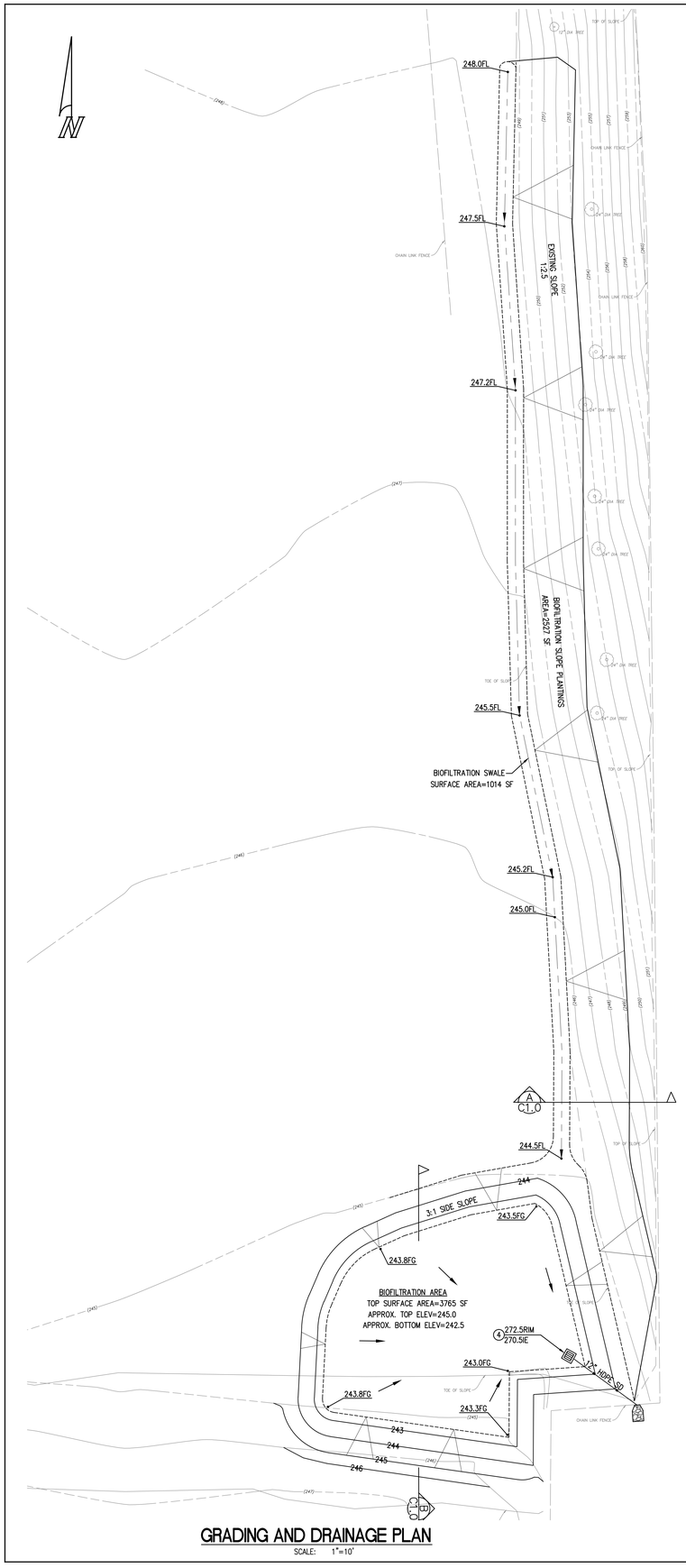
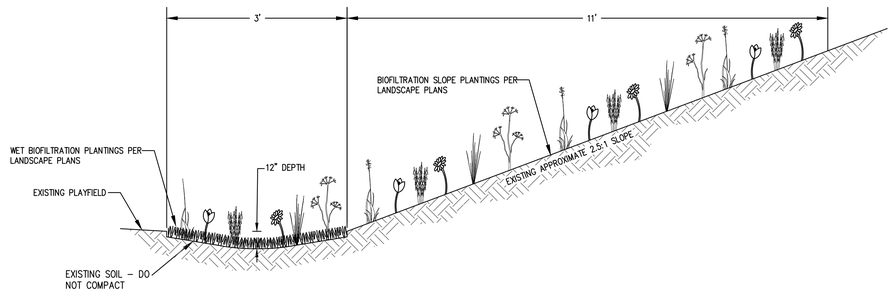


GRADING AND DRAINAGE PLAN

SCALE: 1"=10'

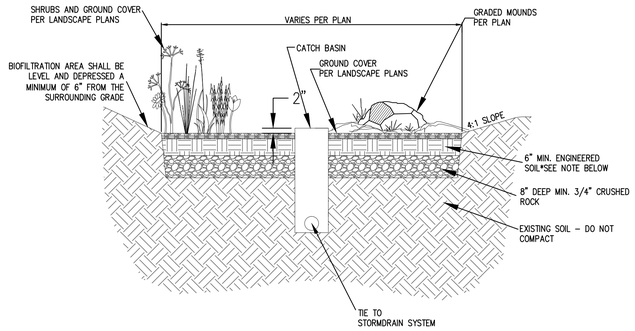
10 5 0 10 20

SCALE IN FEET
1 inch = 10 ft.



