



RESPONSE TO DEVELOPMENT OF PLANNING REQUIREMENTS.

- R1A: THE SITE RUN-OFF IN THE POST DEVELOPMENT STATE IS LESS THAN THE EXISTING SITE RUN-OFF. REFER TO 'DRAINS' MODEL RESULTS.
- STORM WATER: THIS PROPOSAL DOES NOT INVOLVE BUILDING OVER THE EXISTING STORM WATER RUN-OFF. THE PROPOSED STORM WATER RUN-OFF IS PROPOSED TO BE DIRECTLY TO THE EXISTING SECTION OF THE STORM WATER LINE. THE TERMINATION OF THE LINE CAN BE CARRIED OUT ONCE THE NEW LINE IS CONSTRUCTED & COMMISSIONED.
- A TREATMENT TRAIN APPROACH IS DEVELOPED TO ACHIEVE THE WATER QUALITY OBJECTIVES AS FOLLOWS:
 - RAIN GARDEN / BIO-RETENTION PONDS TO TREAT MOST OF THE SITE'S RUN-OFF.
 - CROSS POLLUTANT TRAPS AT THE DISCHARGE FROM THE SITE.
- COUNCIL: FLOOD STUDY FOR THE HAWTHORNE CANAL & THE LOCAL FLOOD ZONE FOR THE DUNE AS PER COUNCIL'S RECORDS.

DRAINAGE AND WATER SERVICES LAYOUT - GROUND FLOOR

AMENDMENTS/REVISIONS	
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ENGINEER
HYDRAULIC SERVICES
UPPER GROUND FLOOR
STORMWATER SERVICES LAYOUT

DATE
Mar '11

SCALE
1:250

REVISION
N09612-DA-H02 05