Sixth Street Park, Arts and River Connectivity Improvements (PARC) Preliminary Hydrology and Hydraulics Report – DRAFT

July, 2018

PRESENTED TO

City of Los Angeles Department of Public Works Bureau of Engineering 1149 S. Broadway, Suite 600 Los Angeles, CA 90015 **PRESENTED BY**

Tetra Tech 350 S Grand Ave, Suite 3310 Los Angeles, CA 90071 P (213) 279-3283 tetratech.com

Prepared by:

Justin Smith, PE

Reviewed by:

Mauricio Argente

TABLE OF CONTENTS

1.0 INTRODUCTION	3
2.0 PROJECT DESCRIPTION AND PURPOSE	4
3.0 HYDROLOGY CALCULATIONS	6
4.0 HYDRAULIC CALCULATIONS	8

APPENDICIES

APPENDIX A - HYDROLOGY MAP APPENDIX B - LOS ANGELES COUNTY GIS DATA APPENDIX C - HYDROCALC REPORTS APPENDIX D - HYDRAULIC CALCULATIONS APPENDIX E - LID REPORT APPENDIX F - CONSTRUCTION PLANS APPENDIX G – FEMA FLOOD MAPS

1.0 INTRODUCTION

The Sixth Street Viaduct Division of the City of Los Angeles (City) Department of Public Works (DPW), Bureau of Engineering (BOE), is proposing the construction of the Sixth Street Park, Arts, River & Connectivity Improvements (PARC) Project. The Sixth Street PARC Project includes the creation of public recreational space on approximately 12 acres in areas underneath and adjacent to the Sixth Street Viaduct (Viaduct) in the City of Los Angeles.

This scope of this report is to prepare hydrologic and hydraulic calculations for the proposed project in order to size storm drainage facilities to meet the stormwater management requirements of the City and County of Los Angeles.

2.0 PROJECT DESCRIPTION AND PURPOSE

The proposed Project is located under and adjacent to the Sixth Street Viaduct (Viaduct) between Mateo Street to the west and the United States Highway 101 (U.S. 101) to the east in the City of Los Angeles (Project Area). The proposed Project will connect the Downtown LA Arts District, Boyle Heights and the Los Angeles River (River). The Project Area is located in Council District 14 at the boundary of the City of Los Angeles' Central City North and Boyle Heights Community Plan areas.

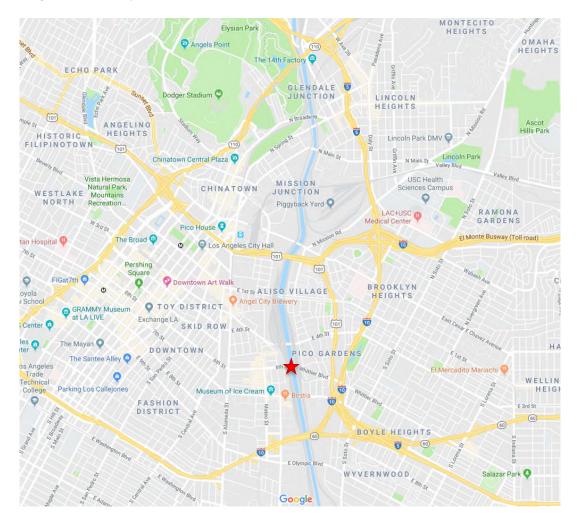


Figure 1. Project Location

The Project Area is located within a fully developed, mixed-use urban setting adjacent to the River. Land uses along the north and south sides of the Viaduct are predominately industrial and commercial. The existing space was primarily developed with industrial and commercial buildings, parking lots, and the old Viaduct that have since been removed as part of the new Sixth Street Viaduct's construction. Outside of the remaining paved roadways running through the Project Area, the site is currently primarily pervious with only minor areas of asphalt and concrete paving remaining within the Project Area. In the existing condition before the previous improvements were removed, runoff generally entered the streets via roof drains where it was intercepted by existing drainage facilities, or it was collected in local site drainage facilities and conveyed to the adjacent main line storm drainage facilities within the roadways. With the existing improvements removed, runoff generally sheet flows across the Project Area into the adjacent roadways where it is intercepted by the existing storm drainage facilities. The PARC Project proposes to redevelop the area with primarily pervious park space. When comparing the proposed Project (neglecting the new Viaduct to be constructed overhead) with the conditions before the existing improvements were removed, the Project Area impervious percentage will be reduced from nearly 100% to approximately 35%. When comparing the proposed Project (neglecting the new Viaduct to be constructed overhead) with the conditions after the existing improvements were removed, the Project Area impervious percentage will be increased from about 15% to approximately 35%. After accounting for the impact of the new Viaduct to be constructed overhead, the Project Area impervious percentage will be approximately 65% rather than 35%. Therefore, the Project Area runoff is anticipated to be reduced when compared to the condition without the existing improvements removed and to be increased when compared to the current condition with the existing improvements removed. Additional PARC Project improvements will include modifications to the adjacent roadways along Santa Fe Avenue, Mission Road, Anderson Street, and Clarence Street. However, the hydrologic condition of these areas will be similar to the current condition, and therefore runoff will be similar to the current condition. As part of the overall improvements, new storm drainage facilities will be sized and installed to manage runoff from the Project Area, tributary runoff from the Viaduct to be constructed overhead, and adjacent roadway runoff as discussed within this report and the Project's Low Impact Development Report (See Appendix E). The captured runoff will be conveyed to the existing storm drainage facilities adjacent to the site. Per the attachments in Appendix G, the Los Angeles River, a major floodway, is the only FEMA Flood Zone "A" mapped area in the vicinity of the Project Site.

3.0 HYDROLOGY CALCULATIONS

Hydrology analyses for the current Project Area condition with previous site improvements removed (existing condition per the PARC Project's environmental documents) and the proposed condition with the new Viaduct constructed overhead were performed in compliance with the Los Angeles County Department of Public Works Hydrology Manual dated January 2006. The HydroCalc program, developed by Los Angeles County, was used to calculate the peak flow rates and peak flow volumes for each of the subareas shown on the Hydrology Maps in Appendix A. The HydroCalc program utilizes the Modified Rational Method. The subareas for the current Project Area are shown on Sheets EH-1 and EH-2. The subareas were split into E-Subareas (PARC Areas) and ES-Subareas (adjacent street areas). The subareas for the proposed condition with the new Viaduct constructed overhead are shown on Sheets EH-3 and EH-4. The subareas were split into P-Subareas (PARC areas), V-Subareas (Viaduct areas above the PARC), and S-Subareas (adjacent street areas). Calculations were performed for the 2-Year, 5-Year, 10-Year, 25-Year, and 50-Year, 24-Hour Design Storm Events. Input data was obtained from the Los Angeles County Hydrology Map (located at http://dpw.lacounty.gov/wrd/hydrologygis/). This data is included in Appendix B. At the project location, the 50-Year, 24-Hour rainfall depth is equal to 5.9 inches. Existing site, proposed Viaduct, and Roadway Subarea flow lengths and slopes were based upon the Viaduct Construction Plans and the existing topographic data for the site and roadways. The flow lengths and slopes for the remaining proposed PARC Project Subareas were set equal to 100 feet and 2 percent respectively due to the relatively flat Project area in which runoff will be captured by area drains spread throughout the site. This assumption sets the time of concentration for each PARC subarea equal to the 5-minute minimum which results in conservative peak flow rates. Full reports generated by the HydroCalc program are included in Appendix C.

Tables 1 and 2 summarize the results of the calculations for the subareas shown on the Hydrology Maps in **Appendix A**. Refer to the results within **Appendix C** for additional information. Total subarea acreage varies between the existing and proposed condition due to the additional area included in the proposed condition due to some of the Viaduct subareas (Portion of Subarea V.2, Subarea V.3, Portion of Subarea V.4 and Portion of Subarea V.10). In the existing condition, runoff within these areas does not enter the Project Site. Additionally, the tributary area to Subarea S.1 is anticipated to slightly increase based upon a separate Metro project currently in construction. Peak flow rates to be used for the hydraulic calculations within Section 4.0 will be summed at junctions as necessary. This approach is conservative due to the fact that it yields a slightly higher peak runoff if compared to an alternative approach which analyzes all sub-areas and utilizes surface routing to generate lag time.

