDED.
6. PROVIDE GASOLINE-POWERED LCRS DEWATERING PUMP FOR USE AS-NEEDED, GODWIN MODEL GWP-50HX WITH WHEEL KIT OR APPROVED EQUAL TO BE STORED IN AWTP CONTROL ROOM CONTAINER. PROVIDE CABLE WATER LEVEL METER TO MONITOR WATER LEVEL IN LCRS AND VZMS AS NEEDED, SOLINST MODEL 102M MINI WITH MINIMUM 75 FT CABLE LENGTH AND TYPE P1 PROBE, OR APPROVED EQUAL.
7. PENETRATE FENCE AS NEEDED, PROVIDE KNUCKLED ENDS AROUND PIPE.
8. RECOMPACT UPPER 12" BENEATH CONCRETE ANCHORING STRUCTURE TO AT LEAST 90% RELATIVE COMPACTION PER ASTM D1557.

RECORD DRAWING

THIS RECORD DRAWING HAS BEEN PREPARED BASED ON A COMBINATION OF INFORMATION PROVIDED BY OTHERS AND BY CDM SMITH. TO THE BEST OF THE ENGINEER'S BELIEF AND KNOWLEDGE, THE INCLUDED RECORD INFORMATION IS REASONABLY ACCURATE.

By Eun Chu You Date 2/27/15

CDM Smith

N

1" = 30'
15 0 30

2	2/27/15	DI	ECY	RECORD DRAWING
1	8/5/14	ON	ECY	REVISED PER TITLE 27 TM4
REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: E. SMITH
DRAWN BY: O. NAHHAS
SHEET CHK'D BY: R. CHALMERS
CROSS CHK'D BY: E. YOU
APPROVED BY: S. NEDIC
DATE: JULY 23, 2014

WARNING
0 1/2" 1"
IF THIS BAR SCALE DOES NOT MEASURE 1" THIS DWG HAS BEEN REDUCED SCALE ACCORDINGLY

CDM Smith
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Irvine, California 92617
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Eun Chu You
No. C 70014
Exp. 09/30/2014

CAMBRIA EMERGENCY
WATER SUPPLY PROJECT
CAMBRIA COMMUNITY SERVICES DISTRICT

BRINE EVAPORATION POND PLAN

PROJECT NO. 138760-104133
SHEET: 8 OF 37
DRAWING NO.
C-05

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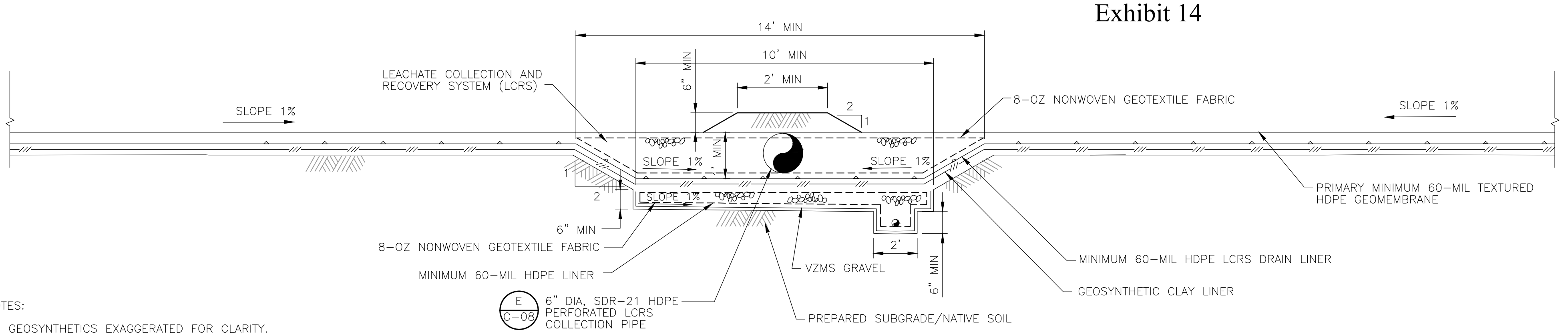
Exhibit 14

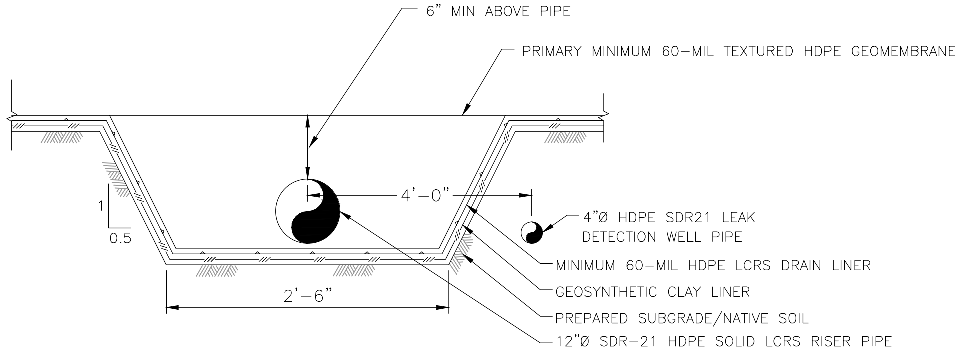


NOTES:

1. GEOSYNTHETICS EXAGGERATED FOR CLARITY.

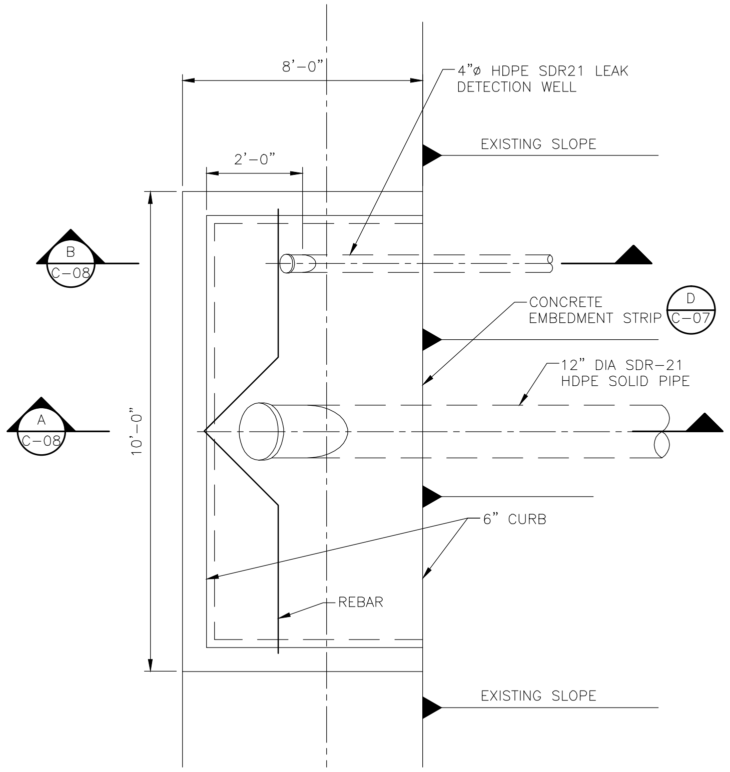
TYPICAL POND SUMP

DETAIL A
–
NTS



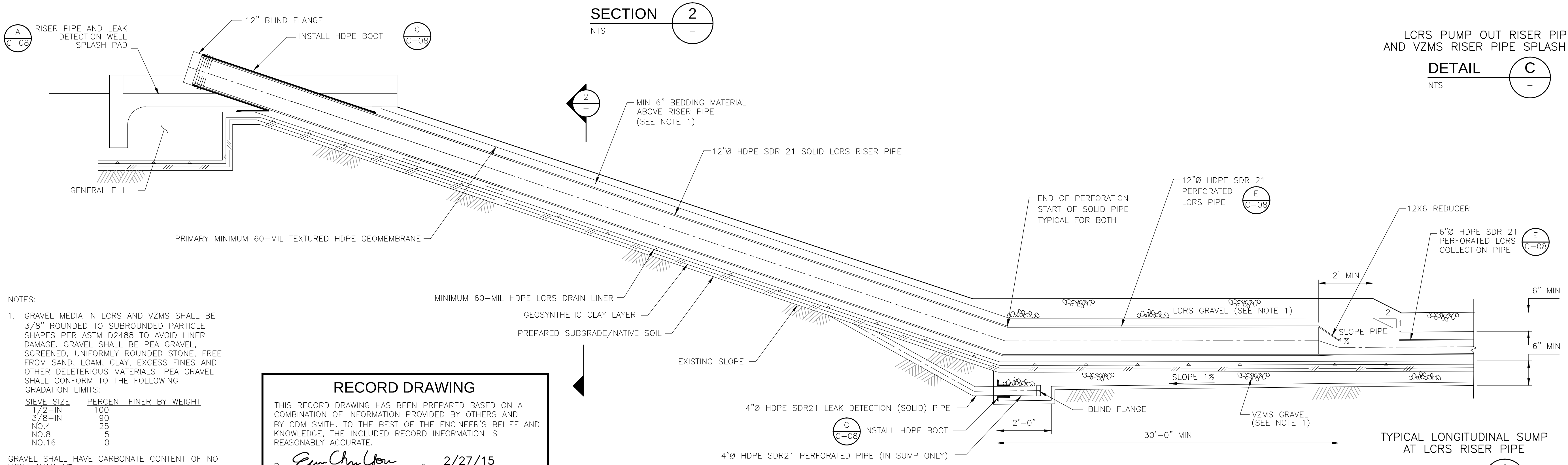
TYPICAL RISER PIPE TRENCH

SECTION 2
–
NTS



LCRS PUMP OUT RISER PIPE
AND VZMS RISER PIPE SPLASH PAD

DETAIL C
–
NTS



TYPICAL LONGITUDINAL SUMP
AT LCRS RISER PIPE

SECTION 1
–
NTS

NOTES:

1. GRAVEL MEDIA IN LCRS AND VZMS SHALL BE 3/8" ROUNDED TO SUBROUNDED PARTICLE SHAPES PER ASTM D2488 TO AVOID LINER DAMAGE. GRAVEL SHALL BE PEA GRAVEL, SCREENED, UNIFORMLY ROUNDED STONE, FREE FROM SAND, LOAM, CLAY, EXCESS FINES AND OTHER DELETERIOUS MATERIALS. PEA GRAVEL SHALL CONFORM TO THE FOLLOWING GRADATION LIMITS:

SIEVE SIZE	PERCENT FINER BY WEIGHT
1/2-IN	100
3/8-IN	90
NO.4	25
NO.8	5
NO.16	0

GRAVEL SHALL HAVE CARBONATE CONTENT OF NO MORE THAN 1%.
GRAVEL SHALL HAVE DURABILITY INDEX OF NOT LESS THAN 40.

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By Eun Chu You Date 2/27/15

CDM Smith

REV. NO.	DATE	DRWN	CHKD	REMARKS
4	2/27/15	DI	ECY	RECORD DRAWING
3	10/6/14			REVISED PER RWQCB COMMENTS
2	8/29/14			REVISED PER RWQCB COMMENTS
1	8/20/14			REVISED PER RWQCB COMMENTS

DESIGNED BY: E. SMITH
DRAWN BY: O. NAHHAS
SHEET CHK'D BY: R. CHALMERS
CROSS CHK'D BY: E. YOU
APPROVED BY: S. NEDIC
DATE: JULY 23, 2014

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EUN CHU YOU
No. C 70014
Exp. 09/30/2014

CAMBRIA EMERGENCY
WATER SUPPLY PROJECT
CAMBRIA COMMUNITY SERVICES DISTRICT

BRINE EVAPORATION POND
SECTIONS AND DETAILS I

PROJECT NO. 138760-104133
SHEET: 9 OF 37
DRAWING NO.
C-06

XREFs: [CDMS_2234, CAMB-MF-OASite, CAMB-MF-GIS-Road] Images: []
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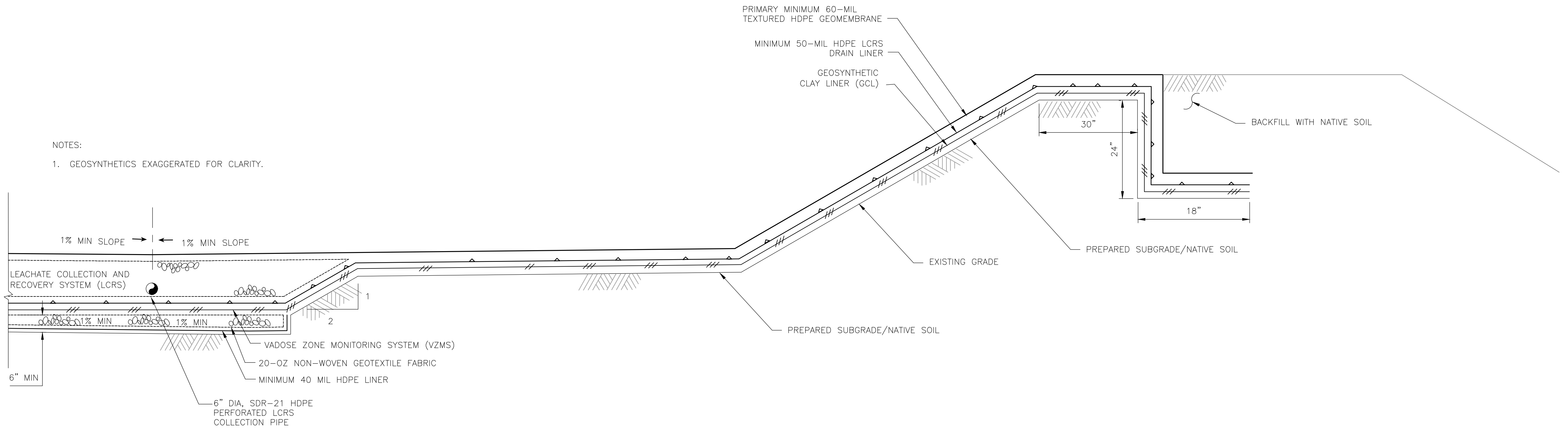
Exhibit 14

NOTES:

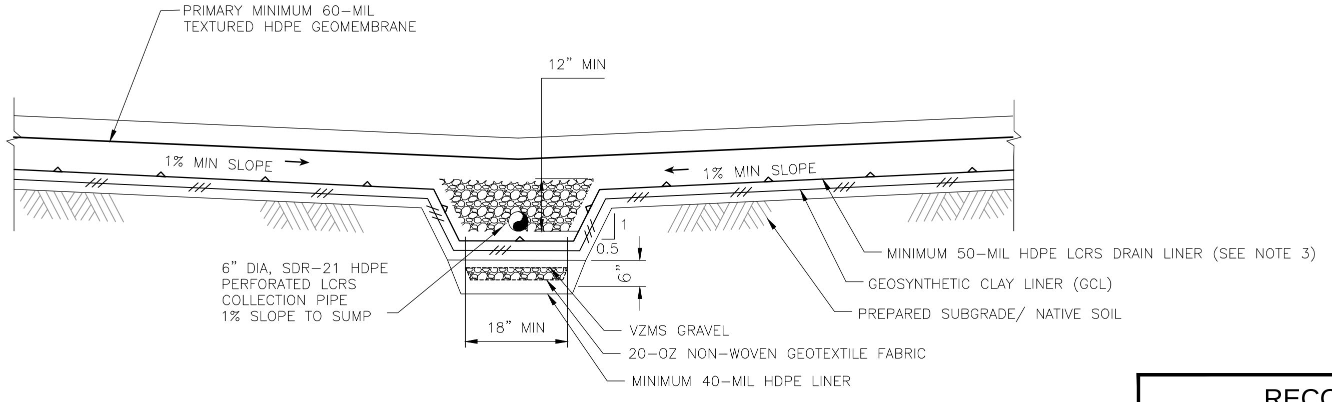
1. GEOSYNTHETICS EXAGGERATED FOR CLARITY.



TYPICAL DOUBLE LINER SYSTEM AT SUMP

SECTION 1 / –

NTS



TYPICAL DOUBLE LINER SYSTEM

SECTION 2 / –

NTS

RECORD DRAWING

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By Eun Chu You Date 2/27/15

CDM Smith

REV. NO.	DATE	DRWN	CHKD	REMARKS
1	2/27/15	DI	ECY	RECORD DRAWING

DESIGNED BY: E. SMITH
DRAWN BY: O. NAHHAS
SHEET CHK'D BY: R. CHALMERS
CROSS CHK'D BY: E. YOU
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EUN CHU YOU
No. C 70014
Exp. 09/30/2014
Eun Chu You

CAMBRIA EMERGENCY WATER SUPPLY PROJECT
CAMBRIA COMMUNITY SERVICES DISTRICT

BRINE EVAPORATION POND SECTIONS AND DETAILS II

PROJECT NO. 138760-104133
SHEET: 10 OF 37
DRAWING NO.
C-07

XREFs: [CDMS_2234, CAMB-MF-OASite, CAMB-MF-GIS-Road] Images: []
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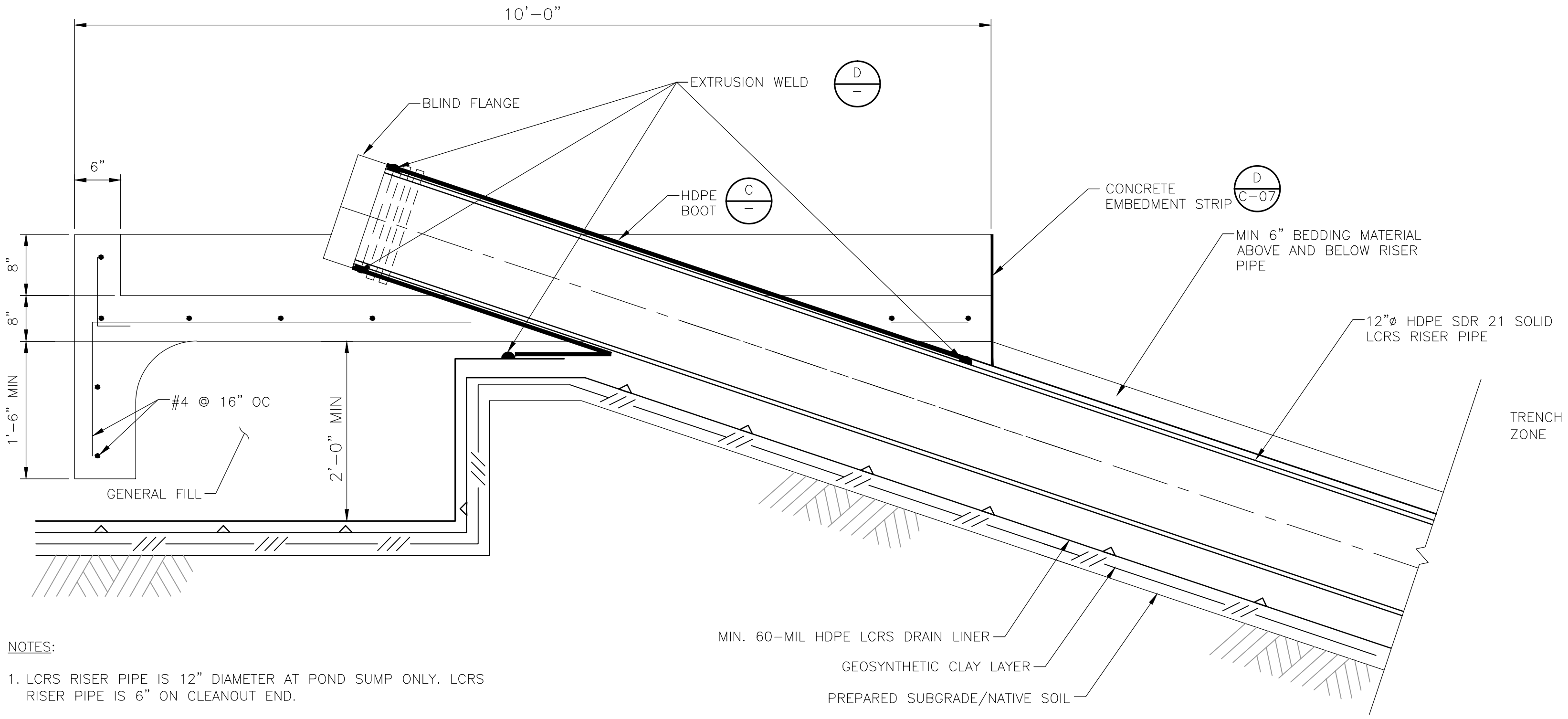
Exhibit 14

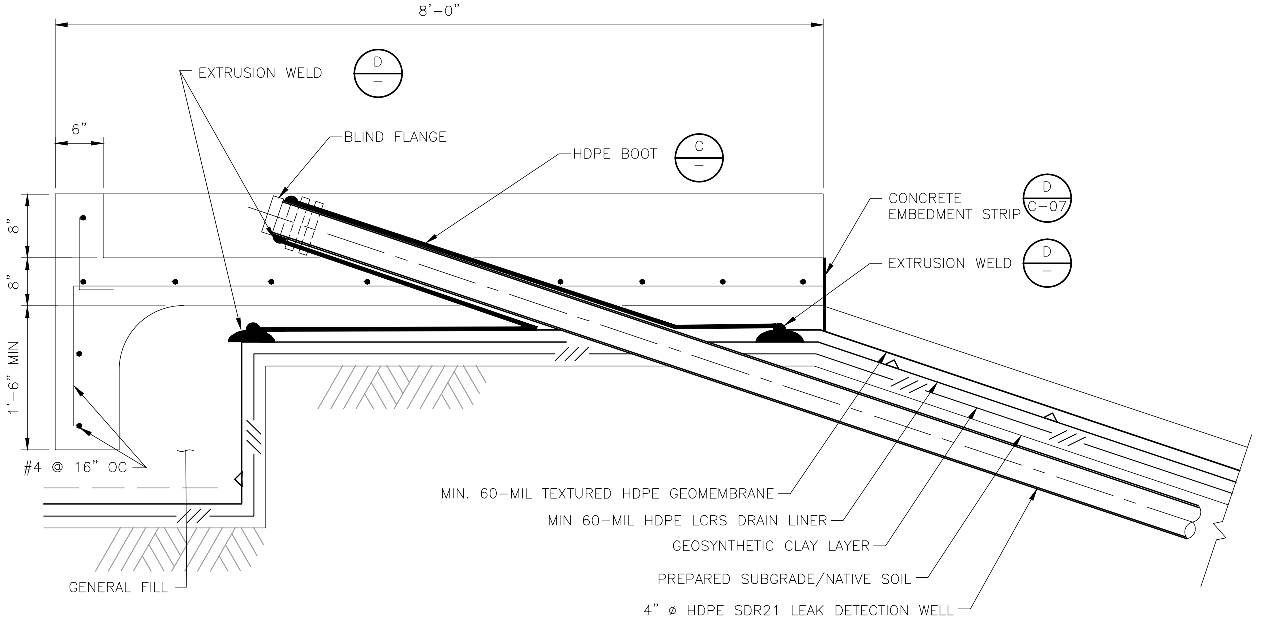


NOTES:

1. LCRS RISER PIPE IS 12" DIAMETER AT POND SUMP ONLY. LCRS RISER PIPE IS 6" ON CLEANOUT END.

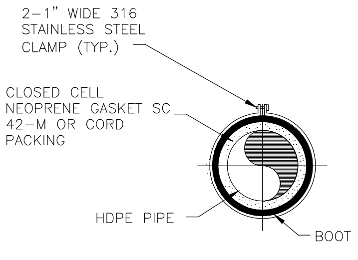
SPLASH PAD DETAIL SECTION AT LCRS RISER PIPE

DETAIL A/–
NTS

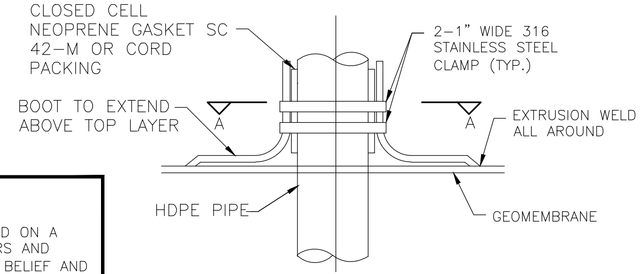


SPLASH PAD DETAIL SECTION AT VZMS RISER PIPE

DETAIL B/–
NTS



SECTION A-A



HDPE BOOT

DETAIL C/–
NTS

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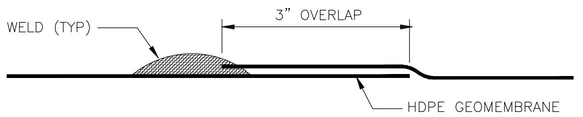
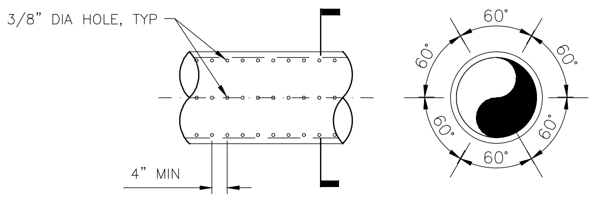
By Eun Chu You Date 2/27/15

CDM Smith



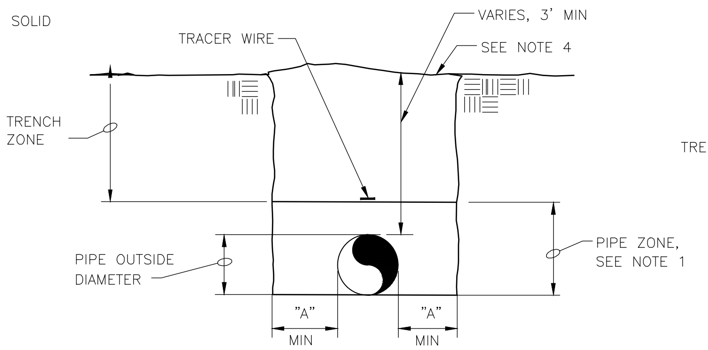
TYPICAL EXTRUDED WELD

DETAIL D/–
NTS



COLLECTOR PIPE PERFORATION

DETAIL E/–
NTS



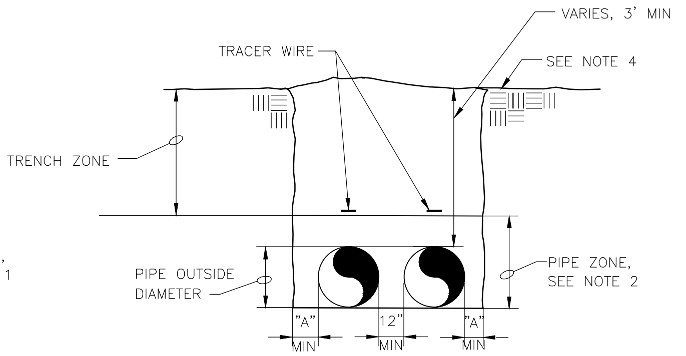
PIPE ZONE		
NOMINAL PIPE DIA (IN.)	HEIGHT ABOVE TOP OF PIPE (IN.)	"A" (IN.)
4	6	2
8	6	4

NOTE

1. PIPE ZONE DEPTH AND "A" SHALL BE VALUES SHOWN IN TABLE ABOVE.
2. 90% RELATIVE COMPACTION IN PIPE ZONE; 95% RELATIVE COMPACTION 12-INCHES DEEP (GRAVEL + SUBGRADE) IN TRENCH ZONE WHERE ROADWAYS OR STRUCTURES EXIST ABOVE, OTHERWISE 90% RELATIVE COMPACTION IS PERMISSIBLE.
3. TRENCH EXCAVATION LESS THAN 5 FEET MAY REQUIRE SHORING DUE TO SOIL INSTABILITY.
4. SEE DETAIL D ON SHEET C-09 IN AREAS WHERE PIPING IS INSTALLED BELOW ROADS.

SINGLE PIPE TRENCH BACKFILL

DETAIL F/–
NTS



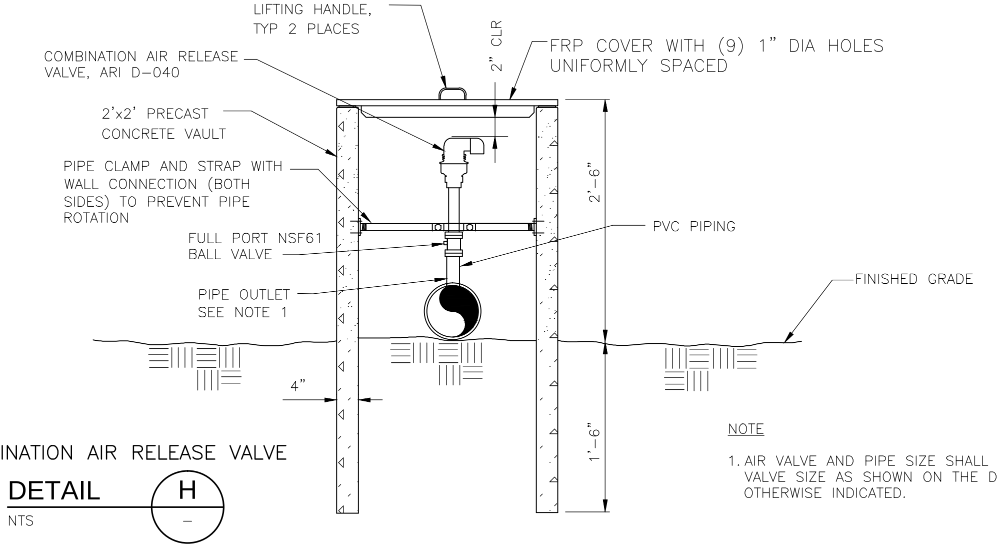
PIPE ZONE		
NOMINAL PIPE DIA (IN.)	HEIGHT ABOVE TOP OF PIPE (IN.)	"A" (IN.)
4	6	2
8	6	4

NOTE

1. PIPE ZONE DEPTH AND "A" SHALL BE VALUES SHOWN IN TABLE ABOVE.
2. 90% RELATIVE COMPACTION IN PIPE ZONE; 95% RELATIVE COMPACTION 12-INCHES DEEP (GRAVEL + SUBGRADE) IN TRENCH ZONE WHERE ROADWAYS OR STRUCTURES EXIST ABOVE, OTHERWISE 90% RELATIVE COMPACTION IS PERMISSIBLE.
3. TRENCH EXCAVATION LESS THAN 5 FEET MAY REQUIRE SHORING DUE TO SOIL INSTABILITY.
4. SEE DETAIL D ON SHEET C-09 IN AREAS WHERE PIPING IS INSTALLED BELOW ROADS.

MULTIPLE PIPE TRENCH BACKFILL

DETAIL G/–
NTS



NOTE

1. AIR VALVE AND PIPE SIZE SHALL MATCH AIR VALVE SIZE AS SHOWN ON THE DWGS, UNLESS OTHERWISE INDICATED.

COMBINATION AIR RELEASE VALVE

DETAIL H/–
NTS

REV. NO.	DATE	DRWN	CHKD	REMARKS
3	2/27/15	DI	ECY	RECORD DRAWING
2	10/6/14			REVISED PER RWQCB COMMENTS
1	8/20/14			REVISED PER RWQCB COMMENTS

DESIGNED BY: E. SMITH
DRAWN BY: O. NAHHAS
SHEET CHK'D BY: R. CHALMERS
CROSS CHK'D BY: E. YOU
APPROVED BY: S. NEDIC
DATE: JULY 23, 2014

WARNING
0 1/2" 1"
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Tel: (949) 752-5452

EUN CHU YOU
No. C 70014
Exp. 09/30/2014

CAMBRIA EMERGENCY
WATER SUPPLY PROJECT
CAMBRIA COMMUNITY SERVICES DISTRICT

CIVIL DETAILS I

PROJECT NO. 138760-104133
SHEET: 11 OF 37
DRAWING NO.
C-08

XREFs: [CDMS_2234, CAMB-MF-OASite, CAMB-MF-GIS-Road] Images: []
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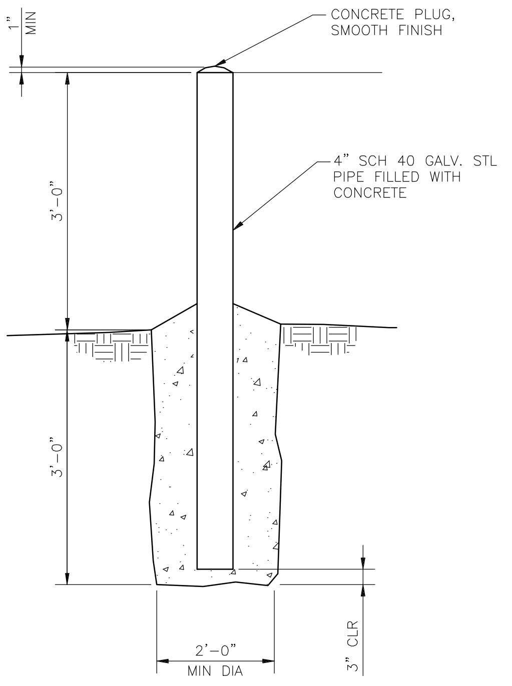
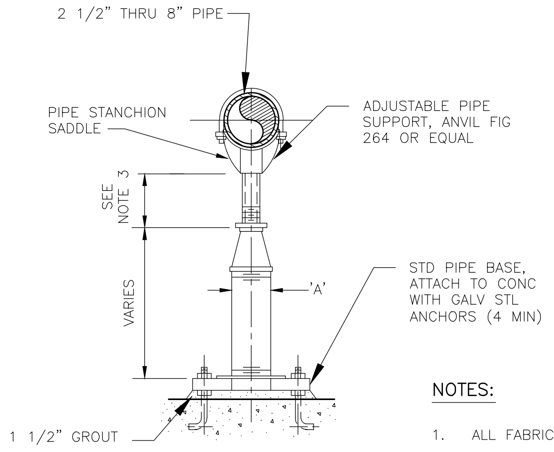
Exhibit 14



BOLLARD

DETAIL A
NTS



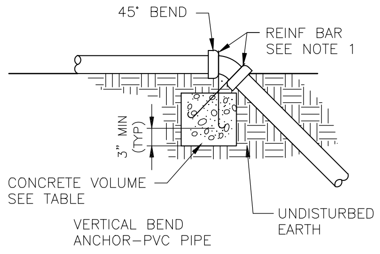
DIMENSION TABLE	
PIPE SIZE	'A'
2-1/2"	2-1/2"
3"	2-1/2"
4"	3"
6"	3"
8"	3"

NOTES:

1. ALL FABRICATION MATERIALS GALVANIZED CARBON STEEL.
2. FORM STANCHION TO FIT PIPE OD.
3. LENGTH PER STANCHION MANUFACTURER (6" MIN).
4. FABRICATE SUPPORT FROM SCHED 40 MIN PIPE STOCK.
5. PROVIDE 1/8" NEOPRENE PAD BETWEEN PIPE AND SUPPORT, WIDTH AND LENGTH TO MATCH STANCHION.

METAL PIPE SUPPORT

DETAIL B
NTS



PROFILE

VOLUME OF THRUST BLOCK IN CUBIC YARDS	
FITTING SIZE	
4"	0.125
8"	0.296

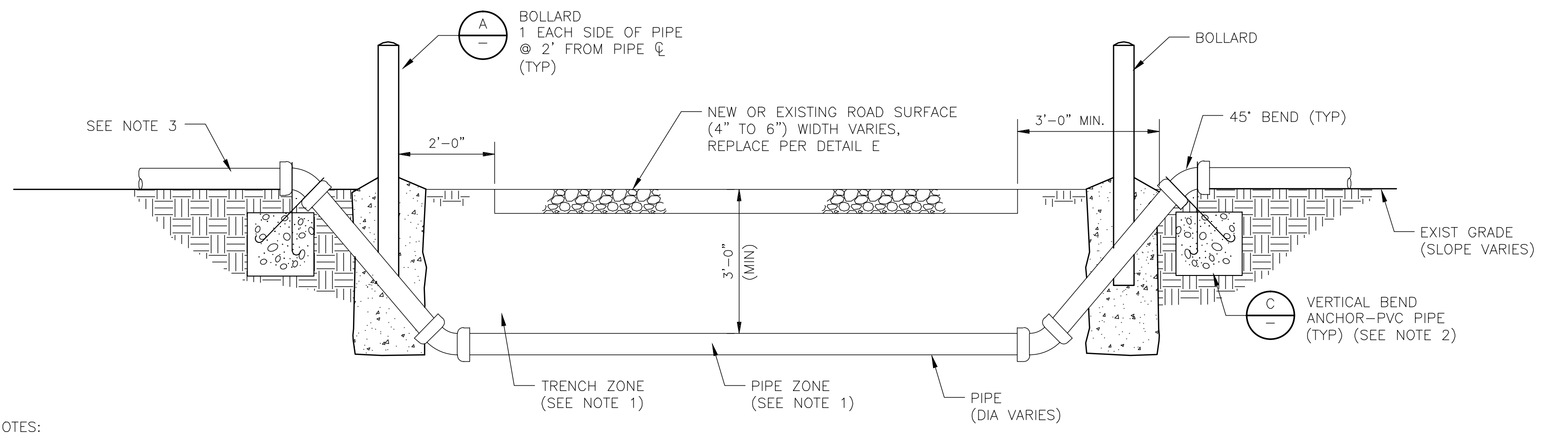
FITTING SIZE	ROD SIZE
4"	#4
8"	#6

THRUST BLOCK NOTES:

1. MASTIC COATED RODS OVER FITTING AND EMBEDDED IN CONCRETE (SEE TABLE FOR SIZES). COAT ENTIRE ROD PRIOR TO PLACING CONCRETE.
2. CONCRETE THRUST BLOCKING SHALL BE POURED AGAINST UNDISTURBED EARTH.
3. COMPACT TO 95% RELATIVE DENSITY OVER AND AROUND EACH THRUST BLOCK.
4. KEEP CONCRETE CLEAR OF JOINT AND JOINT ACCESSORIES.

VERTICAL BEND ANCHOR-PVC PIPE

DETAIL C
NTS



NOTES:

1. SEE DETAILS F & G, SHEET C-08 (AS APPLICABLE) FOR PIPE TRENCH DETAILS.
2. PIPE ALIGNMENTS APPROACHING A ROAD CROSSING FROM DOWN SLOPE MAY OMIT 45° BENDS AS NEEDED.
3. HORIZONTAL PIPE BENDS UP TO 90 DEGREES MAY BE USED BEFORE OR AFTER PIPE ANCHOR TO ACCOMMODATE PIPE ALIGNMENT.

ROAD PIPE CROSSING

DETAIL D
NTS

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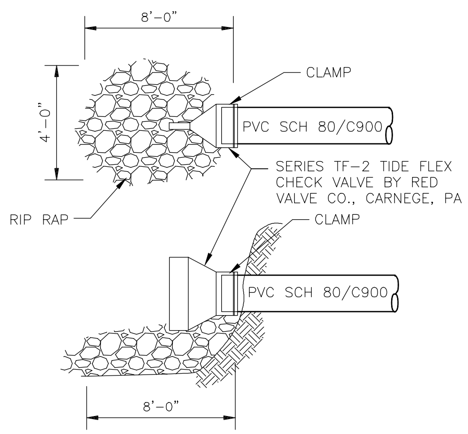
By Eric Chu You Date 2/27/15

CDM Smith

NOT USED

DETAIL E
NTS



DRAINAGE OUTLET ASSEMBLY

DETAIL F
NTS

REV. NO.	DATE	DRWN	CHKD	REMARKS
1	2/27/15	DI	ECY	RECORD DRAWING

DESIGNED BY: C. LINDSEY
DRAWN BY: O. NAHHAS
SHEET CHK'D BY: R. CHALMERS
CROSS CHK'D BY: E. YOU
APPROVED BY: S. NEDIC
DATE: JULY 23, 2014

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Christopher K. Lindsey C72807 Exp. 6/30/16 CIVIL

CAMBRIA EMERGENCY WATER SUPPLY PROJECT
CAMBRIA COMMUNITY SERVICES DISTRICT

CIVIL DETAILS II

PROJECT NO. 138760-104133
SHEET: 12 OF 37
DRAWING NO.
C-09

XREFs: [CDMS_2234, CAMB-MF-OASite, CAMB-MF-GIS-Road] Images: []
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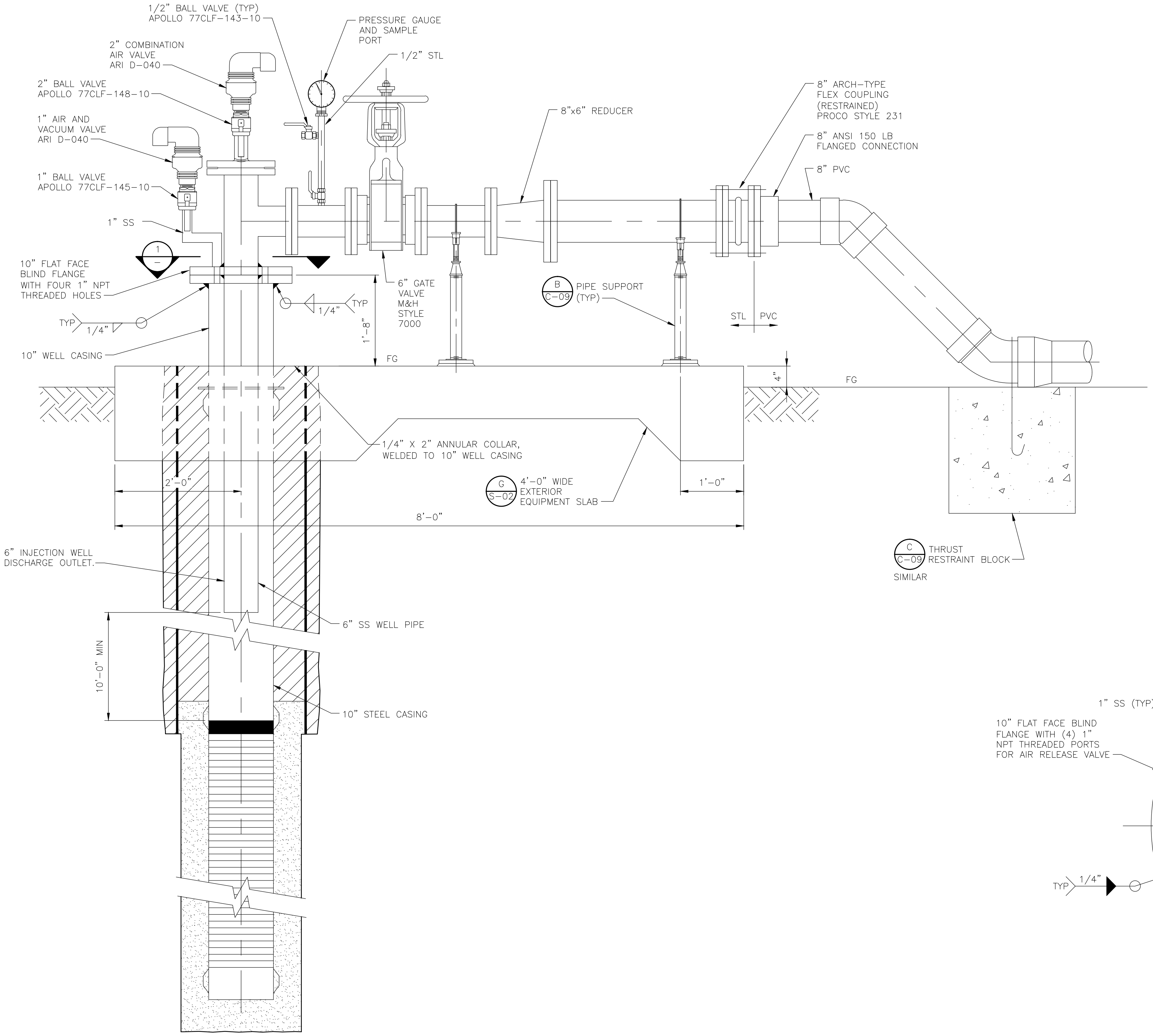
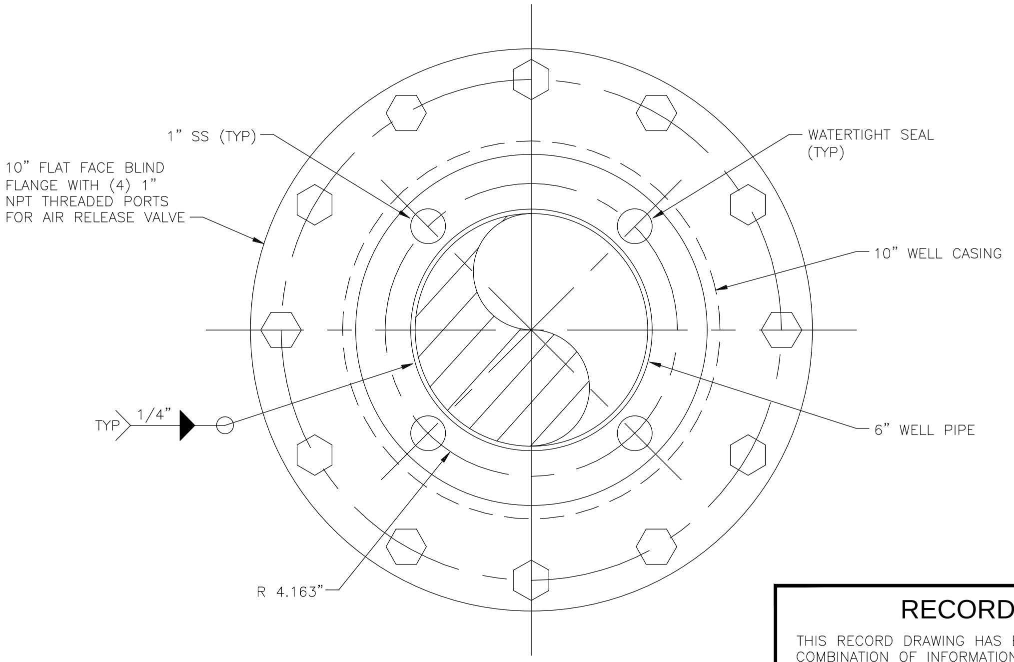
Exhibit 14



iNJECTION WELL

DETAIL A
–
NTS



SECTION 1
–
NTS

RECORD DRAWING

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By
Date 2/27/15

CDM Smith

REV. NO.	DATE	DRWN	CHKD	REMARKS
1	2/27/15	DI	ECY	RECORD DRAWING

DESIGNED BY: C. LINDSEY
DRAWN BY: O. NAHHAS
SHEET CHK'D BY: R. CHALMERS
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C72807
Exp. 6/30/16

CAMBRIA EMERGENCY
WATER SUPPLY PROJECT
CAMBRIA COMMUNITY SERVICES DISTRICT

INJECTION WELL DETAIL

PROJECT NO. 138760-104133
SHEET: 13 OF 37
DRAWING NO.
C-10

Exhibit 14

GENERAL STRUCTURAL NOTES

DESIGN CRITERIA:

CODES:

CBC–2013 (CALIFORNIA BUILDING CODE 2013)

ACI 318–11 (BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE)

DESIGN LOADS:

LIVE LOADS:

PROCESS FLOORS AND SLABS	200 PSF (NON–REDUCIBLE)

RISK CATEGORY IV

WIND DESIGN DATA:

BASIC WIND SPEED, V_{ULT}	115 MPH (ULTIMATE)
V_{ASD}	89 MPH (NOMINAL)
EXPOSURE CATEGORY	C

SEISMIC DESIGN DATA:

SOIL SITE CLASS	E
MAPPED SPECTRAL RESPONSE ACCELERATIONS	
SHORT PERIOD	Ss = 1.590g
ONE SECOND PERIOD	S1 = 0.601g
SPECTRAL RESPONSE COEFFICIENTS	
SHORT PERIOD	Sds = 0.958g
ONE SECOND PERIOD	Sd1 = 0.967g
SEISMIC DESIGN CATEGORY	D
SEISMIC IMPORTANCE FACTOR, Ie	1.5

SNOW:

GROUND SNOW LOAD Pg	0 PSF

SEISMIC REQUIREMENTS – NON–STRUCTURAL COMPONENTS:

IN ACCORDANCE WITH THE REQUIREMENTS OF CBC AND BY REFERENCE ASCE 7–10, ALL MECHANICAL, ELECTRICAL AND NON–STRUCTURAL COMPONENTS AND EQUIPMENT AND ANCHORAGES FOR RISK CATEGORY IV AREAS SHALL BE DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 13 OF ASCE 7 WITH A COMPONENT IMPORTANCE FACTOR Ip=1.5.

COMPONENTS WITH HAZARDOUS SUBSTANCES SHALL BE SEISMICALLY CERTIFIED BY THE MANUFACTURER AS MAINTAINING CONTAINMENT FOLLOWING THE DESIGN EARTHQUAKE DESIGN MOTION PER ASCE 7–10.

FOR THIS PURPOSE ALL COMPONENTS AND EQUIPMENT SHALL BE CONSIDERED TO HAVE THE SAME SEISMIC DESIGN CATEGORY AS THAT OF THE STRUCTURE THEY OCCUPY OR TO WHICH THEY ARE ATTACHED.

FOUNDATIONS:

FOUNDATIONS ARE DESIGNED FOR A NET ALLOWABLE SOIL PRESSURE OF 600 PSF.

ALL EXTERIOR FOUNDATIONS SHALL EXTEND TO A DEPTH = 18".

GENERAL CONDITIONS:

ALL STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE OTHER PROJECT DRAWINGS AND SPECIFICATIONS.

STANDARD DETAILS SHALL BE USED AT ALL APPLICABLE LOCATIONS, UNLESS NOTED OTHERWISE ON DRAWINGS.

SEE CIVIL SITE PLANS FOR STRUCTURE LOCATION COORDINATES.

FIELD VERIFY ALL EXISTING DIMENSIONS PRIOR TO CONSTRUCTION.

WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED SIZES.

CONSTRUCTION NOTES:

PRIOR TO INSTALLATION OF EQUIPMENT, COORDINATE AND CONFIRM THE ANCHORAGE REQUIREMENTS WITH THE MANUFACTURER. THE ANCHORAGE SYSTEM SHALL NOT DAMAGE THE CONCRETE.

CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD. THE PROJECT MANAGER SHALL BE NOTIFIED OF ANY DISCREPANCY BETWEEN DRAWINGS IMMEDIATELY UPON DISCOVERY.

CONCRETE ANCHORS AND DOWELS:

CONTRACTOR SHALL LOCATE EXISTING REBAR USING NON–DESTRUCTIVE METHODS PRIOR TO DRILLING HOLES FOR ADHESIVE AND EXPANSION ANCHORS. ADJUST SPACING OF ANCHORS TO MISS REINFORCING A MAXIMUM OF 1 ½" FROM DETAILED LOCATIONS.

ADHESIVE FOR EMBEDED DOWELS AND ANCHORS SHALL BE HILTI HIT–RE 500–SD (ICC EVALUATION REPORT 2322), OR APPROVED EQUAL. DRILLED HOLES SHALL BE SIZED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.

EXPANSION ANCHORS SHALL BE HILTI KWIK BOLT TZ, (ICC EVALUATION REPORT 1917), OR ICC APPROVED EQUAL.

ICC REPORTS SHALL STATE THAT ANCHORS ARE COMPLIANT WITH THE 2012 IBC AND CAN BE USED TO RESIST EARTHQUAKE LOADS IN CRACKED, NORMAL–WEIGHT CONCRETE.

CAST–IN–PLACE CONCRETE:

REINFORCED CONCRETE SHALL CONFORM TO ACI 318.

REINFORCING STEEL FABRICATION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE CRSI MANUAL OF STANDARD PRACTICE.

CONCRETE WORK SHALL CONFORM TO ACI 301 (SPECIFICATIONS FOR STRUCTURAL CONCRETE).

MINIMUM CONCRETE COVER SHALL BE TO NEAREST EXPOSED SURFACE.

ALL EXPOSED CORNERS OF CONCRETE SHALL HAVE 3/4" CHAMFER, UNLESS OTHERWISE NOTED.

WALL REINFORCEMENT AT CORNERS OR JUNCTIONS OF WALLS SHALL BE CONTINUOUS, LAPPED, OR TERMINATED IN AN ACI STANDARD 90 DEGREE STANDARD HOOK DETAIL. LAP SPLICES SHALL CONFORM WITH THE TABLE ON THIS SHEET.

UNLESS OTHERWISE INDICATED ON THE DRAWINGS, BARS SHALL BE DOWELED. DOWELS SHALL BE THE SAME SIZE AND SPACING AS THE REINFORCEMENT WHICH IS SPLICED TO THE DOWELS UNLESS OTHERWISE NOTED.

SLABS, BEAMS, AND COLUMN REINFORCING BARS SHALL HAVE A MINIMUM EXTENSION OR ANCHORAGE INTO SUPPORTS IN ACCORDANCE WITH ACI 318.

STIRRUP SUPPORT BARS SHALL BE PROVIDED AS REQUIRED TO SECURE TOP BARS AGAINST DISPLACEMENT.

UNLESS OTHERWISE INDICATED ON THE DRAWINGS, CONCRETE COVER OVER #11 AND SMALLER REINF BARS SHALL BE AS FOLLOWS:

SLABS AND JOISTS:
- FORMED CONCRETE SURFACES AND UNFORMED TOP SURFACES FOR DRY CONDITIONS..........2"
- FORMED CONCRETE SURFACES AND UNFORMED TOP SURFACES EXPOSED TO WEATHER, IN CONTACT WITH SOIL OR FLUIDS, OR LOCATED OVER FLUIDS..........2"

BEAMS AND COLUMNS:
- FORMED CONCRETE SURFACES FOR DRY CONDITIONS:
  - STIRRUPS, SPIRALS AND TIES..........2"
  - PRINCIPAL REINFORCEMENT..........2 1/2"
- FORMED CONCRETE SURFACES EXPOSED TO WEATHER, IN CONTACT WITH SOIL OR FLUIDS, OR BEAMS LOCATED OVER FLUIDS:
  - STIRRUPS AND TIES..........2"
  - PRINCIPAL REINFORCEMENT..........2 1/2"

WALLS:
- FORMED CONCRETE SURFACES FOR DRY CONDITIONS..........2"
- FORMED CONCRETE SURFACES EXPOSED TO WEATHER OR IN CONTACT WITH SOIL OR FLUIDS..........2"

FOOTINGS AND SLABS ON GRADE:
- FORMED CONCRETE SURFACES..........2"
- AT UNFORMED CONCRETE SURFACES CAST AGAINST THE SOIL OR CONCRETE WORK MATS..........3"

CONCRETE JOINT:

CONSTRUCTION JOINTS SHALL NOT BE PLACED AT LOCATIONS OTHER THAN THOSE SHOWN ON THE DRAWINGS WITHOUT THE PRIOR WRITTEN APPROVAL OF THE ENGINEER.

TYPICAL STRUCTURAL MATERIALS:

SEE PROJECT SPECIFICATIONS AND NOTES ON DRAWINGS FOR INDIVIDUAL STRUCTURES FOR DETAILED OR SPECIAL REQUIREMENTS.

CONCRETE
- FILL, DUCT ENCASEMENT, WHERE NOTED: CLASS A (f'c = 2500 PSI)
- STRUCTURAL CONCRETE; W/C ≤ 0.54 CLASS B (f'c = 3000 PSI)
- REINFORCING STEEL: ASTM A615, GRADE 60 (Fy = 60,000 PSI)
- REINFORCING STEEL (WELDABLE): ASTM A706, GRADE 60 (Fy = 60,000 PSI)
- CEMENT: ASTM C150, TYPE II
- AIR ENTRAINMENT: 3.5 TO 5.0 PERCENT

STRUCTURAL STEEL
- SHAPES – W AND WT: ASTM A992 (Fy = 50 KSI)
- SHAPES – S, M, HP, C, MC, L, PLATE AND BAR: ASTM A36 (Fy = 36 KSI)
- HOLLOW STRUCTURAL SECTIONS:
  - ROUND: ASTM A500, GRADE B (Fy = 42 KSI)
  - SQUARE AND RECTANGULAR: ASTM A500, GRADE B (Fy = 46 KSI)
- ANCHOR RODS: ASTM F1554, ¾"ø MINIMUM UNO (Fy = 36 KSI)
- WELDING ELECTRODES: E70XX (Ft = 70 KSI)
- ASSEMBLY BOLTS: HIGH STRENGTH ASTM A325–N

SPECIAL INSPECTION REQUIREMENTS

SPECIAL INSPECTIONS SHALL BE CONDUCTED IN ACCORDANCE WITH THE REQUIREMENTS SET FORTH IN CHAPTER 17 OF THE CALIFORNIA BUILDING CODE.

IN ACCORDANCE WITH THE REQUIREMENTS OF CHAPTER 17 OF THE BUILDING CODE, THE PERMIT APPLICANT WILL PROVIDE QUALIFIED PERSONNEL TO PERFORM THE FOLLOWING SPECIAL INSPECTIONS AND SHALL FURNISH INSPECTION REPORTS FROM THE SPECIAL INSPECTOR TO THE ENGINEER AND BUILDING OFFICIAL. THIS DOES NOT RELIEVE THE CONTRACTOR OF ANY RESPONSIBILITY TO PERFORM THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL NOTIFY THE INSPECTOR 24 HOURS IN ADVANCE OF ALL INSPECTIONS.

THE FOLLOWING ITEMS, AS A MINIMUM, SHALL RECEIVE SPECIAL INSPECTION:
- CONCRETE CONSTRUCTION (1704.4)
- SOILS (1704.7)

STRUCTURAL OBSERVATION:

THE ENGINEER OF RECORD BELIEVES THAT THIS CONSTRUCTION IS OF A MINOR NATURE. ACCORDINGLY, STRUCTURAL OBSERVATION IS NOT REQUIRED SUBJECT TO APPROVAL BY THE AUTHORITY HAVING JURISDICTION.

RECORD DRAWING

THIS RECORD DRAWING HAS BEEN PREPARED BASED ON A COMBINATION OF INFORMATION PROVIDED BY OTHERS AND BY CDM SMITH. TO THE BEST OF THE ENGINEER'S BELIEF AND KNOWLEDGE, THE INCLUDED RECORD INFORMATION IS REASONABLY ACCURATE.

By Eun Chu You Date 2/27/15

CDM Smith

ABBREVIATIONS:

#	NUMBER
&	AND
@	AT
AB	ANCHOR BOLT
ABV	ABOVE
ADDL	ADDITIONAL
AGG	AGGREGATE
AL	ALUMINUM
ALT	ALTERNATE (ING)
APPROX	APPROXIMATELY
ARCH	ARCHITECT (URAL) (URE)
B TO B	BACK TO BACK
BEV	BEVEL (ED)
BLK	BLOCK
BLKG	BLOCKING
B.O.	BOTTOM OF
BOT	BOTTOM
BRG	BEARING
C TO C	CENTER TO CENTER
CIRC	CIRCUMFERENTIAL
CJ	CONSTRUCTION JOINT
CL OR ℄	CENTERLINE
CLR	CLEAR
CMU	CONCRETE MASONRY UNITS
COL	COLUMN
COMP	COMPRESSIBLE
CONC	CONCRETE
CONN	CONNECTION
CONT	CONTINUOUS
CPLG	COUPLING
CRS	COURSE (S)
CSK	COUNTERSINK
CTG	COATING
CTR	CENTER (ED)
d	PENNY
DET	DETAIL
ø OR DIA	DIAMETER
DIAG	DIAGONAL
DIR	DIRECTION
DL	DEAD LOAD
DO	DITTO
DWG	DRAWING
DWL	DOWEL
EA	EACH
EB	EXPANSION BOLT
EF	EACH FACE
EL	ELEVATION
ELEC	ELECTRIC (AL)
EMBED	EMBEDMENT
EQ	EQUAL (LY)
EQPT	EQUIPMENT
ES	EACH SIDE
EW	EACH WAY
EXP ANCH	EXPANSION ANCHOR
EXP JT	EXPANSION JOINT
EXST	EXISTING
EXT	EXTERIOR
f'c	CONCRETE COMPRESSION STRESS
f'm	MASONRY PRISM STRESS
FAB	FABRICATE (OR) (ED)
FD	FLOOR DRAIN
FDN	FOUNDATION
FF	FAR FACE
FHMS	FLATHEAD MACHINE SCREW
FHWS	FLATHEAD WOOD SCREW
FIN	FINISH (ED)
FL	FLOOR
FRP	FIBERGLASS REINFORCED PLASTIC
FT	FEET/FOOT
FTG	FOOTING/FITTING
GA	GAGE
GALV	GALVANIZED
GI	GALVANIZED IRON
GLB	GLASS BLOCK
GR	GRADE
GRTG	GRATING
HAS	HEADED ANCHOR STUD
HD	HEAVY DUTY
HDR	HEADER
HOR	HORIZONTAL
HP	HIGH POINT
HR	HANDRAIL
HSS	HOLLOW STRUCTURAL SECTION
HVAC	HEATING, VENTILATING & AIR CONDITIONING
IAW	IN ACCORDANCE WITH
ID	INSIDE DIAMETER
IF	INSIDE FACE
IN	INCH
INT	INTERIOR
INVT	INVERT
JT	JOINT
KO	KNOCKOUT
L	ANGLE
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LNTL	LINTEL
LOC	LOCATION/LOCATED
LONG	LONGITUDINAL
LP	LOW POINT
LT	LEFT
LW	LIGHTWEIGHT
MAS	MASONRY
MATL	MATERIAL
MAX	MAXIMUM
MB	MACHINE BOLTS
MCJ	MASONRY CONTROL JOINT
MECH	MECHANICAL
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
NF	NEAR FACE
NSG	NON–SHRINK GROUT
NTS	NOT TO SCALE
OC	ON CENTER OR OCCUPANCY CATEGORY
OD	OUTSIDE DIAMETER
OF	OUTSIDE FACE
OPNG	OPENING
OPP	OPPOSITE
OPP HD	OPPOSITE HAND
OPT	OPTION (AL)
PCF	POUNDS PER CUBIC FOOT
PCJ	PARTIAL CONTRACTION JOINT
PJF	PREMOLDED JOINT FILLER
PL OR ⅊	PLATE
PLYWD	PLYWOOD
PREFAB	PREFABRICATED
PROJ	PROJECTION
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PVMT	PAVEMENT
R	RISER (S)
RAD	RADIUS
RC	REINFORCED CONCRETE
REF	REFERENCE/REFER
REINF	REINFORCE (D, ING)
REQD	REQUIRED
REV	REVISION
RLG	RAILING
RO	ROUGH OPENING
RT	RIGHT
SCHED	SCHEDULE
SCJ	SLAB CONTROL JOINT
SECT	SECTION
SFR	SYNTHETIC FIBER REINFORCED
SIM	SIMILAR
SP	SPACE (S) (ED)
SPECS	SPECIFICATION/SPECIFIED
SQ	SQUARE
SST	STAINLESS STEEL
STD	STANDARD
STIF	STIFFENER
STIR	STIRRUP (S)
SYM	SYMMETRICAL
T	TREAD (S)
T&B	TOP AND BOTTOM
TF	TOP FACE
THD	THREADED
TOC	TOP OF CONCRETE
TOW	TOP OF WALL
TRNSV	TRANSVERSE
TSL	TOP OF SLAB
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VB	VAPOR BARRIER
VERT	VERTICAL
W	WIDE FLANGE
W/	WITH
W/O	WITHOUT
WP	WORKING POINT
WS	WATERSTOP
WWF	WELDED WIRE FABRIC

ABBREVIATION NOTES:

ABBREVIATIONS AND DESIGNATIONS FOR STEEL MEMBERS MAY BE FOUND IN THE CURRENT MANUAL OF STEEL CONSTRUCTION BY AISC.

