INITIAL STORM WATER LOW IMPACT DEVELOPMENT PLAN

JULY 2, 2018

YOLANDA APARTMENTS

APN 044-071-002, APN 044-041-010 325 YOLANDA AVENUE SANTA ROSA, CA

PROJECT #: 2018010.00



15 Third Street, Santa Rosa, CA 95401 Tel: 707 542 6451 Fax: 707 542 5212

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PROJECT DESCRIPTION

Project Name: Yolanda Apartments

Assessor's Parcel Number: 044-071-002, 044-041-010

Total Area of Site: 8.57 acres

Proposed Development:

The project located at 325 Yolanda Avenue will develop the existing property into an apartment community of approximately eleven-three story buildings, a community building, and a recreational pool and spa. New streets, parking stalls, and non-contiguous sidewalks will be installed. Landscaped areas will be installed throughout the project to be used as playgrounds, gardens, open lawns, and community BBQ areas. There will be offsite improvements to widen Yolanda Ave.

The drainage of the project is divided into sub-drainage areas as shown on the Proposed Improvements, Drainage Sub-areas and BMP Exhibit. The areas are designated based on the proposed grading plan. The proposed stormdrain system will tie into the existing systems located along Yolanda Avenue at two locations. The offsite improvements will be treated using roadside bioretention and drain to a new catch basin.

Existing Conditions:

The existing site was previously used as a truck terminal and a used car lot. It currently consists of a large warehouse, smaller miscellaneous buildings, and asphalt throughout the site. The site drains in a southwesterly direction towards Yolanda Avenue and down towards Santa Rosa Avenue. There are existing swales that border the northern and eastern edges of the property. The northern swale and flows in a westerly direction towards Santa Rosa Avenue and the eastern swale flows southerly direction towards Yolanda Avenue. There is a The USGS soil map for the project indicates that the site is under laid with Hydrologic Soil Group D soils. Group D soils have very low infiltration rates ranging between 0 to 0.05 in/hr.

Water Bodies Receiving Storm Water from the Project site include, in order of reception: Public storm drain; Todd Creek; Bellevue-Wilfred Channel; Laguna de Santa Rosa; and Russian River.

Project Triggers:

The Project will create more than one (1) acre of impervious surface and will therefore be conditioned to meet treatment and hydromodification control requirements. The hydromodification control design goal requires the project to capture and/or infiltrate and/or reuse one hundred percent (100%) of the post project volume.

This Project is designed to implement permanent water quality treatment and hydro-modification control BMPs set forth in the 2017 City of Santa Rosa's Storm Water Low Impact Development Technical Manual (SWLID); such Manual requires (i) treatment of all runoff generated by a one inch (1") rainfall event in a twenty-four (24) hour time period falling on all impermeable

surfaces, and (ii) the exit off the Project site of all such storm water at flow rates similar to predevelopment conditions.

POLLUTION PREVENTION AND RUNOFF REDUCTION MEASURES

Within the Project, (i) interceptor trees will be planted along the private streets and within all of the lots, and (ii) runoff from Project rooftops will be disconnected from storm drain inlets and directed to infiltration areas, and (iii) permeable pavements will be used in parking areas. The total tributary area used for treatment calculations has been reduced by these measures. Runoff will be treated by bioretention measures and trash removed by hydrodynamic separators to reduce pollution prior to being discharged from the Project.

TYPES OF BMPS

Storm water generated by the Project will be captured and treated in a treatment train installed in the following order. Storm water runoff on the streets will be treated using either roadside bioretention basins installed in compliance with detail P2 "Roadside Bioretention – Curb Opening", roadside bioretention installed similar to detail P2 "Roadside Bioretention – Contiguous Sidewalk", basins in compliance with detail P2 "Roadside Bioretention – Flush Design, and P2 "Permeable Pavement". Storm water runoff collected in the communal areas between buildings will be treated with bioretention basins installed similar to P1 "Roadside Bioretention – No curb and gutter.

All bioretention areas are sized for one hundred percent (100%) treatment and volume capture. Each BMP was sized to retain the entire volume from a 1 in - 24 hr storm rate for the tributary areas shown in the Initial SW LID Exhibits per City of Santa Rosa Standard. In all cases, higher flows will bypass the permeable gutter and flow to public catch basins.

Level of Treatment:

The Project will achieve the Design Goal of one hundred percent (100%) volume capture and one hundred percent (100%) of the runoff generated by the developed Project will be treated.

ASSIGNING LONG TERM BMPS MAINTENANCE

The long-term maintenance of the Roadside Bioretention, Rain Gardens, and Impervious Area Disconnections, as well as the Roadside Bioretention Planter located offsite on Yolanda Avenue will be the responsibility of the Apartment Management. The required maintenance is described in detail in the BMP Inspection and Maintenance Checklists section of this report. Funding for this maintenance will be provided by the Apartment Management.

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APPENDIX A DETERMINATION WORKSHEET

FOR OFFICE USE ONLY:
Does this project require permanent
storm water BMP's?
Y N
Date Submitted:

Part 1: Project Information



File No:	Quadrant
Related Files:	
Set:	
Donoute	ment Use Only

2017 Storm Water LID Determination Worksheet

PURPOSE AND APPLICABILITY: This determination worksheet is intended to satisfy the specific requirements of "ORDER NO. R1-2015-0030, NPDES NO. CA0025054 NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT AND WASTE DISCHARGE REQUIREMENTS FOR DISCHARGES FROM THE MUNICIPAL SEPARATE STORM SEWER SYSTEMS." Additional design requirements imposed by Governing Agencies, such as local grading ordinances, CAL Green, CEQA, 401 permitting, and hydraulic design for flood control still apply as appropriate. Additionally, coverage under another regulation may trigger the requirement to design in accordance with the Storm Water LID Technical Design Manual.

Project Name			Applicant (owner or developer) Name
Project Site Address			Applicant Mailing Address
Project City/State/Zip			Applicant City/State/Zip
Permit Number(s) - (if	applicable)		Applicant Phone/Email/Fax
Designer Name			Designer Mailing Address
Designer City/State/Zi	р		Designer Phone/Email
Type of Application,	/Project:		
Subdivison	Grading Permit	Building Permit	Hillside Development
DesignReview	Use Permit	Encroachment	Time Extensions Other :
PART 2: Project Exem	ptions		
1. Is this a project t	hat creates or replaces	s <i>less than</i> 10,000 sq	uare feet of impervious surface ¹ , including all project
phases and off-s	te improvements?		
Yes	No		
1 Impervious surface replace	ement, such as the reconstruct	ion of parking lots or excava	tion to roadway subgrades, is not a routine maintenance

activity. Reconstruction is defined as work that replaces surfaces down to the subgrade. Overlays, resurfacing, trenching and patching are defined as maintenance activities per section VI.D.2.b.

2017 Storm Water LID Determination Worksheet

2.	Is this project a routine maintenance activity ² that is being conducted to maintain original line and grade,
	hydraulic capacity, and original purpose of facility such as resurfacing existing roads and parking lots?

Yes No

3. Is this project a stand alone pedestrian pathway, trail or off-street bike lane?

Yes No

4. Did you answer "YES" to any of the questions in Part 2?

YES: This project will *not* need to incorporate permanent Storm Water BMP's as required by the NPDES MS4 Permit. **Please complete the "Exemption Signature Section" on Page 4.**

NO: Please complete the remainder of this worksheet.

Part 3: Project Triggers

Projects that Trigger Requirements:

Please answer the following questions to determine whether this project requires permanent Storm Water BMP's and the submittal of a SW LIDs as required by the NPDES MS4 Permit order No. R1-2015-0030.

1. Does this project create or replace a combined total of 10,000 square feet or more of impervious surface¹ including all project phases and off-site improvements?

Yes No

- Does this project create or replace a combined total or 10,000 square feet or more of impervious streets, roads, highways, or freeway construction or reconstruction³? Yes No
- 3. Does this project create or replace a combined total of 1.0 acre or more of impervious surface¹ including all project phases and off-site improvements? Yes No
- 4. Did you answer "YES" to any of the above questions in Part 3?

YES: This project will need to incorporate permanent Storm Water BMP's as required by the NPDES MS4 Permit. **Please complete remainder of worksheet and sign the "Acknowledgement Signature Section" on Page 4.**

NO: This project will *not* need to incorporate permanent Storm Water BMP's as required by the NPDES MS4 permit. **Please complete the "Exemption Signature Section" on Page 4.**

¹ Imprevious surface replacement, such as the reconstruction of parking lots or excavation to roadway subgrades, is not a routine maintence activity. Reconstruction is defined as work that replaces surfaces down to the subgrade. Overlays, resurfacint, trenching and patching are defined as maintenance activities per section VI.D.2.b.

^{2 &}quot;Rountine Maintenance Activity" includes activities such as overlays and/or resurfacing of existing roads or parking lots as well as trenching and patching activities and reroofing activities per section VI.D.2.b.

^{3 &}quot;Reconstruction" is defined as work that extends into the subgrade of a pavement per section VI.D.2.b.

Part 4: Project Description

1.	Total Project area:		square f acres	eet		
2.	Existing land use(s): (chec	k all that apply)	1			
	Commercial	Industrial	Residential	Public	Other	
	Description of build	dings, significar	nt site features (cr	eeks, wetlan	ds, heritage tre	es), etc.:
3.	Existing impervious surface	e area:		square fo	eet	
4.	Proposed Land Use(s): (ch	eck all that app	ly)			
	Commercial	Industrial	Residential	Public	Other	
	Description of build	dings, significar	nt site features (cr	eeks, wetlan	ds, heritage tre	es), etc.:
5.	Existing impervious surface	e area:		square f acres	eet	

Yolanda Apartments

Acknowledgment	Signature	Section:
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As the property owner or developer, I understand that this project is required to implement permanent Storm Water Best Management Practices and provide a Storm Water Low Impact Development Submittal (SW LIDS) as required by the City's National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer Systems (MS4) Permit Order No. R1-2015-0030. *Any unknown responses must be resolved to determine if the project is subject to these requirements.

Markhans 6/18/18
Applicant Signature Date

Exemption Signature Section:

As the property owner or developer, I understand that this project as currently designed does not require permanent Storm Water BMP's nor the submittal of a Storm Water Low Impact Development Submittal (SW LIDS) as required by the City's National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer Systems (MS4) Permit*. I understand that redesign may require submittal of a new Determination Worksheet and may require permanent Storm Water BMP's.

Applicant Signature Date

* This determination worksheet is intended to satisfy the specific requirements of "ORDER NO. R1-2015-0030, NPDES NO. CA0025054 NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT AND WASTE DISCHARGE REQUIREMENTS FOR DISCHARGES FROM THE MUNICIPAL SEPARATE STORM SEWER SYSTEMS." Additional design requirements imposed by Governing Agencies, such as local grading ordinances, CAL Green, CEQA, 401 permitting, and hydraulic design for flood control still apply as appropriate. Additionally, coverage under another regulation may trigger the requirement to design in accordance with the Storm Water LID Technical Design Manual.

Implementation Requirements: All calculations shall be completed using the "Storm Water Calculator" available at: www.srcity.org/stormwaterLID

Hydromodification Control/100% Volume Capture: Capture (infiltration and/or reuse) of 100% of the volume of runoff generated by a 1.0" 24-hour storm event, as calculated using the "Urban Hydrology for Small Watersheds" TR-55 Manual method. This is a retention requirement.

Treatment Requirement: Treatment of 100% of the flow calculated using the modified Rational Method and a known intensity of 0.20 inches per hour.

Delta Volume Capture Requirement: Capture (infiltration and/or reuse) of the increase in volume of storm water due to development generated by a 1.0" 24-hour storm event, as calculated using the "Urban Hydrology for Small Watersheds" TR-55 Manual method. This is a retention requirement.

APPENDIX B BMP SELECTION TABLES



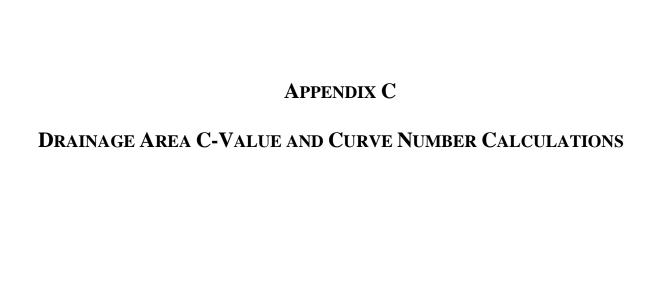
Project Name:	Yolanda <i>P</i>	\partr	nents						<u> </u>				, ,					, ,	_					 	 	
	Best Management	Detail		/	\s\ \s\ \s\	1,138	stitt.		in the state of th	311		1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	Sur in i	prio prio	STEP SER	Jride of	dentifi	er of Brune C	et diselect	tion	/	er notes.				
	Practice (BMP)	Sheet	Detail Title	/	<i>3</i>)/\	1397 C		× 6			01 61)	~	BIN	162	7 × 3/	Nu. 43	× / <	its.			\ Q_{II}			 	 	
Universal BMP- to be considered on all	Living Roof	N/A	N/A	_	Х	Х	Х		Х	Х		_		١.	X									 	 	
projects.	Rainwater Harvesting	N/A	N/A		Х	Х	Х			Χ)	X									 		
	Interceptor Trees	N/A	N/A		Х	Х	Х				х		Х													
Runoff Reduction	Bovine Terrace	RRM-01	Bovine Terrace		х						Х)	X											
Measures	Vegetated Buffer Strip	RRM-02	Vegetated Buffer Strip								Х			7.4	Х											
	Impervious Area Disconnection	N/A	N/A		Х	Х	Х				Х		Х													
Priority 1- to be installed with no	Bioretention	P1-02	Roadside Bioretention - no C & G						х	Х			х													
underdrains or liners. Must drain all stading	Vegetated Swale- with Bioretention	P1-06	Swale with Bioretention						х	Х				7	X											
water within 72 hours.	Constructed Wetlands	N/A	N/A						х	Х				2	Х											
		P2-02	Roadside Bioretinton - Flush Design Roadside						х	х			Х													
Priority 2 BMPs- with subsurface drains	Bioretention	P2-03	Roadside Bioretenion- Contiguous SW						Х	Х			х													
installed above the capture volume.		P2-04	Roadside Bioretenion- Curb Opening						х	х			Х													
		P2-05	Roadside Bioretenion- No C & G						х	Х				1	x											
	Constructed Wetlands	N/A	N/A						Х	Х)	X											

Date: December 2017

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	Best Management Practice (BMP)	Detail Sheet	Detail Title	/4	at je	Sed wi			die de la constant de	is edition		John Comments of the Comment of the	A AND IN THE PROPERTY OF THE P	Nes Nes	Je Jede de Life	to the state of th	<u>/</u> 51	dither hate's
		P3-02	Roadside Bioretinton - Flush Design Roadside	_	х	х	х		х					х				
Priority 3 BMPs- installed with subdrains and/or impermeable liner.	Bioretention	P3-03	Roadside Bioretenion- Contiguous SW		х	х	х		х					x				
Does not achieve volume capture and		P3-04	Roadside Bioretenion- Curb Opening		х	х	х		х					Х				
must be used as part of a treatment train.	Flow Through Planters	P3-05	Flow Through Planters		Х	Х	х		х					Х				
	Vagatated Swala	P3-06	With Bioretention		Х	Х	х		х	х				Х				
	Vegetated Swale	P3-07	Vegetated Swale		Х	Х	х		х					Х				
Priority 4 BMPs- does not achieve volume	Tree Filter Unit				Х	х	Х		х					X				
capture and must be used as part of a	Modular Bioretention				Х	х	х		х					Χ				
	Chambered																	
Priority 5 BMPs- does	Separator Units			-	Х	Х	Х	_	Х				<u> </u>	X				
not achieve volume capture and must be	Centrifugal Separator Units				Х	Х	Х		Х					X				
used as part of a	Trash Excluders				Х	Х	Х		Х					Х				
treatment train.	Filter Inserts				Х	х	х		х					Х				
						ī											1	
Priority 6 BMPs - see the "Offset Program" chapter for details.	Offset Program							ľ	N/A	N/A	N/A			X				
Other	Detention				х									Х				



Yolanda Apartments

325 Yolanda Ave. Prepared by Carlile Macy June 28, 2018

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1.00

Proposed C-Values and Curve Numbers for Preliminary Drainage Areas

			Permeable			
Surface Type	Asphalt	Concrete	Pavement	Rooftop	Landscape	Average Rainfall (in):
C-Value	0.70	0.80	0.60	0.90	0.55	K-Factor:
Curve Number	98	98	88	98	80	

Drainage			Surface Type	<u>e</u>		Total	Total		Curve
Area	Asphalt	Concrete	Pavers	Rooftop	Landscape	Area	Area	C-Value	
Alea	ft ²								
A 4							acres	C _{post}	CN _{Post}
A1	0	115	0	843	1,132	2,090	0.05	0.70	88.3
A2	4,074	1,333	2,241	1,962	5,030	14,641	0.34	0.67	90.3
A3	2,837	1,836	0	695	2,629	7,997	0.18	0.69	92.1
A4	4,376	1,836	0	2,840	2,843	11,895	0.27	0.73	93.7
A5	5,407	2,636	0	6,730	6,007	20,779	0.48	0.73	92.8
A6	5,033	693	0	4,549	7,666	17,941	0.41	0.69	90.3
A7	0	315	0	843	1,041	2,199	0.05	0.72	89.5
A8	7,458	2,737	0	1,755	4,106	16,056	0.37	0.70	93.4
A9	2,793	1,141	0	1,891	1,772	7,596	0.17	0.73	93.8
A10	0	806	0	4,227	2,484	7,517	0.17	0.77	92.1
A11	0	806	0	4,226	3,017	8,048	0.18	0.76	91.3
A12	0	528	0	2,063	1,503	4,094	0.09	0.76	91.4
A13	0	3,880	697	3,600	228	8,404	0.19	0.82	96.7
A14	4,438	4,256	702	3,705	1,232	14,334	0.33	0.76	96.0
A15	0	0	0	2,101	2,072	4,174	0.10	0.73	89.1
A16	0	0	0	2,126	1,806	3,932	0.09	0.74	89.7
A17	11,864	3,421	0	0	4,186	19,471	0.45	0.69	94.1
A18	0	476	1,242	0	464	2,182	0.05	0.63	88.5
A19	3,267	1,962	0	2,656	2,633	10,518	0.24	0.73	93.5
A20	4,592	5,980	0	9,232	2,342	22,146	0.51	0.79	96.1
A21	0	859	0	3,894	2,980	7,734	0.18	0.79	96.1
A22	0	0	0	4,200	2,502	6,702	0.18	0.75	91.1
A23	0	344	0	1,094	2,440	3,878	0.15	0.77	91.3
A24	0	3492	0	285	0	6163	0.09	0.67	86.7
A25	0	1,212	1,685	4,031	1,316	8,244	0.19	0.77	93.1
A26	0	2,150	0	9,550	8,124	19,824	0.46	0.75	90.6
A27	1,504	0	0	3,204	2,913	7,622	0.17	0.73	91.1
A28	5,100	2,892	0	7,142	1,381	16,515	0.38	0.79	96.5
A29	1,009	398	0	899	358	2,665	0.06	0.76	95.6
A30	0	285	0	3,801	2,452	6,538	0.15	0.76	91.2
A31	0	0	0	3,801	2,035	5,836	0.13	0.78	91.7
A32	3,217	706		3,490	2,991	10,403	0.24	0.73	92.8
A33	4,095	6,026	0	7,983	2,276	20,380	0.47	0.79	96.0
A34	0	0	0	1,765	1,442	3,207	0.07	0.74	89.9
A35	0	0	0	2,126	1,862	3,988	0.09	0.74	89.6
A36	0	0	0	3,801	1,874	5,675	0.13	0.78	92.1
A37	10,879	4,594	0	5,724	4,475	25,673	0.59	0.74	94.9
A38	3,254	176	0	0	3,065	6,495	0.15	0.63	89.5
A39	2,008	672	0	0	1,605	4,286	0.10	0.66	91.3
Total Site	85,197	57,890	6,566	122,835	95,615	373,553	8.58	0.73	91.8