Sixth Street PARC Pre-Project Subareas							
Subarea	Area, ac	% Imp.	Q _{2yr} , cfs	Q5yr, cfs	Q10yr, cfs	Q25yr, cfs	Q50yr, cfs
E1	1.93	12	1.60	3.01	3.89	4.99	5.86
E2	1.78	75	1.21	2.23	2.90	3.84	4.71
E3	7.32	3	1.72	5.27	7.82	11.13	14.76
ES1	0.68	87	0.52	0.92	1.20	1.59	1.96
ES2	0.81	90	0.57	1.01	1.30	1.78	2.17
ES3	2.93	99	1.82	3.22	4.22	5.39	6.40
ES4	1.61	71	1.11	2.10	2.76	3.70	4.59
Totals	17.06	42	8.55	17.76	24.09	32.42	40.45

Table 1. Pre-Project 24-Hour Design Storm Event Results

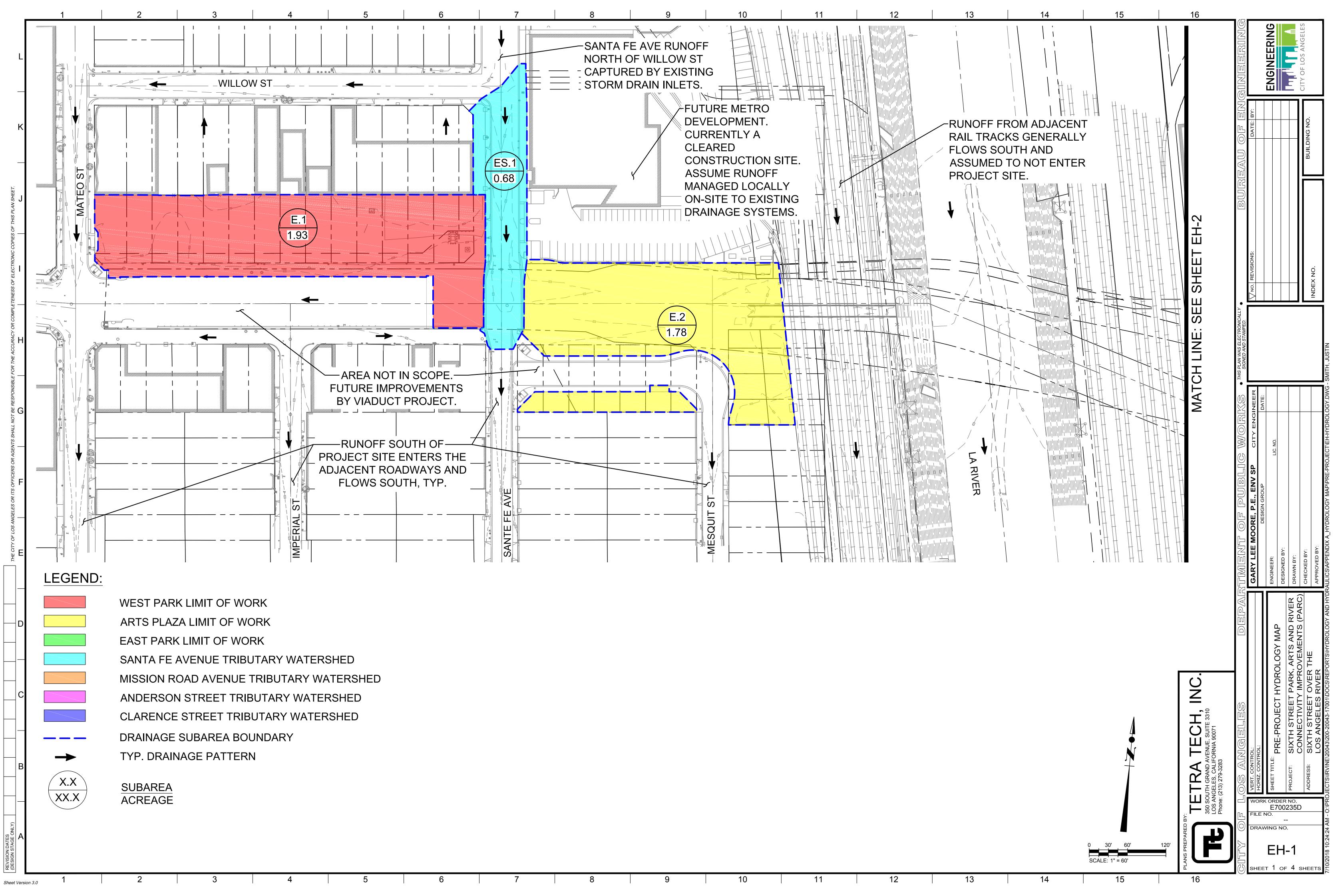
Sixth Street PARC and Viaduct Post-Project Subareas							
Subarea	Area, ac	% Imp.	Q _{2yr} , cfs	Q5yr, cfs	Q _{10yr} , cfs	Q25yr, cfs	Q50yr, cfs
P1	1.78	42	1.83	2.95	3.74	4.72	5.49
P2	0.19	5	0.17	0.29	0.38	0.49	0.58
P3	0.20	65	0.22	0.35	0.43	0.54	0.62
P4	0.27	1	0.24	0.41	0.54	0.69	0.82
P5	0.19	5	0.17	0.29	0.38	0.49	0.58
P6	0.51	25	0.50	0.82	1.05	1.33	1.56
P7	0.15	6	0.14	0.23	0.30	0.39	0.45
P8	0.45	76	0.52	0.80	0.99	1.23	1.41
P9	1.44	43	1.49	2.39	3.03	3.82	4.44
P10	0.68	15	0.64	1.07	1.38	1.76	2.07
P11	0.34	30	0.34	0.55	0.70	0.89	1.04
P12	0.47	1	0.42	0.72	0.93	1.20	1.42
P13	0.02	1	0.02	0.03	0.04	0.05	0.06
V1	0.84	100	0.95	1.55	1.90	2.34	2.66
V2	0.74	100	0.77	1.37	1.67	2.06	2.34
V3	0.58	100	0.61	0.99	1.31	1.61	1.84
V4	0.72	100	0.67	1.22	1.49	2.00	2.28
V5	0.65	100	0.64	1.10	1.47	1.81	2.06
V6	0.69	100	0.68	1.17	1.56	1.92	2.19
V7	0.69	100	0.68	1.17	1.56	1.92	2.19
V8	0.69	100	0.68	1.17	1.56	1.92	2.19
V9	0.69	100	0.68	1.17	1.56	1.92	2.19
V10	0.64	100	0.67	1.09	1.45	1.78	2.03
S 1	0.77	100	0.72	1.22	1.60	2.14	2.44
S2	0.49	100	0.43	0.77	1.02	1.36	1.55
S 3	2.64	100	1.87	3.24	4.31	5.57	6.71
S4	1.43	69	1.19	2.11	2.83	3.88	4.47
Totals	18.95	74	17.94	30.24	39.18	49.83	57.68

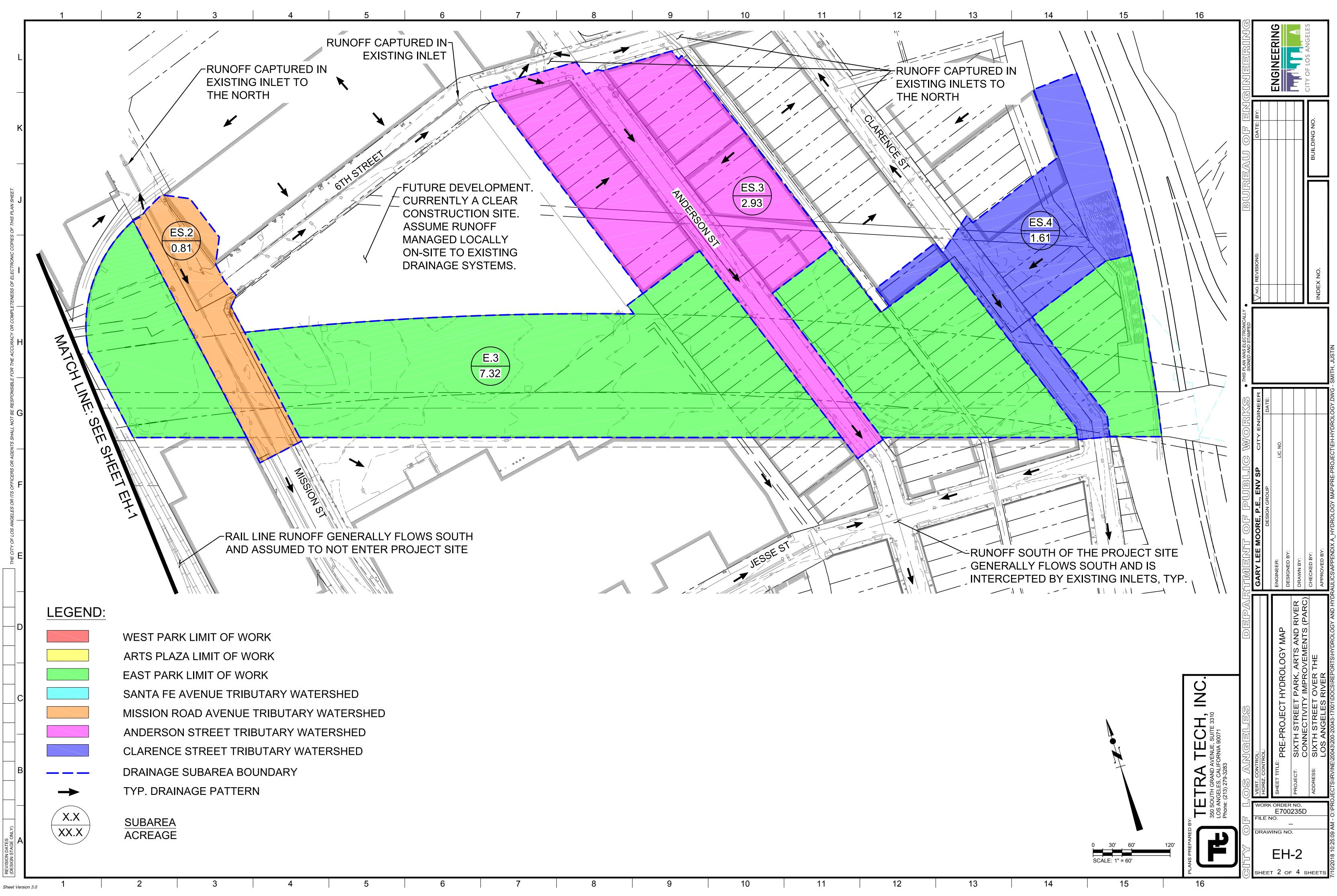
Table 2. Post-Project 24-Hour Design Storm Event Results