ABBREVIATIONS OF TECHNICAL SOCIETIES AND TRADE ASSOCIATIONS MAY BE FOUND IN THE SPECIFICATIONS.

WELDING SYMBOLS AND ABBREVIATIONS MAY BE FOUND IN AWS 2.4.

STRUCTURAL LEGEND AND SYMBOLS:

Ⓔ	INDICATES EQUIPMENT PAD PER DETAILS H OR J ON SHEET S–02. COORDINATE SIZE WITH EQUIPMENT REQUIREMENTS.
—■—	HYDROPHILIC (EXPANSIVE) WATERSTOP
⇄	GRATING SPAN DIRECTION

▨	EARTH FILL	▦	CONCRETE MASONRY	▤	GRATING	░	SAND
▥	UNDISTURBED EARTH	▨	STEEL	▦	CHECKERED PLATE	░	GROUT
◬	CONCRETE	▨	ALUMINUM	○	GRANULAR FILL	▤	SHALE

APPROVED FOR CONSTRUCTION

1	2/27/15	DI	ECY	RECORD DRAWING
REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: A. HAHN
DRAWN BY: A. JOHNSON
SHEET CHK'D BY: P. BLOMBERG
CROSS CHK'D BY: E. YOU
APPROVED BY: S. NEDIC
DATE: JULY 23, 2014

WARNING
0 1/2" 1"
IF THIS BAR SCALE DOES NOT MEASURE 1" THIS DWG HAS BEEN REDUCED SCALE ACCORDINGLY

CDM Smith
111 Academy Way, Suite 150
Irvine, California 92617
Tel: (949) 752-5452

ALAN HARRY HAHN
C 82421

CAMBRIA EMERGENCY WATER SUPPLY PROJECT
CAMBRIA COMMUNITY SERVICES DISTRICT

AWTP STRUCTURAL GENERAL NOTES

PROJECT NO. 138760–104133
SHEET: 14 OF 37
DRAWING NO.
S-01

Exhibit 14

		WALLS AND SLABS				BEAMS AND COLUMNS			
		DEVELOPMENT LENGTH (L_d)(INCHES)		CLASS B LAP SPLICE (INCHES)		DEVELOPMENT LENGTH (L_d)(INCHES)		CLASS B LAP SPLICE (INCHES)	
BAR SIZE	DIAMETER (db) (INCHES)	"TOP" BARS	OTHER	"TOP" BARS	OTHER	"TOP" BARS	OTHER	"TOP" BARS	OTHER
#3	0.375	12	12	16	16	19	15	24	19
#4	0.5	15	12	20	16	25	19	32	25
#5	0.625	19	15	24	19	31	24	40	31
#6	0.75	22	17	29	22	37	29	48	37
#7	0.875	33	25	42	33	54	42	70	54
#8	1.0	37	29	48	37	62	48	80	62
#9	1.125	46	36	60	46	70	54	91	70
#10	1.25	57	44	74	57	79	61	102	79
#11	1.375	68	53	89	68	87	67	113	87

NOTES:

1 "TOP" BARS IS HORIZONTAL REINFORCEMENT PLACED SO THAT MORE THAN 12" OF FRESH CONCRETE IS CAST IN THE MEMBER BELOW THE DEVELOPMENT LENGTH OR SPLICE.

2 CLEAR SPACING OF BARS BEING DEVELOPED OR SPLICED SHALL
A) NOT BE LESS THAN d_b, HAVE CLEAR COVER NOT LESS THAN d_b, AND STIRRUPS OR TIES THROUGHOUT L_d NOT LESS THAN THE CODE MINIMUM OR;
B) CLEAR SPACING OF BARS WHERE d_b=DIAMETER OF REINFORCING BAR AND L_d=DEVELOPMENT LENGTH.

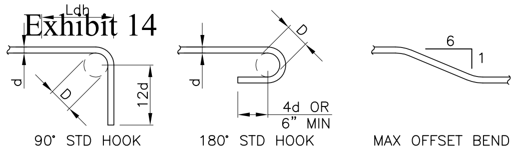
3 FOR SPECIAL SPLICE REQUIREMENTS FOR COLUMNS AND END BEARING SPLICES IN COMPRESSION SEE ACI 318 CHAPTER 12.

4 TABLE IS BASED ON f'c = 4000 PSI AND fy = 60,000 PSI. LAP SPLICE AND DEVELOPMENT LENGTHS SHALL BE INCREASED FOR LOWER CONCRETE COMPRESSIVE STRENGTH AS FOLLOWS:

	MULTIPLIER		MULTIPLIER
f'c 2500 PSI	1.27	f'c 3500 PSI	1.07
f'c 3000 PSI	1.16	f'c 4500 PSI	0.94

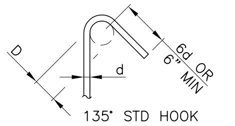
STANDARD HOOK AND LAP SPLICE IN CONCRETE

DETAIL A
NOT TO SCALE



D=6d FOR #3 TO #8
D=8d FOR #9 TO #11
D=12d FOR #14 AND #18

PRINCIPAL REINFORCING



MIN D=1 1/2" FOR #3
MIN D=2" FOR #4
MIN D=2 1/2" FOR #5

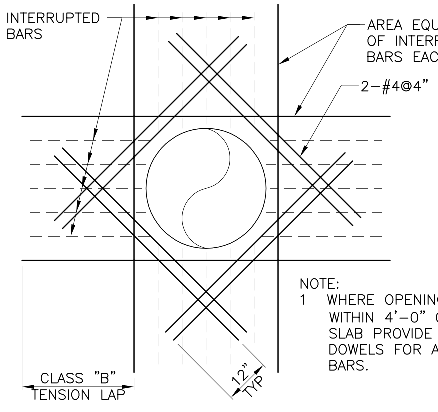
STIRRUPS AND TIES

BAR SIZE	DIAMETER (db) (INCHES)	90° STD HOOK (L_{dh}) (INCHES)
#3	0.375	6
#4	0.5	7
#5	0.625	9
#6	0.75	10
#7	0.875	12
#8	1.0	14
#9	1.125	15
#10	1.25	17
#11	1.375	19

NOTES:
1 ALL BENDS SHALL BE MADE COLD.
2 #14 AND #18 BARS SHALL BE BEND TESTED AND LAB APPROVED PRIOR TO BENDING.

BAR BENDS

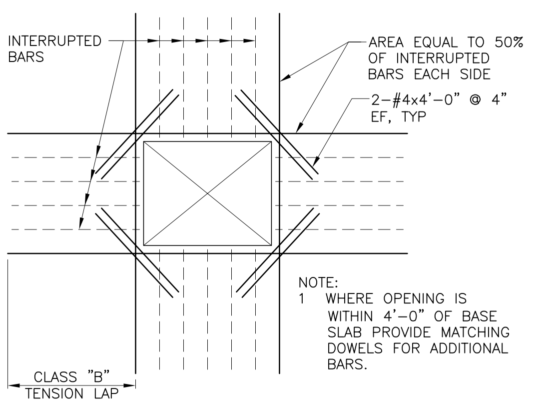
DETAIL B
NTS



NOTE:
1 WHERE OPENING IS WITHIN 4'–0" OF BASE SLAB PROVIDE MATCHING DOWELS FOR ADDITIONAL BARS.

REINFORCEMENT AT CIRCULAR OPENINGS GREATER THAN 12"

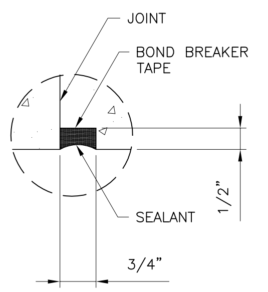
DETAIL C
NTS



NOTE:
1 WHERE OPENING IS WITHIN 4'–0" OF BASE SLAB PROVIDE MATCHING DOWELS FOR ADDITIONAL BARS.

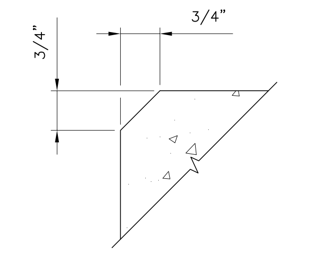
REINFORCEMENT AT RECTANGULAR OPENINGS GREATER THAN 12"

DETAIL D
NTS



JOINT SEALANT

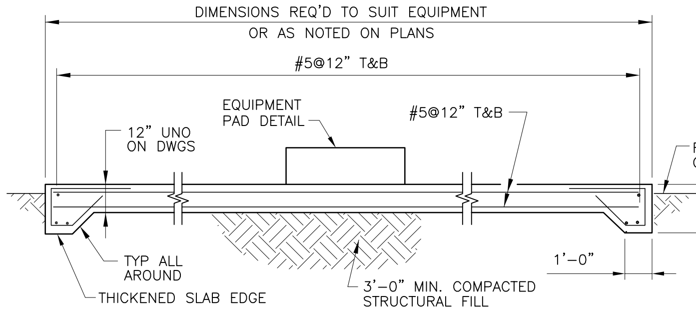
DETAIL E
NTS



NOTES:
1 SEE CAST–IN–PLACE CONCRETE NOTES.
2 NO CHAMFER REQUIRED WHERE FLUSH EXTERIOR CMU OR BRICK MASONRY ABOVE.

CHAMFER

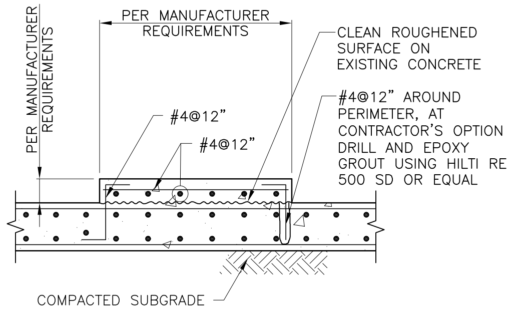
DETAIL F
NTS



NOTE:
1 PADS FOR PUBLIC UTILITY EQUIPMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPROPRIATE AGENCY REQUIREMENTS.

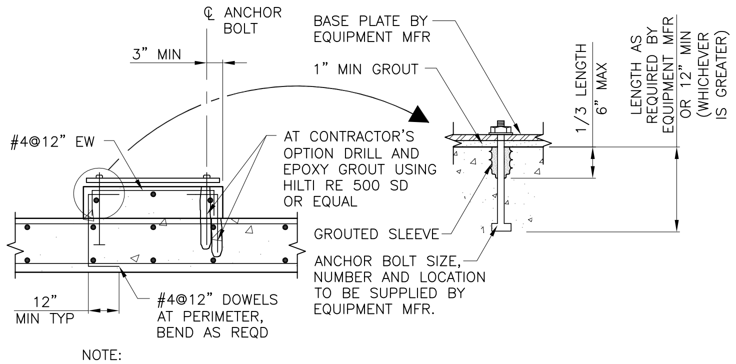
EXTERIOR EQUIPMENT SLAB

DETAIL G
NTS



HOUSEKEEPING PAD

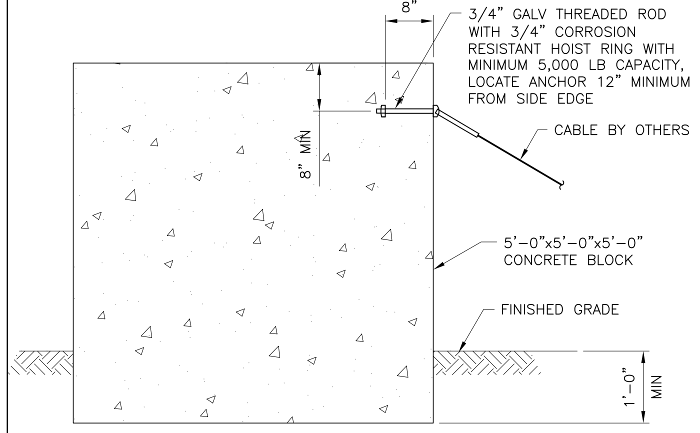
DETAIL H
NTS



NOTE:
1 DIMENSIONS OF PAD AS REQUIRED TO SUIT EQUIPMENT (4" MIN UNLESS PAD IS CAST INTEGRALLY WITH SLAB).

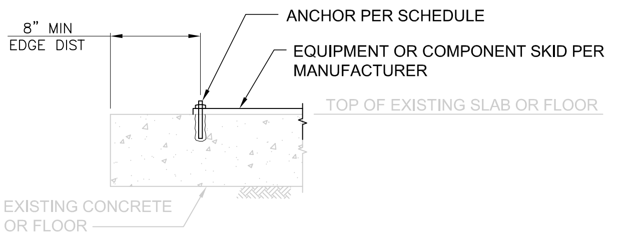
EQUIPMENT PAD

DETAIL J
NTS



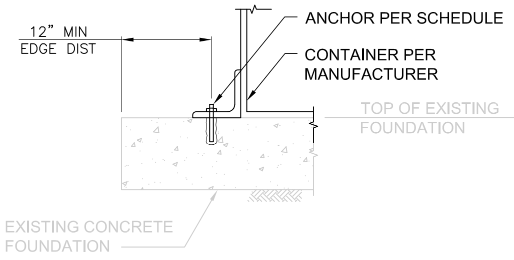
ANCHOR BLOCK

DETAIL K
NTS



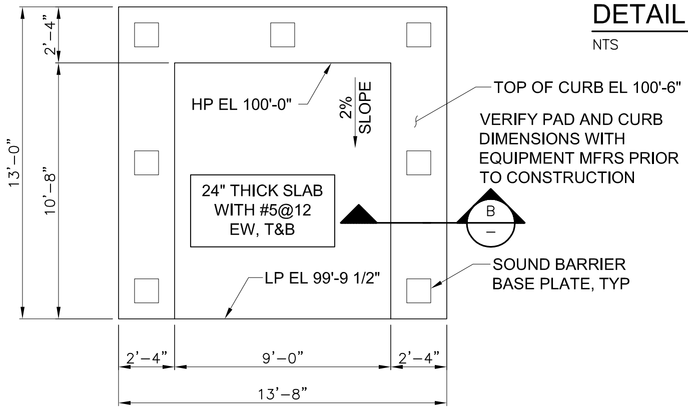
A FLOOR MOUNTED EQUIPMENT ANCHORAGE
NTS

COMPONENT	ANCHORAGE TYPE	NOTES
UV SKIDS	GALV ⅝" Ø HILTI HIT-HY 200 OR KWIK BOLT TZ WITH 3 ⅛" EMBED	MINIMUM FOUNDATION PLAN SHALL BE 17'-0" X 9'-6"
SWITCHBOARDS	GALV ½" Ø HILTI HIT-HY 200 OR KWIK BOLT TZ WITH 3 ¼" EMBED	
MF & RO FEED PUMP SKID	GALV ⅝" Ø HILTI HIT-HY 200 OR KWIK BOLT TZ WITH 3 ⅛" EMBED	
PRODUCT WATER PUMP SKID	GALV ⅝" Ø HILTI HIT-HY 200 OR KWIK BOLT TZ WITH 3 ⅛" EMBED	

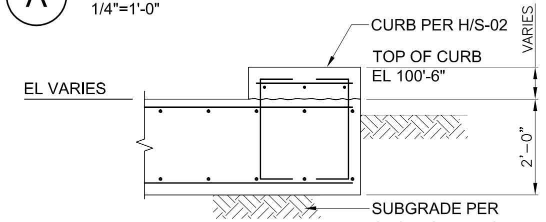


A CONTAINER ANCHORAGE
NTS

COMPONENT	ANCHORAGE TYPE	NOTES
40' LONG CONTAINER	GALV ¾" Ø ROD WITH HILTI HIT-HY 200 EPOXY WITH 9" EMBED	
MF CONTAINER	GALV ¾" Ø ROD WITH HILTI HIT-HY 200 EPOXY WITH 9" EMBED	



A EVAPORATORS/SOUND BARRIER PAD PLAN
1/4"=1'-0"



B SECTION
1/2"=1'-0"

RECORD DRAWING

THIS RECORD DRAWING HAS BEEN PREPARED BASED ON A COMBINATION OF INFORMATION PROVIDED BY OTHERS AND BY CDM SMITH. TO THE BEST OF THE ENGINEER'S BELIEF AND KNOWLEDGE, THE INCLUDED RECORD INFORMATION IS REASONABLY ACCURATE.

By Eun Chu You Date 2/27/15

CDM Smith

REV. NO.	DATE	DRWN	CHKD	REMARKS
1	2/27/15	DI	ECY	RECORD DRAWING

DESIGNED BY: A. HAHN
DRAWN BY: A. JOHNSON
SHEET CHK'D BY: P. BLOMBERG
CROSS CHK'D BY: E. YOU
APPROVED BY: S. NEDIC
DATE: JULY 23, 2014

WARNING
0 1/2" 1"
IF THIS BAR SCALE DOES NOT MEASURE 1" THIS DWG HAS BEEN REDUCED SCALE ACCORDINGLY

CDM Smith
111 Academy Way, Suite 150
Irvine, California 92617
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CAMBRIA EMERGENCY WATER SUPPLY PROJECT
CAMBRIA COMMUNITY SERVICES DISTRICT

AWTP STRUCTURAL DETAILS

PROJECT NO. 138760–104133
SHEET: 15 OF 37
DRAWING NO.
S-02

Exhibit 14

ONE LINE OR CONTROL DIAGRAM	PLAN	DESCRIPTION
52 CS	—	MEDIUM VOLTAGE DRAWOUT TYPE POWER CIRCUIT BREAKER CS=CONTROL SWITCH
FRAME / TRIP	CB	LOW VOLTAGE AIR OR MOLDED CASE CIRCUIT BREAKER, 3 POLE UNLESS OTHERWISE NOTED.
*		COMBINATION MOTOR CIRCUIT PROTECTOR AND MAGNETIC MOTOR STARTER, FULL VOLTAGE NON-REVERSING UNLESS OTHERWISE NOTED: * FVR – FULL VOLTAGE REVERSING RVNR – REDUCED VOLTAGE NON-REVERSING RVAT – REDUCED VOLTAGE AUTOTRANSFORMER RVSS – REDUCED VOLTAGE SOLID STATE 2S1W – TWO SPEED, ONE WINDING RS2W – TWO SPEED, TWO WINDING (DIAGRAMATICALLY SHOWN, CONTRACTOR SHALL FIELD LOCATE)
*		NON-FUSIBLE DISCONNECT SWITCH, 600 VOLT, 3 POLE * AMPERE RATING NOTED IF OTHER THAN 30A (DIAGRAMATICALLY SHOWN, CONTRACTOR SHALL FIELD LOCATE)
* ✱	F	FUSIBLE DISCONNECT SWITCH, 600 VOLT, 3 POLE, * AMPERE RATING AND FUSE SIZE AS NOTED ✱ AMPERE RATING NOTED IF OTHER THAN 30A FUSE RATING (DIAGRAMATICALLY SHOWN, CONTRACTOR SHALL FIELD LOCATE)
	P 2	MANUAL MOTOR STARTER WITH THERMAL OVERLOAD HEATER, 1 POLE UNLESS OTHERWISE NOTED "P" INDICATES WITH PILOT LIGHT "2" INDICATES TWO POLE (DIAGRAMATICALLY SHOWN, CONTRACTOR SHALL FIELD LOCATE)
	—	DRAWOUT TYPE EQUIPMENT OR DEVICE
	—	MEDIUM VOLTAGE CABLE TERMINATION
	—	MEDIUM VOLTAGE AIR INTERRUPTER SWITCH
✱	—	MEDIUM VOLTAGE FUSED AIR INTERRUPTER SWITCH ✱ FUSE RATING
	—	MEDIUM VOLTAGE FUSED MOTOR CONTROLLER
VOLTS_PRI XX_KVA VOLTS_SEC 3P/4W	T	TRANSFORMER, RATINGS AND CONNECTIONS AS NOTED. UNLESS OTHERWISE NOTED ON THE SINGLE LINE DIAGRAMS, ALL DRY TYPE TRANSFORMERS SERVICING ADMINISTRATIVE AND LABORATORY SPACES SHALL HAVE A K FACTOR OF 4. ISOLATION TRANSFORMERS SHALL HAVE A K-20 RATING
* A TO 5	—	CURRENT TRANSFORMER * QUANTITY A = PRIMARY AMPERES
* V TO 120	—	POTENTIAL TRANSFORMER * QUANTITY V = PRIMARY VOLTAGE
	G	GENERATOR, RATINGS AND CONNECTIONS AS NOTED
ATS N S 100A	—	AUTOMATIC OR MANUAL TRANSFER SWITCH NO.1 (ATS-1), (MTS-1) "N" INDICATES NORMAL OR PREFERRED SOURCE "S" INDICATES STANDBY OR ALTERNATE SOURCE 100A INDICATES CONTINUOUS CURRENT RATING
*	*	VARIABLE SPEED DRIVE CONTROLLER * D.C. = D.C. DRIVE CONTROLLER SCR = SILICON CONTROLLED RECTIFIER VFD = VARIABLE FREQUENCY DRIVE
#KW	E	UNIT HEATER – ELECTRIC HEATING COIL AND FAN # – RATING
—	U	UNIT HEATER – GAS FIRED, STEAM OR WATER HEATING COIL AND FAN
5	M	MOTOR, NUMERAL INDICATES HORSEPOWER
VS VM *	—	VOLTMETER WITH SWITCH, 3 PHASE
AS AM *	—	AMMETER WITH SWITCH, 3 PHASE

ONE LINE OR CONTROL DIAGRAM	PLAN	DESCRIPTION
*	—	METER * WM – WATTMETER WHM – WATTHOUR METER WHDM – WATTHOUR DEMAND METER WHDR – WATTHOUR DEMAND RECORDER PF – POWER FACTOR METER ETM – ELAPSED TIME METER TRANSDUCER AX – CURRENT TRANSDUCER WX – WATT TRANSDUCER WHX – WATTHOUR TRANSDUCER
*	*	RELAY, NO. AS INDICATED 25 – SYNCHRONISM CHECK RELAY 27 – UNDERVOLTAGE RELAY 32 – DIRECTIONAL POWER RELAY 38 – BEARING PROTECTIVE DEVICE 40 – LOSS OF EXCITATION RELAY 42 – RUNNING CONTACTOR/PILOT RELAY 46 – REVERSE PHASE/PHASE BALANCE/CURRENT RELAY 47 – PHASE SEQUENCE VOLTAGE RELAY 49 – MACHINE OR TRANSFORMER THERMAL RELAY 50/51 – INSTANTANEOUS/TIME OVERCURRENT RELAY 50G – INSTANTANEOUS GROUND 51 – TIME OVERCURRENT RELAY 51G – TIME OVERCURRENT RELAY, GROUNDING RESISTOR TYPE 51N – TIME OVERCURRENT RELAY, RESIDUAL TYPE 51V – TIME OVERCURRENT RELAY WITH VOLTAGE RESTRAINT 51X – AUXILIARY RELAY (TRIPS CB AND ALARMS) 59 – OVERVOLTAGE RELAY 60 – NEGATIVE SEQUENCE VOLTAGE RELAY 62 – TIME DELAY RELAY 63 – OVERPRESSURE RELAY 64 – GENERATOR FIELD GROUND RELAY 67 – AC DIRECTIONAL OVERCURRENT RELAY 74 – ALARM LATCHING RELAY 83 – AUTOMATIC SELECTIVE CONTROL OR TRANSFER RELAY 86 – LOCKING-OUT RELAY 87 – DIFFERENTIAL PROTECTIVE RELAY B – SUFFIX INDICATES "BUS" G – SUFFIX INDICATES "GENERATOR" GF – GROUND FAULT ST – SHUNT TRIP T – SUFFIX INDICATES "TRANSFORMER" X – SUFFIX INDICATES "AUXILIARY"
*	—	SPECIAL CAPACITOR * SC – SURGE CAPACITOR PF – POWER FACTOR CORRECTION CAPACITOR
*	—	TUNED POWER FACTOR CORRECTION CAPACITOR
	—	PUSHBUTTON, MOMENTARY CONTACT, SPRING RETURN, NORMALLY CLOSED
	—	PUSHBUTTON, MOMENTARY CONTACT, SPRING RETURN, NORMALLY OPEN
	ES	EMERGENCY STOP PUSHBUTTON WITH RED MUSHROOM HEAD OPERATOR (MAINTAINED CONTACT)
STOP START	PBL	START-STOP PUSHBUTTON CONTROL STATION (MOMENTARY CONTACT) WITH LOCKOUT DEVICE ON STOP
	PBM	START-STOP PUSHBUTTON CONTROL STATION, MAINTAINED CONTACT WITH LOCKOUT DEVICE ON STOP
OFF ON	S/S	OFF/ON SELECTOR SWITCH
L R (XO) (OX)	LR	LOCAL/REMOTE SELECTOR SWITCH
A B C* (XOO) (OXO) (OOX)	*	3 POSITION SELECTOR SWITCH, MAINTAINED CONTACT O–OPEN X–CLOSED

POSITION	TOP CONTACT	MIDDLE CONTACT	BOTTOM CONTACT
A	X	O	O
B	O	X	O
C	O	O	X

NAMEPLATE (A/B/C)
HOA – HAND/OFF/AUTO
HOR – HAND/OFF/REMOTE
LOR – LOCAL/OFF/REMOTE
RSL – RAISE/STOP/LOWER
TOA – TEST/OFF/AUTO

ONE LINE OR CONTROL DIAGRAM	PLAN	DESCRIPTION

GD/VF
#
	GD/VF
	#
		GAS DETECTOR / VENTILATION FAILURE ALARM
		# INDICATES TYPE OF UNIT
		1=MASTER, 2=REMOTE

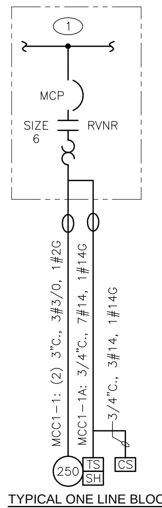
42 #	—	MOTOR STARTER COIL, NUMBER AS INDICATED TO DENOTE INTERLOCKING ONLY
CR #	—	CONTROL RELAY COIL, NUMBER AS INDICATED

ONE LINE OR CONTROL DIAGRAM	PLAN	DESCRIPTION
*	—	PILOT LIGHT, COLOR AS NOTED * R – RED G – GREEN B – BLUE W – WHITE A – AMBER
*	—	PILOT LIGHT, PUSH-TO-TEST TYPE, COLOR AS NOTED ABOVE.
* # RANGE SETPOINT		TIME DELAY RELAY RANGE AS NOTED SETPOINT AS NOTED # NUMBER AS INDICATED * TDE – TIME DELAY AFTER ENERGIZATION ON DELAY TDD – TIME DELAY AFTER DE-ENERGIZATION OFF DELAY
* NOTC NCTO NOTO NCTC		NOTC – NORMALLY OPEN, TIMED CLOSING WHEN ENERGIZED NCTO – NORMALLY CLOSED, TIMED OPENING WHEN ENERGIZED NOTO – NORMALLY OPEN, TIMED OPENING WHEN DE-ENERGIZED NCTC – NORMALLY CLOSED, TIMED CLOSING WHEN DE-ENERGIZED
—	* – ##	FIELD INSTRUMENT, TAG NO. AS INDICATED * INDICATES INSTRUMENT TYPE DEFINED ON LOOP SHEETS OR P & ID ## INDICATES LOOP NO.
	LS OR ■	LIQUID LEVEL (FLOAT) SWITCH NORMALLY OPEN, CLOSES ON RISING LEVEL NORMALLY CLOSED, OPENS ON RISING LEVEL
	PS OR ■	PRESSURE OR VACUUM SWITCH NORMALLY OPEN, CLOSES ON RISING PRESSURE NORMALLY OPEN, CLOSES ON DROPPING PRESSURE NORMALLY CLOSED, OPENS ON RISING PRESSURE NORMALLY CLOSED, OPENS ON DROPPING PRESSURE
	TS OR Ⓣ OR ■	TEMPERATURE SWITCH OR THERMOSTAT NORMALLY OPEN, CLOSES ON RISING TEMPERATURE NORMALLY OPEN, CLOSES ON DROPPING TEMPERATURE NORMALLY CLOSED, OPENS ON RISING TEMPERATURE NORMALLY CLOSED, OPENS ON DROPPING TEMPERATURE
	FS OR ■	FLOW SWITCH (AIR, WATER, ETC.) NORMALLY OPEN, CLOSES ON INCREASED FLOW NORMALLY CLOSED, OPENS ON INCREASED FLOW
	ZS OR ■	POSITION (LIMIT) SWITCH NORMALLY OPEN NORMALLY OPEN – HELD CLOSED NORMALLY CLOSED NORMALLY CLOSED – HELD OPEN
	WS OR ■	TORQUE SWITCH NORMALLY OPEN, CLOSES ON HIGH TORQUE NORMALLY CLOSED, OPENS ON HIGH TORQUE
#	—	UTILIZED IN CONJUNCTION WITH OTHER CONTROL SCHEMATIC SYMBOLS TO DEPICT THE PHYSICAL LOCATION OF THE DEVICE # REPRESENTS LOCATION SEE LOCATION LEGEND ON DRAWING
	—	CONDUCTORS OR CONDUITS CROSSING PATHS BUT NOT CONNECTED
	—	CONDUCTORS ELECTRICALLY CONNECTED
	S	SOLENOID VALVE

ONE LINE OR CONTROL DIAGRAM	PLAN	DESCRIPTION
LA	—	LIGHTNING ARRESTER
	◉	GROUND OR GROUND ROD
30A	—	FUSE, AMPERE RATING AS NOTED
	HTR	STRIP HEATER OR HEATING ELEMENT
	—	INDUCTOR
TG	TG	TACHOMETER GENERATOR
	—	CONTACT, NORMALLY OPEN (NO)
	—	CONTACT, NORMALLY CLOSED (NC)
	—	OVERLOAD RELAY HEATER
K	—	KEY INTERLOCK
TB	—	TERMINAL OR TEST BLOCK
RTD	—	RESISTANCE TEMPERATURE DETECTOR
VE OR VE	—	VIBRATION DETECTOR
DM	DM	DAMPER MOTOR
ETM	—	ELAPSED TIME METER
M	M	MOTOR OPERATED VALVE OR GATE
	—	INDICATES LIMITS OF ELECTRICAL EQUIPMENT OR WIRING ENCLOSURE

EXISTING WORK	NEW WORK	*FUTURE EXPANSION*

EXISTING, NEW OR FUTURE CONDITION DESIGNATION



TYPICAL ONE LINE BLOCK SHOWING POWER AND CONTROL TO EQUIPMENT

INDICATES CIRCUIT IS ROUTED THROUGH AN UNDERGROUND DUCTBANK. CONDUIT SIZE SHOWN INDICATES THE SIZE WITHIN STRUCTURE. UNDERGROUND DUCTBANK CONDUIT SIZE IS SHOWN IN DUCT BANK SCHEDULE.

MCC1-1: (2) 3"C., 3#3/0, 1#2G DENOTES A QUANTITY OF TWO (2) 3-INCH CONDUITS EACH CONTAINING THREE NO. 3/0 AWG CONDUCTORS AND 1 NO. 2 AWG GROUND CONDUCTOR, FROM NEMA SIZE 6 STARTER IN MCC-1 TO 250HP MOTOR LOAD.

MCC1-1A: 3/4"C., 7#14, 1#14G DENOTES ONE 3/4-INCH CONDUIT CONTAINING SEVEN NO. 14 AWG CONTROL CONDUCTORS AND 1 NO. 14 AWG GROUND CONDUCTOR.

MCC1-1 AND MCC1-1A: DENOTES CONDUIT IDENTIFICATION (ID) (TYPICAL)

NOTES:
1. PROTECTIVE/CONTROL DEVICE AS SHOWN.
2. CONTROL/AUXILIARY DEVICES AT OR NEAR EQUIPMENT. EQUIPMENT SHALL BE INSTALLED AND WIRED AS REQUIRED BY EQUIPMENT FURNISHED AND/OR CONTROL DIAGRAM.

NOTES:
1. IN GENERAL CONDUIT ROUTING FOR EQUIPMENT AND DEVICES IS NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ROUTING ALL CONDUITS WHICH SHALL INCLUDE CONDUITS SHOWN ON ONE-LINE AND RISER DIAGRAMS AND HOME-RUNS SHOWN ON PLAN DRAWINGS. REFER TO SPECIFICATIONS FOR MATERIALS AND INSTALLATION REQUIREMENTS.
2. THE WIRING DIAGRAMS, QUANTITY AND SIZE OF WIRES AND CONDUITS REPRESENT A SUGGESTED ARRANGEMENT BASED UPON SELECTED STANDARD COMPONENTS OF ELECTRICAL EQUIPMENT. MODIFICATIONS ACCEPTABLE TO THE ENGINEER MAY BE MADE BY THE CONTRACTOR TO ACCOMMODATE EQUIPMENT ACTUALLY PURCHASED. THE BASIC SEQUENCE AND METHOD OF CONTROL MUST BE MAINTAINED AS INDICATED ON THE DRAWINGS AND/OR SPECIFICATIONS.
3. SWITCHGEAR AND MOTOR CONTROL CENTER COMPARTMENT DESIGNATIONS AS INDICTED BELOW:
   - BLANK: NOT INTENDED FOR USE. PLATE ONLY
   - SPACE: EQUIPPED WITH REQUIRED BUS AND HARDWARE FOR THE FUTURE ADDITION OF BREAKERS AND/OR STARTERS WITHIN THE SIZE AND RANGE SHOWN
   - SPARE: CONTAINS A COMPLETELY INSTALLED BREAKER AND/OR STARTER OF SIZE AND TYPE INDICATED FOR FUTURE USE.
4. INTERPRETATION OF ELECTRICAL DRAWINGS: CIRCUIT IDENTIFICATION, ROUTING, AND SIZES OF CONDUITS AND WIRES ARE SHOWN ON THE FOLLOWING DRAWINGS:

A. POWER ONE LINE DIAGRAMS: POWER, CONTROL AND SIGNAL WIRING REQUIREMENTS FOR ELECTRICAL DISTRIBUTION EQUIPMENT AND UTILIZATION EQUIPMENT POWERED FROM SWITCHGEAR, SWITCHBOARDS, MOTOR CONTROL CENTERS AND MAJOR POWER DISTRIBUTION PANELBOARDS ARE TYPICALLY SHOWN ON THE ONE LINE DIAGRAMS. THE PARAMETERS IDENTIFIED ON THE ONE LINE DIAGRAMS ARE: CIRCUIT IDENTIFICATION, CIRCUIT ORIGIN AND DESTINATION, CONDUIT SIZE, WIRE SIZE AND QUANTITY FOR COMPLETE CIRCUIT LENGTH, AND AUXILIARY DEVICES ASSOCIATED WITH THE CONTROL/PROTECTION OF THE POWERED EQUIPMENT, AND SIZE OF THE GROUNDING ELECTRODE CONDUCTORS.

B. INSTRUMENTATION AND CONTROL RISER DIAGRAMS: POWER, CONTROL, SIGNAL AND DATA HIGHWAY WIRING REQUIREMENTS FOR INSTRUMENTS AND CONTROL DEVICES CONTROLLED/MONITORED FROM INSTRUMENTATION AND CONTROL PANELS SUCH AS RTUS, PLCS, TERMINAL CABINETS, AND REMOTE I/O PANELS ARE TYPICALLY SHOWN ON THE INSTRUMENTATION AND CONTROL ONE LINE DIAGRAMS. THE PARAMETERS IDENTIFIED ON THE ONE LINE DIAGRAMS ARE: CIRCUIT IDENTIFICATION, CIRCUIT ORIGIN AND DESTINATION, CONDUIT SIZE, WIRE SIZE, QUANTITY AND TYPE FOR COMPLETE CIRCUIT LENGTH, AND AUXILIARY DEVICES ASSOCIATED WITH THE CONTROL/PROTECTION OF THE POWERED EQUIPMENT.

C. FLOOR PLANS: FOR DETERMINING THE LENGTH OF CIRCUITS LOCATED WITHIN STRUCTURES, FLOOR PLANS SHOW THE LOCATION OF ELECTRICAL DISTRIBUTION EQUIPMENT, CONTROL PANELS, UTILIZATION EQUIPMENT, INSTRUMENTS, ANCILLARY EQUIPMENT AND DEVICES AND THE ANTICIPATED PENETRATION LOCATIONS WHERE CONDUITS EXIT/ENTER THE STRUCTURE. HOMERUNS MAY ALSO BE SHOWN FROM MISCELLANEOUS EQUIPMENT NOT SHOWN ON A ONE LINE OR RISER DIAGRAM.

D. SITE PLANS: FOR DETERMINING THE LENGTH OF CIRCUITS EXTERIOR TO STRUCTURES AND TO IDENTIFY THE SPECIFIC REQUIREMENTS OF THE UNDERGROUND CONDUITS OR DUCT BANKS, SITE PLANS SHOW THE GENERAL ROUTING OF UNDERGROUND CONDUITS AND DUCT BANKS WITH SECTIONS INDICATING THE CONDUIT SIZE, ARRANGEMENT AND CIRCUIT ROUTING.

E. NOTE THAT CONDUIT SIZE WITHIN STRUCTURE IS INDICATED ON ONE-LINE DIAGRAM AND UNDERGROUND SIZE IS INDICATED ON DUCT BANK SECTIONS.

GENERAL NOTE

THIS IS A STANDARD LEGEND. SOME SYMBOLS MAY NOT APPEAR ON THE DRAWINGS.

RECORD DRAWING

THIS RECORD DRAWING HAS BEEN PREPARED BASED ON A COMBINATION OF INFORMATION PROVIDED BY OTHERS AND BY CDM SMITH. TO THE BEST OF THE ENGINEER'S BELIEF AND KNOWLEDGE, THE INCLUDED RECORD INFORMATION IS REASONABLY ACCURATE.

By Eun Chu You Date 2/27/15

CDM Smith

1	2/27/15	DI	ECY	RECORD DRAWING
REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: B.J.FRANSEN
DRAWN BY: T.NGUYEN
SHEET CHK'D BY: C. PAGADUAN
CROSS CHK'D BY: E. YOU
APPROVED BY: S. NEDIC
DATE: JULY 23, 2014

WARNING
0 1/2" 1"
IF THIS BAR SCALE DOES NOT MEASURE 1" THIS DWG HAS BEEN REDUCED SCALE ACCORDINGLY

CDM Smith
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Irvine, California 92617
Tel: (949) 752-5452

BRADLEY J. FRANSEN
No. E 17427
EXP. 09-30-14
Bradley J. Fransen

CAMBRIA EMERGENCY WATER SUPPLY PROJECT
CAMBRIA COMMUNITY SERVICES DISTRICT

ELECTRICAL NOTES,
LEGEND AND ABBREVIATIONS
1 OF 2

PROJECT NO. 138760-104133
SHEET: 16 OF 37
DRAWING NO.
E-01

Exhibit 14

SYMBOL	DESCRIPTION
A 3 b	INCANDESCENT, COMPACT FLUORESCENT OR H.I.D. TYPE LIGHTING FIXTURE "A" – FIXTURE TYPE (SEE LIGHTING FIXTURE SCHEDULE) "b" – CONTROLLED BY SWITCH "b" "3" – CIRCUIT NUMBER
A ▭ 3 b	FLUORESCENT TYPE LIGHTING FIXTURE, NOTATIONS SAME AS ABOVE
A 3 b	WALL MOUNTED INCANDESCENT, COMPACT FLUORESCENT OR H.I.D. TYPE LIGHTING FIXTURE, NOTATIONS SAME AS ABOVE
A 3 OR A ▨ 3	CROSS HATCH INDICATES LIGHTING FIXTURE THAT IS UNSWITCHED AND SHALL REMAIN ON AT ALL TIMES. NOTATIONS SAME AS ABOVE.
A 3 b OR A 3 b	SHADED AREA INDICATES LIGHTING FIXTURE THAT IS EQUIPPED WITH EMERGENCY BACKUP POWER SOURCE. NOTATIONS SAME AS ABOVE.
A 3	POLE MOUNTED AREA H.I.D. TYPE LIGHTING FIXTURE, NOTATIONS SAME AS ABOVE
A 3	POLE MOUNTED ROADWAY H.I.D. TYPE LIGHTING FIXTURE, NOTATIONS SAME AS ABOVE
EM 3 (*)	EMERGENCY LIGHTING BATTERY UNIT WITH TWO LAMP HEADS "EM" – FIXTURE TYPE (SEE LIGHTING FIXTURE SCHEDULE) "3" – SUPERVISORY CIRCUIT * – FIXTURE TAG #
R–2 BU–1(*)	REMOTE EMERGENCY ADJUSTABLE WALL LIGHTING FIXTURE WITH TWO LAMP HEADS "R–2" – FIXTURE TYPE (SEE LIGHTING FIXTURE SCHEDULE) * – HOME RUN TO BATTERY UNIT INDICATED. CONDUIT SHALL BE 3/4" AND CONTAIN (2) NO. 12 AWG BRANCH CIRCUIT CONDUCTORS AND (1) NO. 12 AWG GROUND CONDUCTOR UNLESS OTHERWISE INDICATED.
A 3	COMBINATION BATTERY UNIT AND EXIT SIGN. FILLED QUADRANT REPRESENTS FACE SIDE OF SIGN.
A 3	CEILING MOUNTED EXIT SIGN, NOTATIONS SAME AS ABOVE. WHEN USED, ARROW INDICATES DIRECTION OF EGRESS. FILLED QUADRANT REPRESENTS FACE SIDE OF SIGN. (DOUBLE FACE DOUBLE CHEVRONS SHOWN)
A 3	WALL MOUNTED EXIT SIGN, NOTATIONS SAME AS ABOVE. WHEN USED, ARROW INDICATES DIRECTION OF EGRESS. FILLED QUADRANT REPRESENTS FACE SIDE OF SIGN.
RH–3 E 3 BU–1(*)	REMOTE EMERGENCY CEILING LIGHTING FIXTURE. "RH–3" – FIXTURE TYPE (SEE LIGHTING FIXTURE SCHEDULE) "3" – SUPERVISORY CIRCUIT * – HOME RUN TO BATTERY UNIT INDICATED. CONDUIT SHALL BE 3/4" AND CONTAIN 2 NO. 12 AWG BRANCH CIRCUIT CONDUCTORS AND 1 NO. 12 AWG GROUND CONDUCTOR UNLESS OTHERWISE INDICATED.
	HOME RUN TO DESIGNATED EQUIPMENT. BRANCH CIRCUIT CONDUIT WITH 2 NO. 12 AWG BRANCH CIRCUIT CONDUCTORS AND 1 NO. 12 AWG GROUND CONDUCTOR UNLESS OTHERWISE NOTED. NUMBER OF ARROWS INDICATE NUMBER OF CIRCUITS. FOR MINIMUM SIZE CONDUIT PERMITTED REFER TO THE SPECIFICATIONS.
	CONDUIT EXPOSED
	CONDUIT CONCEALED IN OR BELOW FLOOR OR UNDERGROUND.
	CONDUIT RUN EXPOSED. RUN PARALLEL OR PERPENDICULAR TO STRUCTURE OR WALL.
	'X' INDICATES EXPLOSION PROOF CONDUIT SEAL FITTING.
■■■■■■	CONCRETE ENCASED DUCTBANK. WIDTH VARIES, SEE DUCTBANK SECTION/DETAILS FOR REQUIREMENTS AND WIDTH
	CONDUIT STUBBED OUT AND CAPPED
(2) 3"C., 3#3/0, 1#2G	DENOTES A QUANTITY OF TWO (2) 3–INCH CONDUITS EACH CONTAINING THREE NO. 3/0 AWG CONDUCTORS AND 1 NO. 2 AWG GROUND CONDUCTOR.
2–2/C#16 SH	DENOTES A QUANTITY OF TWO INSTRUMENT CABLES. EACH CABLE TO CONSIST OF TWO NO. 16 AWG CONDUCTORS TWISTED TOGETHER AND COVERED WITH A METALLIC SHIELD AND AN OVERALL PROTECTIVE JACKET. REFER TO THE SPECIFICATIONS FOR THE EXACT CABLE TO BE PROVIDED.
2–3/C#16 SH	SAME AS ABOVE EXCEPT CABLE TO CONSIST OF THREE NO. 16 AWG CONDUCTORS TWISTED, SHIELDED AND COVERED WITH AN OVERALL PROTECTIVE JACKET. REFER TO THE SPECIFICATIONS FOR THE EXACT CABLE TO BE PROVIDED.
(3) 4"C.	THREE 4–INCH CONDUITS
	FLEXIBLE METAL CONDUIT "WHIP" (3/4"C., 2#12, 1#12G UNLESS OTHERWISE NOTED) FOR LIQUID TIGHT MOTOR CONNECTIONS
	'X' INDICATES CONDUIT SEAL FITTING IN OTHER THAN CODE REQUIRED LOCATIONS.
⊠	INDICATES MOTOR STARTER AND/OR MOTOR CONTROL EQUIPMENT WITHIN THE ENCLOSURE.

SYMBOL	DESCRIPTION
$\$_a$	SINGLE POLE SWITCH "a" INDICATES FIXTURES CONTROLLED.
$\$^2_a$	DOUBLE POLE SWITCH "a" INDICATES FIXTURES CONTROLLED.
$\$^3_c$	THREE WAY SWITCH "c" INDICATES FIXTURES CONTROLLED.
$\$^4_a$	FOUR WAY SWITCH "a" INDICATES FIXTURES CONTROLLED.
$\$^D_a$	DIMMER SWITCH "a" INDICATES FIXTURES CONTROLLED
$\$\mathrm{OS}$	SINGLE POLE SWITCH "OS" INDICATES A PASSIVE INFRARED OCCUPANCY SENSOR
$\$^2_{OS}$	DOUBLE POLE SWITCH "OS" INDICATES PROGRAMMABLE OCCUPANCY SENSOR CAPABLE OF INBOARD/OUTBOARD SWITCHING
$\$\mathrm{DT}$	SINGLE POLE SWITCH "DT" INDICATES DUAL TECHNOLOGY PROGRAMMABLE OCCUPANCY SENSOR CAPABLE OF SENSING MOTION AND SOUND
C 3	LIGHTING CONTACTOR WITH NUMBER OF POLES AS INDICATED
TM	TIME SWITCH
☐	PUSH BUTTON STATION
TYPE A	INDICATES ALL LIGHTING FIXTURES WITHIN THE ROOM OR AREA IN WHICH THIS NOTATION APPEARS SHALL BE TYPE "A" UNLESS OTHERWISE NOTED. SEE LIGHTING FIXTURE SCHEDULE FOR TYPES
☐	LIGHTING PANELBOARD (LP–#) SHOWN ON PLAN PER ACTUAL PANEL DIMENSIONS
☐	POWER PANELBOARD (PP–#) OR DISTRIBUTION PANELBOARD (DP–#) SHOWN ON PLAN PER ACTUAL PANEL DIMENSIONS
☐	LIGHTING CONTACTOR PANELBOARD (LCP–#) SHOWN ON PLAN PER ACTUAL PANEL DIMENSIONS
* 4	DUPLEX RECEPTACLE, 20A, 120V, 2P, 3W * GFCI – GROUND FAULT CIRCUIT INTERRUPTER TYPE WP – WEATHERPROOF T – TRANSIENT VOLTAGE SURGE SUPPRESSOR IC – ISOLATED GROUND 4 – CIRCUIT NUMBER
* 4	DUPLEX RECEPTACLE, 20A, 120V, 2P, 3W MOUNTED ABOVE COUNTER–TOP OR 42" AFF * NOTATIONS SAME AS ABOVE
* 3 60 4W	SPECIAL PURPOSE RECEPTACLE * – VOLT RATING "3" – NUMBER OF POLES "60" – AMPERE RATING "4W" – 4 WIRES IN ADDITION TO GROUND
	MULTI–OUTLET ASSEMBLY, SYMBOL DENOTES RECEPTACLE TYPE
	FLUSH FLOOR OUTLET BOX WITH TYPE OUTLET INDICATED
	UNDER FLOOR DUCT SYSTEM WITH TYPE OUTLETS INDICATED
	THREE CELL UNDER FLOOR DUCT SYSTEM JUNCTION BOX
J OR J ☐	JUNCTION BOX
P TC	PULL BOX TERMINAL CABINET
OS	OCCUPANCY SENSOR
PC	PHOTOCELL
ESA	EMERGENCY EYEWASH/SHOWER ALARM STATION WITH FLOW SWITCH(ES)
▨	INDICATED EQUIPMENT AND MATERIALS TO BE DEMOLISHED
DUST	INDICATES THAT ALL ELECTRICAL EQUIPMENT AND MATERIALS INSTALLED WITHIN THE ROOM OR AREA IN WHICH THIS NOTATION APPEARS SHALL BE OF NEMA 12 CONSTRUCTION (OR GASKETED AND SUITABLE FOR USE IN A WET LOCATION WHERE NEMA STANDARDS DO NOT APPLY) UNLESS OTHERWISE NOTED.
DAMP OR WET	INDICATES THAT ALL ELECTRICAL EQUIPMENT AND MATERIALS INSTALLED WITHIN THE ROOM OR AREA IN WHICH THIS NOTATION APPEARS SHALL BE OF NEMA 4X CONSTRUCTION (OR GASKETED AND SUITABLE FOR USE IN A WET LOCATION WHERE NEMA STANDARDS DO NOT APPLY) UNLESS OTHERWISE NOTED.
CORROSIVE	INDICATES THAT ALL ELECTRICAL EQUIPMENT AND MATERIALS INSTALLED WITHIN THE ROOM OR AREA IN WHICH THIS NOTATION APPEARS SHALL BE OF NEMA 4X CONSTRUCTION (OR CORROSION RESISTANT CONSTRUCTION SUITABLE FOR USE IN A WET LOCATION WHERE NEMA STANDARDS DO NOT APPLY) UNLESS OTHERWISE NOTED.
CLASS I, DIV. 1 GROUP D	INDICATES THAT ALL ELECTRICAL EQUIPMENT AND MATERIALS INSTALLED WITHIN THE ROOM OR AREA IN WHICH THIS NOTATION APPEARS SHALL CONFORM TO N.E.C. REQUIREMENTS FOR THE HAZARDOUS AREA CLASSIFICATION SHOWN.

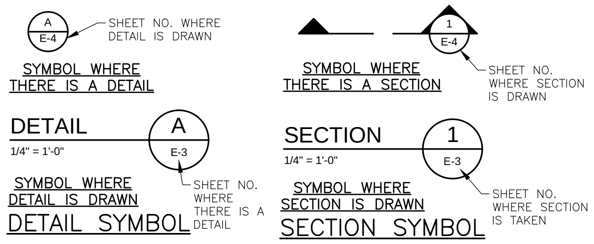
SYMBOL	DESCRIPTION
	GROUND SYSTEM GRID OR LOOP, 36" BELOW FINISHED GRADE UNLESS OTHERWISE NOTED.
	EXOTHERMIC WELD CONNECTION
⊙	3/4" x 10'–0" GROUND ROD. UNLESS SPECIFIED OTHERWISE.
⊙	GROUND ROD TEST WELL STATION (SEE DETAIL SHEET FOR REQUIREMENTS)
COMMUNICATION SYSTEMS	
▼K	TELEPHONE OUTLET FOR DESK TYPE HANDSET K = KEY SYSTEM
▼K	TELEPHONE OUTLET FOR WALL TYPE HANDSET (MOUNT UP 4'–6") K = KEY SYSTEM
▽	PAGE/PARTY TELEPHONE OUTLET FOR DESK TYPE HANDSET
▽	PAGE/PARTY TELEPHONE OUTLET FOR WALL TYPE HANDSET, MOUNT UP 4'–6"
S H W	PAGING SPEAKER, WALL MOUNTED H = HORN TYPE W = WIDE ANGLE TYPE
S W	PAGING SPEAKER, WALL MOUNTED, BI–DIRECTIONAL, HORN TYPE W = WIDE ANGLE TYPE
S	PAGING SPEAKER, FLUSH MOUNTED CEILING TYPE
S	PAGING SPEAKER, SURFACE MOUNTED CEILING TYPE
VC	REMOTE WALL MOUNTED VOLUME CONTROL FOR CEILING SPEAKER, MOUNT UP 5'–0"
A	PAGING SPEAKER AMPLIFIER ASSEMBLY
TM	TELEPHONE CABINET OR BACKBOARD AS NOTED
P OR C	"C" – DATA INPUT/OUTPUT CABLE OUTLET "P" – PROCESS COMPUTER SYSTEM (CAT6 RJ–45 JACK)

GD/VF #	GAS DETECTOR/VENTILATION FAILURE ALARM,
	# INDICATES TYPE OF UNIT.
	1 = MASTER, 2 = REMOTE

GB	GAS DETECTION/VENTILATION FAILURE WEATHERPROOF DUAL–LITE BEACON MOUNT TOP OF DEVICE UP 6'–8" A.F.F.
15 G	GAS DETECTION/VENTILATION FAILURE HORN/STROBE MOUNT TOP OF DEVICE UP 6'–8" A.F.F.
G	GAS DETECTION/VENTILATION FAILURE HORN, MOUNT TOP OF DEVICE UP 6'–8" A.F.F.
G	GAS DETECTION/VENTILATION FAILURE STROBE, MOUNT TOP OF DEVICE UP 6'–8" A.F.F.
SECURITY SYSTEMS	
SACP	SECURITY ALARM CONTROL PANEL
DS	SECURITY ALARM DOOR SWITCH
K	SECURITY ALARM KEY PAD
R	SECURITY SYSTEM CARD ACCESS READER
WS	SECURITY ALARM WINDOW SWITCH
	SECURITY ALARM MOTION DETECTOR
CCTV	CLOSED CIRCUIT TV CAMERA
PTZ	PAN, TILT, ZOOM CAMERA LENS CONTROLS
GB	GLASS BREAK DETECTOR
	FIRE ALARM SYSTEMS
H 200 R	FIRE ALARM HEAT DETECTOR 135 FIXED TEMPERATURE UNLESS OTHERWISE NOTED. "200" – 200 FIXED TEMPERATURE "R" – FIXED TEMPERATURE RATE–OF–RISE TYPE
I	FIRE ALARM SMOKE DETECTOR PHOTOELECTRIC TYPE UNLESS OTHERWISE NOTED. "I" – IONIZATION TYPE.
D	FIRE ALARM DUCT SMOKE DETECTOR
FACP	FIRE ALARM CONTROL PANEL
FV	FIRE ALARM VENTILATION PANEL WITH GRAPHIC PANEL
FA	REMOTE FIRE ALARM ANNUNCIATOR PANEL

SYMBOL	DESCRIPTION
F	FIRE ALARM MASTER BOX
F	FIRE ALARM HORN, MOUNT UP 7'–6"
15 F	FIRE ALARM STROBE, MOUNT UP 6'–8" 15 = CANDELA RATING
15 F	FIRE ALARM HORN AND STROBE LIGHT COMBINATION, MOUNT UP 6'–8" 15 = CANDELA RATING
F	FIRE ALARM MANUAL PULL STATION, MOUNT UP 4'–0"
VSS	SPRINKLER VALVE SUPERVISORY SWITCH
SFS	SPRINKLER FLOW ALARM SWITCH
F	FIRE ALARM BELL
FB	WEATHERPROOF HI–INTENSITY FIRE ALARM STROBE LIGHT WITH HORN
PIR	PASSIVE INFRARED DETECTOR
R	SMOKE BEAM DETECTOR (RECEIVER)
T	SMOKE BEAM DETECTOR (TRANSMITTER)
	FIRE ALARM SMOKE DETECTOR REMOTE INDICATOR AND TEST SWITCH

ABBREVIATIONS	
A	AMPS
AC	ALTERNATING CURRENT
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHF	ACTIVE HARMONIC FILTER
AL	ALUMINUM
AIC	AMPERE INTERRUPTING CAPACITY
AMP	AMPERE
ATS	AUTOMATIC TRANSFER SWITCH
AUTO	AUTOMATIC
AUX	AUXILIARY
AWG	AMERICAN WIRE GAUGE
BKR	BREAKER
BLDG	BUILDING
C	CONDUIT
CB	CIRCUIT BREAKER
CGD	COMBUSTIBLE GAS DETECTOR
CKT	CIRCUIT
CLB	CURRENT LIMITING BREAKER
CLF	CURRENT LIMITING FUSE
CP	CONTROL PANEL
CPT	CONTROL POWER TRANSFORMER
CR	CONTROL RELAY
CS	CONTROL SWITCH/CONTROL STATION
CT	CURRENT TRANSFORMER
CU	COPPER
CWS	CONDUIT WALL SEAL
DC	DIRECT CURRENT
DIA	DIAMETER
DMU	DIGITAL METERING UNIT
DN	DOWN
EC	EMPTY CONDUIT
ELEC	ELECTRICAL



ABBREVIATIONS (CONTINUED)	
ELEV	ELEVATION
EM	EMERGENCY
ENCL	ENCLOSURE OR ENCLOSED
EQUIP	EQUIPMENT
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
EX	EXISTING
FO	FIBER OPTIC
FU	FUSE
GCP	GENERATOR CONTROL PANEL
GEN	GENERATOR
G, GND	GROUND
GFI	GROUND FAULT INTERRUPTER
GRS	GALVANIZED RIGID STEEL
HACR	HEATING & AIR CONDITIONING RATED
HH	HANDHOLE
HT	HEIGHT
HID	HIGH INTENSITY DISCHARGE
HOA	HAND OFF AUTO
HP	HORSEPOWER
HZ	HERTZ
ID	IDENTIFICATION
INSTR	INSTRUMENT
K	KILO (PREFIX)
kcmil	1000 CIRCULAR MILS
KVA	KILOVOLT AMPERES
KW	KILOWATTS
LA	LIGHTING ARRESTER
LTG	LIGHTING
LP	LIGHTING PANEL
LV	LOW VOLTAGE
MAX	MAXIMUM
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MCP	MOTOR CIRCUIT PROTECTOR
MDP	MAIN DISTRIBUTION PANEL
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MLO	MAIN LUGS ONLY
MSC	MANUFACTURER SUPPLIED CABLE
MTD	MOUNTED
MTS	MANUAL TRANSFER SWITCH
MV	MEDIUM VOLTAGE
N	NEUTRAL
NC	NORMALLY CLOSED
NO	NORMALLY OPEN OR NUMBER
NTS	NOT TO SCALE
OH	OVERHEAD
OL	OVERLOAD
PB	PULL BOX
PCP	PUMP CONTROL PANEL
PH	PHASE
PMH	POWER MANHOLE
PNBD	PANELBOARD
PR	PAIR
PRI	PRIMARY
PT	POTENTIAL TRANSFORMER
PVC	POLYVINYL CHLORIDE
RECPT	RECEPTACLE
REQD	REQUIRED
QTY	QUANTITY
SA	SURGE ARRESTER
SEC	SECONDS OR SECONDARY
SH	SHIELDED OR SPACE HEATER
SHH	SIGNAL HANDHOLE
SPD	SURGE PROTECTIVE DEVICE
SS	STAINLESS STEEL
SV	SOLENOID VALVE
SW	SWITCH
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR
TC	TIME TO CLOSE OR TRAY CABLE
TEL	TELEPHONE
TO	TIME TO OPEN
TVSS	TRANSIENT VOLTAGE SURGE SUPRESSOR
TS	TWISTED SHIELDED OR THERMAL SWITCH
TYP	TYPICAL
UG	UNDERGROUND
UPS	UNINTERRUPTIBLE POWER SUPPLY
V	VOLTS
VA	VOLT AMPS
VFD	VARIABLE FREQUENCY DRIVE
W	WATTS, WIDTH, WITH, WIRE
WP	WEATHERPROOF
XP	EXPLOSION PROOF
XFMR	TRANSFORMER

GENERAL NOTE

THIS IS A STANDARD LEGEND. SOME SYMBOLS MAY NOT APPEAR ON THE DRAWINGS.

RECORD DRAWING

THIS RECORD DRAWING HAS BEEN PREPARED BASED ON A COMBINATION OF INFORMATION PROVIDED BY OTHERS AND BY CDM SMITH. TO THE BEST OF THE ENGINEER'S BELIEF AND KNOWLEDGE, THE INCLUDED RECORD INFORMATION IS REASONABLY ACCURATE.