Yolanda Apartments

325 Yolanda Ave. Prepared by Carlile Macy June 28, 2018

Interceptor Trees

			Existing
Drainage Area	Evergreen	Deciduous	Canopy
A1	0	2	0
A2	0	11	0
A3	0	3	0
A4	0	4	0
A5	0	12	0
A6	0	11	0
A7	0	3	0
A8	0	12	0
A9	0	6	0
A10	0	6	0
A11	0	10	0
A12	0	3	0
A13	0	10	0
A14	0	13	0
A15	0	4	0
A16	0	3	0
A17	0	11	0
A18	0	1	0
A19	0	4	0
A20	0	17	0
A21	0	8	0
A22	0	6	0
A23	0	6	0
A24	0	4	0
A25	0	4	0
A26	0	17	0
A27	0	4	0
A28	0	11	0
A29	0	2	0
A30	0	4	0
A31	0	4	0
A32	0	5	0
A33	0	15	0
A34	0	4	0
A35	0	3	0
A36	0	4	0
A37	0	21	0
A38	0	7	0
A39	0	3	0
Total Site	0	124	0

APPENDIX D DRAINAGE AREA CALCULATIONS

Yolanda Apartments

325 Yolanda Ave. Prepared by Carlile Macy June 28, 2018

BMP Summary Table and Design Requirements

						Requirement: I	Hydromodification, 10	0% Volume Capture
Drainage Area	Treatment Type	Width	Length	Depth	A _{Available}	V _{hydromod}	V _{achieved}	% Achieved
		ft	ft	ft	ft ²	ft ³	ft ³	
A1	Roadside Bioretention-No curb/gutter	5	13	1.5	63	36.69	37.50	102.2%
A2	Roadside Bioretention-Curb opening	14	31	2.0	434	335.82	347.20	103.4%
A3	Roadside Bioretention-Curb opening	14	24	2.0	336	255.10	268.80	105.4%
A4	Roadside Bioretention-Curb opening	14	40	2.0	560	437.98	448.00	102.3%
A5	Roadside Bioretention-Curb opening	14	59	2.0	826	656.64	660.80	100.6%
A6	Roadside Bioretention-Curb opening	14	39	2.0	546	433.90	436.80	100.7%
A7	Roadside Bioretention-No curb/gutter	5	15	2.0	109	734.49	750.40	102.2%
A8	Roadside Bioretention-Curb opening	14	51	2.0	714	565.72	571.20	101.0%
A9	Roadside Bioretention-Curb opening	14	24	2.0	336	267.70	268.80	100.4%
A10	Roadside Bioretention-No curb/gutter	15	23	1.5	345	198.71	207.00	104.2%
A11	Roadside Bioretention-No curb/gutter	15	21	1.5	315	185.63	189.00	101.8%
A12	Roadside Bioretention-No curb/gutter	10	17	1.5	170	98.00	102.00	104.1%
A13	Permeable Pavement	5	140	1.5	700	366.09	420.00	114.7%
A14	Permeable Pavement	5	140	2.5	700	620.92	700.00	112.7%
A15	Roadside Bioretention-No curb/gutter	10	15	1.5	150	78.11	90.00	115.2%
A16	Roadside Bioretention-No curb/gutter	10	15	1.5	150	82.77	90.00	108.7%
A17	Roadside Bioretention-Flush	15	43	3.0	664	771.40	774.00	100.3%
A18	Permeable Pavement	17	73	0.2	1241	37.64	82.73	219.8%
A19	Roadside Bioretention-Contiguous SW	10	48	2.0	480	375.32	384.00	102.3%
A20	Roadside Bioretention-Contiguous SW	6	134	3.0	804	952.25	964.80	101.3%
A21	Roadside Bioretention-No curb/gutter	15	36	1.5	540	312.95	324.00	103.5%
A22	Roadside Bioretention-No curb/gutter	15	20	1.5	300	152.97	162.00	105.9%
A23	Roadside Bioretention-No curb/gutter	10	16	1.5	160	93.09	96.00	103.1%
A24	Roadside Bioretention-No curb/gutter	5	36	1.5	180	102.34	108.00	105.5%
A25	Permeable Pavement	17	99	0.4	1683	231.20	280.50	121.3%
A26	Roadside Bioretention-No curb/gutter	18	45	1.5	810	449.92	486.00	108.0%
A27	Roadside Bioretention-Contiguous SW	10	25	2.0	250	192.24	200.00	104.0%
A28	Roadside Bioretention-Contiguous SW	10	90	2.0	900	715.57	720.00	100.6%
A29	Roadside Bioretention-Contiguous SW	10	15	2.0	150	112.49	120.00	106.7%
A30	Roadside Bioretention-No curb/gutter	10	28	1.5	280	155.33	168.00	108.2%
A31	Roadside Bioretention-No curb/gutter	10	25	1.5	250	145.44	150.00	103.1%
A32	Roadside Bioretention-Roadside Bioretention-Contiguous SW	10	42	2.0	420	331.35	336.00	101.4%
A33	Roadside Bioretention-Contiguous SW	6	124	3.0	744	886.40	892.80	100.7%
A34	Roadside Bioretention-No curb/gutter	10	124	1.5	120	63.15	72.00	114.0%
A34 A35	Roadside Bioretention-No curb/gutter	10	15	1.5	150	84.26	90.00	106.8%
A35 A36	Roadside Bioretention-No curb/gutter	10	25	1.5	250	84.26 146.66	150.00	102.3%
A36 A37	Roadside Bioretention-No curb/gutter	10	96	3.0	250 960	942.34	960.00	
								101.9%
A38	Roadside Bioretention-Flush	10	21	3.0	210	243.33	252.00	103.6%
A39	Roadside Bioretention-Flush	8	15	3.0	120	123.49	144.00	116.6%
	Total Site	430	1750	72.6	18119	12975.40	13504.33	104.1%

LID BMP Summary Page & Site Global Values				NOTE: In	NOTE: In order for this calculator to function properly, macros must be enabled.							
				or. This calculator and it's worksheets	Go to wy	ww.srcity.or	g/stormwate	erlid for the	latest versi	ion of this c	alculator.	
ire require	d to be sub	mitted with	n all projects containing LID fe	atures.							Rev. 8.8.	1 05012018
roject l	nformatio	n: (R	equired Information)	Click on Button to begin	Cell Col	or Key:	120					
Р	roject Name:	Yolanda A	Apartments	Calculations:	Yello	Yellow Cells - Data Input. Require information. User input or pick fro			or pick from	n drop down i		
	The state of the s	Santa Ros	7.20 (K.O.		Blue	Blue Cells		- Calculated results by worksheet.				
7,4410		Carlile Ma		BMP Data Input	Gree	Green Cells - Drop Down Value, Values/results from other worksheet			ets.			
	A CONTRACTOR OF THE PARTY.	6/28/2018	icy			n Buttons						
Date: 6/28/2018			Based upon the pre and post development impervious area or special condition*, the design	Retriev	Retrieve BMP Saved Data		S Select a BMP ID (Green Heading below) and then choose function: Retrieves the saved selected BMP data and loads into Input BMP Data worksheet(s). Will overwrite existing unsaved data in worksheets!					
			requirement is:	Selecte	lete ed BMP	Will Delete the selected BMP and it's save	t's saved d	I data.				
			r ost r roject.	100% Capture & Treatment	Print S	Selected MP	Print BMI		data of the	page (Sumr e selected E nt Selected	MP ID or Al	LL BMPs
			Board that infiltration will not be of NCRWQCB approval MUST	ACCOMMON CONTRACTOR	Work:	elected sheets				with the cload data		
						ĺ		D	esian Res	ults		
	Tributar	y Area		Requirements			Hydromo Con		Flow Base	Treatmen	Delta Volu	ıme Captu
BMP ID:	Tributary Area (ft²)	Reducti on Measure s (Y/N)	Type of Requirement Met:	Type of BMP Design		Percent Achieve d	Require d V _{Hydrama}	Achieve d (ft³)	d Q Treatme nt (cfs)	d Q	Require d Vdelta (ft³)	Achieved Vdelta (ft³)
A-1	2090	Yes	Hydromod Volume Capture	Priority 1: P1-02 Roadside Bioretention - No Curb and		102.22	36,6861	37.5000				
A-2 A-3	14641 7997		Hydromod Volume Capture Hydromod Volume Capture	Priority 2: P2-04 Roadside Bioretention - Curb Openin Priority 2: P2-04 Roadside Bioretention - Curb Openin		103.39 105.37		347.2000 268.8000				
A-4	11895		Hydromod Volume Capture	Priority 2: P2-04 Roadside Bioretention - Curb Openin			437.9789					
A-5	20779		Hydromod Volume Capture	Priority 2: P2-04 Roadside Bioretention - Curb Openin			656.6409					
A-6	17941		Hydromod Volume Capture	Priority 2: P2-04 Roadside Bioretention - Curb Openin			433.9015					
A-7	2199		Hydromod Volume Capture	Priority 1: P1-02 Roadside Bioretention - No Curb and		105.83		45.0000				
A-8	16056		Hydromod Volume Capture	Priority 2: P2-04 Roadside Bioretention - Curb Openin	ng .	100.97	565.7231	571.2000				
A-9	7596		Hydromod Volume Capture	Priority 2: P2-04 Roadside Bioretention - Curb Openin			267.7692					
A-10	7517	Yes	Hudromod Volume Capture	Priority 1: P1-02 Boadside Bioretention - No Curb and I	Gutter	104 17	198 7126	207 0000				

Priority 1: P1-02 Roadside Bioretention - No Curb and Gutter

Priority 1: P1-02 Roadside Bioretention - No Curb and Gutter

Priority 1: P1-02 Roadside Bioretention - No Curb and Gutter

Priority 1: P1-02 Roadside Bioretention - No Curb and Gutter

Priority 3: P3-03 Roadside Bioretention - Contiguous Sidewalk

Priority 3: P3-03 Roadside Bioretention - Contiguous Sidewalk

Priority 1: P1-02 Roadside Bioretention - No Curb and Gutter

Priority 1: P1-02 Roadside Bioretention - No Curb and Gutter

Priority 1: P1-02 Roadside Bioretention - No Curb and Gutter

Priority 1: P1-02 Roadside Bioretention - No Curb and Gutter

Priority 1: P1-02 Roadside Bioretention - No Curb and Gutter

Priority 2: P2-03 Roadside Bioretention - Contiguous Sidewalk

Priority 2: P2-03 Roadside Bioretention - Contiguous Sidewalk

Priority 2: P2-03 Roadside Bioretention - Contiguous Sidewalk

Priority 1: P1-02 Roadside Bioretention - No Curb and Gutter

Priority 1: P1-02 Roadside Bioretention - No Curb and Gutter

Priority 1: P1-02 Roadside Bioretention - No Curb and Gutter

Priority 1: P1-02 Roadside Bioretention - No Curb and Gutter

Priority 1: P1-02 Roadside Bioretention - No Curb and Gutter

Priority 2: P2-02 Roadside Bioretention - Flush Design

Priority 2: P2-02 Roadside Bioretention - Flush Design

Priority 2: P2-02 Roadside Bioretention - Flush Design

Priority 2: P2-03 Roadside Bioretention - Contiguous Sidewalk

Priority 2: P2-03 Roadside Bioretention - Contiguous Sidewalk

Priority 2: P2-02 Roadside Bioretention - Flush Design

Priority 2: P2-06 Permeable Pavement

Priority 2: P2-06 Permeable Payement

Priority 2: P2-06 Permeable Pavement

Priority 2: P2-06 Permeable Pavement

101.81

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103.15

104.03

100.62

102.04

108.16

99.75

99.16

100.72

114.02

106.81

102.28

103.56

185.6322

366.0923

620.9175

77.1637

82.7657

771.3983

37.6437

396,9734

952.2450

312.9525

151,2569

89.9697

106.2696

231.1982

471.1658

192.2447

715.5750

155.3287

150.3707

338.8431

63,14854

84.26033

146,6608

243.332

101.87 942.3396

116.61 123.4863

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189,0000

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72

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150

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A-35

A-36

A-37

A-38

A-39

8048 Yes

4094 Yes

8404 Yes

14334 Yes

4174 Yes

3932 Yes

19471 Yes

2182 Yes

10518 Yes

22146 Yes

7734 Yes

6702 Yes

3878 Yes

8244 Yes

19824 Yes

7622 Yes

16515 Yes

2665 Yes

6538 Yes

5836 Yes

10403 Yes

20380 Yes

3207 Yes

3988 Yes

5675 Yes

6495 Yes

4286 Yes

25673 Yes

6162.79004 Yes

Hydromod Volume Capture



BMP Tributary Parameters	Project Name: Yolanda Apartments
BMP ID: A-1	
BMP Design Criteria: 100% Capture & Treatmen	t
Type of BMP Design: Priority 1: P1-02 Roadside	Bioretention - No Curb and Gutter
BMP's Physical Tributary Area: 2,090.0 ft ²	
Description/Notes:	
Runoff Reduction Measures F	Resulting reduced Tributary Area used for BMP sizing = 1,679.3 ft ²
	Total Runoff Reduction Measures = 410.8 ft²
Interceptor Trees	
Number of <i>new</i> interceptor <i>Evergreen Trees</i> :	Total Number of New trees in BMP Tributary Area:
Number of <i>new</i> interceptor <i>Deciduous Trees</i> : 2	
Square footage of qualifying existing tree canopy: 0.0 ft ²	
Disconnected Roof Drains	
Select disconnection condition: Runoff is directed across I	andscape; Width of area: 5' to 9'
Disconnected Roof Drains Method 1	Disconnected Roof Drains Method 2
Roof area of disconnected downspouts: 843 ft ²	Percent of rooftop area: 0 %
	Select Density: 1 Units per Acre
Paved Area Disconnection	
Paved Area Type: Select paved area type	
Alternatively designed paved area: 0.0 ft ²	
Buffer Strips & Bovine Terraces	
Area draining to a Buffer Strip or Bovine Terrace: 0.0 ft ²	
Hydromodification Requirement: 100% Volume Capture; V _{HYD}	
Post development hydrologic soil type within tributary area: A: greater than 0.30 in/hr i	
Post development ground cover description: Brush: weed-grass mixture	e with brush major element - Poor (<50% ground cover)
User Composite post development CN: 88.0	
BMP Sizing Tool: Hydromodification Requirement	Percent of Goal Achieved = 102.22 %
BMP Volume Below Ground	Ponded
Porosity: 0.40	Water Above Ground
Depth below perforated pipe if present: 1.50 ft	Depth: 0.00 ft
Width: 5.00 ft	Width: 0.00 ft
Length: 12.50 ft	Length: 0.00 ft
Area:0.00 ft ²	Area: 0.00 ft ²



BMP Tributary Parameters	Project Name: Yolanda Apartments
BMP ID: A-2	
BMP Design Criteria: 100% Capture & Treatment	·
Type of BMP Design: Priority 2: P2-04 Roadside	Bioretention - Curb Opening
BMP's Physical Tributary Area: 14,641.0 ft ²	1
Description/Notes:	
	4
<u> </u>	
Runoff Reduction Measures R	esulting reduced Tributary Area used for BMP sizing = 12,154.1 ft ² Total Runoff Reduction Measures = 2,486.9 ft ²
Interceptor Trees	
Number of <i>new</i> interceptor <i>Evergreen Trees</i> : Number of <i>new</i> interceptor <i>Deciduous Trees</i> : Square footage of qualifying existing tree canopy: 0.0	Total Number of New trees in BMP Tributary Area: 11
Disconnected Roof Drains	
Select disconnection condition: Runoff is directed across la	andscape; Width of area: 5' to 9'
Disconnected Roof Drains Method 1	Disconnected Roof Drains Method 2
Roof area of disconnected downspouts: 1,962 ft ²	Percent of rooftop area: 0 %
	Select Density: 1 Units per Acre
Paved Area Disconnection	
Paved Area Type: Cobblestone/pavers/block	
Alternatively designed paved area: 2,241.0 ft ²	
Buffer Strips & Bovine Terraces	
Area draining to a Buffer Strip or Bovine Terrace: 0.0 ft ²	,
Hydromodification Requirement: 100% Volume Capture; V _{HYDI}	ROMOD $V_{HYDROMOD} = 335.82 \text{ ft}^3$
Post development hydrologic soil type within tributary area: A: greater than 0.30 in/hr ir	
Post development ground cover description: Brush: weed-grass mixture	with brush major element - Poor (<50% ground cover)
User Composite post development CN: 90.0	
Lancia de la constanta de la c	
BMP Sizing Tool: Hydromodification Requirement	Percent of Goal Achieved = 103.39 %
BMP Volume Below Ground	Ponded
Porosity: 0.40	Water Above Ground
Depth below perforated pipe if present: 2.00 ft	Depth: 0.00 ft
Width: 14.00 ft	Width: 0.00 ft
Length: 31.00 ft	Length: 0.00 ft
Area: 0.00 ft ²	Area: 0.00 ft ²