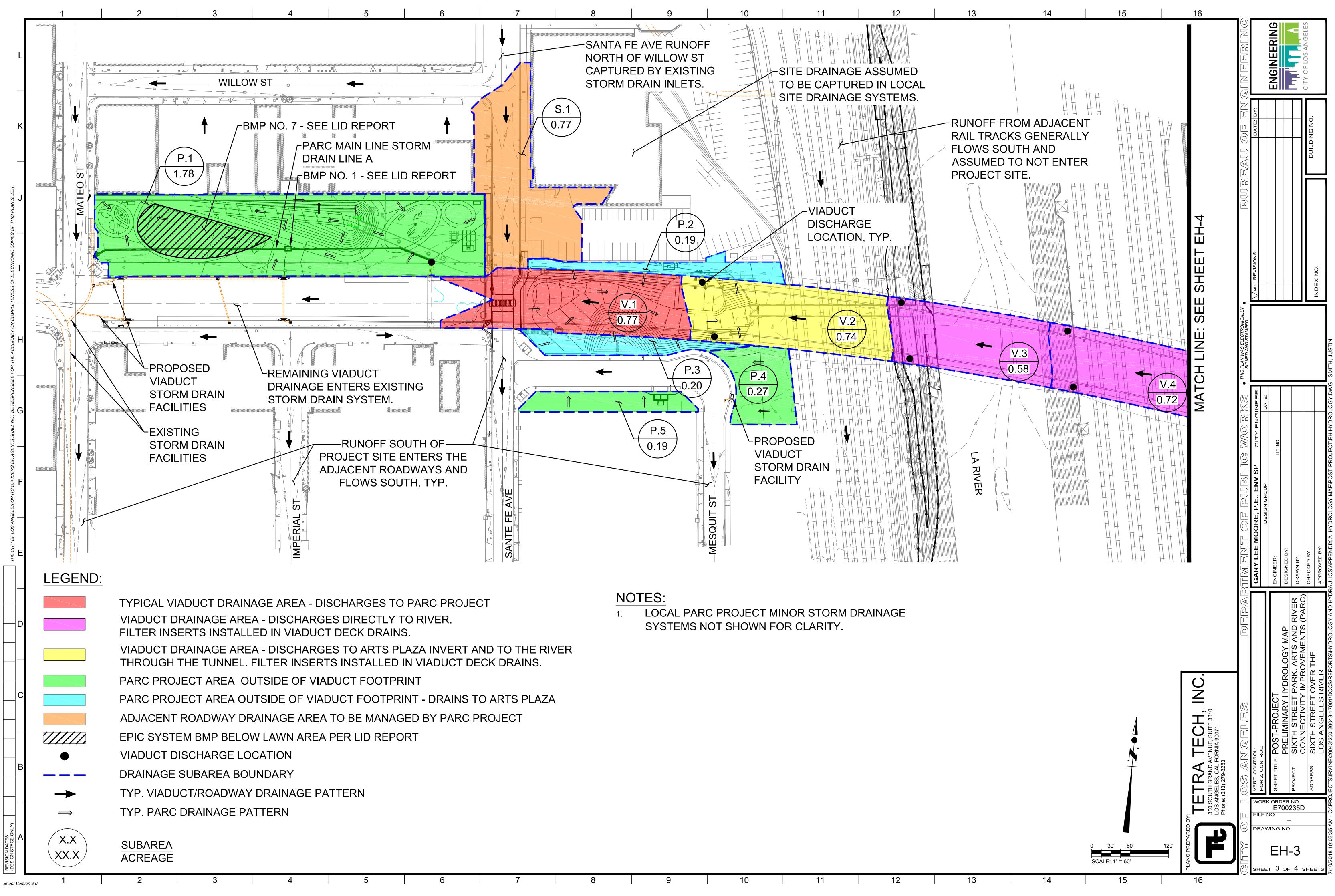
4.0 HYDRAULIC CALCULATIONS

(Section to be completed at a later time.)

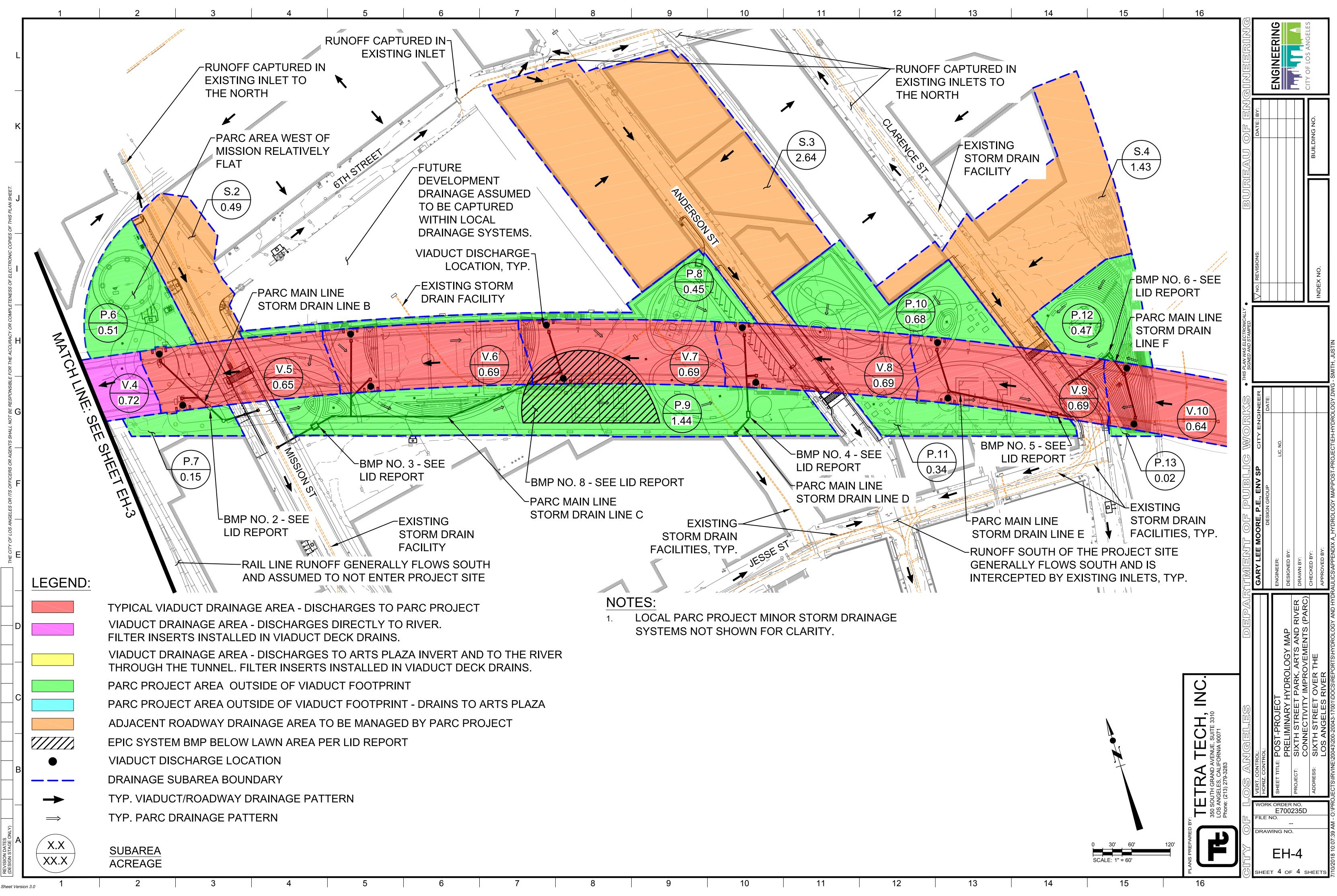
APPENDIX A – HYDROLOGY MAP





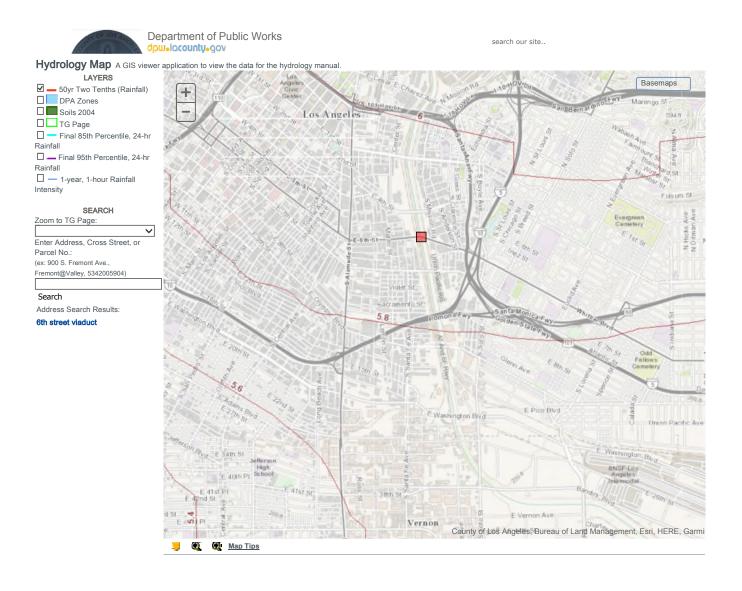


7	8	9	10	11	12
			•		



APPENDIX B – LOS ANGELES COUNTY GIS DATA

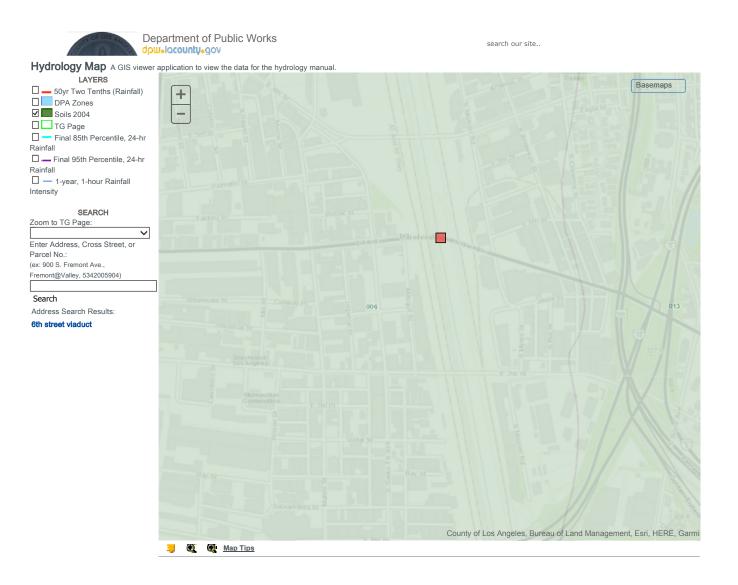
Hydrology Map



lacounty.gov | Public Works FAQ | Privacy / Terms of Use | Feedback | Follow Us 📘

