



**POST-DEVELOPMENT: DRAINAGE MANAGEMENT AREAS**

DMA No.	ROOF (SF)	PAVEMENT /FLATWORK (SF)	GRAVEL (SF)	LANDSCAPE /NATIVE (SF)	TOTAL IMPERVIOUS (SF)
DMA-1A		9,842			9,842
DMA-1B			6,128		0
DMA-2A		19,654			19,654
DMA-2B		1,717			1,717
DMA-2C	3,400				3,400
DMA-3A			2,853		0
DMA-3B		6,808			6,808
DMA-3C		459			459
DMA-3D	7,497				7,497
DMA-3E		2,828			2,828
DMA-4A	3,151				3,151
DMA-4B		3,431			3,431
DMA-4C	1,577				1,577
DMA-5A		6,850			6,850
DMA-5B		2,405			2,405
DMA-5C			18,255		0
<b>TOTAL</b>	<b>15,625</b>	<b>53,994</b>	<b>27,236</b>	<b>0</b>	<b>69,619</b>

**POST-DEVELOPMENT: SOURCE CONTROL MEASURES**

SCM No.	TYPE	SURFACE AREA (SF)	VOLUME CAPACITY (CF)
SCM-1	BIO	1,606	642
SCM-2	BIO	1,888	944
SCM-3	BIO	2,644	1,058
SCM-4	BIO	998	399
SCM-5	BIO	894	358
<b>TOTAL</b>		<b>8,030</b>	<b>3,401</b>

**POST-DEVELOPMENT: AREA SUMMARY**

	ROOF (SF)	PAVEMENT (AC/CONC.) (SF)	LNNSCP/PERVIOUS (SF)	TREATMENT (SF)
<b>TOTAL</b>	<b>15,625</b>	<b>53,994</b>	<b>118,725</b>	<b>8,030</b>
New Impervious		69,619	sf	
LNNSCP/Pervious		118,725	sf	
Total Area		188,344	sf	
			4.32 acres	

**PEAK-FLOW MANAGEMENT:**

PER FLOOD CONTROL, THE DETENTION BASIN MUST HOLD A VOLUME EQUAL TO 0.10 ACRE FEET PER ACRE

TOTAL DETENTION VOLUME = (TOTAL AREA x 0.10) = 18,834-cf  
 PROVIDED BASIN VOLUME = 19,485-cf

ALLOWABLE 25-year, 24-hr EVENT DISCHARGE RATE:  
 Q25 = (4.32 acres) x (0.07 cfs/acre) = 0.30-cfs

**NOTE:**

- SOUTHERN HILLSIDE TO BE DETACHED THROUGH THE USE OF A SWALE/VALLEY GUTTER LINING THE WALKING PATH. THIS SWALE/VALLEY GUTTER WILL CONVEY THE GENERATED HILLSIDE RUN-OFF TO THE CREEK AS IT HAS DONE HISTORICALLY AND WILL NOT ENTER ONTO THE SITE.
- AREA LOCATED WITHIN PROPERTY BUT NOT TAKEN INTO ACCOUNT FOR STORMWATER REQUIREMENTS ENCOMPASS WALKING PATHS AND PROPOSED DETENTION BASIN BOTH OF WHICH HAVE LITTLE TO NO IMPACT UPON THE STORMWATER REQUIREMENTS.
- SEE STORM WATER CONTROL PLAN APPENDIX C FOR PEAK FLOW DETENTION BASIN SIZING & PEAK FLOW DISCHARGES.

**LEGEND**

- PAVEMENT
- CONCRETE FLATWORK
- GRAVEL
- ROOF
- BIO-RETENTION

**ABOVE GRADE ENGINEERING**

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OASIS SENIOR CENTER

POST-DEVELOPMENT CONDITIONS

SCALE: 1"=80' (ON 11x17)

JOB NUMBER: 14087

BY: DL

DATE: 10/17/16

SHEET:

**EX-2**