




MASTER DEVELOPMENT DRAINAGE PLAN AMENDMENT
FOR
STETSON RIDGE

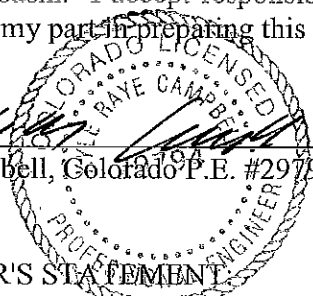
STATEMENT

ENGINEER'S STATEMENT:

The attached drainage letter was prepared under my direction and supervision and is correct to the best of my knowledge and belief. Said drainage letter has been prepared according to the criteria established by the City for drainage reports and said letter is in conformity with the master plan of the drainage basin. I accept responsibility for any liability caused by any negligent acts, errors, or omissions on my part in preparing this report.

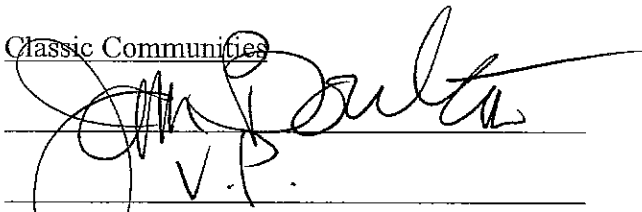

Kyle R Campbell, Colorado P.E. #29794

12-8-08
Date



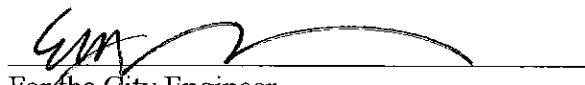
DEVELOPER'S STATEMENT:

I, the developer, have read and will comply with all of the requirements specified in this drainage report and plan.

Business Name: Classic Communities
By: 
Title: V.P.
Address: 6385 Corporate Drive Suite 200
Colorado Springs CO 80919

CITY OF COLORADO SPRINGS ONLY:

Filed in accordance with Section 7.7.906 of the code of the City of Colorado Springs, 2001, as amended.


For the City Engineer
Conditions:

12/9/08
Date



December 8, 2008



City of Colorado Springs
Subdivision Engineering Review Team
30 South Nevada, Suite 702
Colorado Springs, CO 80903

ATTN: Mrs. Elizabeth Nijkamp

RE: Master Development Drainage Plan Amendment for Stetson Ridge.

Dear Elizabeth:

Please consider this the Master Development Drainage Plan Amendment for Stetson Ridge. This letter is intended to amend the existing MDDP Amendment that was completed by Classic Consulting Engineers & Surveyors, LLC (CCES) titled "The Final Drainage Report for Indigo Ranch at Stetson Ridge Filing No. 3 & 4 and Master Development Drainage Plan Amendment for Stetson Ridge" dated April 2005. That amendment amended the original drainage report for Stetson Ridge titled "Master Development Drainage Plan for Stetson Ridge" by Leigh Whitehead & Associates, Inc. dated January, 2001. This amendment is being written to coincide with a Master Plan Amendment that is currently being processed through City Planning. This Master Plan Amendment reduces the original 21 acres of community park north of Dublin Blvd. to 3.5 acres and added 2 acres of land dedicated to a new Colorado Springs Fire Station and 15.5 acres of single family residential 3.5-7.99 DU/AC. These changes occur in the area of Stetson Ridge north of Dublin Blvd, adjacent to Sand Creek.

A portion of Basin OS-0 has been changed from 7.42 acres of community park and roadway in the previous CCES MDDP amendment to 7.81 acres of single family residential and roadway ($Q_5 = 16$ cfs, $Q_{100} = 33$ cfs).

Previous CCES MDDP amendment Basin OS-6 has been split into OS-6 and FIRE. OS-6 contains community park area and has been reduced from 15.06 acres to 3.50 acres ($Q_5 = 5$ cfs, $Q_{100} = 15$ cfs). Basin FIRE was created to indicate the area for the new Colorado Springs Fire Station. This basin is 2 acres ($Q_5 = 8$ cfs, $Q_{100} = 15$ cfs).

Per the approved storm sewer drawings for Dublin Blvd. Filing No. 2 Storm Sewer plans, there is 42" RCP storm sewer stub on the north side of Dublin Blvd provided to intercept flows from the future development to the north. This includes Basins OS-0 and FIRE as well as Basin OS-5. This 42" RCP storm sewer is at 4.75% slope and is labeled in the provided map as Pipe Run 50 ($Q_5 = 48$ cfs, $Q_{100} = 98$ cfs). This is an increase in flows from the previous Pipe Run 50 ($Q_5 = 27$ cfs, $Q_{100} = 55$ cfs). The overall impact to the ultimate discharge of this system is at previous CCES MDDP amendment Pipe Run 78. Per this amendment flows discharging into Sand Creek at this existing 84" RCP storm sewer is now ($Q_5 = 285$ cfs, $Q_{100} = 560$ cfs). Per the previous MDDP, this outfall was to discharge ($Q_5 = 269$ cfs, $Q_{100} = 526$ cfs). Flows to this point are higher than anticipated within previous MDDP amendment. The moderate increase in flows to this point shall have little to no adverse affects to the Sand Creek Drainage Channel. The storm systems are already installed and the moderate increase in flows can be handled by the existing system.



Basin Fire ($Q_5 = 8$ cfs, $Q_{100} = 15$ cfs) contains 2 acres of the future proposed City of Colorado Springs Fire Station. Flows will be directed to the existing 42" RCP storm sewer stub at Design point 50.

Basin OS-6 ($Q_5 = 5$ cfs, $Q_{100} = 15$ cfs) consists of developed flows from a future community park site. The previous CCES MDDP amendment included portions of Dublin Blvd within Basin OS-6. This portion of Dublin Blvd is outside of the Stetson Ridge Master Plan boundary and has already been included in the Ridgeview Subdivision MDDP by JR Engineering amendment dated September 2004. Those portions of Dublin Blvd have been removed from this proposed amendment. The anticipated runoff from the area will be directed towards Sand Creek via a roadside ditch that was created with the existing Sand Creek Channel Improvements. See the Creek Improvement Plans by JR Engineering. Flows from the future community park will be collected in a possible future storm system and discharged into the existing ditch. This includes flows from the future private park entry road north of the intersection of Peterson Road and Dublin Blvd. The community park will require a Final Drainage report to determine the exact system layout.

Basin OS-6A ($Q_5 = 3$ cfs, $Q_{100} = 7$ cfs) consists of 1.12 acres of residential acreage that currently flows into the future planned community park. Depending on future grading and site layout, this 1.12 acres of residential will be routed to Sand Creek rather than added to flows from the community park. Upon development of Basin OS-6A a final drainage report will be required.

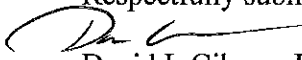
Basin OS-0A (10.23 acres) ($Q_5 = 20$ cfs, $Q_{100} = 42$ cfs) is the remainder of the additional single family residential area from the previous 21 acre community park. This portion of the future residential area is to discharge into Sand Creek north of Dublin Blvd. This Basin was shown in the Master Development Drainage Plan for Stetson Ridge by Leigh Whitehead and Associates dated January 2001 as part of Sub-Basins H4 and H5 for Stetson Ridge. At this time there have been no detailed designs or reports for the improvements to this portion of Sand Creek. Upon development of these northerly residential areas, a MDDP amendment and subsequent Final Drainage Reports will be submitted linking this conveyance system to the future outfall systems into Sand Creek. The Sand Creek Channel improvements for this area will be designed and approved with development of the future areas north of Dublin Blvd that discharge into the northerly portions of Sand Creek. The flows from Basin OS-0A will be taken into account with this system.

Basin OS-F ($Q_5 = 9$ cfs, $Q_{100} = 22$ cfs) contains existing Sand Creek and is designated as open space. This area will remain undeveloped.

No portion of the developed site is within a designated F.E.M.A. 100-year floodplain, indicated on Map No. Flood Insurance Rate Maps (F.I.R.M.) Map Number 08041C 0537F, 008041C 0545F, and 08041C 0543, effective date, March 17, 1997 (See Appendix).