You

5



lacounty.gov | Public Works FAQ | Privacy / Terms of Use | Feedback | Follow Us 📘

You Tube

2

APPENDIX C – HYDROCALC REPORTS

Peak Flow Hydrologic Analysis

File location: O:/Projects/Irvine/20043/200-20043-17001/Docs/Reports/Hydrology and Hydraulics/Appendix C_HydroCalc Calculations/Pre-Project/2-Yea

Input Parameters			
Project Name	Sixth Street PARC		
Subarea ID	E1		
Area (ac)	1.93		
Flow Path Length (ft)	100.0		
Flow Path Slope (vft/hft)	0.01		
50-yr Rainfall Depth (in)	5.9		
Percent Impervious	0.12		
Soil Type	6		
Design Storm Frequency	2-yr		
Fire Factor	0		
LID	False		
Output Results			
Modeled (2-yr) Rainfall Depth (in)	2.2833		
Peak Intensity (in/hr) Undeveloped Runoff Coefficient (Cu)	1.2504		
Undeveloped Runoff Coefficient (Cu)	0.6314		
Developed Runoff Coefficient (Ca)	0.6636		
Time of Concentration (min)	6.0		
Clear Peak Flow Rate (cfs)	1.6015		
Burned Peak Flow Rate (cfs)	1.6015		
24-Hr Clear Runoff Volume (ac-ft)	0.0834		
24-Hr Clear Runoff Volume (cu-ft)	3633.2793		
1.8 Hydrograph (Sixth St	reet PARC: E1)		
1.6 -			
1.4 -			
1.2			
1.2 -			
୍ରିଟ୍ର 1.0 -	-		
(s) 1.0 - NO 0.8 -			
은 0.8 -	-		
0.6 -			
0.4			
0.2			
0.2 -			
0.2 0.0 0 0 200 400 600 800	1000 1200 1400 1600		

Peak Flow Hydrologic Analysis File location: O:/Projects/Irvine/20043/200-20043-17001/Docs/Reports/Hydrology and Hydraulics/Appendix C_HydroCalc Calculations/Pre Version: HydroCalc 1.0.2 **Input Parameters Project Name** Sixth Street PARC Subarea ID E2 Area (ac) 1.78 Flow Path Length (ft) 380.0 Flow Path Slope (vft/hft) 0.004 50-yr Rainfall Depth (in) 5.9 Percent Impervious 0.75 Soil Type 6 **Design Storm Frequency** 2-yr Fire Factor 0 LID False **Output Results** Modeled (2-yr) Rainfall Depth (in) 2.2833 Peak Intensity (in/hr) 0.8397 Undeveloped Runoff Coefficient (Cu) 0.5305 Developed Runoff Coefficient (Cd) 0.8076 Time of Concentration (min) Clear Peak Flow Rate (cfs) 14.0 1.2071 Burned Peak Flow Rate (cfs) 1.2071 24-Hr Clear Runoff Volume (ac-ft) 0.2382 24-Hr Clear Runoff Volume (cu-ft) 10373.9973 Hydrograph (Sixth Street PARC: E2) 1.4 1.2 1.0 0.8 8.0 Elow (cfs) 9.0 8.0 0.4 0.2 0.0 200 400 600 800 1000 1200 1400 1600 n Time (minutes)

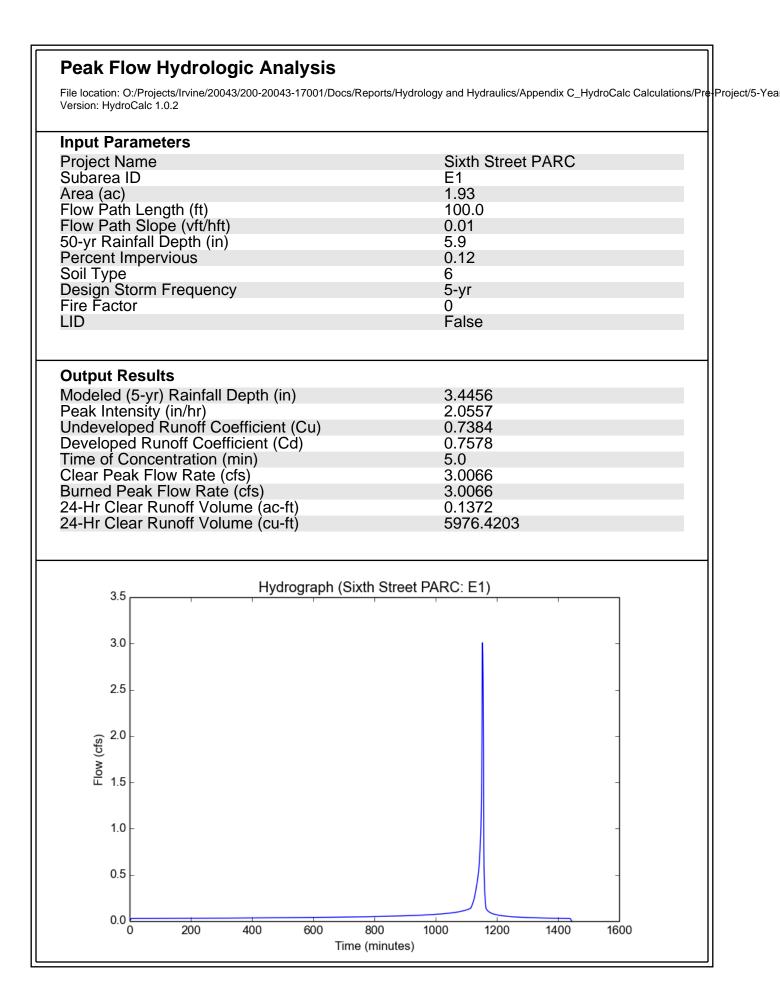
Peak Flow Hydrologic Analysis File location: O:/Projects/Irvine/20043/200-20043-17001/Docs/Reports/Hydrology and Hydraulics/Appendix C_HydroCalc Calculations/Pre Version: HydroCalc 1.0.2 **Input Parameters Project Name** Sixth Street PARC Subarea ID E3 Area (ac) 7.32 Flow Path Length (ft) 800.0 Flow Path Slope (vft/hft) 0.01 50-yr Rainfall Depth (in) 5.9 Percent Impervious 0.03 Soil Type 6 **Design Storm Frequency** 2-yr Fire Factor 0 LID False **Output Results** Modeled (2-yr) Rainfall Depth (in) 2.2833 Peak Intensity (in/hr) 0.5869 Undeveloped Runoff Coefficient (Cu) 0.3847 Developed Runoff Coefficient (Cd) 0.4002 Time of Concentration (min) Clear Peak Flow Rate (cfs) 30.0 1.719 Burned Peak Flow Rate (cfs) 1.719 24-Hr Clear Runoff Volume (ac-ft) 0.2092 24-Hr Clear Runoff Volume (cu-ft) 9112.5382 Hydrograph (Sixth Street PARC: E3) 1.8 1.6 1.4 1.2 0.1 (cfs) 8.0 (cfs) 0.6 0.4 0.2 0.0 200 400 600 800 1000 1200 0 1400 1600 Time (minutes)

Peak Flow Hydrologic Analysis File location: O:/Projects/Irvine/20043/200-20043-17001/Docs/Reports/Hydrology and Hydraulics/Appendix C_HydroCalc Calculations/Pre Version: HydroCalc 1.0.2 **Input Parameters Project Name** Sixth Street PARC Subarea ID ES1 Area (ac) 0.68 Flow Path Length (ft) 415.0 Flow Path Slope (vft/hft) 0.01 50-yr Rainfall Depth (in) 5.9 Percent Impervious 0.87 Soil Type 6 **Design Storm Frequency** 2-yr Fire Factor 0 LID False **Output Results** Modeled (2-yr) Rainfall Depth (in) 2.2833 Peak Intensity (in/hr) 0.9027 Undeveloped Runoff Coefficient (Cu) 0.552 Developed Runoff Coefficient (Cd) 0.8548 Time of Concentration (min) Clear Peak Flow Rate (cfs) 12.0 0.5247 Burned Peak Flow Rate (cfs) 0.5247 24-Hr Clear Runoff Volume (ac-ft) 0.1028 24-Hr Clear Runoff Volume (cu-ft) 4475.8293 Hydrograph (Sixth Street PARC: ES1) 0.6 0.5 0.4 Flow (cfs) 0.3 0.2 0.1 0.0 200 400 600 800 1000 0 1200 1400 1600 Time (minutes)