A C1.0 BIOFILTRATION SWALE SECTION

SCALE: 1"=1'

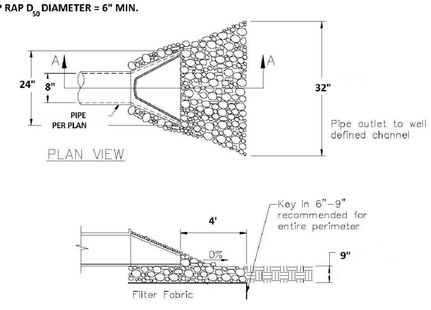


*BIORETENTION ENGINEERED SOIL LAYER SHALL BE MINIMUM 6' DEEP SANDY LOAM SOIL MIX WITH NO MORE THAN 5% CLAY CONTENT. THE MIX SHALL CONTAIN 50-60% SAND, 20-30% COMPOST OR HARDWOOD MULCH, AND 20-30% TOPSOIL.

B C1.0 BIOFILTRATION AREA SECTION

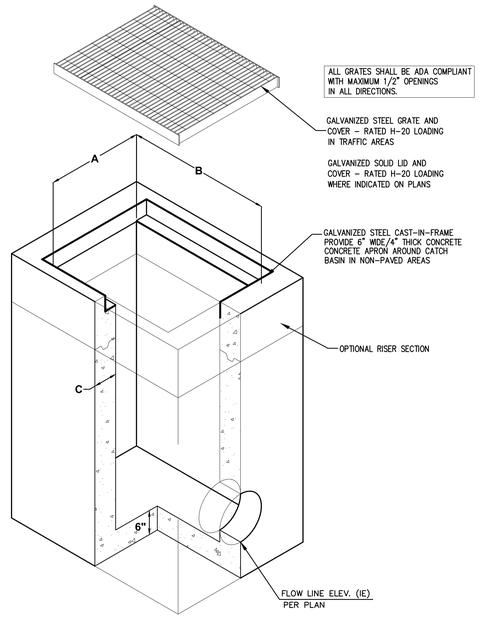
SCALE: 1"=1'

RIP RAP D_{50} DIAMETER = 6" MIN.



C C1.0 RIP RAP OUTLET PROTECTION

NOT TO SCALE



SIZE	A	B	C	WEIGHT CALC - LBS.
12"X12"	12"	12"	4"	208 (BASE) + 266 VF
18"X18"	18"	18"	5"	602 (BASE) + 604 VF
24"X24"	24"	24"	6"	675 (BASE) + 750 VF

FOR COMPLETE DESIGN AND PRODUCT INFORMATION CONTACT JENSEN PRECAST OR BROOKS PRODUCTS INC.

D C1.0 PRE-CAST CATCH BASIN

NO SCALE

GRADING AND DRAINAGE NOTES:

1. REMOVE EXISTING VEGETATION AND MULCH IN NEW BIOFILTRATION AREA. REFER TO LANDSCAPE AND IRRIGATION PLANS FOR REMOVAL LIMITS
2. RIP RAP OUTLET PROTECTION PER DETAIL 1, THIS SHEET
3. INFILTRATION AREA – DO NOT COMPACT. AVOID VEHICLES AND HEAVY EQUIPMENT OVER INFILTRATION AREA AND WITHIN 10'.
4. LIMIT OF BIOFILTRATION AREA PLANTINGS. REFER TO LANDSCAPE PLANS.
5. NEW 24"X24" PRE-CAST CATCH BASIN PER DETAIL D, THIS SHEET

CIVIL LEGEND

NOTE: REFER TO SHEET T1.0 FOR LEGEND OF EXISTING CONDITIONS ON TOPOGRAPHIC SURVEY

PROPOSED CONSTRUCTION

SYMBOL	DETAIL	DESCRIPTION
1.5%		SLOPE DIRECTION
		HDPE STORM DRAIN (ADS N-12 OR APPROVED EQUAL)
	DETAIL C, THIS SHEET	RIP RAP OUTLET PROTECTION
100.00		SPOT ELEVATION
		GRADED SLOPE
	DETAIL D, THIS SHEET	PRE-CAST CATCH BASIN

Job:
Drawn: CAR
Checked: DVC
Date: DECEMBER 1, 2017
Revisions:

Consultant

REGISTERED PROFESSIONAL ENGINEER
CHRISTIE A. RADFORD
No. 64472
Exp. 06-30-19
CIVIL
STATE OF CALIFORNIA
Engineer

WC-AE
WEBB-CLEFF ARCHITECTURE & PLANNING, INC
331 Encinitas Blvd, Suite 114, Encinitas, California 92024
Telephone: (760)753-4800 Fax: (760)452-7541
Architect

LA COSTA HEIGHTS ELEM. SCHOOL
ATHLETIC FIELD BMP
D.R.O.P.S. PROJECT
ENCINITAS UNIFIED SCHOOL DISTRICT

GRADING AND DRAINAGE PLAN

Job:

C1.0