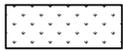
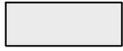


APPENDIX I
Stormwater Management Plan

STORMWATER MANAGEMENT PLAN LEGEND

-  PROPOSED PERVIOUS AREA
-  PROPOSED IMPERVIOUS AREA
-  BIO-RETENTION AREA $\frac{1}{SW-2}$
-  DRAINAGE AREA BOUNDARY
-  FLOW LINE
-  FLOW DIRECTION

HYDROMODIFICATION NOTE:

THE PROJECT IS EXEMPT FROM HYDROMODIFICATION REQUIREMENTS PER THE SANTA CLARA COUNTY C.3 TECHNICAL GUIDANCE DOCUMENT. THE PROJECT IS EXEMPT FROM HYDROMODIFICATION DUE TO IMPERVIOUS AREA ADDED OR REPLACED BEING LESS THAN 1 ACRE.

SITE TREATMENT AREA NOTE:

THIS PROJECT IS REPLACING MORE THAN 50% OF THE EXISTING IMPERVIOUS AREA AND THEREFORE MUST TREAT THE ENTIRE SITE.

STORMWATER MANAGEMENT NOTES:

1. THIS PLAN PRESENTS METHODS AND CALCULATIONS FOR COMPLYING WITH THE REQUIREMENTS OF PROVISION C.3 OF THE MUNICIPAL REGIONAL STORMWATER PERMIT IN ACCORDANCE WITH THE SANTA CLARA COUNTY PROGRAM AND THE CITY OF SARATOGA REQUIREMENTS.
2. THE FOLLOWING TREATMENT MEASURES ARE PROPOSED TO REGULATE THE QUALITY OF STORM WATER LEAVING THE SITE.
 - 2.1. SELF-TREATING AREA - RUNOFF IN THIS AREA ORIGINATES IN AND FLOWS THROUGH PLANTING PRIOR TO EXITING THE PROJECT SITE, NO TREATMENT IS REQUIRED
 - 2.2. BIO-RETENTION AREA - RUNOFF IN THIS AREA IS DIRECTED TO A BIO-RETENTION PLANTER/AREA FOR FILTRATION, INFILTRATION AND EVAPOTRANSPIRATION PRIOR TO EXISTING THE SITE. PLANTING AND SOIL REQUIREMENTS APPLY, SEE DETAIL.
 - 2.3. SUBSURFACE INFILTRATION SYSTEM - RUNOFF IN THIS AREA IS DIRECTED TO A SUBSURFACE INFILTRATION SYSTEM FOR STORAGE AND INFILTRATION PRIOR TO EXISTING THE SITE.