BMP Tributary Parameters	Project Name	: Yolanda Apartments
BMP ID: A-3		
BMP Design Criteria: 100%	Capture & Treatment	
Type of BMP Design: Priorit	y 2: P2-04 Roadside Bioretention - Curb Ope	ning
BMP's Physical Tributary Area:	7,997.0 ft ²	
Description/Notes:		
Runoff Reduction Measures	Resulting reduced Tribut	ary Area used for BMP sizing = 7,523.3 ft²
	To	otal Runoff Reduction Measures = 473.8 ft ²
Interceptor Trees		
Number of <i>new</i> interceptor <i>Evergreen Trees</i> : Number of <i>new</i> interceptor <i>Deciduous Trees</i> : Square footage of qualifying existing tree canopy:	0 Total Number of New tre	es in BMP Tributary Area: 3
Disconnected Roof Drains		
Select disconnection condition: Runof	f is directed across landscape; Width of area:	5' to 9'
Disconnected Roof Drains Method 1		
Roof area of disconnected downspouts:	Disconnected Roof D	
		ect Density: 1 Units per Acre
Paved Area Disconnection		
Paved Area Type: Cobble		
Alternatively designed paved area:	0.0 ft ²	
Buffer Strips & Bovine Terraces		
Area draining to a Buffer Strip or Bovine Terrace:	0.0 ft ²	
Hydromodification Requirement: 100% Volum	ıe Capture; V _{HYDROMOD}	$V_{HYDROMOD} = 255.10 \text{ ft}^3$
Post development hydrologic soil type within tributary area: A: gre	ater than 0.30 in/hr infiltration (transmission)	rate
Post development ground cover description: Brush	. weed-grass mixture with brush major elemen	t - Poor (<50% ground cover)
CN _{POST} :	- 400.400	
User Composite post development CN:	92.0	
BMP Sizing Tool: Hydromodification Requiren	nent gala	Percent of Goal Achieved = 105.37 %
	Volume	Ponded
Porosity:	Ground 0.40	Water Above
Depth below perforated pipe if present:	2.00 ft	Depth: 0.00 ft
Width:	14.00 ft	Width: 0.00 ft
Length:	24.00 ft	Length: 0.00 ft
Area:	0.00 ft ²	Area: 0.00 ft ²



BMP Tributary Parameters	Project Name: Yolanda Apartments
BMP ID: A-4	•
BMP Design Criteria: 100% Capture	& Treatment
Type of BMP Design: Priority 2: P2-	04 Roadside Bioretention - Curb Opening
BMP's Physical Tributary Area: 11,895.0	ft²
Description/Notes:	
L.	
Runoff Reduction Measures	Resulting reduced Tributary Area used for BMP sizing = 10,785.0 ft ²
	Total Runoff Reduction Measures = 1,110.0 ft ²
Interceptor Trees	
Number of <i>new</i> interceptor <i>Evergreen Trees</i> : 0	Total Number of New trees in BMP Tributary Area: 4
Number of new interceptor Deciduous Trees: 4	
Square footage of qualifying existing tree canopy: 0.0	\mathfrak{g}^2
Disconnected Roof Drains	
Select disconnection condition: Runoff is direct	eted across landscape; Width of area: 5' to 9'
Disconnected Roof Drains Method 1	Disconnected Roof Drains Method 2
Roof area of disconnected downspouts: 2,840	
	Select Density: 1 Units per Acre
Paved Area Disconnection	· · · · · · · · · · · · · · · · · · ·
Paved Area Type: Cobblestone/r	avers/block
Alternatively designed paved area: 0.0	
Buffer Strips & Bovine Terraces	
Area draining to a Buffer Strip or Bovine Terrace: 0.0	1 _{H2}
Hydromodification Requirement: 100% Volume Cap	
Post development hydrologic soil type within tributary area: A: greater tha	
	rass mixture with brush major element - Poor (<50% ground cover)
User Composite post development CN: 94.0	
BMP Sizing Tool: Hydromodification Requirement	Percent of Goal Achieved = 102.29 %
BMP Volume Below Ground	Ponded
Porosity: 0.40	Water Above Ground
Depth below perforated pipe if present: 2.00	ft Depth: 0.00 ft
Width: 14.00	`
Length: 40.00	
Area: 0.00	ft ² Area: 0.00 ft ²



BMP Tributary Parameters	Project Name:	Yolanda Apartments
BMP ID:	A-5	
BMP Design Criteria:	100% Capture & Treatment	·
Type of BMP Design:	Priority 2: P2-04 Roadside Bioretention - Curb Openi	ing
BMP's Physical Tributary Area:	20,779.0 ft ²	
Description/Notes:		
L		
Runoff Reduction Measures	Resulting reduced Tributa	ry Area used for BMP sizing = 17,896.5 ft ²
		al Runoff Reduction Measures = 2,882.5 ft ²
Interceptor Trees		
Number of new interceptor Evergreen Trees:	0 Total Number of New trees	s in BMP Tributary Area: 12
Number of new interceptor Deciduous Trees:	12	-
Square footage of qualifying existing tree canopy:	ft²	
Disconnected Roof Drains		
Select disconnection condition:	Runoff is directed across landscape; Width of area: 5	5' to 9'
Disconnected Roof Drains Method 1	Disconnected Roof Dr	ains Method 2
Roof area of disconnected downspouts:	6,730 ft ² Percent of roo	ftop area: 0 %
	Selec	t Density: 1 Units per Acre
Paved Area Disconnection		
	Cobblestone/pavers/block	
Alternatively designed paved area:	0.0 ft ²	
Buffer Strips & Bovine Terraces	en e	•
Area draining to a Buffer Strip or Bovine Terrace:	0.0 ft ²	
Hydromodification Requirement: 100% V	/olume Capture: Vuyppowop	V _{HYDROMOD} = 656.64 ft ³
<u> </u>	A: greater than 0.30 in/hr infiltration (transmission) ra	1
	Brush: weed-grass mixture with brush major element	
CN _{POST} :		
User Composite post development CN:	93.0	
BMP Sizing Tool: Hydromodification Req	uirement	Percent of Goal Achieved = 100.63 %
	BMP Volume	Ponded
l · · · · · · · · · · · · · · · · · · ·	Below Ground	Water Above
Porosity: Depth below perforated pipe if present:	0.40 2.00 ft	Ground Donth: 0.00 ft
Width:	14.00 ft	Depth: 0.00 ft Width: 0.00 ft
Length:	59.00 ft	Length: 0.00 ft
Area:	0.00 ft ²	Area: 0.00 ft ²



BMP Tributary Parameters	Project Name: Yolanda Apartments
BMP ID: A-6	
BMP Design Criteria: 100% Capt	ure & Treatment
Type of BMP Design: Priority 2:	P2-04 Roadside Bioretention - Curb Opening
	1.0 ft ²
Description/Notes:	
Runoff Reduction Measures	Resulting reduced Tributary Area used for BMP sizing = 15,703.8 ft ²
	Total Runoff Reduction Measures = 2,237.3 ft ²
Interceptor Trees	
Number of <i>new</i> interceptor <i>Evergreen Trees</i> :	Total Number of New trees in BMP Tributary Area: 11
Number of new interceptor Deciduous Trees:	11
Square footage of qualifying existing tree canopy:	0.0 ft ²
Disconnected Roof Drains	
Select disconnection condition: Runoff is d	irected across landscape; Width of area: 5' to 9'
Disconnected Roof Drains Method 1	Disconnected Roof Drains Method 2
· · · · · · · · · · · · · · · · · · ·	49 ft ² Percent of rooftop area: 0 %
·	Select Density: 1 Units per Acre
Paved Area Disconnection	
Paved Area Type: Cobbleston	ne/pavers/block
Alternatively designed paved area:	0.0 ft ²
Buffer Strips & Bovine Terraces	
Area draining to a Buffer Strip or Bovine Terrace:	0.0 _{ft²}
Hydromodification Requirement: 100% Volume C	apture; V _{HYDROMOD} = 433.90 ft ³
Post development hydrologic soil type within tributary area: A: greater	than 0.30 in/hr infiltration (transmission) rate
	d-grass mixture with brush major element - Poor (<50% ground cover)
CN _{POST:}	
User Composite post development CN: 9	0.0
BMP Sizing Tool: Hydromodification Requiremen	Percent of Goal Achieved = 100.67 %
BMP Volum	Foliaeu
Below Grou	11433.73073
	00 ft Width: 0.00 ft
	00 ft Length: 0.00 ft
Area: 0	00 ft ² Area: 0.00 ft ²



BMP Tributary Parameters	Project Name:	Yolanda Apartments
BMP ID:	4-7	
BMP Design Criteria: 1	100% Capture & Treatment	
Type of BMP Design:	Priority 1: P1-02 Roadside Bioretention - No Curb and	d Gutter
BMP's Physical Tributary Area:	2,199.0 ft²	
Description/Notes:		
·		
D #D (W		
Runoff Reduction Measures		y Area used for BMP sizing = 1,688.3 ft ² Il Runoff Reduction Measures = 510.8 ft ²
Interceptor Trees		
Number of <i>new</i> interceptor <i>Evergreen Trees</i> : Number of <i>new</i> interceptor <i>Deciduous Trees</i> : Square footage of qualifying existing tree canopy:	0 Total Number of New trees 3 0.0 ft ²	s in BMP Tributary Area: 3
Disconnected Roof Drains		
Select disconnection condition:	Runoff is directed across landscape; Width of area: 5	' to 9'
Disconnected Roof Drains Method 1	Disconnected Roof Dra	ains Method 2
Roof area of disconnected downspouts:	843 ft ² Percent of roof	ftop area: 0 %
	Select	t Density: 1 Units per Acre
Paved Area Disconnection	w [*]	
• • • • • • • • • • • • • • • • • • • •	Cobblestone/pavers/block	•
Alternatively designed paved area:	0.0 ft ²	·
Buffer Strips & Bovine Terraces		
Area draining to a Buffer Strip or Bovine Terrace:	0.0 ft ²	
Hydromodification Requirement: 100% V	olume Capture; V _{HYDROMOD}	$V_{HYDROMOD} = 42.52 \text{ ft}^3$
Post development hydrologic soil type within tributary area:	A: greater than 0.30 in/hr infiltration (transmission) rat	e
Post development ground cover description:	Brush: weed-grass mixture with brush major element -	Poor (<50% ground cover)
CN _{POST} :	000	
User Composite post development CN:	90.0	
BMP Sizing Tool: Hydromodification Requ	uirement	Percent of Goal Achieved = 105.83 %
	BMP Volume Below Ground	Ponded
Porosity:	0.40	Water Above Ground
Depth below perforated pipe if present:	1.50 ft	Depth: 0.00 ft
Width:	5.00 ft	Width: 0.00 ft
Length:	15.00 ft	Length: 0.00 ft
Area:	0.00 ft ²	Area: 0.00 ft ²



BMP Tributary Parameters	Project Name	e: Yolanda Apartments
BMP ID:		
BMP Design Criteria: 1	00% Capture & Treatment	
Type of BMP Design: F	Priority 2: P2-04 Roadside Bioretention - Curb Op	ening
BMP's Physical Tributary Area:	16,056.0 ft ²	
Description/Notes:		
Runoff Reduction Measures		tary Area used for BMP sizing = 14,417.3 ft ² otal Runoff Reduction Measures = 1,638.8 ft ²
Interceptor Trees	-	
Number of <i>new</i> interceptor <i>Evergreen Trees</i> : Number of <i>new</i> interceptor <i>Deciduous Trees</i> : Square footage of qualifying existing tree canopy:	0 Total Number of <u>New</u> tr 12 0.0 ft ²	ees in BMP Tributary Area: 12
Disconnected Roof Drains		
Select disconnection condition: F	Runoff is directed across landscape; Width of area	: 5' to 9'
Disconnected Roof Drains Method 1	Disconnected Roof	Drains Method 2
Roof area of disconnected downspouts:	1,755 ft ² Percent of r	ooftop area: 0 %
	Se	lect Density: 1 Units per Acre
Paved Area Disconnection		
	obblestone/pavers/block	
Alternatively designed paved area:	0.0 ft ²	
Buffer Strips & Bovine Terraces		
Area draining to a Buffer Strip or Bovine Terrace:	0.0 ft ²	
Hydromodification Requirement: 100% V	olume Capture; V _{HYDROMOD}	V _{HYDROMOD} = 565.72 ft ³
Post development hydrologic soil type within tributary area:	greater than 0.30 in/hr infiltration (transmission)	rate
	rush: weed-grass mixture with brush major eleme	nt - Poor (<50% ground cover)
CN _{POST:} User Composite post development CN:	93.0	
· · · · · · · · · · · · · · · · · · ·		
BMP Sizing Tool: Hydromodification Requ		Percent of Goal Achieved = 100.97 %
	BMP Volume Below Ground	Ponded
Porosity:	0.40	Water Above Ground
Depth below perforated pipe if present:	2.00 ft	Depth: 0.00 ft
Width:	14.00 ft	Width: 0.00 ft
Length: Area:	51.00 ft	Length: 0.00 ft
Alea.	0.00 ft ²	Area: 0.00 ft ²



BMP Tributary Parameters	Project Name: Yolanda Apartments	
BMP ID: A-9		
BMP Design Criteria: 100% Capture	e & Treatment	
Type of BMP Design: Priority 2: P2-	-04 Roadside Bioretention - Curb Opening	
BMP's Physical Tributary Area: 7,596.0	ft²	
Description/Notes:		
	44 ANN 2	
Runoff Reduction Measures	Resulting reduced Tributary Area used for BMP sizing =	6,523.3 ft ²
	Total Runoff Reduction Measures =	1,072.8 ft ²
Interceptor Trees		
Number of <i>new</i> interceptor <i>Evergreen Trees</i> : 0	Total Number of New trees in BMP Tributary Area: 6	
Number of <i>new</i> interceptor <i>Deciduous Trees</i> : 6		
Square footage of qualifying existing tree canopy: 0.0	$\overline{\mathbb{T}}^2$	
Disconnected Roof Drains		
Select disconnection condition: Runoff is direct	cted across landscape; Width of area: 5' to 9'	
Disconnected Roof Drains Method 1	Disconnected Roof Drains Method 2	
Roof area of disconnected downspouts: 1,891		
	Select Density: 1 Units per A	cre
Paved Area Disconnection		
Paved Area Type: Cobblestone/p	pavers/block	
	ft ²	
Buffer Strips & Bovine Terraces		
Area draining to a Buffer Strip or Bovine Terrace: 0.0	∏ft²	
Hydromodification Requirement: 100% Volume Cap	oture; V _{HYDROMOD} V _{HYDROMOD} =	267.77 ft ³
Post development hydrologic soil type within tributary area: A: greater tha	an 0.30 in/hr infiltration (transmission) rate	
	grass mixture with brush major element - Poor (<50% ground cover)	
CN _{POST} :		
User Composite post development CN: 94.0		
BMP Sizing Tool: Hydromodification Requirement	Percent of Goal Achieved =	100.38 %
BMP Volume	Ponded	•
Below Ground Porosity: 0.40	7	
Depth below perforated pipe if present: 2.00		
Width: 14.00		
Length: 24.00		
Area: 0.00	ft ² Area: 0.00 ft ²	



BMP Tributary Parameters	Project Name:	Yolanda Apartments
BMP ID:	A-10	
· ·	100% Capture & Treatment	
Type of BMP Design:	Priority 1: P1-02 Roadside Bioretention - No Curb an	d Gutter
BMP's Physical Tributary Area:	7,517.0 ft ²	
Description/Notes:		
Runoff Reduction Measures	Deculting we do not Taily to	Annual Control of the
		ry Area used for BMP sizing = 5,860.3 ft ² al Runoff Reduction Measures = 1,656.8 ft ²
Interceptor Trees	termination of the second of t	
Number of <i>new</i> interceptor <i>Evergreen Trees</i> : Number of <i>new</i> interceptor <i>Deciduous Trees</i> : Square footage of qualifying existing tree canopy:	Total Number of <u>New</u> trees 6 0.0 ft ²	s in BMP Tributary Area: 6
Disconnected Roof Drains	and the second of the second o	
Select disconnection condition:	Runoff is directed across landscape; Width of area: 5	' to 9'
Disconnected Roof Drains Method 1	Disconnected Roof Dra	ains Method 2
Roof area of disconnected downspouts:	4,227 ft ² Percent of root	
	Selec	t Density: 1 Units per Acre
Paved Area Disconnection		•
Paved Area Type: Alternatively designed paved area:	Cobblestone/pavers/block 0.0 ft²	
Buffer Strips & Bovine Terraces		
Area draining to a Buffer Strip or Bovine Terrace:	0.0 ft ²	
Hydromodification Requirement: 100% \	/olume Capture; V _{HYDROMOD}	V _{HYDROMOD} = 198.71 ft ³
Post development hydrologic soil type within tributary area:	A: greater than 0.30 in/hr infiltration (transmission) rat	
Post development ground cover description:	Brush: weed-grass mixture with brush major element	- Poor (<50% ground cover)
CN _{POST} : User Composite post development CN:	<u> </u>	
	92.0	-
BMP Sizing Tool: Hydromodification Req	•	Percent of Goal Achieved = 104.17 %
	BMP Volume Below Ground	Ponded Water Above
Porosity:	0.40	Ground
Depth below perforated pipe if present:	1.50 ft	Depth: 0.00 ft
Width:	15.00 ft	Width: 0.00 ft
Length: Area:	23.00 ft 0.00 ft ²	Length: 0.00 ft Area: 0.00 ft²
Alea.[0.00 III	Area:0.00 ft ²



BMP Tributary Parameters	Project Name: Yolanda Apartments	
BMP ID:	: A-11	
BMP Design Criteria:	: 100% Capture & Treatment	
Type of BMP Design:	Priority 1: P1-02 Roadside Bioretention - No Curb and Gutter	
BMP's Physical Tributary Area:	8,048.0 ft ²	
Description/Notes:		
Runoff Reduction Measures	Resulting reduced Tributary Area used for BMP sizing =	5,991.5 ft²
	Total Runoff Reduction Measures =	2,056.5 ft ²
Interceptor Trees		•
Number of new interceptor Evergreen Trees:	Total Number of New trees in BMP Tributary Area: 10	
Number of new interceptor Deciduous Trees:		
Square footage of qualifying existing tree canopy:	$0.0 ft^2$	
Disconnected Roof Drains		
Select disconnection condition:	Runoff is directed across landscape; Width of area: 5' to 9'	
Disconnected Roof Drains Method 1	Disconnected Roof Drains Method 2	
Roof area of disconnected downspouts:		
	Select Density: 1 Units per A	Acre
Paved Area Disconnection		
Paved Area Type:	: Cobblestone/pavers/block	
Alternatively designed paved area:	: 0.0 ft ²	
Buffer Strips & Bovine Terraces		
Area draining to a Buffer Strip or Bovine Terrace:	: 0.0 ft ²	
Hydromodification Requirement: 100% \	Volume Capture; V _{HYDROMOD} V _{HYDROMOD} =	185.63 ft ³
Post development hydrologic soil type within tributary area:	A: greater than 0.30 in/hr infiltration (transmission) rate	
	Brush: weed-grass mixture with brush major element - Poor (<50% ground cover)	
CN _{POST} :		
User Composite post development CN:	91.0	
BMP Sizing Tool: Hydromodification Rec	quirement Percent of Goal Achieved =	101.81 %
	BMP Volume Ponded	•
Porosity:	Below Ground Water Above	
Depth below perforated pipe if present:		
Width:		
Length:		
Area:		