By Eun Chu You Date 2/27/15

CDM Smith

REV. NO.	DATE	DRWN	CHKD	REMARKS
1	2/27/15	DI	ECY	RECORD DRAWING

DESIGNED BY: B.J.FRANSEN
DRAWN BY: T.NGUYEN
SHEET CHK'D BY: C. PAGADUAN
CROSS CHK'D BY: E. YOU
APPROVED BY: S. NEDIC
DATE: JULY 23, 2014

WARNING
0 1/2" 1"
IF THIS BAR SCALE DOES NOT MEASURE 1" THIS DWG HAS BEEN REDUCED SCALE ACCORDINGLY

CDM Smith
111 Academy Way, Suite 150
Irvine, California 92617
Tel: (949) 752-5452

BRADLEY J. FRANSEN
No. E 17427
EXP. 09–30–14
Bradley J. Fransen

1976

CAMBRIA EMERGENCY
WATER SUPPLY PROJECT
CAMBRIA COMMUNITY SERVICES DISTRICT

ELECTRICAL NOTES,
LEGEND AND ABBREVIATIONS
2 OF 2

PROJECT NO. 138760–104133
SHEET: 17 OF 37
DRAWING NO.
E-02

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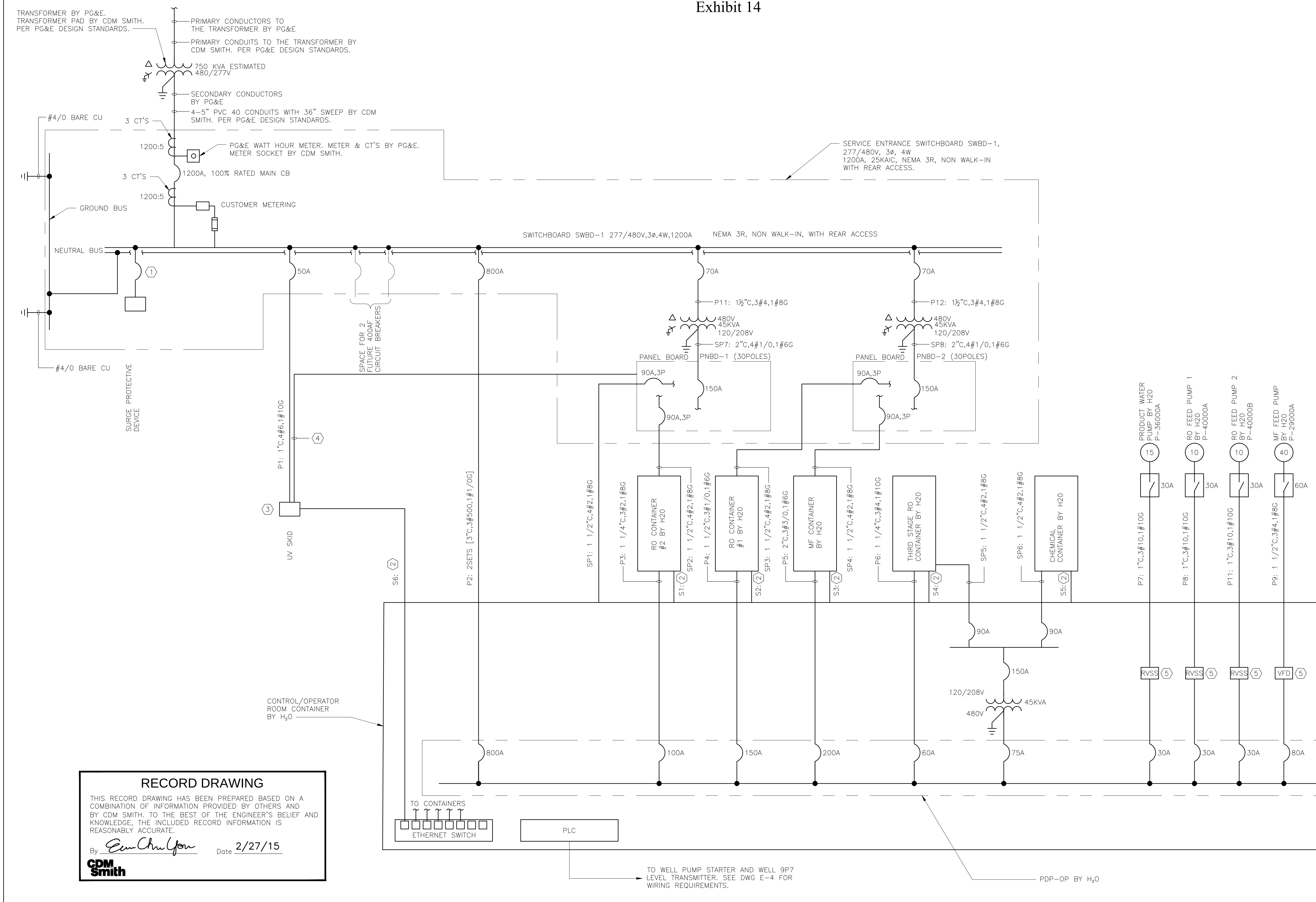
Exhibit 14



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By Eun Chu You Date 2/27/15

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GENERAL NOTES:

1. ALL WORK AND EQUIPMENT SHOWN ON THIS DRAWING IS PURCHASED AND INSTALLED BY CDM SMITH UNLESS CALLED OUT OTHERWISE.
2. ALL CONDUCTOR IS COPPER XHHW-2 ALL EXPOSED CONDUIT IS GALVANIZED RIGID STEEL. ALL BURIED OR CONCEALED CONDUIT IS PVC 40.
3. PG&E MAY CHARGE UP-FRONT COSTS FOR THE TRANSFORMER. CHECK WITH THEM BEFORE DETERMINING FINAL BID PRICE.
4. ALL WIRING SHOWN ON THIS DRAWING IS BY CDM SMITH. VENDOR WIRING IS NOT SHOWN. WIRING IS BASED ON PRELIMINARY DRAWINGS FROM H20 AND TROJAN. REFER TO FINAL H20 AND TROJAN DRAWINGS TO DETERMINE ACTUAL WIRING.

KEYED NOTES:

(1) BREAKER AMPERAGE SHALL BE DETERMINED BY THE MFR

(2) 3/4"C,CAT6 TO ETHERNET SWITCH

(3) UV SKID REQUIRES 277/480V.

(4) 2-20AMP, 1P CKTS FEEDING THE UV SKID.
SP10: 3/4"C, 4#12, 1#12G

(5) PROVIDED BY H2O.

APPROVED FOR CONSTRUCTION

REV. NO.	DATE	DRWN	CHKD	REMARKS
1	2/27/15	DI	ECY	RECORD DRAWING

DESIGNED BY: B.J.FRANSEN
DRAWN BY: K.RAY
SHEET CHK'D BY: C. PAGADUAN
CROSS CHK'D BY: E. YOU
APPROVED BY: S. NEDIC
DATE: JULY 23, 2014

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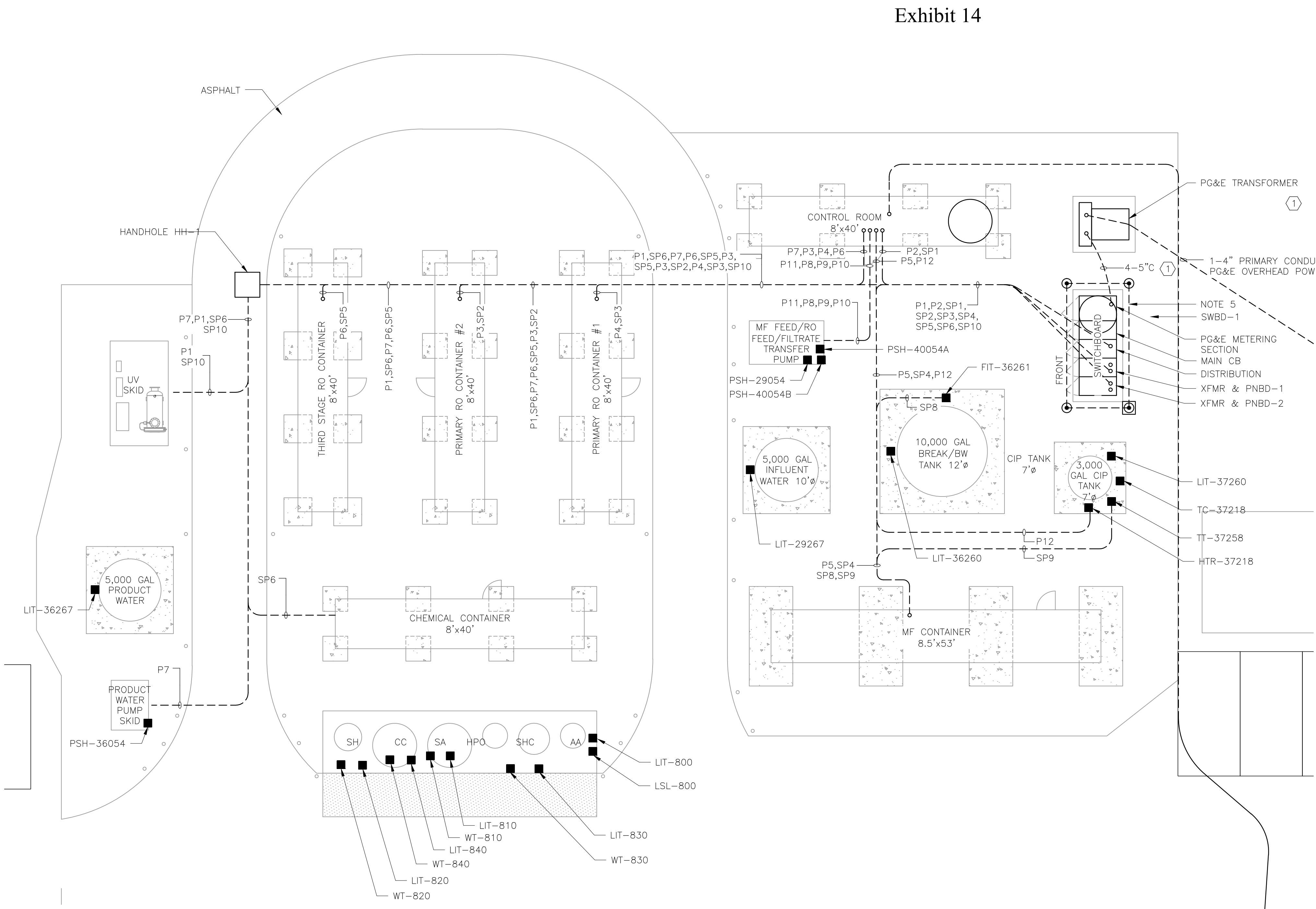
REGISTERED PROFESSIONAL ENGINEER
BRADLEY J. FRANSEN
No. E 17427
EXP. 09-30-14
ELECTRICAL
STATE OF CALIFORNIA
Bradley J. Fransen

CAMBRIA EMERGENCY
WATER SUPPLY PROJECT
CAMBRIA COMMUNITY SERVICES DISTRICT

ELECTRICAL
SINGLE LINE DIAGRAM - AWTP

PROJECT NO. 138760-104133
SHEET: 18 OF 37
DRAWING NO.
E-03

Exhibit 14



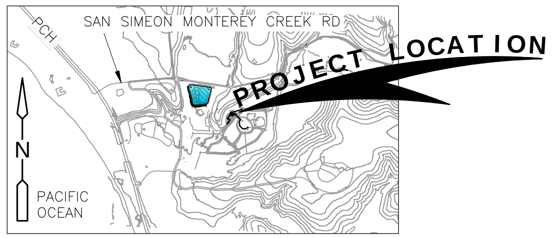
LEGEND

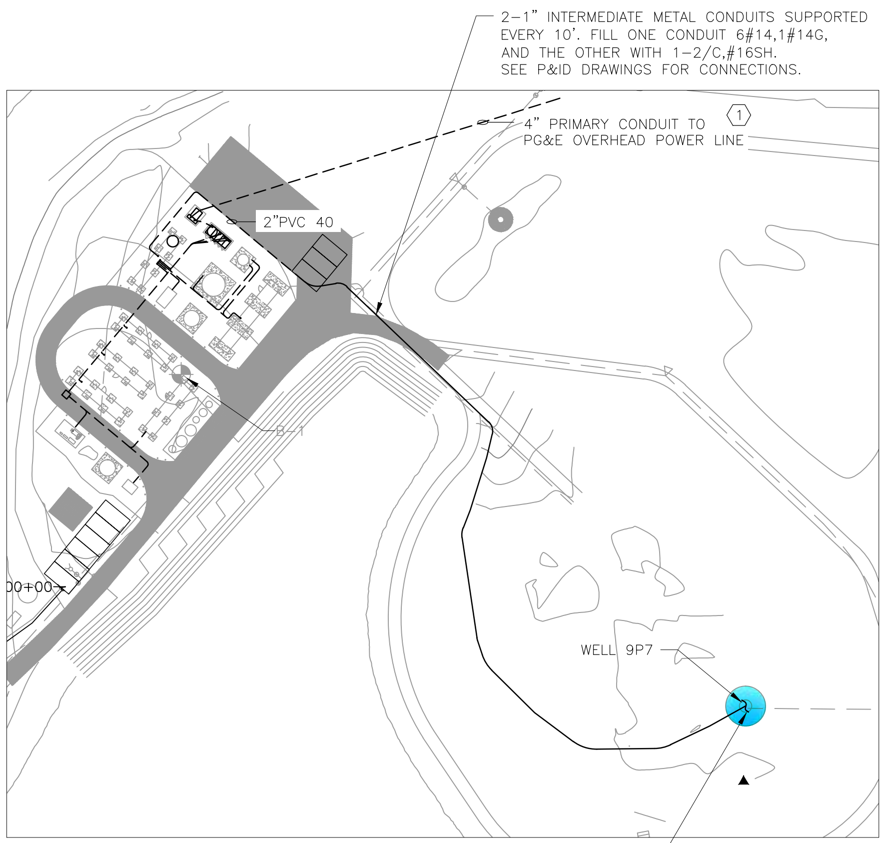
- - - - CONCEALED OR BURIED CONDUIT

——— EXPOSED CONDUIT

P = 480V CIRCUIT

SP = 120/208V CIRCUIT





DEMO THE EXISTING WELL PUMP STARTER. PURCHASE & INSTALL A NEW SIZE 3 FVNR COMBINATION STARTER NEMA 3R CONSTRUCTION. STARTER SHALL HAVE AN HOA SWITCH WITH A DRY AUTO CONTACT FOR CONNECTION TO THE PLC. EXISTING WELL PUMP MOTOR IS 20HP, 230V, 3PH.

1" = 60'
30 0 60

GENERAL NOTES:

1. ALL EXPOSED CONDUIT SHALL BE GRS. ALL BURIED OR CONCEALED CONDUIT SHALL BE PVC 40. ALL BURIED CONDUIT SHALL BE CONCRETE ENCASE. REINFORCING IS NOT REQUIRED.
2. NOT USED
3. THIS PLAN SHOWS POWER CKTS ONLY. ROUTING OF INSTRUMENTATION AND CONTROL CKTS SHALL FOLLOW THE SAME GENERAL ROUTING.
4. ALL WIRING SHOWN ON THIS DWG IS BY CDM SMITH. VENDOR WIRING IS NOT SHOWN.
5. #4/0 BARE CU GROUND GRID.

KEYED NOTES:

① SEE PG&E DESIGN DRAWING 31082932. PG&E CONTACT IS JAMES HAAS (805)546-5234.

RECORD DRAWING

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By Eun Chu You Date 2/27/15

CDM Smith

N

1" = 10'
5 0 10

REV. NO.	DATE	DRWN	CHKD	REMARKS
1	2/27/15	DI	ECY	RECORD DRAWING

DESIGNED BY: B.J.FRANSEN
DRAWN BY: K.RAY
SHEET CHK'D BY: C. PAGADUAN
CROSS CHK'D BY: E. YOU
APPROVED BY: S. NEDIC
DATE: JULY 23, 2014

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REGISTERED PROFESSIONAL ENGINEER BRADLEY J. FRANSEN No. E 17427 EXP. 09-30-16 ELECTRICAL STATE OF CALIFORNIA
Bradley J. Fransen

CAMBRIA COMMUNITY SERVICES DISTRICT 1976

CAMBRIA EMERGENCY WATER SUPPLY PROJECT
CAMBRIA COMMUNITY SERVICES DISTRICT

ELECTRICAL
POWER AND CONTROL PLAN - AWTP

PROJECT NO. 138760-104133
SHEET: 19 OF 37
DRAWING NO.
E-04

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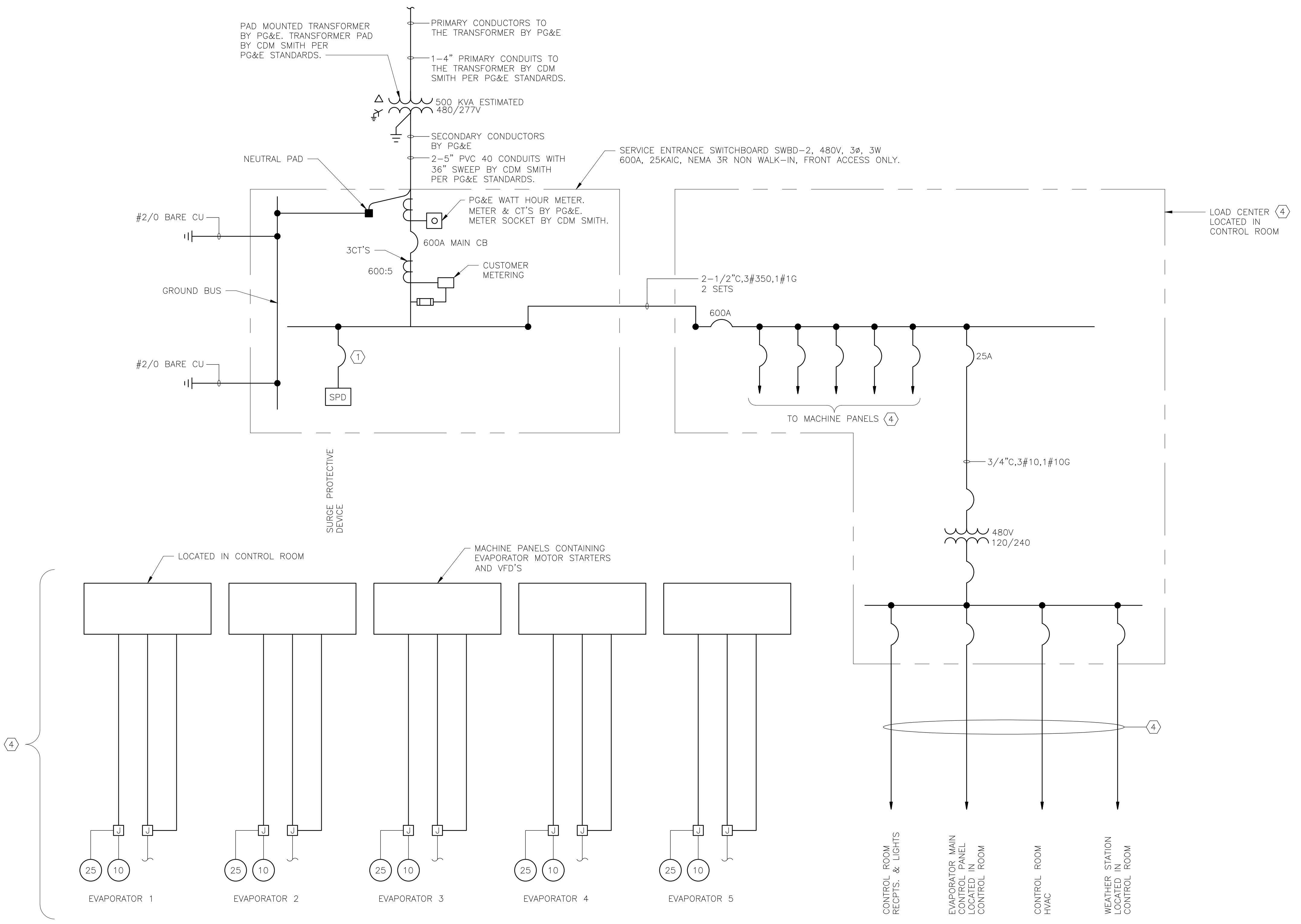
Exhibit 14



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3. PG&E MAY CHARGE UP-FRONT COSTS FOR THE TRANSFORMER. CHECK WITH THEM BEFORE DETERMINING FINAL BID PRICE.

KEYED NOTES:

① BREAKER AMPERAGE SHALL BE DETERMINED BY THE MFR.
② NOT USED
③ NOT USED
④ PROVIDED BY EVAPORATOR VENDOR.

RECORD DRAWING

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By Eun Chu You Date 2/27/15

CDM Smith

REV. NO.	DATE	DRWN	CHKD	REMARKS
1	2/27/15	DI	ECY	RECORD DRAWING

DESIGNED BY: B.J.FRANSEN
DRAWN BY: K.RAY
SHEET CHK'D BY: C. PAGADUAN
CROSS CHK'D BY: E. YOU
APPROVED BY: S. NEDIC
DATE: JULY 23, 2014

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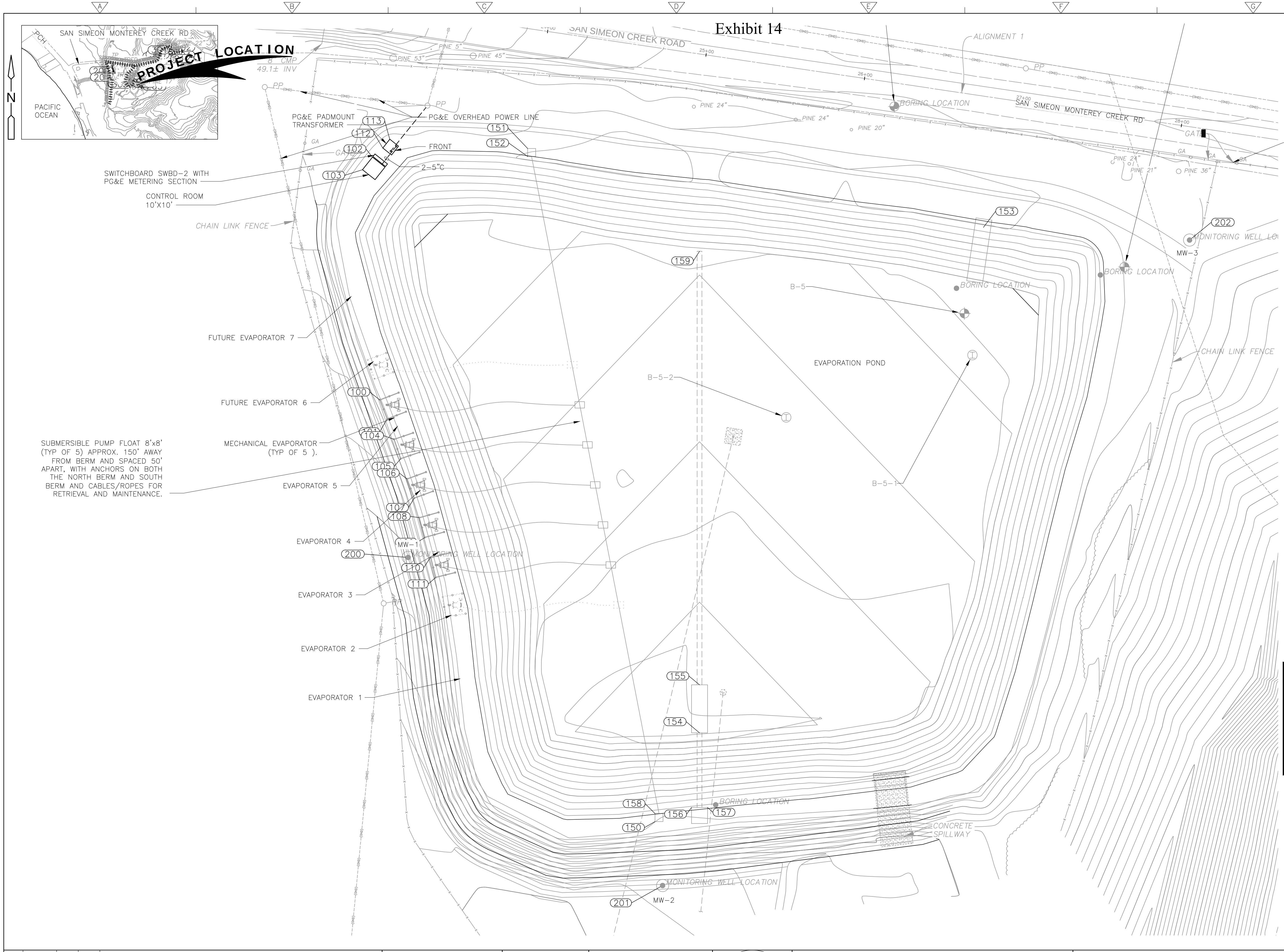
BRADLEY J. FRANSEN
No. E 17427
EXP. 09-30-14
Bradley J. Fransen

CAMBRIA EMERGENCY
WATER SUPPLY PROJECT
CAMBRIA COMMUNITY SERVICES DISTRICT

ELECTRICAL
SINGLE LINE DIAGRAM-
EVAPORATION POND

PROJECT NO. 138760-104133
SHEET: 20 OF 37
DRAWING NO.
E-05

Exhibit 14



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By Eu Chu You Date 2/27/15

CDM Smith

N

1" = 30'

15 0 30

REV. NO.	DATE	DRWN	CHKD	REMARKS
1	2/27/15	DI	ECY	RECORD DRAWING

DESIGNED BY: B.J.FRANSEN
DRAWN BY: K.RAY
SHEET CHK'D BY: C. PAGADUAN
CROSS CHK'D BY: E. YOU
APPROVED BY: S. NEDIC
DATE: JULY 23, 2014

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Bradley J. Fransen

CAMBRIA EMERGENCY
WATER SUPPLY PROJECT
CAMBRIA COMMUNITY SERVICES DISTRICT

ELECTRICAL POWER AND CONTROL
EVAPORATION POND PLAN

PROJECT NO. 138760-104133
SHEET: 21 OF 37
DRAWING NO.
E-06

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Exhibit 14

PANELBOARD PNBD-1

150 AMP MAIN BREAKER
150 AMP BUS RATING **30** POLES
208/120 VOLTS **3** PHASE **4** WIRE **60 Hz.**
10 KA SHORT CIRCUIT RATING
ELECTRONIC GRADE: **NO**
LOCATION: **SWBD-1**
ENCLOSURE RATING: **NEMA 1** ,
MOUNTING: **SURFACE**

CIRCUIT NO.	DESCRIPTION	LOAD KVA PHASE A	LOAD KVA PHASE B	LOAD KVA PHASE C	BREAKER AMPS/ POLES	NOTES	CIRCUIT NO.	DESCRIPTION	LOAD KVA PHASE A	LOAD KVA PHASE B	LOAD KVA PHASE C	BREAKER AMPS/ POLES	NOTES
1	SPARE				20 /1		2	SPARE	0			20 /2	
3	CONTROL ROOM CONTAINER		5.4		90 /3		4			0			
5				5.4			6	SPARE			0	/1	
7		5.4					8	SPARE	0			/1	
9	PRIMARY RO CONTAINER 2		5.4		90 /3		10	SPARE		0		/1	
11				5.4			12	SPARE				15 /1	
13		5.4					14	SPARE				15 /1	
15					20 /2		16	SPARE				15 /1	
17	SPARE						18	UV SKID			0.6	20 /1	
19	SPARE				20 /1		20	UV SKID	0.6			20 /1	
21	SPARE				20 /1		22	SPACE				/1	
23	SPARE				20 /1		24	SPACE				/1	
25	SPARE				20 /1		26	SPACE				/1	
27	SPARE				20 /1		28	SPACE				/1	
29	SPARE				20 /1		30	SPACE				/1	
	TOTAL PHASE KVA THIS SIDE	10.8	10.8	10.8				TOTAL PHASE KVA THIS SIDE	0.6	0	0.6		
								TOTAL KVA PER PHASE	11.4	10.8	11.4		
								TOTAL THREE PHASE KVA		33.6			

NOTES:
1. PROVIDE LOCKING HARDWARE
3. 30 ma GFI CIRCUIT BREAKER FOR EQUIPMENT PROTECTION ONLY (HEAT TRACE)
5. BRANCH CIRCUIT WIRING: 3/4"C, 3#12 & 1#12G
7. BRANCH CIRCUIT WIRING: 3/4"C, 2#12 & 1#12G

NOTES CONT.:
2. 5 ma GROUND FAULT INTERRUPTER (GFI) CIRCUIT BREAKER
4. PROVIDE LOCKING HARDWARE & PAINT BREAKER HANDLE RED (FACP)
6. BRANCH CIRCUIT WIRING: 3/4'C, 3#10 & 1#12G
8.

PANELBOARD PNBD-2

150 AMP MAIN BREAKER
150 AMP BUS RATING **30** POLES
208/120 VOLTS **3** PHASE **4** WIRE **60 Hz.**
10 KA SHORT CIRCUIT RATING
ELECTRONIC GRADE: **NO**
LOCATION: **SWBD-1**
ENCLOSURE RATING: **NEMA 1** ,
MOUNTING: **SURFACE**

CIRCUIT NO.	DESCRIPTION	LOAD KVA PHASE A	LOAD KVA PHASE B	LOAD KVA PHASE C	BREAKER AMPS/ POLES	NOTES	CIRCUIT NO.	DESCRIPTION	LOAD KVA PHASE A	LOAD KVA PHASE B	LOAD KVA PHASE C	BREAKER AMPS/ POLES	NOTES
1	SPARE				20 /1		2	SPACE				/1	
3	MF CONTAINER		5.4		90 /3		4	SPACE				/1	
5				5.4			6	PRIMARY RO CONTAINER 1			5.4	90 /3	
7		5.4					8		5.4				
9	SPARE				20 /1		10			5.4			
11	SPARE				20 /1		12	SPARE			0	/1	
13	SPARE				20 /1		14	SPARE	0			/1	
15	SPARE				20 /1		16	SPARE		0		/1	
17	SPARE				20 /1		18	SPACE				/1	
19	SPARE				20 /1		20	SPACE				/1	
21	SPARE				15 /1		22	SPACE				/1	
23	SPARE				15 /1		24	SPACE				/1	
25	SPARE				15 /1		26	SPACE				/1	
27	SPARE				15 /1		28	SPACE				/1	
29	SPARE				15 /1		30	SPACE				/1	
	TOTAL PHASE KVA THIS SIDE	5.4	5.4	5.4				TOTAL PHASE KVA THIS SIDE	5.4	5.4	5.4		
								TOTAL KVA PER PHASE	10.8	10.8	10.8		
								TOTAL THREE PHASE KVA		32.4			

NOTES:
1. PROVIDE LOCKING HARDWARE
3. 30 ma GFI CIRCUIT BREAKER FOR EQUIPMENT PROTECTION ONLY (HEAT TRACE)
5. BRANCH CIRCUIT WIRING: 3/4"C, 3#12 & 1#12G
7. BRANCH CIRCUIT WIRING: 3/4"C, 2#12 & 1#12G

NOTES CONT.:
2. 5 ma GROUND FAULT INTERRUPTER (GFI) CIRCUIT BREAKER
4. PROVIDE LOCKING HARDWARE & PAINT BREAKER HANDLE RED (FACP)
6. BRANCH CIRCUIT WIRING: 3/4'C, 3#10 & 1#12G
8.

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By Een Chu You Date 2/27/15

CDM Smith

REV. NO.	DATE	DRWN	CHKD	REMARKS
1	2/27/15	DI	ECY	RECORD DRAWING

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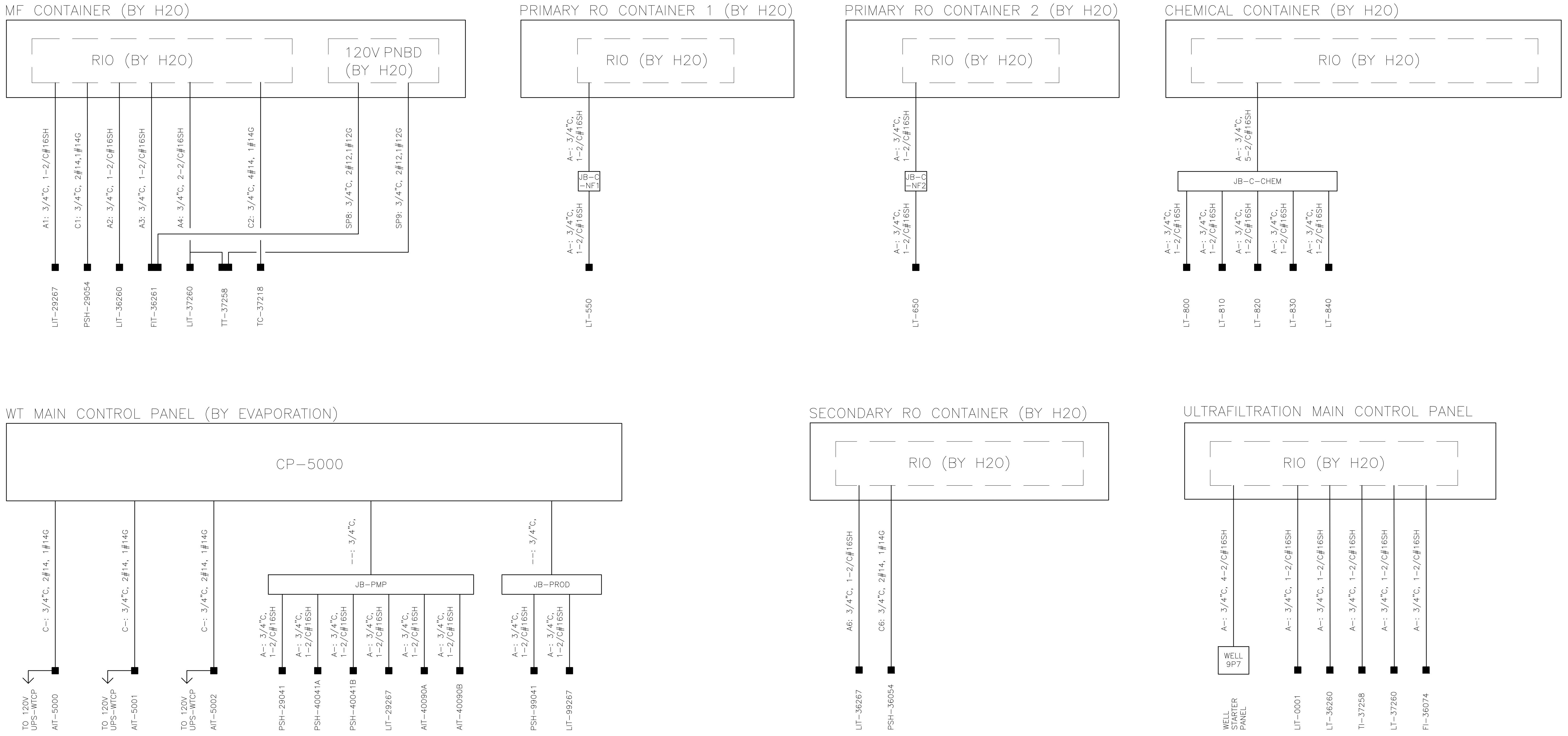
No. E 17427
EXP. 09-30-14
Bradley J. Fransen

CAMBRIA EMERGENCY WATER SUPPLY PROJECT
CAMBRIA COMMUNITY SERVICES DISTRICT

ELECTRICAL
LIGHTING PANEL BOARD
AND FIXTURE SCHEDULES

PROJECT NO. 138760-104133
SHEET: 22 OF 37
DRAWING NO.
E-07

Exhibit 14



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By Eun Chu You Date 2/27/15

CDM Smith

GENERAL NOTES:

1. ALL WIRING SHOWN ON THIS DWG IS BY CDM SMITH. VENDOR WIRING IS NOW SHOWN. WIRING IS BASED ON PRELIMINARY DRAWINGS FROM H2O. REFER TO FINAL H2O DRAWINGS TO DETERMINE ACTUAL WIRING.

REV. NO.	DATE	DRWN	CHKD	REMARKS
1	2/27/15	DI	ECY	RECORD DRAWING

DESIGNED BY: B.J.FRANSEN
DRAWN BY: T.NGUYEN
SHEET CHK'D BY: C. PAGADUAN
CROSS CHK'D BY: E. YOU
APPROVED BY: S. NEDIC
DATE: JULY 23, 2014

WARNING
0 1/2" 1"
IF THIS BAR SCALE DOES NOT MEASURE 1" THIS DWG HAS BEEN REDUCED SCALE ACCORDINGLY

CDM Smith
111 Academy Way, Suite 150
Irvine, California 92617
Tel: (949) 752-5452

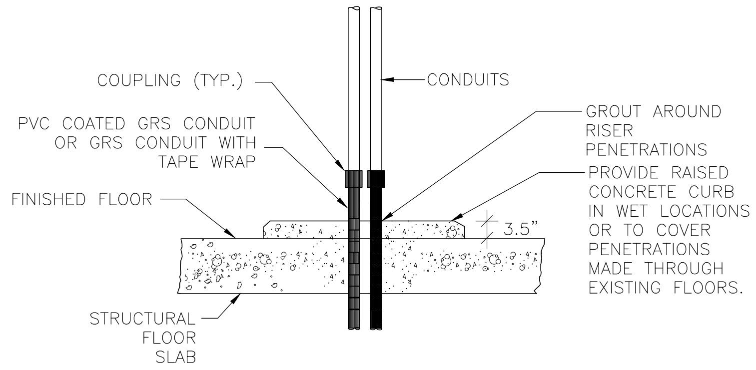
BRADLEY J. FRANSEN
No. E 17427
EXP. 09-30-1
Bradley J. Fransen

CAMBRIA EMERGENCY WATER SUPPLY PROJECT
CAMBRIA COMMUNITY SERVICES DISTRICT

INSTRUMENTATION AND CONTROL
SINGLE LINE DIAGRAM

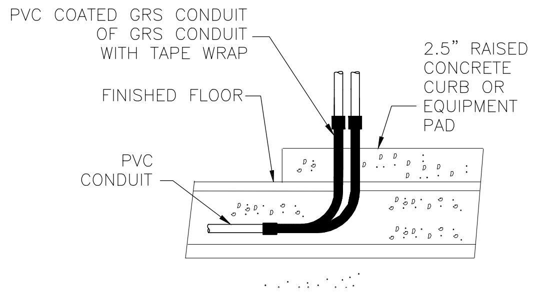
PROJECT NO. 138760-104133
SHEET: 23 OF 37
DRAWING NO.
E-08

Exhibit 14



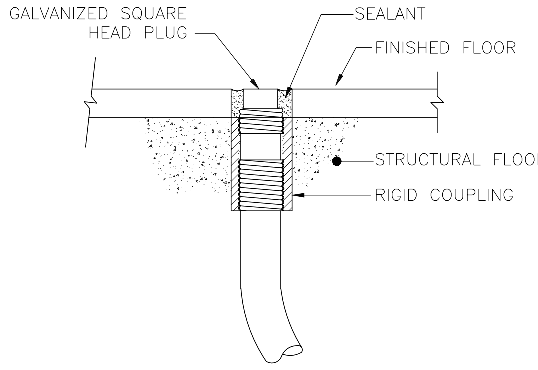
TYPICAL CONDUIT FLOOR PENETRATION SECTION

DETAIL A
NTS
–



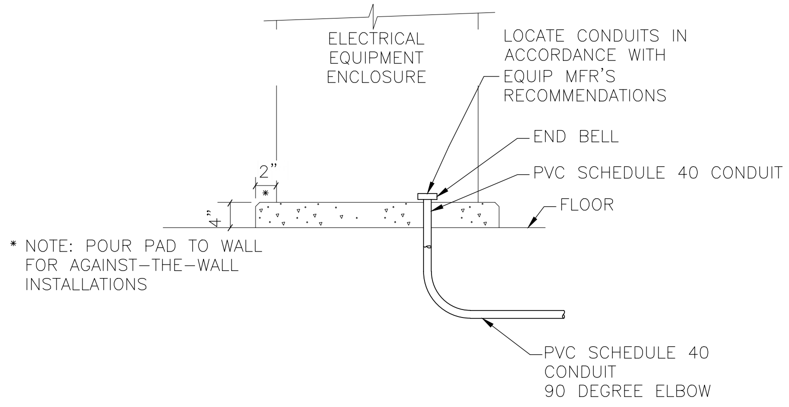
TYPICAL EMBEDDED CONDUIT STUB–UP SECTION

DETAIL B
NTS
–



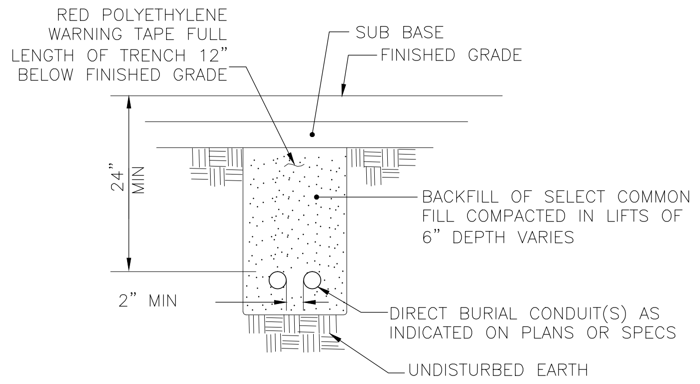
FUTURE CONDUIT TERMINATION IN FLOOR

DETAIL D
NTS
–



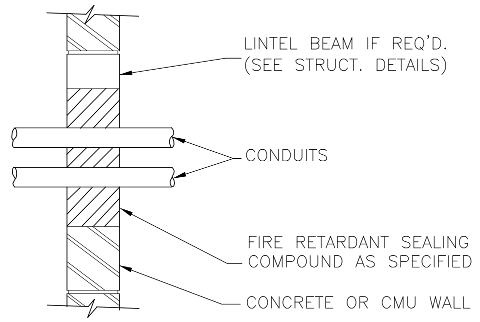
ELECTRICAL EQUIPMENT PAD

DETAIL E
NTS
–



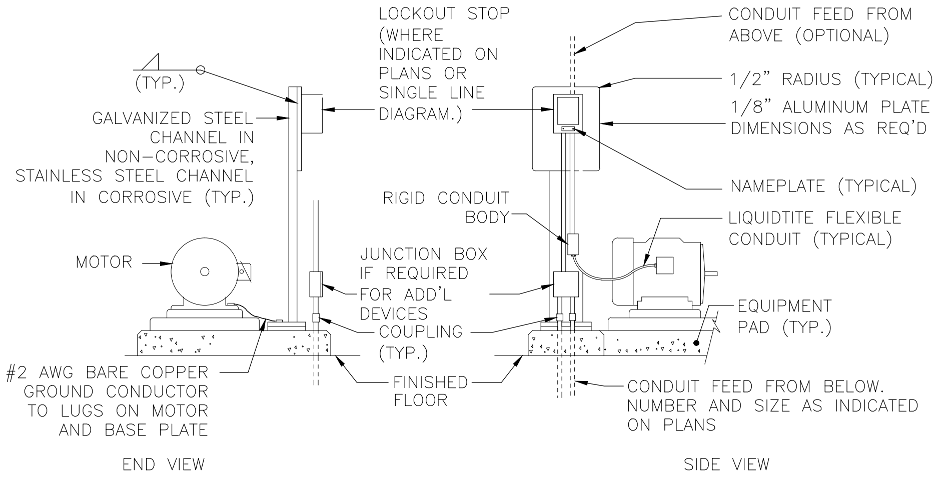
DIRECT BURIED CONDUIT

DETAIL G
NTS
–



TYPICAL ABOVE GRADE WALL NON WATERTIGHT CONDUIT PENETRATION

DETAIL H
NTS
–



TYPICAL MOTOR INSTALLATION

DETAIL F
NTS
–

RECORD DRAWING

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By ______ Date 2/27/15

CDM Smith

GENERAL NOTES:

1. STANDARD DETAILS APPLY TO ALL RELEVANT LOCATIONS WHETHER SPECIFICALLY REFERENCED OR NOT.

REV. NO.	DATE	DRWN	CHKD	REMARKS
1	2/27/15	DI	ECY	RECORD DRAWING

DESIGNED BY: B.J.FRANSEN
DRAWN BY: T.NGUYEN
SHEET CHK'D BY: C. PAGADUAN
CROSS CHK'D BY: E. YOU
APPROVED BY: S. NEDIC
DATE: JULY 23, 2014

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BRADLEY J. FRANSEN
No. E 17427
EXP. 09-30-16

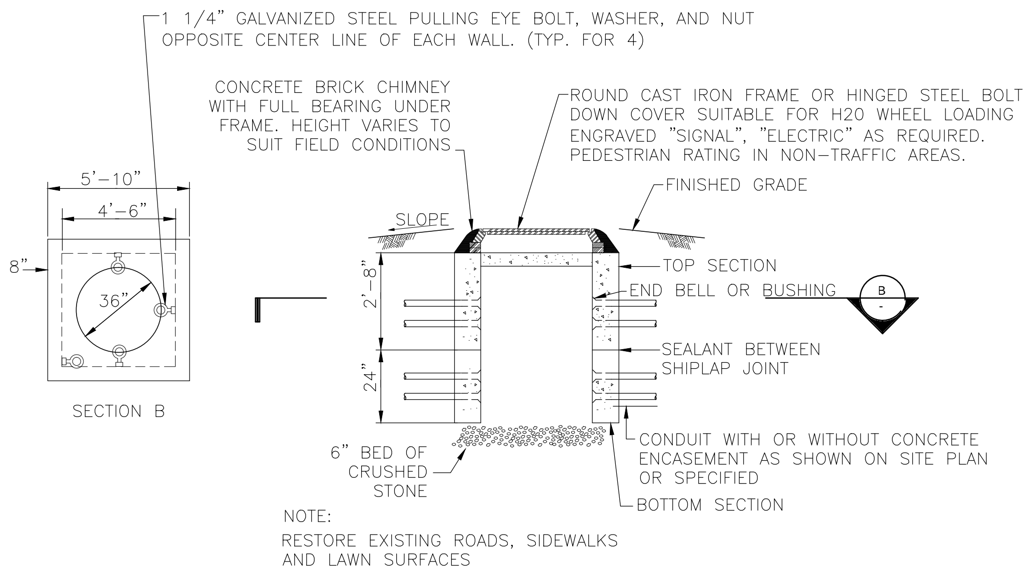
Bradley J. Fransen

CAMBRIA EMERGENCY WATER SUPPLY PROJECT
CAMBRIA COMMUNITY SERVICES DISTRICT

ELECTRICAL DETAILS 1 OF 2

PROJECT NO. 138760–104133
SHEET: 24 OF 37
DRAWING NO.
E-09

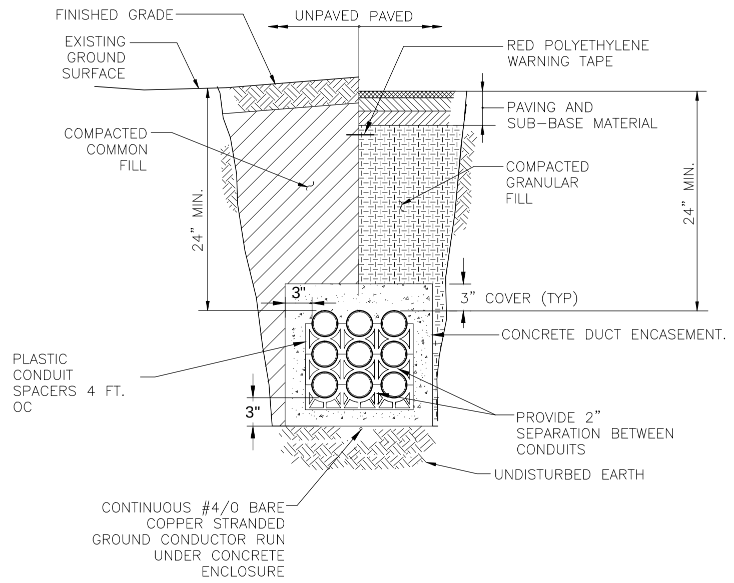
Exhibit 14



ELECTRICAL HANDHOLE

DETAIL M

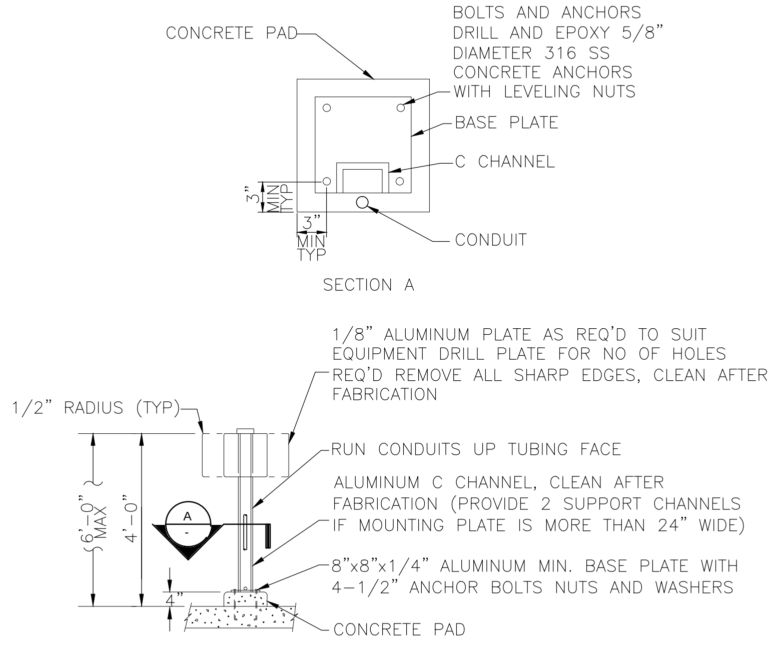
NTS



UNDERGROUND DUCT BANK

DETAIL K

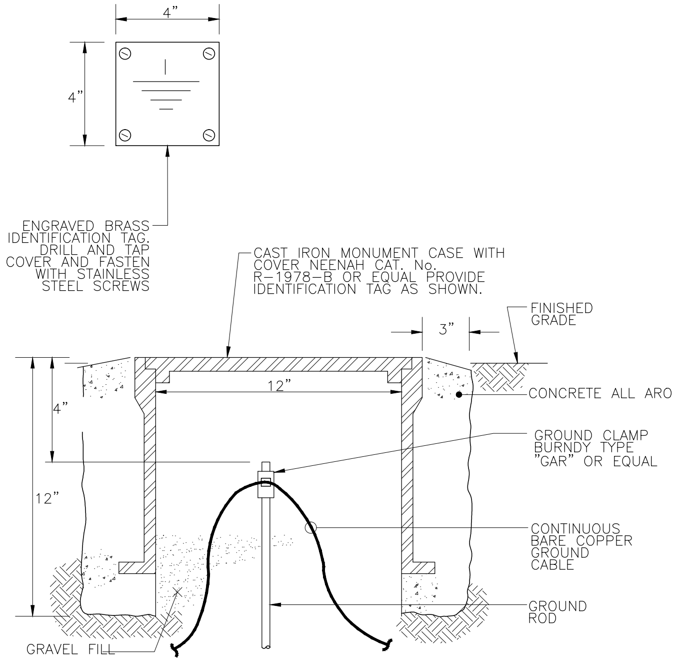
NTS



EQUIPMENT MOUNTING STAND

DETAIL L

NTS



GROUND ROD AND WELL

DETAIL N

N.T.S.

RECORD DRAWING

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By

Date 2/27/15

CDM Smith

GENERAL NOTES:

1. STANDARD DETAILS APPLY TO ALL RELEVANT LOCATIONS WHETHER SPECIFICALLY REFERENCED OR NOT.

1	2/27/15	DI	ECY	RECORD DRAWING
REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: B.J,FRANSEN
DRAWN BY: T.NGUYEN
SHEET CHK'D BY: C. PAGADUAN
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No. E 17427
EXP. 09-30-14
Bradley J. Fransen

CAMBRIA EMERGENCY WATER SUPPLY PROJECT
CAMBRIA COMMUNITY SERVICES DISTRICT

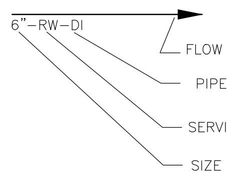
ELECTRICAL DETAILS 2 OF 2

PROJECT NO. 138760-104133
SHEET: 25 OF 37
DRAWING NO.
E-10

C:\cdmxm\islasjd\d1637087\E-10.dwg SAVED:2/13/15 PRINTED:2/13/15 BY:ISLASJD

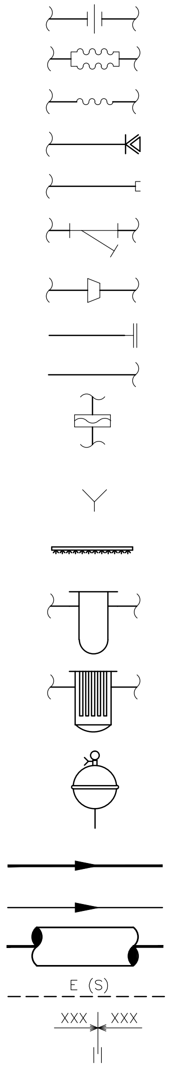
Exhibit 14

TYPICAL PIPE TAG NUMBERS & DESIGNATION



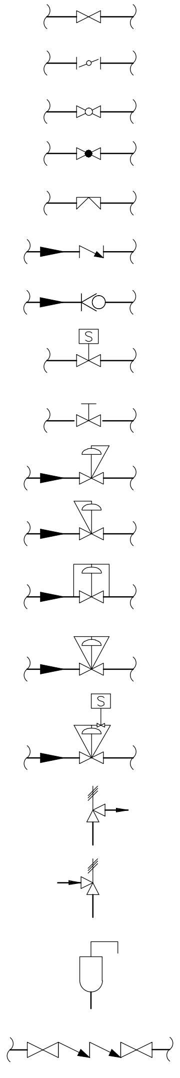
FLOW DIRECTION
PIPE MATERIALS (SEE D2-003)
SERVICE (SEE D2-003)
SIZE

PIPE LINE SYMBOLS



PIPE UNION
FLEXIBLE BELLOWS TYPE COUPLING
FLEXIBLE COUPLING (GENERAL SYMBOL)
QUICK CONNECT TYPE COUPLING
HOSE CONNECTION
Y-STRAINER
REDUCER/ENLARGER
BLIND FLANGE
CONTINUED PIPE
DIAPHRAGM SEAL
OPEN EQUIPMENT DRAIN
DIFFUSER
BASKET STRAINER
FILTER
PULSATION DAMPENER
MAJOR PROCESS LINE
MINOR PROCESS LINE
DOUBLE WALLED PIPE
ELECTRIC (OR STEAM) TRACING
PIPE MATERIAL TRANSITION

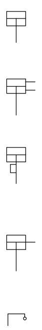
VALVE SYMBOLS



GATE VALVE (GV)
BUTTERFLY VALVE (BFV)
BALL VALVE (BV)
GLOBE VALVE (GLV)
DIAPHRAGM VALVE (DV)
SWING CHECK VALVE (CV)
BALL CHECK VALVE (BCV)
SOLENOID VALVE (SV)
HAND VALVE (HV)
PRESSURE REGULATING VALVE (PREGV)
BACK PRESSURE REGULATING VALVE (BPV)
DIFFERENTIAL PRESSURE REGULATING VALVE W/ EXTERIOR TAPS
SELF-CONTAINED DIFFERENTIAL PRESSURE REGULATING VALVE
SELF-CONTAINED DIFFERENTIAL PRESSURE REGULATING VALVE (SOLENOID OPERATED)
PRESSURE RELIEF VALVE (PRV)
VACUUM RELIEF VALVE (VRV)
AIR/VAC VALVE
BACK FLOW PREVENTER VALVE (BFPV)

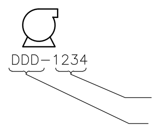
VALVE ACTUATORS

HAND (MANUALLY) OPERATED
DIAPHRAGM, SPRING OPPOSED
DIAPHRAGM, PRESSURE-BALANCED
ROTARY MOTOR. (SHOWN TYPICALLY WITH ELECTRIC SIGNAL. MAY BE HYDRAULIC OR PNEUMATIC)
SOLENOID
ELECTROHYDRAULIC SOLENOID



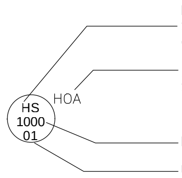
CYLINDER, SINGLE-ACTING, SPRING OPPOSED WITHOUT POSITIONER OR PILOT.
CYLINDER, DOUBLE ACTING, WITHOUT POSITIONER OR PILOT
EXAMPLE OF CYLINDER WITH POSITIONER
SOLENOID VALVE, SIGNAL CONVERTER, etc.
ANY CYLINDER THAT IS ASSEMBLED WITH A PILOT SO THAT ASSEMBLY IS ACTUATED BY ONE CONTROLLED INPUT. PILOT MAY BE POSITIONER,
FLOAT ACTUATOR

TYPICAL EQUIPMENT TAG NUMBERS & DESIGNATION



LOOP NUMBER
EQUIPMENT

TYPICAL TAG NUMBERS & DESIGNATION



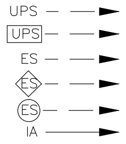
INSTRUMENT TYPE
SEE " INSTRUMENTATION FUNCTIONAL CODE" TABLE
ADDITIONAL INSTRUMENTATION
SEE " HAND SWITCH ABBREVIATION
LOOP NUMBER
UNIT NUMBER

HAND SWITCH ABBREVIATIONS

AO = AUTO/OFF
AM = AUTO/MANUAL
CM = COMPUTER/MANUAL
ES = EMERGENCY STOP
FR = FORWARD/REVERSE
FOR = FORWARD/OFF/REVERSE
FS = FAST/SLOW
FOS = FAST/OFF/SLOW
HOA = HAND/OFF/AUTO
LLS = LEAD/LAG/STANDBY
LOC = LOCAL/OFF/COMPUTER

LOR = LOCAL/OFF/REMOTE
LOS = LOCKOUT/STOP
LA = LOCAL/AUTO
L/R = LOCAL/REMOTE
OC = OPEN/CLOSE
OCA = OPEN/CLOSE/AUTO
OO = ON/OFF
OOA = ON/OFF/AUTO
OSC = OPEN/STOP/CLOSE
RSL = RAISE/STOP/LOWER
RST = RESET
SS = START/STOP
SOR = START/OFF/RESET

ELECTRICAL / AIR SOURCES



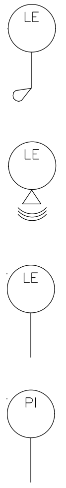
UPS POWER VIA PCSS PROVIDED UPS DIRECT CONNECTION
UPS POWER VIA PCSS PROVIDED UPS LIGHTING PANEL
PCSS SUPPLIED PANEL ELECTRICAL SOURCE
VENDOR SUPPLIED PANEL ELECTRICAL SOURCE
NON-PCSS SUPPLIED PANEL ELECTRICAL SOURCE
INSTRUMENT AIR SOURCE

NOTE 1: ALL POWER SOURCES ARE 120 VAC UNLESS OTHERWISE STATED ON THE DRAWINGS

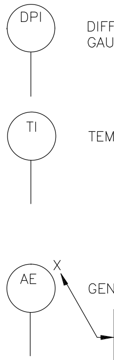
NOTE 2: REFER TO UPS SPECIFICATIONS FOR POWER REQUIREMENTS OF PANEL

NOTE 3: REFER TO OTHER SPECIFICATION SECTIONS FOR POWER REQUIREMENTS OF INSTRUMENTS

PRIMARY ELEMENTS

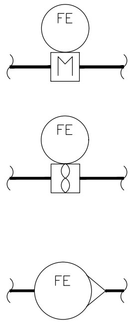


FLOAT SWITCH
ULTRASONIC LEVEL SENSOR
CAPACITANCE LEVEL SENSOR
PRESSURE GAUGE



DIFFERENTIAL PRESSURE GAUGE
TEMPERATURE GAUGE
GENERAL ANALYZER

pH = pH
DO = DISSOLVED OXYGEN
H2S = HYDROGEN SULFIDE
CH4 = METHANE
O2 = OXYGEN
NH_4 = AMMONIA
NO_3 = NITRATE

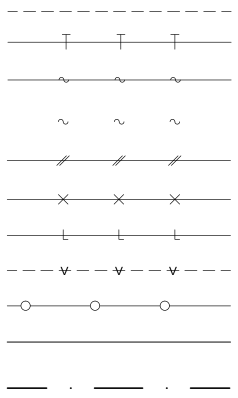


MAGNETIC FLOW METER
TURBINE OR PROPELLER FLOW METER
ROTAMETER

ABBREVIATIONS AND LETTER SYMBOLS

AC	ALTERNATING CURRENT
DC	DIRECT CURRENT
HMI	HUMAN-MACHINE INTERFACE
PLC	PROGRAMMABLE LOGIC CONTROLLER

INSTRUMENT LINE SYMBOLS



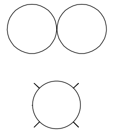
ELECTRICAL SIGNAL
TELEPHONE SIGNAL
ELECTROMAGNETIC OR SONIC SIGNAL (GUIDED)
ELECTROMAGNETIC OR SONIC SIGNAL (UNGUIDED)
PNEUMATIC SIGNAL
CAPILLARY TUBE
HYDRAULIC SUPPLY
VENDOR SUPPLIED CABLE
SOFTWARE I/O
CAT-6 COMMUNICATION CABLE
FIBER-OPTIC CABLE

GENERAL NOTES

1. THIS LEGEND APPLIES TO P&IDS ONLY AND MAY DIFFER FROM LEGENDS FOR OTHER SHEETS.
2. IN GENERAL THIS LEGEND SHEET AND THE P&IDS ARE BASED ON INTERNATIONAL SOCIETY OF AUTOMATION (ISA) STANDARDS FOR PRACTICES FOR INSTRUMENTATION. SOME MODIFICATIONS, ADDITIONS AND ALTERATIONS HAVE BEEN MADE AS REQUIRED TO ACCOMODATE PROJECT REQUIREMENTS.
3. SOME PROCESS ITEMS, SUCH AS EQUIPMENT ISOLATION VALVES, BYPASS LINES, ETC., WHICH ARE NOT CRITICAL FOR AN UNDERSTANDING OF THE INSTRUMENTATION FUNCTIONS ARE NOT SHOWN ON THE P&IDS.
4. SEE ELECTRICAL AND MECHANICAL SHEETS AND SPECIFICATIONS FOR ADDITIONAL CONTROL AND INTERLOCK REQUIREMENTS.
5. LIGHTER WEIGHT LINES, SHOWN AS ——— ,INDICATE EQUIPMENT, INSTRUMENTS OR PIPING THAT ARE EXISTING. WEIGHTED LINES, SHOWN AS ——— , OR HEAVIER ——— , INDICATE EQUIPMENT, INSTRUMENTS OR PIPING THAT ARE NEW.