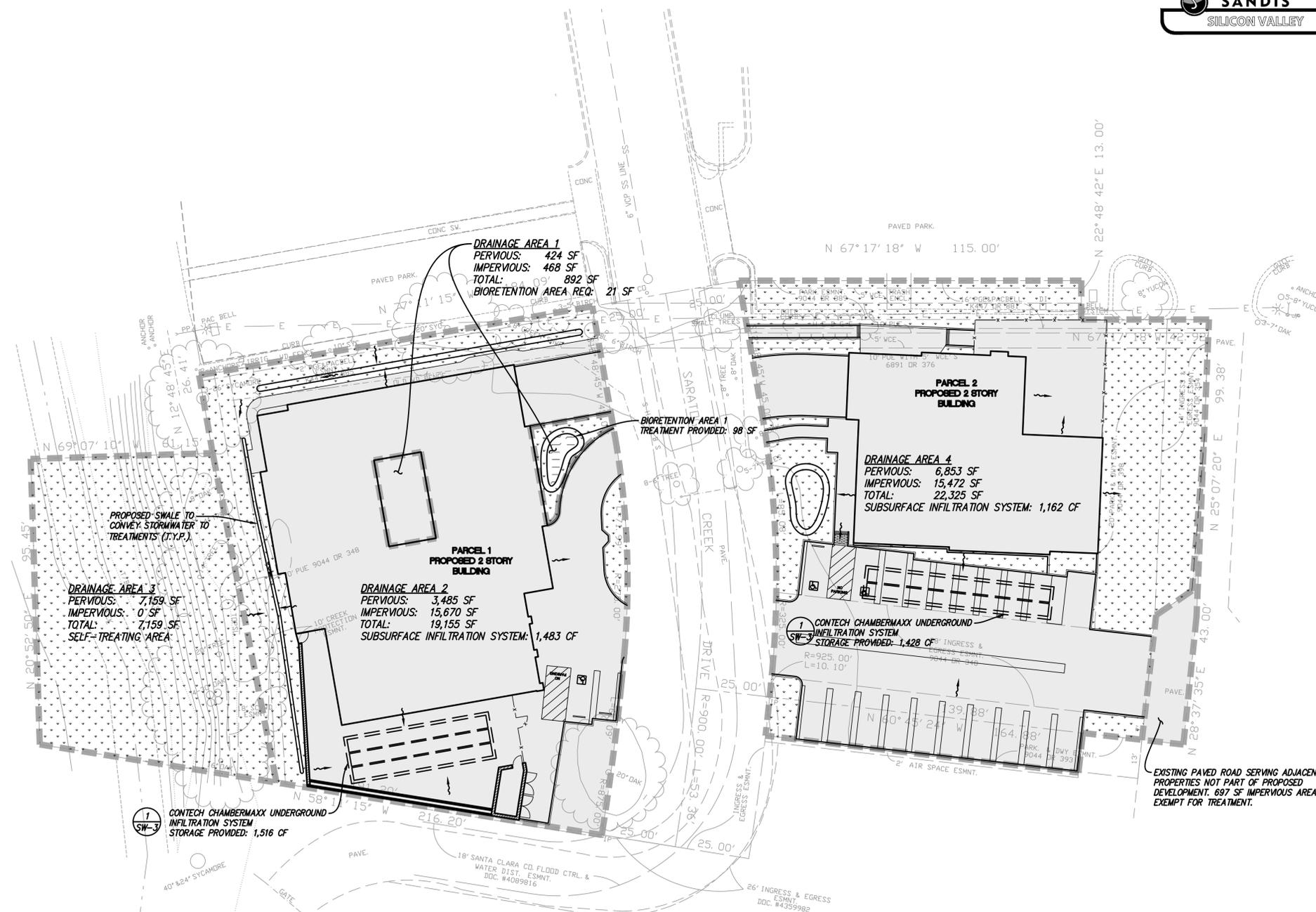
C.3 STORMWATER TREATMENT MEASURES:

PARCEL 1

Drainage Area	TOTAL AREA		IMPERVIOUS AREA		PERVIOUS AREA		Percent Impervious	Net Impervious	Net Runoff Coefficient, c	Q (cfs) Required	Treatment Area	C.3 LID Method	Treatment Provided (sf)
	sq. ft.	Ac.	sq. ft.	Ac.	sq. ft.	Ac.							
Treatment (Flow/Volume Calculation)													
1	892.0	0.02	424.0	0.01	468	0.01	47.5%	424.0	0.585	0.002	21	BRA	98
2	19,155.0	0.44	15,670.0	0.36	3,485.0	0.08	81.8%	15,670.0	0.791	0.070	1,483	SIS	1,516