Peak Flow Hydrologic Analysis File location: O:/Projects/Irvine/20043/200-20043-17001/Docs/Reports/Hydrology and Hydraulics/Appendix C_HydroCalc Calculations/Pre Version: HydroCalc 1.0.2 **Input Parameters Project Name** Sixth Street PARC Subarea ID ES2 Area (ac) 0.81 Flow Path Length (ft) 435.0 Flow Path Slope (vft/hft) 0.004 50-yr Rainfall Depth (in) 5.9 Percent Impervious 0.9 Soil Type 6 **Design Storm Frequency** 2-yr Fire Factor 0 LID False **Output Results** Modeled (2-yr) Rainfall Depth (in) 2.2833 Peak Intensity (in/hr) 0.8129 Undeveloped Runoff Coefficient (Cu) 0.5214 Developed Runoff Coefficient (Cd) 0.8621 Time of Concentration (min) Clear Peak Flow Rate (cfs) 15.0 0.5676 Burned Peak Flow Rate (cfs) 0.5676 24-Hr Clear Runoff Volume (ac-ft) 0.1259 24-Hr Clear Runoff Volume (cu-ft) 5483.5123 Hydrograph (Sixth Street PARC: ES2) 0.6 0.5 0.4 Flow (cfs) 0.3 0.2 0.1 0.0 200 400 600 800 1000 1200 1400 1600 n Time (minutes)

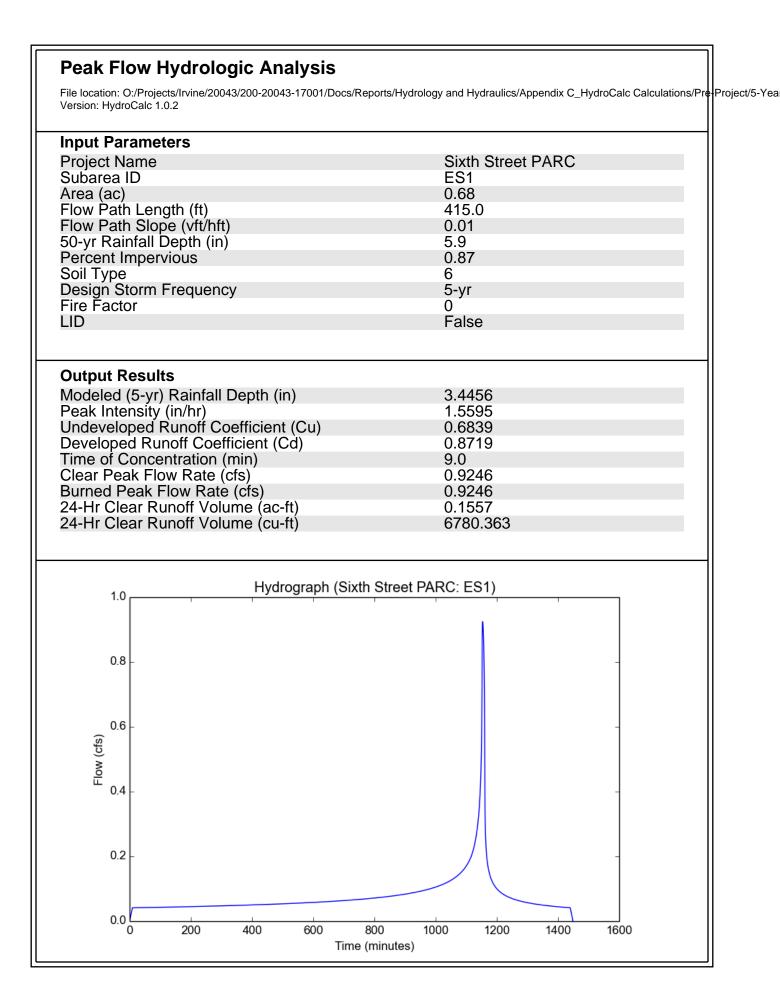
Peak Flow Hydrologic Analysis File location: O:/Projects/Irvine/20043/200-20043-17001/Docs/Reports/Hydrology and Hydraulics/Appendix C_HydroCalc Calculations/Pre Version: HydroCalc 1.0.2 **Input Parameters Project Name** Sixth Street PARC Subarea ID ES3 Area (ac) 2.93 Flow Path Length (ft) 735.0 Flow Path Slope (vft/hft) 0.0035 50-yr Rainfall Depth (in) 5.9 Percent Impervious 0.99 Soil Type 6 **Design Storm Frequency** 2-yr Fire Factor 0 LID False **Output Results** Modeled (2-yr) Rainfall Depth (in) 2.2833 Peak Intensity (in/hr) 0.694 Undeveloped Runoff Coefficient (Cu) 0.4603 Developed Runoff Coefficient (Cd) 0.8956 Time of Concentration (min) Clear Peak Flow Rate (cfs) 21.0 1.8211 Burned Peak Flow Rate (cfs) 1.8211 24-Hr Clear Runoff Volume (ac-ft) 0.4934 24-Hr Clear Runoff Volume (cu-ft) 21491.2049 Hydrograph (Sixth Street PARC: ES3) 2.0 1.5 Flow (cfs) 1.0 0.5 0.0 200 400 600 800 1000 1200 1400 1600 Time (minutes)

Peak Flow Hydrologic Analysis File location: O:/Projects/Irvine/20043/200-20043-17001/Docs/Reports/Hydrology and Hydraulics/Appendix C_HydroCalc Calculations/Pre Version: HydroCalc 1.0.2 **Input Parameters Project Name** Sixth Street PARC Subarea ID ES4 Area (ac) 1.61 Flow Path Length (ft) 400.0 Flow Path Slope (vft/hft) 0.008 50-yr Rainfall Depth (in) 5.9 Percent Impervious 0.71 Soil Type 6 **Design Storm Frequency** 2-yr Fire Factor 0 LID False **Output Results** Modeled (2-yr) Rainfall Depth (in) 2.2833 Peak Intensity (in/hr) 0.8694 Undeveloped Runoff Coefficient (Cu) 0.5407 Developed Runoff Coefficient (Cd) 0.7958 Time of Concentration (min) Clear Peak Flow Rate (cfs) 13.0 1.1139 Burned Peak Flow Rate (cfs) 1.1139 24-Hr Clear Runoff Volume (ac-ft) 0.2061 24-Hr Clear Runoff Volume (cu-ft) 8979.736 Hydrograph (Sixth Street PARC: ES4) 1.2 1.0 0.8 Flow (cfs) 0.6 0.4 0.2 0.0 200 400 600 800 1000 1200 1400 1600 n Time (minutes)



Peak Flow Hydrologic Analysis File location: O:/Projects/Irvine/20043/200-20043-17001/Docs/Reports/Hydrology and Hydraulics/Appendix C_HydroCalc Calculations/Pre Version: HydroCalc 1.0.2 **Input Parameters Project Name** Sixth Street PARC Subarea ID E2 Area (ac) 1.78 Flow Path Length (ft) 380.0 Flow Path Slope (vft/hft) 0.004 50-yr Rainfall Depth (in) 5.9 Percent Impervious 0.75 Soil Type 6 **Design Storm Frequency** 5-yr Fire Factor 0 LID False **Output Results** Modeled (5-yr) Rainfall Depth (in) 3.4456 Peak Intensity (in/hr) 1.4842 Undeveloped Runoff Coefficient (Cu) 0.6745 Developed Runoff Coefficient (Cd) 0.8436 Time of Concentration (min) Clear Peak Flow Rate (cfs) 10.0 2.2287 Burned Peak Flow Rate (cfs) 2.2287 24-Hr Clear Runoff Volume (ac-ft) 0.3624 24-Hr Clear Runoff Volume (cu-ft) 15788.1733 Hydrograph (Sixth Street PARC: E2) 2.5 2.0 1.5 Flow (cfs) 1.0 0.5 0.0 200 400 600 800 1000 0 1200 1400 1600 Time (minutes)

Peak Flow Hydrologic Analysis File location: O:/Projects/Irvine/20043/200-20043-17001/Docs/Reports/Hydrology and Hydraulics/Appendix C_HydroCalc Calculations/Pre Version: HydroCalc 1.0.2 **Input Parameters Project Name** Sixth Street PARC Subarea ID E3 Area (ac) 7.32 Flow Path Length (ft) 800.0 Flow Path Slope (vft/hft) 0.01 50-yr Rainfall Depth (in) 5.9 Percent Impervious 0.03 Soil Type 6 **Design Storm Frequency** 5-yr Fire Factor 0 LID False **Output Results** Modeled (5-yr) Rainfall Depth (in) 3.4456 Peak Intensity (in/hr) 1.1566 Undeveloped Runoff Coefficient (Cu) 0.6141 Developed Runoff Coefficient (Cd) 0.6227 Time of Concentration (min) 17.0 Clear Peak Flow Rate (cfs) 5.2715 Burned Peak Flow Rate (cfs) 5.2715 24-Hr Clear Runoff Volume (ac-ft) 0.3788 24-Hr Clear Runoff Volume (cu-ft) 16501.8076 Hydrograph (Sixth Street PARC: E3) 6 5 4 Flow (cfs) 3 2 1 0 600 800 1000 1200 0 200 400 1400 1600 Time (minutes)



Peak Flow Hydrologic Analysis File location: O:/Projects/Irvine/20043/200-20043-17001/Docs/Reports/Hydrology and Hydraulics/Appendix C_HydroCalc Calculations/Pre Version: HydroCalc 1.0.2 **Input Parameters Project Name** Sixth Street PARC Subarea ID ES2 Area (ac) 0.81 Flow Path Length (ft) 435.0 Flow Path Slope (vft/hft) 0.004 50-yr Rainfall Depth (in) 5.9 Percent Impervious 0.9 Soil Type 6 **Design Storm Frequency** 5-yr Fire Factor 0 LID False **Output Results** Modeled (5-yr) Rainfall Depth (in) 3.4456 Peak Intensity (in/hr) 1.4192 Undeveloped Runoff Coefficient (Cu) 0.6625 Developed Runoff Coefficient (Cd) 0.8763 Time of Concentration (min) Clear Peak Flow Rate (cfs) 11.0 1.0073 Burned Peak Flow Rate (cfs) 1.0073 24-Hr Clear Runoff Volume (ac-ft) 0.1905 24-Hr Clear Runoff Volume (cu-ft) 8299.2035 Hydrograph (Sixth Street PARC: ES2) 1.2 1.0 0.8 Flow (cfs) 0.6 0.4 0.2 0.0 200 400 600 800 1000 0 1200 1400 1600 Time (minutes)

