

**City of Redondo Beach
 Stormwater Pollution Prevention Program**

Project Address:	514 Prospect Ave (Beach Cities Health District redevelopment)		
Prepared By:	Labib Funk +Associates		
Address:	319 Main St. El Segundo, California		
Date:	04/11/2022	Reviewed By:	Saila Potukuchi
Comments:			
LID comments:			
<ol style="list-style-type: none"> 1. Per requirements outlined in current Los Angeles Regional Water Quality Control Board Order No. R4-2012-0175, NPDES NO. CAS004001, the site is required to retain on-site the Stormwater Quality Design Volume (SWQDv) defined as the runoff from: a) the 0.75 inch 24-hour rain event or b) the 85th percentile, 24-hour rain event as determined from the Los Angeles County 85 percentile precipitation isohyetal map, whichever is greater. Show calculations and equations used for both methods and use the greater as the SWQDv. 2. LID Plans shall include a grading plan with detailed drainage routes and water quality improvements shown, including all BMPs with sizing and location details (depth, engineered calculated dimensions, aggregate type, etc.). 3. Clearly show the sub watershed boundaries with flow lines for each individual BMP's and demonstrate how the BMPs meet the LID requirement (with detailed calculations with BMPs). Provide the Site-specific BMP size, type and manufacturers details with the volume requirement (SWQDv). 4. Clearly show the existing utilities and proposed stormdrain system and the outlet locations. 5. Additional BMP details with elevations/invert for inflow and outflow pipes and exact sizing will be required on plans submitted for Engineering and Building permits; including but not limited to Torrent Drywell and other drainage improvements. Roof downspouts with flow routes into BMPs shall be shown on plans. 6. Clearly show the drainage areas and the flow routes for the offsite system. 7. Clearly show the subterranean drains routed to sanitary sewer system. 8. Additional comments may be provided once LID BMPs are incorporated on plans submitted for Engineering and Building Permits. 			

Hydrology Comments:

1. Provide Hydrology Report. The stormwater emanating from the project site tributary to the City of Redondo Beach shall drain directly into the storm drain at a rate of no more than one (1) cubic foot per second, per acre of a site. Provide hydrology/ hydraulic calculations for design storm -25 years.
2. Show adequate topography to identify the watershed area and the tributary areas discharge to both the City of Torrance and the City of Redondo Beach drainage system for both existing and proposed condition.
3. Show proposed and existing drainage patterns including all drainage devices and storm drain improvements and provide Q25 for each discharge location and tributary area for each existing and proposed stormdrain system.
4. Obtain City of Torrance approval for stormwater discharge requirement for their tributary area.
5. Provide the Sump Pump Hydrology and Hydraulic calculation for outlet discharge pipe. Sump Pump need to be designed by **Registered Civil Engineer**.