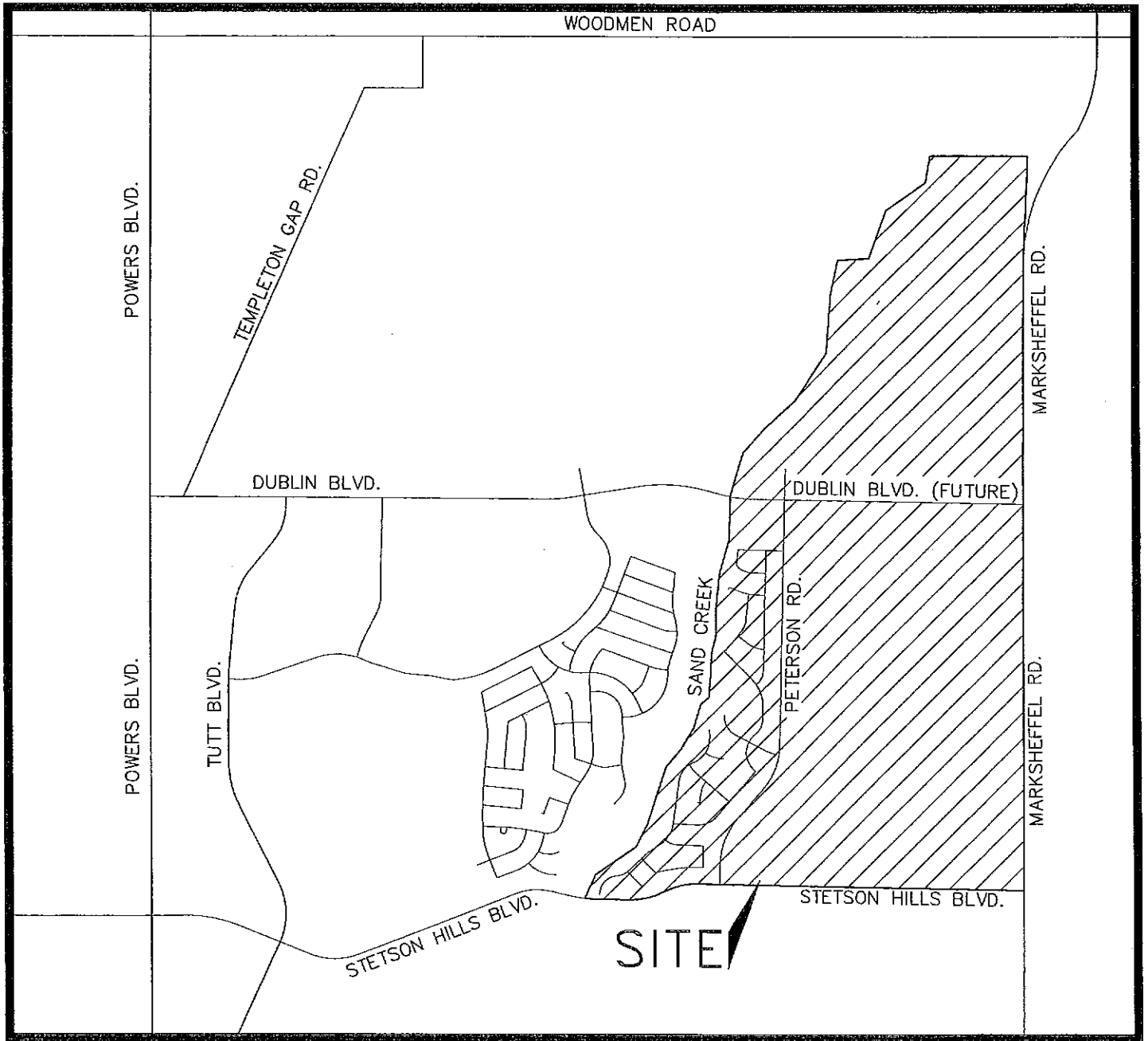
This site lies within the Sand Creek Drainage Basin.

Respectfully submitted,


David L. Gibson, E.I.
Project Engineer



VICINITY MAP



VICINITY MAP
NOT TO SCALE





CALCULATIONS

JOB NAME: MDDP AMENDMENT FOR STETSON RIDGE
 JOB NUMBER: 1016.60
 DATE: 10/29/08
 CALCULATED BY: DLM/DLG

FINAL DRAINAGE REPORT ~ BASIN RUNOFF COEFFICIENT SUMMARY

BASIN	TOTAL AREA (AC)	IMPERVIOUS AREA / STREETS			LANDSCAPE/UNDEVELOPED AREAS			WEIGHTED		WEIGHTED CA	
		AREA (AC)	C(5)	C(100)	AREA (AC)	C(5)	C(100)	C(5)	C(100)	CA(5)	CA(100)
A	2.06	2.06	0.90	0.95	0.50	0.25	0.35	0.77	0.83	1.59	1.72
B	3.45	0.00	0.90	0.95	3.45	0.57	0.67	0.57	0.67	1.97	2.31
C	1.18	0.69	0.90	0.95	0.49	0.55	0.65	0.75	0.83	0.89	0.97
D	1.46	0.00	0.90	0.95	0.93	0.60	0.70	0.60	0.70	0.88	1.02
E	2.35	0.00	0.90	0.95	2.35	0.60	0.70	0.60	0.70	1.41	1.65
F	3.34	0.00	0.90	0.95	3.34	0.55	0.65	0.55	0.65	1.84	2.17
G	2.29	0.00	0.90	0.95	2.29	0.55	0.65	0.55	0.65	1.26	1.49
H	2.20	0.00	0.90	0.95	2.20	0.55	0.65	0.55	0.65	1.21	1.43
I	2.37	0.00	0.90	0.95	0.59	0.55	0.65	0.55	0.65	1.30	1.54
J	1.41	0.00	0.90	0.95	1.41	0.53	0.63	0.53	0.63	0.75	0.89
K	1.28	0.00	0.90	0.95	1.28	0.60	0.70	0.60	0.70	0.77	0.90
L	1.89	0.00	0.90	0.95	1.89	0.52	0.62	0.52	0.62	0.98	1.17
M	1.79	0.00	0.90	0.95	1.79	0.55	0.65	0.55	0.65	0.98	1.16
N	1.87	0.00	0.90	0.95	1.87	0.55	0.65	0.55	0.65	1.03	1.22
O	2.89	0.00	0.90	0.95	2.89	0.50	0.60	0.50	0.60	1.45	1.73
P	3.40	1.43	0.90	0.95	1.97	0.50	0.60	0.67	0.75	2.27	2.54
Q	1.84	1.84	0.90	0.95	0.00	0.55	0.65	0.90	0.95	1.66	1.75
R	1.95	0.73	0.90	0.95	1.22	0.50	0.60	0.65	0.73	1.27	1.43
S	2.48	0.86	0.90	0.95	1.62	0.50	0.60	0.64	0.72	1.58	1.79
T	0.86	0.86	0.90	0.95	0.00	0.55	0.65	0.90	0.95	0.77	0.82
U	1.00	0.00	0.90	0.95	1.00	0.55	0.65	0.55	0.65	0.55	0.65
V	2.16	0.00	0.90	0.95	2.16	0.55	0.65	0.55	0.65	1.19	1.40
W	2.36	0.00	0.90	0.95	2.36	0.55	0.65	0.55	0.65	1.30	1.53
X	0.79	0.00	0.90	0.95	0.79	0.60	0.70	0.60	0.70	0.47	0.55
Y	2.60	0.00	0.90	0.95	2.60	0.52	0.62	0.52	0.62	1.35	1.61
Z	1.84	0.00	0.90	0.95	1.84	0.55	0.65	0.55	0.65	1.01	1.20
AA	2.75	0.00	0.90	0.95	2.75	0.55	0.65	0.55	0.65	1.51	1.79
BB	2.91	0.00	0.90	0.95	2.91	0.55	0.65	0.55	0.65	1.60	1.89