Peak Flow Hydrologic Analysis File location: O:/Projects/Irvine/20043/200-20043-17001/Docs/Reports/Hydrology and Hydraulics/Appendix C_HydroCalc Calculations/Pre Version: HydroCalc 1.0.2 **Input Parameters Project Name** Sixth Street PARC Subarea ID ES3 Area (ac) 2.93 Flow Path Length (ft) 735.0 Flow Path Slope (vft/hft) 0.0035 50-yr Rainfall Depth (in) 5.9 Percent Impervious 0.99 Soil Type 6 **Design Storm Frequency** 5-yr Fire Factor 0 LID False **Output Results** Modeled (5-yr) Rainfall Depth (in) 3.4456 Peak Intensity (in/hr) 1.2267 Undeveloped Runoff Coefficient (Cu) 0.627 Developed Runoff Coefficient (Cd) 0.8973 Time of Concentration (min) Clear Peak Flow Rate (cfs) 15.0 3.2249 Burned Peak Flow Rate (cfs) 3.2249 24-Hr Clear Runoff Volume (ac-ft) 0.7447 24-Hr Clear Runoff Volume (cu-ft) 32440.7835 Hydrograph (Sixth Street PARC: ES3) 3.5 3.0 2.5 2.0 2.0 (cts) 1.5 1.0 0.5 0.0 200 400 600 800 1000 1200 1400 1600 Time (minutes)

Peak Flow Hydrologic Analysis File location: O:/Projects/Irvine/20043/200-20043-17001/Docs/Reports/Hydrology and Hydraulics/Appendix C_HydroCalc Calculations/Pre Version: HydroCalc 1.0.2 **Input Parameters Project Name** Sixth Street PARC Subarea ID ES4 Area (ac) 1.61 Flow Path Length (ft) 400.0 Flow Path Slope (vft/hft) 0.008 50-yr Rainfall Depth (in) 5.9 Percent Impervious 0.71 Soil Type 6 **Design Storm Frequency** 5-yr Fire Factor 0 LID False **Output Results** Modeled (5-yr) Rainfall Depth (in) 3.4456 Peak Intensity (in/hr) 1.5595 Undeveloped Runoff Coefficient (Cu) 0.6839 Developed Runoff Coefficient (Cd) 0.8373 Time of Concentration (min) Clear Peak Flow Rate (cfs) 9.0 2.1024 Burned Peak Flow Rate (cfs) 2.1024 24-Hr Clear Runoff Volume (ac-ft) 0.3143 24-Hr Clear Runoff Volume (cu-ft) 13690.2575 Hydrograph (Sixth Street PARC: ES4) 2.5 2.0 1.5 Flow (cfs) 1.0 0.5 0.0 200 400 600 800 1000 0 1200 1400 1600 Time (minutes)

Peak Flow Hydrologic Analysis File location: O:/Projects/Irvine/20043/200-20043-17001/Docs/Reports/Hydrology and Hydraulics/Appendix C_HydroCalc Calculations/Pre Version: HydroCalc 1.0.2 **Input Parameters Project Name** Sixth Street PARC Subarea ID E1 Area (ac) 1.93 Flow Path Length (ft) 100.0 Flow Path Slope (vft/hft) 0.01 50-yr Rainfall Depth (in) 5.9 Percent Impervious 0.12 Soil Type 6 **Design Storm Frequency** 10-yr Fire Factor 0 LID False **Output Results** Modeled (10-yr) Rainfall Depth (in) 4.2126 Peak Intensity (in/hr) 2.5134 Undeveloped Runoff Coefficient (Cu) 0.7881 Developed Runoff Coefficient (Cd) 0.8015 Time of Concentration (min) Clear Peak Flow Rate (cfs) 5.0 3.8881 Burned Peak Flow Rate (cfs) 3.8881 24-Hr Clear Runoff Volume (ac-ft) 0.1774 24-Hr Clear Runoff Volume (cu-ft) 7727.8309 Hydrograph (Sixth Street PARC: E1) 4.0 3.5 3.0 2.5 Flow (cfs) 2.0 1.5 1.0 0.5 0.0 1000 0 200 400 600 800 1200 1400 1600 Time (minutes)

Peak Flow Hydrologic Analysis File location: O:/Projects/Irvine/20043/200-20043-17001/Docs/Reports/Hydrology and Hydraulics/Appendix C_HydroCalc Calculations/Pre Version: HydroCalc 1.0.2 **Input Parameters Project Name** Sixth Street PARC Subarea ID E2 Area (ac) 1.78 Flow Path Length (ft) 380.0 Flow Path Slope (vft/hft) 0.004 50-yr Rainfall Depth (in) 5.9 Percent Impervious 0.75 Soil Type 6 **Design Storm Frequency** 10-yr Fire Factor 0 LID False **Output Results** Modeled (10-yr) Rainfall Depth (in) 4.2126 Peak Intensity (in/hr) 1.9067 Undeveloped Runoff Coefficient (Cu) 0.722 Developed Runoff Coefficient (Cd) 0.8555 Time of Concentration (min) Clear Peak Flow Rate (cfs) 9.0 2.9035 Burned Peak Flow Rate (cfs) 2.9035 24-Hr Clear Runoff Volume (ac-ft) 0.4456 24-Hr Clear Runoff Volume (cu-ft) 19410.4018 Hydrograph (Sixth Street PARC: E2) 3.0 2.5 2.0 Flow (cfs) 1.5 1.0 0.5 0.0 200 400 600 800 1000 0 1200 1400 1600 Time (minutes)

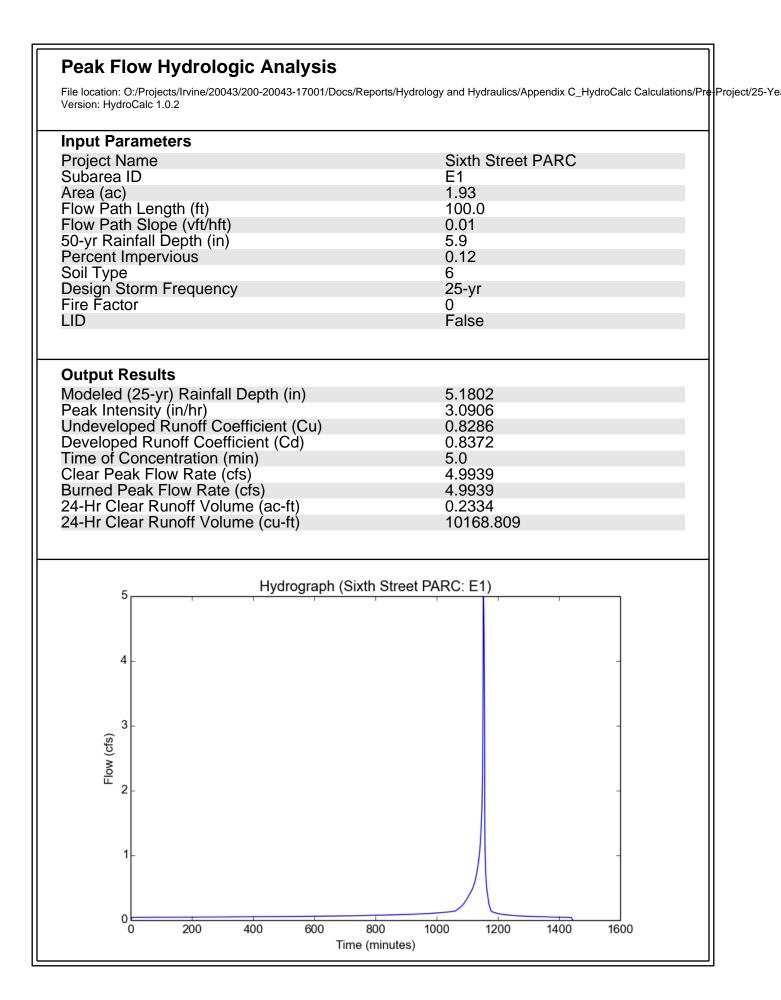
Peak Flow Hydrologic Analysis File location: O:/Projects/Irvine/20043/200-20043-17001/Docs/Reports/Hydrology and Hydraulics/Appendix C_HydroCalc Calculations/Pre Version: HydroCalc 1.0.2 **Input Parameters Project Name** Sixth Street PARC Subarea ID E3 Area (ac) 7.32 Flow Path Length (ft) 800.0 Flow Path Slope (vft/hft) 0.01 50-yr Rainfall Depth (in) 5.9 Percent Impervious 0.03 Soil Type 6 **Design Storm Frequency** 10-yr Fire Factor 0 LID False **Output Results** Modeled (10-yr) Rainfall Depth (in) 4.2126 Peak Intensity (in/hr) 1.5491 Undeveloped Runoff Coefficient (Cu) 0.6828 Developed Runoff Coefficient (Cd) 0.6893 Time of Concentration (min) Clear Peak Flow Rate (cfs) 14.0 7.8167 Burned Peak Flow Rate (cfs) 7.8167 24-Hr Clear Runoff Volume (ac-ft) 0.5033 24-Hr Clear Runoff Volume (cu-ft) 21921.9567 Hydrograph (Sixth Street PARC: E3) 8 7 6 5 Flow (cfs) 4 3 2 1 0 800 1000 1200 0 200 400 600 1400 1600 Time (minutes)