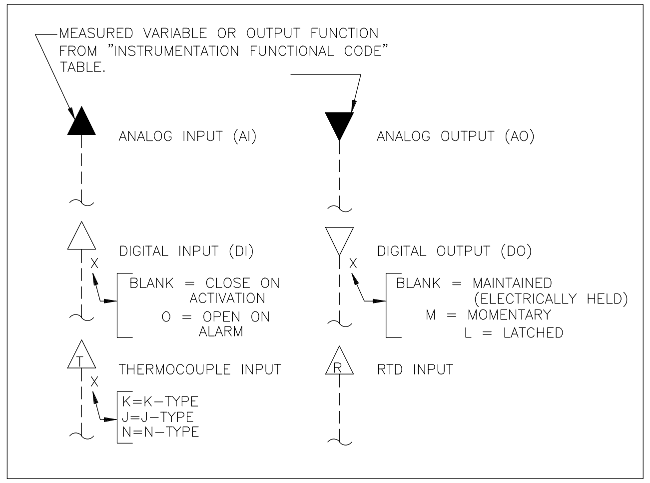
GENERAL INSTRUMENT OR FUNCTION SYMBOLS

	LOCATION NORMALLY ACCESSIBLE TO OPERATOR	FIELD MOUNTED	LOCATION NORMALLY NOT ACCESSIBLE TO OPERATOR
PRIMARY LOCATION OR CONTROL PANEL	⊖	○	⊖
SECONDARY LOCATION OR CONTROL PANEL	⊜	○	⊜



INSTRUMENTS SHARING COMMON HOUSING
PILOT LIGHT

I/O SIGNALS



RECORD DRAWING

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By Eun Chu You Date 2/27/15

CDM Smith

1	2/27/15	DI	ECY	RECORD DRAWING
REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: H. NGUYEN
DRAWN BY: J. ISIDORO
SHEET CHK'D BY: M. RIDLEY
CROSS CHK'D BY: E. YOU
APPROVED BY: S. NEDIC
DATE: JULY 23, 2014

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CDM Smith
111 Academy Way, Suite 150
Irvine, California 92617
Tel: (949) 752-5452

MELVIN HORTON RIDLEY
No. CS7458
Exp. 3/31/15

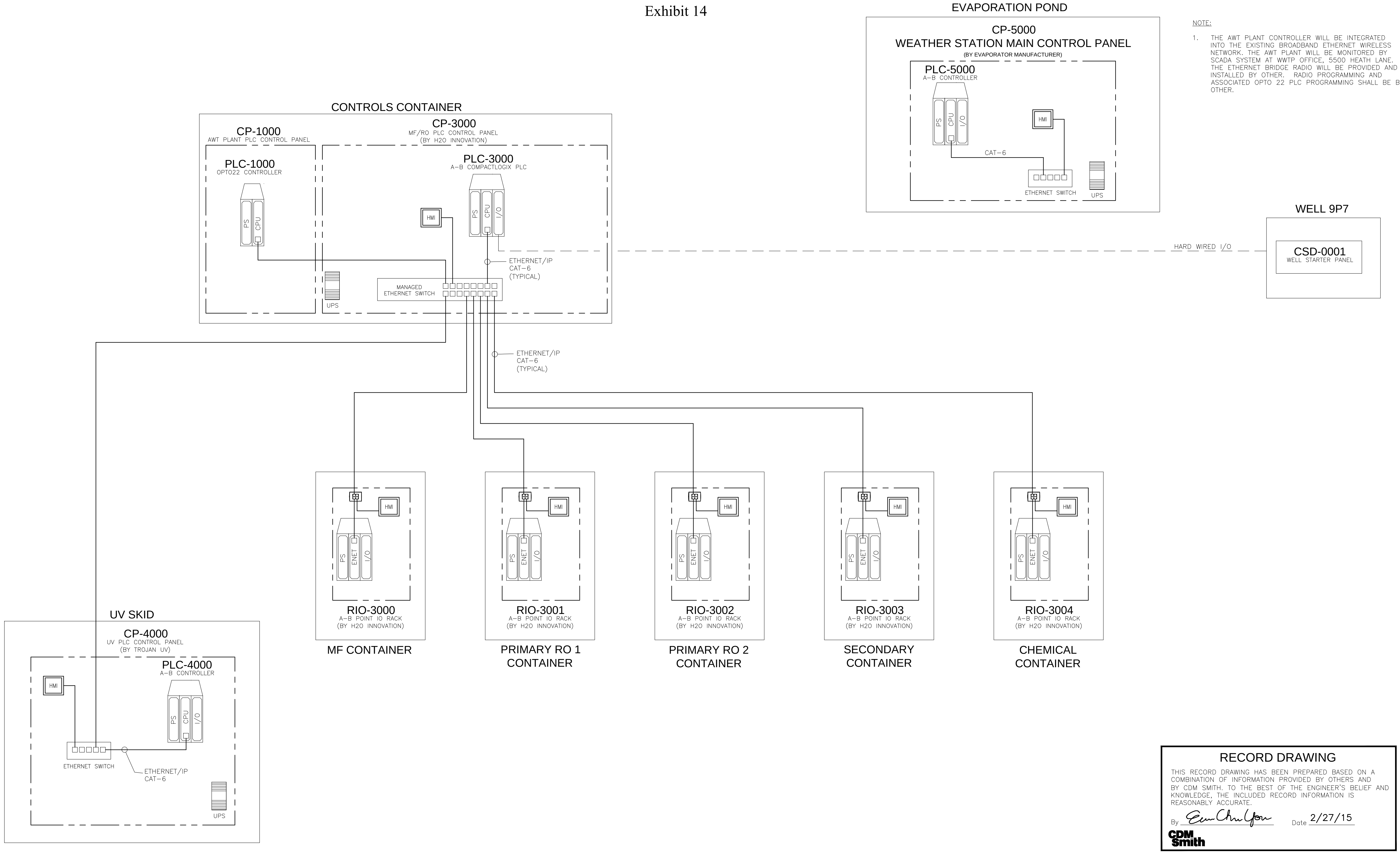
1976

CAMBRIA EMERGENCY
WATER SUPPLY PROJECT
CAMBRIA COMMUNITY SERVICES DISTRICT

PROCESS AND INSTRUMENTATION
LEGEND, SYMBOLS, AND
ABBREVIATIONS

PROJECT NO. 138760-104133
SHEET: 26 OF 37
DRAWING NO.
I-01

Exhibit 14



NOTE:

1. THE AWT PLANT CONTROLLER WILL BE INTEGRATED INTO THE EXISTING BROADBAND ETHERNET WIRELESS NETWORK. THE AWT PLANT WILL BE MONITORED BY SCADA SYSTEM AT WWTP OFFICE, 5500 HEATH LANE. THE ETHERNET BRIDGE RADIO WILL BE PROVIDED AND INSTALLED BY OTHER. RADIO PROGRAMMING AND ASSOCIATED OPTO 22 PLC PROGRAMMING SHALL BE BY OTHER.

RECORD DRAWING

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By ____________ Date 2/27/15

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1	2/27/15	DI	ECY	RECORD DRAWING

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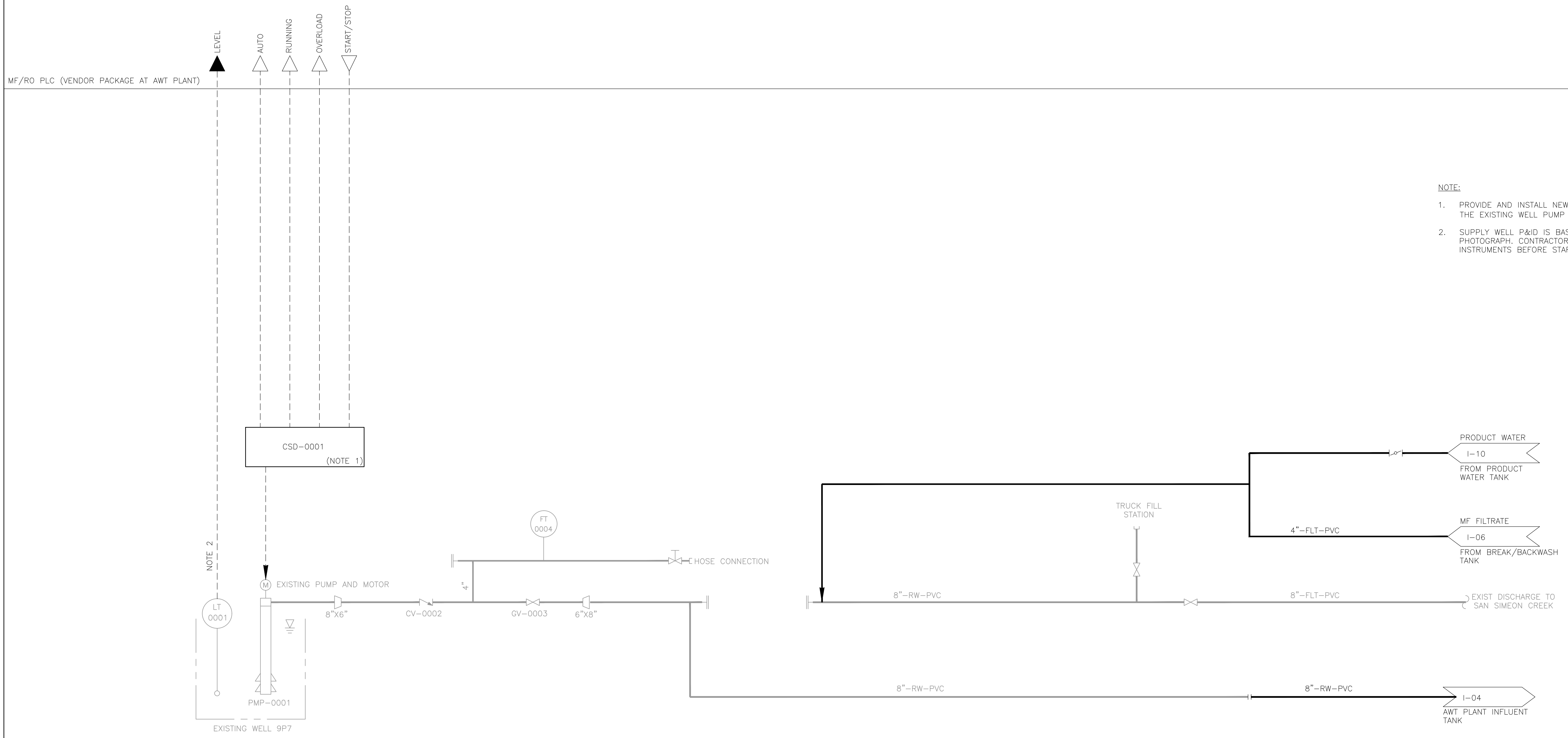
MELVIN HORTON RIDLEY II
No. CS7458
Exp. 3/31/15
CONTROL SYSTEMS

CAMBRIA EMERGENCY
WATER SUPPLY PROJECT
CAMBRIA COMMUNITY SERVICES DISTRICT

PROCESS AND INSTRUMENTATION
OVERALL
SYSTEM ARCHITECTURE

PROJECT NO. 138760-104133
SHEET: 27 OF 37
DRAWING NO.
I-02

Exhibit 14



NOTE:

1. PROVIDE AND INSTALL NEW STARTER PANEL FOR THE EXISTING WELL PUMP (CDM SMITH SUPPLY).
2. SUPPLY WELL P&ID IS BASED ON FIELD PHOTOGRAPH. CONTRACTOR SHALL FIELD VERIFY INSTRUMENTS BEFORE STARTING WORK.

RECORD DRAWING

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By Eun Chu You Date 2/27/15

CDM Smith

REV. NO.	DATE	DRWN	CHKD	REMARKS
2	2/27/15	DI	ECY	RECORD DRAWING
1	10/6/14			REVISED PER RWQCB COMMENTS

DESIGNED BY: H. NGUYEN
DRAWN BY: J. ISIDORO
SHEET CHK'D BY: M. RIDLEY
CROSS CHK'D BY: E. YOU
APPROVED BY: S. NEDIC
DATE: JULY 23, 2014

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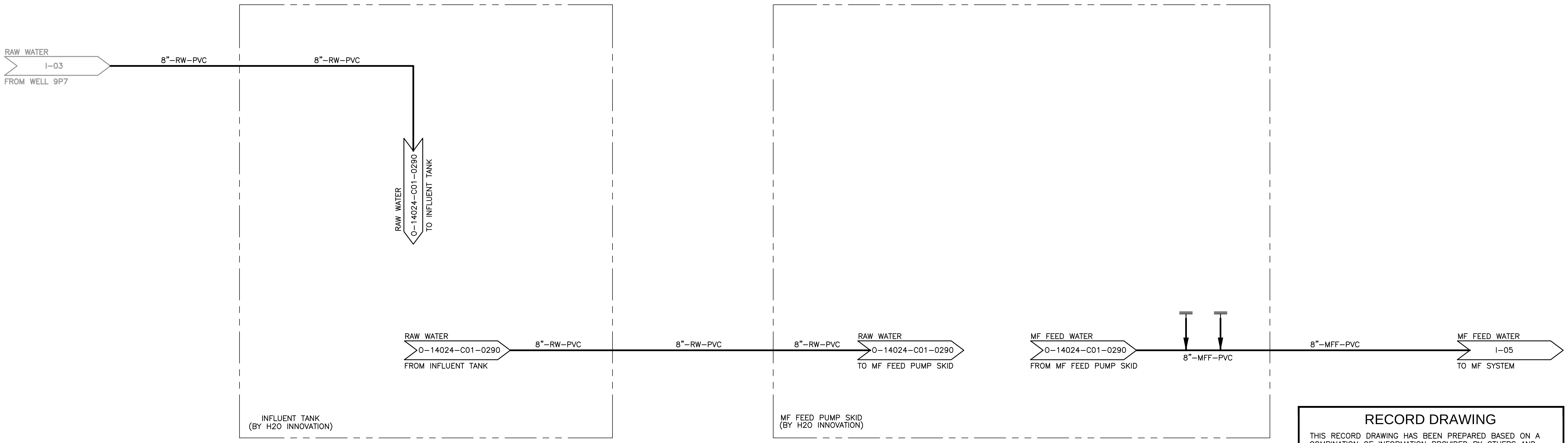
No. CS7458
Exp. 3/31/15

CAMBRIA EMERGENCY
WATER SUPPLY PROJECT
CAMBRIA COMMUNITY SERVICES DISTRICT

PROCESS AND INSTRUMENTATION
SUPPLY WELL

PROJECT NO. 138760-104133
SHEET: 28 OF 37
DRAWING NO.
I-03

Exhibit 14



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By ________ Date 2/27/15

CDM Smith

2	2/27/15	DI	ECY	RECORD DRAWING
1	10/6/14			REVISED PER RWQCB COMMENTS
REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: H.NGUYEN
DRAWN BY: J. ISIDORO
SHEET CHK'D BY: M. RIDLEY
CROSS CHK'D BY: E. YOU
APPROVED BY: S. NEDIC
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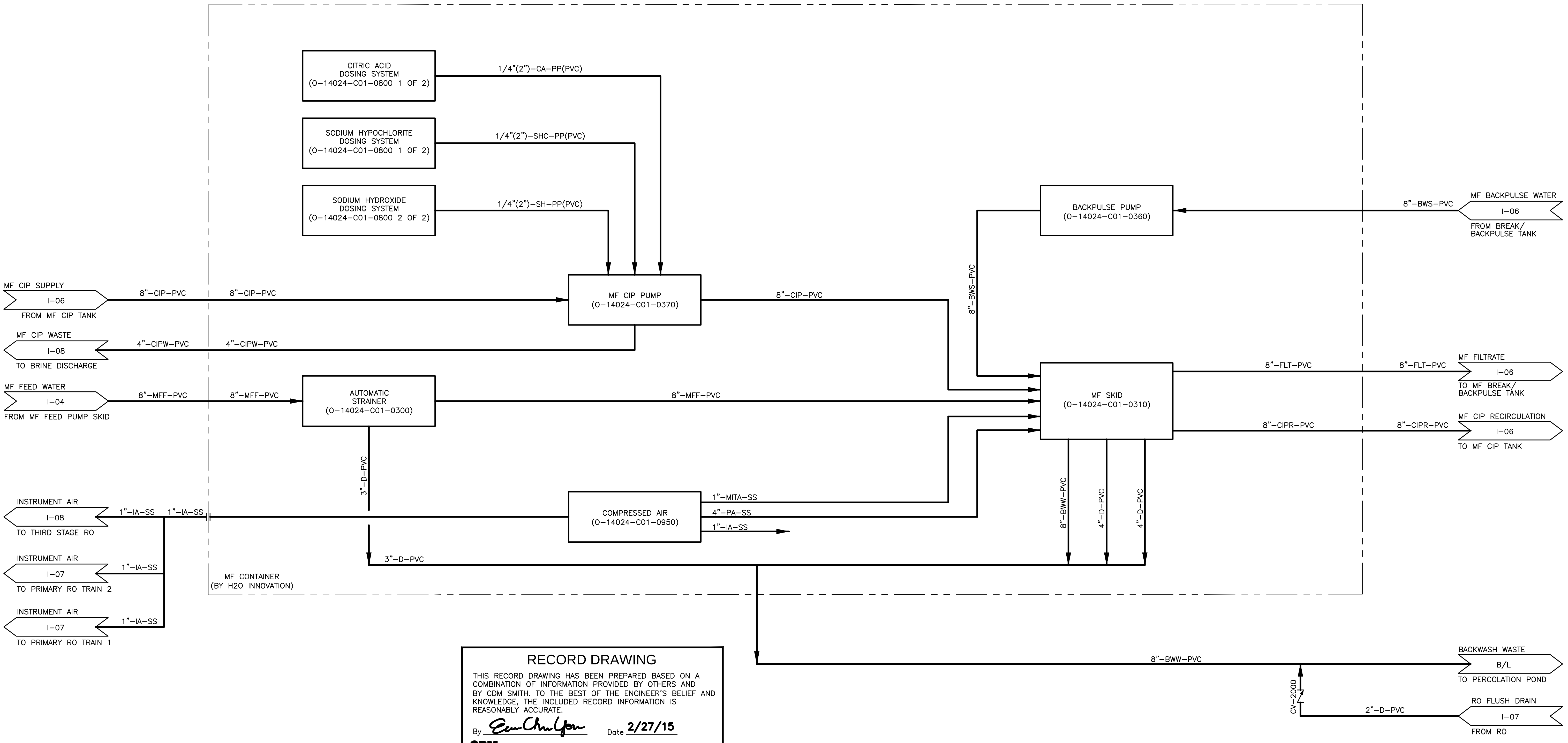
MELVIN HORTON RIDLEY
No. CS7458
Exp. 3/31/15

CAMBRIA EMERGENCY
WATER SUPPLY PROJECT
CAMBRIA COMMUNITY SERVICES DISTRICT

PROCESS AND INSTRUMENTATION
INFLUENT TANK AND MF FEED PUMP STATION

PROJECT NO. 138760-104133
SHEET: 29 OF 37
DRAWING NO.
I-04

Exhibit 14



RECORD DRAWING

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By Een Chu You Date 2/27/15

CDM Smith

REV. NO.	DATE	DRWN	CHKD	REMARKS
1	2/27/15	DI	ECY	RECORD DRAWING

DESIGNED BY: H. NGUYEN
DRAWN BY: J. ISIDORO
SHEET CHK'D BY: M. RIDLEY
CROSS CHK'D BY: E. YOU
APPROVED BY: S. NEDIC
DATE: JULY 23, 2014

WARNING
0 1/2" 1"
IF THIS BAR SCALE DOES NOT MEASURE 1" THIS DWG HAS BEEN REDUCED SCALE ACCORDINGLY

CDM Smith
111 Academy Way, Suite 150
Irvine, California 92617
Tel: (949) 752-5452

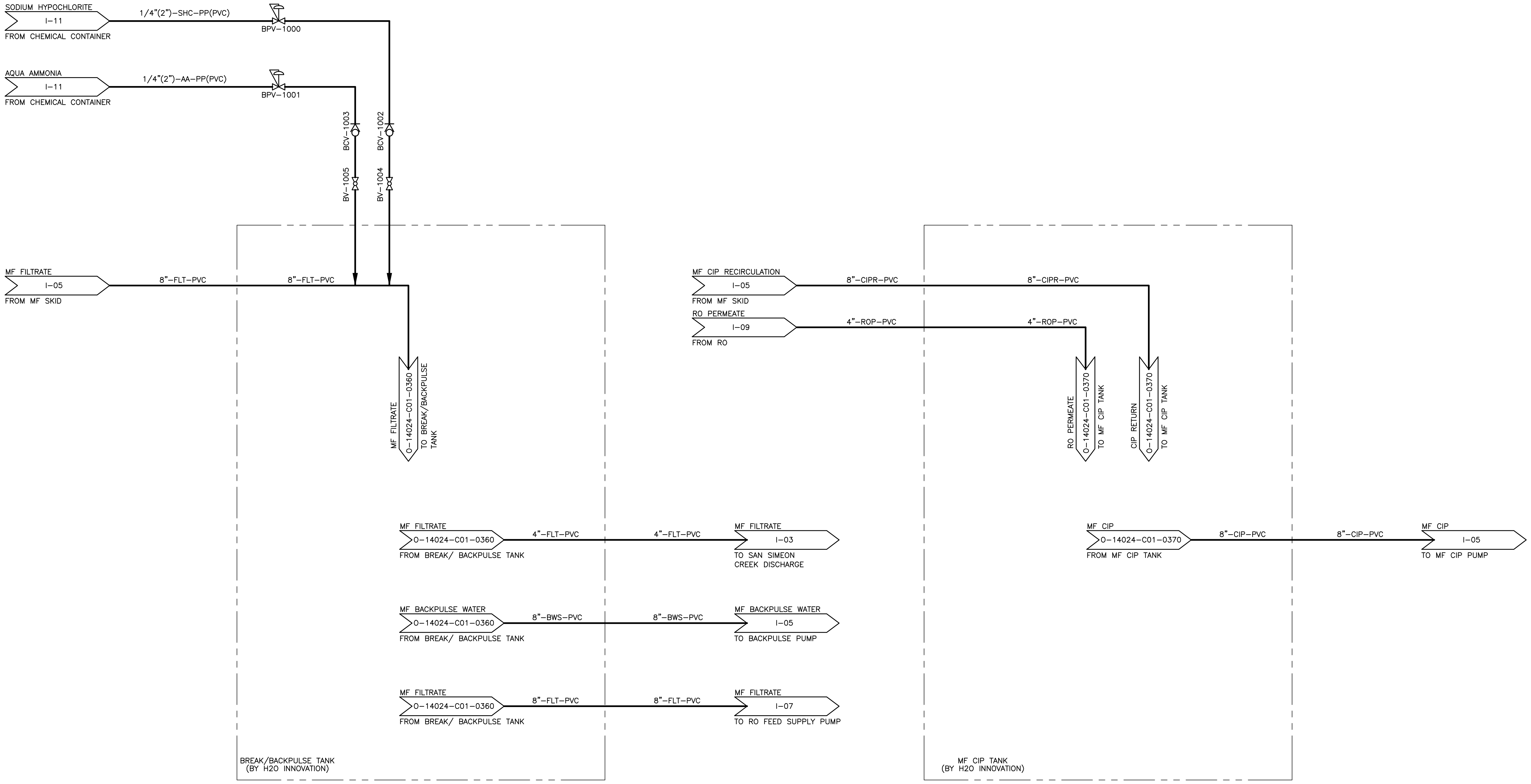
No. CS7458
Exp. 3/31/15

CAMBRIA EMERGENCY
WATER SUPPLY PROJECT
CAMBRIA COMMUNITY SERVICES DISTRICT

PROCESS AND INSTRUMENTATION
MF CONTAINER

PROJECT NO. 138760-104133
SHEET: 30 OF 37
DRAWING NO.
I-05

Exhibit 14



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By ____________ Date 2/27/15

CDM Smith

REV. NO.	DATE	DRWN	CHKD	REMARKS
2	2/27/15	DI	ECY	RECORD DRAWING
1	10/6/14			REVISED PER RWQCB COMMENTS

DESIGNED BY: H. NGUYEN
DRAWN BY: J. ISIDORO
SHEET CHK'D BY: M. RIDLEY
CROSS CHK'D BY: E. YOU
APPROVED BY: S. NEDIC
DATE: JULY 23, 2014

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Tel: (949) 752-5452

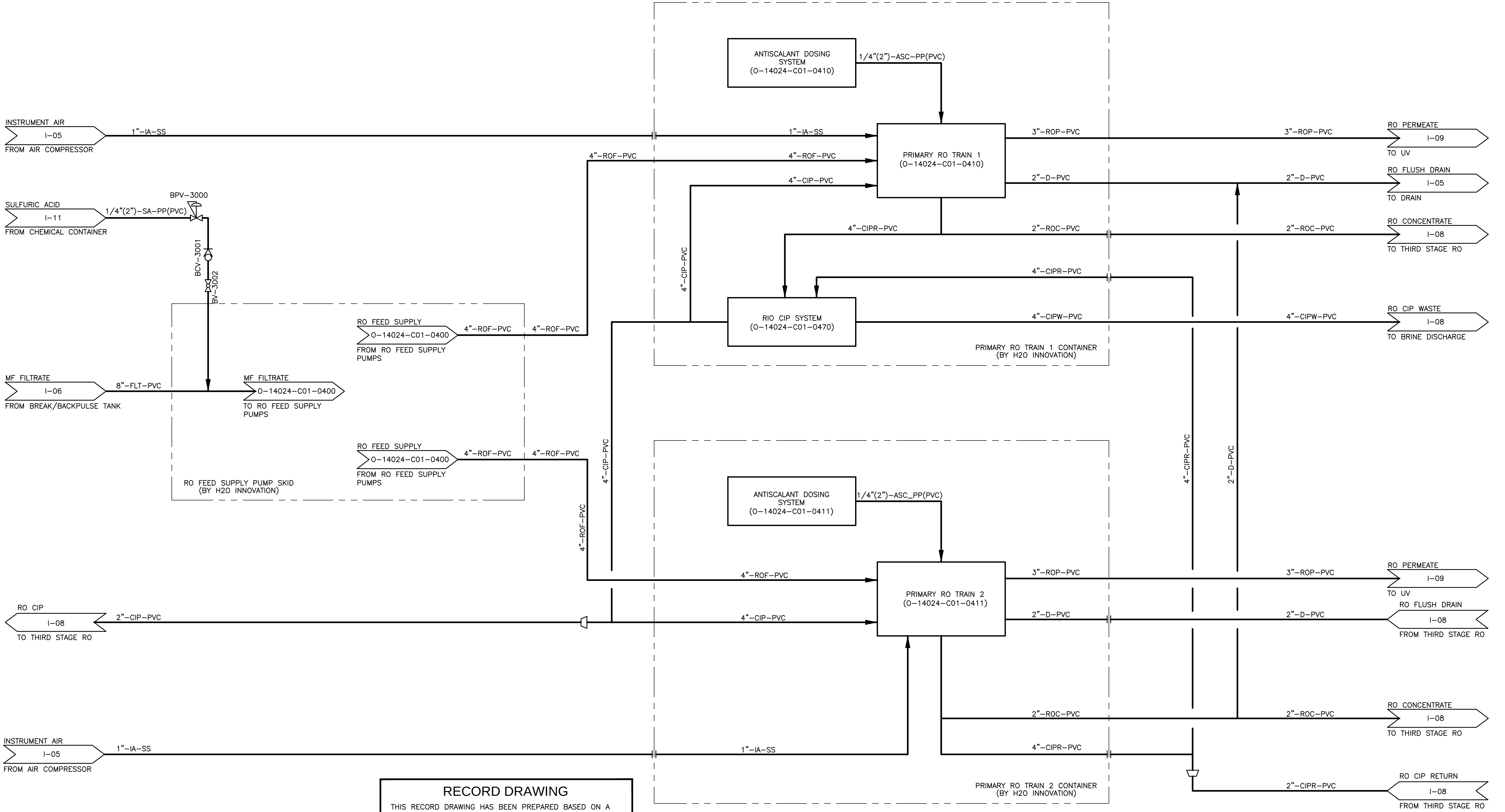
MELVIN HORTON RIDLEY II
No. CS7458
Exp. 3/31/15

CAMBRIA EMERGENCY WATER SUPPLY PROJECT
CAMBRIA COMMUNITY SERVICES DISTRICT

PROCESS AND INSTRUMENTATION DIAGRAM
BREAK/BACKWASH TANK AND MF CIP TANK

PROJECT NO. 138760-104133
SHEET: 31 OF 37
DRAWING NO.
I-06

Exhibit 14



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By Eric Chu You Date 2/27/15

CDM Smith

REV. NO.	DATE	DRWN	CHKD	REMARKS
1	2/27/15	DI	ECY	RECORD DRAWING

DESIGNED BY: H.NGUYEN
DRAWN BY: J. ISIDORO
SHEET CHK'D BY: M. RIDLEY
CROSS CHK'D BY: E. YOU
APPROVED BY: S. NEDIC
DATE: JULY 23, 2014

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Irvine, California 92617
Tel: (949) 752-5452

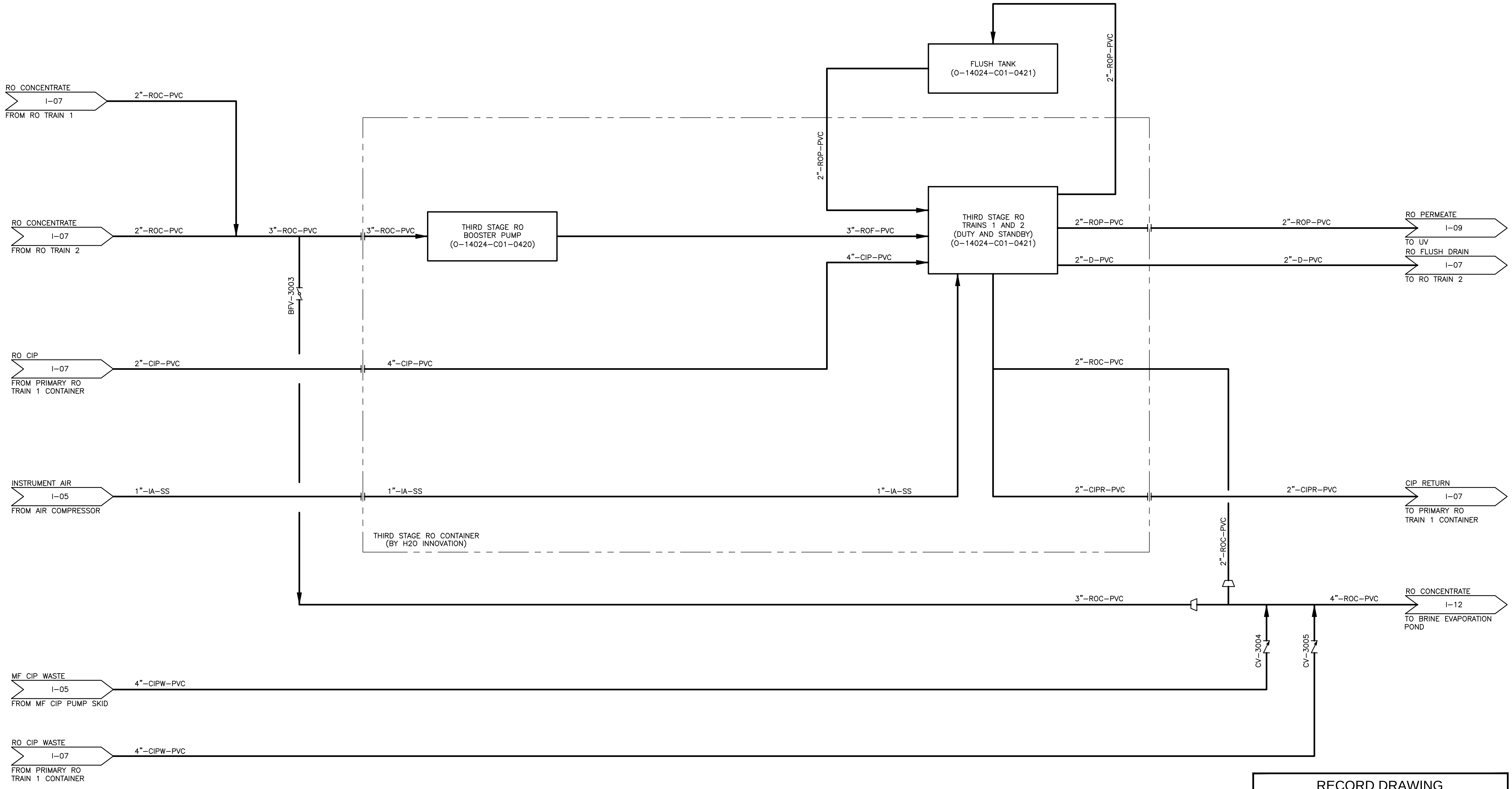
MELVIN HORTON RIDLEY
No. CS7458
Exp. 3/31/15

CAMBRIA EMERGENCY
WATER SUPPLY PROJECT
CAMBRIA COMMUNITY SERVICES DISTRICT

PROCESS AND INSTRUMENTATION
RO FEED SUPPLY PUMPS AND
PRIMARY RO TRAINS 1 AND 2

PROJECT NO. 138760-104133
SHEET: 32 OF 37
DRAWING NO.
I-07

Exhibit 14



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By Eric Chu You Date 2/27/15

CDM Smith

REV. NO.	DATE	DRWN	CHKD	REMARKS
1	2/27/15	DI	ECY	RECORD DRAWING

DESIGNED BY: H. NGUYEN
DRAWN BY: J. ISIDORO
SHEET CHK'D BY: M. RIDLEY
CROSS CHK'D BY: E. YOU
APPROVED BY: S. NEDIC
DATE: JULY 23, 2014

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Irvine, California 92617
Tel: (949) 752-5452

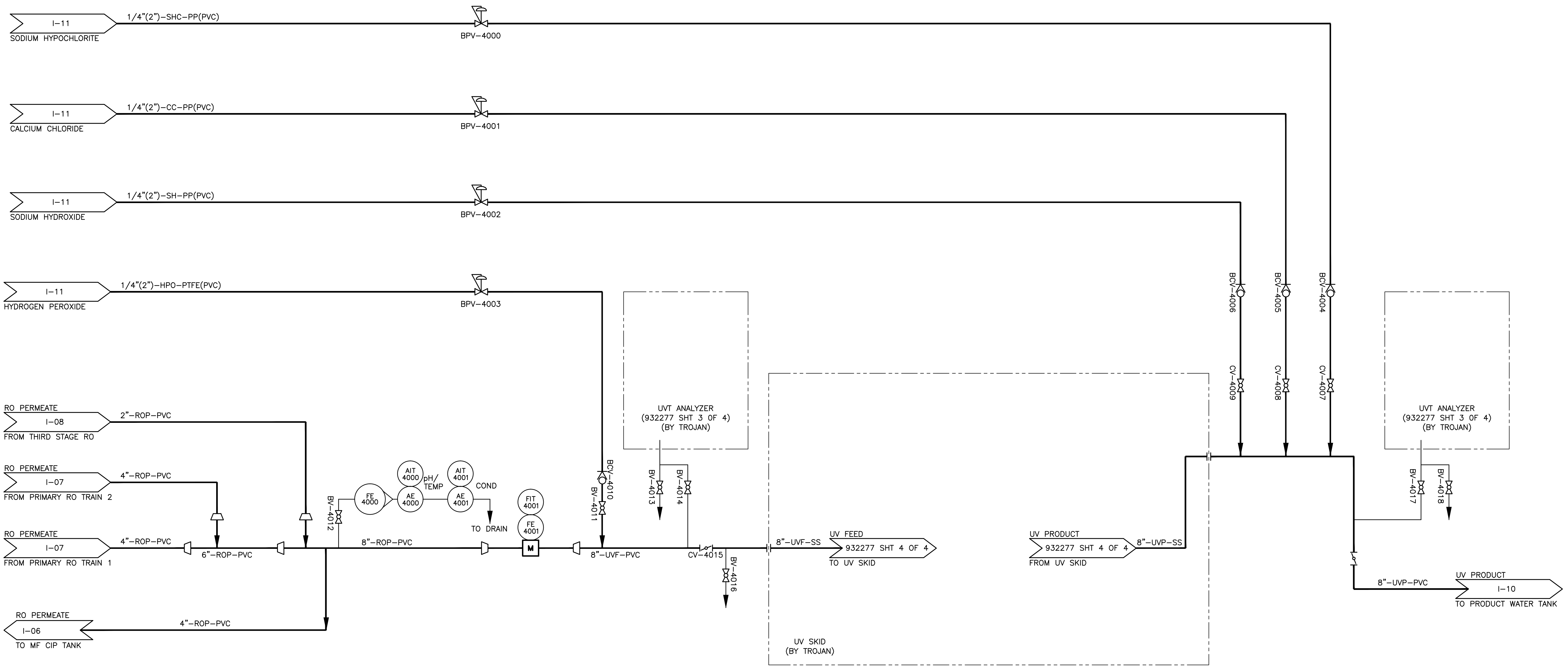
No. CS7458
Exp. 3/31/15

CAMBRIA EMERGENCY
WATER SUPPLY PROJECT
CAMBRIA COMMUNITY SERVICES DISTRICT

PROCESS AND INSTRUMENTATION
THIRD STAGE RO

PROJECT NO. 138760-104133
SHEET: 33 OF 37
DRAWING NO.
I-08

Exhibit 14



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By Eun Chu You Date 2/27/15

CDM Smith

REV. NO.	DATE	DRWN	CHKD	REMARKS
1	2/27/15	DI	ECY	RECORD DRAWING

DESIGNED BY: H. NGUYEN
DRAWN BY: J. ISIDORO
SHEET CHK'D BY: M. RIDLEY
CROSS CHK'D BY: E. YOU
APPROVED BY: S. NEDIC
DATE: JULY 23, 2014

WARNING
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111 Academy Way, Suite 150
Irvine, California 92617
Tel: (949) 752-5452

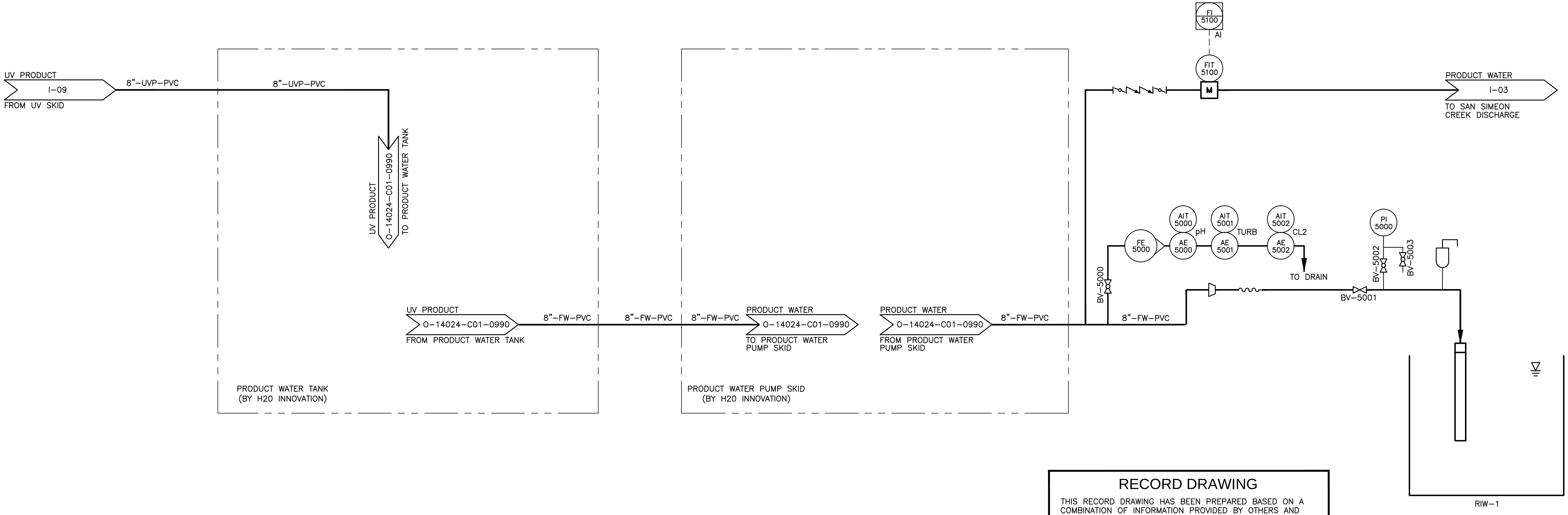
MELVIN HORTON RIDLEY
No. CS7458
Exp. 3/31/15

CAMBRIA EMERGENCY
WATER SUPPLY PROJECT
CAMBRIA COMMUNITY SERVICES DISTRICT

PROCESS AND INSTRUMENTATION
UV

PROJECT NO. 138760-104133
SHEET: 34 OF 37
DRAWING NO.
I-09

Exhibit 14



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By Eu-Chu You Date 2/27/15

CDM Smith

2	2/27/15	DI	ECY	RECORD DRAWING
1	10/6/14			REVISED PER RWQCB COMMENTS
REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: H. NGUYEN
DRAWN BY: J. ISIDORO
SHEET CHK'D BY: M. RIDLEY
CROSS CHK'D BY: E. YOU
APPROVED BY: S. NEDIC
DATE: JULY 23, 2014

WARNING

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Irvine, California 92617
Tel: (949) 752-5452

MELVIN HORTON RIDLEY II
No. CS7458
Exp. 3/31/15
CONTROL SYSTEMS

CAMBRIA EMERGENCY
WATER SUPPLY PROJECT

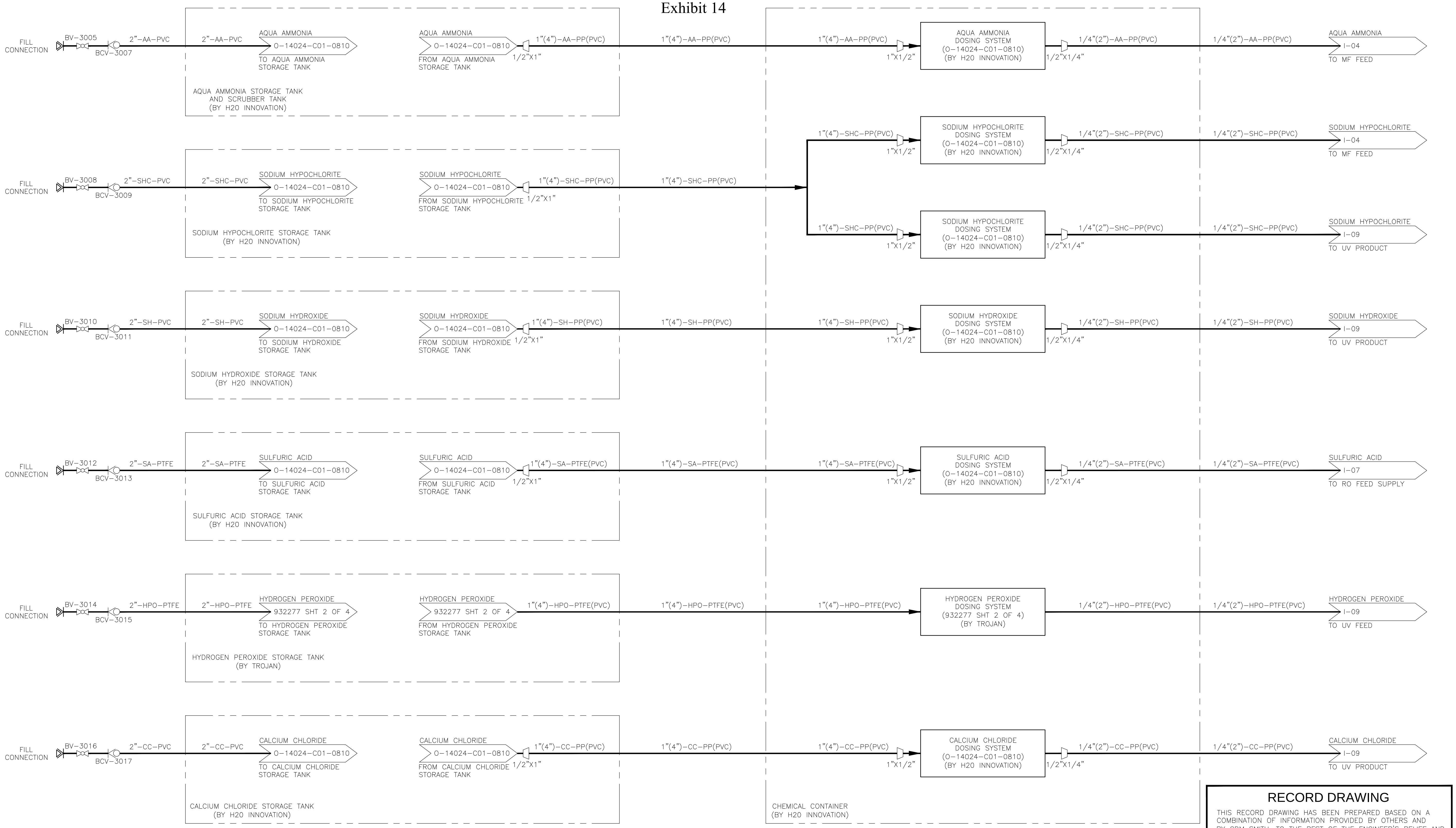
CAMBRIA COMMUNITY SERVICES DISTRICT

PROCESS AND INSTRUMENTATION DIAGRAM
PRODUCT WATER TANK, PUMP STATION
AND RIW INJECTION

PROJECT NO. 138760-104133
SHEET: 35 OF 37

DRAWING NO.
I-10

Exhibit 14



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By Een Chu You Date 2/27/15

CDM Smith

1	2/27/15	DI	ECY	RECORD DRAWING
REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: H. NGUYEN
DRAWN BY: T. KARTHICK
SHEET CHK'D BY: M. RIDLEY
CROSS CHK'D BY: E. YOU
APPROVED BY: S. NEDIC
DATE: JULY 23, 2014

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Irvine, California 92617
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MELVIN HORTON RIDLEY II
No. CS7458
Exp. 3/31/15

CAMBRIA EMERGENCY
WATER SUPPLY PROJECT
CAMBRIA COMMUNITY SERVICES DISTRICT

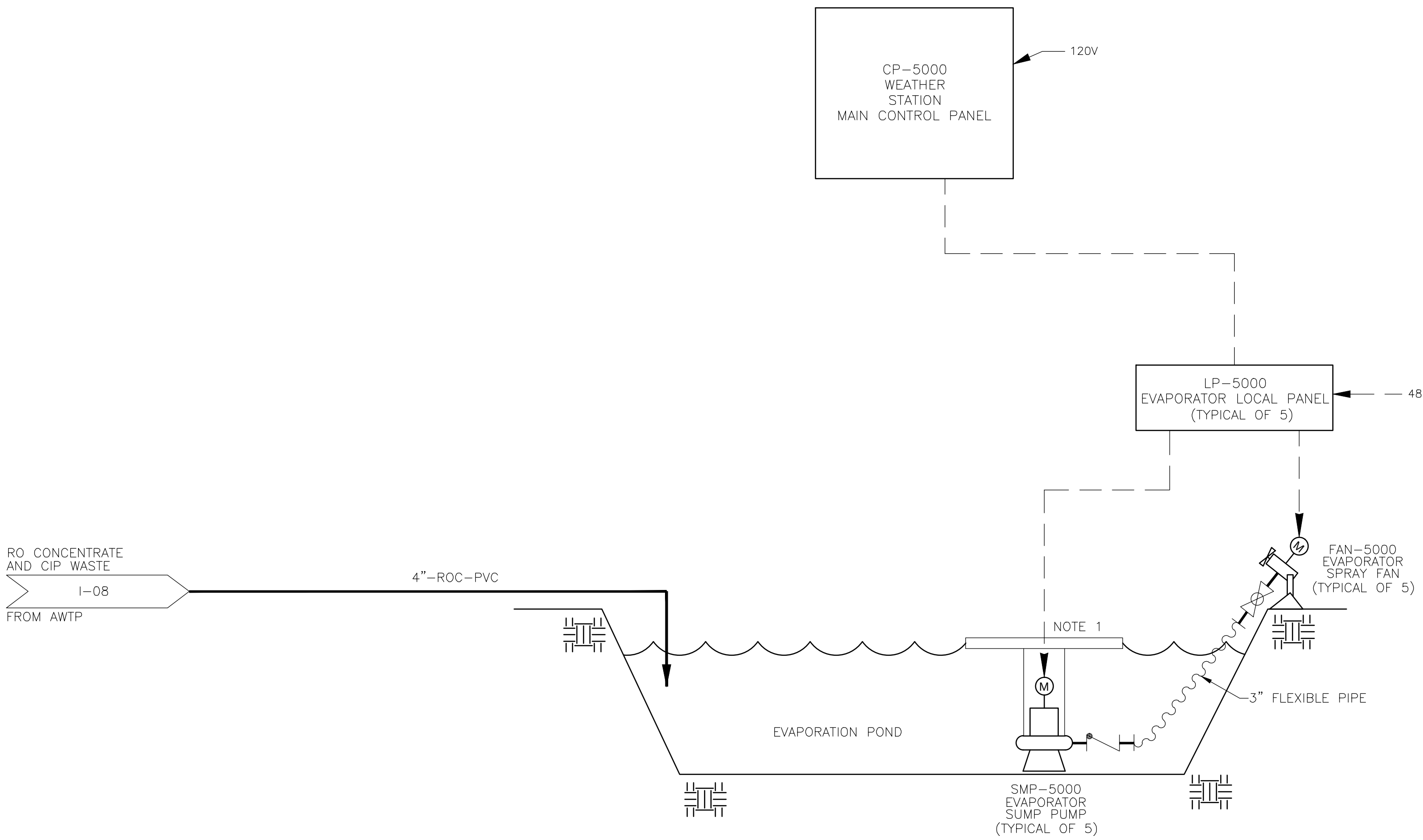
PROCESS AND INSTRUMENTATION DIAGRAM
CHEMICAL SYSTEMS

PROJECT NO. 138760-104133
SHEET: 36 OF 37
DRAWING NO.
I-11

Exhibit 14

NOTE:

1. THE SUBMERSIBLE PUMPS WILL BE ANCHORED AT FLOATING STRUCTURE



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By Eun Chu You Date 2/27/15

CDM Smith

REV. NO.	DATE	DRWN	CHKD	REMARKS
1	2/27/15	DI	ECY	RECORD DRAWING

DESIGNED BY: H. NGUYEN
DRAWN BY: T. KARTHICK
SHEET CHK'D BY: M. RIDLEY
CROSS CHK'D BY: E. YOU
APPROVED BY: S. NEDIC
DATE: JULY 23, 2014

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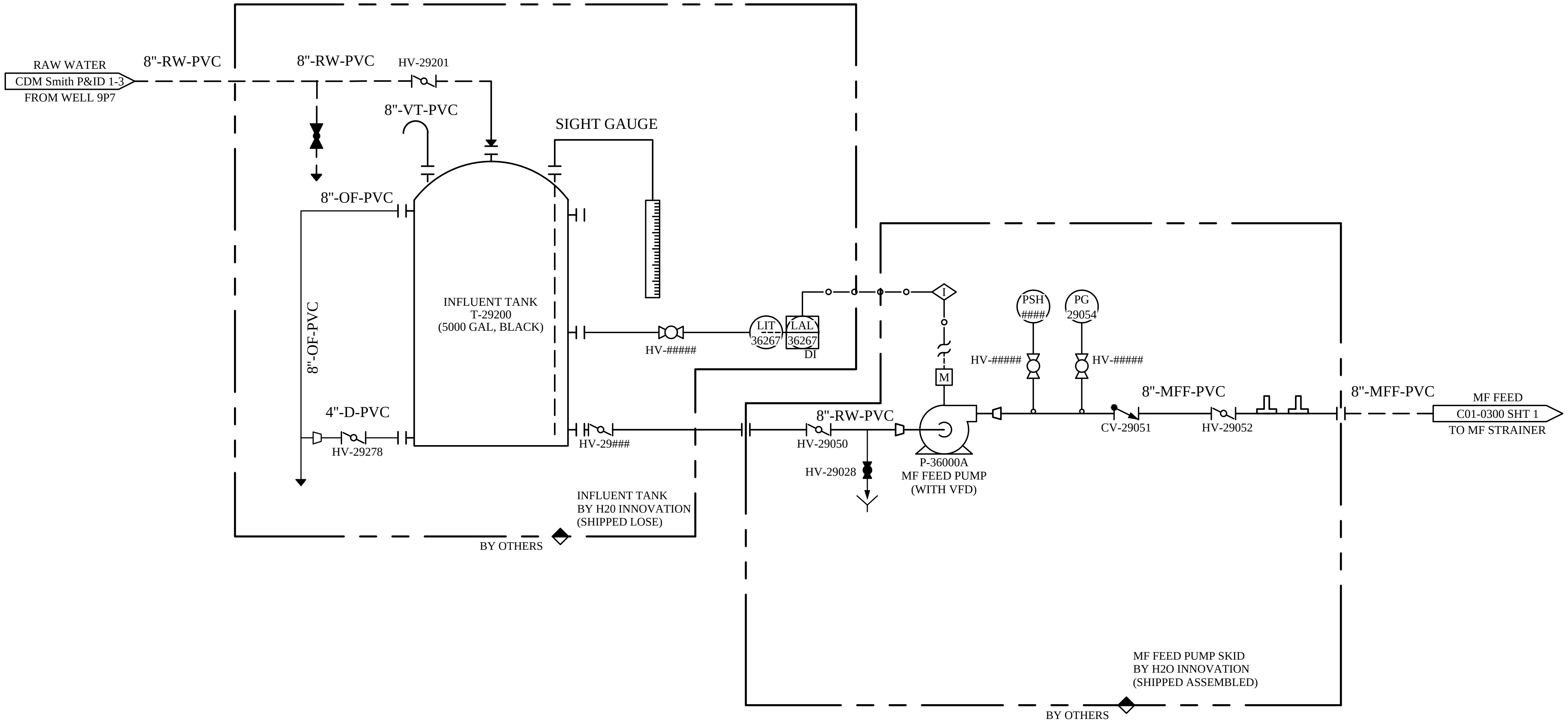
MELVIN HORTON RIDLEY
No. CS7458
Exp. 3/31/15

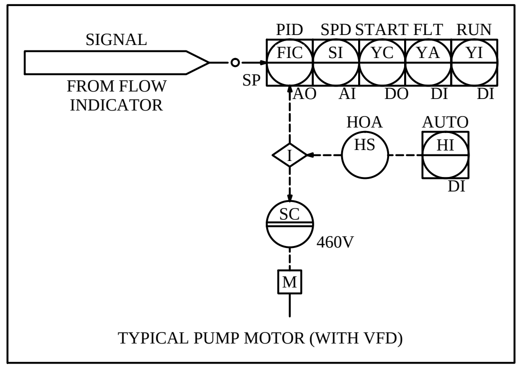
CAMBRIA EMERGENCY
WATER SUPPLY PROJECT
CAMBRIA COMMUNITY SERVICES DISTRICT

PROCESS AND INSTRUMENTATION DIAGRAM
BRINE EVAPORATION SYSTEM

PROJECT NO. 138760-104133
SHEET: 37 OF 37
DRAWING NO.
I-12

Exhibit 14





TYPICAL PUMP MOTOR (WITH VFD)

NOTE 1 - TANK SUPPLIED BY H2O
AND SHIPPED LOOSE

NOTE:
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A	08/07/2013	PRELIMINARY	-	-	-	-

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UNLESS NOTED OTHERWISE
INTERPRETATION: ANSI Y14.5
TOLERANCES
FRACTIONS: ±1⁄16"
DECIMALS 0.X: ±0.030
0.XX: ±0.015
ANGLES: ±0.5°
HOLE SIZES: ±1⁄32"
HOLE CENTERS: ±1⁄32"
DO NOT SCALE PRINTS

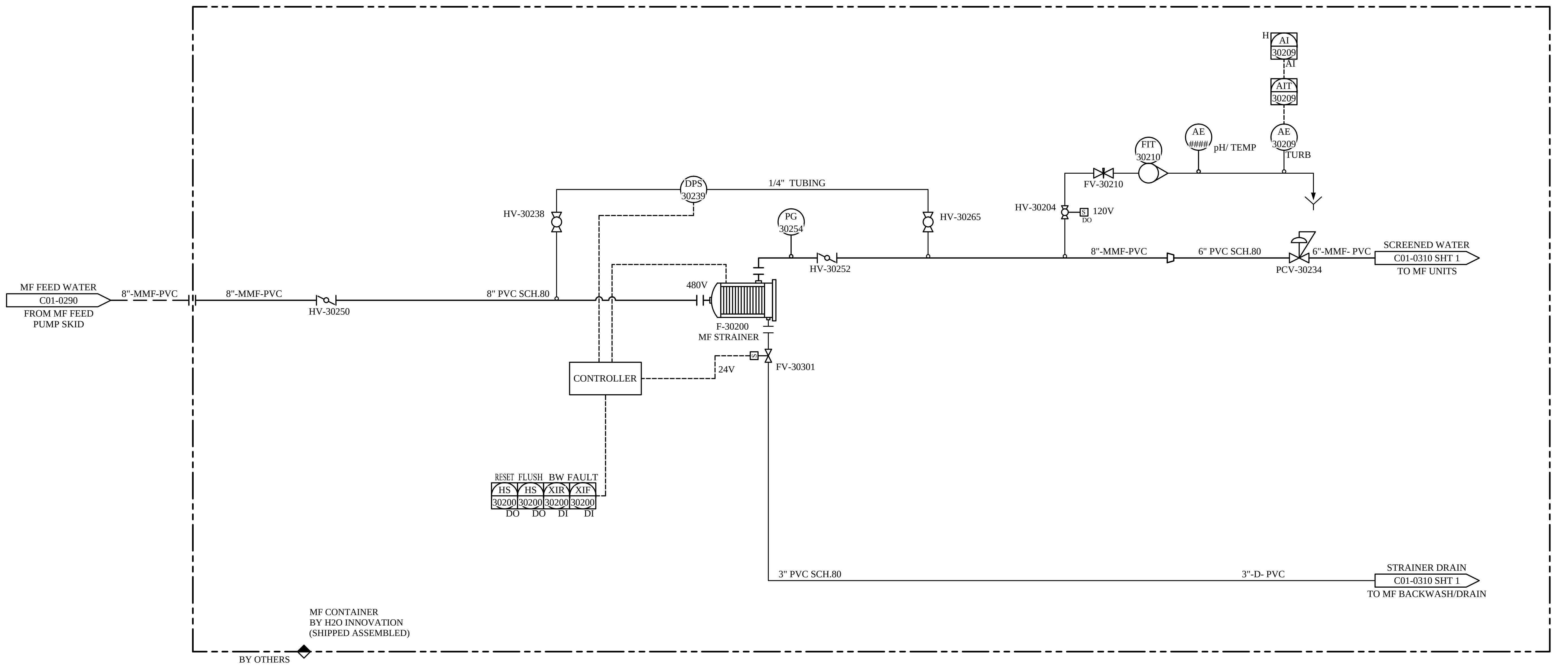
CAMBRIA COMMUNITY SERVICE
DISTRICT EMERGENCY WATER

SUPPLY PROJECT

TITLE:
INFLUENT TANK AND
MF FEED PUMP
PROCESS & INSTRUMENTATION DIAGRAM

SCALE: N/A
DRAWING NUMBER: O-14024-C01-0290
SHEET: 1 of 1
REVISION A

Exhibit 14



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0	12/06/2014	PRELIMINARY	M.C	M.B	M.B	-

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INTERPRETATION: ANSI Y14.5
TOLERANCES
FRACTIONS: ±1/16"
DECIMALS 0.X: ±0.030
0.XX: ±0.015
ANGLES: ±0.5°
HOLE SIZES: ±1/32"
HOLE CENTERS: ±1/32"
DO NOT SCALE PRINTS

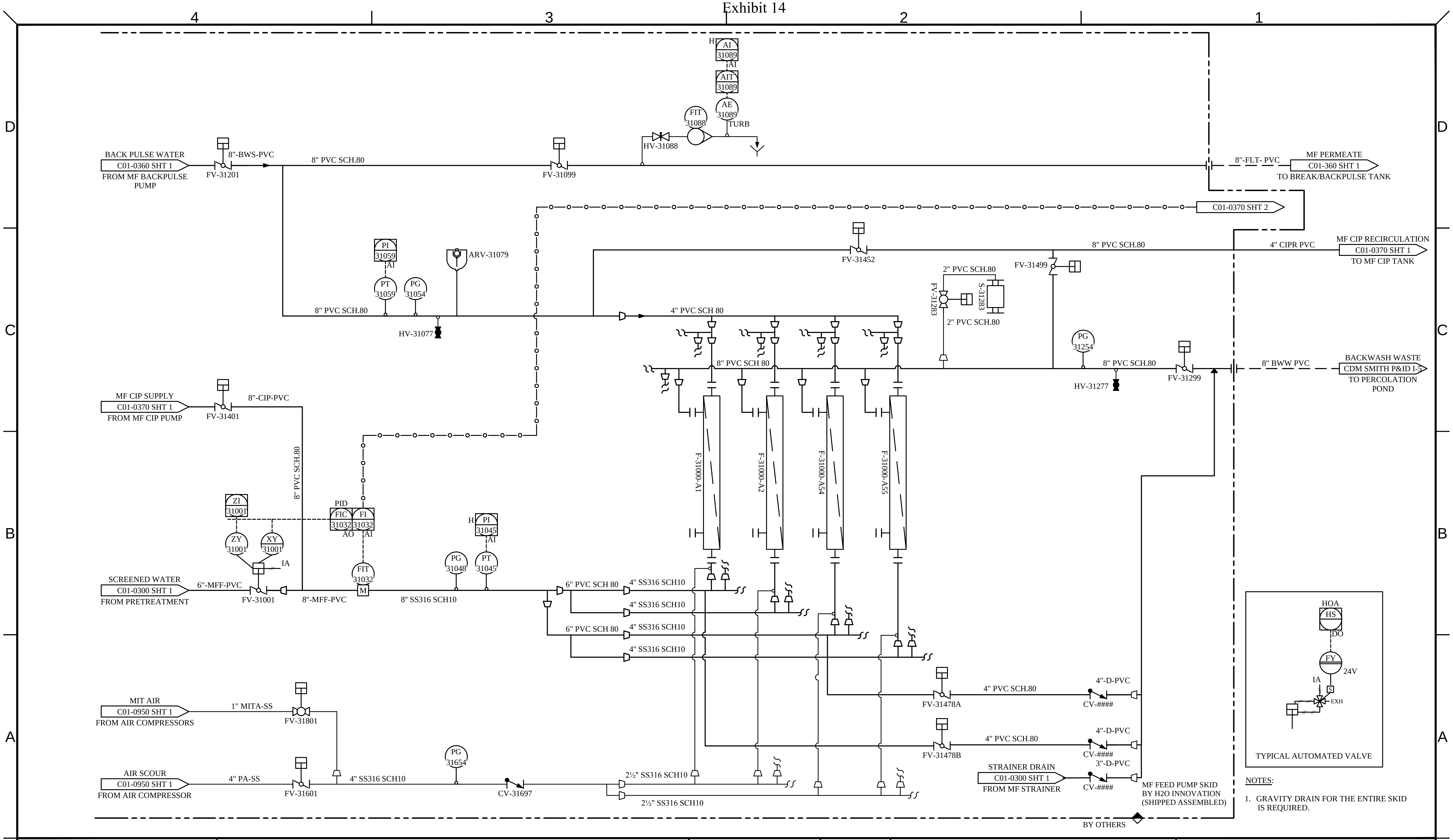
CAMBRIA COMMUNITY SERVICES
DISTRICT EMERGENCY WATER

SUPPLY PROJET

TITLE:
MF STRAINER
PROCESS & INSTRUMENTATION DIAGRAM

SCALE: N/A
DRAWING NUMBER: O-14024-C01-0300
SHEET: 1 of 1
REVISION A

Exhibit 14



NOTES:

1. GRAVITY DRAIN FOR THE ENTIRE SKID IS REQUIRED.

NOTE:
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UNLESS NOTED OTHERWISE
INTERPRETATION: ANSI Y14.5

TOLERANCES	
FRACTIONS:	±1/16"
DECIMALS 0.X:	±0.030
0.XX:	±0.015
ANGLES:	±0.5°
HOLE SIZES:	±1/32"
HOLE CENTERS:	±1/32"

DO NOT SCALE PRINTS

CAMBRIA COMMUNITY SERVICES
DISTRICT EMERGENCY WATER
SUPPLY PROJET

TITLE:
MF SKID
PROCESS & INSTRUMENTATION DIAGRAM

SCALE: N/A
DRAWING NUMBER: O-14024-C01-0310
SHEET: 1 of 1
REVISION A

4 3 2 1

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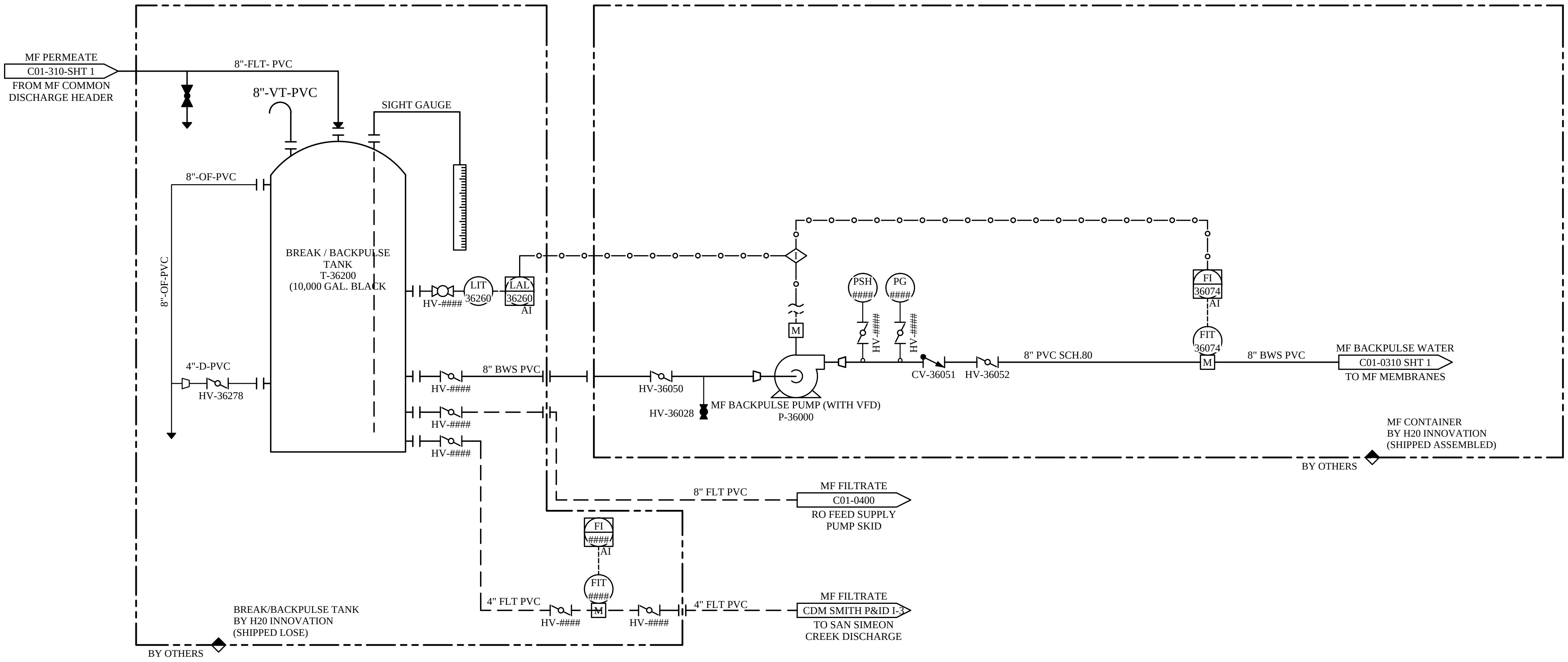
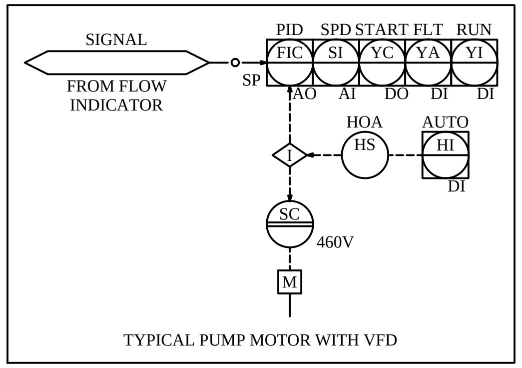
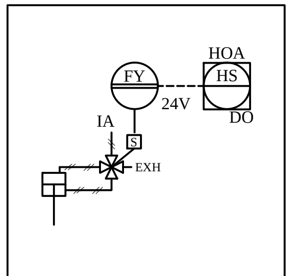




TYPICAL PUMP MOTOR WITH VFD



TYPICAL AUTOMATED VALVE

NOTES:

1. THE BACKPULSE TANK IS LOCATED OUTSIDE THE CONTAINER. ALL VALVES, INSTRUMENTS, AND PIPING ARE SHIPPED LOOSE TO BE INSTALLED BY OTHERS.