JOB NAME: MDDP AMENDMENT FOR STETSON RIDGE
 JOB NUMBER: 1016.60
 DATE: 10/29/08
 CALCULATED BY: DLM/DLG

FINAL DRAINAGE REPORT ~ BASIN RUNOFF COEFFICIENT SUMMARY

BASIN	TOTAL AREA (AC)	IMPERVIOUS AREA / STREETS			LANDSCAPE/UNDEVELOPED AREAS			WEIGHTED		WEIGHTED CA	
		AREA (AC)	C(5)	C(100)	AREA (AC)	C(5)	C(100)	C(5)	C(100)	CA(5)	CA(100)
CC	1.29	0.00	0.90	0.95	1.29	0.57	0.67	0.57	0.67	0.74	0.86
DD	3.10	0.00	0.90	0.95	3.10	0.55	0.65	0.55	0.65	1.71	2.02
EE	2.80	0.00	0.90	0.95	2.80	0.55	0.65	0.55	0.65	1.54	1.82
FF	1.64	0.00	0.90	0.95	1.64	0.55	0.65	0.55	0.65	0.90	1.07
GG	0.86	0.00	0.90	0.95	0.86	0.57	0.67	0.57	0.67	0.49	0.58
HH	1.86	0.00	0.90	0.95	1.86	0.55	0.65	0.55	0.65	1.02	1.21
II	0.98	0.00	0.90	0.95	0.98	0.57	0.67	0.57	0.67	0.56	0.66
JJ	0.85	0.00	0.90	0.95	0.85	0.55	0.65	0.55	0.65	0.47	0.55
KK	1.46	0.00	0.90	0.95	1.46	0.52	0.62	0.52	0.62	0.76	0.91
LL	0.36	0.00	0.90	0.95	0.36	0.57	0.67	0.57	0.67	0.21	0.24
MM	1.63	0.00	0.90	0.95	1.63	0.52	0.62	0.52	0.62	0.85	1.01
NN	1.43	0.00	0.90	0.95	1.43	0.57	0.67	0.57	0.67	0.82	0.96
OO	2.50	0.00	0.90	0.95	2.50	0.51	0.61	0.51	0.61	1.28	1.53
PP	1.04	0.00	0.90	0.95	1.04	0.57	0.67	0.57	0.67	0.59	0.70
QQ	1.41	0.62	0.90	0.95	0.79	0.50	0.60	0.68	0.75	0.95	1.06
RR	1.40	0.80	0.90	0.95	0.60	0.35	0.45	0.66	0.74	0.93	1.03
SS	1.63	0.40	0.90	0.95	1.23	0.35	0.45	0.48	0.57	0.79	0.93
TT	1.43	0.66	0.90	0.95	0.77	0.25	0.35	0.55	0.63	0.79	0.90
UU	2.14	0.00	0.90	0.95	2.14	0.52	0.62	0.52	0.62	1.11	1.33
VV	0.92	0.61	0.90	0.95	0.31	0.25	0.35	0.68	0.75	0.63	0.69
WW	1.56	0.55	0.90	0.95	1.01	0.52	0.62	0.65	0.74	1.02	1.15
XX	3.56	1.85	0.90	0.95	1.71	0.52	0.62	0.72	0.79	2.55	2.82
YY	1.42	1.42	0.90	0.95	0.00	0.55	0.65	0.90	0.95	1.28	1.35
OS-0	7.81	7.42	0.60	0.70	0.39	0.65	0.75	0.60	0.70	4.71	5.49
OS-0A	10.23	12.48	0.60	0.70	2.25	0.65	0.75	0.59	0.69	6.03	7.05
OS-1	16.84	16.84	0.65	0.75	0.00	0.65	0.75	0.65	0.75	10.95	12.63
OS-1A	3.97	3.97	0.90	0.95	0.00	0.65	0.75	0.90	0.95	3.57	3.77

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		AREA (AC)	C(5)	C(100)	AREA (AC)	C(5)	C(100)	C(5)	C(100)	CA(5)	CA(100)
OS-2	18.92	18.92	0.60	0.70	0.00	0.25	0.35	0.60	0.70	11.35	13.24
OS-3	7.44	7.44	0.90	0.90	0.00	0.25	0.35	0.90	0.90	6.70	6.70
OS-3A	4.66	1.50	0.90	0.95	3.16	0.90	0.90	0.90	0.92	4.19	4.27
OS-4	8.45	8.45	0.90	0.90	0.00	0.25	0.35	0.90	0.90	7.61	7.61
OS-5	11.26	11.26	0.70	0.80	0.00	0.25	0.35	0.70	0.80	7.88	9.01
OS-6	3.50	0.50	0.90	0.95	3.00	0.30	0.55	0.39	0.61	1.35	2.13
OS-6A	1.12	1.12	0.60	0.70	0.00	0.30	0.55	0.60	0.70	0.67	0.78
OS-7	7.12	7.12	0.90	0.95	0.00	0.25	0.35	0.90	0.95	6.41	6.76
OS-7A	1.19	1.19	0.90	0.95	0.00	0.25	0.35	0.90	0.95	1.07	1.13
OS-8	4.32	4.32	0.90	0.95	0.00	0.25	0.35	0.90	0.95	3.89	4.10
OS-8A	6.37	5.13	0.60	0.70	1.24	0.25	0.35	0.53	0.63	3.39	4.03
OS-8B	3.62	3.62	0.90	0.95	0.00	0.25	0.35	0.90	0.95	3.26	3.44
OS-9	8.81	6.37	0.90	0.90	2.44	0.25	0.35	0.72	0.75	6.34	6.59
OS-10	10.34	10.34	0.60	0.70	0.00	0.25	0.35	0.60	0.70	6.20	7.24
OS-10A	3.75	2.52	0.90	0.95	1.23	0.60	0.70	0.80	0.87	3.01	3.26
OS-11	5.83	5.83	0.90	0.95	0.00	0.25	0.35	0.90	0.95	5.25	5.54
OS-12	18.80	18.80	0.70	0.80	0.00	0.25	0.35	0.70	0.80	13.16	15.04
OS-13	9.18	9.18	0.60	0.70	0.00	0.25	0.35	0.60	0.70	5.51	6.43
OS-13A	8.81	8.81	0.60	0.70	0.00	0.25	0.35	0.60	0.70	5.29	6.17
OS-13B	7.49	2.34	0.90	0.95	5.15	0.60	0.70	0.69	0.78	5.20	5.83
OS-14	19.75	19.75	0.66	0.73	0.00	0.25	0.35	0.66	0.73	13.04	14.42
OS-14A	2.03	2.03	0.90	0.95	0.00	0.25	0.35	0.90	0.95	1.83	1.93
OS-15	12.53	12.53	0.43	0.52	0.00	0.25	0.35	0.43	0.52	5.39	6.52
OS-16	2.32	2.32	0.90	0.95	0.00	0.25	0.35	0.90	0.95	2.09	2.20
OS-A	10.83	10.83	0.90	0.95	0.00	0.25	0.35	0.90	0.95	9.75	10.29
OS-B	6.20	6.20	0.90	0.95	0.00	0.25	0.35	0.90	0.95	5.58	5.89
OS-C	1.87	1.87	0.90	0.95	0.00	0.25	0.35	0.90	0.95	1.68	1.78
OS-D	1.22	0.81	0.90	0.95	0.41	0.59	0.69	0.80	0.86	0.97	1.05

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OS-E	1.29	1.29	0.90	0.95	0.00	0.25	0.35	0.90	0.95	1.16	1.23
OS-F	7.57	0.00	0.90	0.95	7.57	0.25	0.35	0.25	0.35	1.89	2.65
PT-6	0.86	0.86	0.90	0.95	0.00	0.25	0.35	0.90	0.95	0.77	0.82
FIRE	2.00	2.00	0.90	0.95	0.00	0.25	0.35	0.90	0.95	1.80	1.90