BMP Tributary Parameters	Project Name: Yolanda Apartments
BMP ID: A-12	· L · · · · · · · · · · · · · · · · · ·
BMP Design Criteria: 100% Capture & Treatme	nt
Type of BMP Design: Priority 1: P1-02 Roadside Bioretention - No Curb and Gutter	
BMP's Physical Tributary Area: 4,094.0 ft ²	,
Description/Notes:	
•	
<u> </u>	
Runoff Reduction Measures	Resulting reduced Tributary Area used for BMP sizing = 3,278.3 ft ²
	Total Runoff Reduction Measures = 815.8 ft ²
Interceptor Trees	
Number of <i>new</i> interceptor <i>Evergreen Trees</i> :	Total Number of New trees in BMP Tributary Area: 3
Number of <i>new</i> interceptor <i>Deciduous Trees</i> :	
Square footage of qualifying existing tree canopy: 0.0 ft ²	
Disconnected Roof Drains	
Select disconnection condition: Runoff is directed across	landscape; Width of area: 5' to 9'
Disconnected Roof Drains Method 1	Disconnected Roof Drains Method 2
Roof area of disconnected downspouts: 2,063 ft ²	Percent of rooftop area: 0 %
	Select Density: 1 Units per Acre
Paved Area Disconnection	
Paved Area Type: Cobblestone/pavers/bloc	(
Alternatively designed paved area: 0.0 ft ²	
Buffer Strips & Bovine Terraces	
Area draining to a Buffer Strip or Bovine Terrace: 0.0 ft ²	
	-
Hydromodification Requirement: 100% Volume Capture; V _{HY}	DROMOD $V_{HYDROMOD} = 98.14 \text{ ft}^3$
Post development hydrologic soil type within tributary area: A: greater than 0.30 in/hr	
Post development ground cover description: Brush: weed-grass mixtu	re with brush major element - Poor (<50% ground cover)
CN _{POST} :	
User Composite post development CN: 91.0	·
BMP Sizing Tool: Hydromodification Requirement	Percent of Goal Achieved = 103.93 %
BMP Volume Below Ground	Ponded
Porosity: 0.40	Water Above Ground
Depth below perforated pipe if present: 1.50 ft	Depth: 0.00 ft
Width: 10.00 ft	Width: 0.00 ft
Length: 17.00 ft	Length: 0.00 ft
Area: 0.00 ft ²	Area: 0.00 ft ²



BMP Tributary Parameters	Project Name: Yolanda Apartments
BMP ID: A-13	
BMP Design Criteria: 100% Ca	oture & Treatment
Type of BMP Design: Priority 2	: P2-06 Permeable Pavement
I	104.0 ft ²
Description/Notes:	
L	
Runoff Reduction Measures	Resulting reduced Tributary Area used for BMP sizing = 6,225.4 ft²
	Total Runoff Reduction Measures = 2,178.6 ft ²
Interceptor Trees	
Number of <i>new</i> interceptor <i>Evergreen Trees</i> : Number of <i>new</i> interceptor <i>Deciduous Trees</i> : Square footage of qualifying existing tree canopy:	Total Number of New trees in BMP Tributary Area: 10 10 0.0 ft²
Disconnected Roof Drains	and the state of the
Select disconnection condition: Runoff is	directed across landscape; Width of area: 5' to 9'
Disconnected Roof Drains Method 1	Disconnected Roof Drains Method 2
· · · · · · · · · · · · · · · · · · ·	6,600 ft ² Percent of rooftop area: 0 %
	Select Density: 1 Units per Acre
Paved Area Disconnection	
Paved Area Type: Cobblest o	one/pavers/block
Alternatively designed paved area: 6	96.5 ft ²
Buffer Strips & Bovine Terraces	
Area draining to a Buffer Strip or Bovine Terrace:	0.0 ft ²
I I de la contra del la contra de la contra della contra	
Hydromodification Requirement: 100% Volume	· · · · · · · · · · · · · · · · · · ·
Post development hydrologic soil type within tributary area: A: greate	
	eed-grass mixture with brush major element - Poor (<50% ground cover)
CN _{POST:} User Composite post development CN:	97.0
BMP Sizing Tool: Hydromodification Requireme	
BMP Volu Below Gro	1 Ollucu
	0.40 Water Above Ground
Depth below perforated pipe if present:	1.50 ft Depth: 0.00 ft
	5.00 ft Width: 0.00 ft
	0.00 ft Length: 0.00 ft
Area:	0.00 ft^2 Area: 0.00 ft^2



BMP Tributary Parameters	Project Name	e: Yolanda Apartments
BMP ID: A-14		
BMP Design Criteria: 100% C	apture & Treatment	
Type of BMP Design: Priority	2: P2-06 Permeable Pavement	
BMP's Physical Tributary Area: 14	,334.0 ft ²	
Description/Notes:	-	
Runoff Reduction Measures	Resulting reduced Tribu	tary Area used for BMP sizing = 11,827.0 ft²
·	∵ т	otal Runoff Reduction Measures = 2,507.1 ft²
Interceptor Trees		
Number of new interceptor Evergreen Trees:	0 Total Number of New tr	ees in BMP Tributary Area: 13
Number of new interceptor Deciduous Trees:	13	•
Square footage of qualifying existing tree canopy:	0.0 _ft ²	
Disconnected Roof Drains		
Select disconnection condition: Runoff	s directed across landscape; Width of area	: 5' to 9'
Disconnected Roof Drains Method 1	Disconnected Roof	Drains Method 2
Roof area of disconnected downspouts:	3,705 ft ² Percent of the second of the sec	rooftop area: 0 %
	Se	lect Density: 1 Units per Acre
Paved Area Disconnection		
Paved Area Type: Cobble	tone/pavers/block	
Alternatively designed paved area:	702.0 ft ²	
Buffer Strips & Bovine Terraces		
Area draining to a Buffer Strip or Bovine Terrace:	0.0 ft ²	
Hydromodification Requirement: 100% Volum	e Capture; V _{HYDROMOD}	$V_{\text{HYDROMOD}} = 620.92 \text{ ft}^3$
Post development hydrologic soil type within tributary area: A: grea		
Post development ground cover description: Brush:	veed-grass mixture with brush major eleme	nt - Poor (<50% ground cover)
User Composite post development CN:	96.0	
	· · · · · · · · · · · · · · · · · · ·	
BMP Sizing Tool: Hydromodification Requirem		Percent of Goal Achieved = 112.74 %
BMP V		Ponded
Below (0.40	Water Above Ground
Depth below perforated pipe if present:	2.50 ft	Depth: 0.00 ft
Width:	5.00 ft	Width: 0.00 ft
· · · · · · · · · · · · · · · · · · ·	40.00 ft	Length: 0.00 ft
Area:		Area: 0.00 ft ²



BMP Tributary Parameters	Project Name: Yolanda Apartments
BMP ID: A-15	
BMP Design Criteria: 100% Capture & Treatr	nent
Type of BMP Design: Priority 1: P1-02 Road	side Bioretention - No Curb and Gutter
BMP's Physical Tributary Area: 4,174.0 ft ²	
Description/Notes:	
Runoff Reduction Measures	Resulting reduced Tributary Area used for BMP sizing = 3,248.8 ft ² Total Runoff Reduction Measures = 925.3 ft ²
Interceptor Trees	
Number of <i>new</i> interceptor <i>Evergreen Trees</i> : Number of <i>new</i> interceptor <i>Deciduous Trees</i> : Square footage of qualifying existing tree canopy: 0.0 ft ²	Total Number of New trees in BMP Tributary Area: 4
Disconnected Roof Drains	
Select disconnection condition: Runoff is directed acro	ss landscape; Width of area: 5' to 9'
Disconnected Roof Drains Method 1	Disconnected Roof Drains Method 2
Roof area of disconnected downspouts: 2,101 ft ²	Percent of rooftop area: 0 %
	Select Density: 1 Units per Acre
Paved Area Disconnection	
Paved Area Type: Cobblestone/pavers/bl	ock
Alternatively designed paved area: 0.0 ft ²	
Buffer Strips & Bovine Terraces	
Area draining to a Buffer Strip or Bovine Terrace: 0.0 ft ²	
Hydromodification Requirement: 100% Volume Capture; V	
Post development hydrologic soil type within tributary area: A: greater than 0.30 in	
Post development ground cover description: Brush: weed-grass mix	cture with brush major element - Poor (<50% ground cover)
User Composite post development CN: 89.0	
BMP Sizing Tool: Hydromodification Requirement	Percent of Goal Achieved = 116.64 %
BMP Volume Below Ground	Ponded
Porosity: 0.40	Water Above Ground
Depth below perforated pipe if present: 1.50 ft	Depth: 0.00 ft
Width: 10.00 ft	Width: 0.00 ft
Length: 15.00 ft	Length: 0.00 ft
Area: 0.00 ft ²	Area: 0.00 ft ²



BMP Tributary Parameters	Project Name: Yolanda Apartments
BMP ID:	
BMP Design Criteria:	100% Capture & Treatment
_	Priority 1: P1-02 Roadside Bioretention - No Curb and Gutter
BMP's Physical Tributary Area:	3,932.0 ft ²
Description/Notes:	
Runoff Reduction Measures	Resulting reduced Tributary Area used for BMP sizing = 3,100.5 ft ² Total Runoff Reduction Measures = 831.5 ft ²
Interceptor Trees	
Number of <i>new</i> interceptor <i>Evergreen Trees</i> : Number of <i>new</i> interceptor <i>Deciduous Trees</i> : Square footage of qualifying existing tree canopy:	Total Number of New trees in BMP Tributary Area: 3 0.0 ft ²
Disconnected Roof Drains	en e
Select disconnection condition:	Runoff is directed across landscape; Width of area: 5' to 9'
Disconnected Roof Drains Method 1 Roof area of disconnected downspouts:	Disconnected Roof Drains Method 2 2,126 ft² Percent of rooftop area: 0 %
Paved Area Disconnection	Select Density:1 Units per Acre
Paved Area Type: Alternatively designed paved area:	Cobblestone/pavers/block 0.0 ft ²
Buffer Strips & Bovine Terraces	
Area draining to a Buffer Strip or Bovine Terrace:	0.0 ft ²
Hydromodification Requirement: 100% \	/olume Capture; V _{HYDROMOD} = 82.77 ft ³
	A: greater than 0.30 in/hr infiltration (transmission) rate Brush: weed-grass mixture with brush major element - Poor (<50% ground cover) 90.0
BMP Sizing Tool: Hydromodification Requirement Percent of Goal Achieved = 108.74 %	
Porosity: Depth below perforated pipe if present: Width: Length: Area:	BMP Volume Below Ground Water Above 0.40 Ground 1.50 ft Depth: 0.00 ft 10.00 ft Width: 0.00 ft 15.00 ft Length: 0.00 ft 0.00 ft² Area: 0.00 ft²



BMP Tributary Parameters	Project Name:	Yolanda Apartments
BMP ID:	A-17	
BMP Design Criteria:	100% Capture & Treatment	
Type of BMP Design:	Priority 2: P2-02 Roadside Bioretention - Flush Desig	ın .
BMP's Physical Tributary Area:	19,471.0 ft ²	
Description/Notes:		
Runoff Reduction Measures	Resulting reduced Tributa	ry Area used for BMP sizing = 18,371.0 ft²
	Tota	al Runoff Reduction Measures = 1,100.0 ft ²
Interceptor Trees		
Number of new interceptor Evergreen Trees:	0 Total Number of New tree	s in BMP Tributary Area:
Number of <i>new</i> interceptor <i>Deciduous Trees</i> :	11	
Square footage of qualifying existing tree canopy:	0.0 ft ²	
Disconnected Roof Drains		
Select disconnection condition: Runoff is directed across landscape; Width of area: 5' to 9'		
Disconnected Roof Drains Method 1	Disconnected Roof Dr	ains Method 2
Roof area of disconnected downspouts:	0 ft ² Percent of roo	oftop area: 0 %
	Selec	ct Density: 1 Units per Acre
Paved Area Disconnection		
Paved Area Type:	Cobblestone/pavers/block	
Alternatively designed paved area:	0.0 ft ²	
Buffer Strips & Bovine Terraces		•
Area draining to a Buffer Strip or Bovine Terrace:	0.0 ft ²	
Hydromodification Requirement: 100% \	/olume Capture; V _{HYDROMOD}	$V_{\text{HYDROMOD}} = 771.40 \text{ ft}^3$
	A: greater than 0.30 in/hr infiltration (transmission) ra	
	Brush: weed-grass mixture with brush major element	- Poor (<50% ground cover)
CN _{POST} :	04.0	•
User Composite post development CN:	94.0	
BMP Sizing Tool: Hydromodification Rec	•	Percent of Goal Achieved = 100.34 %
	BMP Volume	Ponded
Porosity:	Below Ground 0.40	Water Above Ground
Depth below perforated pipe if present:	3.00 ft	Depth: 0.00 ft
Width:	15.00 ft	Width: 0.00 ft
Length:	43.00 ft	Length: 0.00 ft
Area:	0.00 ft ²	Area: 0.00 ft ²



BMP Tributary Parameters	Project Name: Yolanda Apartments
BMP ID: A-18	
BMP Design Criteria: 100% Capture & Treatment	
Type of BMP Design: Priority 2: P2-06 Permeab	le Pavement
BMP's Physical Tributary Area: 2,182.0 ft ²	
Description/Notes:	·
· ·	
Runoff Reduction Measures R	esulting reduced Tributary Area used for BMP sizing = 1,585.2 ft ²
	Total Runoff Reduction Measures = 596.8 ft ²
Interceptor Trees	
Number of <i>new</i> interceptor <i>Evergreen Trees</i> : 0	Total Number of New trees in BMP Tributary Area:
Number of <i>new</i> interceptor <i>Deciduous Trees</i> : 1	
Square footage of qualifying existing tree canopy: 0.0 ft ²	•
Disconnected Roof Drains	
Select disconnection condition: Runoff is directed across la	andscape; Width of area: 5' to 9'
Disconnected Roof Drains Method 1	Disconnected Roof Drains Method 2
Roof area of disconnected downspouts: 0 ft ²	Percent of rooftop area: 0 %
	Select Density: 1 Units per Acre
Paved Area Disconnection	
Paved Area Type: Cobblestone/pavers/block	
Alternatively designed paved area: 1,242.0 ft ²	
Buffer Strips & Bovine Terraces	
Area draining to a Buffer Strip or Bovine Terrace: 0.0 ft ²	
Hydromodification Requirement: 100% Volume Capture; V _{HYD}	
Post development hydrologic soil type within tributary area: A: greater than 0.30 in/hr in	nfiltration (transmission) rate
Post development ground cover description: Brush: weed-grass mixture	with brush major element - Poor (<50% ground cover)
CN _{POST:} User Composite post development CN: 89.0	
BMP Sizing Tool: Hydromodification Requirement	Percent of Goal Achieved = 219.78 %
BMP Volume Below Ground	Ponded
Porosity: 0.40	Water Above Ground
Depth below perforated pipe if present: 0.17 ft	Depth: 0.00 ft
Width: 17.00 ft	Width: 0.00 ft
Length: 73.00 ft	Length: 0.00 ft
Area: 0.00 ft ²	Area:ft²



BMP Tributary Parameters	Project Name: Yolanda Apartments
BMP ID: A-19	
BMP Design Criteria: 100% Capture & Treatm	ent
Type of BMP Design: Priority 3: P3-03 Roads	side Bioretention - Contiguous Sidewalk
BMP's Physical Tributary Area: 10,518.0 ft ²	
Description/Notes:	
Runoff Reduction Measures	Resulting reduced Tributary Area used for BMP sizing = 9,454.0 ft ²
	Total Runoff Reduction Measures = 1,064.0 ft ²
Interceptor Trees	
Number of <i>new</i> interceptor <i>Evergreen Trees</i> :	Total Number of New trees in BMP Tributary Area: 4
Number of new interceptor Deciduous Trees: 4	Total Number of New trees in Divir Tributary Area.
Square footage of qualifying existing tree canopy: 0.0 ft ²	
Disconnected Roof Drains	
Select disconnection condition: Runoff is directed acros	s landscape: Width of area: 5' to 9'
Disconnected Roof Drains Method 1	Disconnected Roof Drains Method 2
Roof area of disconnected downspouts: 2,656 ft ²	Percent of rooftop area: 0 %
·	Select Density: 1 Units per Acre
Paved Area Disconnection	
Paved Area Type: Cobblestone/pavers/blo	ck
Alternatively designed paved area: 0.0 ft ²	
Buffer Strips & Bovine Terraces	
Area draining to a Buffer Strip or Bovine Terrace: 0.0 ft ²	
Hydromodification Requirement: 100% Volume Capture; V	YDROMOD V _{HYDROMOD} = 396.97 ft ³
Post development hydrologic soil type within tributary area: A: greater than 0.30 in/i	*
Post development ground cover description: Brush: weed-grass mixt	ure with brush major element - Poor (<50% ground cover)
CN _{POST} :	·
User Composite post development CN: 94.0	
BMP Sizing Tool: Hydromodification Requirement	Percent of Goal Achieved = 96.73 %
BMP Volume	Ponded
Below Ground Porosity: 0.40	Water Above Ground
Depth below perforated pipe if present: 2.00 ft	Depth: 0.00 ft
Width: 10.00 ft	Width: 0.00 ft
Length: 48.00 ft	Length: 0.00 ft
Area: 0.00 ft ²	Area: 0.00 ft ²



BMP Tributary Parameters	Project Name: Yolanda Apartments
BMP ID: A-20	
BMP Design Criteria: 100% Capture & Treatmen	nt
Type of BMP Design: Priority 3: P3-03 Roadsid	de Bioretention - Contiguous Sidewalk
BMP's Physical Tributary Area: 22,146.0 ft ²	
Description/Notes:	
Runoff Reduction Measures	Resulting reduced Tributary Area used for BMP sizing = 18,138.0 ft ² Total Runoff Reduction Measures = 4,008.0 ft ²
Interceptor Trees	
Number of <i>new</i> interceptor <i>Evergreen Trees</i> : 0 Number of <i>new</i> interceptor <i>Deciduous Trees</i> : 17 Square footage of qualifying existing tree canopy: 0.0 ft ²	Total Number of New trees in BMP Tributary Area: 17
Disconnected Roof Drains	
Select disconnection condition: Runoff is directed across	landscape; Width of area: 5' to 9'
Disconnected Roof Drains Method 1	Disconnected Roof Drains Method 2
Roof area of disconnected downspouts: 9,232 ft ²	Percent of rooftop area: 0 %
	Select Density: 1 Units per Acre
Paved Area Disconnection	
Paved Area Type: Cobblestone/pavers/block	C
Alternatively designed paved area: 0.0 ft ²	
Buffer Strips & Bovine Terraces	
Area draining to a Buffer Strip or Bovine Terrace: 0.0 ft ²	
Hydromodification Requirement: 100% Volume Capture; V _{HY}	DROMOD $V_{HYDROMOD} = 952.25 \text{ ft}^3$
Post development hydrologic soil type within tributary area: A: greater than 0.30 in/hr	infiltration (transmission) rate
Post development ground cover description: Brush: weed-grass mixture	e with brush major element - Poor (<50% ground cover)
User Composite post development CN: 96.0	
BMP Sizing Tool: Hydromodification Requirement	Percent of Goal Achieved = 101.32 %
BMP Volume Below Ground	Ponded
Porosity: 0.40	Water Above Ground
Depth below perforated pipe if present: 3.00 ft	Depth: 0.00 ft
Width: 6.00 ft	Width: 0.00 ft
Length: 134.00 ft	Length: 0.00 ft
Area: 0.00 ft ²	Area: 0.00 ft ²