Peak Flow Hydrologic Analysis File location: O:/Projects/Irvine/20043/200-20043-17001/Docs/Reports/Hydrology and Hydraulics/Appendix C_HydroCalc Calculations/Pre Version: HydroCalc 1.0.2 **Input Parameters Project Name** Sixth Street PARC Subarea ID ES1 Area (ac) 0.68 Flow Path Length (ft) 415.0 Flow Path Slope (vft/hft) 0.01 50-yr Rainfall Depth (in) 5.9 Percent Impervious 0.87 Soil Type 6 **Design Storm Frequency** 10-yr Fire Factor 0 LID False **Output Results** Modeled (10-yr) Rainfall Depth (in) 4.2126 Peak Intensity (in/hr) 2.0152 Undeveloped Runoff Coefficient (Cu) 0.734 Developed Runoff Coefficient (Cd) 0.8784 Time of Concentration (min) Clear Peak Flow Rate (cfs) 8.0 1.2037 Burned Peak Flow Rate (cfs) 1.2037 24-Hr Clear Runoff Volume (ac-ft) 0.1908 24-Hr Clear Runoff Volume (cu-ft) 8311.121 Hydrograph (Sixth Street PARC: ES1) 1.4 1.2 1.0 0.8 8.0 Elow (cfs) 9.0 8.0 0.4 0.2 0.0 200 400 600 800 1000 0 1200 1400 1600 Time (minutes)

Peak Flow Hydrologic Analysis File location: O:/Projects/Irvine/20043/200-20043-17001/Docs/Reports/Hydrology and Hydraulics/Appendix C_HydroCalc Calculations/Pre Version: HydroCalc 1.0.2 **Input Parameters Project Name** Sixth Street PARC Subarea ID ES2 Area (ac) 0.81 Flow Path Length (ft) 435.0 Flow Path Slope (vft/hft) 0.004 50-yr Rainfall Depth (in) 5.9 Percent Impervious 0.9 Soil Type 6 **Design Storm Frequency** 10-yr Fire Factor 0 LID False **Output Results** Modeled (10-yr) Rainfall Depth (in) 4.2126 Peak Intensity (in/hr) 1.8146 Undeveloped Runoff Coefficient (Cu) 0.7119 Developed Runoff Coefficient (Cd) 0.8812 Time of Concentration (min) Clear Peak Flow Rate (cfs) 10.0 1.2952 Burned Peak Flow Rate (cfs) 1.2952 24-Hr Clear Runoff Volume (ac-ft) 0.2334 24-Hr Clear Runoff Volume (cu-ft) 10166.3037 Hydrograph (Sixth Street PARC: ES2) 1.4 1.2 1.0 0.8 8.0 Elow (cfs) 9.0 8.0 0.4 0.2 0.0 200 400 600 800 1000 0 1200 1400 1600 Time (minutes)

Peak Flow Hydrologic Analysis File location: O:/Projects/Irvine/20043/200-20043-17001/Docs/Reports/Hydrology and Hydraulics/Appendix C_HydroCalc Calculations/Pre Version: HydroCalc 1.0.2 **Input Parameters Project Name** Sixth Street PARC Subarea ID ES3 Area (ac) 2.93 Flow Path Length (ft) 735.0 Flow Path Slope (vft/hft) 0.0035 50-yr Rainfall Depth (in) 5.9 Percent Impervious 0.99 Soil Type 6 **Design Storm Frequency** 10-yr Fire Factor 0 LID False **Output Results** Modeled (10-yr) Rainfall Depth (in) 4.2126 1.604 Peak Intensity (in/hr) Undeveloped Runoff Coefficient (Cu) 0.6888 Developed Runoff Coefficient (Cd) 0.8979 Time of Concentration (min) Clear Peak Flow Rate (cfs) 13.0 4.2199 Burned Peak Flow Rate (cfs) 4.2199 24-Hr Clear Runoff Volume (ac-ft) 0.9107 24-Hr Clear Runoff Volume (cu-ft) 39669.356 Hydrograph (Sixth Street PARC: ES3) 4.5 4.0 3.5 3.0 Flow (cfs) 2.5 2.0 1.5 1.0 0.5 0.0 200 400 600 800 1000 0 1200 1400 1600 Time (minutes)

Peak Flow Hydrologic Analysis File location: O:/Projects/Irvine/20043/200-20043-17001/Docs/Reports/Hydrology and Hydraulics/Appendix C_HydroCalc Calculations/Pre Version: HydroCalc 1.0.2 **Input Parameters Project Name** Sixth Street PARC Subarea ID ES4 Area (ac) 1.61 Flow Path Length (ft) 400.0 Flow Path Slope (vft/hft) 0.008 50-yr Rainfall Depth (in) 5.9 Percent Impervious 0.71 Soil Type 6 **Design Storm Frequency** 10-yr Fire Factor 0 LID False **Output Results** Modeled (10-yr) Rainfall Depth (in) 4.2126 Peak Intensity (in/hr) 2.0152 Undeveloped Runoff Coefficient (Cu) 0.734 Developed Runoff Coefficient (Cd) 0.8518 Time of Concentration (min) Clear Peak Flow Rate (cfs) 8.0 2.7638 Burned Peak Flow Rate (cfs) 2.7638 24-Hr Clear Runoff Volume (ac-ft) 0.3868 24-Hr Clear Runoff Volume (cu-ft) 16850.942 Hydrograph (Sixth Street PARC: ES4) 3.0 2.5 2.0 Flow (cfs) 1.5 1.0 0.5 0.0 200 400 600 800 1000 0 1200 1400 1600 Time (minutes)



Peak Flow Hydrologic Analysis File location: O:/Projects/Irvine/20043/200-20043-17001/Docs/Reports/Hydrology and Hydraulics/Appendix C_HydroCalc Calculations/Pre Version: HydroCalc 1.0.2 **Input Parameters Project Name** Sixth Street PARC Subarea ID E2 Area (ac) 1.78 Flow Path Length (ft) 380.0 Flow Path Slope (vft/hft) 0.004 50-yr Rainfall Depth (in) 5.9 Percent Impervious 0.75 Soil Type 6 **Design Storm Frequency** 25-yr Fire Factor 0 LID False **Output Results** Modeled (25-yr) Rainfall Depth (in) 5.1802 Peak Intensity (in/hr) 2.4781 Undeveloped Runoff Coefficient (Cu) 0.7848 Developed Runoff Coefficient (Cd) 0.8712 Time of Concentration (min) 8.0 Clear Peak Flow Rate (cfs) 3.8428 Burned Peak Flow Rate (cfs) 3.8428 24-Hr Clear Runoff Volume (ac-ft) 0.552 24-Hr Clear Runoff Volume (cu-ft) 24045.6058 Hydrograph (Sixth Street PARC: E2) 4.0 3.5 3.0 2.5 Flow (cfs) 2.0 1.5 1.0 0.5 0.0 200 400 600 800 1000 0 1200 1400 1600 Time (minutes)

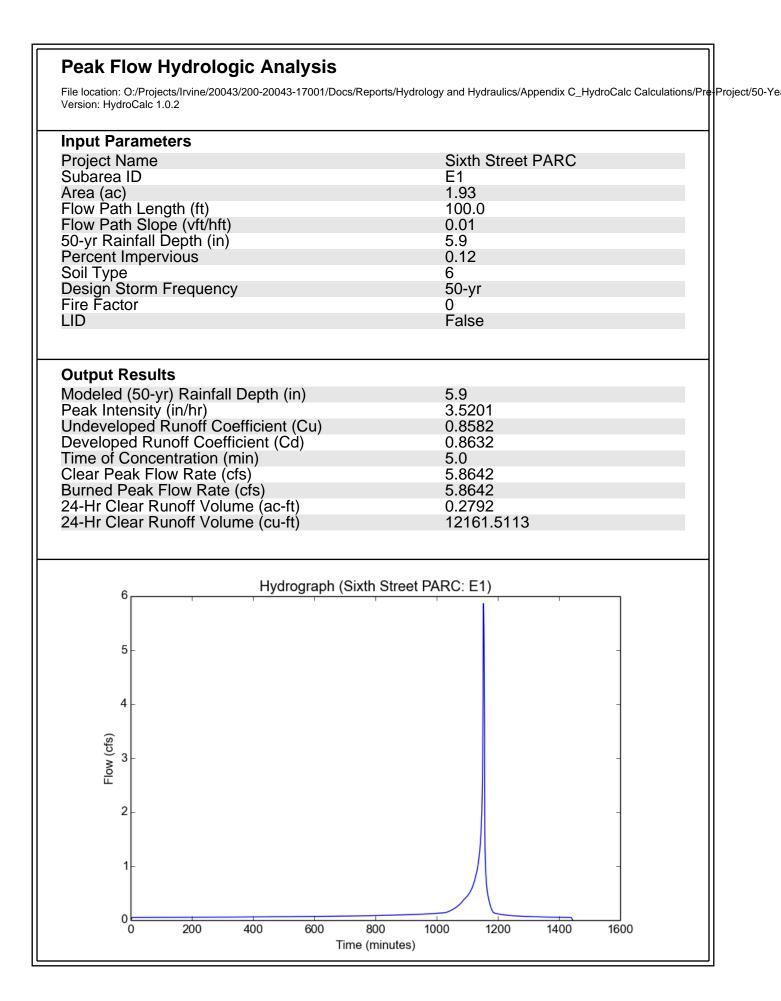
Peak Flow Hydrologic Analysis File location: O:/Projects/Irvine/20043/200-20043-17001/Docs/Reports/Hydrology and Hydraulics/Appendix C_HydroCalc Calculations/Pre Version: HydroCalc 1.0.2 **Input Parameters Project Name** Sixth Street PARC Subarea ID E3 Area (ac) 7.32 Flow Path Length (ft) 800.0 Flow Path Slope (vft/hft) 0.01 50-yr Rainfall Depth (in) 5.9 Percent Impervious 0.03 Soil Type 6 **Design Storm Frequency** 25-yr Fire Factor 0 LID False **Output Results** Modeled (25-yr) Rainfall Depth (in) 5.1802 Peak Intensity (in/hr) 2.0481 Undeveloped Runoff Coefficient (Cu) 0.7376 Developed Runoff Coefficient (Cd) 0.7424 Time of Concentration (min) 12.0 Clear Peak Flow Rate (cfs) 11.1308 Burned Peak Flow Rate (cfs) 11.1308 24-Hr Clear Runoff Volume (ac-ft) 0.682 24-Hr Clear Runoff Volume (cu-ft) 29707.1985 Hydrograph (Sixth Street PARC: E3) 12 10 8 Flow (cfs) 6 4 2 0 1000 0 200 400 600 800 1200 1400 1600 Time (minutes)