DRAWING REVISION

REV	DATE (DD/MM/YYYY)	REVISION DESCRIPTION	DRAWN	CHKD	ENG	APPVD
A	12/06/2014	PRELIMINARY	M.C	M.B	M.B	-

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UNLESS NOTED OTHERWISE
INTERPRETATION: ANSI Y14.5

TOLERANCES	
FRACTIONS:	±1/16"
DECIMALS 0.X:	±0.030
0.XX:	±0.015
ANGLES:	±0.5°
HOLE SIZES:	±1/32"
HOLE CENTERS:	±1/32"

DO NOT SCALE PRINTS

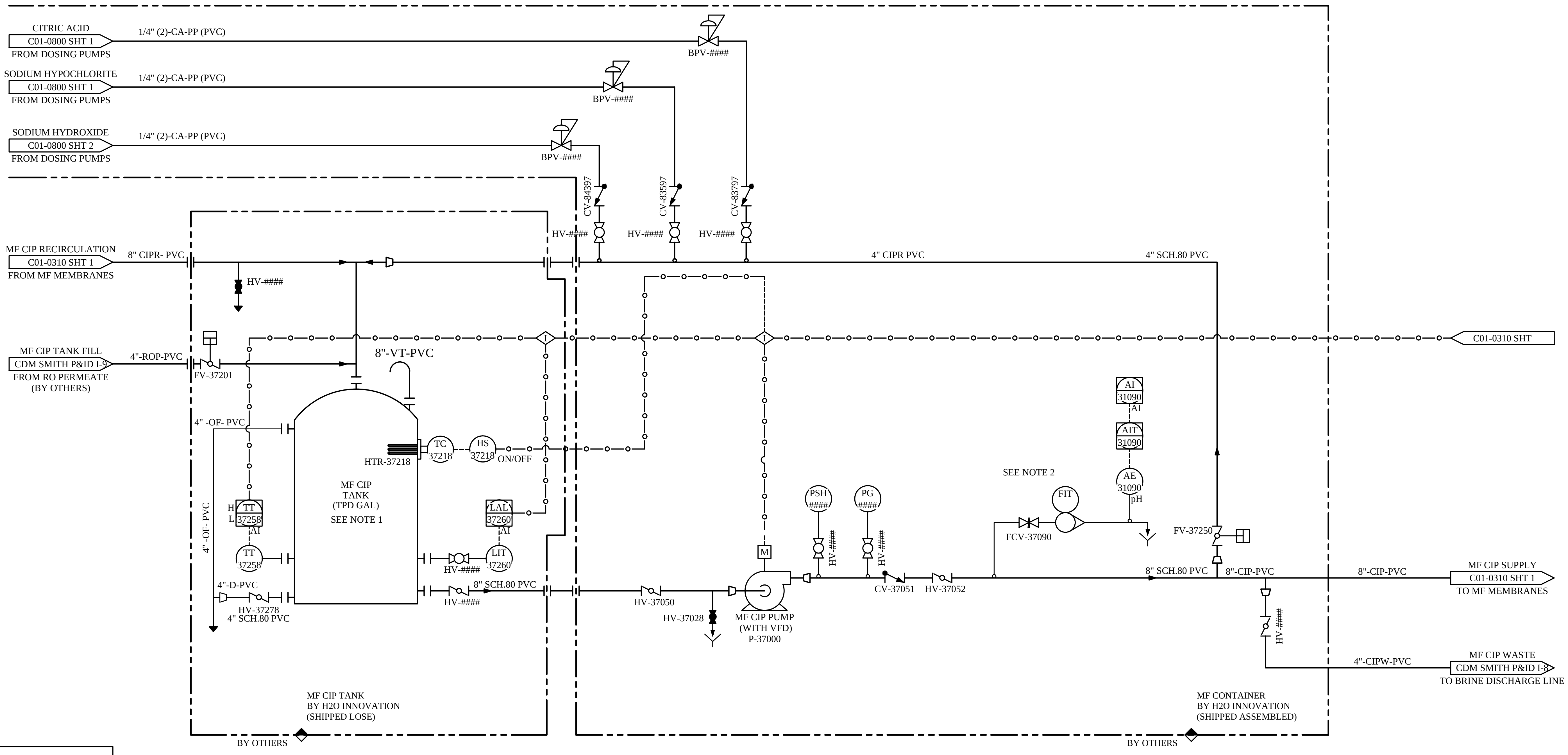
CAMBRIA COMMUNITY SERVICES
DISTRICT EMERGENCY WATER

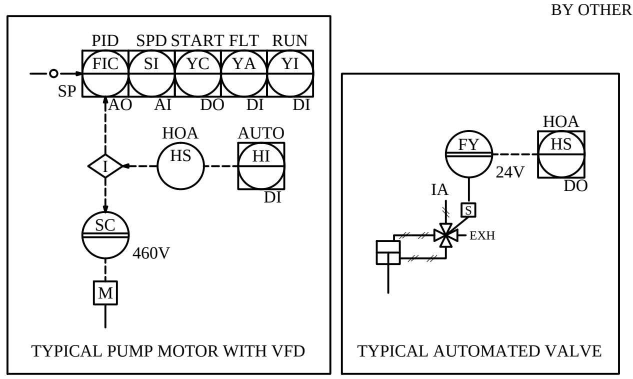
SUPPLY PROJECT

TITLE:
BREAK / BACKWASH TANK AND
MF BACKWASH PUMP
PROCESS & INSTRUMENTATION DIAGRAM

SCALE: N/A
DRAWING NUMBER: O-14024-C01-0360
SHEET: 1 of 1
REVISION: A

Exhibit 14





TYPICAL PUMP MOTOR WITH VFD

TYPICAL AUTOMATED VALVE

NOTES:

1. THE CIP TANK IS LOCATED OUTSIDE THE CONTAINER. ALL VALVES, INSTRUMENTS, AND PIPING ARE SHIPPED LOOSE TO BE INSTALLED BY OTHERS.
2. INSTRUMENT TO BE PLUMBED SO IT STAYS FLOODED

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DRAWING REVISION

REV	DATE (DD/MM/YYYY)	REVISION DESCRIPTION	DRAWN	CHKD	ENG	APPVD
A	12/06/2014	PRELIMINARY	M.C	M.B	M.B	-

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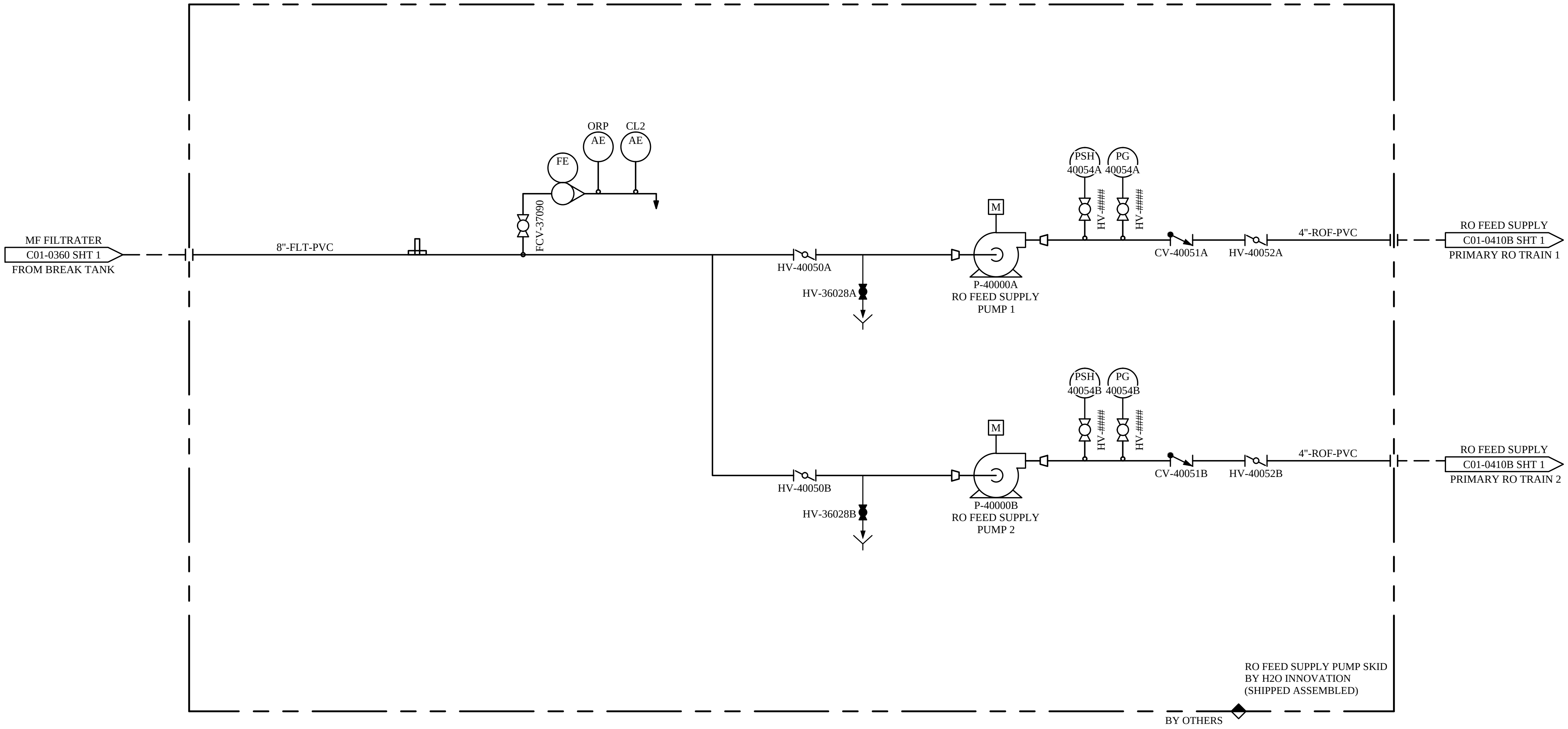
UNLESS NOTED OTHERWISE
INTERPRETATION: ANSI Y14.5
TOLERANCES
FRACTIONS: ±1/16"
DECIMALS 0.X: ±0.030
0.XX: ±0.015
ANGLES: ±0.5°
HOLE SIZES: ±1/32"
HOLE CENTERS: ±1/32"
DO NOT SCALE PRINTS

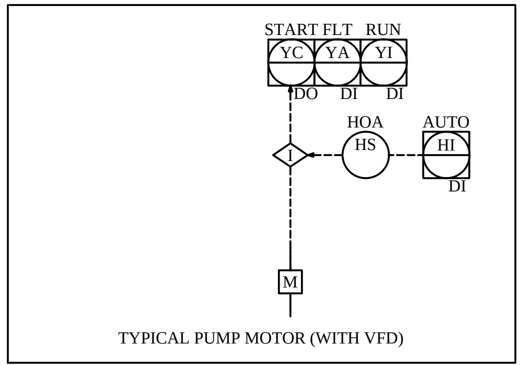
CAMBRIA COMMUNITY SERVICES DISTRICT EMERGENCY WATER
SUPPLY PROJECT

TITLE:
MF CIP SYSTEM
W/ VFD CONTROLLED PUMP
PROCESS & INSTRUMENTATION DIAGRAM

SCALE: N/A
DRAWING NUMBER: O-14024-C01-0370
SHEET: 1 of 1
REVISION A

Exhibit 14





TYPICAL PUMP MOTOR (WITH VFD)

NOTE :
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RÉVISIONS

RÉV	DATE	DESCRIPTION DES RÉVISIONS	DESSIN	VÉRIF	ING.	APPRV
A	03/06/2014	PRELIMINARY	Y.D.	C.T.	M.B.	M.B.

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SAUF INDICATION CONTRAIRE
INTERPRÉTATION: ANSI Y14.5

TOLÉRANCES

FRACTIONS:		±1/16"
DÉCIMALES	0.X:	±0.030
	0.XX	±0.015
ANGLES:		±0.5°
TAILLE DES TROUS:		±1/32"
CENTRE DES TROUS:		±1/32"

VEILLER À CONSERVER LES PROPORTIONS

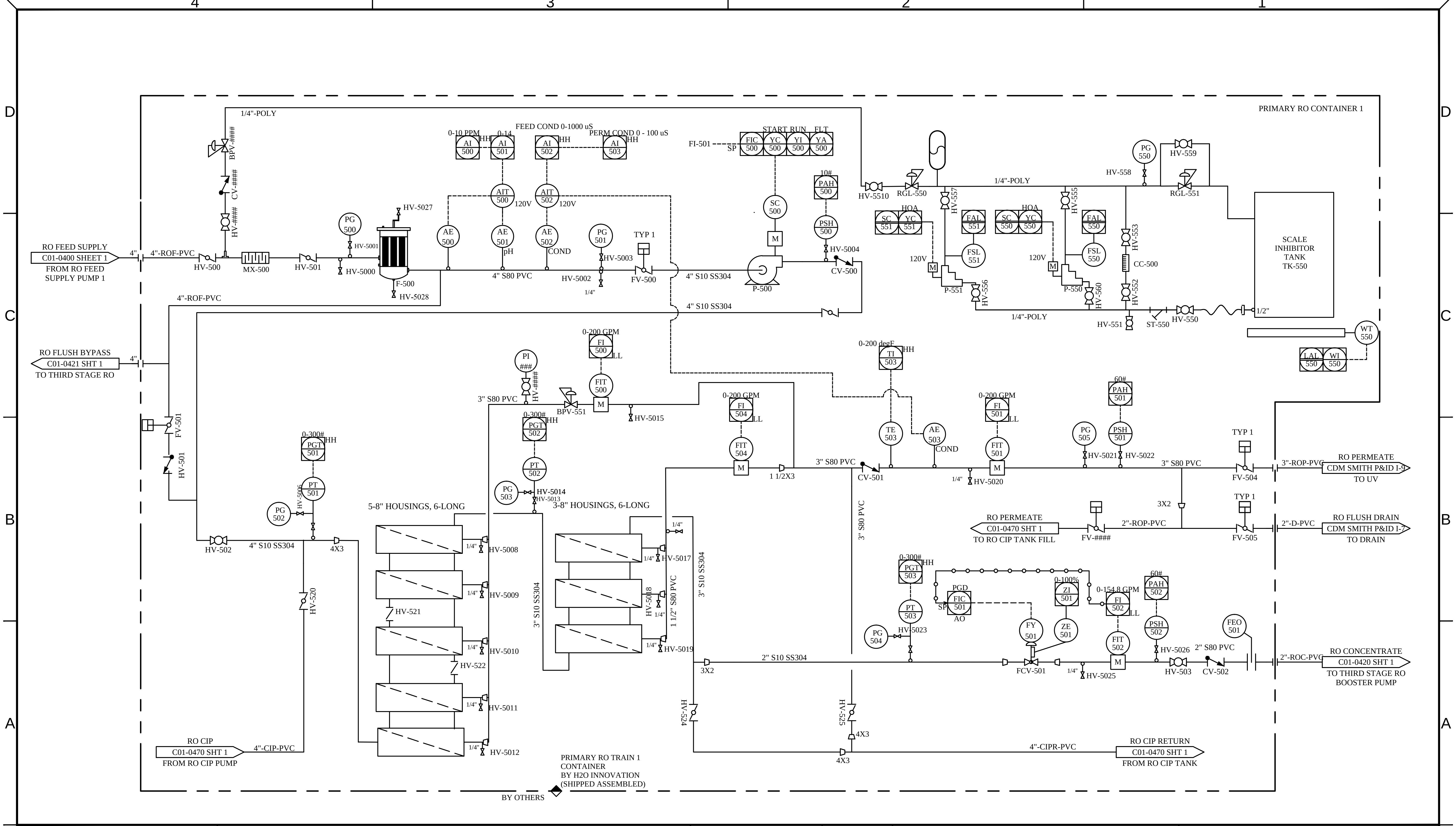
CAMBRIA COMMUNITY SERVICES
DISTRICT EMERGENCY WATER

SUPPLY PROJECT

TITRE:
RO FEED SUPPLY PUMP SKID
PROCESS & INSTRUMENTATION DIAGRAM

ÉCHELLE: N/A
NUMÉRO DE DESSIN: O-14024-C01-0400
FEUIILLE: 1 of 1
RÉVISION: A

Exhibit 14



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UNLESS NOTED OTHERWISE

INTERPRETATION: ANSI Y14.5

TOLERANCES
FRACTIONS: ±1/16"
DECIMALS 0.X: ±0.030
0.XX: ±0.015
ANGLES: ±0.5°
HOLE SIZES: ±1/32"
HOLE CENTERS: ±1/32"

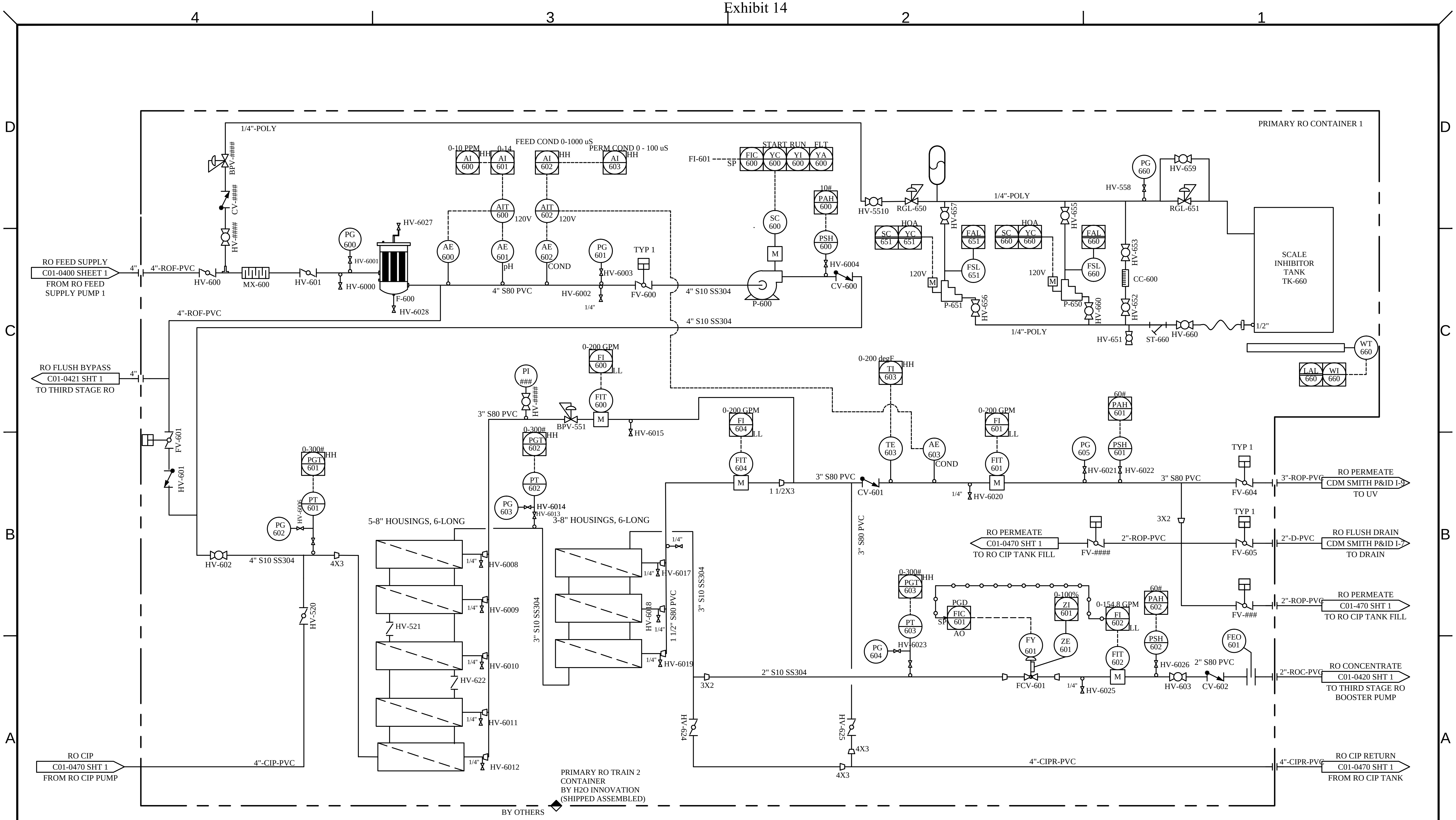
DO NOT SCALE PRINTS

CAMBRIA COMMUNITY SERVICES
DISTRICT EMERGENCY WATER
SUPPLY PROJECT

TITLE:
PRIMARY RO TRAIN 1
PROCESS & INSTRUMENTATION DIAGRAM

SCALE: N/A
DRAWING NUMBER: O-14024--C01-0410
REVISION A
SHEET: 1 of 1

Exhibit 14



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A	12/06/2014	PRELIMINARY	M.P.	M.B.	M.B.	M.B.

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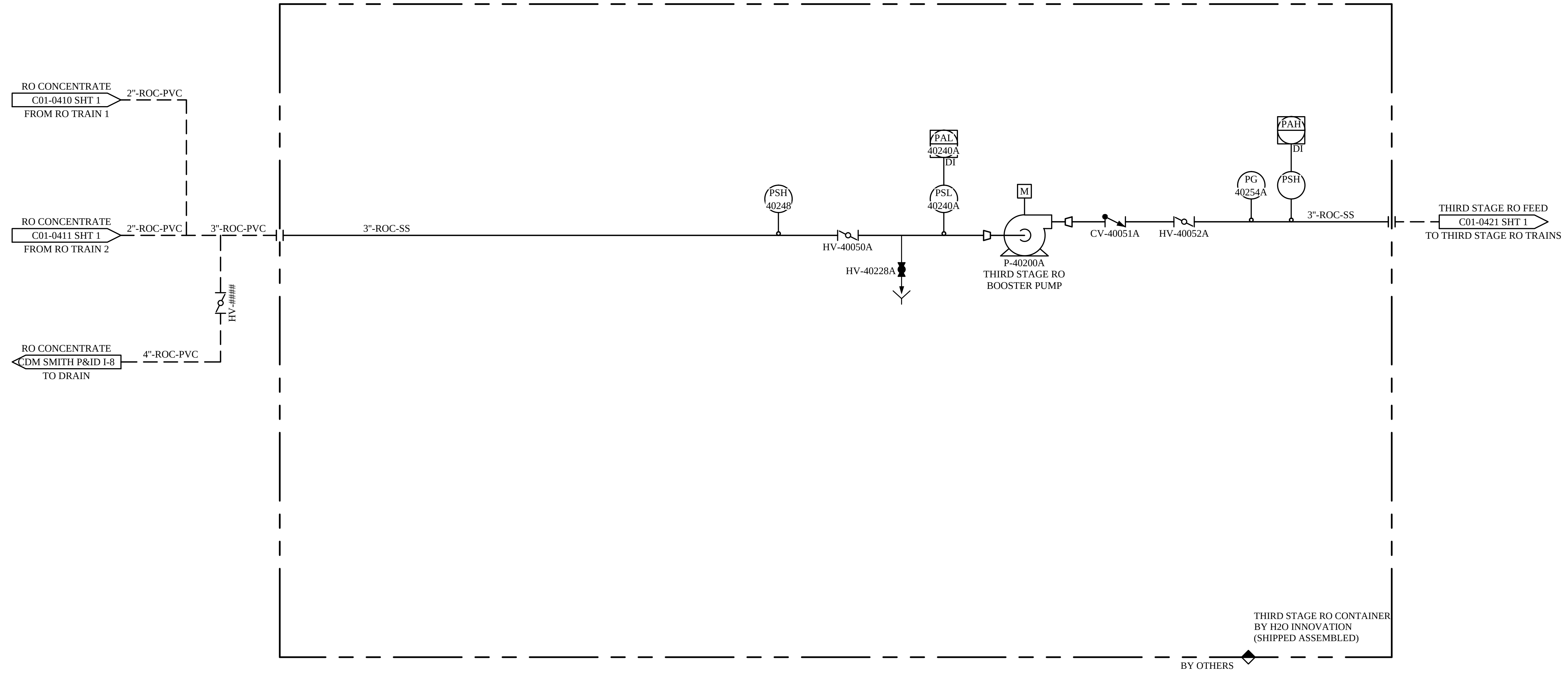
UNLESS NOTED OTHERWISE
INTERPRETATION: ANSI Y14.5
TOLERANCES
FRACTIONS: ±1/16"
DECIMALS 0.X: ±0.030
0.XX: ±0.015
ANGLES: ±0.5°
HOLE SIZES: ±1/32"
HOLE CENTERS: ±1/32"
DO NOT SCALE PRINTS

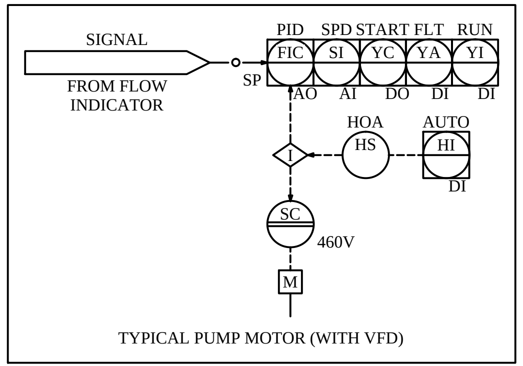
CAMBRIA COMMUNITY SERVICES
DISTRICT EMERGENCY WATER
SUPPLY PROJECT

TITLE:
PRIMARY RO TRAIN 2
PROCESS & INSTRUMENTATION DIAGRAM

SCALE: N/A
DRAWING NUMBER: O-14024--C01-0411
REVISION A
SHEET: 1 of 1

Exhibit 14





TYPICAL PUMP MOTOR (WITH VFD)

NOTE :
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SAUF INDICATION CONTRAIRE
INTERPRÉTATION: ANSI Y14.5
TOLÉRANCES
FRACTIONS: $\pm\frac{1}{16}$"
DÉCIMALES 0.X: ±0.030
0.XX ±0.015
ANGLES: ±0.5°
TAILLE DES TROUS: $\pm\frac{1}{32}$"
CENTRE DES TROUS: $\pm\frac{1}{32}$"
VEILLER À CONSERVER LES PROPORTIONS

CAMBRIA COMMUNITY SERVICES
DISTRICT EMERGENCY

SUPPLY PROJECT

TITRE:
THIRD STAGE RO BOOSTER PUMP
PROCESS & INSTRUMENTATION DIAGRAM

ÉCHELLE: N/A
NUMÉRO DE DESSIN: O-14024-C01-0420
FEUIILLE: 1 of 1
RÉVISION: A

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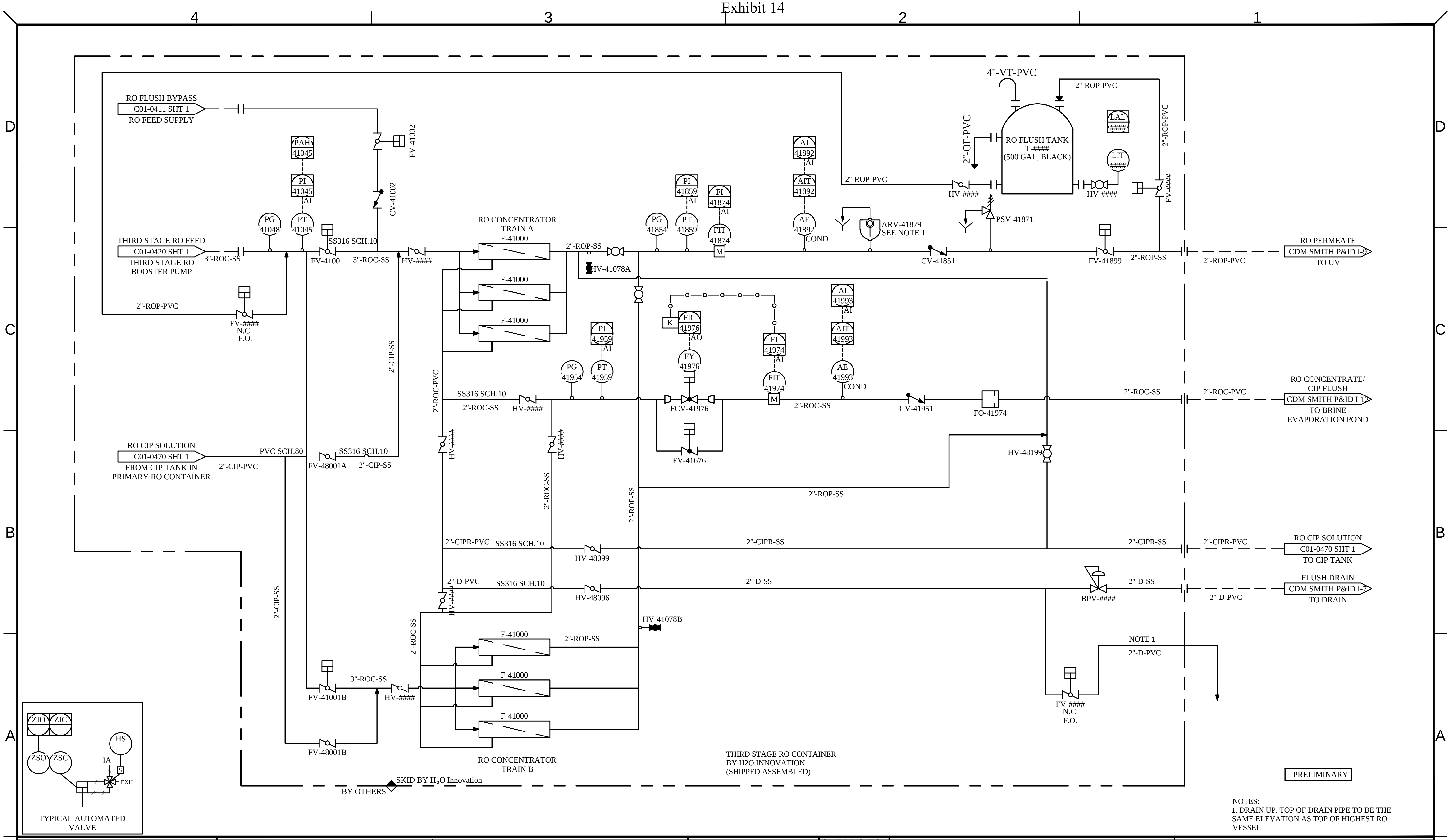

NOTES:
1. DRAIN UP, TOP OF DRAIN PIPE TO BE THE SAME ELEVATION AS TOP OF HIGHEST RO VESSEL

NOTE :
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RÉVISIONS

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A	03/06/2014	PRELIMINARY	Y.D.	C.T.	M.B.	M.B.

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SAUF INDICATION CONTRAIRE
INTERPRÉTATION: ANSI Y14.5
TOLÉRANCES
FRACTIONS: ±1/16"
DÉCIMALES 0.X: ±0.030
0.XX ±0.015
ANGLES: ±0.5°
TAILLE DES TROUS: ±1/32"
CENTRE DES TROUS: ±1/32"
VEILLER À CONSERVER LES PROPORTIONS

CAMBRIA COMMUNITY SERVICES
EMERGENCY WATER
SUPPLY PROJECT

TITRE:
THIRD STAGE RO
PROCESS & INSTRUMENTATION DIAGRAM

ÉCHELLE: N/A
NUMÉRO DE DESSIN: O-14024-C01-0421
FEUIILLE: 1 of 1
RÉVISION A

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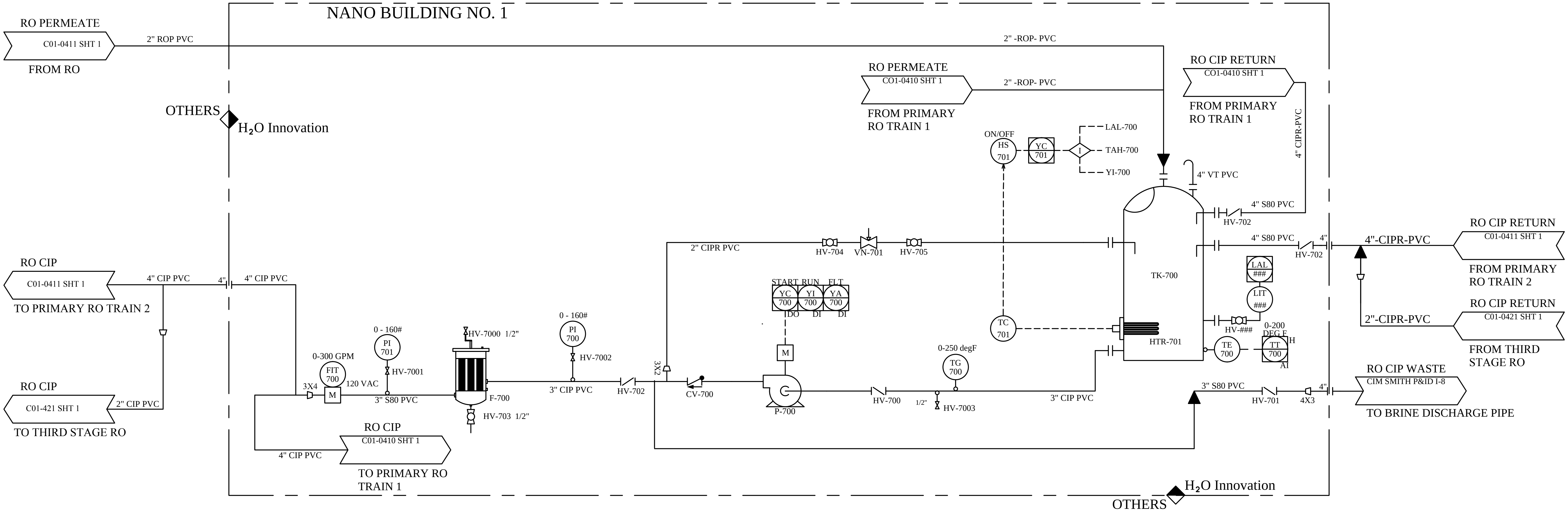

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A	9/7/14	PRELIMINARY	Y.D.	C.T.	M.B.	M.B.

CAMBRIA COMMUNITY SERVICES
EMERGENCY WATER

SUPPLY PROJECT

TITLE:
RO CIP SYSTEM
PROCESS & INSTRUMENTATION
DIAGRAM

FILE: O-14024-C01-0470
DATE: 10/07/14
SHEET: 1 OF 1
SCALE: N.T.S.
DRAWN BY: Y.D.
CHECKED:
ENGINEER:
APPROVED:
DRAWING NUMBER: O-14024-C01-0470
REVISION A
7/9/12

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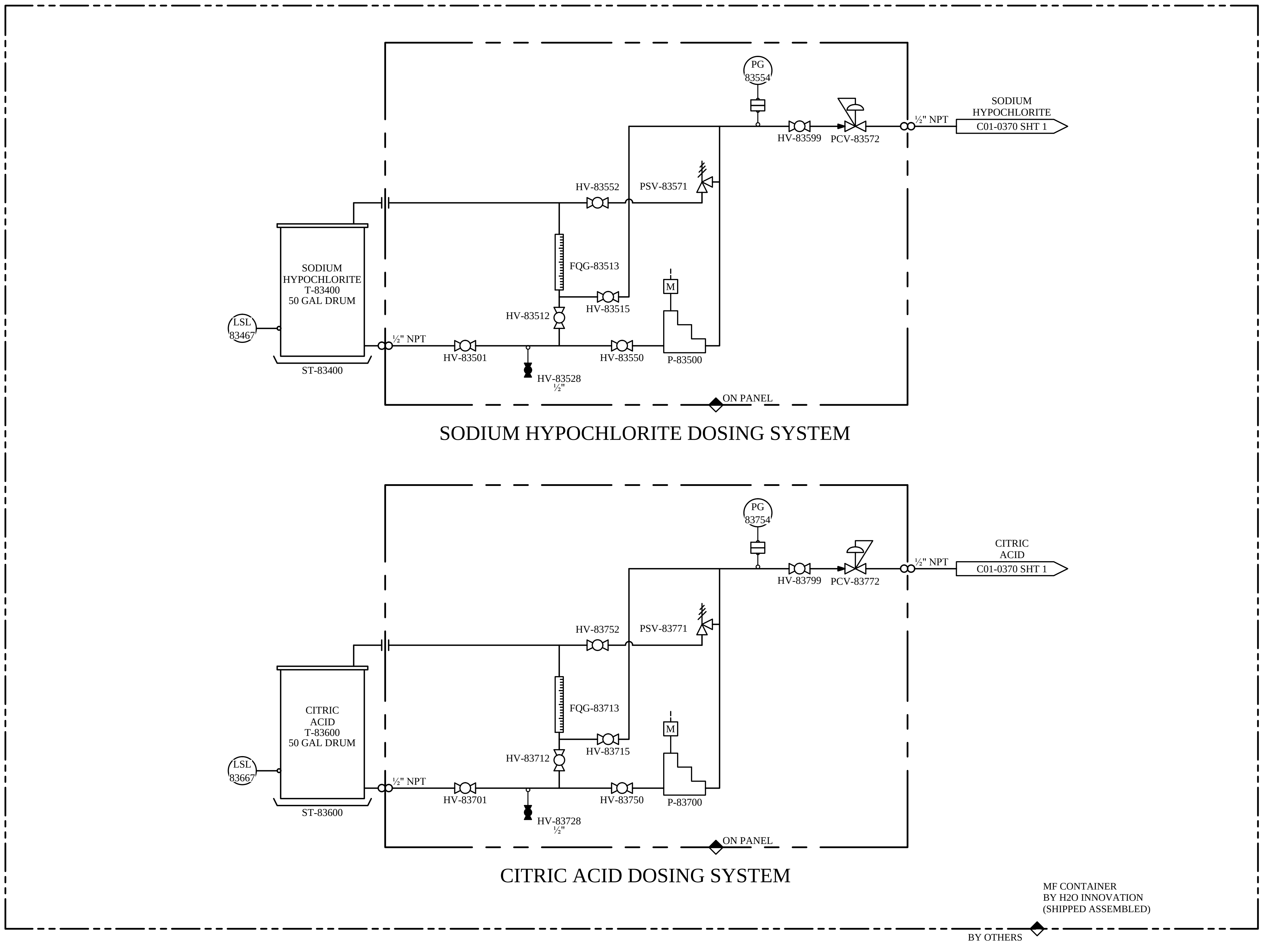

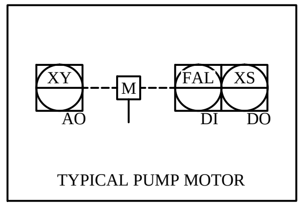

TYPICAL PUMP MOTOR

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INTERPRETATION: ANSI Y14.5

TOLERANCES
FRACTIONS: ±1/16"
DECIMALS 0.X: ±0.030
0.XX: ±0.015
ANGLES: ±0.5°
HOLE SIZES: ±1/32"
HOLE CENTERS: ±1/32"

DO NOT SCALE PRINTS

CAMBRIA COMMUNITY SERVICES
DISTRICT EMERGENCY

SUPPLY PROJECT

TITLE:
MF CLEANING CHEMICALS
PROCESS & INSTRUMENTATION DIAGRAM

SCALE: N/A
DRAWING NUMBER: O-14024-C01-0800
SHEET: 1 of 2
REVISION A

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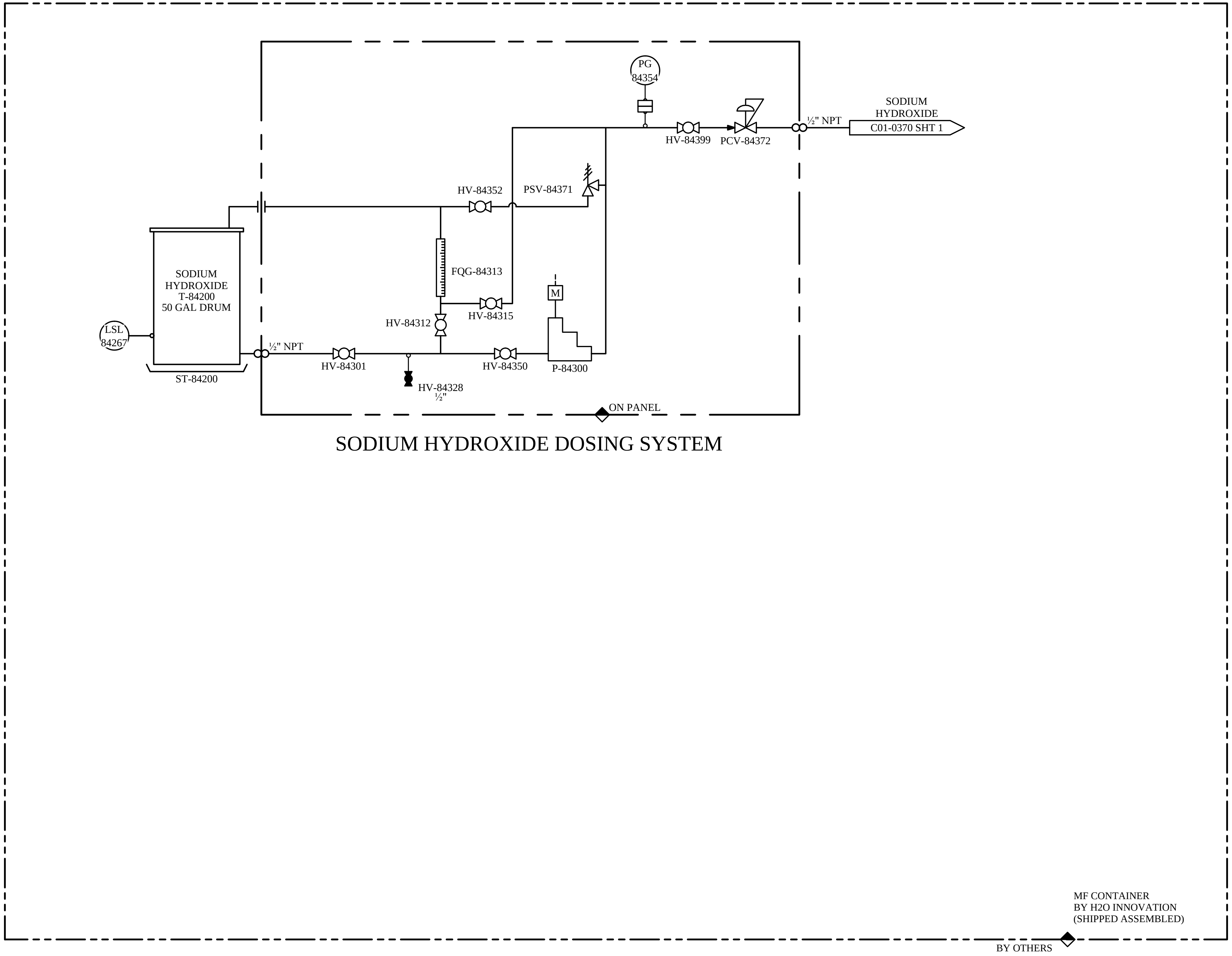
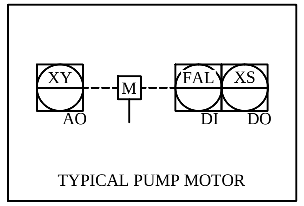


SODIUM HYDROXIDE DOSING SYSTEM



TYPICAL PUMP MOTOR

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INTERPRETATION:
ANSI Y14.5

TOLERANCES

	FRACTIONS:	±1/16"
DECIMALS	0.X:	±0.030
	0.XX:	±0.015
ANGLES:		±0.5°
HOLE SIZES:		±1/32"
HOLE CENTERS:		±1/32"

DO NOT SCALE PRINTS

CAMBRIA COMMUNITY SERVICES
DISTRICT EMERGENCY

SUPPLY PROJECT

TITLE:
MF CLEANING CHEMICALS
PROCESS & INSTRUMENTATION DIAGRAM

SCALE: N/A
DRAWING NUMBER: O-14024-C01-0800
REVISION: A
SHEET: 2 of 2

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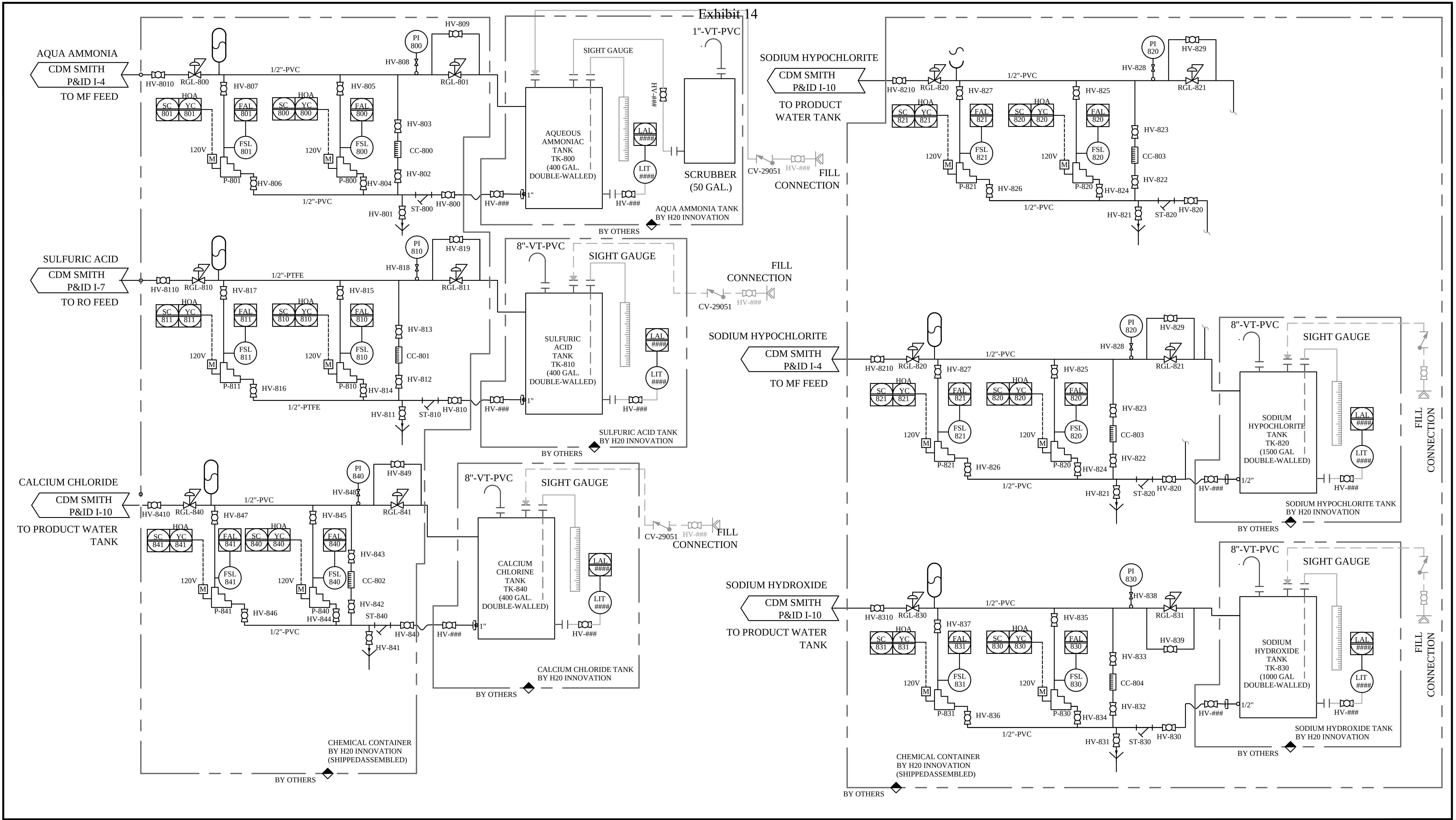

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CAMBRIA COMMUNITY SERVICES
DISTRICT EMERGENCY

SUPPLY PROJECT

TITLE:
BULK CHEMICAL SYSTEMS
PROCESS & INSTRUMENTATION
DIAGRAM

DRAWN BY: M.B
CHECKED: M.B
ENGINEER: M.B
APPROVED:
DRAWING NUMBER: O-14024-C01-0810
REVISION A

FILE: O-14024-C01-0410
DATE: 2014-07-10
SHEET: 1 OF 1
SCALE: N.T.S.