BMP Tributary Parameters		Project Name:	Yolanda Apartments
BMP ID:	A-21	_	
BMP Design Criteria:	100% Capture & Treatment		
Type of BMP Design:	Priority 1: P1-02 Roadside Bioretention	on - No Curb and	d Gutter
BMP's Physical Tributary Area:	7,734.0 ft ²		
Description/Notes:			
Runoff Reduction Measures	Resulting re		y Area used for BMP sizing = 5,960.5 ft ² I Runoff Reduction Measures = 1,773.5 ft ²
Interceptor Trees			
Number of <i>new</i> interceptor <i>Evergreen Trees</i> : Number of <i>new</i> interceptor <i>Deciduous Trees</i> : Square footage of qualifying existing tree canopy:	0 Total Nur 8 0.0 ft ²	nber of <u>New</u> trees	in BMP Tributary Area: 8
Disconnected Roof Drains			
Select disconnection condition:	Runoff is directed across landscape;	Width of area: 5'	to 9'
Disconnected Roof Drains Method 1	Discon	nected Roof Dra	ins Method 2
Roof area of disconnected downspouts:	3,894 ft ²	Percent of roof	top area: 0 %
		Select	Density: 1 Units per Acre
Paved Area Disconnection			•
	Cobblestone/pavers/block		
Alternatively designed paved area:	0.0 ft ²		
Buffer Strips & Bovine Terraces			
Area draining to a Buffer Strip or Bovine Terrace:	0.0 ft ²		
Hydromodification Requirement: 100% \	/olume Canture: Vingagous		V _{HYDROMOD} = 312.95 ft ³
Post development hydrologic soil type within tributary area:		ronomicoien) ret	
Post development ground cover description:			
CN _{POST} :		,0	· · · · · · · · · · · · · · · · · · ·
User Composite post development CN:	96.0		
BMP Sizing Tool: Hydromodification Req	uirement		Percent of Goal Achieved = 103.53 %
	BMP Volume		Ponded
Porosity (Below Ground		Water Above
Porosity: Depth below perforated pipe if present:	0.40 1.50 ft		Depth: 0.00 ft
Width:	15.00 ft		Depth: 0.00 ft Width: 0.00 ft
Length:	36.00 ft		Length: 0.00 ft
Area:	0.00 ft ²		Area: 0.00 ft ²



BMP Tributary Parameters		Project Name: `	Yolanda Apartments
BMP ID:	A-22	-	
BMP Design Criteria:	100% Capture & Treatment		
Type of BMP Design:	Priority 1: P1-02 Roadside Bio	retention - No Curb and	d Gutter
BMP's Physical Tributary Area:	6,702.0 ft ²		
Description/Notes:			
Runoff Reduction Measures	Resul	_	y Area used for BMP sizing = $5,052.0$ ft ² ll Runoff Reduction Measures = $1,650.0$ ft ²
Interceptor Trees	2. 2.5342		
Number of <i>new</i> interceptor <i>Evergreen Trees</i> : Number of <i>new</i> interceptor <i>Deciduous Trees</i> : Square footage of qualifying existing tree canopy:	0 6 0.0 ft ²	otal Number of <u>New</u> trees	in BMP Tributary Area: 6
Disconnected Roof Drains			
Select disconnection condition:	Runoff is directed across lands	cape; Width of area: 5	' to 9'
Disconnected Roof Drains Method 1 Roof area of disconnected downspouts:	4,200 ft ²	Disconnected Roof Dra Percent of roof Select	
Paved Area Disconnection			·
Paved Area Type: Alternatively designed paved area:	Cobblestone/pavers/block 0.0 ft ²		
Buffer Strips & Bovine Terraces			•
Area draining to a Buffer Strip or Bovine Terrace:	0.0 ft ²		
Hydromodification Requirement: 100% V	/olume Capture; V _{HYDROM}	OD	V _{HYDROMOD} = 151.26 ft ³
Post development hydrologic soil type within tributary area: Post development ground cover description: CN _{POST:} User Composite post development CN:			
BMP Sizing Tool: Hydromodification Req	uirement		Percent of Goal Achieved = 107.10 %
Porosity: Depth below perforated pipe if present: Width: Length: Area:	BMP Volume Below Ground 0.40 1.50 ft 15.00 ft 18.00 ft 0.00 ft²		Ponded Water Above Ground Depth: 0.00 ft Width: 0.00 ft Length: 0.00 ft Area: 0.00 ft²



BMP Tributary Parameters	Project Name:	Yolanda Apartments
BMP ID: A-23		
BMP Design Criteria: 100%	Capture & Treatment	
Type of BMP Design: Priori	y 1: P1-02 Roadside Bioretention - No Curb ar	nd Gutter
BMP's Physical Tributary Area:	3,878.0 ft ²	
Description/Notes:		
		-
Runoff Reduction Measures	-	ary Area used for BMP sizing = 3,004.5 ft ² tal Runoff Reduction Measures = 873.5 ft ²
Interceptor Trees		The second secon
Number of <i>new</i> interceptor <i>Evergreen Trees</i> : Number of <i>new</i> interceptor <i>Deciduous Trees</i> : Square footage of qualifying existing tree canopy:	0 Total Number of New tree 0.0 ft^2	es in BMP Tributary Area: 6
Disconnected Roof Drains	·	
Select disconnection condition: Runo	f is directed across landscape; Width of area:	5' to 9'
Disconnected Roof Drains Method 1	Disconnected Roof Di	rains Method 2
Roof area of disconnected downspouts:	1,094 ft ² Percent of roo	·
	Sele	ct Density: 1 Units per Acre
Paved Area Disconnection	• • • • • • • • • • • • • • • • • • •	
Paved Area Type: Cobb]
Alternatively designed paved area:	0.0 ft ²	
Buffer Strips & Bovine Terraces		•
Area draining to a Buffer Strip or Bovine Terrace:	0.0 ft ²	
Hydromodification Requirement: 100% Volur	ne Capture; V _{HYDROMOD}	V _{HYDROMOD} = 89.97 ft ³
Post development hydrologic soil type within tributary area: A: gro		ate
Post development ground cover description: Brush		
CN _{POST} :	the street	
User Composite post development CN:	91.0	
BMP Sizing Tool: Hydromodification Require	nent 🔩 🛒 💮 💮	Percent of Goal Achieved = 106.70 %
	Volume	Ponded
Porosity:	0.40	Water Above Ground
Depth below perforated pipe if present:	1.50 ft	Depth: 0.00 ft
Width:	10.00 ft	Width: 0.00 ft
Length: Area:	16.00 ft 0.00 ft ²	Length: 0.00 ft Area: 0.00 ft ²
Alea.		/110a



BMP Tributary Parameters	Project Name:	Yolanda Apartments
BMP ID: A	-24	
BMP Design Criteria: 1	00% Capture & Treatment	
Type of BMP Design: P	riority 1: P1-02 Roadside Bioretention - No Curb a	nd Gutter
BMP's Physical Tributary Area:	6,162.8 ft ²	
Description/Notes:		
Runoff Reduction Measures	_	ary Area used for BMP sizing = 5,691.6 ft ² tal Runoff Reduction Measures = 471.2 ft ²
Interceptor Trees	·	
Number of <i>new</i> interceptor <i>Evergreen Trees</i> : Number of <i>new</i> interceptor <i>Deciduous Trees</i> : Square footage of qualifying existing tree canopy:	$egin{array}{cccccccccccccccccccccccccccccccccccc$	es in BMP Tributary Area: 4
Disconnected Roof Drains		•
Select disconnection condition: R	unoff is directed across landscape; Width of area:	5' to 9'
Disconnected Roof Drains Method 1	Disconnected Roof Di	rains Method 2
Roof area of disconnected downspouts:	285 ft ² Percent of roc	oftop area: 0 % ct Density: 1 Units per Acre
Paved Area Disconnection		sine poi / ele
	obblestone/pavers/block]
Alternatively designed paved area:	0.0 ft ²	
Buffer Strips & Bovine Terraces	en de la companya del companya de la companya del companya de la c	
Area draining to a Buffer Strip or Bovine Terrace:	0.0 ft ²	
Hydromodification Requirement: 100% Vo	olume Capture; V _{HYDROMOD}	V _{HYDROMOD} = 106.27 ft ³
Post development hydrologic soil type within tributary area: A		
[rush: weed-grass mixture with brush major element	- Poor (<50% ground cover)
CN _{POST:} User Composite post development CN:	87.0	
BMP Sizing Tool: Hydromodification Requ		Percent of Goal Achieved = 101.63 %
	BMP Volume Below Ground	Ponded
Porosity:	0.40	Water Above Ground
Depth below perforated pipe if present:	1.50 ft	Depth: 0.00 ft
Width:	5.00 ft	Width: 0.00 ft
Length:Area:	36.00 ft 0.00 ft ²	Length: 0.00 ft Area: 0.00 ft ²
1404.	0.00	A.ca. 0.00 II



BMP Tributary Parameters	Project Name:	Yolanda Apartments
BMP ID:	A-25	
BMP Design Criteria:	100% Capture & Treatment	
Type of BMP Design:	Priority 2: P2-06 Permeable Pavement	•
BMP's Physical Tributary Area:	8,244.0 ft ²	
Description/Notes:		
		Provide the second seco
Runoff Reduction Measures		ry Area used for BMP sizing = 6,162.3 ft ² al Runoff Reduction Measures = 2,081.8 ft ²
Interceptor Trees		
Number of <i>new</i> interceptor <i>Evergreen Trees</i> : Number of <i>new</i> interceptor <i>Deciduous Trees</i> : Square footage of qualifying existing tree canopy:	Total Number of New trees	s in BMP Tributary Area: 4
Disconnected Roof Drains		•
Select disconnection condition:	Runoff is directed across landscape; Width of area: 5	5' to 9'
Disconnected Roof Drains Method 1	Disconnected Roof Dr	ains Method 2
Roof area of disconnected downspouts:	4,031 ft ² Percent of roo	· · · · · · · · · · · · · · · · · · ·
	Selec	t Density: 1 Units per Acre
Paved Area Disconnection		·
· · · · · · · · · · · · · · · · · · ·	Cobblestone/pavers/block	
Alternatively designed paved area:	1,685.0 ft ²	
Buffer Strips & Bovine Terraces		
Area draining to a Buffer Strip or Bovine Terrace:	0.0 ft ²	
Hydromodification Requirement: 100% \	/olume Capture; V _{HYDROMOD}	V _{HYDROMOD} = 231.20 ft ³
Post development hydrologic soil type within tributary area:	A: greater than 0.30 in/hr infiltration (transmission) ra	
	Brush: weed-grass mixture with brush major element	
CN _{POST} :	anga Kare congres	_
User Composite post development CN:	93.0	
BMP Sizing Tool: Hydromodification Rec	uirement piane li	Percent of Goal Achieved = 121.32 %
	BMP Volume	Ponded
Porosity:	Below Ground 0.40	Water Above Ground
Depth below perforated pipe if present:	0.42 ft	Depth: 0.00 ft
Width:	17.00 ft	Width: 0.00 ft
Length:	99.00 ft	Length: 0.00 ft
Area:	0.00 ft ²	Area: 0.00 ft ²



BMP Tributary Parameters	Project Name: Yoland	da Apartments
BMP ID: A-26		
BMP Design Criteria: 100% Capture & Treatment		
Type of BMP Design: Priority 1: P1-02 Roadside Bi	oretention - No Curb and Gutt	ter
BMP's Physical Tributary Area: 19,824.0 ft ²		
Description/Notes:		
		·
Runoff Reduction Measures Res	ulting reduced Tributary Are	ea used for BMP sizing = 15,736.5 ft²
	Total Runo	off Reduction Measures = 4,087.5 ft ²
Interceptor Trees		
Number of <i>new</i> interceptor <i>Evergreen Trees</i> :	Total Number of New trees in BM	MP Tributary Area: 17
Number of <i>new</i> interceptor <i>Deciduous Trees</i> :	(man, talu	,
Square footage of qualifying existing tree canopy: 0.0 ft ²		•
Disconnected Roof Drains		
Select disconnection condition: Runoff is directed across land	scape; Width of area: 5' to 9'	
Disconnected Roof Drains Method 1	Disconnected Roof Drains M	lethod 2
Roof area of disconnected downspouts: 9,550 ft ²	Percent of rooftop are	ea: 0 %
	Select Dens	sity:1 Units per Acre
Paved Area Disconnection		
Paved Area Type: Cobblestone/pavers/block		
Alternatively designed paved area: 0.0 ft ²		
Buffer Strips & Bovine Terraces		
Area draining to a Buffer Strip or Bovine Terrace: 0.0 ft ²	<u> </u>	
Hydromodification Requirement: 100% Volume Capture; V _{HYDRO}		$V_{\text{HYDROMOD}} = 471.17 \text{ ft}^3$
Post development hydrologic soil type within tributary area: A: greater than 0.30 in/hr infil		
Post development ground cover description: Brush: weed-grass mixture w	th brush major element - Poor	(<50% ground cover)
User Composite post development CN: 91.0		
BMP Sizing Tool: Hydromodification Requirement	Р	ercent of Goal Achieved = 103.15 %
BMP Volume Below Ground		Ponded Water Above
Porosity: 0.40		Ground
Depth below perforated pipe if present: 1.50 ft	Dep	oth: 0.00 ft
Width: 18.00 ft	Wid	
Length: 45.00 ft	Leng	
Area: 0.00 ft ²	Are	ea: 0.00 ft ²



BMP Tributary Parameters	Project Name:	Yolanda Apartments
BMP ID:	A-27	
BMP Design Criteria:	100% Capture & Treatment]
Type of BMP Design:	Priority 2: P2-03 Roadside Bioretention - Contiguou	s Sidewalk
BMP's Physical Tributary Area:	7,622.0 ft ²	
Description/Notes:		
	·	
. L	•	
Runoff Reduction Measures	Resulting reduced Tributa	ary Area used for BMP sizing = 6,421.0 ft²
	Tot	tal Runoff Reduction Measures = 1,201.0 ft²
Interceptor Trees		
Number of new interceptor Evergreen Trees:	0 Total Number of New tree	es in BMP Tributary Area: 4
Number of new interceptor Deciduous Trees:	4	· · · · · · · · · · · · · · · · · · ·
Square footage of qualifying existing tree canopy:	ft²	
Disconnected Roof Drains		
Select disconnection condition:	Runoff is directed across landscape; Width of area:	5' to 9'
Disconnected Roof Drains Method 1	Disconnected Roof Di	rains Method 2
Roof area of disconnected downspouts:	3,204 ft ² Percent of roo	oftop area: 0 %
	Sele	ct Density: 1 Units per Acre
Paved Area Disconnection		
Paved Area Type:	Cobblestone/pavers/block]
Alternatively designed paved area:	0.0 ft ²	
Buffer Strips & Bovine Terraces		
Area draining to a Buffer Strip or Bovine Terrace:	0.0 ft ²	
Hydromodification Requirement: 100% V	Volume Canture: V	V _{HYDROMOD} = 192.24 ft ³
	A: greater than 0.30 in/hr infiltration (transmission) ra	<u> </u>
	Brush: weed-grass mixture with brush major element	
CN _{POST:}		1 con (loom ground cover)
User Composite post development CN:	91.0	
BMP Sizing Tool: Hydromodification Req	uirement	Percent of Goal Achieved = 104.03 %
	BMP Volume	Ponded
	Below Ground	Water Above
Porosity: Depth below perforated pipe if present:	0.40	Ground
Width:	2.00 ft 10.00 ft	Depth: 0.00 ft Width: 0.00 ft
Length:	25.00 ft	Length: 0.00 ft
Area:	0.00 ft ²	Area: 0.00 ft ²



BMP Tributary Parameters	Project Name:	Yolanda Apartments
BMP ID: A-28		
BMP Design Criteria: 100% Capture & Treatment]
Type of BMP Design: Priority 2: P2-03 Roadside	Bioretention - Contiguous	s Sidewalk
BMP's Physical Tributary Area: 16,515.0 ft²		
Description/Notes:		
Runoff Reduction Measures Re	sulting reduced Tributa	ary Area used for BMP sizing = 13,629.5 ft²
		tal Runoff Reduction Measures = 2,885.5 ft ²
Interceptor Trees		
Number of <i>new</i> interceptor <i>Evergreen Trees</i> : 0	Total Number of New tree	es in BMP Tributary Area: 11
Number of <i>new</i> interceptor <i>Deciduous Trees</i> :		
Square footage of qualifying existing tree canopy: 0.0 ft ²		
Disconnected Roof Drains		·
Select disconnection condition: Runoff is directed across la	ndscape; Width of area:	5' to 9'
Disconnected Roof Drains Method 1	Disconnected Roof Dr	rains Method 2
Roof area of disconnected downspouts: 7,142 ft ²	Percent of roo	oftop area: 0 %
	Selec	ct Density: 1 Units per Acre
Paved Area Disconnection		
Paved Area Type: Cobblestone/pavers/block		
Alternatively designed paved area: 0.0 ft ²		
Buffer Strips & Bovine Terraces		
Area draining to a Buffer Strip or Bovine Terrace: 0.0 ft ²		
Hydromodification Requirement: 100% Volume Capture; V _{HYDF}	ROMOD	V _{HYDROMOD} = 715.58 ft ³
Post development hydrologic soil type within tributary area: A: greater than 0.30 in/hr in	filtration (transmission) ra	ate
Post development ground cover description: Brush: weed-grass mixture	with brush major element	- Poor (<50% ground cover)
CN _{POST} :		
User Composite post development CN: 96.0		
BMP Sizing Tool: Hydromodification Requirement		Percent of Goal Achieved = 100.62 %
BMP Volume		Ponded
Below Ground Porosity: 0.40		Water Above Ground
Depth below perforated pipe if present: 2.00 ft		Depth: 0.00 ft
Width: 10.00 ft		Width: 0.00 ft
Length: 90.00 ft	-	Length: 0.00 ft
Area: 0.00 ft ²		Area: 0.00 ft ²