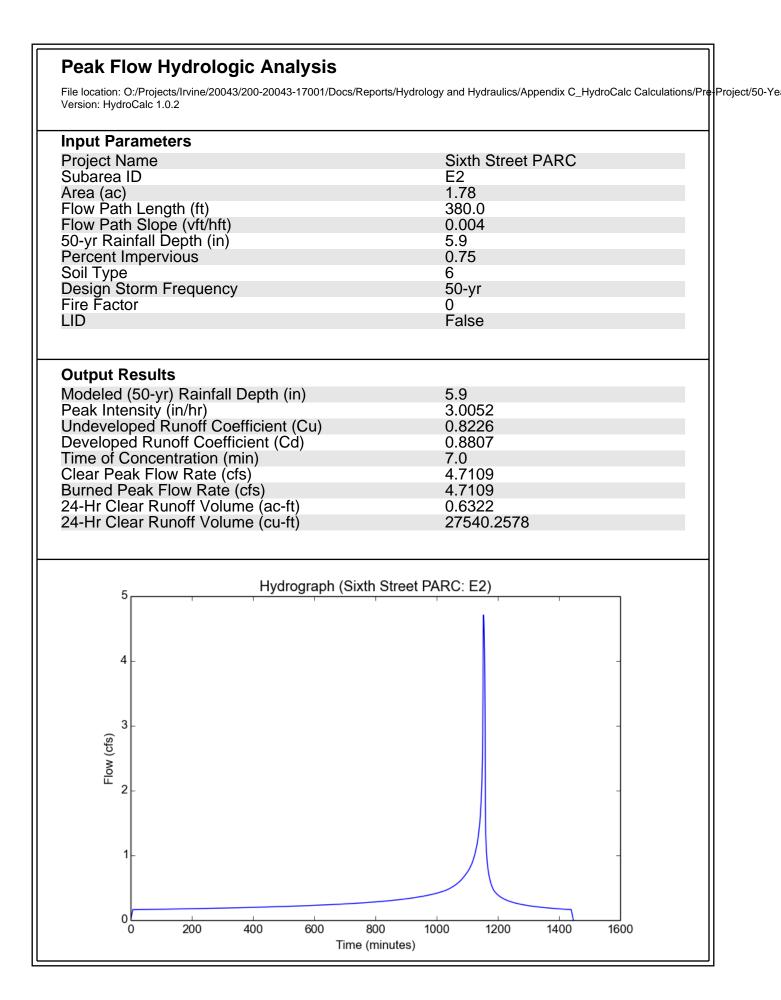
Peak Flow Hydrologic Analysis File location: O:/Projects/Irvine/20043/200-20043-17001/Docs/Reports/Hydrology and Hydraulics/Appendix C_HydroCalc Calculations/Pre Version: HydroCalc 1.0.2 **Input Parameters Project Name** Sixth Street PARC Subarea ID ES1 Area (ac) 0.68 Flow Path Length (ft) 415.0 Flow Path Slope (vft/hft) 0.01 50-yr Rainfall Depth (in) 5.9 Percent Impervious 0.87 Soil Type 6 **Design Storm Frequency** 25-yr Fire Factor 0 LID False **Output Results** Modeled (25-yr) Rainfall Depth (in) 5.1802 Peak Intensity (in/hr) 2.6386 Undeveloped Runoff Coefficient (Cu) 0.7969 Developed Runoff Coefficient (Cd) 0.8866 Time of Concentration (min) Clear Peak Flow Rate (cfs) 7.0 1.5908 Burned Peak Flow Rate (cfs) 1.5908 24-Hr Clear Runoff Volume (ac-ft) 0.2354 24-Hr Clear Runoff Volume (cu-ft) 10255.4132 Hydrograph (Sixth Street PARC: ES1) 1.6 1.4 1.2 1.0 Flow (cfs) 0.8 0.6 0.4 0.2 0.0 200 400 600 800 1000 0 1200 1400 1600 Time (minutes)

Peak Flow Hydrologic Analysis File location: O:/Projects/Irvine/20043/200-20043-17001/Docs/Reports/Hydrology and Hydraulics/Appendix C_HydroCalc Calculations/Pre Version: HydroCalc 1.0.2 **Input Parameters Project Name** Sixth Street PARC Subarea ID ES2 Area (ac) 0.81 Flow Path Length (ft) 435.0 Flow Path Slope (vft/hft) 0.004 50-yr Rainfall Depth (in) 5.9 Percent Impervious 0.9 Soil Type 6 **Design Storm Frequency** 25-yr Fire Factor 0 LID False **Output Results** Modeled (25-yr) Rainfall Depth (in) 5.1802 Peak Intensity (in/hr) 2.4781 Undeveloped Runoff Coefficient (Cu) 0.7848 Developed Runoff Coefficient (Cd) 0.8885 Time of Concentration (min) Clear Peak Flow Rate (cfs) 8.0 1.7834 Burned Peak Flow Rate (cfs) 1.7834 24-Hr Clear Runoff Volume (ac-ft) 0.2877 24-Hr Clear Runoff Volume (cu-ft) 12533.7973 Hydrograph (Sixth Street PARC: ES2) 1.8 1.6 1.4 1.2 0.1 (cfs) 8.0 (cfs) 0.6 0.4 0.2 0.0 200 400 600 800 1000 0 1200 1400 1600 Time (minutes)

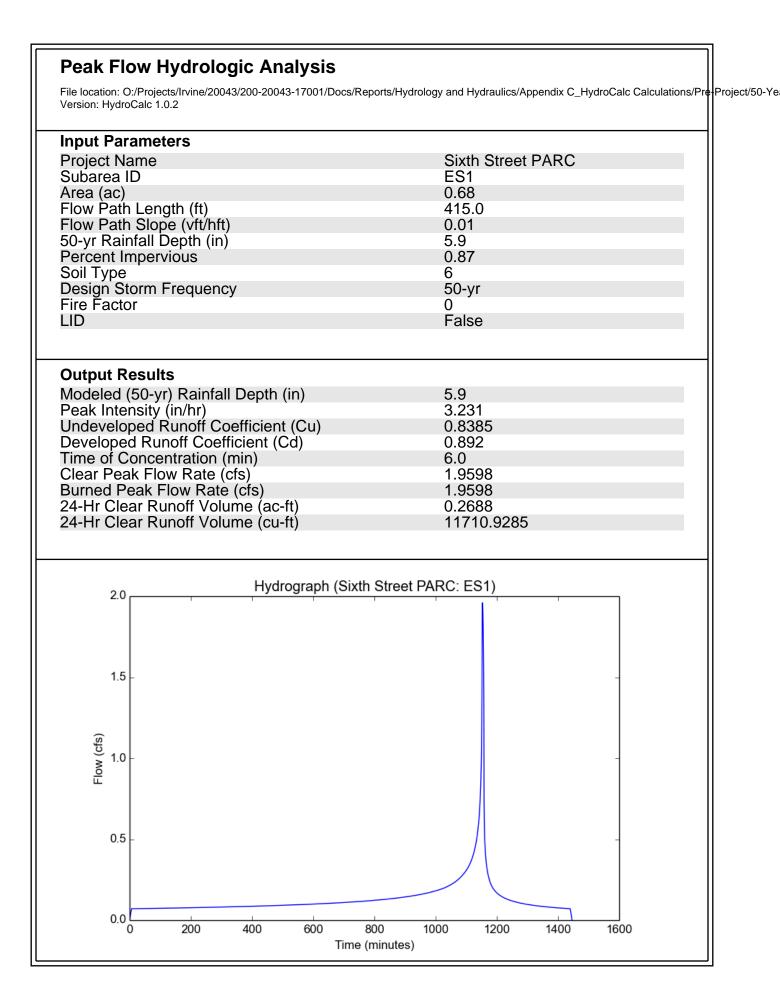
Peak Flow Hydrologic Analysis File location: O:/Projects/Irvine/20043/200-20043-17001/Docs/Reports/Hydrology and Hydraulics/Appendix C_HydroCalc Calculations/Pre Version: HydroCalc 1.0.2 **Input Parameters Project Name** Sixth Street PARC Subarea ID ES3 Area (ac) 2.93 Flow Path Length (ft) 735.0 Flow Path Slope (vft/hft) 0.0035 50-yr Rainfall Depth (in) 5.9 Percent Impervious 0.99 Soil Type 6 **Design Storm Frequency** 25-yr Fire Factor 0 LID False **Output Results** