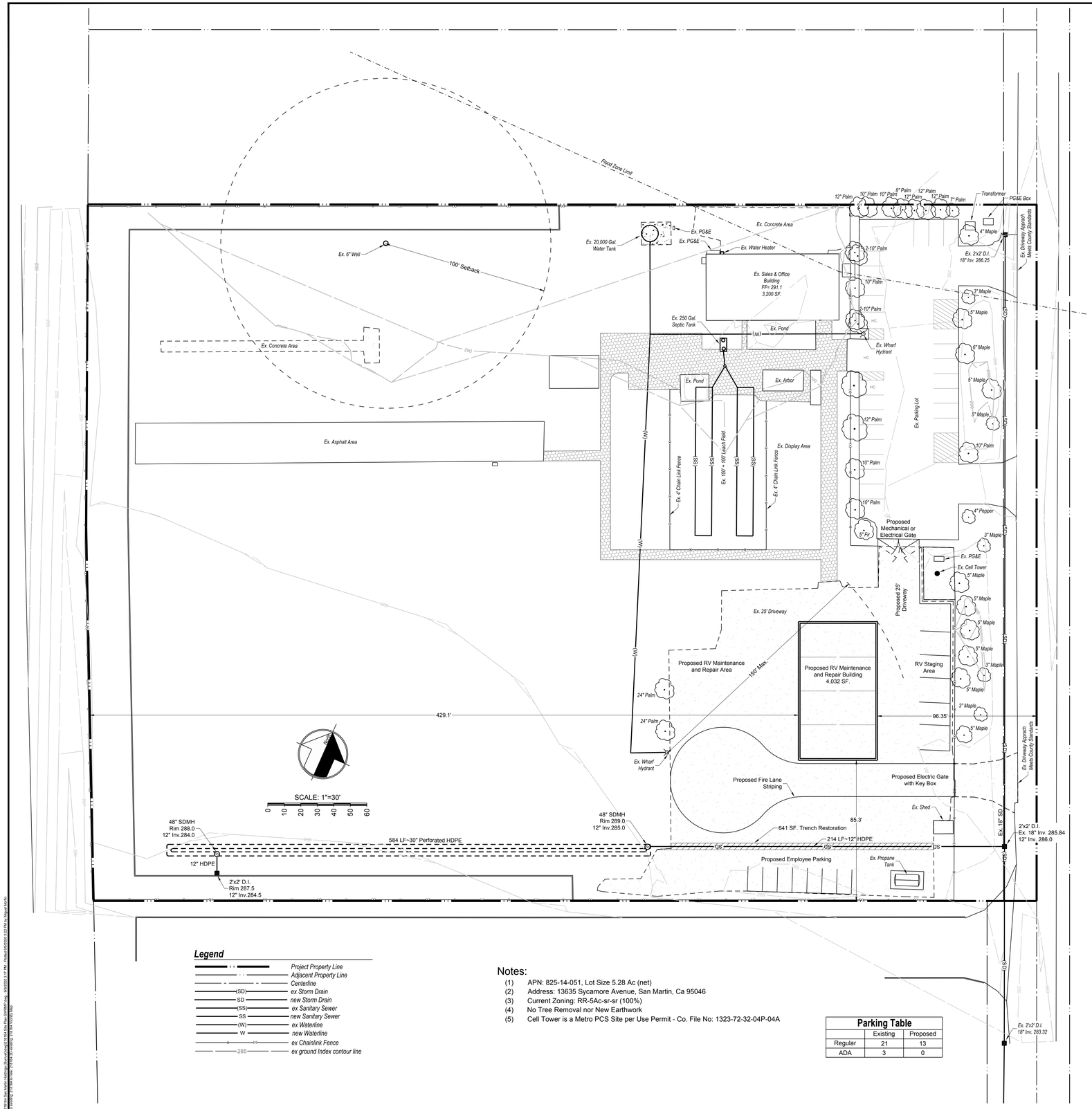

Vicinity Map

PERVIOUS AND IMPERVIOUS SURFACES COMPARISON		
	Project Name	SEE-GRINS AIR STREAM
	MH Project No.	218164

