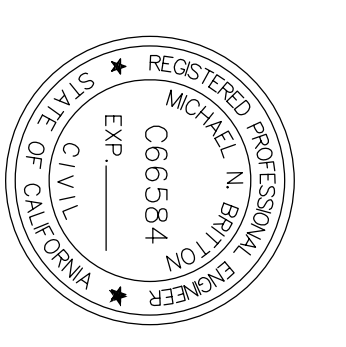


REUSE OF DOCUMENTS
 THIS DOCUMENT IS THE PROPERTY OF GREEN001 CONSULTANTS AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN PERMISSION OF GREEN001 CONSULTANTS.

NO.	DATE	DESCRIPTION



CIVIL ENGINEERING CONSULTANTS

TEC

4115 Broad Street, Suite B-1 SLO, CA 93401
 Ph. (805) 541-2114, Fax (805) 541-2132

CITY OF GROVER BEACH

PRELIMINARY STORM DRAIN PLAN

APN - 060-181-056 & 060-081-059
 1740 & 1748 NEWPORT AVE.
 GROVER BEACH, CA
 FOR CARMEN GREEN

JOB NO.	GREEN001
DATE	2-18-07
VERT. SCALE	AS NOTED
HORIZ. SCALE	1" = 20'
DRAWN BY	BAF
CHECKED BY	CAC
APPROVED BY	MB
SHEET	2
OF	2
SHEETS	

BASIN CALCULATIONS
 (PER GROVER BEACH STANDARDS FOR A FINING BASIN)
 IMPERVIOUS AREA / 3 = REQUIRED BASIN VOLUME (FT³)
 PROPOSED IMPERVIOUS AREA = 16,664 FT²
 REQUIRED STORAGE = INCREASE IN IMPERVIOUS AREA / 3
 = 16,664 / 3 = 5,554 FT³
 2.44" PIPE @ 12.5 FT²/FT x 160 FT x 2 = 4,000 FT³
 GRAVEL BED = 8,664 FT³ x 20.0% VOID RATIO = 1,693 FT³
 TOTAL RETENTION = 4,000 FT³ + 1,693 FT³ = 5,693 FT³
 5,693 FT³ > 5,554 FT³ -----> OK

NOTE
 * STORM DRAIN PIPE SHALL BE 36" PVC SMOOTH WALL OR EQUAL.
 * ALL ROOF WATER SHALL BE COLLECTED IN A GUTTER SYSTEM AND DISCHARGED DIRECTLY TO THE STORM DRAIN PIPE SYSTEM. ROOF WATER SHALL NOT BE DISCHARGED IN SUCH A MANNER THAT IT IS COLLECTED IN THE STORM DRAIN INLETS.

DRAINAGE NOTE
 * ALL DRAINAGE FROM IMPERVIOUS SURFACES SHALL BE DIRECTED TO THE NEW SUBSURFACE RETENTION FACILITY WHERE FEASIBLE USING CATCH BASINS AS SHOWN.
 * A BLANKET DRAINAGE FACILITY IS HEREBY CREATED OVER ALL PARCELS EXCEPTING AREAS OCCUPIED BY BUILDINGS.