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FINAL DRAINAGE REPORT ~ BASIN RUNOFF SUMMARY

BASIN	WEIGHTED		OVERLAND				STREET / CHANNEL FLOW				Tc	TOTAL FLOWS				
	CA(5)	CA(100)	C(5)	Length (ft)	Height (ft)	Tc (min)	Length (ft)	Slope (%)	Velocity (fps)	Tc (min)	TOTAL (min)	I(2) (in/hr)	I(5) (in/hr)	I(100) (in/hr)	Q(5) (cfs)	Q(100) (cfs)
A	1.59	1.72	0.25	20	0.5	5.3	1800	2.6%	5.6	5.4	10.6	2.91	4.01	7.13	6	12
B	1.97	2.31	0.25	120	2.4	13.9	1000	2.6%	5.6	3.0	16.8	2.38	3.28	5.83	6	13
C	0.89	0.97	0.25	50	1	8.9	800	4.0%	7.0	1.9	10.8	2.89	3.97	7.07	4	7
D	0.88	1.02	0.25	80	1.6	11.3	300	2.0%	4.9	1.0	12.3	2.74	3.77	6.71	3	7
E	1.41	1.65	0.25	50	1	8.9	400	4.0%	7.0	1.0	9.9	2.99	4.12	7.32	6	12
F	1.84	2.17	0.25	125	2.5	14.1	450	2.7%	5.7	1.3	15.5	2.48	3.42	6.07	6	13
G	1.26	1.49	0.25	150	5	13.1	350	2.0%	4.9	1.2	14.3	2.57	3.54	6.30	4	9
H	1.21	1.43	0.25	150	5	13.1	300	2.0%	4.9	1.0	14.1	2.59	3.56	6.33	4	9
I	1.30	1.54	0.25	140	2.8	15.0	300	2.0%	4.9	1.0	16.0	2.44	3.36	5.98	4	9
J	0.75	0.89	0.25	180	3.6	17.0	180	1.7%	4.5	0.7	17.6	2.33	3.21	5.70	2	5
K	0.77	0.90	0.25	50	1	8.9	575	1.7%	4.5	2.1	11.1	2.87	3.94	7.01	3	6
L	0.98	1.17	0.25	140	2.8	15.0	225	2.0%	4.9	0.8	15.7	2.46	3.39	6.02	3	7
M	0.98	1.16	0.25	130	2.6	14.4	175	1.0%	3.5	0.8	15.3	2.50	3.44	6.11	3	7
N	1.03	1.22	0.25	135	2.7	14.7	200	1.7%	4.5	0.7	15.4	2.48	3.42	6.08	4	7
O	1.45	1.73	0.25	150	3.7	14.5	750	1.7%	4.5	2.8	17.2	2.36	3.25	5.77	5	10
P	2.27	2.54	0.25	160	7	12.4	675	3.0%	6.1	1.9	14.2	2.58	3.55	6.31	8	16
Q	1.66	1.75	0.9	50	1	2.1	1300	3.0%	6.1	3.6	5.7	3.59	4.94	8.78	8	15
R	1.27	1.43	0.25	100	3	11.1	400	2.0%	4.9	1.3	12.4	2.73	3.76	6.69	5	10
S	1.58	1.79	0.25	150	8	11.2	425	2.0%	4.9	1.4	12.6	2.71	3.73	6.64	6	12
T	0.77	0.82	0.9	50	1	2.1	530	1.0%	3.5	2.5	5.0	3.71	5.10	9.07	4	7
U	0.55	0.65	0.25	80	1.6	11.3	260	1.3%	3.9	1.1	12.4	2.73	3.76	6.69	2	4
V	1.19	1.40	0.25	200	4	17.9	200	3.0%	6.1	0.5	18.4	2.28	3.14	5.58	4	8
W	1.30	1.53	0.25	120	2.4	13.9	400	2.4%	5.4	1.2	15.1	2.51	3.45	6.14	4	9
X	0.47	0.55	0.25	50	1	8.9	400	3.0%	6.1	1.1	10.0	2.98	4.10	7.28	2	4
Y	1.35	1.61	0.25	160	3.2	16.0	400	1.5%	4.3	1.6	17.6	2.34	3.22	5.72	4	9
Z	1.01	1.20	0.25	100	2	12.6	385	2.0%	4.9	1.3	13.9	2.60	3.58	6.36	4	8

JOB NAME: MDDP AMENDMENT FOR STETSON RIDGE
 JOB NUMBER: 1016.60
 DATE: 10/29/08
 CALC'D BY: DLMDLG

FINAL DRAINAGE REPORT ~ BASIN RUNOFF SUMMARY

BASIN	WEIGHTED		OVERLAND				STREET / CHANNEL FLOW				Tc	TOTAL FLOWS				
	CA(5)	CA(100)	C(5)	Length (ft)	Height (ft)	Tc (min)	Length (ft)	Slope (%)	Velocity (fps)	Tc (min)	TOTAL (min)	I(2) (in/hr)	I(5) (in/hr)	I(100) (in/hr)	Q(5) (cfs)	Q(100) (cfs)
AA	1.51	1.79	0.25	50	1	8.9	1200	2.0%	4.9	4.0	13.0	2.68	3.69	6.56	6	12
BB	1.60	1.89	0.25	180	5	15.2	450	1.5%	4.3	1.7	17.0	2.37	3.27	5.81	5	11
CC	0.74	0.86	0.25	50	1	8.9	600	1.5%	4.3	2.3	11.3	2.84	3.91	6.96	3	6
DD	1.71	2.02	0.25	140	3.2	14.3	600	1.5%	4.3	2.3	16.6	2.40	3.30	5.86	6	12
EE	1.54	1.82	0.25	110	4.4	10.6	300	3.0%	6.1	0.8	11.4	2.83	3.90	6.93	6	13
FF	0.90	1.07	0.25	125	2.5	14.1	350	1.6%	4.4	1.3	15.5	2.48	3.42	6.07	3	6
GG	0.49	0.58	0.25	50	1	8.9	350	1.6%	4.4	1.3	10.3	2.95	4.06	7.22	2	4
HH	1.02	1.21	0.25	100	2	12.6	500	2.6%	5.6	1.5	14.1	2.59	3.56	6.32	4	8
II	0.56	0.66	0.25	50	1	8.9	500	2.0%	4.9	1.7	10.6	2.91	4.01	7.12	2	5
JJ	0.47	0.55	0.25	120	2.4	13.9	300	2.0%	4.9	1.0	14.9	2.53	3.48	6.18	2	3
KK	0.76	0.91	0.25	200	7	14.9	50	1.0%	3.5	0.2	15.1	2.51	3.45	6.14	3	6
LL	0.21	0.24	0.25	50	1	8.9	100	1.0%	3.5	0.5	9.4	3.05	4.20	7.46	1	2
MM	0.85	1.01	0.25	130	2.6	14.4	225	2.0%	4.9	0.8	15.2	2.50	3.44	6.12	3	6
NN	0.82	0.96	0.25	50	1	8.9	290	2.0%	4.9	1.0	9.9	2.99	4.11	7.32	3	7
OO	1.28	1.53	0.25	160	4	14.9	500	2.2%	5.2	1.6	16.5	2.41	3.32	5.89	4	9
PP	0.59	0.70	0.25	50	1	8.9	430	2.2%	5.2	1.4	10.3	2.94	4.05	7.20	2	5
QQ	0.95	1.06	0.25	80	1.6	11.3	390	1.3%	4.0	1.6	12.9	2.69	3.70	6.58	4	7
RR	0.93	1.03	0.25	50	8	4.5	400	1.3%	3.9	1.7	6.2	3.50	4.81	8.56	4	9
SS	0.79	0.93	0.25	70	1.4	10.6	800	1.7%	4.5	3.0	13.5	2.63	3.62	6.44	3	6
TT	0.79	0.90	0.25	30	0.6	6.9	800	1.7%	4.5	3.0	9.9	2.99	4.12	7.33	3	7
UU	1.11	1.33	0.25	75	1.5	11.0	960	3.0%	6.1	2.6	13.6	2.63	3.62	6.43	4	9
VV	0.63	0.69	0.25	25	0.5	6.3	850	3.0%	6.1	2.3	8.7	3.14	4.32	7.69	3	5
WW	1.02	1.15	0.25	80	1.6	11.3	560	2.5%	5.5	1.7	13.0	2.68	3.69	6.56	4	8
XX	2.55	2.82	0.25	60	2.5	7.7	900	2.0%	4.9	3.0	10.7	2.90	3.99	7.10	10	20
YY	1.28	1.35	0.9	20	0.5	1.2	1050	2.0%	4.9	3.5	5.0	3.71	5.10	9.07	7	12