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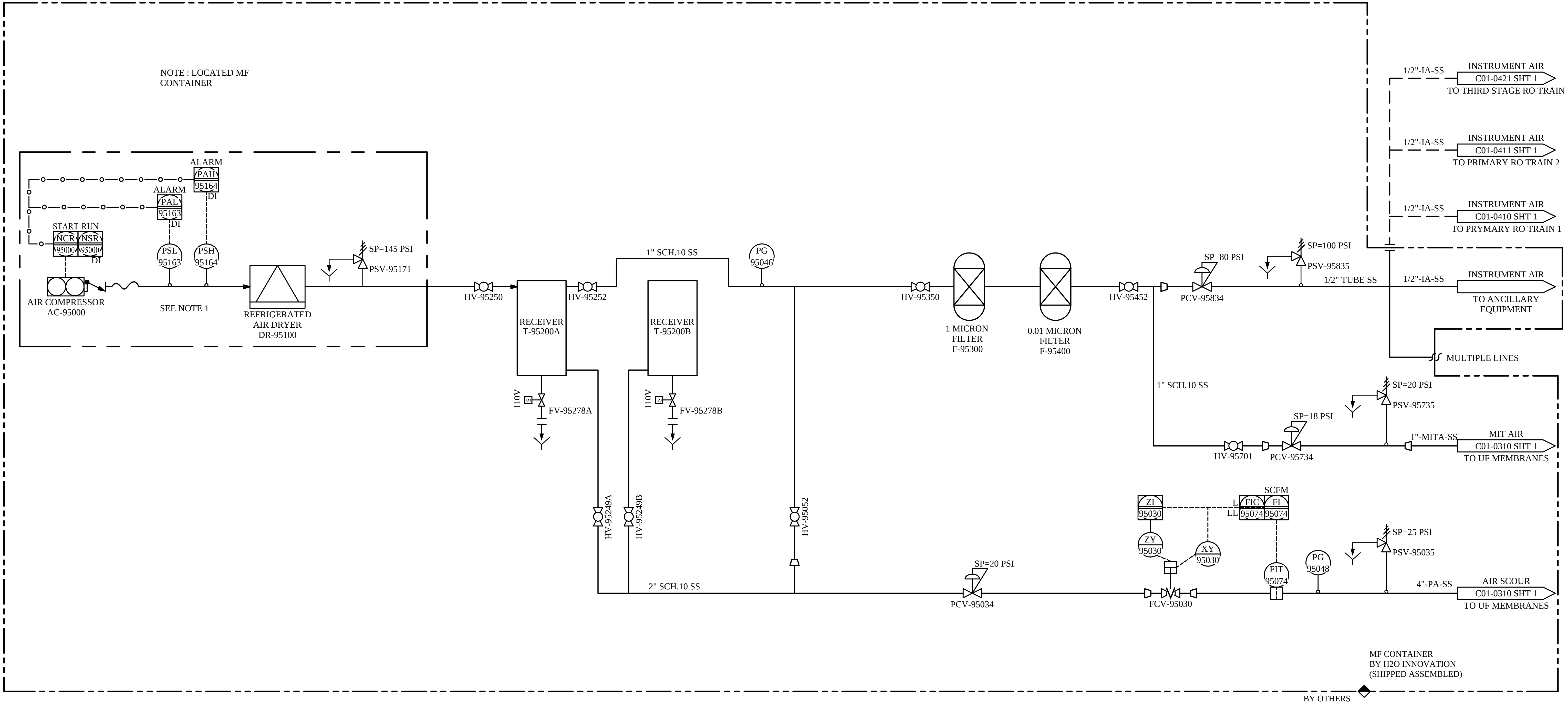

NOTES:

1. ALL THIS EQUIPMENT AND INSTRUMENTATION ARE PROVIDED AS PART OF THE COMPRESSOR PACKAGE.

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A	12/06/2014	PRELIMINARY	M.C	M.B	M.B	-

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UNLESS NOTED OTHERWISE
INTERPRETATION: ANSI Y14.5
TOLERANCES
FRACTIONS: ±1/16"
DECIMALS 0.X: ±0.030
0.XX: ±0.015
ANGLES: ±0.5°
HOLE SIZES: ±1/32"
HOLE CENTERS: ±1/32"
DO NOT SCALE PRINTS

CAMBRIA COMMUNITY SERVICES
DISTRICT EMERGENCY WATER
SUPPLY PROJECT

TITLE:
AIR COMPRESSOR SYSTEM
PROCESS & INSTRUMENTATION DIAGRAM
SCALE: N/A
DRAWING NUMBER: P14761-C01-0950
SHEET: 1 of 1
REVISION A

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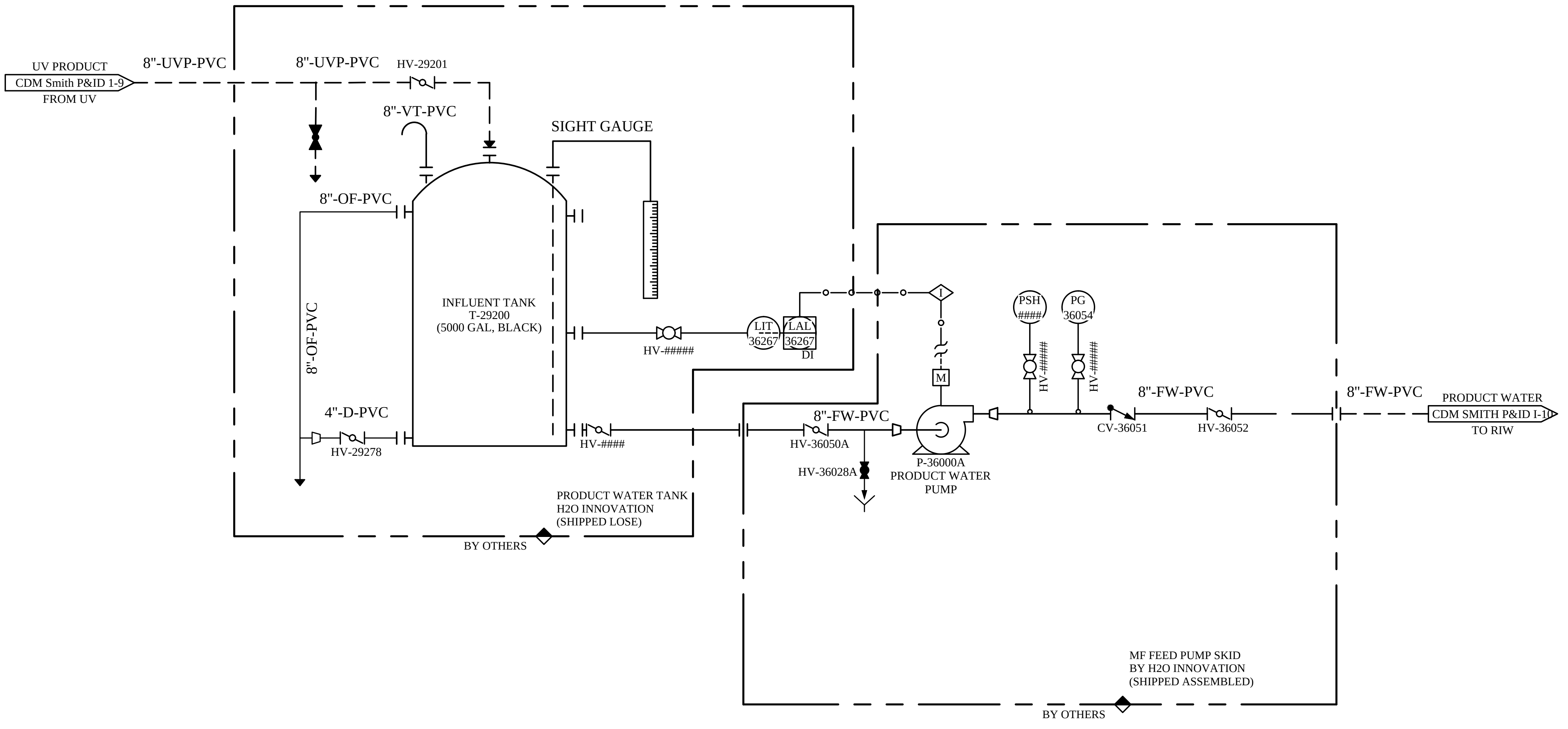

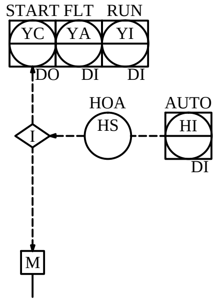

TYPICAL PUMP MOTOR

NOTE:
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UNLESS NOTED OTHERWISE
INTERPRETATION: ANSI Y14.5

TOLERANCES	
FRACTIONS:	±1/16"
DECIMALS 0.X:	±0.030
0.XX:	±0.015
ANGLES:	±0.5°
HOLE SIZES:	±1/32"
HOLE CENTERS:	±1/32"

DO NOT SCALE PRINTS

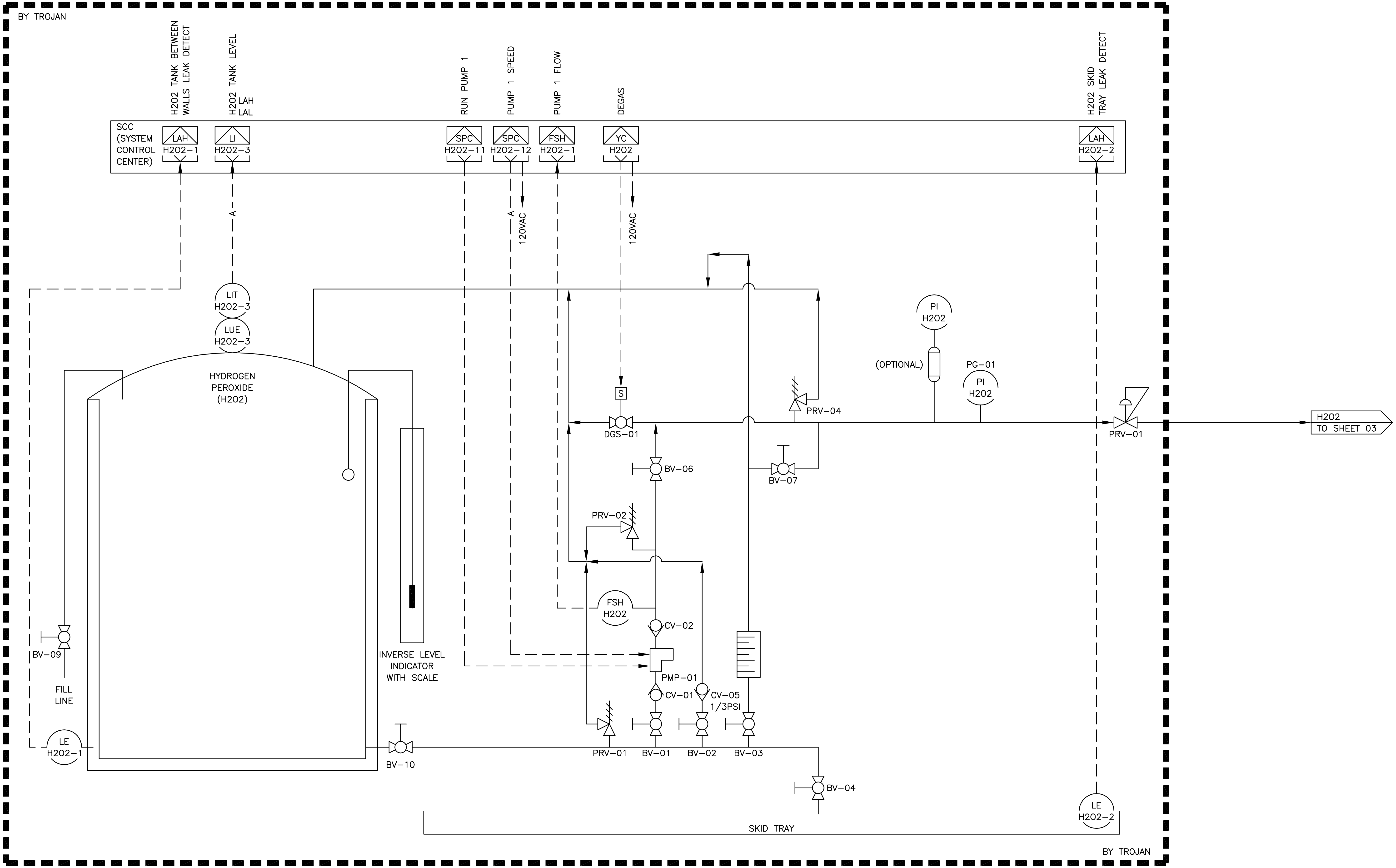
CAMBRIA COMMUNITY SERVICES
DISTRICT EMERGENCY WATER

SUPPLY PROJECT

TITLE:
PRODUCT WATER TANK AND PUMP STATION
PROCESS & INSTRUMENTATION DIAGRAM

SCALE: N/A
DRAWING NUMBER: O-14024-C01-0990
SHEET: 1 of 1
REVISION: A

Exhibit 14



EMERGENCY WATER SYSTEM

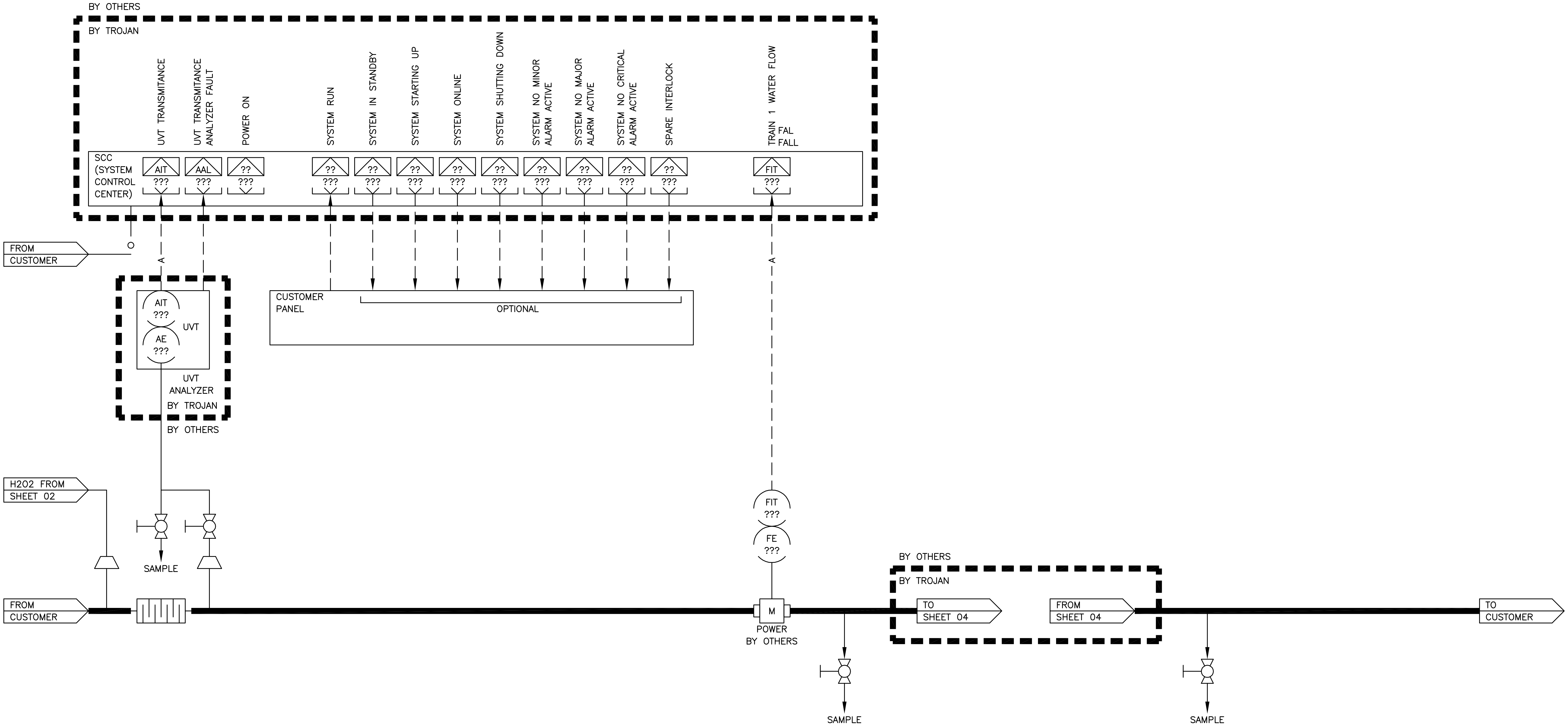
PRELIMINARY
NOT FOR CONSTRUCTION

TROJAN UV
3020 GORE ROAD, LONDON, ONTARIO, CANADA, N5V 4T7

DESCRIPTION
P&ID, CAMBRIA EWS CA
SYSTEM LAYOUT

0 0.5 1.0
1.0" ON ORIGINAL DWG
SCALE: NTS
REVISED BY HHG
CHECKED BY MLP
APPROVED BY HHG
APPROVAL DATE YYYY-MM-DD 2014-07-18
DWG NO. 932536
REV 01
SHEET 02 OF 04
SIZE D

Exhibit 14



PRELIMINARY
NOT FOR CONSTRUCTION

EMERGENCY WATER SYSTEM

TROJANUV
3020 GORE ROAD, LONDON, ONTARIO, CANADA, N5V 4T7

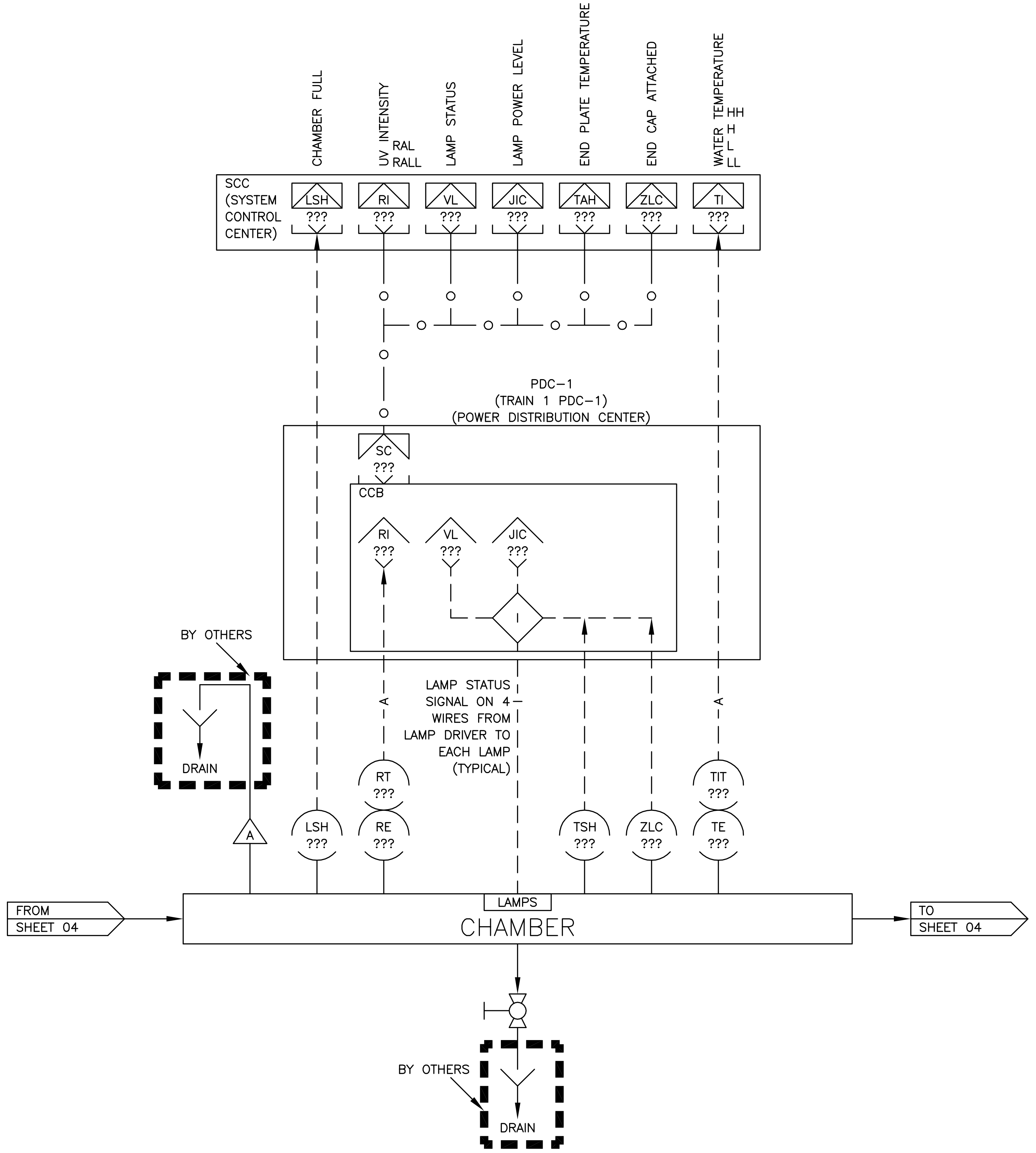
DESCRIPTION
P&ID, CAMBRIA EWS CA
SYSTEM LAYOUT

0 0.5 1.0
1.0" ON ORIGINAL DWG
SCALE: NTS

REVISED BY HHG
CHECKED BY MLP
APPROVED BY HHG
APPROVAL DATE YYYY-MM-DD 2014-07-18

DWG NO. 932519
REV 01
SHEET 03 OF 04
SIZE D

Exhibit 14



PRELIMINARY
NOT FOR CONSTRUCTION

TROJANUV
3020 GORE ROAD, LONDON, ONTARIO, CANADA, N5V 4T7

EMERGENCY WATER SYSTEM

DESCRIPTION
P&ID, CAMBRIA EWS CA
TRAIN LAYOUT

0 0.5 1.0
1.0" ON ORIGINAL DWG
SCALE: NTS
REVISED BY HHG
CHECKED BY MLP
APPROVED BY HHG
APPROVAL DATE YYYY-MM-DD 2014-07-18
DWG NO. 932536
REV 01
SHEET 04 OF 04
SIZE D

Exhibit 14

Attachment B

Self-Certification Statement

Exhibit 14

CERTIFICATION OF MEETING PROJECT GRANT GOAL

I, Robert C. Gresens, a California Registered Civil Engineer (RCE), hereby certify that the

Cambria Community Services District Emergency Water Supply Project
(Project Title)

has been completed in accordance with the final plans and specifications as

defined in Contract Number 4600010880, between the State and

San Luis Obispo County Flood Control and Water Conservation District.
(Name of Local Public Agency); and

Determined the project meets its stated grant agreement goal of being capable of providing approximately 240 to 250 acre-feet of water over a six-month dry season.

Date: April 18, 2016

Affix Stamp:

ROBERT CHARLES GRESENS
C 34018
Exp. 6-30-17
CIVIL

Engineer's Signature: Robert C. Gresens

RCE Number: C 34018 Expiration Date: June 30, 2017

Exhibit 14

Attachment C

Daily Construction Reports

Exhibit 14

CDM Smith

Business Operations

Daily Construction Report

CDM Constructors Inc. Effective: 04/24/2009 / Revision: 03

Date	8/27/2014

Project Name	Cambria Emergency Water Supply Project
Owner	Cambria Community Service District
Project Number	105539
Project Manager	Randy Redmann
CDM Smith Representative	Paul Pagano, Randy Redmann
CDM Constructors Inc. Superintendent	Paul Pagano
Daily Job Report #	1
Work Day #	1
Day of Week	Wednesday
Weather	Clear skies, plenty of sunshine

Signature	Paul Pagano	Temp @ 8:00am	58	Temp @ 2:00pm	69
		High Temp.	71	Low Temp.	53

	Name/Company	Time In	Time out
Visitors (include time)	Ben/Cambria Community Services Disctrict	8:30 AM	9:00AM
	/		
	/		
	/		
	/		
Notes	Ben located where known water lines were at the AWTP site. Showed how to use well 9P7 for needed consutrction water. Ben OK'd locking one of Sansone's combo locks dialed to 2013 and locking into their lock for access.		

No. of Workers	Hours	Extent of Work (complete description of days activity)
2	16	Paul Pagano (Site Superintendent) and Randy Redmann (Construction Manager): Held pre construction meeting at 8:00 AM with Archaeological Monitor (Allison), Native American Monitor (Patti), Biological Monitor (Cindy), and Sansone Crew. Reviewed key aspects of site specfic HASP. Informed subcontractors of locations of local clinic, hospital, and sheriff stations. Checked PPE for all subcontractors. Sansone conducted safety meeting that we were present for. Supervised site activities and mobilized work stations.

Exhibit 14

CDM Smith

Business Operations

Daily Construction Report

CDM Constructors Inc. Effective: 04/24/2009 / Revision: 03

Verbal Directives	Warned Archaelogical monitor to wear construction work boots for the following work day.
Changes from Specification	N/A
Back charges and/or Extra Work	N/A

Slip #	Supplier	Material Received

Supplier	Date In	Date Out	CDM Constructors Inc. Equipment Rental (Supplier Name)
Enterprise	8/25	-	Dode Ram 2500 Work Truck

Position (trade) of Subcontractors	No. of Workers	Hours	Extent of Work (complete description of days activity)
Archaeological Monitor	1	8	Present for pre construction meeting. Monitor both AWTP site and Evaporation pond site during clear and grub activities. Discovery of bones found in excavation at AWTP site. Area roped off until someone can determine if remains are human.
Native American Monitor	1	8	Present for pre construction meeting. Monitor both AWTP site and Evaporation pond site during clear and grub activities.
Biological Monitor	1	8	Present for pre construction meeting. Monitor both AWTP site and Evaporation pond site during clear and grub activities.
Sansone	7	62	Mobilzed to Cambria site. Arrived onsite around 7:45AM. Conducted a safety meeting with crew and CDM. Commenced work around 9:45. Crew installed Wattles around AWTP site and began mobilization of equipment over to the evaporation pond. Worked at the evaproation pond site grubbing and

Exhibit 14

			chipping. Also worked on grubbing and over excavation at the AWTP site.
Northcoast Engineering	2	6	Survey AWTP countours and over excavation corners.

Equipment on Project	Hours	Idle	Description of Operation of Equipment
(4)Cat D-6H			Clear and Grub, Over Excavation
(3)Cat 140G			Clear and Grub, Over Excavation
PC 200			Clear and Grub, Over Excavation
(2)Cat D-4GS			Clear and Grub, Over Excavation
(2)Cat 936			Clear and Grub, Over Excavation
(2)H20 truck			Clear and Grub, Over Excavation
Rental Chipper			Clear and Grub

Exhibit 14

Exhibit 14

CDM Smith

Business Operations

Daily Construction Report

CDM Constructors Inc. Effective: 04/24/2009 / Revision: 03

Date	8/28/2014

Project Name	Cambria Emergency Water Supply Project
Owner	Cambria Community Services District
Project Number	105539
Project Manager	Randy Redmann

CDM Smith Representative	Paul Pagano, Randy Redmann
CDM Constructors Inc. Superintendent	Paul Pagano
Daily Job Report #	2
Work Day #	2
Day of Week	Thursday
Weather	Partly Cloudy

Signature	Paul Pagano	Temp @ 8:00am	60	Temp @ 2:00pm	79
		High Temp.	79	Low Temp.	59

Visitors (include time)	Name/Company	Time In	Time out
	/		
	/		
	/		
	/		
	/		

Notes	

No. of Workers	Hours	Extent of Work (complete description of days activity)
2	16	Paul Pagano (Site Superintendent) and Randy Redmann (Construction Manager): Supervised site activities. Held meeting with Christy (QSP) and Scott of North Coast engineering to go over the SWPPP plan for the site.

Verbal Directives	Sansone to move existing pipe that is located in the South-West region of evaporation pond to a location that is out of there way. OK'd Sasone to soften the slope at the North-East corner of evaporation to allow access for water truck.

Exhibit 14

Daily Construction Report

Changes from Specification	N/A
Back charges and/or Extra Work	N/A

Slip #	Supplier	Material Received

Supplier	Date In	Date Out	CDM Constructors Inc. Equipment Rental (Supplier Name)
Enterprise	8/25	-	Dode Ram 2500 Work Truck

Position (trade) of Subcontractors	No. of Workers	Hours	Extent of Work (complete description of days activity)
Archaeological Monitor	3	16	Monitor AWTP site during over excavation activites. Monitor evaporation pond site during clear and grub activities. Removed bones from site.
Native American Monitor	1	8	Monitor AWTP site during over excavation activites. Monitor evaporation pond site during clear and grub activities.
Biological Monitor	1	8	Monitor AWTP site during over excavation activites. Monitor evaporation pond site during clear and grub activities
Sansone	7	56	Crew continued clearing and grubbing the evaporation pond. Over excavation continued at the AWTP site. Soils engineer was not able to make it today to test the compaction of the soil of the three over excavated areas at the AWTP site and will be here first thing tommrow morning. Continued staking was done around the AWTP site. Demo of the spillway at the evaporation pond was performed and bunched up onsite to haul off tommrow.
Northcoast Engineering	2	2	Came to site to review SWPPP plan.

Exhibit 14

Daily Construction Report

Equipment on Project	Hours	Idle	Description of Operation of Equipment
Cat D-6H			Clear and Grub, Over Excavation
PC 200			Clear and Grub, Over Excavation, demo spillway, soften slope at evaporation pond
H20 truck / IR 115			Clear and Grub, Over Excavation
Cat D-4GS			Clear and Grub, Over Excavation
Cat 936			Clear and Grub, Over Excavation

Exhibit 14

Exhibit 14

CDM Smith

Business Operations

Daily Construction Report

CDM Constructors Inc. Effective: 04/24/2009 / Revision: 03

Date	8/29/2014

Project Name	Cambria Emergency Water Supply Project
Owner	Cambria Community Services District
Project Number	105539
Project Manager	Randy Redmann
CDM Smith Representative	Paul Pagano, Randy Redmann
CDM Constructors Inc. Superintendent	Paul Pagano
Daily Job Report #	3
Work Day #	3
Day of Week	Friday
Weather	Partly Cloudy

Signature	Paul Pagano	Temp @ 8:00am	61	Temp @ 2:00pm	80
		High Temp.	80	Low Temp.	59

	Name/Company	Time In	Time out
Visitors (include time)	/		
	/		
	/		
	/		
	/		
Notes			

No. of Workers	Hours	Extent of Work (complete description of days activity)
2	16	Paul Pagano (Site Superintendent) and Randy Redmann (Construction Manager): Supervised site activities. Met with GSI soils who performed compaction tests and observed bottom of excavation for some of the future concrete pad locations. Met with Jim Miller (Sansone Superintendent) regarding concrete and piping logistics on the project.

Verbal Directives	Informed Sansone of complaints from some citizens of Cambria in regards to dust from jobsite. Directed Sansone to start implementing measures to mitigate dust issues.

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Daily Construction Report

CDM Constructors Inc. Effective: 04/24/2009 / Revision: 03

Changes from Specification	N/A
Back charges and/or Extra Work	N/A

Slip #	Supplier	Material Received

Supplier	Date In	Date Out	CDM Constructors Inc. Equipment Rental (Supplier Name)
Enterprise	8/25	-	Dode Ram 2500 Work Truck

Position (trade) of Subcontractors	No. of Workers	Hours	Extent of Work (complete description of days activity)
Archaeological Monitor	2	16	Monitor AWTP site during over excavation activites. Monitor evaporation pond site during clear and grub activities.
Native American Monitor	1	8	Monitor AWTP site during over excavation activites. Monitor evaporation pond site during clear and grub activities.
Biological Monitor	1	8	Monitor AWTP site during over excavation activites. Monitor evaporation pond site during clear and grub activities
Sansone	7	46	Crew continued over excavation at the AWTP site. Clearing and grubbing also continued at the evaporation pond site. Demo of the inlet and outlet reservoir was also performed. A water truck was added to the evaporation pond crew for dust control. Crew at evaporation pond left jobesite to move Sansone's office to a new location and also hauled off demo'd concrete from spillway and reservoir inlet/outlet. Before leaving crew ran a couple of loads of water at the evaporation pond to mitigate dust over the weekend.
GSI Soils	1	2	GSI soils performed compaction tests and observed bottom of excavation for some of the future concrete pad locations.

Exhibit 14

Daily Construction Report

Equipment on Project	Hours	Idle	Description of Operation of Equipment
Cat D-6H			Clear and Grub, Over Excavation
PC 200			Clear and Grub, Over Excavation, Demo inlet and outlet reservoir
H20 truck / IR 115			Clear and Grub, Over Excavation
Cat D-4GS			Clear and Grub, Over Excavation
Cat 936			Clear and Grub, Over Excavation

Exhibit 14

Exhibit 14

Business Operations

Daily Construction Report

CDM Constructors Inc. Effective: 04/24/2009 / Revision: 03

Date	9/02/2014

Project Name	Cambria Emergency Water Supply Project
Owner	Cambria Community Services District
Project Number	105539
Project Manager	Randy Redmann
CDM Smith Representative	Paul Pagano, Randy Redmann
CDM Constructors Inc. Superintendent	Paul Pagano
Daily Job Report #	4
Work Day #	4
Day of Week	Tuesday
Weather	Partly Cloudy

Signature	Paul Pagano	Temp @ 8:00am	59	Temp @ 2:00pm	76
		High Temp.	77	Low Temp.	58

Visitors (include time)	Name/Company	Time In	Time out
	Bob Gresens/CCSD	10:00 AM	10:15 AM
	Ben Eastin/CCSD	8:00 AM	8:15 AM
	/		
	/		
	/		
Notes			

No. of Workers	Hours	Extent of Work (complete description of days activity)
2	16	Paul Pagano (Site Superintendent) and Randy Redmann (Construction Manager): Supervised site activities. Held safety meeting with entire crew on site.

Verbal Directives	Informed Sansone to create fueling stations for equipment.
Changes from Specification	According to drawing C-03 area within the limits of access road and 8' around each concrete pad located outside of road shall be covered with 3/4" gravel at a minimum of 2". According to drawing S-02 detail G, the detail shows the top of slab of each equipment pad to be at 4" above finished grade. This detail

Exhibit 14

Daily Construction Report

	should read 4" minimum above finished grade because the site is slightly sloped for drainage and you will not have all pads located 4" from finished grade. Also this 2" gravel will be on top of the 4" minimum distance from top of equipment pad to finish grade.
Back charges and/or Extra Work	N/A

Slip #	Supplier	Material Received

Supplier	Date In	Date Out	CDM Constructors Inc. Equipment Rental (Supplier Name)
Enterprise	8/25	-	Dode Ram 2500 Work Truck
Coastal Roll Off	9/02	-	40 Yard Dumpster

Position (trade) of Subcontractors	No. of Workers	Hours	Extent of Work (complete description of days activity)
Archaeological Monitor	1	8	Attended site safety meeting. Monitor AWTP site during over excavation activites. Monitor evaporation pond site during clear and grub activities.
Native American Monitor	1	8	Attended site safety meeting. Monitor AWTP site during over excavation activites. Monitor evaporation pond site during clear and grub activities.
Biological Monitor	1	8	Attended site safety meeting. Monitor AWTP site during over excavation activites. Monitor evaporation pond site during clear and grub activities.
Sansone	7	46	Attended site safety meeting. Crew continued and finished clearing and grubbing at the evaporation pond site. Water truck was run during all clearing and grubbing activities at the evaporation pond site. When clear and grub activities were finished xcavator was then mobilized from the pond to the AWTP site. A disc was mobilized to the evaporation pond site. Overexcavation continued at the AWTP site. Crew had to excavate around the HDPE culvert which encroaches into the 5' overexcavation zone for the 5,000 gal product water tank

Exhibit 14

			pad. Rick with GSI was called regarding schedule and this issue. He will look at tomorrow but said 2' outside of concrete is acceptable.
Equipment on Project	Hours	Idle	Description of Operation of Equipment
PC 200			Clear and Grub, Over Excavation
Cat D-4GS			Clear and Grub, Over Excavation
IR 115/Water Buffalo			Clear and Grub, Over Excavation
Cat D-6H			Clear and Grub, Over Excavation
H20 Truck			Clear and Grub, Over Excavation

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Exhibit 14

CDM Smith Safety Meeting Topic Sheet

Project Name: San Simeon Creek Emergency Water Supply Project
Project Number: 105539
Owner: Cambria Community Services District
Project Manager: Randall Redmann
Date: 9/02/2014

"Dust Mitigation"

We are starting to receive complaints from the citizens of Cambria in regards to dust from the jobsite. They have stated we lack adequate dust control at the site. We will need to implement measures to reduce the dust that is being projected into the air.

Controls involved with "Dust Mitigation" are:

- The use of water trucks and water buffalos at both the AWTP and Evaporation Pond site's consistently.
- Sprinkle sites with water until the surface is wet enough so dust does not become airborne. Repeat as necessary.
- If you see extreme dust being projected in the air that would cause a citizen to call and complain please inform Randy Redmann or Paul Pagano.

"Speeding and Safety Belts"

Do not speed within job site limits and wear safety belts at all times whether you are driving a work truck, car, or heavy equipment.

Hazards involved with "Speeding and Safety Belts" are:

- Higher speeds in vehicles increases the likelihood of an accident because higher speed reduces the possibility to respond in time when necessary and could cause fatal injury.
- Not wearing a safety belt can leave you susceptible to being ejected from vehicles. Statistics show that seat belts save lives. Wearing a seat belt reduces the risk of fatal injury.

Controls to decrease risk of hazards involved with "Speeding and Safety Belts" is:

- Drive at a safe speed in each vehicle and equipment onsite.
- Wear seatbelt while operating any equipment or vehicle onsite.

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CDM Smith

Safety Meeting Topic Sheet

"Heavy Equipment"

The primary sources of injury to operators and other personnel working around heavy equipment are:

- Repairing and servicing equipment in dangerous positions.
- Striking individuals or other vehicles with the equipment.
- Unexpected violent tipping of the equipment.
- Limbs of trees or overhead obstructions.
- Leaving equipment in dangerous positions unattended.
- Failure of lifting mechanisms.
- Speeding.
- No safety belt.

Controls to decrease risk of hazards involved with "Heavy Equipment" are:

- Machines should be maintained in good working order. All vital parts should be thoroughly inspected each day.
- Machines should be operated at speeds and in a manner consistent with conditions on the particular job.
- At no time should a piece of equipment be left unattended while the motor is running, especially if the machine is on an inclined surface or on loose material.
- Personnel should stop motors and refrain from smoking during refueling operations.
- The operator should keep deck plates or steps on equipment free from grease, oil, ice and mud. Corded soles shoes are recommended.
- Employees, other than operator, should not ride on equipment.
- Operators should not wear loose clothing, which can get caught in moving parts of equipment.

"Report All Injuries"

- CDM Constructors Inc. had two injuries that were reported late recently. Per CCI policies, all injuries are to be reported to the supervisor immediately. This ensures that the accident date, time, and circumstances are properly documented.
- Your supervisor will work with the Regional H&S manager or Site – specific H&S officer to ensure proper care and treatment are provided.

Exhibit 14

CDM Smith Safety Meeting Topic Sheet

- Employees who delay reporting injuries to their supervisors will still have their injuries treated in a timely manner, but will be subject to disciplinary action after they are treated and have fully recovered.

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CDM Smith

Site Safety Meeting Sign In Sheet

CDM Constructors Inc.

Project Name San Simeon Creek Emergency Water Supply Project
Project Number
Owner Cambria Community Services District
Project Manager Randall Redmann

Topics: DUST MITIGATION, SPEEDING & SAFETY BELTS, HEAVY EQUIPMENT, REPORT ALL INJURIES

Date: 9-2-2014

Name	Company	Position	Signature
MATT DEBERNARDI	SANSONE	SUPERINTENDENT	
Jim Iuzzio	SANSONE Co.	Labor	
STEVE HERRERA	SANSONE CO.	Labor	
DANIEL GUERRERO	SAN SONE CO.		
JEFF Derzies	Sansone	eq	
TONY DIAZ	SANSONE	OPPORATER.	
Clarence Land	Sansone	labor	
Julie Thomas	Sansone	monitor	Thomas
ALLISON LOBER	CRMS	ARCHAEOLOGICAL MONITOR	
Patti Dutton	SHPA	Native Monitor	Patti Dutton
PAUL PAGANO	CDM	SUPERINTENDENT	Paul Pagano
Randy Redmann	CDM	Project Manager	Randy Redmann

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CDM Smith

Business Operations

Daily Construction Report

CDM Constructors Inc. Effective: 04/24/2009 / Revision: 03

Date	9/03/2014

Project Name	Cambria Emergency Water Supply Project
Owner	Cambria Community Services District
Project Number	105539
Project Manager	Randy Redmann

CDM Smith Representative	Paul Pagano, Randy Redmann				
CDM Constructors Inc. Superintendent	Paul Pagano				
Daily Job Report #	5				
Work Day #	5				
Day of Week	Wednesday				
Weather	Partly Cloudy				
Signature	Paul Pagano	Temp @ 8:00am	60	Temp @ 2:00pm	72
		High Temp.	75	Low Temp.	58

Visitors (include time)	Name/Company	Time In	Time out
	/		
	/		
	/		
	/		
	/		
Notes			

No. of Workers	Hours	Extent of Work (complete description of days activity)
2	16	Paul Pagano (Site Superintendent) and Randy Redmann (Construction Manager): Supervised site activities. CDM, Rick (GSI), and Matt (Sansone) met regarding the following: Keyway detail for the evaporation pond; Rick drew up a plan for Randy to submit to CDM engineering. Clear and grubbing detail for evaporation pond.

Verbal Directives	Sansone will fill 5' inside the pipe with concrete including a concrete cap for the existing resevoir inlet and outlet in the evaporation pond. Sansone will perform 10 hour work days to catch up on Mondays holiday for the remainder of the

Exhibit 14

	week.
Changes from Specification	N/A
Back charges and/or Extra Work	N/A

Slip #	Supplier	Material Received

Supplier	Date In	Date Out	CDM Constructors Inc. Equipment Rental (Supplier Name)
Enterprise	8/25	-	Dode Ram 2500 Work Truck
Coastal Roll Off	9/02	-	40 Yard Dumpster

Position (trade) of Subcontractors	No. of Workers	Hours	Extent of Work (complete description of days activity)
Archaeological Monitor	2	16	Monitor AWTP site during over excavation activites. Monitor evaporation pond site durng excavation of resevoir inlet and outlet.
Native American Monitor	1	8	Monitor AWTP site during over excavation activites. Monitor evaporation pond site durng excavation of resevoir inlet and outlet.
Biological Monitor	1	8	Monitor AWTP site during over excavation activites. Monitor evaporation pond site durng excavation of resevoir inlet and outlet.
Sansone	8	64	Overexcavation continued at the AWTP site. Completed excavation for all pads west of AWTP looped road (UV Skid Pad, 5000 Gal Product Water Tank Pad, Product Water Pump Skid). Completed 75% of pad excavation East of AWTP looped road. Exposed and removed the pipes in the excavation zone in the evaporation pond and prepared them to fill with concrete. Staking continued in the evaporation pond.
GSI	1	3	GSI onsite today and all compaction tests passed.Rick drew up keyway detail for the evaporation pond. Observed distance of overexcavation at the north wall of the 5000 gal

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Daily Construction Report

			product water tank. Due to the distance of the existing pipe from edge of overexcavation, the lateral disance over over excavation could only extend to 2' beyond in lieu of 3'-5'. From his geotechnical standpoint the lateral overexcavation of 2' from edge of concrete pad is suitable.
North Coast Engineering	1	1	Checked SWPPP.

Equipment on Project	Hours	Idle	Description of Operation of Equipment
PC 200			Over Excavation
Cat D-4GS			Over Excavation
IR 115			Over Excavation
Cat D-6H			Over Excavation
H20 Truck			Over Excavation
Water Buffalo			

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CDM Smith

Business Operations

Daily Construction Report

CDM Constructors Inc. Effective: 04/24/2009 / Revision: 03

Date	9/04/2014

Project Name	Cambria Emergency Water Supply Project
Owner	Cambria Community Services District
Project Number	105539
Project Manager	Randy Redmann
CDM Smith Representative	Paul Pagano, Randy Redmann
CDM Constructors Inc. Superintendent	Paul Pagano
Daily Job Report #	6
Work Day #	6
Day of Week	Thursday
Weather	Partly Cloudy

Signature	Paul Pagano	Temp @ 8:00am	58	Temp @ 2:00pm	81
		High Temp.	82	Low Temp.	56

Visitors (include time)	Name/Company	Time In	Time out
	/		
	/		
	/		
	/		
	/		

Notes	

No. of Workers	Hours	Extent of Work (complete description of days activity)
2	16	Paul Pagano (Site Superintendent) and Randy Redmann (Construction Manager): Supervised site activities. CDM and Matt (Sansone) met regarding the following: Layout for the 8"-FW-PVC that runs from the AWTP site to the RIW injection well, layout for the 4"-ROC-PVC that runs from the AWTP site to the Evaporation Pond. Determined that the 8"-FW-PVC line was ~1600 LF. CDM is checking if the proposed 4"-ROC-PVC layout is OK with the client.

Verbal Directives	Determined that the 8"-FW-PVC line was ~1600 LF.

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CDM Smith

Business Operations

Daily Construction Report

CDM Constructors Inc. Effective: 04/24/2009 / Revision: 03

Changes from Specification	N/A
Back charges and/or Extra Work	N/A

Slip #	Supplier	Material Received

Supplier	Date In	Date Out	CDM Constructors Inc. Equipment Rental (Supplier Name)
Enterprise	8/25	-	Dode Ram 2500 Work Truck
Coastal Roll Off	9/02	-	40 Yard Dumpster

Position (trade) of Subcontractors	No. of Workers	Hours	Extent of Work (complete description of days activity)
Archaeological Monitor	1	8	Monitor AWTP site during over excavation activites.
Native American Monitor	1	8	Monitor AWTP site during over excavation activites.
Biological Monitor	1	6	Monitor AWTP site during over excavation activites.
Sansone	7	64.5	Overexcavation continued at the AWTP site. Met with CDM regarding the following: Layout for the 8"-FW-PVC that runs from the AWTP site to the RIW injection well, layout for the 4"-ROC-PVC that runs from the AWTP site to the Evaporation Pond.

Equipment on Project	Hours	Idle	Description of Operation of Equipment
Cat D-6H			Over Excavation
PC 200			Over Excavation
H20 buffalo			Over Excavation
Cat D-4GS			Over Excavation
IR 115			Over Excavation

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Daily Construction Report

Cat D-6H			Over Excavation
H20 truck			Over Excavation

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Daily Construction Report

CDM Constructors Inc. Effective: 04/24/2009 / Revision: 03

Date	9/05/2014

Project Name	Cambria Emergency Water Supply Project
Owner	Cambria Community Services District
Project Number	105539
Project Manager	Randy Redmann

CDM Smith Representative	Paul Pagano, Randy Redmann				
CDM Constructors Inc. Superintendent	Paul Pagano				
Daily Job Report #	7				
Work Day #	7				
Day of Week	Friday				
Weather	Partly Cloudy				
Signature	Paul Pagano	Temp @ 8:00am	54	Temp @ 2:00pm	87
		High Temp.	89	Low Temp.	54

Visitors (include time)	Name/Company	Time In	Time out
	/		
	/		
	/		
	/		
	/		
Notes			

No. of Workers	Hours	Extent of Work (complete description of days activity)
2	16	Paul Pagano (Site Superintendent) and Randy Redmann (Construction Manager): Supervised site activities.

Verbal Directives	Got the OK from client for proposed layout for 4"-ROC-PVC that runs from the AWTP site to the Evaporation Pond.
Changes from Specification	N/A
Back charges and/or Extra Work	N/A

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CDM Smith

Business Operations

Daily Construction Report

CDM Constructors Inc. Effective: 04/24/2009 / Revision: 03

Slip #	Supplier	Material Received

Supplier	Date In	Date Out	CDM Constructors Inc. Equipment Rental (Supplier Name)
Enterprise	8/25	-	Dode Ram 2500 Work Truck
Coastal Roll Off	9/02	-	40 Yard Dumpster

Position (trade) of Subcontractors	No. of Workers	Hours	Extent of Work (complete description of days activity)
Archaeological Monitor	1	8	Monitor AWTP site during over excavation and excavation activites.
Native American Monitor	1	8	Monitor AWTP site during over excavation and excavation activites.
Sansone	8	72	Overexcavation continued at the AWTP site. Excavation for pads began for the 5000 Gal Product Water Tank and the Product Water Pump Skid.
GSI	1	2	Performed soils testing at Primary RO #1, Primary RO #2, and MF Container excavations. See attached daily field report.

Equipment on Project	Hours	Idle	Description of Operation of Equipment
Cat D-6H			Over Excavation, excavation
Cat 140G			Over Excavation, excavation
PC 200			Over Excavation, excavation
Cat D-4GS			Over Excavation, excavation
JD 310SG			Over Excavation, excavation
IR 115			Over Excavation, excavation
H20 Truck			Over Excavation, excavation

Exhibit 14

Exhibit 14

DAILY FIELD REPORT

GSI Soils, Inc.
SM - ph. 349-0140, fax 349-8861
SLO - ph. 543-5493, fax 543-2748

Project Name: Cambria Emergency Water Supply Project
Unit #: Lot #:
Client:
Requested By:
Project Location: Cambria
Contractor: Sansone Co.
Met With:
Project No.:
Date: 9/5/14
Arrived: AM Departed:
Copies To:

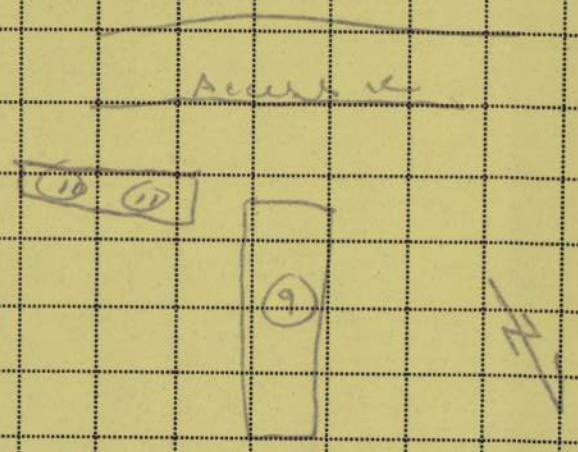
TYPE OF WORK:
- Observe & Test: ☑
- Observation: ☐
- Moisture Penetration: ☐
- Footing Observations: ☐
- Field Meeting: ☐
- Other: ☐

SUBJECT AREAS:
- Building Pad: ☑
- Embankment: ☐
- Parking/Roadway: ☐
- Subgrade/Baserock: ☐
- Trench Backfill: ☐
- Other: ☐

SPECIAL INSPECTION:
- Reinforced Concrete (ch. 19): ☐
- Structural Masonry (ch. 21): ☐
- Structural Steel (ch. 22): ☐
- Welding Inspection: ☐
- Bolt Inspection: ☐
- Other: ☐

Curve # 1 Material Description: Light Brown Clayey SILT w/ sand 112.8 pcf @ 14.1 %
Curve # ___ Material Description: ______ pcf @ ______ %
Curve # ___ Material Description: ______ pcf @ ______ %
Curve # ___ Material Description: ______ pcf @ ______ %
Curve # ___ Material Description: ______ pcf @ ______ %

Test	Location	Fill	DFG	Moisture %	Dry Den pcf	Comp. %	Curve #
9	Primary Rw Container 1 i 2		5'	16.3	107.3	95	1
10	MF Container		4'	16.0	108.1	96	1
11	MF Container		3'	16.5	108.4	96	1



REMARKS:

HOURS ON SITE:

Field Tech:

LEVEL 1: COMPACTION TESTING
The test results reported represent the moisture and density at the locations and depths indicated. No opinion is provided as to the adequacy of the material to perform its intended function, or the stability of the site. ☐

LEVEL 2: REGULAR GRADING
A soils engineering report was not performed or not required by the Building Official. The grading performed would therefore be designated regular grading in accordance with Chapter 33 of the Uniform Building Code (UBC). ☐

LEVEL 3: ENGINEERED GRADING
Based on our observations and testing, to the best of our knowledge, the work performed has been accomplished in general accordance with the soils engineering report and Chapter 33 of the Uniform Building Code (UBC). ☐

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Exhibit 14

CDM Smith

Business Operations

Daily Construction Report

CDM Constructors Inc. Effective: 04/24/2009 / Revision: 03

Date	9/08/2014

Project Name	Cambria Emergency Water Supply Project
Owner	Cambria Community Services District
Project Number	105539
Project Manager	Randy Redmann
CDM Smith Representative	Paul Pagano, Randy Redmann
CDM Constructors Inc. Superintendent	Paul Pagano
Daily Job Report #	8
Work Day #	8
Day of Week	Monday
Weather	Partly Cloudy

Signature	Paul Pagano	Temp @ 8:00am	59	Temp @ 2:00pm	74
		High Temp.	75	Low Temp.	55

	Name/Company	Time In	Time out
Visitors (include time)	/		
	/		
	/		
	/		
	/		
Notes			

No. of Workers	Hours	Extent of Work (complete description of days activity)
2	16	Paul Pagano (Site Superintendent, Randy Redmann (Construction Manager): Held a weekly site safety meeting with entire crew at site. Supervised site activities. Discussed with Matt adjustment of a couple elevations at the AWTP site and also adjustment to the width of the top portion of pond.
2	16	Collin Millett and William Marquis mobilized to site today. Familiarized themselves with the site and created a plan on how to accomplish electrical portion of the job.

Verbal Directives	N/A

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Changes from Specification	Adjusted two elevations North of the AWTP site acess road. Adjusted PG&E Transformer, Switchboard, and 3,000 Gal MF CIP Tank pads TOC elevations.
Back charges and/or Extra Work	N/A

Slip #	Supplier	Material Received

Supplier	Date In	Date Out	CDM Constructors Inc. Equipment Rental (Supplier Name)
Enterprise	8/25	-	Dode Ram 2500 Work Truck
Coastal Roll Off	9/02	-	40 Yard Dumpster

Position (trade) of Subcontractors	No. of Workers	Hours	Extent of Work (complete description of days activity)
Archaeological Monitor	1	8	Monitor AWTP site during over excavation and excavation activites.
Native American Monitor	1	8	Monitor AWTP site during over excavation and excavation activites.
Sansone	9	72	Overexcavation was continued and completed at the AWTP site. Concrete pad excavation and form setup was done for UV Skid Pad, 5000 Gal Product Water Tank, Product Water Pump Skid. Excavation began for AWTP site access road. Demo of last pipe in the evaporation pond was also performed.

Equipment on Project	Hours	Idle	Description of Operation of Equipment
Cat D-6H			Over excavation, concrete pad excavation
PC 200			Over excavation, concrete pad excavation
Water Buffalo			Over excavation, concrete pad excavation
JD 310SG			Over excavation, concrete pad excavation
Cat D-4GS			Over excavation, concrete pad excavation

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IR 115			Over excavation, concrete pad excavation
H20 Truck			Over excavation, concrete pad excavation

Exhibit 14

CDM Safety Toolbox Meeting

Fire Protection and Prevention for Construction

Fire is a real threat at construction sites. Storage and use of flammable and combustible liquids increases the threat substantially. Respect for, and proper use and care of dangerous liquids is critical to a safe jobsite.

Dangerous liquids, such as gasoline, solvents, diesel fuel are used daily on CDM Constructors projects. Employees required to handle and use flammable and combustible liquids must be instructed in the safe handling and use of these materials and made aware of specific requirements.

For the protection of all persons involved with the construction of all CDM Constructors projects, the following rules apply for use of flammable and combustible liquids:

- No smoking around all flammable and combustible liquid storage areas.
- Ensure aboveground tanks shall have adequately sized containment to contain spills.
- Have an appropriate fire extinguisher (Class B) available and in near proximity to the refueling operation
- Always shut off engine before fueling.
- Turn off all sources of ignition.
- Use a funnel or spout to fill tanks to minimize spillage.
- Clean up any spillage or allow it to evaporate before restarting the equipment
- Use only approved portable containers (CSA or ULC approved).
- When filling a portable fuel container, place it on the ground.
- Keep the fuel nozzle in contact with the container to avoid static electricity.
- Avoid breathing vapors while filling.
- Fill the container/tank slowly.
- Do not over-fill a container or tank. Leave 5% extra space to allow for expansion.

Remember: Employees are not fire fighters. If a fire cannot be extinguished with 1 fire extinguisher, evacuate the area and call the local fire department. Property can be replaced, your life cannot!

Exhibit 14

NAME	COMPANY	POSITION	SIGNATURE
MATT DEBERNARDI	SANSONE	FOREMAN	Matt
JEFF DOBBS	〃	op	
Jim Tuzzio	SANSONE	Labor	
TONY DIAZ	SANSONE	op	TD
DANIEL Guerrero	Sansone		
STEVE HERRERA	SANSONE	LABOR	
JOHN PIATTI	SALIMINI	MONTER	John Piatti
Clarence Land	Sansone	Labor	
STEVE HOPSON	Sansone	Labor	Steve Hopson
RubAKhAN	SASONE	Labor and operator	Ruben
PAUL PAGANO	COM	SUPERINTENDENT	Paul Pag
Randy Redmann	CDM	PM	Randy Red
ALISON DEVEREAUX	CRMS	ARCHAEOLOGIST	

Exhibit 14

Exhibit 14

CDM Smith **Business Operations**

Daily Construction Report

CDM Constructors Inc. Effective: 04/24/2009 / Revision: 03

Date	9/12/2014

Project Name	Cambria Emergency Water Supply Project				
Owner	Cambria Community Services District				
Project Number	105539				
Project Manager	Randy Redmann				
CDM Smith Representative	Paul Pagano, Randy Redmann				
CDM Constructors Inc. Superintendent	Paul Pagano				
Daily Job Report #	12				
Work Day #	12				
Day of Week	Friday				
Weather	AM Clouds/PM Sun				
Signature	Paul Pagano	Temp @ 8:00am	56	Temp @ 2:00pm	80
		High Temp.	82	Low Temp.	55

Visitors (include time)	Name/Company	Time In	Time out
	/		
	/		
	/		
	/		
	/		
Notes			

No. of Workers	Hours	Extent of Work (complete description of days activity)
2	16	Paul Pagano (Site Superintendent) and Randy Redmann (Construction Manager): Supervised site activities.
2	32	William Marquis got new hires onsite and had them fill out new hire packets. The two new hires were taken down to the cilinc for drug screening.

Verbal Directives	Concrete pads (UV Skid, 5000 Gal Product Water Tank, Product Water Tank Pump Skid) will be poured on Monday 9/15/2014.
Changes from Specification	N/A

Exhibit 14

CDM Smith

Business Operations

Daily Construction Report

CDM Constructors Inc. Effective: 04/24/2009 / Revision: 03

Back charges and/or Extra Work	N/A	
Slip #	Supplier	Material Received

Supplier	Date In	Date Out	CDM Constructors Inc. Equipment Rental (Supplier Name)
Enterprise	8/25	-	Dode Ram 2500 Work Truck
Coastal Roll Off	9/02	-	40 Yard Dumpster

Position (trade) of Subcontractors	No. of Workers	Hours	Extent of Work (complete description of days activity)
Archaeological Monitor	1	8	Monitor AWTP site during excavation activites.
Native American Monitor	1	8	Monitor AWTP site during excavation activites.
Sansone	9	70	Excavation and form work building continued for the concrete pads at the AWTP site. The void left by shrinkage from overexcavation operation was filled and the borrow pit will not be excavated anymore. Pre saturation continued for the evaporation pond.
Northcoast Engineering	2	4	Staked the last of the concrete pads that are located within AWTP site access road.

Equipment on Project	Hours	Idle	Description of Operation of Equipment
PC 50			Excavation at AWTP Site
JD 210 skip			Excavation at AWTP Site
Cat D-4G			Excavation at AWTP Site
IR115			Excavation at AWTP Site
Water Truck			Excavation at AWTP Site, Saturation at Evaporation Pond Site

Exhibit 14

Business Operations

Daily Construction Report

CDM Constructors Inc. Effective: 04/24/2009 / Revision: 03

Exhibit 14

Exhibit 14

CDM Smith

Business Operations

Daily Construction Report

CDM Constructors Inc. Effective: 04/24/2009 / Revision: 03

Date	9/15/2014

Project Name	Cambria Emergency Water Supply Project
Owner	Cambria Community Services District
Project Number	105539
Project Manager	Randy Redmann
CDM Smith Representative	Paul Pagano, Randy Redmann
CDM Constructors Inc. Superintendent	Paul Pagano
Daily Job Report #	13
Work Day #	13
Day of Week	Monday
Weather	AM Fog/PM Sun

Signature	Paul Pagano	Temp @ 8:00am	59	Temp @ 2:00pm	83
		High Temp.	86	Low Temp.	59

	Name/Company	Time In	Time out
Visitors (include time)	/		
	/		
	/		
	/		
	/		
Notes			

No. of Workers	Hours	Extent of Work (complete description of days activity)
2	16	Paul Pagano (Site Superintendent) and Randy Redmann (Construction Manager): Held site safety meeting. Supervised site activities.
2	32	Present for site safety meeting. William Marquis worked with backhoe operator and began digging for his electrical that is under the switchboard pad. Journeyman and Apprentice set up conduit for the switchboard pad.

Verbal Directives	Paul Pagano OK'd concrete cap of resevoir inlet and outlet at evaporation pond.
Changes from Specification	New grading plan given to Matt (Sansone) for the evaporation pond.

Exhibit 14

CDM Smith

Business Operations

Daily Construction Report

CDM Constructors Inc. Effective: 04/24/2009 / Revision: 03

Back charges and/or Extra Work	William Marquis worked with backhoe operator for 5.5 hours.

Slip #	Supplier	Material Received

Supplier	Date In	Date Out	CDM Constructors Inc. Equipment Rental (Supplier Name)
Enterprise	8/25	-	Dode Ram 2500 Work Truck
Coastal Roll Off	9/02	-	40 Yard Dumpster
	9/15	-	20 Foot Container

Position (trade) of Subcontractors	No. of Workers	Hours	Extent of Work (complete description of days activity)
Archaeological Monitor	1	8	Present for site safety meeting. Monitor AWTP site during excavation activites.
Native American Monitor	1	8	Present for site safety meeting. Monitor AWTP site during excavation activites.
Sansone	11	88	Poured 4 concrete pads (UV Skid, 5000 Gal Product Water Tank, Product Water Tank Pump Skid, One 4x4 for Control Room). Continued setup of formwork for 5000 Gal Influent Water Tank, 10000 Gal Break/BW Tank, 3000 Gal MF CIP Tank, Control Room 4x4 Pads, Primary RO Container #1 4x4 Pads. Backhoe operator was on rent today working with CDM Smith electrician. Grading began in the evaporation pond today. Prepared the keyway for slope on exterior of the exaporation pond. Ripping began at the bottom of the pond preparing for the disc tommorow.
GSI	1	2	Cylinders and Slump Test for concrete.
Johasee Steel	2	16	Set up steel for MF Container, 5000 Gal Influent Water Tank, 10000 Gal Break/BW Tank, 3000 Gal MF CIP Tank, and Control Rooms Pads.

Equipment on Project	Hours	Idle	Description of Operation of Equipment

Exhibit 14

Daily Construction Report

PC 200			Grading at evaporation pond.
D-4GS			Grading at evaporation pond.
Cat D-6H			Grading at evaporation pond.
H20 truck			Grading at evaporation pond.
JD 310			Excavate for Pads and Conduit Trenches.

Exhibit 14

Safety Meeting Topic Sheet

Project Name: San Simeon Creek Emergency Water Supply Project
Project Number: 105539
Owner: Cambria Community Services District
Project Manager: Randall Redmann
Date: 9/015/2014

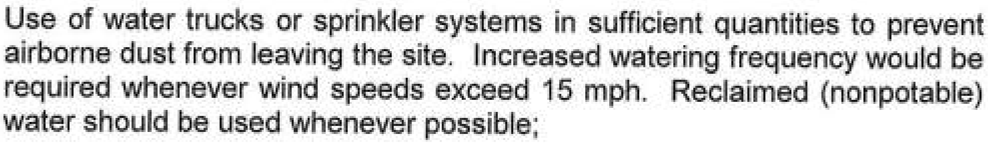
"Concrete Hazards"

Follow these safety rules to avoid personal injury hazards with concrete:

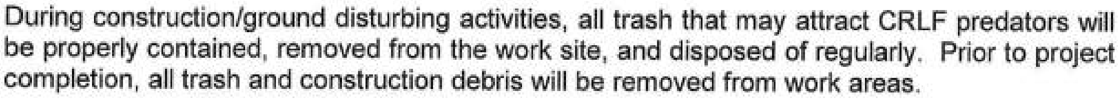
- Whenever wheeling, dumping, shoveling or handling concrete use GOOD LIFTING TECHNIQUES.
- Keep out from under swing arms of concrete trucks and be careful of a moving swing arm.
- All protruding reinforcing steel should be guarded to eliminate the hazard of impalement of puncture wounds.

Other Topics:

1. PPE!!
2. Speeding (15 Mph or Under)
3. Dust Mitigation
4. San Luis Obispo County will be visiting next Wednesday to ensure we are in compliance with the Emergency Permit.



Use of water trucks or sprinkler systems in sufficient quantities to prevent airborne dust from leaving the site. Increased watering frequency would be required whenever wind speeds exceed 15 mph. Reclaimed (nonpotable) water should be used whenever possible;



During construction/ground disturbing activities, all trash that may attract CRLF predators will be properly contained, removed from the work site, and disposed of regularly. Prior to project completion, all trash and construction debris will be removed from work areas.

Have designated fueling area.

SPECIAL INSPECTION DAILY REPORT

Exhibit 14

Sheet 1 of 1

GSI Soils, Inc.
SM - ph. 349-0140, fax 349-8861
SLO - ph. 543-5493, fax 543-2748

Project Name: Cambria emergency water supply project
Project Location: Cambria
Client: Sansone Co.
Contractor: Sansone Co.
Project No.:
Permit No.:
Day/Date: 9/15/14
Copies To:

SPECIAL INSPECTION

- Reinforced Concrete (Ch 19) ☒
- Post Tension Concrete (Ch 1 ☐
- Shotcrete (Ch 19) ☐
- Structural Masonry (Ch 21) ☐
- Epoxy Bolting (Ch 17) ☐

Material ID

- Reinforcement A615 GR60 ☐
- A706 ☐
- A775 ☐
- Other ☐
- Tendons A416 ☐
- Other ☐
- Embedded Bolts A307 ☐
- [ ] " x " Other ☐

Type of Sample

- Concrete ASTM C31 ☒
- Mortar ASTM C780 ☐
- Shotcete ASTM C1604 ☐
- Grout ASTM C1019 ☐
- Coring ASTM C42 ☐
- CMU ASTM C1314 ☐

Weather ° F AM PM
Sunny ☒ Cloudy ☐ Rain ☐

Load #	Sample#	Yds /Load	Location	Total H2O Added: Gals.	% Air ASTM C231 ☐ ASTM C173 ☐	Unit Wt. ASTM C138 pcf	Slump ASTM C143 in	Temperature ASTM C1064 Air	Temperature ASTM C1064 Concrete
2	1	9.5	Slab;FDN	10	-	—	4 1/2"	63	67
(UV skid; 5000gal product water Tank; product water pump skid.)									

Total Placement: (yds³) 32.5 Mix # 536CN1033 Design Strength: (psi) 3500

Observations

Location:

Details:

Accept ☐ Reject ☐
With exceptions listed below:

Placement Method: Truck & Chute ☒ Boom Pump & Tremie ☐ Hand Held Hose ☐ Line Pump ☐
Vibration: Internal ☐ External ☒ Screed ☐ Finish: Hand ☒ Formed ☐ Power Trowel ☐
Cast [ ] Sets of Specimens per ASTM ☒ CBC ☐ Method:]

Notes: observed placement ; Consolidation of reinforced Concrete within the footing ; Slab for the UV skid; 5000gal product water Tank and product water pump skid.
Placement was per project plans, specifications and applicable codes.

Architect:

Engineer:

Date of Plans:

Hours on Site:

Corrections:

To the best of my knowledge, work inspected was inaccordance with approved design drawings, specifications and applicable workmanship provisions of the C.B.C., exce noted. Where applicable, structural steel and welding was in accordance with AWS______.

Signed
Print full Name Richard Arvero
Dated: 9/15/14
I.D. Number: 500773
Exp. Date 5/16

Exhibit 14

AND CONST TION 969603 **Sales/Delivery Ticket** CALPORTL

CALPORTLAND

PASO ROBLES BATCH PLANT
444 Volpi Ysabel Road, Paso Robles, CA 93446
(805) 345-3579

Leave Plant	
Arrive Job	7:30
Start Pour	7:35
Finish Pour	8:00
Finish Wash	8:15
Leave Job	

Warning: Irritation to Skin and Eyes

This product contains Portland Cement. Freshly mixed cement, mortar, grout, or concrete may cause skin irritation and/or allergic reaction. Do not use without protective gear and clothing. Avoid any direct contact with skin. Wash exposed areas immediately with water. If cementitous materials gets into the eye, rinse immediately and repeatedly with water and get prompt medical attention.

Keep Away From Children

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Weighmaster:

Water added at customer's request	
4	Slump on arrival
	Gals to full load
	Gals to 2/3 load
	Gals to 1/3 load

Rev Counter on Load: 115

Test Cylinders Taken: NO

This concrete is designed in accordance to American Concrete Institute Standards. Any water added to this design will be at purchasers risk. Materials hereby sold become property of purchaser at time of orgin. Calportland is not responsible for damages to property in the event that delivery is beyond curbline.

