



# LACH<sup>3</sup>



NEW UNITED STATES COURTHOUSE - LOS ANGELES, CA

June 2014

The building is truly going “vertical” with the start of structural steel erection which started on Monday, the 16<sup>th</sup> of June. As seen by the photo below and witnessed as you walk the perimeter of the site, the steel has been erected for the Mezzanine and Second Levels of the building. The shape of the “Cube” is now defined by the building corners and the set-backs from the adjacent streets are verified as well.



The photo to the right defines the “Cube” overhang and shows the temporary columns which will be removed once the structure is fully erected and welded. Great public spaces will be created by this overhang and will provide the means by which the public can access the building entrance. Steel erection will continue into early 2015. The progress being made with the placement of the metal decking at the erected levels will provide the barrier that is required for the workers that will be working at the lower levels. This will permit the start of the interior walls and installation of systems.



Other work that has continued to progress this month includes the setting of wall forms for the perimeter foundation walls and the associated reinforcement steel and concrete. This work has progressed to the point where only one major perimeter wall placement remains to be placed in



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addition to the walls of the Transformer Yard. The foundations for the Transformer Yard walls will be placed early in July and followed closely with the wall construction.

Concrete slabs at the Basement Level started this month with slabs being placed on the north and west sides of the Basement Level. Wall forms for the Generator and Fuel Storage Rooms (Photo below) are in place and reinforcement steel has commenced with concrete placement scheduled in July. The placement of these walls will prepare the area for the next slab-on-grade. Placement of the vertical rebar for the interior concrete columns continued this month and concrete has been completed in all but a few at this time. The same is true for the remaining spread footings in the Loading Dock area.



***Generator Room Wall Forms***

In addition to the walls, the underground collection and storage tanks have been placed and will permit the grading to occur for the slab. This work includes the associated plumbing and electrical for the tanks. In the Transformer Yard, the plumbing and conduit raceways have been installed and the transformer vaults set to receive and distribute the permanent power to the facility.



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*Transformer Yard Foundations*



*Temporary Column Connections*



*Sand-Oil Interceptor Tank*



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## **Design & Construction Activities Completed This Period**

- Commissioning Team Work session for review of design comments
- Start of Steel Erection – 16 June 2014
- Continuation of Shotcrete for perimeter foundation walls
- Completion of rebar for the west Foundation Walls and start of south wall
- Setting of the Sand-Oil Interceptor and Bio-Hazard Tank
- Installation of the Temporary Personnel & Material Hoist
- Issued Design Document Package 10 for the next Phase of the Structural Design
- Commenced concrete slab-on-grade construction

## **Activities for Next Period**

- Complete perimeter shotcrete for Foundation Walls
- Commence forms and rebar for the interior concrete Shear Walls
- Complete erection and weld-out of the steel through Level 2

## **Project Milestones**

- Placed first Slab-on-Grade – 10 June 2014
- Start Steel Erection – 16 June 2014
- Set San-Oil Interceptor – 26 June 2014
- Set the Bio-Hazard Tank – 30 June 2014

## **Sustainability Features:**

A new topic will be presented next month.