JOB NAME: MDDP AMENDMENT FOR STETSON RIDGE
 JOB NUMBER: 1016.60
 DATE: 10/29/08
 CALC'D BY: DLM/DLG

FINAL DRAINAGE REPORT ~ BASIN RUNOFF SUMMARY

BASIN	WEIGHTED		OVERLAND				STREET / CHANNEL FLOW				Tc TOTAL (min)	TOTAL FLOWS				
	CA(5)	CA(100)	C(5)	Length (ft)	Height (ft)	Tc (min)	Length (ft)	Slope (%)	Velocity (fps)	Tc (min)		I(2) (in/hr)	I(5) (in/hr)	I(100) (in/hr)	Q(5) (cfs)	Q(100) (cfs)
OS-0	4.71	5.49	0.25	100	2	12.6	1400	4.0%	7.0	3.3	16.0	2.44	3.36	5.98	16	33
OS-0A	6.03	7.05	0.25	100	2	12.6	1400	4.0%	7.0	3.3	16.0	2.44	3.36	5.98	20	42
OS-1	10.95	12.63	0.25	200	20	10.5	1000	4.0%	7.0	2.4	12.9	2.69	3.70	6.58	41	83
OS-1A	3.57	3.77	0.25	30	0.6	6.9	2000	4.4%	7.3	4.6	11.5	2.82	3.88	6.90	14	26
OS-2	11.35	13.24	0.25	200	20	10.5	1000	4.0%	7.0	2.4	12.9	2.69	3.70	6.58	42	87
OS-3	6.70	6.70	0.25	75	1.5	11.0	600	2.0%	4.9	2.0	13.0	2.68	3.69	6.56	25	44
OS-3A	4.19	4.27	0.25	75	1.5	11.0	700	2.0%	4.9	2.4	13.3	2.65	3.65	6.49	15	28
OS-4	7.61	7.61	0.25	75	3	8.7	600	4.0%	7.0	1.4	10.1	2.97	4.08	7.25	31	55
OS-5	7.88	9.01	0.25	100	2	12.6	1000	4.0%	7.0	2.4	15.0	2.51	3.46	6.15	27	55
OS-6	1.35	2.13	0.25	200	20	10.5	200	33.0%	20.1	0.2	10.7	2.91	4.00	7.11	5	15
OS-6A	0.67	0.78	0.25	200	20	10.5	200	33.0%	20.1	0.2	5.0	3.71	5.10	9.07	3	7
OS-7	6.41	6.76	0.25	20	0.5	5.3	2000	2.0%	4.9	6.7	12.0	2.77	3.82	6.79	24	46
OS-7A	1.07	1.13	0.25	20	2	3.3	200	3.0%	6.1	0.5	5.0	3.71	5.10	9.07	5	10
OS-8	3.89	4.10	0.25	50	3	6.2	360	2.0%	4.9	1.2	7.4	3.31	4.55	8.09	18	33
OS-8A	3.39	4.03	0.25	75	3	8.7	800	2.7%	5.7	2.3	11.1	2.87	3.95	7.01	13	28
OS-8B	3.26	3.44	0.25	50	3	6.2	350	2.0%	4.9	1.2	7.4	3.31	4.56	8.11	15	28
OS-9	6.34	6.59	0.25	75	3	8.7	700	3.0%	6.1	1.9	10.6	2.91	4.01	7.12	25	47
OS-10	6.20	7.24	0.25	100	2	12.6	900	2.0%	4.9	3.0	15.7	2.47	3.39	6.03	21	44
OS-10A	3.01	3.26	0.25	100	2	12.6	570	2.0%	4.9	1.9	14.6	2.55	3.51	6.24	11	20
OS-11	5.25	5.54	0.25	100	3	11.1	550	3.0%	6.1	1.5	12.6	2.72	3.74	6.65	20	37
OS-12	13.16	15.04	0.25	300	6	21.9	1200	2.0%	4.9	4.0	25.9	1.91	2.63	4.67	35	70
OS-13	5.51	6.43	0.25	100	2	12.6	1000	2.0%	4.9	3.4	16.0	2.44	3.36	5.97	19	38
OS-13A	5.29	6.17	0.25	100	2	12.6	1000	2.0%	4.9	3.4	16.0	2.44	3.36	5.97	18	37
OS-13B	5.20	5.83	0.25	100	2	12.6	870	1.5%	4.3	3.4	16.0	2.44	3.36	5.97	17	35
OS-14	13.04	14.42	0.25	300	6	21.9	1000	2.0%	4.9	3.4	25.3	1.94	2.67	4.74	35	68
OS-14A	1.83	1.93	0.25	20	2	3.3	780	2.0%	4.9	2.6	6.0	3.54	4.87	8.66	9	17
OS-15	5.39	6.52	0.25	400	8	25.3	300	2.0%	4.9	1.0	26.3	1.89	2.61	4.64	14	30
OS-16	2.09	2.20	0.25	40	0.8	8.0	600	1.3%	4.0	2.5	10.5	2.93	4.03	7.16	8	16

JOB NAME: MDDP AMENDMENT FOR STETSON RIDGE
 JOB NUMBER: 1016.60
 DATE: 10/29/08
 CALC'D BY: DLMDLG

FINAL DRAINAGE REPORT ~ BASIN RUNOFF SUMMARY

BASIN	WEIGHTED		OVERLAND				STREET / CHANNEL FLOW				Tc	TOTAL FLOWS				
	CA(5)	CA(100)	C(5)	Length (ft)	Height (ft)	Tc (min)	Length (ft)	Slope (%)	Velocity (fps)	Tc (min)	TOTAL (min)	I(2) (in/hr)	I(5) (in/hr)	I(100) (in/hr)	Q(5) (cfs)	Q(100) (cfs)
OS-A	9.75	10.29	0.25	50	3	6.2	600	3.0%	6.1	1.6	7.9	3.25	4.47	7.94	44	82
OS-B	5.58	5.89	0.25	50	3	6.2	600	3.0%	6.1	1.6	7.9	3.25	4.47	7.94	25	47
OS-C	1.68	1.78	0.25	60	1.2	9.8	600	2.0%	4.9	2.0	11.8	2.79	3.84	6.83	6	12
OS-D	0.97	1.05	0.25	110	2.5	12.7	500	1.0%	3.5	2.4	15.1	2.51	3.45	6.14	3	6
OS-E	1.16	1.23	0.25	80	8	6.6	100	1.0%	3.5	0.5	7.1	3.35	4.62	8.21	5	10
OS-F	1.89	2.65	0.25	80	8	6.6	100	1.0%	3.5	0.5	7.1	3.35	4.62	8.21	9	22
PT-6	0.77	0.82	0.25	30	0.6	6.9	400	2.0%	4.9	1.3	8.3	3.19	4.39	7.81	3	6
FIRE	1.80	1.90	0.25	30	0.6	6.9	200	2.0%	4.9	0.7	7.6	3.29	4.52	8.04	8	15

JOB NAME: MDDP AMENDMENT FOR STETSON RIDGE
 JOB NUMBER: 1016.60
 DATE: 10/29/08
 CALCULATED BY: DLM/DLG

* PIPES ARE LISTED AT MAXIMUM SIZE REQUIRED TO ACCOMMODATE Q100 FLOWS AT MINIMUM GRADE.
 REFER TO INDIVIDUAL PIPE SHEETS FOR HYDRAULIC INFORMATION.

FINAL DRAINAGE REPORT ~ PIPE ROUTING SUMMARY

Pipe Run	Design Points/Pipe Run	Equivalent CA(5)	Equivalent CA(100)	Maximum Tc	Intensity		Flow		Pipe Size*
					I(5)	I(100)	Q(5)	Q(100)	
1	DP-13	1.47	1.73	15.5	3.42	6.07	5	11	18" RCP
2	DP-12	1.47	1.73	15.5	3.42	6.07	5	11	18" RCP
3	1, 2	2.93	3.46	15.5	3.42	6.07	10	21	24" RCP
4	DP-17	0.82	0.96	9.9	4.11	7.32	3	7	18" RCP
5	DP-16	0.85	1.01	15.2	3.44	6.12	3	6	18" RCP
6	4, 5	1.66	1.97	15.2	3.44	6.12	6	12	18" RCP
7	DP-15	0.21	0.24	9.4	4.20	7.46	1	2	18" RCP
8	DP-14	1.23	1.46	15.1	3.45	6.14	4	9	18" RCP
8A	6, 7, 8	3.09	3.67	17.0	3.27	5.81	10	21	24" RCP
9	3, 8A	6.03	7.13	17.0	3.27	5.81	20	41	30" RCP
10	AT-GRADE INLET DP-4	0.38	0.80	15.2	3.44	6.12	1	5	18" RCP
11	DP-6	5.51	6.43	16.0	3.36	5.97	19	38	30" RCP
12	AT-GRADE INLET DP-5	0.63	0.59	13.5	3.63	6.45	2	4	18" RCP
13	10, 11, 12	6.51	7.82	17.0	3.26	5.80	21	45	36" RCP
14	DP-11 (less overflow from OS-15)	26.03	23.61	28.0	2.52	4.48	66	106	EX. 42" RCP
15	9, 13, 14	38.57	38.55	28.0	2.52	4.48	97	173	EX. 42" RCP
16	AT-GRADE INLET DP-18	1.27	1.17	20.4	2.98	5.31	4	6	EX. 18" RCP
17	AT-GRADE INLET DP-19	1.01	0.94	16.1	3.35	5.96	3	6	EX. 18" RCP
18	15, 16, 17	40.85	40.66	28.5	2.49	4.43	102	180	EX. 42"/54"
19	DP-24	2.98	3.54	18.3	3.15	5.60	9	20	24" RCP
20	DP-25	2.91	3.43	17.6	3.21	5.71	9	20	24" RCP
21	19, 20	5.89	6.97	18.3	3.15	5.60	19	39	30" RCP
22	DP-27, 21	9.79	12.53	18.1	3.17	5.63	31	71	EX. 36" RCP

JOB NAME: MDDP AMENDMENT FOR STETSON RIDGE
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 REFER TO INDIVIDUAL PIPE SHEETS FOR HYDRAULIC INFORMATION.

FINAL DRAINAGE REPORT ~ PIPE ROUTING SUMMARY

Pipe Run	Design Points/Pipe Run	Equivalent CA(5)	Equivalent CA(100)	Maximum Tc	Intensity		Flow		Pipe Size*
					I(5)	I(100)	Q(5)	Q(100)	
23	DP-26	2.69	6.70	22.4	2.84	5.05	8	34	EX. 24" RCP
24	18, 22, 23 existing inlet 60	53.94	60.67	28.5	2.49	4.43	135	269	EX. 60" RCP
25	DP-1	7.16	8.30	15.7	3.39	6.03	24	50	30" RCP
26	AT-GRADE INLET DP-2	0.85	0.54	6.2	4.81	8.56	4.1	4.6	18" RCP
27	AT-GRADE INLET DP-3	0.50	0.54	12.4	3.76	6.69	1.9	3.6	18" RCP
28	25, 26, 27	8.51	9.37	15.9	3.37	6.00	29	56	30" RCP
29	DP-29	1.48	1.75	10.0	4.10	7.28	6	13	18" RCP
30	DP-28	1.48	1.75	10.0	4.10	7.29	6	13	18" RCP
31	29, 30	2.96	3.49	10.0	4.10	7.29	12	25	24" RCP
32	28, 31	11.47	12.86	17.4	3.23	5.74	37	74	36" RCP
33	DP-30	0.98	1.17	15.7	3.39	6.02	3	7	18" RCP
34	32, 33	12.45	14.04	17.7	3.20	5.70	40	80	36" RCP
35	DP-31	2.61	3.09	17.0	3.27	5.81	9	18	18" RCP
36	35, DP-32	5.48	6.49	19.6	3.05	5.41	17	35	24" RCP
37	34, 36	17.93	20.52	19.6	3.05	5.41	55	111	42" RCP
38	DP-37	2.76	3.27	17.6	3.21	5.70	9	19	18" RCP
39	37, 38	20.69	23.79	20.3	2.99	5.32	62	127	42" RCP
40	DP-38	2.21	2.63	17.2	3.25	5.77	7	15	18" RCP
41	39, 40	22.90	26.42	20.3	2.99	5.32	69	141	48" RCP
42	DP-39	10.95	12.63	12.9	3.70	6.58	41	83	42" RCP
43	DP-40	11.35	13.24	12.9	3.70	6.58	42	87	42" RCP
44	39, 40	22.30	25.87	14.5	3.52	6.25	78	162	48" RCP
45	DP-41	6.70	6.70	13.0	3.69	6.56	25	44	30" RCP
46	DP-42	7.61	7.61	10.1	4.08	7.25	31	55	30" RCP

JOB NAME: MDDP AMENDMENT FOR STETSON RIDGE
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FINAL DRAINAGE REPORT ~ PIPE ROUTING SUMMARY

Pipe Run	Design Points/Pipe Run	Equivalent CA(5)	Equivalent CA(100)	Maximum Tc	Intensity		Flow		Pipe Size*
					I(5)	I(100)	Q(5)	Q(100)	
47	85, 46	17.56	17.74	13.8	3.60	6.40	63	113	42" RCP
48	DP-45	3.20	3.38	12.0	3.82	6.79	12	23	24" RCP
49	47, 48	20.76	21.12	13.8	3.60	6.40	75	135	42" RCP
50	DP-43, OS-0 FIRE	14.39	16.39	16.0	3.36	5.98	48	98	42" RCP
51	DP-44	3.20	3.38	12.0	3.82	6.79	12	23	24" RCP
52	50, 51	17.59	19.78	16.0	3.36	5.98	59	118	42" RCP
53	49, 52	38.35	40.90	16.4	3.32	5.91	127	242	54" RCP
54	DP-46	3.89	4.10	7.4	4.55	8.09	18	33	30" RCP
55	DP-47	6.34	6.59	10.6	4.01	7.12	25	47	30" RCP
56	54, 55	10.23	10.69	10.6	4.01	7.12	41	76	36" RCP
57	DP-48	5.25	5.54	12.6	3.74	6.65	20	37	30" RCP
58	56, 57	15.48	16.23	12.6	3.74	6.65	58	108	42" RCP
59	AT-GRADE INLET DP-51	2.93	2.89	17.0	3.27	5.81	10	17	18" RCP
60	58, 59	18.40	19.12	17.0	3.27	5.81	60	111	48" RCP
61	DP-53	0.65	0.77	8.0	4.44	7.90	3	6	18" RCP
62	DP-52	0.65	0.77	16.0	3.36	5.98	2	5	18" RCP
63	61, 62	1.30	1.54	16.0	3.36	5.98	4	9	18" RCP
64	60, 63	19.71	20.66	17.2	3.25	5.77	64	119	48" RCP
65	DP-49	13.16	15.04	25.9	2.63	4.67	35	70	36" RCP
66	64, 65	32.87	35.70	25.9	2.63	4.67	86	167	54" RCP
67	53, 66	71.22	76.60	25.9	2.63	4.67	187	358	72" RCP
68	DP-54	3.15	4.19	17.5	3.22	5.73	10	24	24" RCP
69	67, 68	74.37	80.79	25.9	2.63	4.67	195	377	72" RCP
70	DP-50	1.41	1.65	9.9	4.12	7.32	6	12	18" RCP

JOB NAME: MDDP AMENDMENT FOR STETSON RIDGE
 JOB NUMBER: 1016.60
 DATE: 10/29/08
 CALCULATED BY: DLM/DLG

* PIPES ARE LISTED AT MAXIMUM SIZE REQUIRED TO ACCOMMODATE Q100 FLOWS AT MINIMUM GRADE.
 REFER TO INDIVIDUAL PIPE SHEETS FOR HYDRAULIC INFORMATION.