Reasons for Delay Time	
Job not ready	
Lack of Help	
Wheel Barrow Job	
Pump Late/Problems	
Other	

Arrive Plant	
Time Allowed	
Time Used	
Excess Time	

Date/Time:	Superplasticer Amt Added:	Cust. Proj#:	Ordered By:	Phone #:	Map Page:
9/15/2014 6:23 AM			MATT 805-235-3247		

Customer:	Order Type:	P.O. Number	Driver Name:	Truck #:	Order #:
1018815 SANSONE COMPANY INC	Charge		RON P ZAMORA	1166	22

Scheduled Arrival:	Slump:	Load#:	Prev. Truck #:	Qty This Load:	Qty Delivered:	Qty Ordered:	Plant:	Alley:	Truck License #:
7:37:00 AM	4.00	1		9.50	9.50	28.50	382R		5Z83464

Delivery Address:
SAN SIMEON CREEK RD
Cross Street:
CAMBRIA, CA

Ticket Notes:
MEET @ VAN GORDEN CREEK RD WAS
WATER TREATMENT PLANT 7:30 -
45 - 8:10 ON THE JOB

Quantity	UOM	Product Code	Product Description	Unit Price	Amount	Changed
9.50	yd	536CN1033	3500 PSI 1" CRUSHED			
50.92	FO	RECOVER	RECOVER			
1.00	LD	94000305	ENVIRONMENTAL SU			

Sales Tax:	Ticket Total:	Balance Forward:	Standing Time:	Order Total:

```
Truck     Driver    User     Disp Ticket Num  Ticket ID  Time  Date
1166      63        BRAD     969603           655024     6:23  9/15/14
Load Size  Mix Code     Returned     Qty      Mix Age    Seq     Load ID
9.50  CY   536CN1033                                     D       49051
Material   Design Qty   Required    Batched      % Moisture  Actual Wat
CEMENT       439 lb     4171  lb    4170 lb
FLYASH        97 lb      922  lb     920 lb
WATER#1      283 lb     2609  lb    2604 lb                  312  gl
1"CR        1700 lb    16150  lb   16120 lb
WRDA64        21 oz      203  oz     204 oz
AIR            3 oz       26  oz      26 oz
RECOVER        5 oz       51  oz      52 oz
Actual         Num Batches:  1       Auto    6:25:21      Manual   6:24:30
Load Total:  23831  lb    Design 0.528  Water/Cement 0.528  T      Design 322.2 gl     Actual 312.0  gl   To Add:  10.2  gl
Slump:   4.00  in     Water in Truck:  0.0 gl   Adjust  Water: 0.0 gl  / Load   Trim Water: -1.0 gl/  CY
```

0655024

I hereby acknowledge that I have read and agree to the terms of the invoice, subject to the conditions on both sides of ticket:____________________

DL-04CA (Rev. 7/13) CUSTOMER

Exhibit 14

969687

AND CONSTRUCTION

CALPORTL

CALPORTLAND®

Sales/Delivery Ticket

PASO ROBLES BATCH PLANT
444 Volpi Ysabel Road, Paso Robles, CA 93446
(805) 345-3579

Leave Plant	
Arrive Job	935
Start Pour	940
Finish Pour	1005
Finish Wash	1015
Leave Job	1015
Arrive Plant	
Time Allowed	
Time Used	
Excess Time	

Warning: Irritation to Skin and Eyes

This product contains Portland Cement. Freshly mixed cement, mortar, grout, or concrete may cause skin irritation and/or allergic reaction. Do not use without protective gear and clothing. Avoid any direct contact with skin. Wash exposed areas immediately with water. If cementitous materials gets into the eye, rinse immediately and repeatedly with water and get prompt medical attention.

Keep Away From Children

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Weighmaster:

Water added at customer's request

43	Slump on arrival
0	Gals to full load
0	Gals to 2/3 load
0	Gals to 1/3 load

Rev Counter on Load: 135

Test Cylinders Taken: 0

This concrete is designed in accordance to American Concrete Institute Standards. Any water added to this design will be at purchasers risk. Materials hereby sold become property of purchaser at time of orgin. Calportland is not responsible for damages to property in the event that delivery is beyond curbline.

Reasons for Delay Time
- Job not ready
- Lack of Help
- Wheel Barrow Job
- Pump Late/Problems
- Other

Date/Time: 9/15/2014 8:39 AM

Superplasticer Amt Added:

Cust. Proj#:

Ordered By: MATT

Phone #: 805-235-3247

Map Page:

Customer: 1018815
SANSONE COMPANY INC

Order Type: Charge

P.O. Number

Driver Name: KENT B ERICSON

Truck #: 1175

Order #: 22

Scheduled Arrival:	Slump:	Load#:	Prev. Truck #:	Qty This Load:	Qty Delivered:	Qty Ordered:	Plant:	Alley:	Truck License #:
9:50:00 AM	4.00	4		4.00	32.50	32.50	382R		7E01357

Delivery Address:
SAN SIMEON CREEK RD
Cross Street:
CAMBRIA, CA

Ticket Notes:
MEET @ VAN GORDEN CREEK RD WAS
WATER TREATMENT PLANT 7:30 -
45 - 8:10 ! ON THE JOB !!

Quantity	UOM	Product Code	Product Description	Unit Price	Amount	Changed
4.00	yd	536CN1033	3500 PSI 1" CRUSHED			
21.44	FO	RECOVER	RECOVER			
1.00	LD	94000305	ENVIRONMENTAL SU			

Sales Tax:	Ticket Total:	Balance Forward:	Standing Time:	Order Total:

```
Truck     Driver    User        Disp Ticket Num  Ticket ID  Time   Date
1175      34        BRAD        969687           655034     8:39   9/15/14
Load Size  Mix Code     Returned       Qty       Mix Age    Seq     Load ID
4.00  CY   536CN1033                                        D       49061
Material    Design Qty     Required      Batched      % Moisture   Actual Wat
CEMENT         439 lb      1756  lb      1750 lb
FLYASH          97 lb       388  lb       380 lb
WATER#1        283 lb      1065  lb      1060 lb                   127 gl
1"CR          1700 lb      6800  lb      6760 lb
WRDA64          21 oz        86  oz        86 oz
AIR              3 oz        11  oz        10 oz
RECOVER          5 oz        22  oz        20 oz
Actual       Num Batches:   1          Auto   8:40:51        Manual   8:40:25
Load Total:   9957  lb     Design 0.528  Water/Cement 0.532  T     Design 135.7 gl      Actual 127.0  gl   To Add:   8.7  gl
Slump:   4.00  in      Water in Truck:  0.0 gl   Adjust  Water: 0.0 gl  / Load   Trim Water: -2.0 gl/  CY
```

0655034

I hereby acknowledge that I have read and agree to the terms of the invoice, subject to the conditions on both sides of ticket: KD

DL-04CA (Rev. 7/13)

CUSTOMER

Exhibit 14

AND CONSTRUCTION

969613

CALPORTLAND®

Sales/Delivery Ticket

PASO ROBLES BATCH PLANT
444 Volpi Ysabel Road, Paso Robles, CA 93446
(805) 345-3579

CALPORTL

Leave Plant	
Arrive Job	741
Start Pour	804
Finish Pour	822
Finish Wash	
Leave Job	
Arrive Plant	
Time Allowed	
Time Used	
Excess Time	

Warning: Irritation to Skin and Eyes

This product contains Portland Cement. Freshly mixed cement, mortar, grout, or concrete may cause skin irritation and/or allergic reaction. Do not use without protective gear and clothing. Avoid any direct contact with skin. Wash exposed areas immediately with water. If cementitous materials gets into the eye, rinse immediately and repeatedly with water and get prompt medical attention.

Keep Away From Children

WEIGHMASTER CERTIFICATE

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Weighmaster: BRAD M. MORRIS

Water added at customer's request

	Slump on arrival
1	Gals to full load
	Gals to 2/3 load
	Gals to 1/3 load

Rev Counter on Load:

Test Cylinders Taken:

This concrete is designed in accordance to American Concrete Institute Standards. Any water added to this design will be at purchasers risk. Materials hereby sold become property of purchaser at time of orgin. Calportland is not responsible for damages to property in the event that delivery is beyond curbline.

Reasons for Delay Time
- Job not ready
- Lack of Help
- Wheel Barrow Job
- Pump Late/Problems
- Other

Date/Time: 9/15/2014 6:41 AM

Superplasticer Amt Added:

Cust. Proj#:

Ordered By: MATT

Phone #: 805-235-3247

Map Page:

Customer: 1018815
SANSONE COMPANY INC

Order Type: Charge

P.O. Number

Driver Name: MIKEC GRAVES

Truck #: 1172

Order #: 22

Scheduled Arrival: 7:55:00 AM

Slump: 4.00

Load#: 2

Prev. Truck #:

Qty This Load: 9.50

Qty Delivered: 19.00

Qty Ordered: 28.50

Plant: 382R

Alley:

Truck License #: 6131268

Delivery Address:
SAN SIMEON CREEK RD
Cross Street:
CAMBRIA, CA

Ticket Notes:
MEET @ VAN GORDEN CREEK RD WAS
WATER TREATMENT PLANT 7:30 -
45 - 8:10 , ON THE JOB

Quantity	UOM	Product Code	Product Description	Unit Price	Amount	Changed
9.50	yd	536CN1033	3500 PSI 1" CRUSHED			
50.92	FO	RECOVER	RECOVER			
1.00	LD	94000305	ENVIRONMENTAL SU			

Sales Tax:

Ticket Total:

Balance Forward:

Standing Time:

Order Total:

```
Truck     Driver      User        Diwsp Ticket Num   Ticket ID   Time    Date
1172      36          BRAD        969613             655025      6:41    9/15/14
Load Size  Mix Code      Returned      Qty       Mix Age      Seq     Load ID
9.50  CY   536CN1033                                          D       49052
Material     Design Qty     Required       Batched       % Moisture   Actual Wat
CEMENT         439 lb        4171  lb      4170 lb
FLYASH          97 lb         922  lb       920 lb
WATER#1        283 lb        2530  lb      2529 lb                     303  gl
1"CR          1700 lb       16150  lb     16080 lb
WRDA64          21 oz         203  oz       202 oz
AIR              3 oz          26  oz        26 oz
RECOVER          5 oz          51  oz        48 oz
Actual         Num Batches:  1              Auto   6:43:50        Manual   6:42:57
Load Total:  23716  lb      Design 0.528  Water/Cement 0.528  T       Design 322.2 gl           Actual 303.0  gl    To Add:  19.2  gl
Slump:   4.00  in        Water in Truck:  0.0 gl   Adjust Water: 0.0 gl  / Load   Trim Water:  2.0 gl/  CY    Note: Manual feed oc
```

0655025

I hereby acknowledge that I have read and agree to the terms of the invoice, subject to the conditions on both sides of ticket:

(Rev. 7/13)

CUSTOMER

Exhibit 14

969628 **Sales/Delivery Ticket** CALPORTL

AND CONSTRUCTION

CALPORTLAND®

PASO ROBLES BATCH PLANT
444 Volpi Ysabel Road, Paso Robles, CA 93446
(805) 345-3579

Leave Plant	7:29
Arrive Job	8:12
Start Pour	8:27
Finish Pour	8:44
Finish Wash	
Leave Job	
Arrive Plant	
Time Allowed	
Time Used	
Excess Time	

Warning: Irritation to Skin and Eyes

This product contains Portland Cement. Freshly mixed cement, mortar, grout, or concrete may cause skin irritation and/or allergic reaction. Do not use without protective gear and clothing. Avoid any direct contact with skin. Wash exposed areas immediately with water. If cementitous materials gets into the eye, rinse immediately and repeatedly with water and get prompt medical attention.

Keep Away From Children

WEIGHMASTER CERTIFICATE

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Weighmaster:

Water added at customer's request	
3"?	Slump on arrival
10	Gals to full load
	Gals to 2/3 load
	Gals to 1/3 load

Rev Counter on Load: 110

Test Cylinders Taken:

This concrete is designed in accordance to American Concrete Institute Standards. Any water added to this design will be at purchasers risk. Materials hereby sold become property of purchaser at time of orgin. Calportland is not responsible for damages to property in the event that delivery is beyond curbline.

Reasons for Delay Time
- Job not ready
- Lack of Help
- Wheel Barrow Job
- Pump Late/Problems
- Other

Date/Time:	Superplasticer Amt Added:	Cust. Proj#:	Ordered By:	Phone #:	Map Page:
9/15/2014 7:13 AM			MATT	805-235-3247	

Customer:	Order Type:	P.O. Number	Driver Name:	Truck #:	Order #:
1018815 SANSONE COMPANY INC	Charge		MICKEY SMITH	2172	22

Scheduled Arrival:	Slump:	Load#:	Prev. Truck #:	Qty This Load:	Qty Delivered:	Qty Ordered:	Plant:	Alley:	Truck License #:
8:26:00 AM	4.00	3		9.50	28.50	28.50	382R		

Delivery Address:
SAN SIMEON CREEK RD
Cross Street:
CAMBRIA, CA

Ticket Notes:
MEET @ VAN GORDEN CREEK RD WAS
WATER TREATMENT PLANT 7:30 -
45 - 8:10 ON THE JOB

Quantity	UOM	Product Code	Product Description	Unit Price	Amount	Changed
9.50	yd	536CN1033	3500 PSI 1" CRUSHED			
50.92	FO	RECOVER	RECOVER			
1.00	LD	94000305	ENVIRONMENTAL SU			

Sales Tax:	Ticket Total:	Balance Forward:	Standing Time:	Order Total:

```
Truck     Driver    User      Disp Ticket Num  Ticket ID  Time  Date
2172      357       BRAD      969628           655028     7:13  9/15/14
Load Size  Mix Code   Returned     Qty       Mix Age    Seq     Load ID
9.50  CY   536CN1033                                    D       49055
Material    Design Qty    Required     Batched     % Moisture  Actual Wat
CEMENT        439 lb      4171  lb     4150 lb
FLYASH         97 lb       922  lb      920 lb
WATER#1       283 lb      2530  lb     2529 lb                 303  gl
1"CR         1700 lb     16150  lb    16080 lb
WRDA64         21 oz       203  oz      202 oz
AIR             3 oz        26  oz       24 oz
RECOVER         5 oz        51  oz       52 oz
Actual        Num Batches:  1       Auto   7:15:28       Manual   7:14:37
Load Total:  23696  lb    Design 0.528  Water/Cement 0.530  T     Design 322.2 gl      Actual 303.0  gl   To Add:  19.2  gl
Slump:   4.00  in     Water in Truck:  0.0 gl   Adjust  Water: 0.0 gl  / Load   Trim Water: -2.0 gl/  CY
```

0655028

I hereby acknowledge that I have read and agree to the terms of the invoice, subject to the conditions on both sides of ticket:

DL-04CA (Rev. 7/13)

CUSTOMER

Exhibit 14

Exhibit 14

Daily Construction Report

Date	9/18/2014

Project Name	Cambria Emergency Water Supply Project
Owner	Cambria Community Services District
Project Number	105539
Project Manager	Randy Redmann

CDM Smith Representative	Paul Pagano, Randy Redmann				
CDM Constructors Inc. Superintendent	Paul Pagano				
Daily Job Report #	16				
Work Day #	16				
Day of Week	Thursday				
Weather	AM Clouds/PM Sun				
Signature	Paul Pagano	Temp @ 8:00am	65	Temp @ 2:00pm	78
		High Temp.	79	Low Temp.	61

Visitors (include time)	Name/Company	Time In	Time out
	/		
	/		
	/		
	/		
	/		
Notes			

No. of Workers	Hours	Extent of Work (complete description of days activity)
2	16	Paul Pagano (Site Superintendent) and Randy Redmann (Construction Manager): Supervised site activities. Met with Dave Sansone to dicuss the 4"-ROC-PVC that runs from AWTP to evaporation pond.
3	32	William Marquis, journeyman, and apprentice set up conduit for the switchboard and transformer pads. Set formwork for concrete encasement of conduit.

Verbal Directives	Inspected rebar for the MF Container, MF Feed and RO Supply Pumps, Control Building pads and concluded that it was in accordance with the specifications and drawings. Had Sansone remove some rocks that were within

Exhibit 14

	the pour boundaries.		
Changes from Specification	N/A		
Back charges and/or Extra Work	N/A		

Slip #	Supplier	Material Received

Supplier	Date In	Date Out	CDM Constructors Inc. Equipment Rental (Supplier Name)
Enterprise	8/25	-	Dode Ram 2500 Work Truck
Coastal Roll Off	9/02	-	40 Yard Dumpster
Mobile Mini	9/15	-	20 Foot Container

Position (trade) of Subcontractors	No. of Workers	Hours	Extent of Work (complete description of days activity)
Archaeological Monitor	2	16	Monitor AWTP and evaporation pond site during excavation activites.
Native American Monitor	1	8	Monitor AWTP and evaporation pond site during excavation activites.
Sansone	11	88	Excavation contined on the Third Stage RO Container Pad and began at the Primary RO #2 Container Pad at the AWTP site. Grading continued in the evaporation pond today. Continued grubbing and keyway for slope on exterior of the evaporation pond. Backfill and compaction was performed at the area of demolition of the inlet and outlet resevoir.
Geo-Logic	1	8	CQA completed for keway at Evaporation Pond. In-field nuclear density tests performed and passing results were achieved.

Equipment on Project	Hours	Idle	Description of Operation of Equipment

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Cat 140 G			Grading at evaporation pond.
PC 200			Grading at evaporation pond.
H20 truck			Grading at evaporation pond.
Cat D-4GS			Excavate for Pads.

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Exhibit 14

Exhibit 14

CDM Smith **Business Operations**

Daily Construction Report

CDM Constructors Inc. Effective: 04/24/2009 / Revision: 03

Date	9/23/2014

Project Name	Cambria Emergency Water Supply Project
Owner	Cambria Community Services District
Project Number	105539
Project Manager	Randy Redmann

CDM Smith Representative	Paul Pagano, Randy Redmann				
CDM Constructors Inc. Superintendent	Paul Pagano				
Daily Job Report #	19				
Work Day #	19				
Day of Week	Tuesday				
Weather	AM Fog/PM Sun				
Signature	Paul Pagano	Temp @ 8:00am	58	Temp @ 2:00pm	75
		High Temp.	78	Low Temp.	56

	Name/Company	Time In	Time out
Visitors (include time)	Ben/CCSD	10:00 AM	10:30 PM
	/		
	/		
	/		
	/		
Notes			

No. of Workers	Hours	Extent of Work (complete description of days activity)
2	16	Paul Pagano (Site Superintendent) and Randy Redmann (Construction Manager): Supervised site activities. Paul met with Ben from CCSD regarding the 3 PVC utility pipes that were struck during excavation activites. Ben has advised that he marked one of the utilitiy lines prior to excavation. The other 2 PVC utility lines that were struck he had no idea they even existed. Ben advised he has marked all the utility lines based on the best of his knowledge. Ben advised CDM to fix all three lines.
3	32	William Marquis, journeyman, and apprentice ran the 4" primary line that runs from the transformer to the easterly fenceline at the AWTP site. William drove forklift unloading equipment UV Skid, HPO Tank, and HPO Pump.

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Business Operations

Daily Construction Report

CDM Constructors Inc. Effective: 04/24/2009 / Revision: 03

Verbal Directives	N/A	
Changes from Specification	N/A	
Back charges and/or Extra Work	N/A	

Slip #	Supplier	Material Received
	Trojan UV	HPO Tank, HPO Pump, UV Skid
	Hanson	1.5 Yard 3/4" Gravel

Supplier	Date In	Date Out	CDM Constructors Inc. Equipment Rental (Supplier Name)
Enterprise	8/25	-	Dodge Ram 2500 Work Truck
Coastal Roll Off	9/02	-	40 Yard Dumpster
Mobile Mini	9/15	-	20 Foot Container

Position (trade) of Subcontractors	No. of Workers	Hours	Extent of Work (complete description of days activity)
Archaeological Monitor	1	8	Monitor AWTP and evaporation pond site during excavation activites.
Native American Monitor	1	8	Monitor AWTP and evaporation pond site during excavation activites.
Sansone	11	88	Concrete setup continued for the Third Stage RO, Primary RO #2 Container, and Chemical Container pads that will be poured tommrow. Yard piping excavation began at the area between the 5000 Gal Influent Water Tank and the MF Container. Evaporation pond earth work continued. Crew cut bottom of pond grade, ran the scraper in the pond, transferred the dirt to the ousite of pond, and then compacted. Finished graded yesterdays earthwork at the location of the mechanical evaporators. Roughing in of the slopes at the intereoir of the evaporation pond was perfomed. Began finish grading slope adjacent to San Simeon Creek Road. Dust control was done via water truck

Exhibit 14

			at the evaporation pond site.
Geo-Logic	1	8	CQA completed in-field nuclear density tests at evaporation pond and passing results were achieved.

Equipment on Project	Hours	Idle	Description of Operation of Equipment
Cat 213 scraper			Grading at evaporation pond.
Cat D-6H			Grading at evaporation pond.
Cat D-4G S			Grading at evaporation pond.
H20 truck			Grading at evaporation pond.
IR 115			Yard piping at AWTP.

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Exhibit 14

CDM Smith

Business Operations

Daily Construction Report

CDM Constructors Inc.

Effective: 04/24/2009 / Revision: 03

Date	9/24/2014

Project Name	Cambria Emergency Water Supply Project
Owner	Cambria Community Services District
Project Number	105539
Project Manager	Randy Redmann

CDM Smith Representative	Paul Pagano, Randy Redmann				
CDM Constructors Inc. Superintendent	Paul Pagano				
Daily Job Report #	20				
Work Day #	20				
Day of Week	Wednesday				
Weather	Partly Cloudy				
Signature	Paul Pagano	Temp @ 8:00am	61	Temp @ 2:00pm	77
		High Temp.	79	Low Temp.	60

Visitors (include time)	Name/Company	Time In	Time out
	/		
	/		
	/		
	/		
	/		
Notes			

No. of Workers	Hours	Extent of Work (complete description of days activity)
2	16	Paul Pagano (Site Superintendent) and Randy Redmann (Construction Manager): Supervised site activities.
3	32	William Marquis, journeyman, and apprentice ran the 4" primary line conduit that runs from the transformer to the easterly fenceline at the AWTP site. Placed an electrical vault in the trench on top of 3/4" gravel.

Verbal Directives	Meeting at 9 AM tommrow to talk about schedule with Matt (Sansone), Jim (Sansone), Bill (CDM), Randy (CDM), Paul (CDM).
Changes from Specification	N/A

Exhibit 14

Back charges and/or Extra Work	Bill rented the backhoe operator for 1 hour.

Slip #	Supplier	Material Received
	Mid State Concrete	Concrete Electrical Vault

Supplier	Date In	Date Out	CDM Constructors Inc. Equipment Rental (Supplier Name)
Enterprise	8/25	-	Dodge Ram 2500 Work Truck
Coastal Roll Off	9/02	-	40 Yard Dumpster
Mobile Mini	9/15	-	20 Foot Container

Position (trade) of Subcontractors	No. of Workers	Hours	Extent of Work (complete description of days activity)
Sansone	11	88	Crew poured concrete pads for the Third Stage RO Container, Primary RO #2 Container, and Chemical Container pads. The CDM rented operator dug out and placed 3/4" gravel for the electrical vault and finished trenching the last 15' of the 4" primary line that attaches to PG&E powerlines. Yard piping excavation continued at the areas between the 5000 Gal Influent Water Tank, 10000 Gal Break/BW Tank, 3000 Gal MF CIP Tank, and the MF Container. Evaporation pond earth work continued. Crew cut bottom of pond grade, ran the scraper in the pond, transferred the dirt to the top of the berm at the north, east, and west ends of the pond, and then compacted. Continued until the elevations were at 48. Finished graded the rest of mondays earthwork at the outside slope near the mechanical evaporators (West End). Continued roughing in of the slopes at the intereior of the evaporation pond. Dust control was done via water truck at the evaporation pond site.
Geo-Logic	1	8	CQA completed in-field nuclear density tests at evaporation pond and passing results were achieved.
GSI Soils	1	1	Cast four concrete cylinders for compressive strength test

Exhibit 14

			for concrete work done today.
Equipment on Project	Hours	Idle	Description of Operation of Equipment
Cat 213 scraper			Grading at evaporation pond.
Cat D-6H			Grading at evaporation pond.
Cat D-4G S			Grading at evaporation pond.
H20 truck			Grading at evaporation pond.
IR 115			Yard piping and electrical work at AWTP.
PC 200			Grading at evaporation pond.

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Business Operations

Daily Construction Report

CDM Constructors Inc. Effective: 04/24/2009 / Revision: 03

Date	9/25/2014

Project Name	Cambria Emergency Water Supply Project				
Owner	Cambria Community Services District				
Project Number	105539				
Project Manager	Randy Redmann				
CDM Smith Representative	Paul Pagano, Randy Redmann				
CDM Constructors Inc. Superintendent	Paul Pagano				
Daily Job Report #	21				
Work Day #	21				
Day of Week	Thursday				
Weather	Partly Cloudy/Wind				
Signature	Paul Pagano	Temp @ 8:00am	63	Temp @ 2:00pm	77
		High Temp.	78	Low Temp.	61

Visitors (include time)	Name/Company	Time In	Time out
	/		
	/		
	/		
	/		
	/		
Notes			

No. of Workers	Hours	Extent of Work (complete description of days activity)
2	16	Paul Pagano (Site Superintendent) and Randy Redmann (Construction Manager): Supervised site activities. Held Meeting at 9 AM to talk about schedule with Gordon (GEO-Logic), Matt (Sansone), Jim (Sansone), Bill (CDM), Randy (CDM), Paul (CDM).
3	32	William Marquis figured out the conduit runs that connect to equipment. Journeyman and apprentice layed out conduit runs at the AWTP site.

Verbal Directives	N/A
Changes from Specification	N/A

Exhibit 14

Daily Construction Report

Back charges and/or Extra Work	20 hours extra work for backfill and compaction of 4" primary electrical line trench.

Slip #	Supplier	Material Received

Supplier	Date In	Date Out	CDM Constructors Inc. Equipment Rental (Supplier Name)
Enterprise	8/25	-	Dodge Ram 2500 Work Truck
Coastal Roll Off	9/02	-	40 Yard Dumpster
Mobile Mini	9/15	-	20 Foot Container

Position (trade) of Subcontractors	No. of Workers	Hours	Extent of Work (complete description of days activity)
Sansone	11	88	Crew continued concrete pad setup for Chemical Tank Pad and Switchgear pad at AWTP Site. Yard piping trenching continued at AWTP Site. Extra work was done for CDM to backfill and compact the 4" primary electrical line trench. Evaporation pond earth work continued. Worked at the evaporation pond topping at the Easterly levy and rough grading the bottom of the pond. Dust control was done via water truck at the evaporation pond site.
Geo-Logic	1	8	CQA completed in-field nuclear density tests at evaporation pond and passing results were achieved.

Equipment on Project	Hours	Idle	Description of Operation of Equipment
Cat 213 scraper			Grading at evaporation pond.
Cat 140G			Grading at evaporation pond.
JD 310/410			Yard Piping at AWTP site.
Cat 936			Yard Piping at AWTP site.

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Daily Construction Report

JD 210			Yard Piping at AWTP site.
H2O Truck			Grading at evaporation pond.

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CDM Smith

Business Operations

Daily Construction Report

CDM Constructors Inc. Effective: 04/24/2009 / Revision: 03

Date	9/26/2014

Project Name	Cambria Emergency Water Supply Project
Owner	Cambria Community Services District
Project Number	105539
Project Manager	Randy Redmann
CDM Smith Representative	Paul Pagano, Randy Redmann
CDM Constructors Inc. Superintendent	Paul Pagano
Daily Job Report #	22
Work Day #	22
Day of Week	Friday
Weather	Partly Cloudy/Wind

Signature	Paul Pagano	Temp @ 8:00am	59	Temp @ 2:00pm	76
		High Temp.	77	Low Temp.	58

	Name/Company	Time In	Time out
Visitors (include time)	Ryan Lodge/Water Quality Control Board	12:00 PM	1:00 PM
	/		
	/		
	/		
	/		
Notes			

No. of Workers	Hours	Extent of Work (complete description of days activity)
2	16	Paul Pagano (Site Superintendent) and Randy Redmann (Construction Manager): Supervised site activities. Randy met with Ryan Lodge with the Water Quality Control board to disucuss and introduce him to the site.
3	32	William Marquis spoke with PG&E about setup of power poles at both the evaporation pond and AWTP site. Went over the evaporation pond set up. Ordered the switchboard pad for the AWTP site. Journeyman and apprentice layed out conduit runs at the AWTP site and rented a backhoe and operator and dug conduit runs.

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CDM Smith

Business Operations

Daily Construction Report

CDM Constructors Inc. Effective: 04/24/2009 / Revision: 03

Verbal Directives	N/A
Changes from Specification	N/A
Back charges and/or Extra Work	Electrical rented the backhoe operator from Tim Windsor for 8 hours. 10 hours of extra time from Sansone for backfill of 4" primary line for electrician trench.

Slip #	Supplier	Material Received

Supplier	Date In	Date Out	CDM Constructors Inc. Equipment Rental (Supplier Name)
Enterprise	8/25	-	Dodge Ram 2500 Work Truck
Coastal Roll Off	9/02	-	40 Yard Dumpster
Mobile Mini	9/15	-	20 Foot Container

Position (trade) of Subcontractors	No. of Workers	Hours	Extent of Work (complete description of days activity)
Sansone	11	86	Crew continued concrete pad setup for Chemical Tank Pad and Switchgear pad at AWTP Site. Yard piping trenching continued at AWTP Site. Extra work was done for CDM to backfill and compact the 4" primary electrical line trench. Evaporation pond earth work continued. Cut the keyway on the South end of the pond and began the sliver fill. Soils engineer onsite and observed both the keyway and performed compaction testing in the same area. Bulked material up at the low end of the pond to both top out that portion of the levy and provide the material to complete the sliver fill. Dust control was done via water truck at the evaporation pond site.
Geo-Logic	1	8	CQA completed in-field nuclear density tests at evaporation pond and passing results were achieved.
Windsor	1	8	Backhoe operator trenching for the electricians.

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CDM Smith

Business Operations

Daily Construction Report

CDM Constructors Inc. Effective: 04/24/2009 / Revision: 03

Equipment on Project	Hours	Idle	Description of Operation of Equipment
Cat 213 scraper			Grading at evaporation pond.
Cat D-6H			Grading at evaporation pond.
Cat D-4G S			Grading at evaporation pond.
H20 truck			Grading at evaporation pond.
IR 115			Electrical work at AWTP.
JD Backhoe			Yard piping at AWTP.
Windsor Backhoe			Electrical work at AWTP.

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CDM Smith

Business Operations

Daily Construction Report

CDM Constructors Inc. Effective: 04/24/2009 / Revision: 03

Date	10/01/2014

Project Name	Cambria Emergency Water Supply Project
Owner	Cambria Community Services District
Project Number	105539
Project Manager	Randy Redmann
CDM Smith Representative	Paul Pagano, Randy Redmann
CDM Constructors Inc. Superintendent	Paul Pagano
Daily Job Report #	25
Work Day #	25
Day of Week	Wednesday
Weather	Sunny

Signature	Paul Pagano	Temp @ 8:00am	67	Temp @ 2:00pm	91
		High Temp.	91	Low Temp.	54

Visitors (include time)	Name/Company	Time In	Time out
	/		
	/		
	/		
	/		
	/		
Notes			

No. of Workers	Hours	Extent of Work (complete description of days activity)
2	16	Paul Pagano (Site Superintendent) and Randy Redmann (Construction Manager): Supervised site activities.
3	32	William Marquis, journeyman, and apprentice trenched and installed conduit at AWTP site. Painted out conduit digs at the Evaporation Pond site.

Verbal Directives	Told Sansone to pick up all trash at the end of every day.
Changes from Specification	N/A
Back charges and/or Extra Work	Electrical rented the backhoe operator from Tim Windsor for 8 hours.

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Business Operations

Daily Construction Report

CDM Constructors Inc. Effective: 04/24/2009 / Revision: 03

Slip #	Supplier	Material Received

Supplier	Date In	Date Out	CDM Constructors Inc. Equipment Rental (Supplier Name)
Enterprise	8/25	-	Dodge Ram 2500 Work Truck
Coastal Roll Off	9/02	-	40 Yard Dumpster
Mobile Mini	9/15	-	20 Foot Container

Position (trade) of Subcontractors	No. of Workers	Hours	Extent of Work (complete description of days activity)
Sansone	11	86	Crew continued trenching and installing yard piping at AWTP site. Chemical piping and trenching began at AWTP site. Earthwork activites continued at Evaporation Pond site. Dust control was done via water truck at the evaporation pond site.
Windsor	1	8	Backhoe operator trenching for the electricians.

Equipment on Project	Hours	Idle	Description of Operation of Equipment
C2500/F350			Yard piping at AWTP.
PC50			Yard piping at AWTP.
Cat 936			Yard piping at AWTP.
JD 310/410			Yard piping at AWTP.
Cat 140G			Grading at evaporation pond.
Cat D-4GS			Grading at evaporation pond.
H20 Truck/IR115			Grading at evaporation pond.
Windsor Backhoe			Electrical work at AWTP.

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Daily Construction Report

CDM Constructors Inc. Effective: 04/24/2009 / Revision: 03

Date	10/02/2014

Project Name	Cambria Emergency Water Supply Project
Owner	Cambria Community Services District
Project Number	105539
Project Manager	Randy Redmann
CDM Smith Representative	Paul Pagano, Randy Redmann
CDM Constructors Inc. Superintendent	Paul Pagano
Daily Job Report #	26
Work Day #	26
Day of Week	Thursday
Weather	Sunny

Signature	Paul Pagano	Temp @ 8:00am	62	Temp @ 2:00pm	98
		High Temp.	98	Low Temp.	58

	Name/Company	Time In	Time out
Visitors (include time)	/		
	/		
	/		
	/		
	/		
Notes			

No. of Workers	Hours	Extent of Work (complete description of days activity)
2	16	Paul Pagano (Site Superintendent) and Randy Redmann (Construction Manager): Supervised site activities.
6	50	William Marquis, journeyman, and apprentice trenched and installed conduit at AWTP site. Collin Millett was onsite to help with electrical and hired two new electrical journeyman. Filled out new hire paperwork.

Verbal Directives	N/A
Changes from Specification	N/A

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Daily Construction Report

Back charges and/or Extra Work	Electrical rented the backhoe operator from Tim Windsor for 8 hours.

Slip #	Supplier	Material Received
	Windsor	450 Tons of Dirt

Supplier	Date In	Date Out	CDM Constructors Inc. Equipment Rental (Supplier Name)
Enterprise	8/25	-	Dodge Ram 2500 Work Truck
Coastal Roll Off	9/02	-	40 Yard Dumpster
Mobile Mini	9/15	-	20 Foot Container

Position (trade) of Subcontractors	No. of Workers	Hours	Extent of Work (complete description of days activity)
Sansone			Crew continued trenching and installing yard piping at AWTP site. Chemical piping and trenching continued at AWTP site. Started sanding trenches to prepare for backfill. Earthwork activites continued at Evaporation Pond site. Dust control was done via water truck at the evaporation pond site.
Windsor	1	8	Backhoe operator trenching for the electricians.

Equipment on Project	Hours	Idle	Description of Operation of Equipment
C2500/F350			Yard piping at AWTP.
PC50			Yard piping at AWTP.
JD 310/410			Yard piping at AWTP.
Cat D-6H			Grading at evaporation pond.
Cat 140G			Grading at evaporation pond.
Cat D-4GS			Grading at evaporation pond.
H20 Truck/IR115			Grading at evaporation pond.
Windsor Backhoe			Electrical work at AWTP.

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CDM Smith

Business Operations

Daily Construction Report

CDM Constructors Inc. Effective: 04/24/2009 / Revision: 03

Date	10/03/2014

Project Name	Cambria Emergency Water Supply Project
Owner	Cambria Community Services District
Project Number	105539
Project Manager	Randy Redmann
CDM Smith Representative	Paul Pagano, Randy Redmann
CDM Constructors Inc. Superintendent	Paul Pagano
Daily Job Report #	27
Work Day #	27
Day of Week	Friday
Weather	Sunny

Signature	Paul Pagano	Temp @ 8:00am	60	Temp @ 2:00pm	97
		High Temp.	98	Low Temp.	58

Visitors (include time)	Name/Company	Time In	Time out
	/		
	/		
	/		
	/		
	/		
Notes			

No. of Workers	Hours	Extent of Work (complete description of days activity)
2	16	Paul Pagano (Site Superintendent) and Randy Redmann (Construction Manager): Supervised site activities.
6	50	William Marquis, 3x journeyman, and apprentice trenched and installed conduit at AWTP site.

Verbal Directives	N/A
Changes from Specification	N/A
Back charges and/or Extra Work	Electrical rented the backhoe operator from Tim Windsor for 8 hours.

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Business Operations

Daily Construction Report

CDM Constructors Inc.

Effective: 04/24/2009 / Revision: 03

Slip #	Supplier	Material Received

Supplier	Date In	Date Out	CDM Constructors Inc. Equipment Rental (Supplier Name)
Enterprise	8/25	-	Dodge Ram 2500 Work Truck
Coastal Roll Off	9/02	-	40 Yard Dumpster
Mobile Mini	9/15	-	20 Foot Container

Position (trade) of Subcontractors	No. of Workers	Hours	Extent of Work (complete description of days activity)
Sansone	13	91	Crew continued trenching and installing yard piping at AWTP site. Chemical piping and trenching continued at AWTP site. Continued sanding trenches to prepare for backfill. Earthwork activites continued at Evaporation Pond site. Dust control was done via water truck at the evaporation pond site.
Windsor	1	8	Backhoe operator trenching for the electricians.

Equipment on Project	Hours	Idle	Description of Operation of Equipment
C2500/F350			Yard piping at AWTP.
PC50			Yard piping at AWTP.
JD 310/410			Yard piping at AWTP.
Cat D-6H			Grading at evaporation pond.
Cat 140G			Grading at evaporation pond.
Cat D-4GS			Grading at evaporation pond.
H20 Truck/IR115			Grading at evaporation pond.
Windsor Backhoe			Electrical work at AWTP.

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CDM Smith

Business Operations

Daily Construction Report

CDM Constructors Inc. Effective: 04/24/2009 / Revision: 03

Date	10/06/2014

Project Name	Cambria Emergency Water Supply Project
Owner	Cambria Community Services District
Project Number	105539
Project Manager	Randy Redmann

CDM Smith Representative	Paul Pagano, Randy Redmann
CDM Constructors Inc. Superintendent	Paul Pagano
Daily Job Report #	28
Work Day #	28
Day of Week	Monday
Weather	Sunny

Signature	Paul Pagano	Temp @ 8:00am	56	Temp @ 2:00pm	85
		High Temp.	85	Low Temp.	53

	Name/Company	Time In	Time out
Visitors (include time)	Jerry Gruber/CCSD	12 AM	12:30 PM
	/		
	/		
	/		
	/		
Notes			

No. of Workers	Hours	Extent of Work (complete description of days activity)
1	8	Paul Pagano (Site Superintendent): Supervised site activities. Held site safety meeting.
6	50	William Marquis, 3x journeyman, and apprentice trenched and installed conduit at AWTP site.
1	8	Boni demo'd concrete cleanout at the AWTP site. Took apart HPO pump out of the pumo housing preparing to install it into the container that will be onsite soon. Helped William with grouting PG&E vault and patching pre caste pad. Also installed shelving in the electrical container.

Verbal Directives	N/A

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Daily Construction Report

Changes from Specification	N/A		
Back charges and/or Extra Work	Electrical rented the backhoe operator for 4 hours.		
Slip #	Supplier		Material Received
Supplier	Date In	Date Out	CDM Constructors Inc. Equipment Rental (Supplier Name)
Enterprise	8/25	-	Dodge Ram 2500 Work Truck
Coastal Roll Off	9/02	-	40 Yard Dumpster
Mobile Mini	9/15	-	20 Foot Container
Position (trade) of Subcontractors	No. of Workers	Hours	Extent of Work (complete description of days activity)
Sansone	12	94.5	Crew continued trenching and installing yard piping at AWTP site. Trenching for electricians continued. Drag and rolled the interior of the evaporation pond. Surveyors staked the concrete evaporation pond pads on top of the levy and also staked the concrete anchor blocks that will anchor the stainless steel wire rope across the pond. Began finished grading the exterior slopes of the evaporation pond preparing for hydroseeding. Dust control was done via water truck at the evaporation pond site.
Equipment on Project	Hours	Idle	Description of Operation of Equipment
C2500/F350			Yard piping at AWTP.
PC50			Yard piping at AWTP.
Cat 257			Yard piping at AWTP.

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Daily Construction Report

H20 Truck			Grading at evaporation pond.
IR 115			Grading at evaporation pond.
Cat 140 G			Grading at evaporation pond.
Cat D-4GS			Grading at evaporation pond.

Exhibit 14

Exhibit 14

Safety Meeting Topic Sheet

Project Name: San Simeon Creek Emergency Water Supply Project
Project Number: 105539
Owner: Cambria Community Services District
Project Manager: Randall Redmann
Date: 9/02/2014

"Driving Vehicles and Moving Equipment Safely"

Many workplace injuries and deaths involve vehicles and moving equipment, but sometimes this equipment is essential to the work operation. All vehicle and equipment operators should be trained, competent, and safety-minded to avoid costly accidents and injuries. Before operation, drivers should carefully read the operators manual and observe the operating, maintenance, and safety instructions.

Operators should be prepared for a safe day at the wheel, by getting enough rest and taking occasional breaks, especially on hot days, to reduce fatigue. Vehicle operation should be limited or avoided when drivers are ill or taking medications that can affect alertness. Operators should dress appropriately for the weather and work conditions, including head and eye protection. If the vehicle doesnt have a protective cab, dust respirator and acoustic earmuffs or plugs may be required. Before driving, seat belts should be securely fastened, even if the vehicle has roll over protection (ROPs). No one should ride on any part of a moving vehicle, except areas intended for transport. If there are no passenger seats, there should be no riders. Operators should see to it that everyone is at a safe distance from the equipment before moving. Only those with a drivers license should drive equipment on public roads.

Vehicle ground speed should match operating conditions. Speed should be cut in turns, when near ditches and obstacles, on rough, hilly or muddy ground, and when visibility is poor. All workers should be warned not be approach or get on equipment that is under power. When the vehicle is stopped, brakes should be set securely, using park lock, and remove keys to keep unauthorized persons or children from restarting the machinery. Operators should disengage the power take off, keeping shields and guards in place, and turn off the engine before unclogging, refueling or working on any power-driven machine.

Other workers can avoid danger from moving equipment by staying alert, out of the way, and by never walking under or alongside moving equipment. As an added safety precaution, a first-aid kit with emergency numbers should be kept in the vehicle or close enough for quick access.

Exhibit 14

CDM Smith

Site Safety Meeting Sign In Sheet

CDM Constructors Inc.

Project Name San Simeon Creek Emergency Water Supply Project
Project Number
Owner Cambria Community Services District
Project Manager Randall Redmann

Topics:

Date: 10/6/2014

Name	Company	Position	Signature
William Marquis	CDM/Smith	Foreman	
Mike Kuster	CDM/Smith	JW	
Richard Welter	CDM/Smith	JW	Rich Welter
Bonifacio Gonzalez	CDM-SMITH	LABOR - PIPE	
PAUL PAGANO	CDM SMITH	SUPER	
Matt Flores	CDM Smith	Electrician	
John Altman	CDM Smith	Electrician	
JIM ENGLE	SANSONE	OPER	
Steve Hopson	SANSONE	Labor	
JOSE HURTADO	SANSONE	LABOR	
Clarence Land	Sansone	Labor	
DANIEL GUERRERO	SANSONE	LABOR	
JIM MILLER	SANSONE	SUPERINTENDENT	
JEFF DABB	"	op	
RupAKHAN	SANSONE	LAbor - operAtor	
Nick Shiffer	SANSONE	operator	
TONY DIAZ	SANSONE	OP	

Exhibit 14

CDM Smith

Business Operations

Daily Construction Report

CDM Constructors Inc. Effective: 04/24/2009 / Revision: 03

Date	10/07/2014

Project Name	Cambria Emergency Water Supply Project
Owner	Cambria Community Services District
Project Number	105539
Project Manager	Randy Redmann
CDM Smith Representative	Paul Pagano, Randy Redmann
CDM Constructors Inc. Superintendent	Paul Pagano
Daily Job Report #	29
Work Day #	29
Day of Week	Tuesday
Weather	AM Fog/PM Sun

Signature	Paul Pagano	Temp @ 8:00am	53	Temp @ 2:00pm	79
		High Temp.	81	Low Temp.	50

	Name/Company	Time In	Time out
Visitors (include time)	/		
	/		
	/		
	/		
	/		
Notes			

No. of Workers	Hours	Extent of Work (complete description of days activity)
1	8	Paul Pagano (Site Superintendent): Supervised site activities.
6	50	William Marquis, 3x journeyman, and apprentice installed conduit at AWTP site.
2	16	Boni & Tony helped William with backfill and compaction of electrical trenches.

Verbal Directives	N/A
Changes from Specification	N/A
Back charges and/or Extra Work	Electrical used 15 hours of extra work for backfill and trenching of electrical conduit trenches.

Exhibit 14

CDM Smith

Business Operations

Daily Construction Report

CDM Constructors Inc. Effective: 04/24/2009 / Revision: 03

Slip #	Supplier	Material Received
	Hilti	Pipe Supports
	Tripac	Bolt & Gaskets

Supplier	Date In	Date Out	CDM Constructors Inc. Equipment Rental (Supplier Name)
Enterprise	8/25	-	Dodge Ram 2500 Work Truck
Coastal Roll Off	9/02	-	40 Yard Dumpster
Mobile Mini	9/15	-	20 Foot Container

Position (trade) of Subcontractors	No. of Workers	Hours	Extent of Work (complete description of days activity)
Sansone	12	94.5	Crew continued trenching and installing yard piping at AWTP site. Trenching for electricians continued. Dust control was done via water truck at the evaporation pond site.

Equipment on Project	Hours	Idle	Description of Operation of Equipment
C2500/F350			Yard piping at AWTP.
PC50			Yard piping at AWTP.
Cat 257			Yard piping at AWTP.
H20 Truck			Grading at evaporation pond.
JD 310/410			Yard piping at AWTP.
Cat 936			Yard piping at AWTP.

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Exhibit 14

Daily Construction Report

CDM Constructors Inc. Effective: 04/24/2009 / Revision: 03

Date	10/08/2014

Project Name	Cambria Emergency Water Supply Project
Owner	Cambria Community Services District
Project Number	105539
Project Manager	Randy Redmann
CDM Smith Representative	Paul Pagano, Randy Redmann
CDM Constructors Inc. Superintendent	Paul Pagano
Daily Job Report #	30
Work Day #	30
Day of Week	Wednesday
Weather	AM Fog/PM Sun

Signature	Paul Pagano	Temp @ 8:00am	54	Temp @ 2:00pm	76
		High Temp.	79	Low Temp.	54

Visitors (include time)	Name/Company	Time In	Time out
	/		
	/		
	/		
	/		
	/		
Notes			

No. of Workers	Hours	Extent of Work (complete description of days activity)
2	16	Paul Pagano (Site Superintendent) & Randy Redmann (Project Manager): Supervised site activities. Held 3 week look ahead schedule with Jim Miller (Sansone).
6	50	William Marquis, 3x journeyman, and apprentice installed conduit at AWTP site.
2	16	Boni & Tony helped electrical with backfill and compaction of electrical trenches.

Verbal Directives	N/A
Changes from Specification	N/A

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CDM Smith

Business Operations

Daily Construction Report

CDM Constructors Inc. Effective: 04/24/2009 / Revision: 03

Back charges and/or Extra Work	Electrical used 8 hours of extra work for backfill and trenching of electrical conduit trenches.

Slip #	Supplier	Material Received

Supplier	Date In	Date Out	CDM Constructors Inc. Equipment Rental (Supplier Name)
Enterprise	8/25	-	Dodge Ram 2500 Work Truck
Coastal Roll Off	9/02	-	40 Yard Dumpster
Mobile Mini	9/15	-	20 Foot Container

Position (trade) of Subcontractors	No. of Workers	Hours	Extent of Work (complete description of days activity)
Sansone	10	76	Crew continued trenching and installing yard piping at AWTP site. Trenching and backfilling for electricians continued.

Equipment on Project	Hours	Idle	Description of Operation of Equipment
C2500/F350			Yard piping at AWTP.
PC50			Yard piping at AWTP.
Cat 257			Yard piping at AWTP.
JD 310/410			Yard piping at AWTP.
Cat 257			Yard piping at AWTP.

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Exhibit 14

CDM Smith

Business Operations

Daily Construction Report

CDM Constructors Inc. Effective: 04/24/2009 / Revision: 03

Date	10/09/2014

Project Name	Cambria Emergency Water Supply Project
Owner	Cambria Community Services District
Project Number	105539
Project Manager	Randy Redmann

CDM Smith Representative	Paul Pagano, Randy Redmann				
CDM Constructors Inc. Superintendent	Paul Pagano				
Daily Job Report #	31				
Work Day #	31				
Day of Week	Thursday				
Weather	AM Fog/PM Sun				
Signature	Paul Pagano	Temp @ 8:00am	52	Temp @ 2:00pm	74
		High Temp.	75	Low Temp.	51

Visitors (include time)	Name/Company	Time In	Time out
	/		
	/		
	/		
	/		
	/		
Notes			

No. of Workers	Hours	Extent of Work (complete description of days activity)
2	16	Paul Pagano (Site Superintendent) & Randy Redmann (Project Manager): Supervised site activities.
6	50	William Marquis, 3x journeyman, and apprentice installed conduit at AWTP site.
2	16	Boni & Tony helped electrical with backfill and compaction of electrical trenches, set HPO tank, and UV Skid.

Verbal Directives	N/A
Changes from Specification	N/A
Back charges and/or Extra Work	Electrical used 4 hours of extra work for backfill and trenching of electrical conduit trenches.

Exhibit 14

CDM Smith

Business Operations

Daily Construction Report

CDM Constructors Inc. Effective: 04/24/2009 / Revision: 03

Slip #	Supplier	Material Received
	Harrtington Plastics	Yard piping material
	HILTI	Anchors for equipment
	CES	Electrical Equipment

Supplier	Date In	Date Out	CDM Constructors Inc. Equipment Rental (Supplier Name)
Enterprise	8/25	-	Dodge Ram 2500 Work Truck
Coastal Roll Off	9/02	-	40 Yard Dumpster
Mobile Mini	9/15	-	20 Foot Container

Position (trade) of Subcontractors	No. of Workers	Hours	Extent of Work (complete description of days activity)
Sansone	10	76	Crew continued trenching and installing yard piping at AWTP site. Trenching and backfilling for electricians continued.

Equipment on Project	Hours	Idle	Description of Operation of Equipment
C2500/F350			Yard piping at AWTP.
PC50			Yard piping at AWTP.
Cat 257			Yard piping at AWTP.
JD 310/410			Yard piping at AWTP.

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Exhibit 14

CDM Smith

Business Operations

Daily Construction Report

CDM Constructors Inc.

Effective: 04/24/2009 / Revision: 03

Date	10/10/2014

Project Name	Cambria Emergency Water Supply Project
Owner	Cambria Community Services District
Project Number	105539
Project Manager	Randy Redmann
CDM Smith Representative	Paul Pagano, Randy Redmann
CDM Constructors Inc. Superintendent	Paul Pagano
Daily Job Report #	32
Work Day #	32
Day of Week	Friday
Weather	AM Fog/PM Sun

Signature	Paul Pagano	Temp @ 8:00am	53	Temp @ 2:00pm	71
		High Temp.	72	Low Temp.	53

	Name/Company	Time In	Time out
Visitors (include time)	/		
	/		
	/		
	/		
	/		
Notes			

No. of Workers	Hours	Extent of Work (complete description of days activity)
2	16	Paul Pagano (Site Superintendent) & Randy Redmann (Project Manager): Supervised site activities.
5	40	William Marquis, 3x journeyman, and apprentice installed conduit at AWTP site and began conduit install at evaporation pond site. PG&E installed new power pole at AWTP site.
2	16	Boni & Tony helped electrical with backfill and compaction of electrical trenches. Installed anchors for HPO tank and UV Skid. Installed concrete cleanout at the evaporation pond site.

Verbal Directives	N/A
Changes from Specification	N/A

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Business Operations

Daily Construction Report

CDM Constructors Inc. Effective: 04/24/2009 / Revision: 03

Back charges and/or Extra Work	N/A

Slip #	Supplier	Material Received

Supplier	Date In	Date Out	CDM Constructors Inc. Equipment Rental (Supplier Name)
Enterprise	8/25	-	Dodge Ram 2500 Work Truck
Coastal Roll Off	9/02	-	40 Yard Dumpster
Mobile Mini	9/15	-	20 Foot Container

Position (trade) of Subcontractors	No. of Workers	Hours	Extent of Work (complete description of days activity)
Sansone	10	76	Crew finished backfilling chemical building, RO #1, RO #2, and Third Stage RO areas. Installed yard rock on the finished areas preparing for the containers to arrive Tuesday 10/14/2014. Dug out five evaporator pads preparing for the sub to do formwork, install rebar, and pour pads next week.

Equipment on Project	Hours	Idle	Description of Operation of Equipment
C2500/F350			Yard piping at AWTP.
PC35			Yard piping at AWTP.
JD 310/410			Yard piping at AWTP.

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Daily Construction Report

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Exhibit 14

CDM Smith

Business Operations

Daily Construction Report

CDM Constructors Inc. Effective: 04/24/2009 / Revision: 03

Date	10/13/2014

Project Name	Cambria Emergency Water Supply Project
Owner	Cambria Community Services District
Project Number	105539
Project Manager	Randy Redmann

CDM Smith Representative	Paul Pagano, Randy Redmann				
CDM Constructors Inc. Superintendent	Paul Pagano				
Daily Job Report #	33				
Work Day #	33				
Day of Week	Monday				
Weather	AM Fog/PM Sun				
Signature	Paul Pagano	Temp @ 8:00am	52	Temp @ 2:00pm	76
		High Temp.	78	Low Temp.	51

	Name/Company	Time In	Time out
Visitors (include time)	/		
	/		
	/		
	/		
	/		
Notes			

No. of Workers	Hours	Extent of Work (complete description of days activity)
2	16	Paul Pagano (Site Superintendent) & Randy Redmann (Project Manager): Supervised site activities. Held site safety meeting.
5	40	William Marquis, 3x journeyman, and apprentice continued to install conduit at AWTP site and at evaporation pond site. Backfilled trenches at new PG&E power pole install. Installed ground grid around swtichgear pad.
2	16	Boni & Tony cleaned up bottom and interior slopes at the evaporation pond preparing for the liner install.

Verbal Directives	Directed all staff onsite to park vehicles away from all site entrances to prepare for the equipment delivery.

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Business Operations

Daily Construction Report

CDM Constructors Inc. Effective: 04/24/2009 / Revision: 03

Changes from Specification	N/A
Back charges and/or Extra Work	William Marquis used 13 hours of extra work from Sansone for trenching and backfill.

Slip #	Supplier	Material Received

Supplier	Date In	Date Out	CDM Constructors Inc. Equipment Rental (Supplier Name)
Enterprise	8/25	-	Dodge Ram 2500 Work Truck
Coastal Roll Off	9/02	-	40 Yard Dumpster
Mobile Mini	9/15	-	20 Foot Container

Position (trade) of Subcontractors	No. of Workers	Hours	Extent of Work (complete description of days activity)
Sansone	11	84	Crew exposed existing 8" where 8"-RW-PVC and 4"-FLT-PVC tie in. Blew ropes through chemical lines to measure the amount of chemical tubing needed. Backfiled conduit at the new PG&E power pole. Backfilled 1 1/2" broken pipe trench. Dug grounding grid around switchgear pad. Dug more conduits at control room pad at the evaporation pond.

Equipment on Project	Hours	Idle	Description of Operation of Equipment
C2500/F350			Yard piping at AWTP.
Wacker			Yard piping at AWTP.
JD 310/410			Yard piping at AWTP.
JD 211			Yard piping at AWTP.

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Daily Construction Report

PC 50			Yard piping at AWTP.

Exhibit 14

CDM Smith

Safety Meeting Topic Sheet

Project Name: San Simeon Creek Emergency Water Supply Project
Project Number: 105539
Owner: Cambria Community Services District
Project Manager: Randall Redmann
Date: 10/13/2014

"Working Around Cranes"

A crane is one of the most versatile and important pieces of equipment usually found on a construction job. It can be used to accomplish a lot of otherwise heavy lifting tasks. However, it can also be one the most dangerous since it can lift heavy loads over large areas of a project. Today we will discuss some of the important safety points about working around cranes.

Guide for Discussion

- Always be aware of the swing radius of the crane.
- Never walk within the swing radius of the crane.
- Never work under suspended loads. The crane boom could fail.
- Always wear a hard hat.
- Stay off of and away from the crane unless you are assigned to be on the crane.

Remember: When working around a crane, the crane operator is going to be watching his load or the signal person and not for stray workers. Never enter the swing radius of a crane unless it is absolutely necessary.

Exhibit 14

CDM Smith

Site Safety Meeting Sign In Sheet

CDM Constructors Inc.

Project Name San Simeon Creek Emergency Water Supply Project
Project Number 105539.0
Owner Cambria Community Services District
Project Manager Randall Redmann

Topics:

Date: 10/13/2014

Name	Company	Position	Signature
William MARQUIS	CDM SMITH	FORMAN	
Antonio	CDM	[illegible]	
Matt Flores	CDM	Elect.	
John Altman	CDM	Elect.	
Patti Dunton	SHPA	Monitor	Patti Dunton
Mike Kuster	CDM	Elect.	
BONIFACIO GONZALE	CDM SMITH	LABOR	
Clarense Land	Sansone C.	Labor	
JIM MILLER	SANSONE	SUPERINTENDENT	
STEVE HOPSON	SANSONE	Labor	
STEVE HEREVIA	SANSONE	Labor	
RUBAKHAN	SANSONE	Labor + operator	
JOSE HURTADO	SANSONE	LABOR	
Jim ENGLE SR.	SANSONE	OPERATOR	
DANIEL GUERRERO	SANSONE	LABOR	
JIM ENGLE	[illegible]	OPER	
TONY DIAZ	SANSONE	OP	
Richard Welter	CDM	Electrician	

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Business Operations

Daily Construction Report

CDM Constructors Inc. Effective: 04/24/2009 / Revision: 03

Date	10/14/2014

Project Name	Cambria Emergency Water Supply Project
Owner	Cambria Community Services District
Project Number	105539
Project Manager	Randy Redmann

CDM Smith Representative	Paul Pagano, Randy Redmann				
CDM Constructors Inc. Superintendent	Paul Pagano				
Daily Job Report #	34				
Work Day #	34				
Day of Week	Tuesday				
Weather	Cloudy				
Signature	Paul Pagano	Temp @ 8:00am	63	Temp @ 2:00pm	70
		High Temp.	71	Low Temp.	60

	Name/Company	Time In	Time out
Visitors (include time)	/		
	/		
	/		
	/		
	/		
Notes			

No. of Workers	Hours	Extent of Work (complete description of days activity)
2	16	Paul Pagano (Site Superintendent) & Randy Redmann (Project Manager): Supervised site activities.
5	40	William Marquis, 3x journeyman, and apprentice continued to install conduit at AWTP site and at evaporation pond site. Removed blocking at the pond site where slurry was poured. Started backfill at the evaporation pond site to be able to give to Sansone for concrete work. Continued ground grid install around the switchboard pad. Pulled manderols in all 4" and 5" conduits at AWTP. This was also inspected by the PG&E inspector and signed off.
2	16	Boni & Tony continued to clean up the bottom and interior slopes at the evaporation pond preparing for the liner install.

Exhibit 14

Verbal Directives	Directed all staff onsite to park vehicles away from all site entrances to prepare for the equipment delivery. H2O Innovations was informed of the fence damage and will get back to CDM Smith on plan of action.
Changes from Specification	N/A
Back charges and/or Extra Work	William Marquis used hours for backfill at the evaporation pond site.

Slip #	Supplier	Material Received
	H2O Innovations	Primary RO #1 Container
	H2O Innovations	Primary RO #2 Container
	H2O Innovations	Chemical Container
	Harrington Plastics	20' 8" Sched 80 Pipe

Supplier	Date In	Date Out	CDM Constructors Inc. Equipment Rental (Supplier Name)
Enterprise	8/25	-	Dodge Ram 2500 Work Truck
Coastal Roll Off	9/02	-	40 Yard Dumpster
Mobile Mini	9/15	-	20 Foot Container

Position (trade) of Subcontractors	No. of Workers	Hours	Extent of Work (complete description of days activity)
Sansone	13	85	Excavated the transformer pad and switchboard/control room pad trenches for the electrician at the evaporation pond. After the electrician set the ground cables crew then backfilled. Started excavating for 8"-FW-PVC line. Liner anchor trench excavation began. Leak detection trench excavation began.
Specialty Crane	2	15	Set Primary RO #1, Primary RO #2, and Chemical Container.
LES Distributions Malbert Inc.	3	9	3 separate truck drivers delivered Primary RO #1, Primary RO #2, and Chemical Container. While delivering the Primary RO #1 container the truck driver damaged the fence at the entrance to the site.

Exhibit 14

Daily Construction Report

Equipment on Project	Hours	Idle	Description of Operation of Equipment
C2500/F350			Yard piping at AWTP.
Wacker			Yard piping at AWTP.
JD 310/410			Yard piping at AWTP.
JD 211			Yard piping at AWTP.
PC 50			Yard piping at AWTP.
PC 200			Trenching at Evaporation Pond.
GC			Trenching at Evaporation Pond.
Cat D-4GS			Trenching at Evaporation Pond.