	Existing Condition (sq ft)	%	Proposed Condition (sq ft)	%	Difference (sq ft)	%
Site (acres):	**Site (sq ft):**		**Site (sq ft):**			
4.886	**212,849**	100.00%	**212,849**	100.00%	**0**	0.00%
Building Footprint(s)	3,355	1.58%	6,955	3.27%	**3,600**	1.69%
Parking	35124	16.50%	31524	14.81%	**-3,600**	-1.69%
Sidewalks, Patios, Paths, etc.	9,868	4.64%	9,868	4.64%	**0**	0.00%
Landscaping	34,188	16.06%	34,188	491.56%	**0**	475.50%
Undeveloped	0	0.00%	0	0.00%	**0**	0.00%
Permeable Pavement	144,673	67.97%	144,673	67.97%	**0**	0.00%
Total	**227,208**	106.75%	**227,208**	106.75%	**0**	0.00%
Impervious Surfaces	48,347	22.71%	48,347	22.71%	**0**	0.00%
Pervous Surfaces	178,861	84.03%	178,861	84.03%	**0**	0.00%
Total	**227,208**	106.75%	**227,208**	106.75%	**0**	0.00%

New impervious area is 0 SF < 20000 SF TIER 1 MITIGATION

Note: Fill in the yellow highlighted area only to update the sheet.

"Golden State Assembly" LID - BMP Sizing Calcs

7/31/2018

Proposed BMP No.	BMP Impervious Area		95th Percentile (1.6" Rain) First Flush Volume to Treat (Cu. Ft.)	Proposed BMP Volume (Cu. Ft.)	Native Soil Infiltration Rate (In/Hr.)	BMP Loading Depth (Inches)	BMP Infiltration Duration (Hrs.) ≤ 72
	Public Hardscape (S.F.)	Private Hardscape (S.F.)					
1	0	48,347	6,446	6,630	1	48	48

Project#	**218164**	**Date:**	**12/13/2018**

Volume Calculations
Perforated Pipe Wrapped in 12" Gravel All Around

Required Volume	**6446**

Pipe Diameter (Inch)	Envelope Volume (Ft.^3/Ft.)	Pipe Volume (Ft.^3/Ft.)	40% Void Volume (Ft.^3/Ft.)	Total Volume (Ft^3/Ft.)	Required Pipe Length(Ft.)
24	4.00	3.14	5.14	8.28	778
27	4.25	3.97	5.64	9.61	671
30	4.50	4.91	6.14	11.04	584
33	4.75	5.94	6.65	12.59	512
36	5.00	7.07	7.17	14.24	453
42	5.50	9.62	8.25	17.87	361
48	6.00	12.56	9.38	21.94	294
54	6.50	15.90	10.54	26.44	244
60	7.00	19.63	11.75	31.38	205
72	8.00	28.26	14.30	42.56	151

VOLUME IN BIOSWALE IS 6144 CF
VOLUME IN 12/15 PIPE IS 1143 CF
VOLUME IN 30" PERFORATED PIPE AND ROCK ENCASEMENT IS 4951 CF
TOTAL PROPOSED RETENTIISED RETENTION VOLUME IS 12,238 CF

Legend

- Project Property Line
- Adjacent Property Line
- Centerline
- (SD) ex Storm Drain
- SD new Storm Drain
- (SS) ex Sanitary Sewer
- SS new Sanitary Sewer
- (W) ex Waterline
- W new Waterline
- ex Chainlink Fence
- 285 ex ground Index contour line

Notes:

(1) APN: 825-14-051, Lot Size 5.28 Ac (net)
(2) Address: 13635 Sycamore Avenue, San Martin, Ca 95046
(3) Current Zoning: RR-5Ac-sr-sr (100%)
(4) No Tree Removal nor New Earthwork
(5) Cell Tower is a Metro PCS Site per Use Permit - Co. File No: 1323-72-32-04P-04A

Parking Table		
	Existing	Proposed
Regular	21	13
ADA	3	0

09/06/2083 3:47pm
FOR PLANCHECK ONLY
REGISTERED PROFESSIONAL ENGINEER
WILLIAM J. McCLINCHEY
No. 24893
EXP 12-31-2019
STATE OF CALIFORNIA
FOR PLANCHECK ONLY
signature shall be provided upon approval

MH engineering Co.
Morgan Hill, CA 95037
16075 Vineyard Boulevard

Site Plan / SWRMP

See-Grins/San Martin SG Holdings LLC

DATE: 12-13-18
SCALE: 1" = 30'
DRAWN BY: MM
CHECKED BY: WJM

JOB NO. 218164

SHEET 1 OF 1

Drawings and Specifications as instruments of service are and shall remain the property of MH Engineering Co. whether the project for which they are made is executed or not. The visual contents of these documents are not to be used in whole or part for any other project without written authorization of MH Engineering Co. 09/12/2083 3:47 PM - Plotted 9/6/2083 3:47 PM by Roger Martin