BMP Tributary Parameters	-	Project Name: Yola	nda Apartments
BMP ID: A-	29		
BMP Design Criteria: 10	0% Capture & Treatment		
Type of BMP Design: Pr	iority 2: P2-03 Roadside Biore	ention - Contiguous Side	ewalk
BMP's Physical Tributary Area:	2,665.0 ft ²		
Description/Notes:			
Runoff Reduction Measures	Resulti		ea used for BMP sizing = 2,240.3 ft²
		Total Rui	noff Reduction Measures = 424.8 ft ²
Interceptor Trees	The state of the s		
Number of new interceptor Evergreen Trees:		I Number of <u>New</u> trees in B	MP Tributary Area: 2
Number of new interceptor Deciduous Trees: Square footage of qualifying existing tree canopy:	2 0.0 ft ²	•	
	0.0_]ft ²		
Disconnected Roof Drains			
Select disconnection condition: Ru	unoff is directed across landsca	pe; Width of area: 5' to 9	r
Disconnected Roof Drains Method 1		sconnected Roof Drains I	
Roof area of disconnected downspouts:	899 ft ²	Percent of rooftop a	
David Area Discourse (for		Select Den	nsity: 1 Units per Acre
Paved Area Disconnection			
	obblestone/pavers/block		
Alternatively designed paved area:	0.0 ft ²		
Buffer Strips & Bovine Terraces			
Area draining to a Buffer Strip or Bovine Terrace:	0.0 ft ²		
Hydromodification Requirement: 100% Vo	lume Capture; V _{HYDROMOD}		V _{HYDROMOD} = 117.60 ft ³
Post development hydrologic soil type within tributary area: A:	greater than 0.30 in/hr infiltrati	on (transmission) rate	
Post development ground cover description: Br			or (<50% ground cover)
CN _{POST} :			
User Composite post development CN:	96.0		
BMP Sizing Tool: Hydromodification Requ	irement		Percent of Goal Achieved = 102.04 %
_	BMP Volume		Ponded
Porosity:	0.40		Water Above Ground
Depth below perforated pipe if present:	2.00 ft	De	epth: 0.00 ft
Width:	10.00 ft	W	idth: 0.00 ft
Length:	15.00 ft		ngth: 0.00 ft
Area:	ft ²	Α	rea: 0.00 ft ²



BMP Tributary Parameters	Project Name: Yolanda Apartments
BMP ID: A-30	·
BMP Design Criteria: 100% Ca	
- The state of the	: P1-02 Roadside Bioretention - No Curb and Gutter
	538.0 ft ²
Description/Notes:	
Runoff Reduction Measures	Resulting reduced Tributary Area used for BMP sizing = 5,187.8 ft ² Total Runoff Reduction Measures = 1,350.3 ft ²
Interceptor Trees	
Number of <i>new</i> interceptor <i>Evergreen Trees</i> : Number of <i>new</i> interceptor <i>Deciduous Trees</i> : Square footage of qualifying existing tree canopy:	0 Total Number of New trees in BMP Tributary Area: 4 0.0 ft ²
Disconnected Roof Drains	
Select disconnection condition: Runoff is	directed across landscape; Width of area: 5' to 9'
Disconnected Roof Drains Method 1	Disconnected Roof Drains Method 2
Roof area of disconnected downspouts:	3,801 ft ² Percent of rooftop area: 0 %
	Select Density:1 Units per Acre
Paved Area Disconnection	•
Paved Area Type: Cobbles Alternatively designed paved area:	tone/pavers/block 0.0 ft ²
Buffer Strips & Bovine Terraces	
Area draining to a Buffer Strip or Bovine Terrace:	0.0 ft ²
Hydromodification Requirement: 100% Volume	Capture; V _{HYDROMOD} = 155.33 ft ³
Post development hydrologic soil type within tributary area: A: great	er than 0.30 in/hr infiltration (transmission) rate
	reed-grass mixture with brush major element - Poor (<50% ground cover)
CN _{POST} : User Composite post development CN:	91.0
BMP Sizing Tool: Hydromodification Requirement	<u></u>
BMP Vo	ronaeu
Porosity:	0.40 Water Above Ground
Depth below perforated pipe if present:	1.50 ft Depth: 0.00 ft
	10.00 ft Width: 0.00 ft
Length:Area:	28.00 ft Length: 0.00 ft 0.00 ft ² Area: 0.00 ft ²
Aled.	0.00 ft ² Area: 0.00 ft ²



BMP Tributary Parameters	·	Project Name:	Yolanda Apartments
BMP ID:	A-31		
BMP Design Criteria:	100% Capture & Treatment		
Type of BMP Design:	Priority 1: P1-02 Roadside Bio	retention - No Curb an	d Gutter
BMP's Physical Tributary Area:	5,836.0 ft ²		
Description/Notes:			-
Runoff Reduction Measures	Resu	lting reduced Tributar	ry Area used for BMP sizing = 4,485.8 ft²
		Tota	al Runoff Reduction Measures = 1,350.3 ft²
Interceptor Trees			
Number of new interceptor Evergreen Trees:	0 To	otal Number of New trees	s in BMP Tributary Area: 4
Number of <i>new</i> interceptor <i>Deciduous Trees</i> :	4		-
Square footage of qualifying existing tree canopy:	0.0 ft ²		
Disconnected Roof Drains	-		
Select disconnection condition:	Runoff is directed across lands	cape; Width of area: 5	i' to 9'
Disconnected Roof Drains Method 1		Disconnected Roof Dra	ains Method 2
Roof area of disconnected downspouts:	3,801 ft ²	Percent of root	ftop area: 0 %
		Selec	t Density: 1 Units per Acre
Paved Area Disconnection			
Paved Area Type:	Cobblestone/pavers/block		
Alternatively designed paved area:	0.0 ft²		
Buffer Strips & Bovine Terraces			•
Area draining to a Buffer Strip or Bovine Terrace:	0.0 ft ²		·
Understanding of the Desire of A000(1)			2
Hydromodification Requirement: 100% \			V _{HYDROMOD} = 150.37 ft ³
Post development hydrologic soil type within tributary area:			
Post development ground cover description:	Brush: weed-grass mixture with	h brush major element	- Poor (<50% ground cover)
CN _{POST} : User Composite post development CN:	92.0		
			D
BMP Sizing Tool: Hydromodification Red			Percent of Goal Achieved = 99.75 %
	BMP Volume Below Ground		Ponded Water Above
Porosity:	0.40		Ground
Depth below perforated pipe if present:	1.50 ft		Depth: 0.00 ft
Width:	10.00 ft		Width: 0.00 ft
Length:	25.00 ft		Length: 0.00 ft
Area:	0.00 ft ²		Area: 0.00 ft ²



BMP Tributary Parameters	Project Name: Yo	olanda Apartments
BMP ID:	A-32	
BMP Design Criteria:	100% Capture & Treatment	
Type of BMP Design:	Priority 2: P2-03 Roadside Bioretention - Contiguous S	idewalk
BMP's Physical Tributary Area:	10,403.0 ft ²	
Description/Notes:		·
		·
<u></u>		
Runoff Reduction Measures	Resulting reduced Tributary	Area used for BMP sizing = 9,030.5 ft ²
	-	Runoff Reduction Measures = 1,372.5 ft ²
Interceptor Trees		
Number of new interceptor Evergreen Trees:	0 Total Number of New trees in	n BMP Tributary Area: 5
Number of new interceptor Deciduous Trees:	5	
Square footage of qualifying existing tree canopy:	0.0 ft ²	
Disconnected Roof Drains		
Select disconnection condition:	Runoff is directed across landscape; Width of area: 5' to	o 9'
Disconnected Roof Drains Method 1	Disconnected Roof Drain	ns Method 2
Roof area of disconnected downspouts:	3,490 ft ² Percent of roofto	'
· ·	Select D	Density: 1 Units per Acre
Paved Area Disconnection		
Paved Area Type:	Cobblestone/pavers/block	
Alternatively designed paved area:	0.0 ft ²	
Buffer Strips & Bovine Terraces		
Area draining to a Buffer Strip or Bovine Terrace:	0.0 ft ²	• •
Hydromodification Requirement: 100% V	/olume Capture; V _{HYDROMOD}	V _{HYDROMOD} = 338.84 ft ³
	A: greater than 0.30 in/hr infiltration (transmission) rate	
· · · · · · · · · · · · · · · · · · ·	Brush: weed-grass mixture with brush major element - P	Poor (<50% ground cover)
CN _{POST} :	93.0	•
User Composite post development CN:		
BMP Sizing Tool: Hydromodification Req		Percent of Goal Achieved = 99.16 %
	BMP Volume Below Ground	Ponded
Porosity:	0.40	Water Above Ground
Depth below perforated pipe if present:		Depth: 0.00 ft
Width:	10.00 ft	Width: 0.00 ft
Length:		Length: 0.00 ft
Area:	0.00 ft ²	Area: 0.00 ft ²



BMP Tributary Parameters	Project Nar	ne: Yolanda Apartments
BMP ID:	N-33	
BMP Design Criteria: 1	00% Capture & Treatment	
Type of BMP Design: P	riority 2: P2-03 Roadside Bioretention - Contigu	ious Sidewalk
BMP's Physical Tributary Area:	20,380.0 ft ²	
Description/Notes:		
Runoff Reduction Measures	Resulting reduced Trik	utary Area used for BMP sizing = 16,884.3 ft ² Total Runoff Reduction Measures = 3,495.8 ft ²
Interceptor Trees		
Number of <i>new</i> interceptor <i>Evergreen Trees</i> : Number of <i>new</i> interceptor <i>Deciduous Trees</i> : Square footage of qualifying existing tree canopy:	0 Total Number of New 15 0.0 ft ²	trees in BMP Tributary Area: 15
Disconnected Roof Drains		
Select disconnection condition:	Runoff is directed across landscape; Width of are	a: 5' to 9'
Disconnected Roof Drains Method 1	Disconnected Roo	f Drains Method 2
Roof area of disconnected downspouts:		rooftop area: 0 %
•	.\$	elect Density: 1 Units per Acre
Paved Area Disconnection	·	
	obblestone/pavers/block	
Alternatively designed paved area:	0.0 _ft ²	4
Buffer Strips & Bovine Terraces		•
Area draining to a Buffer Strip or Bovine Terrace:	0.0 ft ²	
Hydromodification Requirement: 100% V	olume Capture; V _{HYDROMOD}	V _{HYDROMOD} = 886.41 ft ³
Post development hydrologic soil type within tributary area:		· · · · · · · · · · · · · · · · · · ·
	Brush: weed-grass mixture with brush major elem	
CN _{POST} :		
User Composite post development CN:	96.0	
BMP Sizing Tool: Hydromodification Requ	uirement	Percent of Goal Achieved = 100.72 %
	BMP Volume Below Ground	Ponded
Porosity:	0.40	Water Above Ground
Depth below perforated pipe if present:	3.00 ft	Depth: 0.00 ft
Width:	6.00 ft	Width: 0.00 ft
Length:	124.00 ft	Length: 0.00 ft
Area:	0.00 ft ²	Area: 0.00 ft ²



BMP Tributary Parameters		Project Name: Yolanda Apartments
BMP ID:	A-34	
BMP Design Criteria:	100% Capture & Treatment	
Type of BMP Design:	Priority 1: P1-02 Roadside Bioretentio	n - No Curb and Gutter
BMP's Physical Tributary Area:	3,207.0 ft ²	
Description/Notes:		
L.	Manufestation and a second and a	
Runoff Reduction Measures	Resulting re	duced Tributary Area used for BMP sizing = 2,365.8 ft²
·		Total Runoff Reduction Measures = 841.3 ft ²
Interceptor Trees		,
Number of new interceptor Evergreen Trees:	0 Total Num	ber of New trees in BMP Tributary Area:
Number of new interceptor Deciduous Trees:	4	
Square footage of qualifying existing tree canopy:	0.0 ft ²	
Disconnected Roof Drains		
Select disconnection condition:	Runoff is directed across landscape; \	Vidth of area: 5' to 9'
Disconnected Roof Drains Method 1	Discon	nected Roof Drains Method 2
Roof area of disconnected downspouts:	1,765 ft ²	Percent of rooftop area: 0 %
		Select Density: 1 Units per Acre
Paved Area Disconnection		
Paved Area Type:	Cobblestone/pavers/block	
Alternatively designed paved area:	0.0 ft ²	
Buffer Strips & Bovine Terraces		
Area draining to a Buffer Strip or Bovine Terrace:	0.0 ft ²	
Hydromodification Requirement: 100% \	/olume Capture; V _{HYDROMOD}	$V_{HYDROMOD} = 63.15 \text{ ft}^3$
Post development hydrologic soil type within tributary area:	A: greater than 0.30 in/hr infiltration (tr	ansmission) rate
Post development ground cover description:	Brush: weed-grass mixture with brush	major element - Poor (<50% ground cover)
. CN _{POST} :	White the Street Court of the C	
User Composite post development CN:	90.0	
BMP Sizing Tool: Hydromodification Rec	uirement	Percent of Goal Achieved = 114.02 %
	BMP Volume	Ponded
Porosity:	Below Ground 0.40	Water Above Ground
Depth below perforated pipe if present:	1.50 ft	Depth: 0.00 ft
Width:	10.00 ft	Width: 0.00 ft
. Length:	12.00 ft	Length: 0.00 ft
Area:	0.00 ft ²	Area: 0.00 ft ²



BMP Tributary Parameters	Project Name:	Yolanda Apartments
BMP ID: A-35		
BMP Design Criteria: 100%	Capture & Treatment	,
Type of BMP Design: Prior	ity 1: P1-02 Roadside Bioretention - No Curb an	nd Gutter
BMP's Physical Tributary Area:	3,988.0 ft ²	
Description/Notes:		
Runoff Reduction Measures	_	ry Area used for BMP sizing = 3,156.5 ft ² al Runoff Reduction Measures = 831.5 ft ²
Interceptor Trees		
Number of <i>new</i> interceptor <i>Evergreen Trees</i> : Number of <i>new</i> interceptor <i>Deciduous Trees</i> : Square footage of qualifying existing tree canopy:	Total Number of New trees	s in BMP Tributary Area: 3
Disconnected Roof Drains		
Select disconnection condition: Runc	ff is directed across landscape; Width of area: 5	5' to 9'
Disconnected Roof Drains Method 1	Disconnected Roof Dr	ains Method 2
Roof area of disconnected downspouts:	2,126 ft ² Percent of roo	' <u> </u>
	Selec	ct Density:1 Units per Acre
Paved Area Disconnection		
Paved Area Type: Cobb		
Alternatively designed paved area:	0.0 _ft ²	
Buffer Strips & Bovine Terraces		
Area draining to a Buffer Strip or Bovine Terrace:	0.0 ft ²	
Hydromodification Requirement: 100% Volu	me Capture; V _{HYDROMOD}	V _{HYDROMOD} = 84.26 ft ³
Post development hydrologic soil type within tributary area: A: gi		
	h: weed-grass mixture with brush major element	
CN _{POST} :	Argumento de la companya della companya della companya de la companya de la companya della compa	
User Composite post development CN:	90.0	
BMP Sizing Tool: Hydromodification Require	ment	Percent of Goal Achieved = 106.81 %
•	Volume	Ponded
Porosity:	<u>v Ground</u> 0.40	Water Above Ground
Depth below perforated pipe if present:	1.50 ft	Depth: 0.00 ft
Width:	·10.00 ft	Width: 0.00 ft
Length:	15.00 ft	Length: 0.00 ft
Area:	0.00 ft ²	Area: 0.00 ft ²



BMP Tributary Parameters	Project Name: Yolanda Apartments
BMP ID: A-36	
BMP Design Criteria: 100% Capture & Treatment	
Type of BMP Design: Priority 1: P1-02 Roadside	Bioretention - No Curb and Gutter
BMP's Physical Tributary Area: 5,675.0 ft ²	
Description/Notes:	
Runoff Reduction Measures Re	esulting reduced Tributary Area used for BMP sizing = 4,324.8 ft ² Total Runoff Reduction Measures = 1,350.3 ft ²
Interceptor Trees	
	Total Number of New York in DMD Title to a Association
Number of <i>new</i> interceptor <i>Evergreen Trees</i> : 0 Number of <i>new</i> interceptor <i>Deciduous Trees</i> : 4	Total Number of New trees in BMP Tributary Area: 4
Square footage of qualifying existing tree canopy: 0.0 ft ²	
Disconnected Roof Drains	
Select disconnection condition: Runoff is directed across la	ndscape; Width of area: 5' to 9'
Disconnected Roof Drains Method 1	Disconnected Roof Drains Method 2
Roof area of disconnected downspouts: 3,801 ft ²	Percent of rooftop area: 0 %
	Select Density: 1 Units per Acre
Paved Area Disconnection	
Paved Area Type: Cobblestone/pavers/block	
Alternatively designed paved area: 0.0 ft ²	
Buffer Strips & Bovine Terraces	
Area draining to a Buffer Strip or Bovine Terrace: 0.0 ft ²	
Hydromodification Requirement: 100% Volume Capture; V _{HYDF}	$V_{HYDROMOD} = 146.66 \text{ ft}^3$
Post development hydrologic soil type within tributary area: A: greater than 0.30 in/hr in	filtration (transmission) rate
Post development ground cover description: Brush: weed-grass mixture	with brush major element - Poor (<50% ground cover)
CN _{POST} :	
User Composite post development CN: 92.0	
BMP Sizing Tool: Hydromodification Requirement	Percent of Goal Achieved = 102.28 %
BMP Volume	Ponded
Below Ground Porosity: 0.40	Water Above Ground
Depth below perforated pipe if present: 1.50 ft	Depth: 0.00 ft
Width: 10.00 ft	Width: 0.00 ft
Length: 25.00 ft	Length: 0.00 ft Area: 0.00 ft ²
Area: 0.00 ft ²	Area: 0.00 ff ²



BMP Tributary Parameters	Project Name:	Yolanda Apartments
BMP ID:	A-37	
BMP Design Criteria:	100% Capture & Treatment	
Type of BMP Design:	Priority 2: P2-02 Roadside Bioretention - Flush Desig	n
BMP's Physical Tributary Area:	25,673.0 ft ²	
Description/Notes:		
Runoff Reduction Measures	Resulting reduced Tributa	ry Area used for BMP sizing = 22,442.0 ft²
	_	al Runoff Reduction Measures = 3,231.0 ft²
Interceptor Trees	- 144 - 144	
Number of new interceptor Evergreen Trees:	0 Total Number of New tree	s in BMP Tributary Area: 18
Number of new interceptor Deciduous Trees:	18	<u> </u>
Square footage of qualifying existing tree canopy:	0.0 ft ²	
Disconnected Roof Drains		one de la companya d Disentita de la companya de la comp
Select disconnection condition:	Runoff is directed across landscape; Width of area:	5' to 9'
Disconnected Roof Drains Method 1	Disconnected Roof Dr	ains Method 2
Roof area of disconnected downspouts:	5,724 ft ² Percent of roo	ftop area: 0 %
	Selec	t Density: 1 Units per Acre
Paved Area Disconnection		
Paved Area Type:	Cobblestone/pavers/block	
Alternatively designed paved area:	0.0 ft ²	
Buffer Strips & Bovine Terraces		
Area draining to a Buffer Strip or Bovine Terrace:	0.0 ft ²	
Hydromodification Requirement: 100% \		$V_{\text{HYDROMOD}} = 942.34 \text{ ft}^3$
	A: greater than 0.30 in/hr infiltration (transmission) ra	
! · · · · · · · · · · · · · · · · · · ·	Brush: weed-grass mixture with brush major element	- Poor (<50% ground cover)
CN _{POST} : User Composite post development CN:	94.0	
BMP Sizing Tool: Hydromodification Rec		Percent of Goal Achieved = 101.87 %
	BMP Volume	Ponded
Porosity:	Below Ground 0.40	Water Above Ground
Depth below perforated pipe if present:	3.00 ft	Depth: 0.00 ft
Width:	10.00 ft	Width: 0.00 ft
Length:	80.00 ft	Length: 0.00 ft
Area:	0.00 ft ²	Area: 0.00 ft ²