FINAL DRAINAGE REPORT ~ PIPE ROUTING SUMMARY

Pipe Run	Design Points/Pipe Run	Equivalent CA(5)	Equivalent CA(100)	Maximum Tc	Intensity		Flow		Pipe Size*
					I(5)	I(100)	Q(5)	Q(100)	
71	DP-55	5.83	6.57	16.8	3.28	5.83	19	38	30" RCP
72	70, 71	7.24	8.21	16.8	3.28	5.83	24	48	30" RCP
73	69, 72	81.61	89.01	26.4	2.60	4.62	212	411	72" RCP
74	76, 73, DP-62	84.53	92.18	26.4	2.60	4.62	220	426	72" RCP
75	DP-56	1.58	1.79	12.6	3.73	6.64	6	12	18" RCP
76	DP-61	1.27	1.43	12.4	3.76	6.69	5	10	18" RCP
77	DP-57, 75	2.36	2.61	12.64	3.73	6.64	9	17	24" RCP
78	74, 41, 77	109.79	121.21	26.44	2.60	4.62	285	560	84" RCP
79	DP-58	14.16	15.32	16.00	3.36	5.97	48	92	42" RCP
80	DP-59	7.02	7.76	16.03	3.36	5.97	24	46	30" RCP
81	DP-7	5.29	6.17	16.01	3.36	5.97	18	37	24" RCP
82	DP-8	13.04	14.42	25.27	2.67	4.74	35	68	36" RCP
83	DP-9	15.12	16.62	25.27	2.67	4.74	40	79	36" RCP
84	DP-60	3.26	3.44	7.40	4.56	8.11	15	28	24" RCP
85	84, 45	9.95	10.14	13.27	3.66	6.50	36	66	36" RCP

JOB NAME: MDDP AMENDMENT FOR STETSON RIDGE
 JOB NUMBER: 1016.60
 DATE: 10/29/08
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FINAL DRAINAGE REPORT ~ SURFACE ROUTING SUMMARY

Design Point(s)	Contributing Basins	Equivalent CA(5)	Equivalent CA(100)	Maximum Tc	Intensity		Flow		Inlet Size
					I(5)	I(100)	Q(5)	Q(100)	
1	OS-10 (QQ)	7.16	8.30	15.7	3.39	6.03	24	50	
2	RR	0.93	1.030	6.2	4.81	8.56	4	9	6' AT GRADE INLET
3	U	0.55	0.65	12.4	3.76	6.69	2	4	6' AT GRADE INLET
4	FB-2, TT	0.87	1.39	15.2	3.44	6.12	3	9	8' AT GRADE INLET
5	FB-3, SS	0.84	1.10	13.5	3.63	6.45	3	7	6' AT GRADE INLET
6	OS-13	5.51	6.43	16.0	3.36	5.97	19	38	
7	OS-13A	5.29	6.17	16.0	3.36	5.97	18	37	
8	OS-14	13.04	14.42	25.3	2.67	4.74	35	68	
9	DP-8, OS-16	15.12	16.62	25.3	2.67	4.74	40	79	
10	PT-6	0.77	0.82	8.3	4.39	7.81	3	6	EX. 4' AT GRADE INLET
11	DP-7, DP-9, DP-10, 90% OS-15	26.03	29.47	28.0	2.52	4.48	66	132	
12	EE, FF	2.44	2.89	15.5	3.42	6.07	8	18	8' SUMP INLET
13	GG	0.49	0.58	11.4	3.90	6.93	2	4	4' SUMP INLET
14	JJ, KK	1.23	1.46	15.1	3.45	6.14	4	9	4' SUMP INLET
15	LL	0.21	0.24	9.4	4.20	7.46	1	2	4' SUMP INLET
16	MM	0.85	1.01	15.2	3.44	6.12	3	6	4' SUMP INLET
17	NN	0.82	0.96	9.9	4.11	7.32	3	7	4' SUMP INLET
18	FB-6, VV, 10% OS-15, OS-D	2.28	2.39	20.4	2.98	5.31	7	13	EX. 6' AT GRADE INLET
19	FB-5, UU	1.33	1.84	16.1	3.35	5.96	4	11	EX. 6' AT GRADE INLET
20	DD	1.71	2.02	16.6	3.30	5.86	6	12	
21	CC	0.74	0.86	11.3	3.91	6.96	3	6	
22	OO	1.28	1.53	16.5	3.32	5.89	4	9	
23	HH, II, PP	2.17	2.56	17.6	3.21	5.71	7	15	

JOB NAME: MDDP AMENDMENT FOR STETSON RIDGE
 JOB NUMBER: 1016.60
 DATE: 10/29/08
 CALCULATED BY: DLM/DLG

FINAL DRAINAGE REPORT ~ SURFACE ROUTING SUMMARY

Design Point(s)	Contributing Basins	Equivalent CA(5)	Equivalent CA(100)	Maximum Tc	Intensity		Flow		Inlet Size
					I(5)	I(100)	Q(5)	Q(100)	
24	DP-20, DP-22	2.98	3.54	18.3	3.15	5.60	9	20	10' SUMP INLET
25	DP-21, DP-23	2.91	3.43	17.6	3.21	5.71	9	20	10' SUMP INLET
26	FB-18, OS-C, .90% FB-11	2.69	6.70	22.4	2.84	5.05	8	34	EX. 14' SUMP INLET
27	FB-19, WW, XX, .10% FB-11	3.90	5.56	18.1	3.17	5.63	12	31	EX. 12' SUMP INLET
28	V, W	2.49	2.94	18.4	3.14	5.58	8	16	4' SUMP INLET
29	X	0.47	0.55	10.0	4.10	7.28	2	4	4' SUMP INLET
30	L	0.98	1.17	15.7	3.39	6.02	3	7	4' SUMP INLET
31	Z, BB	2.61	3.09	17.0	3.27	5.81	9	18	8' SUMP INLET
32	Y, AA	2.86	3.40	19.6	3.05	5.41	9	18	8' SUMP INLET
33	M, N	2.01	2.38	16.0	3.36	5.97	7	14	
34	O	1.45	1.73	17.2	3.25	5.77	5	10	
35	J	0.75	0.89	17.6	3.21	5.70	2	5	
36	K	0.77	0.90	11.1	3.94	7.01	3	6	
37	DP-33, DP-35	2.76	3.27	17.6	3.21	5.70	9	19	8' SUMP INLET
38	DP-34, DP-36	2.21	2.63	17.2	3.25	5.77	7	15	8' SUMP INLET
39	OS-1	10.95	12.63	12.9	3.70	6.58	41	83	
40	OS-2	11.35	13.24	12.9	3.70	6.58	42	87	
41	OS-3	6.70	6.70	13.0	3.69	6.56	25	44	
42	OS-4	7.61	7.61	10.1	4.08	7.25	31	55	
43	OS-5	7.88	9.01	15.0	3.46	6.15	27	55	
44	50% OS-7	3.20	3.38	12.0	3.82	6.79	12	23	12' SUMP INLET
45	50% OS-7	3.20	3.38	12.0	3.82	6.79	12	23	12' SUMP INLET
46	OS-8	3.89	4.10	7.4	4.55	8.09	18	33	
47	OS-9	6.34	6.59	10.6	4.01	7.12	25	47	

