

Drainage Basin #1

Area (Acres)	Area (Sq Ft)	Area (Acres)	Area (Acres)
Total Lot Area:	109937	2.82	
Area (Acres)		2.82	

Ratio of Catchment = 0.1
Unit Discharge (cfs/ac-in) = 2.3
100 yr rainfall (in) = 3.18

PROPOSED DEVELOPMENT

CH	Area (Sq Ft)	Area (Acres)	% Area	CH	
Total Roof Area	95	5380	0.12	4.85%	4.85
Landscaping Area	56	2900	0.05	0.20%	0.20
Private Sidewalks	56	40982	0.38	26.71%	34.88
Street Sidewalks	56	15982	0.35	13.66%	17.32
Driveway Areas	56	0	0.00%	0.00	0.00
Undeveloped Area	88	109937	2.82	100.00%	88.38
Total					88.38

Weighted CH: 88

POST DEVELOPMENT

CH	Area (Sq Ft)	Area (Acres)	% Area	CH	
Total Roof Area	95	5380	0.12	2.11%	2.11
Landscaping Area	79	40745	0.37	27.87%	29.18
Private Sidewalks	56	40982	0.38	26.71%	34.88
Street Sidewalks	56	15982	0.35	13.66%	17.32
Driveway Areas	56	0	0.00%	0.00%	0.00
Undeveloped Area	88	109937	2.82	100.00%	36.38
Total					81.37

Weighted CH: 81

Runoff, Q (cfs): 2.01
Peak Discharge (cfs): 11.86
Volume of Runoff (cu-ft): 14262
Volume (MG): 0.51
Storage Volume Required (cft): 1724
Storage Volume Provided (cft): 1726

Drainage Basin #2

Area (Acres)	Area (Sq Ft)	Area (Acres)	Area (Acres)
Total Lot Area:	48078	0.82	
Area (Acres)		0.82	

Ratio of Catchment = 0.1
Unit Discharge (cfs/ac-in) = 3.18
100 yr rainfall (in) = 3.18

PROPOSED DEVELOPMENT

CH	Area (Sq Ft)	Area (Acres)	% Area	CH	
Total Roof Area	56	3180	0.07	7.25%	7.24
Landscaping Area	56	22600	0.47	5.10%	5.10
Private Sidewalks	56	9858	0.13	14.63%	15.90
Street Sidewalks	56	17174	0.35	26.60%	28.13
Driveway Areas	56	0	0.00%	0.00%	0.00
Undeveloped Area	88	48078	0.82	100.00%	88.27
Total					84.27

Weighted CH: 84

POST DEVELOPMENT

CH	Area (Sq Ft)	Area (Acres)	% Area	CH	
Total Roof Area	56	3180	0.06	11.78%	11.88
Landscaping Area	79	10267	0.24	26.44%	29.58
Private Sidewalks	56	9858	0.13	14.63%	15.90
Street Sidewalks	56	17174	0.35	26.60%	28.13
Driveway Areas	56	0	0.00%	0.00%	0.00
Undeveloped Area	88	48078	0.82	100.00%	88.89
Total					89.38

Weighted CH: 89

Runoff, Q (cfs): 1.89
Peak Discharge (cfs): 3.55
Volume of Runoff (cu-ft): 6129
Volume (MG): 0.19
Storage Volume Required (cft): 1344
Storage Volume Provided (cft): 1350

Drainage Basin #3

Area (Acres)	Area (Sq Ft)	Area (Acres)	Area (Acres)
Total Lot Area:	41878	0.55	
Area (Acres)		0.55	

Ratio of Catchment = 0.1
Unit Discharge (cfs/ac-in) = 2.3
100 yr rainfall (in) = 3.18

PROPOSED DEVELOPMENT

CH	Area (Sq Ft)	Area (Acres)	% Area	CH	
Total Roof Area	56	0	0.00%	0.00%	0.00
Landscaping Area	56	1250	0.00	0.00%	0.00
Private Sidewalks	56	0	0.00%	0.00%	0.00
Street Sidewalks	56	0	0.00%	0.00%	0.00
Driveway Areas	56	0	0.00%	0.00%	0.00
Undeveloped Area	88	41878	0.55	100.00%	87.73
Total					87.73