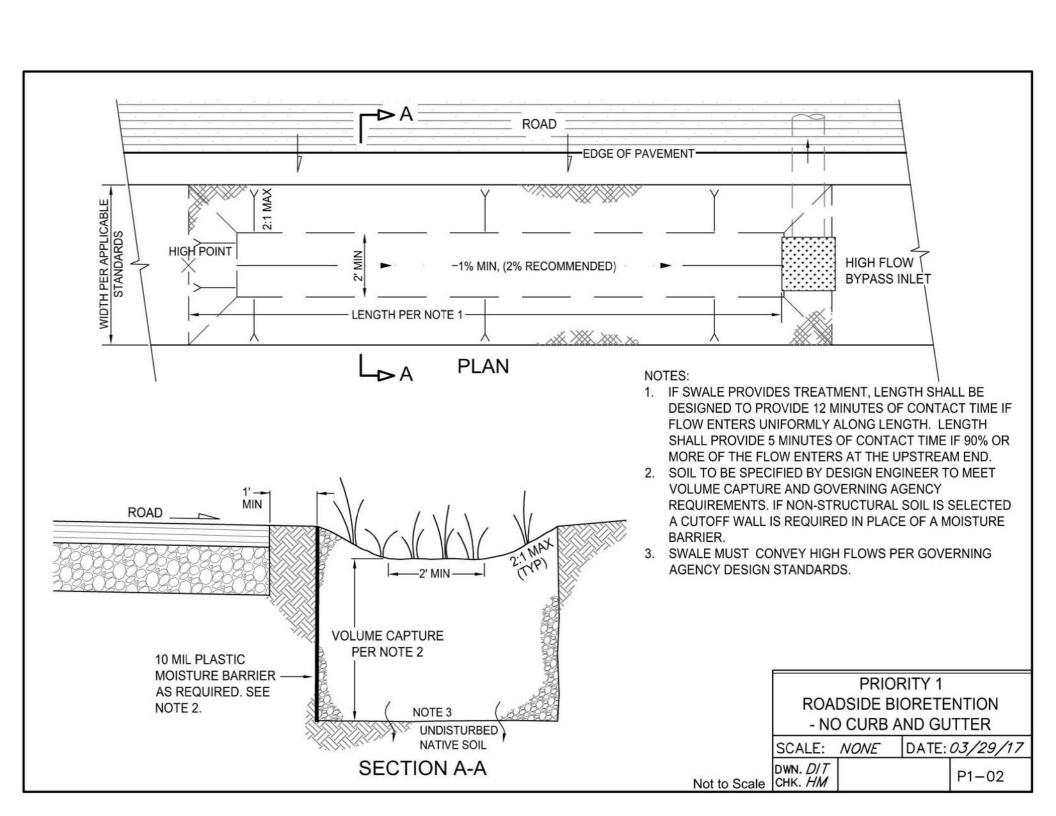


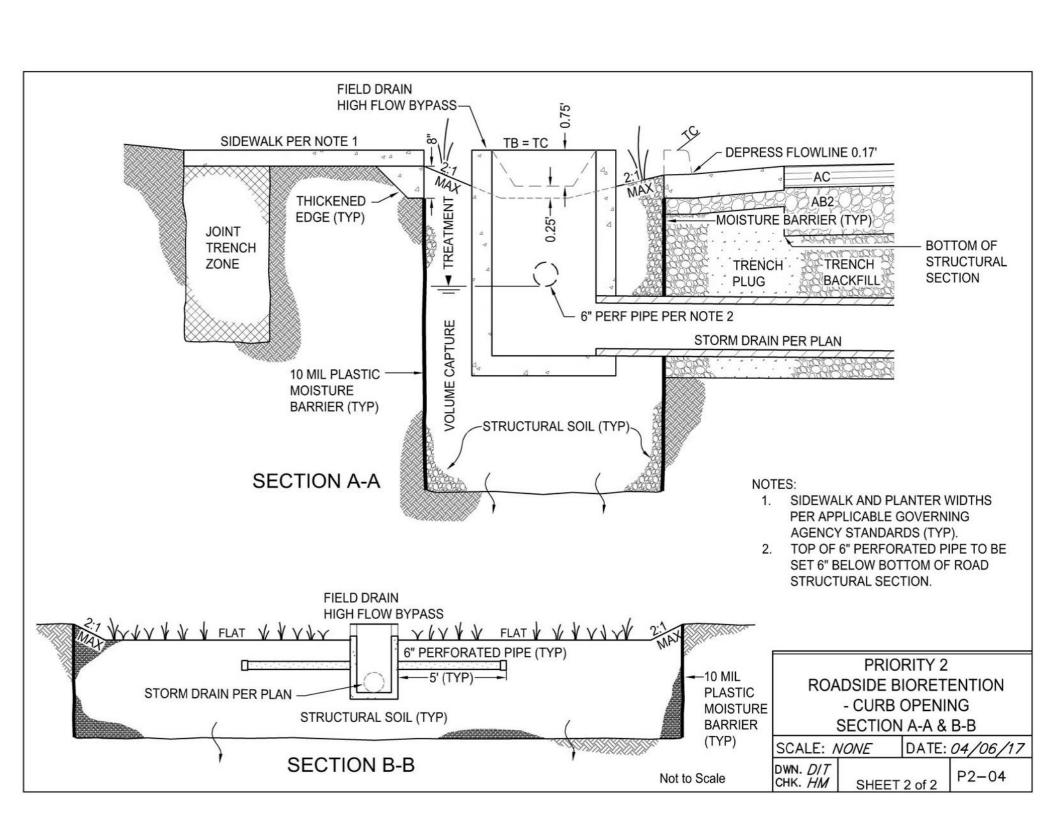
BMP Tributary Parameters	Project Name:	Yolanda Apartments
BMP ID:	A-38	
BMP Design Criteria:	100% Capture & Treatment	
Type of BMP Design:	Priority 2: P2-02 Roadside Bioretention - Flush Design	gn
BMP's Physical Tributary Area:	6,495.0 ft ²	
Description/Notes:		
		·
L		
Runoff Reduction Measures	Resulting reduced Tributa	ry Area used for BMP sizing = 5,795.0 ft²
		al Runoff Reduction Measures = 700.0 ft ²
Interceptor Trees		
Number of new interceptor Evergreen Trees:	0 Total Number of New tree	o in BMD Tributor (Area)
Number of <i>new</i> interceptor <i>Deciduous Trees</i> :	0 Total Number of <u>New</u> tree	s in BMP Tributary Area:7
Square footage of qualifying existing tree canopy:	0.0 ft ²	
Disconnected Roof Drains	-	
Select disconnection condition:	Runoff is directed across landscape; Width of area:	5' to 9'
Disconnected Roof Drains Method 1	Disconnected Roof Dr	
Roof area of disconnected downspouts:	0 ft ² Percent of roo	
		ct Density: 1 Units per Acre
Paved Area Disconnection		•
Paved Area Type:	Cobblestone/pavers/block	
Alternatively designed paved area:	0.0 ft ²	
Buffer Strips & Bovine Terraces		
Area draining to a Buffer Strip or Bovine Terrace:	0.0 ft ²	
I had a self of the Point of Acceptance		
Hydromodification Requirement: 100% V		$V_{HYDROMOD} = 243.33 ft^3$
Post development hydrologic soil type within tributary area:	A: greater than 0.30 in/hr infiltration (transmission) ra	te
	Brush: weed-grass mixture with brush major element	- Poor (<50% ground cover)
CN _{POST:} User Composite post development CN:	94.0	
· · · · · · · · · · · · · · · · · · ·		
BMP Sizing Tool: Hydromodification Req		Percent of Goal Achieved = 103.56 %
	BMP Volume Below Ground	Ponded
Porosity:	0.40	Water Above Ground
Depth below perforated pipe if present:	3.00 ft	Depth: 0.00 ft
Width:	10.00 ft	Width: 0.00 ft
Length:	21.00 ft	Length: 0.00 ft
Area:	0.00 ft ²	Area: 0.00 ft ²

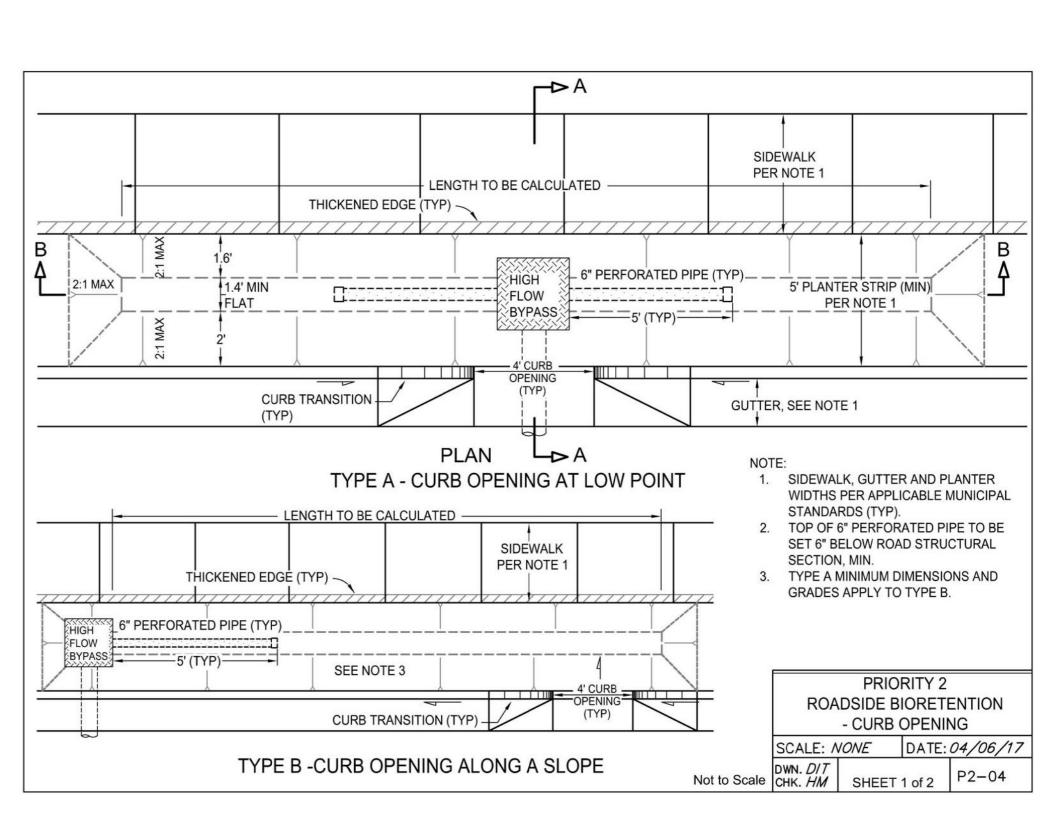


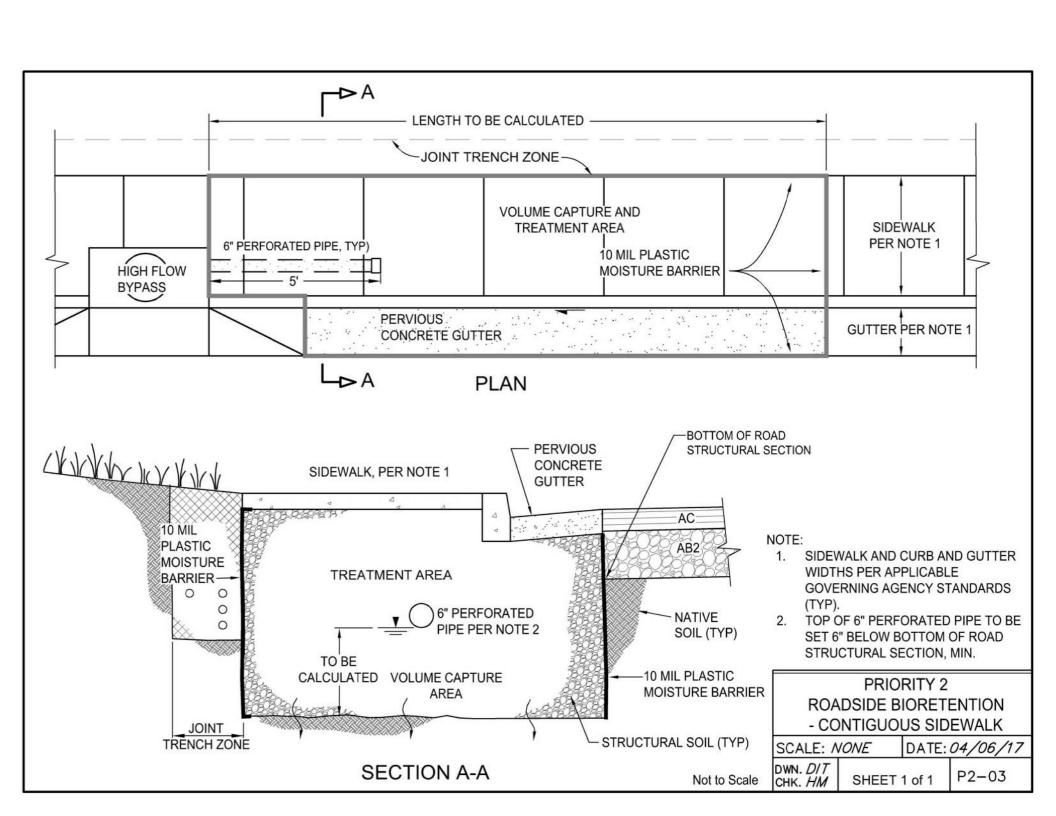
BMP Tributary Parameters	Project Name: Yolanda Apartments
· ВМР ID: А-39	
BMP Design Criteria: 100% Capture	& Treatment
Type of BMP Design: Priority 2: P2	02 Roadside Bioretention - Flush Design
BMP's Physical Tributary Area: 4,286.0	ft ²
Description/Notes:	
Runoff Reduction Measures	Resulting reduced Tributary Area used for BMP sizing = 3,986.0 ft ²
	Total Runoff Reduction Measures = 300.0 ft ²
Interceptor Trees	
Number of <i>new</i> interceptor <i>Evergreen Trees</i> : 0	-
Number of new interceptor Deciduous Trees: 3	
Square footage of qualifying existing tree canopy: 0.0	$ ho_{ m ft^2}$
Disconnected Roof Drains	
Select disconnection condition: Runoff is dire	cted across landscape; Width of area: 5' to 9'
Disconnected Roof Drains Method 1	Disconnected Roof Drains Method 2
	ft ² Percent of rooftop area: 0 %
	Select Density: 1 Units per Acre
Paved Area Disconnection	
Paved Area Type: Cobblestone/	
Alternatively designed paved area: 0.0	
Buffer Strips & Bovine Terraces	
Area draining to a Buffer Strip or Bovine Terrace: 0.0	$^{-}$ lt ²
Hydromodification Requirement: 100% Volume Cap	oture; $V_{HYDROMOD} = 123.49 \text{ ft}^3$
Post development hydrologic soil type within tributary area: A: greater that	
	grass mixture with brush major element - Poor (<50% ground cover)
CN _{POST} :	
User Composite post development CN: 91.0	
BMP Sizing Tool: Hydromodification Requirement	Percent of Goal Achieved = 116.61 %
BMP Volume	Ponded
Below Ground Porosity: 0.40	Water Above
Depth below perforated pipe if present: 3.00	
Width: 8.00	
Length: 15.00	
Area: 0.00	