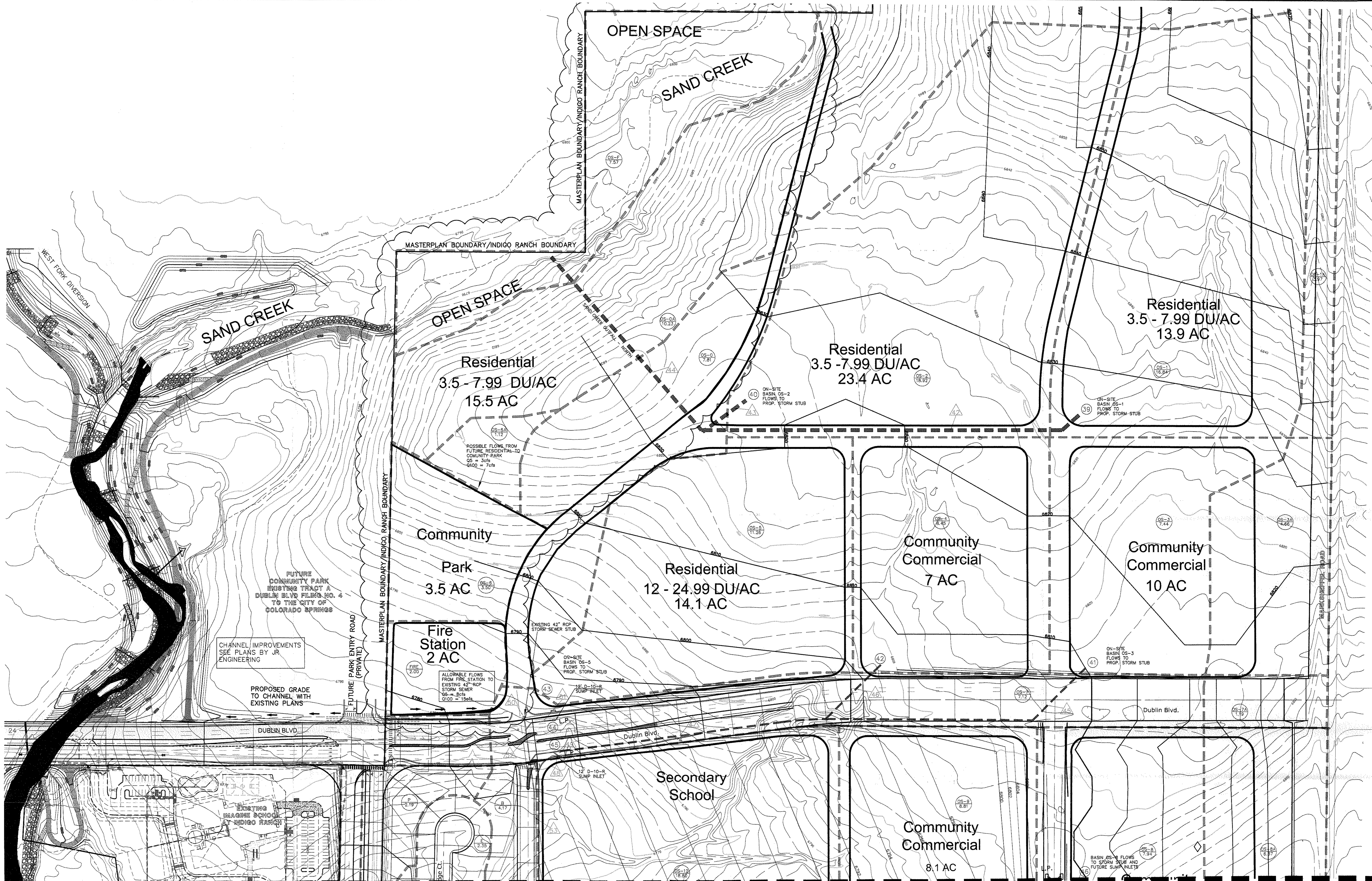
JOB NAME: MDDP AMENDMENT FOR STETSON RIDGE
 JOB NUMBER: 1016.60
 DATE: 10/29/08
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FINAL DRAINAGE REPORT ~ SURFACE ROUTING SUMMARY

Design Point(s)	Contributing Basins	Equivalent CA(5)	Equivalent CA(100)	Maximum Tc	Intensity		Flow		Inlet Size
					I(5)	I(100)	Q(5)	Q(100)	
48	OS-11	5.25	5.54	12.6	3.74	6.65	20	37	
49	OS-12	13.16	15.04	25.9	2.63	4.67	35	70	
50	E	1.41	1.65	9.9	4.12	7.32	6	12	4' SUMP INLET
51	C, F, G	3.99	4.63	17.0	3.27	5.81	13	27	18' AT-GRADE INLET
52	75% I	0.98	1.16	16.0	3.36	5.98	3	7	4' SUMP INLET
53	25% I	0.33	0.39	8.0	4.44	7.90	1	3	4' SUMP INLET
54	FB-51, D, H	3.15	4.19	17.5	3.22	5.73	10	24	12' SUMP INLET
55	A, B, P	5.83	6.57	16.8	3.28	5.83	19	38	12' SUMP INLET
56	S	1.58	1.79	12.6	3.73	6.64	6	12	12' SUMP INLET
57	T	0.77	0.82	5.0	5.10	9.07	4	7	12' AT-GRADE INLET
58	OS-1A, OS-3A, OS-8A, 10A	14.16	15.32	16.0	3.36	5.97	48	92	
59	OS-13B, OS-14A	7.02	7.76	16.0	3.36	5.97	24	46	
60	OS-8B	3.26	3.44	7.4	4.56	8.11	15	28	
61	R	1.27	1.43	12.4	3.76	6.69	5	10	12' AT-GRADE INLET
62	Q	1.66	1.75	5.7	4.94	8.78	8	15	12' AT-GRADE INLET



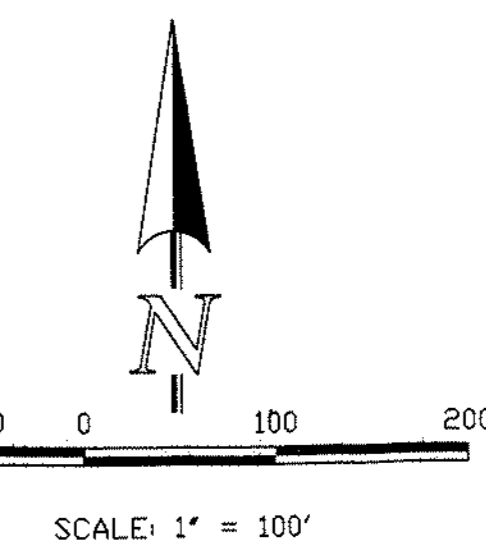
DRAINAGE MAP



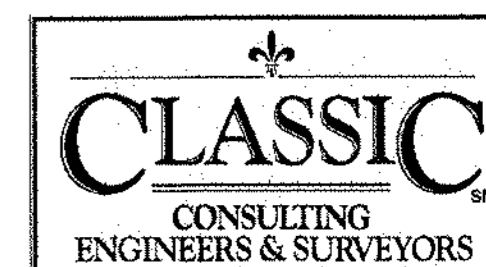
DESCRIPTION	LEGEND	SYMBOL
EXISTING GROUND CONTOUR		6910
PROPOSED FINISHED CONTOUR		6910
BASIN BOUNDARY		---
FUTURE STORM PIPE		---
EXISTING STORM PIPE		---
DESIGN POINT		25
BASIN IDENTIFIER		100
AREA IN ACRES		100
PIPE RUN		37
PREVIOUSLY STUDIED PIPE RUN		37

BASIN	Q5 (CFS)	Q100 (CFS)
OS-0	16	33
OS-0A	20	42
OS-6	5	15
OS-6A	3	7
OS-F	9	22
FIRE	8	15

SEE INDIGO RANCH AT STETSON RIDGE MASTER DEVELOPMENT DRAINAGE PLAN AMENDMENT BY CCES DATED APRIL 2005 FOR SOUTH PORTION OF STETSON RIDGE



STETSON RIDGE MDDP AMENDMENT
DRAINAGE MAP
JOB NO. 1016.60
DECEMBER 2008
SHEET 1 OF 1



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