Weighted CH: 88

POST DEVELOPMENT

CH	Area (Sq Ft)	Area (Acres)	% Area	CH	
Total Roof Area	56	14800	0.34	33.31%	33.35
Landscaping Area	79	25789	0.59	47.26%	48.20
Private Sidewalks	56	0	0.00%	0.00%	0.00
Street Sidewalks	56	0	0.00%	0.00%	0.00
Driveway Areas	56	0	0.00%	0.00%	0.00
Undeveloped Area	88	41878	0.55	100.00%	65.80
Total					83.55

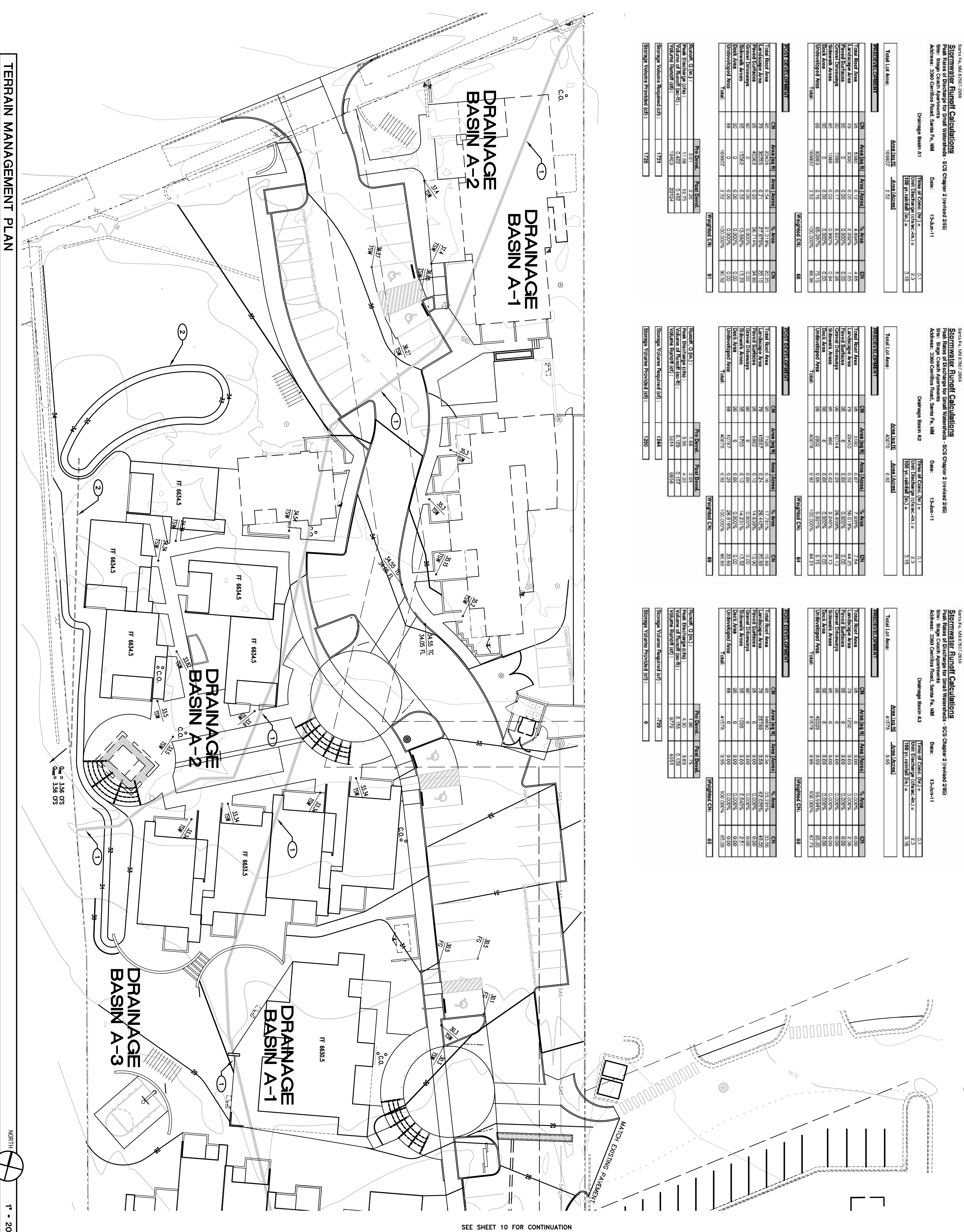
Weighted CH: 83

Runoff, Q (cfs): 1.96
Peak Discharge (cfs): 4.30
Volume of Runoff (cu-ft): 6129
Volume (MG): 0.19
Storage Volume Required (cft): 729
Storage Volume Provided (cft): 0

General Notes

- INFORMATION SHOWN IS FOR THE GRADING AND DRAINAGE PLAN ONLY, AND NOT TO BE USED FOR SIZING PURPOSES. SEE SITE PLAN FOR ACTUAL LOCATION OF IMPROVEMENTS.
- ALL EXISTING TOPOGRAPHIC SURVEY DATA SHOWN ON THESE PLANS HAS UNDERGONE NO FIELD VERIFICATION OF THIS INFORMATION, AND MAKES NO REPRESENTATION PERTAINING THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFOR.
- IF ANY UTILITY LINES, PIPELINES OR UNDERGROUND UTILITY LINES ARE SHOWN ON THE DRAWING, THEY ARE SHOWN IN APPROXIMATE MANNER ONLY. UTILITY LINES MAY EXIST WHERE NONE ARE SHOWN. IF ANY INFORMATION PROVIDED BY THE UTILITY OR PIPELINE COMPANY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, DEPTH, SIZE OR TYPE OF EXISTING ABOVE AND UNDERGROUND UTILITIES, AND EXISTING PIPELINES, IN AND NEAR THE UNDERGROUND UTILITY LINES, AND FULLY RESPONSIBLE FOR ANY DAMAGE CAUSED BY HIS FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING ABOVE AND UNDERGROUND UTILITIES, AND EXISTING PIPELINES. THE CONTRACTOR IS URGED TO COMPLY WITH STATE AND LOCAL REGULATIONS AND ORDINANCES REGARDING THE LOCATION OF THESE LINES, IN PLANNING AND CONDUCTING EXCAVATION WORK.
- THE ENGINEER HAS UNDERTAKEN NO FIELD VERIFICATION OF THE LOCATION, DEPTH, SIZE OR TYPE OF EXISTING ABOVE AND UNDERGROUND UTILITY LINES, PIPELINES, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFOR. THE CONTRACTOR SHALL INFORM HIMSELF OF THE LOCATION OF ANY EXISTING ABOVE AND UNDERGROUND UTILITIES, AND EXISTING PIPELINES, IN AND NEAR THE UNDERGROUND UTILITY LINES, AND FULLY RESPONSIBLE FOR ANY DAMAGE CAUSED BY HIS FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING ABOVE AND UNDERGROUND UTILITIES, AND EXISTING PIPELINES. THE CONTRACTOR IS URGED TO COMPLY WITH STATE AND LOCAL REGULATIONS AND ORDINANCES REGARDING THE LOCATION OF THESE LINES, IN PLANNING AND CONDUCTING EXCAVATION WORK.

- Keyed Notes**
- BOUNDARY OF DRAINAGE BASIN
 - DETENTION POND, VOL. = 1260 CU. FT.
 - RAIN PIPE



TERRAIN MANAGEMENT PLAN

NORTH
1" = 20'

SEE SHEET 10 FOR CONTINUATION

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STAGE COACH APARTMENTS

PROJECT ARCHITECT:
BOB HALL, AIA

PROJECT #:
IDA-10-16-P

DATE:
AUGUST 15, 2011

TERRAIN MANAGEMENT PLAN - NORTH

BY: JEC, JRC
FILE: 2214GRD.DWG
PLOT DATE: 8/11/2011 1:05:55 PM

SHEET 9 OF 14