Exhibit 14

Exhibit 14

Exhibit 14

CDM Smith

Business Operations

Daily Construction Report

CDM Constructors Inc. Effective: 04/24/2009 / Revision: 03

Date	10/15/2014

Project Name	Cambria Emergency Water Supply Project
Owner	Cambria Community Services District
Project Number	105539
Project Manager	Randy Redmann
CDM Smith Representative	Paul Pagano, Randy Redmann
CDM Constructors Inc. Superintendent	Paul Pagano
Daily Job Report #	35
Work Day #	35
Day of Week	Wednesday
Weather	Cloudy

Signature	Paul Pagano	Temp @ 8:00am	60	Temp @ 2:00pm	75
		High Temp.	76	Low Temp.	59

	Name/Company	Time In	Time out
Visitors (include time)	/		
	/		
	/		
	/		
	/		
Notes			

No. of Workers	Hours	Extent of Work (complete description of days activity)
2	16	Paul Pagano (Site Superintendent) & Randy Redmann (Project Manager): Supervised site activities.
5	40	William Marquis, 3x journeyman, and apprentice continued to install conduit at AWTP site and at evaporation pond site.
2	16	Boni & Tony finished clean up of the bottom and interior slopes at the evaporation pond preparing for the liner install. Installed air conditioners on top of Primary RO #1, Primary RO #2, and Chemical Container.

Verbal Directives	N/A
Changes from Specification	N/A

Exhibit 14

Back charges and/or Extra Work	William Marquis used hours 4 hours of extra work from Sansone for backfill at the evaporation pond site.

Slip #	Supplier	Material Received

Supplier	Date In	Date Out	CDM Constructors Inc. Equipment Rental (Supplier Name)
Enterprise	8/25	-	Dodge Ram 2500 Work Truck
Coastal Roll Off	9/02	-	40 Yard Dumpster
Mobile Mini	9/15	-	20 Foot Container

Position (trade) of Subcontractors	No. of Workers	Hours	Extent of Work (complete description of days activity)
Sansone	8	52	Continued the electricical ground cable backfill. Started excavating for 8"-FW-PVC line. Worked on compaction and fill of the FLT tie-in and drain line. Sansone subcontractor continued construction of 5 concrete evaporator pads.

Equipment on Project	Hours	Idle	Description of Operation of Equipment
C2500/F350			Yard piping at AWTP.
Wacker			Yard piping at AWTP.
JD 310/410			Yard piping at AWTP.
JD 210			Yard piping at AWTP.
PC 35			Yard piping at AWTP.

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CDM Smith

Daily Construction Report

Date	10/16/2014

Project Name	Cambria Emergency Water Supply Project
Owner	Cambria Community Services District
Project Number	105539
Project Manager	Randy Redmann
CDM Smith Representative	Paul Pagano, Randy Redmann
CDM Constructors Inc. Superintendent	Paul Pagano
Daily Job Report #	36
Work Day #	36
Day of Week	Thursday
Weather	Cloudy

Signature	Paul Pagano	Temp @ 8:00am	53	Temp @ 2:00pm	73
		High Temp.	74	Low Temp.	52

	Name/Company	Time In	Time out
Visitors (include time)	/		
	/		
	/		
	/		
	/		
Notes			

No. of Workers	Hours	Extent of Work (complete description of days activity)
2	16	Paul Pagano (Site Superintendent) & Randy Redmann (Project Manager): Supervised site activities.
5	40	William Marquis, 3x journeyman, and apprentice continued to install conduit at AWTP site and at evaporation pond site.
2	16	Boni & Tony continued installed of air conditioners on top of Primary RO #1, Primary RO #2, and Chemical Container. Fixed doors in containers that were difficult to open. Installed water heater exhaust pipes on containers.

Verbal Directives	N/A
Changes from Specification	N/A

Exhibit 14

Daily Construction Report

Back charges and/or Extra Work	N/A		
Slip #	Supplier	Material Received	

Supplier	Date In	Date Out	CDM Constructors Inc. Equipment Rental (Supplier Name)
Enterprise	8/25	-	Dodge Ram 2500 Work Truck
Coastal Roll Off	9/02	-	40 Yard Dumpster
Mobile Mini	9/15	-	20 Foot Container

Position (trade) of Subcontractors	No. of Workers	Hours	Extent of Work (complete description of days activity)
Sansone	7	48	Trenched the 8"-FW-PVC line from yelomine tie in to the tie in at the product water pump. Backfilled and then compacted these areas. Finished graded around the 5000 gal Influent Water Tank and the 10000 gal Break/BW Tank, and the Control Building. Placed gravel in these areas. Shepard, Sansones subcontractor, poured 5 mechanical evaparorator pads. Delivery of yelomine pipe was recevied and stocked at both sites.

Equipment on Project	Hours	Idle	Description of Operation of Equipment
C2500/F350			Yard piping at AWTP.
Wacker			Yard piping at AWTP.
JD 310/410			Yard piping at AWTP.
JD 210			Yard piping at AWTP.
PC 35			Yard piping at AWTP.

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CDM Smith

Business Operations

Daily Construction Report

CDM Constructors Inc. Effective: 04/24/2009 / Revision: 03

Date	10/17/2014

Project Name	Cambria Emergency Water Supply Project
Owner	Cambria Community Services District
Project Number	105539
Project Manager	Randy Redmann

CDM Smith Representative	Paul Pagano, Randy Redmann				
CDM Constructors Inc. Superintendent	Paul Pagano				
Daily Job Report #	37				
Work Day #	37				
Day of Week	Friday				
Weather	Cloudy				
Signature	Paul Pagano	Temp @ 8:00am	50	Temp @ 2:00pm	72
		High Temp.	74	Low Temp.	49

	Name/Company	Time In	Time out
Visitors (include time)	/		
	/		
	/		
	/		
	/		
Notes			

No. of Workers	Hours	Extent of Work (complete description of days activity)
2	16	Paul Pagano (Site Superintendent) & Randy Redmann (Project Manager): Supervised site activities.
5	40	William Marquis, 3x journeyman, and apprentice continued to install conduit at AWTP site and at evaporation pond site.
1	8	Tony finished install of water heater exhaust pipes on containers. Drew center lines on concrete pads to ensure centering of equipment. Cleaned off concrete pads before equipment set. Unload equipment from delivery trucks. Helped with setting of equipment.

Verbal Directives	Road at AWTP site had to be widened to accomadate for the 53' MF Container. Due to truck driver high centering her trailer on San Simeon Creek

Exhibit 14

	Road and causing a traffic jam which created a health and safety concern for the public and the working crews.
Changes from Specification	N/A
Back charges and/or Extra Work	N/A

Slip #	Supplier	Material Received

Supplier	Date In	Date Out	CDM Constructors Inc. Equipment Rental (Supplier Name)
Enterprise	8/25	-	Dodge Ram 2500 Work Truck
Coastal Roll Off	9/02	-	40 Yard Dumpster
Mobile Mini	9/15	-	20 Foot Container

Position (trade) of Subcontractors	No. of Workers	Hours	Extent of Work (complete description of days activity)
Sansone	7	48	Pulled 1020 lf of 8" yelomine pipe on the line that runs from the AWTP site to injection well. Placed steel at the control room pad at the evaporation pond site. Installed rip rap and check valve at the 8" drain line to the perculation pond. Sansones subcontractor set and poured 5x5x5 anchor blocks at the evaporation pond.
DBK Trucking	3	n/a	Arrival of chemical tanks, MF/RO pump skid, Product Water Pump Skid, Third Stage RO, Control Building Container, MF Container.

Equipment on Project	Hours	Idle	Description of Operation of Equipment
C2500/F350			Yard piping at AWTP.
Wacker			Yard piping at AWTP.

Exhibit 14

JD 310/410			Yard piping at AWTP.
JD 210			Yard piping at AWTP.
PC 35			Yard piping at AWTP.

Exhibit 14

CDM Smith

Business Operations

Daily Construction Report

CDM Constructors Inc. Effective: 04/24/2009 / Revision: 03

Date	10/20/2014

Project Name	Cambria Emergency Water Supply Project
Owner	Cambria Community Services District
Project Number	105539
Project Manager	Randy Redmann

CDM Smith Representative	Paul Pagano, Randy Redmann				
CDM Constructors Inc. Superintendent	Paul Pagano				
Daily Job Report #	38				
Work Day #	38				
Day of Week	Monday				
Weather	AM Clouds/PM Sun/ Wind				
Signature	Paul Pagano	Temp @ 8:00am	60	Temp @ 2:00pm	73
		High Temp.	75	Low Temp.	59

Visitors (include time)	Name/Company	Time In	Time out
	Bob Gresens/CCSD	3:00 PM	3:30 PM
	/		
	/		
	/		
	/		
Notes			

No. of Workers	Hours	Extent of Work (complete description of days activity)
2	16	Paul Pagano (Site Superintendent) & Randy Redmann (Project Manager): Supervised site activities. Held site safey meeting.
5	40	William Marquis, 3x journeyman, and apprentice continued to install conduit at AWTP site and at evaporation pond site. Continue to install conduit that stubs up into the trailers.
2	16	Tony and Boni began install of yard piping into the MF/RO Feed Pump Skid and the 3000 Gal CIP Tank.

Verbal Directives	Reminded all of crew to wear PPE at all times onsite and keep under the speed limits on site.
Changes from Specification	N/A

Exhibit 14

Daily Construction Report

Back charges and/or Extra Work	Electricians used 12 hours of extra work to excavate and backfill trench for electrical conduit that runs for AWTP site to the existing well.	
Slip #	Supplier	Material Received

Supplier	Date In	Date Out	CDM Constructors Inc. Equipment Rental (Supplier Name)
Enterprise	8/25	-	Dodge Ram 2500 Work Truck
Coastal Roll Off	9/02	-	40 Yard Dumpster
Mobile Mini	9/15	-	20 Foot Container

Position (trade) of Subcontractors	No. of Workers	Hours	Extent of Work (complete description of days activity)
Sansone	9	80	8"-FW-PVC was complete today. 8" yelomine pipe was pulled from the AWTP site to the injection well in the well field. Began setup of formwork and steel at the injection well to prepare for the concrete slab in this area. Finished the setup of formwork and steel at the control room/switchboard pad at the Evaporation pond site. Excavation continued for the anchor trench and leak detection trench at the evaporation pond site. Extra work to excavate and backfill trench for electrical conduit that runs for AWTP site to the existing well. Sansone concrete sub was onsite stripping forms and cleaning up the mechanical evaporator pads. 5x5x5 anchor blocks at the evaporation site were poured. Pouring of the injection well pad and the control buidling/switchboard pad will happen tommrow.
International Lining Technologies	3	18	Mobilizing to site and getting set up for the liner work that will begin tommrow.
Geologic	1	8	QCA onsite at the evaporation pond taking soil samples and also looking over all evaporation pond work.
Native American Monitor	1	8	Monitoring work at AWTP site and Evaporation Pond site.
Archieological	1	8	Monitoring work at AWTP site and Evaporation Pond site.

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Business Operations

Daily Construction Report

CDM Constructors Inc. Effective: 04/24/2009 / Revision: 03

Monitor			
Equipment on Project	Hours	Idle	Description of Operation of Equipment
C2500/F350			Yard piping at AWTP.
Wacker			Yard piping at AWTP.
JD 310/410			Yard piping at AWTP.
Cat D-4GS			Evaporation Pond trenching.
PC 50			Evaporation Pond trenching.

Exhibit 14

Safety Meeting Topic Sheet

Project Name: San Simeon Creek Emergency Water Supply Project
Project Number: 105539
Owner: Cambria Community Services District
Project Manager: Randall Redmann
Date: 10/20/2014

"Trench Safety"

A trench is a narrow channel that is deeper than it is wide, made below the surface of the ground. A trench can be up to 15 feet wide. Soil removed from a trench must be kept at least two feet back from the edge of the trench. Trenches deeper than four feet must have a way to get in and out (access and egress), usually a ladder, for every 25 feet of horizontal travel within the trench. If you are over five feet you must bench/slope the trench!

Safety Hazards

- Cave-ins - can be caused by:
    - Vibration of nearby construction equipment or vehicle traffic.
    - Weight of equipment that is too close to the edge of the trench.
    - Soils that do not hold tightly together.
    - Soil that has been dug in before is not as stable as undisturbed earth.
    - Water weakening the strength of the trench sides.
- Hazardous atmospheres – may be generated as toxic gases can be released by the digging, or accumulate in the bottom of the trench.
- Underground utilities – the location of any utility services must be located before digging. Call 811.

Exhibit 14

CDM Smith

Site Safety Meeting Sign In Sheet

CDM Constructors Inc.

Project Name San Simeon Creek Emergency Water Supply Project
Project Number 105539
Owner Cambria Community Services District
Project Manager Randall Redmann

Date: 10/20/2014

Topics:

Name	Company	Position	Signature
William Morris	CDM/Smith	Forman	
Richard Welter	CDM/Smith	SW	RKW
Mike Kuster	CDM/Smith	JW	
John Altman	CDM Smith	JW	
PAUL PAGANO	CDM SMITH	SUPER	
STEVE HOPSON	Sansson	Laber	
DAN GUERRERO	SANSONE	LABOR	
Bonifacio Gonzalez	CDM-SMITH	PIPE FITTER	
Antonio B	CDM Smith	PIPE FITTER	
KUBAKHAN	SANSONE	LAbor - operaton	Kubakhan
Clarence Lard	Sansone	Labor	
Jim Engle Sr.	" "	OPERATOR	
JIM ENGLE	SANSONE	OPER	

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Exhibit 14

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Business Operations

Daily Construction Report

CDM Constructors Inc. Effective: 04/24/2009 / Revision: 03

Date	10/21/2014

Project Name	Cambria Emergency Water Supply Project
Owner	Cambria Community Services District
Project Number	105539
Project Manager	Randy Redmann

CDM Smith Representative	Paul Pagano, Randy Redmann				
CDM Constructors Inc. Superintendent	Paul Pagano				
Daily Job Report #	39				
Work Day #	39				
Day of Week	Tuesday				
Weather	AM Clouds/PM Sun				
Signature	Paul Pagano	Temp @ 8:00am	61	Temp @ 2:00pm	79
		High Temp.	79	Low Temp.	60

	Name/Company	Time In	Time out
Visitors (include time)	/		
	/		
	/		
	/		
	/		
Notes			

No. of Workers	Hours	Extent of Work (complete description of days activity)
2	16	Paul Pagano (Site Superintendent) & Randy Redmann (Project Manager): Supervised site activities.
5	40	William Marquis, 3x journeyman, and apprentice continued to install conduit at AWTP site. Continue to install conduit that stubs up into the trailers. PG&E Transformer arrived onsite and was set on the transformer pad.
2	19	Tony and Boni began install of yard piping into the UV Skid and Product Water Pump Skid. Installed AC units onto the top of the Control Room, Third Stage RO, and MF Container. Began to install anchor bolts in the Third Stage RO. Began to install HPO pump in Chemical Container.

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CDM Smith

Business Operations

Daily Construction Report

CDM Constructors Inc. Effective: 04/24/2009 / Revision: 03

Verbal Directives	N/A
Changes from Specification	N/A
Back charges and/or Extra Work	N/A

Slip #	Supplier	Material Received

Supplier	Date In	Date Out	CDM Constructors Inc. Equipment Rental (Supplier Name)
Enterprise	8/25	-	Dodge Ram 2500 Work Truck
Coastal Roll Off	9/02	-	40 Yard Dumpster
Mobile Mini	9/15	-	20 Foot Container

Position (trade) of Subcontractors	No. of Workers	Hours	Extent of Work (complete description of days activity)
Sansone	10	76	8"-FW-PVC line that runs from the injection well to the AWTP was tied into the plant via underground today. Trenching began inside the AWTP plant for 8"-FLT-PVC line that runs from the Product Water Pump Skid to the lagoon (Lagoon Mitigation Line). Concrete was poured for the Control Room Slab at the Evaporation Pond site and the Well Head Slab was poured within the injection well field. Excavation continued for the liner trench at evaporation pond.
International Lining Technologies	3	24	60-Mil HDPE Liner and the 8-Oz nonwoven geotextile fabric were placed within the leak detection trench at the evaporation pond site.
Geologic	1	8	QCA onsite at the evaporation pond taking soil samples and also looking over all evaporation pond work.
Native American Monitor	1	8	Monitoring work at AWTP site and Evaporation Pond site.
Archieological Monitor	1	8	Monitoring work at AWTP site and Evaporation Pond site.

Exhibit 14

Daily Construction Report

Equipment on Project	Hours	Idle	Description of Operation of Equipment
C2500/F350			Yard piping at AWTP.
Wacker			Yard piping at AWTP.
JD 310/410			Yard piping at AWTP.
PC 50			Evaporation pond trenching.
H20 Truck			Evaporation pond trenching.

Exhibit 14

Exhibit 14

Exhibit 14

Business Operations

Daily Construction Report

CDM Constructors Inc. Effective: 04/24/2009 / Revision: 03

Date	10/24/2014

Project Name	Cambria Emergency Water Supply Project
Owner	Cambria Community Services District
Project Number	105539
Project Manager	Randy Redmann
CDM Smith Representative	Paul Pagano, Randy Redmann
CDM Constructors Inc. Superintendent	Paul Pagano
Daily Job Report #	42
Work Day #	42
Day of Week	Friday
Weather	Partly Cloudy/Wind

Signature	Paul Pagano	Temp @ 8:00am	60	Temp @ 2:00pm	75
		High Temp.	75	Low Temp.	58

Visitors (include time)	Name/Company	Time In	Time out
	/		
	/		
	/		
	/		
	/		
Notes			

No. of Workers	Hours	Extent of Work (complete description of days activity)
2	16	Paul Pagano (Site Superintendent) & Randy Redmann (Project Manager): Supervised site activities.
4	40	William Marquis, 2x journeyman, and apprentice continued to install conduit into the trailers at AWTP site.
2	19	Tony and Boni continued the install of anchor bolts on the containers. Finished install of pipe into the CIP Tank and the UV Skid. Began to install pipe supports on the CIP Tank.

Verbal Directives	N/A
Changes from Specification	N/A

Exhibit 14

Daily Construction Report

Back charges and/or Extra Work	Paul Pagano used 14 hours of extra work from Sansone to dig and backfill the additional 4" drain line from the MF that will connect to the BWW line.

Slip #	Supplier	Material Received

Supplier	Date In	Date Out	CDM Constructors Inc. Equipment Rental (Supplier Name)
Enterprise	8/25	-	Dodge Ram 2500 Work Truck
Coastal Roll Off	9/02	-	40 Yard Dumpster
Mobile Mini	9/15	-	20 Foot Container

Position (trade) of Subcontractors	No. of Workers	Hours	Extent of Work (complete description of days activity)
Sansone	11	80	Continued the yard piping tie in to Primary RO #1 and Primary RO #2. Extra work to dig and backfill the additional 4" drain line from the MF that will connect to the BWW line. Began placing rock in the leak detection trench. Started grading site and hauled in some CL II Base. Began placing the Class II ase on the AWTP loop road and rolled it.
Northcoast Engineering	1	1.5	Met with Scott Yoshida regarding the SWPPP Plan.

Equipment on Project	Hours	Idle	Description of Operation of Equipment
C2500/F350			Yard piping at AWTP.
Wacker			Yard piping at AWTP.
JD 310/410			Yard piping at AWTP.
PC 35			Yard piping at AWTP.
PC Mini Ex			Loop road at AWTP Site.
JD 210			Loop road at AWTP Site.

Exhibit 14

H20 Truck			Loop road at AWTP Site.
JD 410			Loop road at AWTP Site.

Exhibit 14

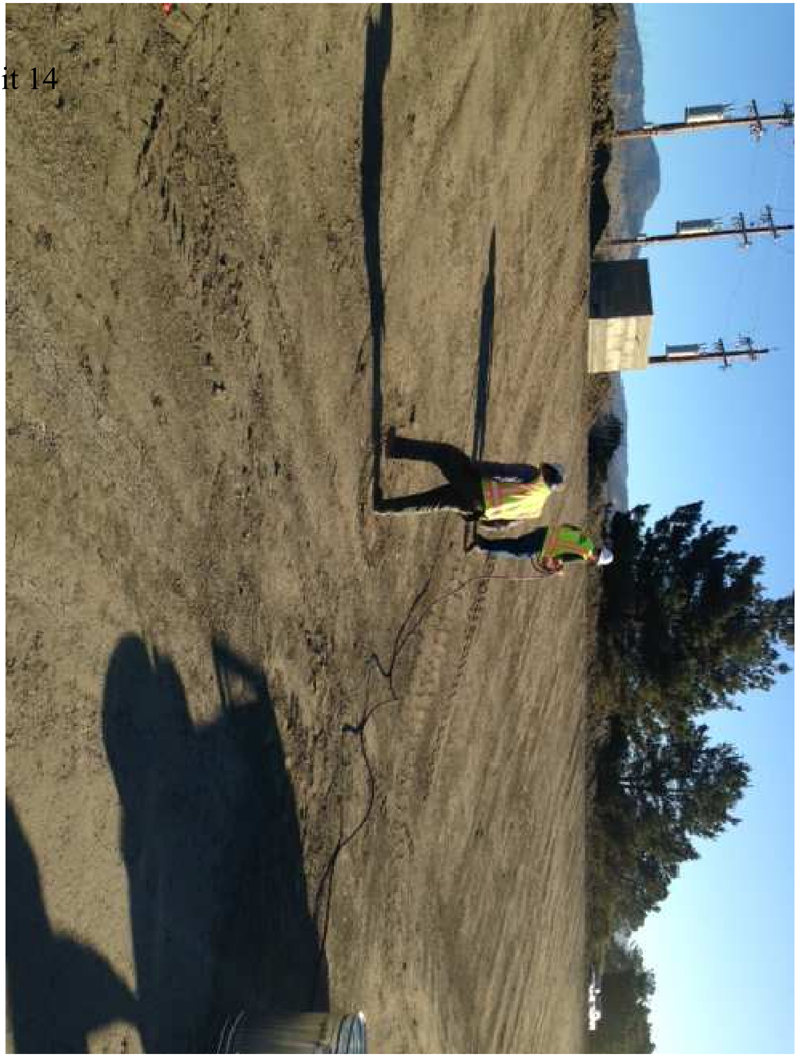

Exhibit 14

CDM Smith

Business Operations

Daily Construction Report

CDM Constructors Inc. Effective: 04/24/2009 / Revision: 03

Date	10/27/2014

Project Name	Cambria Emergency Water Supply Project
Owner	Cambria Community Services District
Project Number	105539
Project Manager	Randy Redmann

CDM Smith Representative	Paul Pagano, Randy Redmann				
CDM Constructors Inc. Superintendent	Paul Pagano				
Daily Job Report #	43				
Work Day #	43				
Day of Week	Monday				
Weather	Partly Cloudy/Wind				
Signature	Paul Pagano	Temp @ 8:00am	58	Temp @ 2:00pm	76
		High Temp.	76	Low Temp.	58

Visitors (include time)	Name/Company	Time In	Time out
	Ryan Lodge/Water Board	12:00 PM	1:00 PM
	/		
	/		
	/		
	/		
Notes			

No. of Workers	Hours	Extent of Work (complete description of days activity)
2	16	Paul Pagano (Site Superintendent) & Randy Redmann (Project Manager): Supervised site activities. Held site safety meeting.
5	50	William Marquis, 3x journeyman, and apprentice continued to install conduit into the trailers and pumps skids at AWTP site. Continued connections to the UV Skid, RO #3, and RO #2. Mounted a disconnect and connections for the product water pump.
2	19	Tony and Boni continued the install of anchor bolts on the containers. Finished install of condensate line into the AC unit of the control building. Began to install vents in the chemical containers. Installed 8" and 4" check valves at the 10,000 gal break tank. Deployed a gopher gas into gopher holes. The holes were then cleared with water. A bentonite mixture was placed into the holes to prevent further degredation.

Exhibit 14

Verbal Directives	Held site safety meeting on PPE. Reminded crew to wear PPE at all times while at the construction site.
Changes from Specification	N/A
Back charges and/or Extra Work	Paul Pagano used 4 hours of extra time tieing the drainline into the BWW line.

Slip #	Supplier	Material Received

Supplier	Date In	Date Out	CDM Constructors Inc. Equipment Rental (Supplier Name)
Enterprise	8/25	-	Dodge Ram 2500 Work Truck
Coastal Roll Off	9/02	-	40 Yard Dumpster
Mobile Mini	9/15	-	20 Foot Container

Position (trade) of Subcontractors	No. of Workers	Hours	Extent of Work (complete description of days activity)
Sansone	9	68	Continued grading and placing base on loop road at AWTP site. Completed gutout and compacton of road area low point elevation 23.5 where water drains into existing basin. Tied in the 4" drainline from MF Container, backfilled and compacted. Continued hooking up the three RO units. Started tying in the 8" connections into the MF Container.
Native American Monitor	1	8	Sifted through soil that was moved to widen the access road to AWTP site for the safety issue involving the 53' MF Container.
Archeological Monitor	1	8	Sifted through soil that was moved to widen the access road to AWTP site for the safety issue involving the 53' MF Container.
Geo-Logic	1	8	Observed the activities of CDM Smith and International Lining Technologies at the Evaporation pond site.
International Lining Technologies	7	42	Wrapped the VZMS gravel in geotextile and heat-bonded the seams. Constructed the boot for the 4" HDPE drainage

Exhibit 14

			pipe. Unloaded a truck of conductive 60-mil HDPE Geo membrane. Made sandbags.

Equipment on Project	Hours	Idle	Description of Operation of Equipment
C2500/F350			Yard piping at AWTP.
Wacker			Yard piping at AWTP.
JD 310/410			Yard piping at AWTP.
PC50			Yard piping at AWTP.
PC 35			Loop road at AWTP Site.
JD 210			Loop road at AWTP Site.
H20 Truck			Loop road at AWTP Site.
JD 410			Loop road at AWTP Site.

Exhibit 14

Safety Meeting Topic Sheet

Project Name: San Simeon Creek Emergency Water Supply Project
Project Number: 105539
Owner: Cambria Community Services District
Project Manager: Randall Redmann
Date: 10/27/2014

“Personal Protective Equipment”

There are over 75 OSHA Standards that address the need and use for Personal Protective Equipment (PPS). While PPE use can prevent injuries and illnesses, engineering controls should be the primary methods used to eliminate or minimize hazard exposure in the workplace. When controls are not practical or applicable, personal protective equipment can be used to reduce or eliminate personnel exposure to hazards. Personal protective equipment (PPE) must be provided, used, and maintained when it has been determined that its use is required and that such use will lessen the likelihood of occupational injuries and/or illnesses.

- **Personal Protective Equipment - Ear plugs** or ear muffs can go a long way to avoid hearing loss. Adjust your muffs so they're comfortable and don't squeeze your ears. Disposable ear plugs must be clean and fitted properly. Never insert dirty ear plugs or use dirty hands when putting the plugs in your ears.
- **Personal Protective Equipment - Safety glasses** provide eye protection from flying chips, debris and other eye hazards. Goggles protect your eyes from chemical splashes and face shields are a safeguard when worn over other protective eyewear, such as safety glasses.
- **Personal Protective Equipment Hard Hats** protect your head from low hanging or falling objects. Wear hard hats as they were intended to be worn and never make modifications to your hat, such as drilling air holes in the sides. Each hat is engineered for impacts and if you modify the hat, you could damage the hat to such a degree where the hat will not afford the designed protection. Bump caps are made of lesser quality plastic and are not engineered for falling objects or impacts. Bump caps are used in areas where there are bump hazards and not falling objects. Many food processing

Exhibit 14

facilities use bump caps solely for the purpose of containing hair and not for protection from impacts of falling objects.

- **Personal Protective Equipment - Boots and safety shoes** are good personal protective equipment. Even if your job doesn't require steel toed safety shoes, leather topped shoes can provide a degree of protection from chemical splashes, petroleum products and small cuts, bruises and abrasions. Your shoes should be in good condition and the soles of the shoes should be slip resistant. Keep your footwear in good condition and always clean off your shoes before climbing ladders, or getting into vehicles. Grease or slippery shoes can create accidents.

Exhibit 14

SAFETY MEETING 10/27

Clarence Land	Sansone Co	
Steve Hovanik	Sansone Co	
Rubakhan	SANSONE	Rubakhan
Matt Flores	CDM	M. Flo
John Altman	CDM	
William Marquis	CDM	
Richard Welter	CDM	Ricky Welter
Mike Kuster	CDM	
Antonio	CDM	Antonio
Jim Miller	SANSONE	
[illegible]	CDM SMITH	
Jim Engle Sr	SANSONE	Jim Engle
JIM ENGLE	SANSONE	
DAN GUERRERO	SANSONE	
MATT DEBERNARDI	"	Matt
James Iuzzo	"	Jam
Rudy Redmann	CDM	
PAUL PAGANO	CDM	Paul Pag

Exhibit 14

Exhibit 14

CDM Smith

Business Operations

Daily Construction Report

CDM Constructors Inc. Effective: 04/24/2009 / Revision: 03

Date	11/03/2014

Project Name	Cambria Emergency Water Supply Project
Owner	Cambria Community Services District
Project Number	105539
Project Manager	Randy Redmann
CDM Smith Representative	Paul Pagano, Randy Redmann
CDM Constructors Inc. Superintendent	Paul Pagano
Daily Job Report #	48
Work Day #	48
Day of Week	Monday
Weather	Cloudy/Windy

Signature	Paul Pagano	Temp @ 8:00am	49	Temp @ 2:00pm	77
		High Temp.	78	Low Temp.	48

Visitors (include time)	Name/Company	Time In	Time out
	/		
	/		
	/		
	/		
	/		
Notes			

No. of Workers	Hours	Extent of Work (complete description of days activity)
2	16	Paul Pagano (Site Superintendent) & Randy Redmann (Project Manager): Supervised site activities. Held site safety meeting.
5	50	William Marquis, 3x journeyman, and apprentice continued to install conduit into the trailers and pumps skids at AWTP site.

Verbal Directives	N/A
Changes from Specification	N/A
Back charges and/or Extra Work	48 hours extra work was to trench and begin installing gopher barrier around pond.

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CDM Smith

Business Operations

Daily Construction Report

CDM Constructors Inc. Effective: 04/24/2009 / Revision: 03

Slip #	Supplier	Material Received
N/A	SMI	Received control building for the blowers at the evaporation pond.

Supplier	Date In	Date Out	CDM Constructors Inc. Equipment Rental (Supplier Name)
Enterprise	8/25	-	Dodge Ram 2500 Work Truck
Coastal Roll Off	9/02	-	40 Yard Dumpster
Mobile Mini	9/15	-	20 Foot Container

Position (trade) of Subcontractors	No. of Workers	Hours	Extent of Work (complete description of days activity)
Sansone	9	64	Took delivery of HDPE pipe today. Installed back ordered bolts on the MF container tie ins. Started moving material to get ready for grading this week. Extra work was to trench and start installing gopher barrier around the evaporation pond.

Equipment on Project	Hours	Idle	Description of Operation of Equipment
C2500/F350			Install gopher fence at evaporation pond.
JD 310/410			Install gopher fence at evaporation pond.
PC35			Install gopher fence at evaporation pond.
Rental Trencher			Install gopher fence at evaporation pond.

Exhibit 14

Safety Meeting Topic Sheet

Project Name: San Simeon Creek Emergency Water Supply Project
Project Number: 105539
Owner: Cambria Community Services District
Project Manager: Randall Redmann
Date: 10/27/2014

"Electric Shock"

The switchboards are now energized. We need to be careful of the switchboards to not run into them. Know where the switchboard is at all times!

An electric shock is the tingling sensation or muscular contraction that a person experiences when an electrical current passes through the body. An electric shock can severely burn or kill if the muscle contraction is severe enough to stop the heart. This muscle contraction will in many cases cause the victim to remain firmly gripped to the source of electrocution, particularly where power tools or leads are being used.

In the event of a worker receiving an electric shock it is vital that fellow workers act swiftly to attempt to limit the damage caused to the victim. Call emergency services immediately so they are on the way prior to trying to release the victim.

Releasing a Victim From Live Electric Current

When a person comes into contact with a live electrical circuit of sufficient voltage to cause an electric shock you first priority is to eliminate the flow of current. This typically is not just turning off the machine, equipment or tool . . . you must break the current at the source by switching off the circuit or by removing the plug from the socket in the case of a power tool.

On some occasions this may not be possible to do quickly enough. At this point your only option is to break the contact between the current and the person. This can be done by either moving the victim or moving the electrical source (wire) so they are no longer in contact. To do this safely without harm to yourself you must not be another conductor for the electric path to ground. Insulate yourself if you must move a victim away from a live contact - wear electrical or dry gloves or cover your hands with cloth and stand on dry insulating material like cardboard, wood or clothes. Ensure you have good footing and will not slip or fall when trying to move the victim. Utilize something non-conductive to release the victim or move the source from the victim.

Once the victim is released from the live current check the victims breathing and heartbeat. If breathing has stopped, but the victims pulse is present, commence mouth-to-mouth resuscitation. If heartbeat has stopped, commence cardiopulmonary resuscitation (CPR). If both breathing and heartbeat have stopped, alternate between mouth-to-mouth resuscitation and CPR. Use blankets to keep the victim warm and raise the victims legs slightly above the level of the head to lessen the effects of shock.

Exhibit 14

William Marquis	CDM SMITH	
John Altman	CDM smith	
Richard Welter	CDM Smith	RAW
Mike Kuster	CDMSmith	
STEVE HOPSON	SANSONE	Steve Hopson
JIM ENGLE	SANSONE	
DAN GUERRERO	SAN SONE	
STEVE HEREDIA	SANSONE	
RubaKhan	SANSONE	Rubakhan,
TONY DIAZ	SANSONE	
Clarence Land	Sansone	
JEFF DOBBS	SANSONE	
JIM MKIER	SANSONE	
PAUL PAGANO	CDM	

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Exhibit 14

CDM Smith

Business Operations

Daily Construction Report

CDM Constructors Inc. Effective: 04/24/2009 / Revision: 03

Date	11/04/2014

Project Name	Cambria Emergency Water Supply Project
Owner	Cambria Community Services District
Project Number	105539
Project Manager	Randy Redmann

CDM Smith Representative	Paul Pagano, Randy Redmann				
CDM Constructors Inc. Superintendent	Paul Pagano				
Daily Job Report #	49				
Work Day #	49				
Day of Week	Tuesday				
Weather	Sunny				
Signature	Paul Pagano	Temp @ 8:00am	53	Temp @ 2:00pm	77
		High Temp.	78	Low Temp.	48

Visitors (include time)	Name/Company	Time In	Time out
	/		
	/		
	/		
	/		
	/		
Notes			

No. of Workers	Hours	Extent of Work (complete description of days activity)
2	16	Paul Pagano (Site Superintendent) & Randy Redmann (Project Manager): Supervised site activities. Held site safety meeting.
5	50	William Marquis, 3x journeyman, and apprentice continued to install conduit into the trailers and pumps skids at AWTP site.
1	8	Tony installed chemical tubing from chemical containers to the chemical tanks. Also installed chemical tubing from chemical containers to break tank, product water tank, MF Feed pumps, and UV Skid.

Verbal Directives	N/A
Changes from Specification	32 hours extra work from Sansone. 22 hours extra work from ILT.

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Daily Construction Report

CDM Constructors Inc. Effective: 04/24/2009 / Revision: 03

Back charges and/or Extra Work	N/A

Slip #	Supplier	Material Received

Supplier	Date In	Date Out	CDM Constructors Inc. Equipment Rental (Supplier Name)
Enterprise	8/25	-	Dodge Ram 2500 Work Truck
Coastal Roll Off	9/02	-	40 Yard Dumpster
Mobile Mini	9/15	-	20 Foot Container

Position (trade) of Subcontractors	No. of Workers	Hours	Extent of Work (complete description of days activity)
Sansone	9	68	Began to fuse the 10" HDPE pipe. Backfilled the ground grid for the control room. Hand grade repair pond. Assemble well head.
International Lining Technologies	8	73	Measured the west side of the pond to get ready for liner lay down. Cleaned out the mud off the sump area. Started to install the GCL. Started installing the drain liner.

Equipment on Project	Hours	Idle	Description of Operation of Equipment
C2500/F350			Evaporation pond.
JD 310/410			Evaporation pond.
PC35			Evaporation pond.
JD 210			Evaporation pond.

Exhibit 14

Business Operations

Daily Construction Report

CDM Constructors Inc. Effective: 04/24/2009 / Revision: 03

Exhibit 14

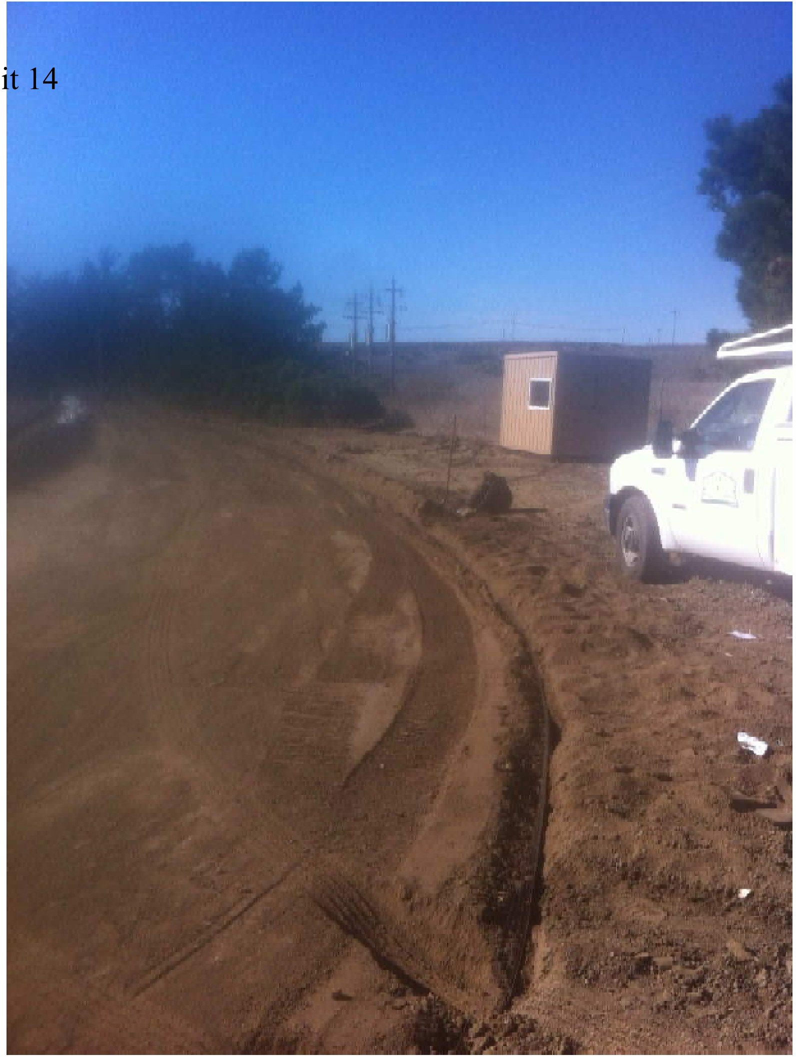

Exhibit 14

CDM Smith

Business Operations

Daily Construction Report

CDM Constructors Inc. Effective: 04/24/2009 / Revision: 03

Date	11/05/2014

Project Name	Cambria Emergency Water Supply Project				
Owner	Cambria Community Services District				
Project Number	105539				
Project Manager	Randy Redmann				
CDM Smith Representative	Paul Pagano, Randy Redmann				
CDM Constructors Inc. Superintendent	Paul Pagano				
Daily Job Report #	50				
Work Day #	50				
Day of Week	Wednesday				
Weather	Sunny				
Signature	Paul Pagano	Temp @ 8:00am	51	Temp @ 2:00pm	82
		High Temp.	83	Low Temp.	50

Visitors (include time)	Name/Company	Time In	Time out
	/		
	/		
	/		
	/		
	/		
Notes			

No. of Workers	Hours	Extent of Work (complete description of days activity)
2	16	Paul Pagano (Site Superintendent) & Randy Redmann (Project Manager): Supervised site activities.
5	50	William Marquis, 3x journeyman, and apprentice continued to install conduit into the trailers and pumps skids at AWTP site.
1	8	Tony continued install of chemical tubing from chemical containers to the chemical tanks.

Verbal Directives	N/A
Changes from Specification	N/A
Back charges and/or Extra Work	29 hours extra work from Sansone.

Exhibit 14

CDM Smith

Business Operations

Daily Construction Report

CDM Constructors Inc. Effective: 04/24/2009 / Revision: 03

Slip #	Supplier	Material Received

Supplier	Date In	Date Out	CDM Constructors Inc. Equipment Rental (Supplier Name)
Enterprise	8/25	-	Dodge Ram 2500 Work Truck
Coastal Roll Off	9/02	-	40 Yard Dumpster
Mobile Mini	9/15	-	20 Foot Container

Position (trade) of Subcontractors	No. of Workers	Hours	Extent of Work (complete description of days activity)
Sansone	9	68	Hand grade repair pond. Gopher fencing install continued at evaporation pond. Jackhammer existing well slab. Grading at AWTP site. Pipe up to injection well head. Fuse HDPE pipe. Trench for electrical at existing well.
International Lining Technologies	8	73	Continued installing the GCL. Continued installing the drain liner.

Equipment on Project	Hours	Idle	Description of Operation of Equipment
C2500/F350			Evaporation pond.
JD 310/410			Evaporation pond.
PC35			Evaporation pond.
JD 210			Evaporation pond.

Exhibit 14

Exhibit 14

CDM Smith **Business Operations**

Daily Construction Report

CDM Constructors Inc. Effective: 04/24/2009 / Revision: 03

Date	11/06/2014

Project Name	Cambria Emergency Water Supply Project
Owner	Cambria Community Services District
Project Number	105539
Project Manager	Randy Redmann
CDM Smith Representative	Paul Pagano, Randy Redmann
CDM Constructors Inc. Superintendent	Paul Pagano
Daily Job Report #	51
Work Day #	51
Day of Week	Thursday
Weather	Sunny

Signature	Paul Pagano	Temp @ 8:00am	48	Temp @ 2:00pm	81
		High Temp.	82	Low Temp.	47

	Name/Company	Time In	Time out
Visitors (include time)	/		
	/		
	/		
	/		
	/		
Notes			

No. of Workers	Hours	Extent of Work (complete description of days activity)
2	16	Paul Pagano (Site Superintendent) & Randy Redmann (Project Manager): Supervised site activities.
5	50	William Marquis, 3x journeyman, and apprentice continued to install conduit into the trailers and pumps skids at AWTP site.
1	8	Tony installed chemical tubing from chemical containers to the chemical tanks. Installed site glasses at both Influent and Product water tanks. Installed 45 deg eblow and blinde flange at the Break tank.

Verbal Directives	N/A
Changes from Specification	N/A

Exhibit 14

Back charges and/or Extra Work	38 hours extra work from Sansone.	
Slip #	Supplier	Material Received

Supplier	Date In	Date Out	CDM Constructors Inc. Equipment Rental (Supplier Name)
Enterprise	8/25	-	Dodge Ram 2500 Work Truck
Coastal Roll Off	9/02	-	40 Yard Dumpster
Mobile Mini	9/15	-	20 Foot Container

Position (trade) of Subcontractors	No. of Workers	Hours	Extent of Work (complete description of days activity)
Sansone	10	76	Continued fusing the HDPE for above grade piping. Supported the boring sub.Finished trenching in the west side of the gopher fencing and installed the remainder of it.
International Lining Technologies	8	73	Continued installing the GCL. Continued installing the drain liner.
Precision Drilling	2	18	The boring sub pulled in the 10" pipe and got set up to start the 8" tommrow. Finished trenching in the west side of the gopher fencing and installed the remainder of it.

Equipment on Project	Hours	Idle	Description of Operation of Equipment
C2500/F350			Evaporation pond.
JD 310/410			Evaporation pond.
PC35			Evaporation pond.
JD 210			Evaporation pond.
Cat D4G			Evaporation pond and AWTP.

Exhibit 14

Exhibit 14

CDM Smith

Business Operations

Daily Construction Report

CDM Constructors Inc. Effective: 04/24/2009 / Revision: 03

Date	12/15/2014

Project Name	Cambria Emergency Water Supply Project
Owner	Cambria Community Services District
Project Number	105539
Project Manager	Randy Redmann

CDM Smith Representative	Paul Pagano, Randy Redmann				
CDM Constructors Inc. Superintendent	Paul Pagano				
Daily Job Report #	76				
Work Day #	76				
Day of Week	Monday				
Weather	Cloudy/Slight wind				
Signature	Paul Pagano	Temp @ 8:00am	55	Temp @ 2:00pm	65
		High Temp.	66	Low Temp.	54

Visitors (include time)	Name/Company	Time In	Time out
	/		
	/		
	/		
	/		
	/		
Notes			

No. of Workers	Hours	Extent of Work (complete description of days activity)
2	16	Paul Pagano (Site Superintendent) & Randy Redmann (Project Manager): Supervised site activities. Held sight safety meeting.
2	16	William Marquis and apprentice continued final touch ups of electrical at AWTP site.
1	8	Adelliano onsite to begin commissioning activities.

Verbal Directives	N/A
Changes from Specification	N/A
Back charges and/or Extra Work	

Exhibit 14

CDM Smith

Business Operations

Daily Construction Report

CDM Constructors Inc. Effective: 04/24/2009 / Revision: 03

Slip #	Supplier	Material Received

Supplier	Date In	Date Out	CDM Constructors Inc. Equipment Rental (Supplier Name)
Enterprise	8/25	-	Dodge Ram 2500 Work Truck
Coastal Roll Off	9/02	-	40 Yard Dumpster
Mobile Mini	9/15	-	20 Foot Container

Position (trade) of Subcontractors	No. of Workers	Hours	Extent of Work (complete description of days activity)
Ingham Painting	3	24	Finished painting of well 9p7. Began to prepare for painting of conex containers.

Equipment on Project	Hours	Idle	Description of Operation of Equipment

Exhibit 14

Business Operations

Daily Construction Report

CDM Constructors Inc. Effective: 04/24/2009 / Revision: 03

Date	12/16/2014

Project Name	Cambria Emergency Water Supply Project
Owner	Cambria Community Services District
Project Number	105539
Project Manager	Randy Redmann

CDM Smith Representative	Paul Pagano, Randy Redmann				
CDM Constructors Inc. Superintendent	Paul Pagano				
Daily Job Report #	77				
Work Day #	77				
Day of Week	Tuesday				
Weather	Cloudy/Slight wind				
Signature	Paul Pagano	Temp @ 8:00am	55	Temp @ 2:00pm	67
		High Temp.	67	Low Temp.	55

Visitors (include time)	Name/Company	Time In	Time out
	/		
	/		
	/		
	/		
	/		
Notes			

No. of Workers	Hours	Extent of Work (complete description of days activity)
2	16	Paul Pagano (Site Superintendent) & Randy Redmann (Project Manager): Supervised site activities.
2	16	William Marquis and apprentice continued final touch ups of electrical at AWTP site.
1	8	Adelliano onsite to begin commissioning activities.

Verbal Directives	N/A
Changes from Specification	N/A
Back charges and/or Extra Work	

Exhibit 14

CDM Smith

Business Operations

Daily Construction Report

CDM Constructors Inc. Effective: 04/24/2009 / Revision: 03

Slip #	Supplier	Material Received

Supplier	Date In	Date Out	CDM Constructors Inc. Equipment Rental (Supplier Name)
Enterprise	8/25	-	Dodge Ram 2500 Work Truck
Coastal Roll Off	9/02	-	40 Yard Dumpster
Mobile Mini	9/15	-	20 Foot Container

Position (trade) of Subcontractors	No. of Workers	Hours	Extent of Work (complete description of days activity)
Ingham Painting	3	24	Began the painting of conex containers.

Equipment on Project	Hours	Idle	Description of Operation of Equipment

Exhibit 14

Daily Construction Report

Date	12/17/2014

Project Name	Cambria Emergency Water Supply Project
Owner	Cambria Community Services District
Project Number	105539
Project Manager	Randy Redmann

CDM Smith Representative	Paul Pagano, Randy Redmann				
CDM Constructors Inc. Superintendent	Paul Pagano				
Daily Job Report #	78				
Work Day #	78				
Day of Week	Wednesday				
Weather	Cloudy/Slight drizzle				
Signature	Paul Pagano	Temp @ 8:00am	47	Temp @ 2:00pm	54
		High Temp.	55	Low Temp.	46

Visitors (include time)	Name/Company	Time In	Time out
	/		
	/		
	/		
	/		
	/		
Notes			

No. of Workers	Hours	Extent of Work (complete description of days activity)
2	16	Paul Pagano (Site Superintendent) & Randy Redmann (Project Manager): Supervised site activities.
2	16	William Marquis and apprentice continued final touch ups of electrical at AWTP site.
1	8	Adelliano onsite to begin commissioning activities.

Verbal Directives	N/A
Changes from Specification	N/A
Back charges and/or Extra Work	Sansone performed 24 hours of extra work.

Exhibit 14

Business Operations

Daily Construction Report

CDM Constructors Inc. Effective: 04/24/2009 / Revision: 03

Slip #	Supplier	Material Received

Supplier	Date In	Date Out	CDM Constructors Inc. Equipment Rental (Supplier Name)
Enterprise	8/25	-	Dodge Ram 2500 Work Truck
Coastal Roll Off	9/02	-	40 Yard Dumpster
Mobile Mini	9/15	-	20 Foot Container

Position (trade) of Subcontractors	No. of Workers	Hours	Extent of Work (complete description of days activity)
Ingham Painting	3	24	Began to painting of conex containers.
Sansone	3	24	Continued working on the frog fence.

Equipment on Project	Hours	Idle	Description of Operation of Equipment

Exhibit 14

Business Operations

Daily Construction Report

CDM Constructors Inc. Effective: 04/24/2009 / Revision: 03

Date	12/18/2014

Project Name	Cambria Emergency Water Supply Project
Owner	Cambria Community Services District
Project Number	105539
Project Manager	Randy Redmann

CDM Smith Representative	Paul Pagano, Randy Redmann
CDM Constructors Inc. Superintendent	Paul Pagano
Daily Job Report #	79
Work Day #	79
Day of Week	Thursday
Weather	Cloudy/Slight drizzle

Signature	Paul Pagano	Temp @ 8:00am	52	Temp @ 2:00pm	58
		High Temp.	58	Low Temp.	52

Visitors (include time)	Name/Company	Time In	Time out
	/		
	/		
	/		
	/		
	/		

Notes	

No. of Workers	Hours	Extent of Work (complete description of days activity)
2	16	Paul Pagano (Site Superintendent) & Randy Redmann (Project Manager): Supervised site activities.
2	16	William Marquis and apprentice continued final touch ups of electrical at AWTP site.
1	8	Adelliano onsite to begin commissioning activities.

Verbal Directives	N/A
Changes from Specification	N/A
Back charges and/or Extra Work	Sansone performed 27 hours of extra work.

Exhibit 14

CDM Smith

Business Operations

Daily Construction Report

CDM Constructors Inc. Effective: 04/24/2009 / Revision: 03

Slip #	Supplier	Material Received

Supplier	Date In	Date Out	CDM Constructors Inc. Equipment Rental (Supplier Name)
Enterprise	8/25	-	Dodge Ram 2500 Work Truck
Coastal Roll Off	9/02	-	40 Yard Dumpster
Mobile Mini	9/15	-	20 Foot Container

Position (trade) of Subcontractors	No. of Workers	Hours	Extent of Work (complete description of days activity)
Ingham Painting	3	24	Continued the painting of conex containers.
Sansone	3	27	Continued working on the frog fence.

Equipment on Project	Hours	Idle	Description of Operation of Equipment

Exhibit 14

Business Operations

CDM Smith

Daily Construction Report

CDM Constructors Inc. Effective: 04/24/2009 / Revision: 03

Date	12/19/2014

Project Name	Cambria Emergency Water Supply Project
Owner	Cambria Community Services District
Project Number	105539
Project Manager	Randy Redmann
CDM Smith Representative	Paul Pagano, Randy Redmann
CDM Constructors Inc. Superintendent	Paul Pagano
Daily Job Report #	80
Work Day #	80
Day of Week	Friday
Weather	Cloudy/Slight drizzle

Signature	Paul Pagano	Temp @ 8:00am	54	Temp @ 2:00pm	58
		High Temp.	59	Low Temp.	54

Visitors (include time)	Name/Company	Time In	Time out
	/		
	/		
	/		
	/		
	/		
Notes			

No. of Workers	Hours	Extent of Work (complete description of days activity)
2	16	Paul Pagano (Site Superintendent) & Randy Redmann (Project Manager): Supervised site activities.
2	16	William Marquis and apprentice continued final touch ups of electrical at AWTP site.
1	8	Adelliano onsite to begin commissioning activities.

Verbal Directives	N/A
Changes from Specification	N/A
Back charges and/or Extra Work	Sansone performed 24 hours of extra work.

Exhibit 14

Slip #	Supplier	Material Received

Supplier	Date In	Date Out	CDM Constructors Inc. Equipment Rental (Supplier Name)
Enterprise	8/25	-	Dodge Ram 2500 Work Truck
Coastal Roll Off	9/02	-	40 Yard Dumpster
Mobile Mini	9/15	-	20 Foot Container

Position (trade) of Subcontractors	No. of Workers	Hours	Extent of Work (complete description of days activity)
Ingham Painting	3	24	Continued the painting of conex containers.
Sansone	3	24	Continued working on the frog fence.
International Lining Tech	5	40	Onsite to cover the white liner with a black liner. Adding another layer of liner where the brine comes in from the AWTP site per the design drawings. Adding liner curbs at evaporators to ensure that no brine willl seep around the edges of the evaporator pads per Ryan Lodge request.

Equipment on Project	Hours	Idle	Description of Operation of Equipment

Exhibit 14

Attachment D

Project Capital Expenses

(From CCSD Budget)

Exhibit 14

CAMBRIA COMMUNITY SERVICES DISTRICT
FISCAL YEAR 2016 - 2017 CAPITAL PROJECTS BUDGET
WATER FUND SUSTAINABLE WATER FACILITY (SWF)

SWF ONE-TIME REVENUES	Approved Budget FY 2015/16	Already Received 4/30/2016	Projected Receipts	Grand Total	Proposed Budget Authority	Proposed Change
Loan (Installment Sale)	$8,939,000	$8,939,000		$8,939,000	$8,939,000	$0
Proposition 84 IRWM Project	4,382,256	4,163,142	219,113	4,382,255	4,382,256	$0
TOTALS	$13,321,256	$13,102,142	$219,113	$13,321,255	$13,321,256	$0

COSTS INCLUDED IN CDM SMITH TASK ORDERS	Approved Budget FY 2015/16	Already Spent 4/30/2016	Projected Expenditures	Grand Total	Proposed Budget Authority	Proposed Change
Task Order #1: Hydrological Modeling	$174,495	$174,495	-	$174,495	$174,495	$0
Task Order #2: Preconstruction Engineering	$299,601	$299,601	-	$299,601	$299,601	$0
Task Order #3: Preconstruction Services	920,084	920,084	-	920,084	$920,084	$0
Task Order #4: Permitting: Prepurchase Assistance	499,941	499,941	-	499,941	$499,941	$0
Task Order #5: Permitting & Environmental	584,607	584,607	-	584,607	$584,607	$0
Task Order #6: Permitting & Environmental	308,090	75,499	232,591	308,090	$308,090	$0
TOTALS	$2,786,818	$2,554,227	$232,591	$2,786,818	$2,786,818	$0

DESIGN BUILD CONTRACT WITH CDM CONSTRUCTORS	Approved Budget FY 2015/16	Already Spent 4/30/2016	Projected Expenditures	Grand Total	Proposed Budget Authority	Proposed Change
Design Build Contract	$6,647,919	$6,647,919	$0	$6,647,919	$6,647,919	$0
Change Order #1	511,602	511,602	-	511,602	511,602	$0
Change Order #2	123,953	123,953	-	123,953	123,953	$0
Change Order #3	83,268	83,268	-	83,268	83,268	$0
TOTALS	$7,366,742	$7,366,742	$0	$7,366,742	$7,366,742	$0

SWF EXPENDITURES: OTHER	Approved Budget FY 2015/16	Already Spent 4/30/2016	Projected Expenditures	Grand Total	Proposed Budget Authority	Proposed Change
General Costs						
Primarily FGL	$58,117	$58,117	-	$58,117	$58,117	$0
Flag Lot Investigation	1,315	1,315	-	1,315	$1,315	$0
Performance Bond	54,000	54,000	-	54,000	$54,000	$0
RWQCB Permitting Fees	55,315	55,315	-	55,315	$55,315	$0
RWQCB-mandated Environmental Surety Bond (annual cos	72,000	72,000	-	72,000	$72,000	$0
Telemetry Upgrade	83,000		83,000	83,000	$83,000	$0
Tracer Testing 2016	100,000		100,000	100,000	$100,000	$0
Remote Sensing Installation at SS Creek Bridge	10,000		10,000	10,000	$10,000	$0
TOTALS	$433,747	$240,747	$193,000	$433,747	$433,747	$0

Exhibit 14

Attachment E

Certification of Separate Accounting of Grant Disbursements for Project

Exhibit 14

CERTIFICATION OF SEPARATE ACCOUNTING OF GRANT DISURSEMENTS FOR CAMBRIA COMMUNITY SERVICES DISTRICT EMERGENCY WATER SUPPLY PROPOSITION 84 INTEGRATED REGIONAL WATER MANAGEMENT IMPLEMENTATION GRANT FUNDING AGREEMENT NO. 4600010880, PROJECT 3

I Robert C. Gresens, P.E. certify that the Cambria Community Services District maintained a separate accounting of revenues and expenditures by fiscal year for the Proposition 84 Integrated Regional Water Management Plan Implementation Grant funds for the Cambria Community Services District Emergency Water Supply Project; and

Provided accurate, current and complete disclosure of assisted activities in accordance with financial reporting requirements of the grant agreement; and

Maintained records to adequately identify the source and application of funds for the grant agreement; and

Maintained effective control and accountability for all assets purchased with grant funds; and

Maintained comparisons of actual expenditures to budgeted expenditures for the grant agreement; and

Followed applicable terms of the grant agreement; and

Supported accounting records with source documentation, e.g., paid invoices, purchase orders, contracts, and other supporting documents; and

Established reasonable procedures to request funds as close as possible to the time needed to make payments for grant activities.

Robert C. Gresens

Cambria CSD District Engineer & Project Manager

April 15, 2016

Date

Exhibit 14

Attachment F

Certification of Project Completion

Exhibit 14

CERTIFICATION OF PROJECT COMPLETION

I, Robert C. Gresens, a California Registered Civil Engineer (RCE), hereby certify that the

Cambria Community Services District Emergency Water Supply Project
(Project Title)

has been completed in accordance with the final plans and specifications as

defined in Contract Number 4600010880, between the State and

San Luis Obispo County Flood Control and Water Conservation District.
(Name of Local Public Agency)

Date: April 18, 2016 Affix Stamp:

ROBERT CHARLES GRESENS
C 34018
Exp. 6-30-17
CIVIL

Engineer's Signature: Robert C. Gresens

RCE Number: C 34018 Expiration Date: June 30, 2017

Exhibit 14

2016008778
Tommy Gong
San Luis Obispo - County Clerk-Recorder
02/29/2016 04:59 PM
Recorded at the request of
PUBLIC
Titles: 1 Pages: 2
Fees: $0.00
Taxes: $0.00
Total: $0.00

RECORDING REQUESTED BY AND MAIL TO:

CAMBRIA COMMUNITY SERVICES DISTRICT
P.O. Box 65
CAMBRIA, CA 93428

DATED: February 28, 2016

SUBJECT: NOTICE OF COMPLETION AND ACCEPTANCE - EMERGENCY WATER SUPPLY PROJECT

NOTICE IS HEREBY GIVEN by the Cambria Community Services District, located in County of San Luis Obispo, State of California, as follows:

1. That on the 18th day of February, 2016, the project hereunder described was considered to be completed and accepted by the Cambria Community Services District Board of Directors.

2. That the description of said project is Emergency Water Supply Project, said project being located in the County of San Luis Obispo, State of California, on real property owned by the Cambria Community Services District and described as follows: Assessor's Parcel Nos.: 013-051-024 & 013-051-008.

3. That the name of the political subdivision controlling said project is the Cambria Community Services District, a special district within the County of San Luis Obispo, State of California.

4. That the name of the contractor on said project is CDM Constructors, Inc.

5. That the name of the surety on said project is Fidelity and Deposit Company of Maryland.

6. Transferors: None.

I declare under penalty of perjury that the foregoing is true and correct.

Executed at San Luis Obispo, California, this 28th day of February, 2016.

By: Jerome D. Gruber

Jerome D. Gruber, General Manager

Cambria Community Services District

State of California

* See Attachment JG

RECEIVED
MAR 17 2016
CAMBRIA CSD

Exhibit 14

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

CALIFORNIA ALL-PURPOSE CERTIFICATE OF ACKNOWLEDGMENT

State of California)

County of San Luis Obispo)

On 2/29/16 before me, J. Poff/ Notary Public (here insert name and title of the officer),

personally appeared Jerome D. Gruber

_______________________________________,

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) [✓ is]/are subscribed to the within instrument and acknowledged to me that [✓ he]/she/they executed the same in [✓ his]/her/their authorized capacity(ies), and that by [✓ his]/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature J Poff

J. POFF
COMM. #2032477
Notary Public - California
San Luis Obispo County
My Comm. Expires July 4, 2017
NR01

(Seal)

OPTIONAL INFORMATION

Although the information in this section is not required by law, it could prevent fraudulent removal and reattachment of this acknowledgment to an unauthorized document and may prove useful to persons relying on the attached document.

Description of Attached Document

The preceding Certificate of Acknowledgment is attached to a document titled/for the purpose of Notice of Completion

_______________________________________,

containing 1 pages, and dated 2/24/16.

The signer(s) capacity or authority is/are as:

- ☐ Individual(s)
- ☐ Attorney-in-Fact
- ☐ Corporate Officer(s) ____________________ Title(s)
- ☐ Guardian/Conservator
- ☐ Partner - Limited/General
- ☐ Trustee(s)
- ☐ Other: ____________________

representing: ____________________ Name(s) of Person(s) or Entity(ies) Signer is Representing

Additional Information

Method of Signer Identification

Proved to me on the basis of satisfactory evidence:
○ form(s) of identification ○ credible witness(es)

Notarial event is detailed in notary journal on:
Page # ______ Entry # ______

Notary contact: ____________________

Other

☐ Additional Signer(s) ☐ Signer(s) Thumbprint(s)
☐ ____________________

END OF DOCUMENT