PARCEL 2

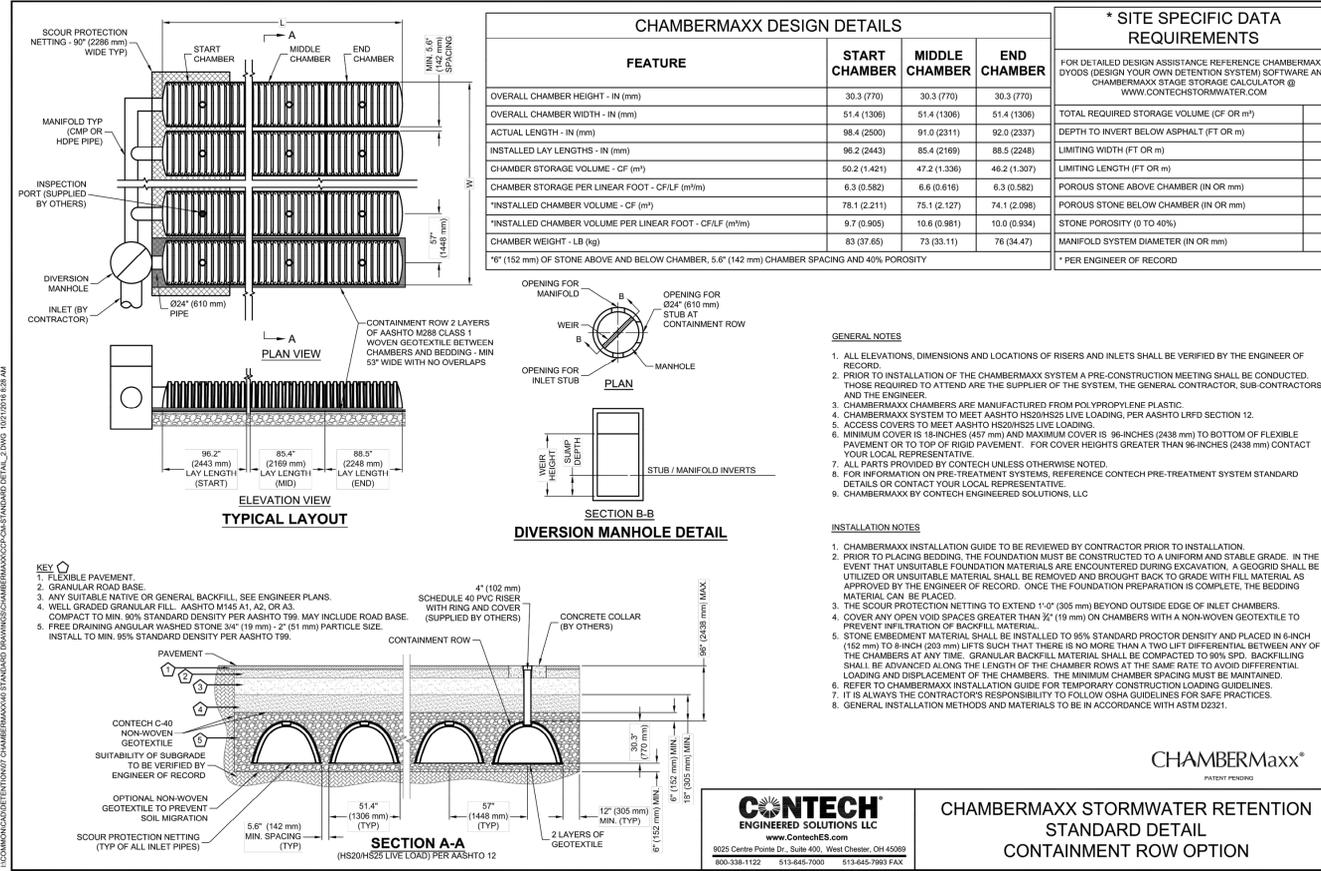
Drainage Area	TOTAL AREA		IMPERVIOUS AREA		PERVIOUS AREA		Percent Impervious	Net Impervious	Net Runoff Coefficient, c	Q (cfs) Required	Treatment Area	C.3 LID Method	Treatment Provided (sf)
	sq. ft.	Ac.	sq. ft.	Ac.	sq. ft.	Ac.							
Treatment (Flow/Volume Calculation)													
3	22,325.0	0.51	15,472.0	0.36	6,853.0	0.16	69.3%	15,472.0	0.716	0.073	1,356	SIS	1,428



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SUBSURFACE INFILTRATION SYSTEM DETAILS

N.T.S.

1

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DRAWING NO.: 217040

DATE: _____, 2018
CHAD J. BROWNING
R.C.E. NO. 68315, EXPIRES 9-30-19

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**PALM VILLAS SARATOGA CREEK DRIVE
STORM WATER MANAGEMENT DETAILS
SARATOGA CALIFORNIA**

SHEET
SW3
OF 3 SHEETS
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