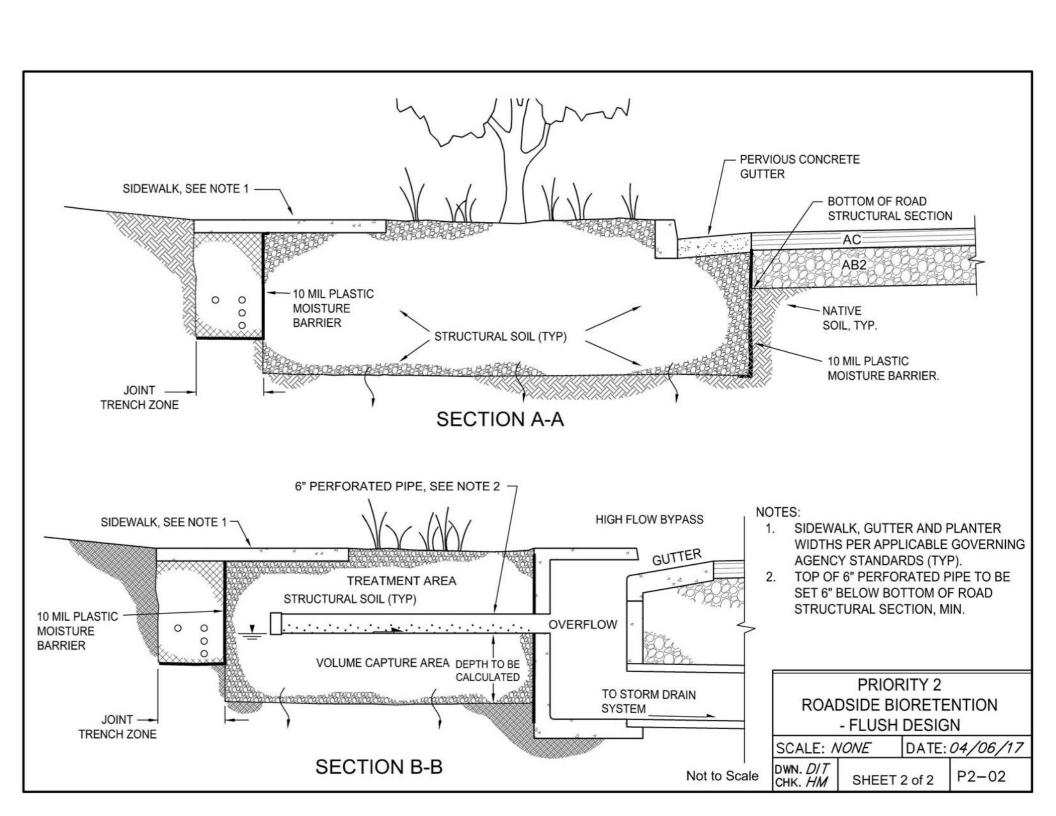
APPENDIX E BMP DETAILS

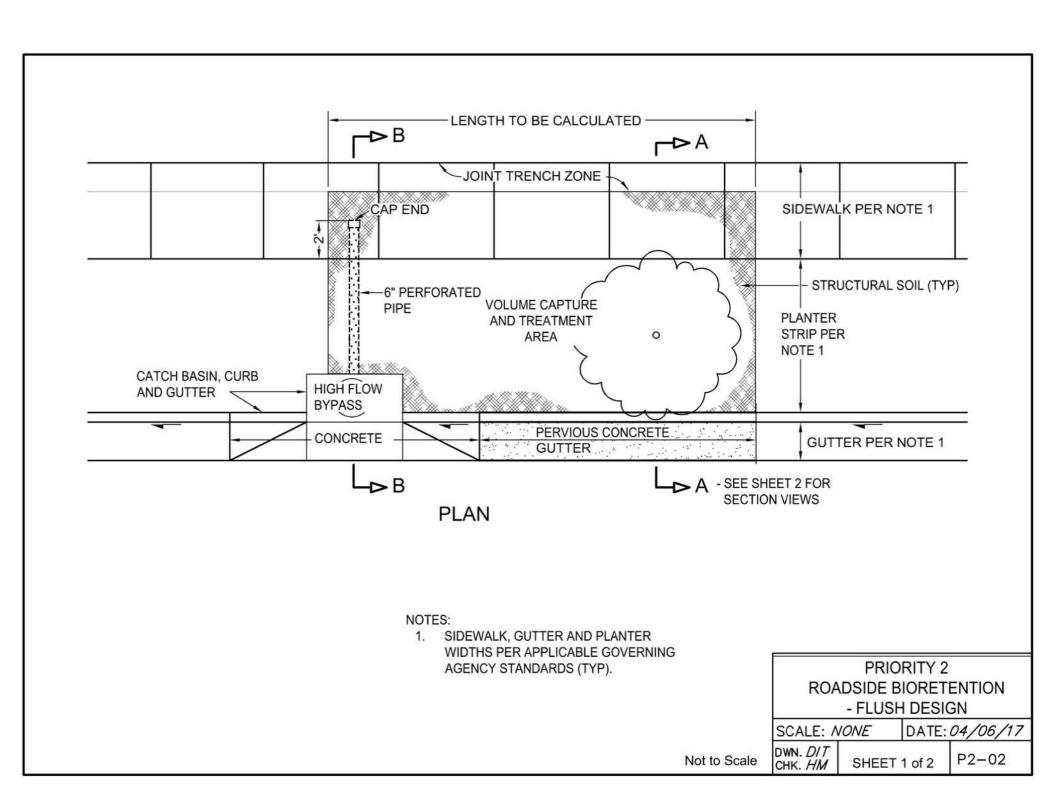


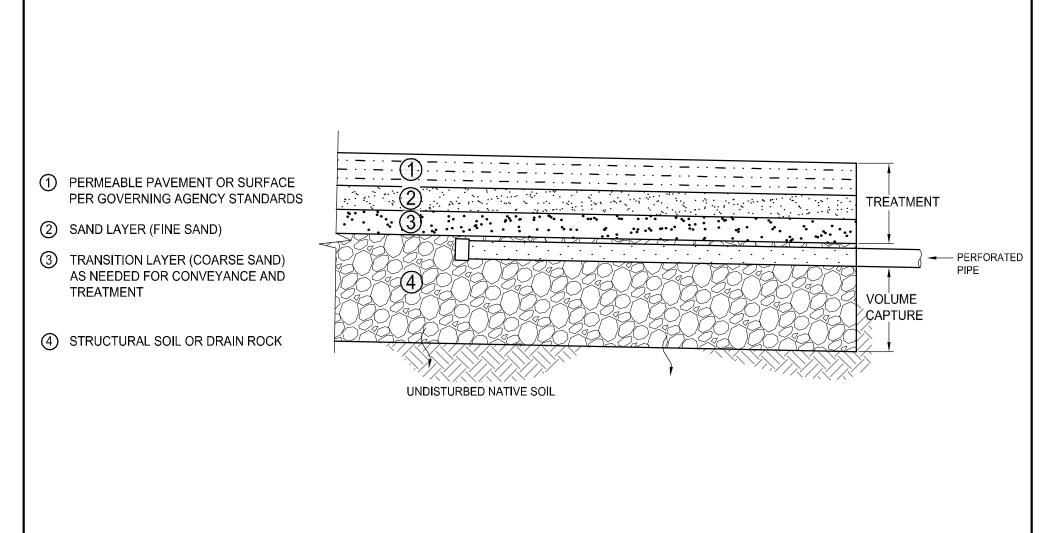












PRIORITY 2
PERMEABLE PAVEMENT

SCALE: *NONE* DATE: *05/10/11*

Not to Scale DWN. DIT

DIT | P2-06

APPENDIX F BMP Inspection And Maintenance Checklists

Form A Storm Water Quality Feature Maintenance Check List - Standard Conditions -

Start Time: Project: Inspection Status Codes: Stop Time: Address:	Date:				Inspector	:													
Are there any special conditions and/or maintenance requirements noted for BMP(s)? Y N (circle one) Drainage	Start Time: _														Inspection Status Codes:				
Are there any special conditions and/or maintenance requirements noted for BMP(s)? Y N (circle one) Coling	Stop Time: _			_	Address:										_				
Drainage There is definite to drainage shorted or potential transport of flow bypass function a bound good the eard of flow paths? There excessive Mowing and/or curbs aboutting the planter dead or dry plants or excessive Wowing and/or curbs aboutting the planter area? There debris/trash accumulation of BMP? There debris/trash accumulation of Missing or damage structural There dedition of BMP? There dedition of Correct is section during a low intensity storm? There dedition of missing or damage structural There dedition of BMP? There dedition of Dosensed flowing in the planter area? There dedition of Correct of an imal activity of the BMP or high flow by pass? There dedition of Missing or damage structural There dedition of BMP? There dedition of Dosensed or dry plants or excessive weeds? There dedition of the long the conditions or or removal of BMP? There dedition of Dosensed or dry plants or excessive weeds? There dedition of Dosensed or dry plants or excessive weeds? There dedition of Dosensed or dry plants or excessive weeds? There dedition of Dosensed or dry plants or excessive weeds? There dedition of Dosensed or dry plants or excessive weeds? There dedition of Dosensed or dry plants or excessive weeds? There dedition or operation o	Are there any	/ special c	onditio	ns and	l/or mainte	enance requ						e)	D = 1	- Terrore					
beevidence of standing or ponding of ter in the BMP are a after 72 hours of dry weather? Standing or ponding of ter in the BMP area after 72 hours of dry weather? Standing or ponding of ter in the BMP area after 72 hours of dry weather? Standing of dry blants or dramage structural flow by pass? Standing or damage structural flow by			Drai	nage							•,••		Veget	ation			Genera	ī	Conside
vidence of standing or ponding of ter in the BMP area after 72 hours of dry weather? es the high flow bypass function as designed? there sediment acumination in or around BMP? shong the sidewalks and/or curbs along the sidewalks and/or there accumulation of sediment and, dirt, mud) in the planter area? Is there channelization (gully) forming along the sidewalks and/or the BMP? there evidence of animal activity? there evidence of animal activity? Are there dead or dry plants or flow path? Herbicide Overuse? Are there dead or dry plants or excessive weeds? Is there an absence of correct vegetation? Wissing or damage structural features? (Grates, pipes, walls, curbs, etc.) idence of improper modifications or removal of BMP? e Additional Special Conditions or eatures Check List Requirement		Drawdown -	_		k - Pump Out-		Hydraulic Fun	ction - Failur	e - Sediment Clo	ogging			_						Features
Evidence of standing or ponding of water in the BMP area after 72 hours of dry weather? Does the high flow bypass function as designed? Is there sediment acumination in or anound BMP? Has water been observed flowing in the pervious concrete section during a low intensity storm? Has water been observed flowing in the pervious concrete section during a low intensity storm? Has water been observed flowing in the peather area? Is there under cutting or washouts a both intensity storm? Is there accumulation of sediment (sand, dirt, mud) in the planter area? Observed or potential transport of mulch to drainage system? Are there voids or holes present in the BMP? Sthere devices or animal activity? Is there evidence of animal activity? Sthere debris/trash accumulation in the BMP? Evidence of Excessive Moving and/or Evidence of improper modifications or removal of BMP? Missing or damage structural (Grates, piezes, wells, curbs, etc.) Evidence of improper modifications or removal of BMP? Whissing or damage structural (Grates, piezes, wells, curbs, etc.) Evidence of improper modifications or Featuress Check List Requirement)	Reference code	D1	D2	D3	D4	E1	E2	E3	E4	E5	E6	V1	V2	V3	V4				S
	BMP ID:	Evidence of standing or ponding of water in the BMP area after 72 hours of dry weather?	Does the high flow bypass function as designed?	Is there sediment acumination in or around BMP?	Has water been observed flowing in the pervious concrete section during a low intensity storm?	Is there under cutting or washouts along the sidewalks and/or curbs abutting the planter area?	Is there channelization (gully) forming along the length of the planter area?	Is there accumulation of sediment (sand, dirt, mud) in the planter area ?	Observed or potential transport of mulch to drainage system?	Are there voids or holes present in the BMP?	Is there evidence of animal activity?	Is the vegetation clogging the inlet or flow path?	Evidence of Excessive Mowing and/or Herbicide Overuse?	Are there dead or dry plants or excessive weeds?	Is there an absence of correct vegetation?	Is there debris/trash accumulation in the BMP or high flow by pass?	Missing or damage structural features? (Grates, pipes, walls, curbs, etc.)	Evidence of improper modifications or removal of BMP?	See Additional Special Conditions or Features Check List Requirement Form B

Re-Inspection Required:

Page _

Complete:

Issues Corrective Action:

Storm Water Quality Special Feature Maintenence Check List

Date:		_		Inspector:				Inspection St	atus Codes:		
Start Time:								S = Satisfac	tory	* - See Notes	on Form C
Stop Time:								D = Deficier	nt		
					Special F	eature or	Conditio	ne			
Reference code	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11
Additional Special Maintenance Inspection Criterial	Add special inspection requirements in addition to Form A here.	Add special inspection requirements in addition to Form A here.	Add special inspection requirements in addition to Form A here.	Add special inspection requirements in addition to Form A here.	Add special inspection requirements in addition to Form A here.	Add special inspection requirements in addition to Form A here.	Add special inspection requirements in addition to Form A here.	Add special inspection requirements in addition to Form A here.	Add special inspection requirements in addition to Form A here.	Add special inspection requirements in addition to Form A here.	Add special inspection requirements in addition to Form A here.
BMP ID:											<
Office Use: Complete:			Issues Corre	ctive Action: _				Re-Inspection	n Required: _		

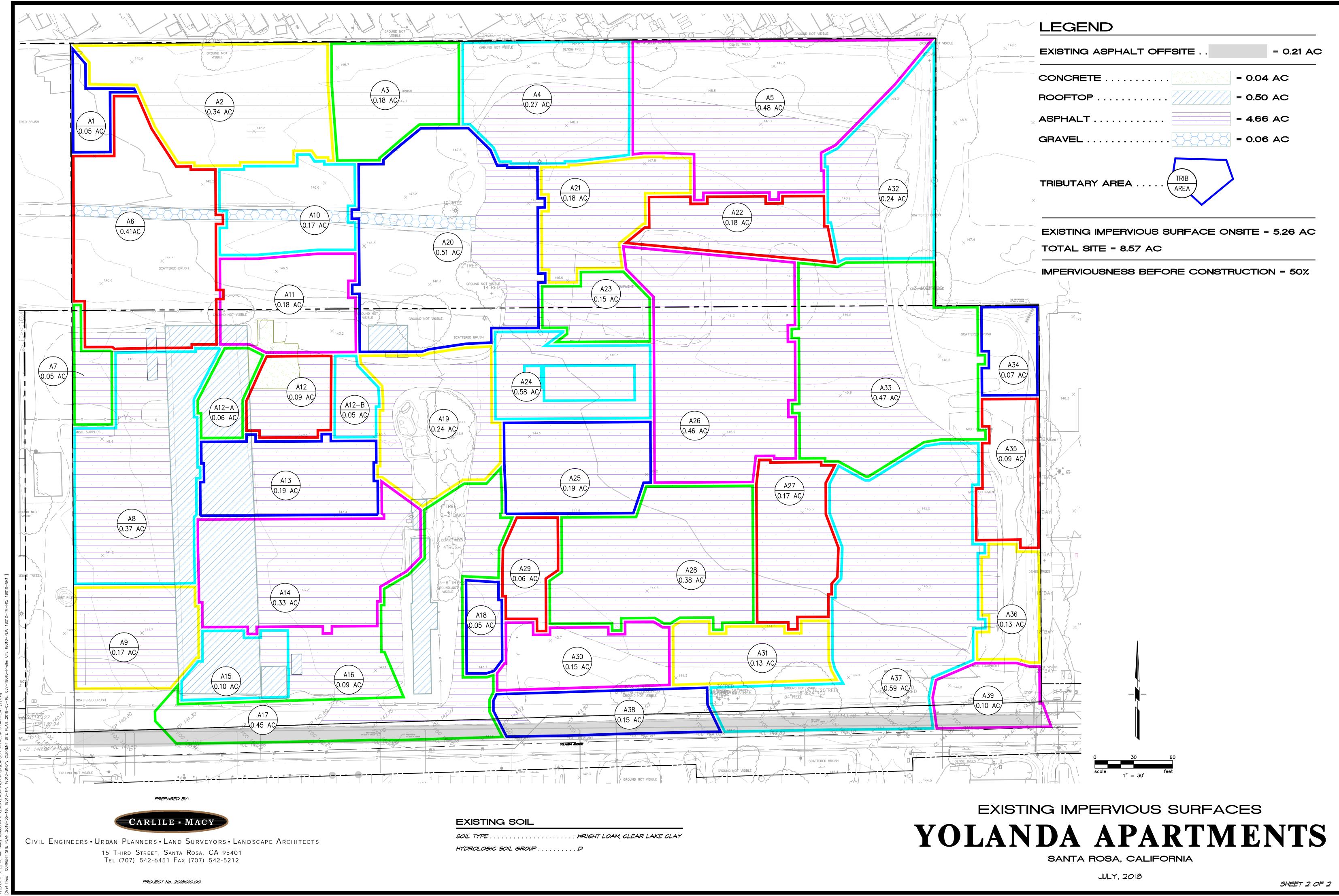
Form C Storm Water Quality Feature Maintenence Check List - Inspection Notes -

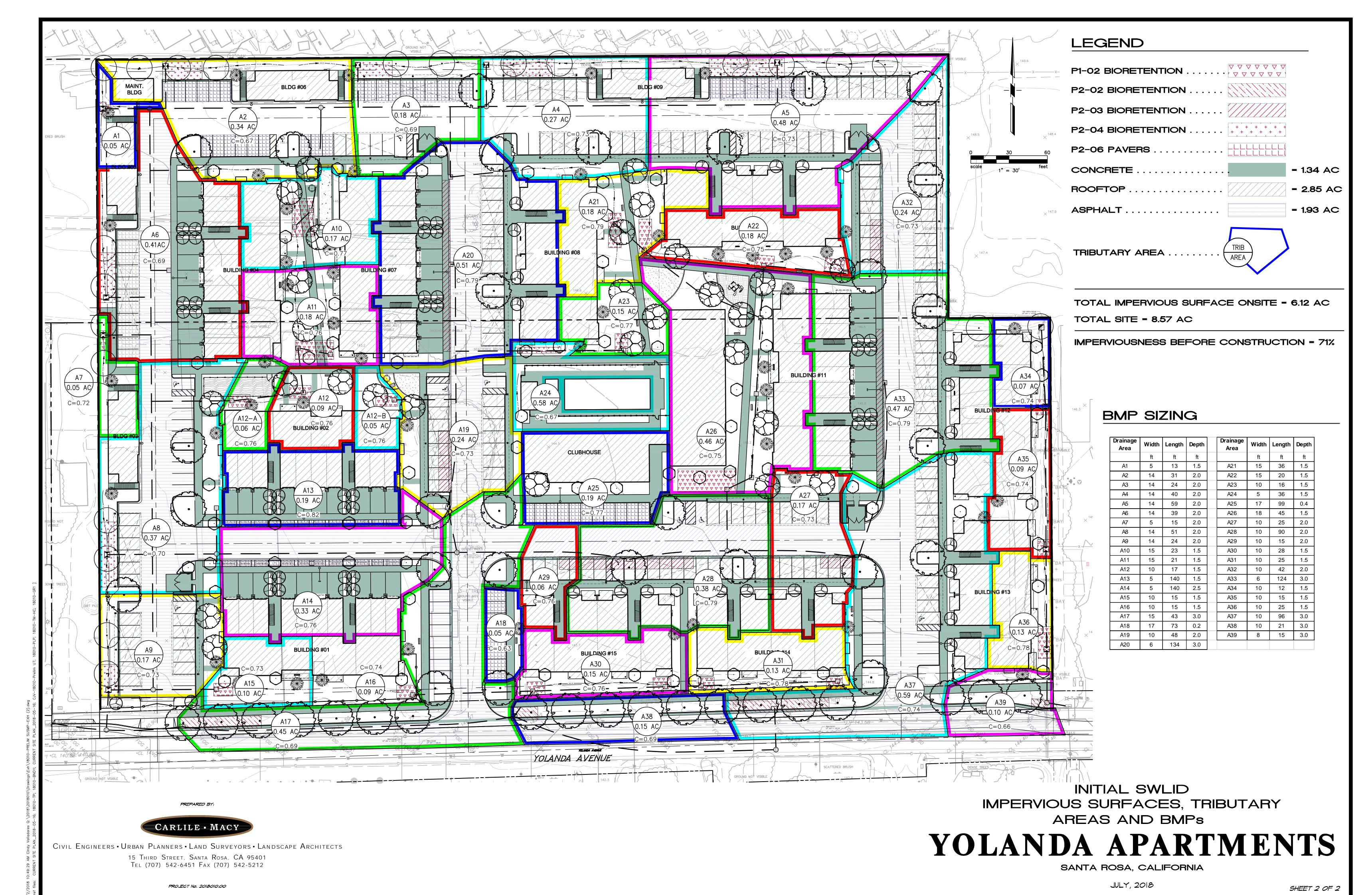
Date:	Inspector:
	Project:
	Address:

	Reference	
BMP ID:	Code	Notes

Page of

APPENDIX G SUSMP EXHIBITS





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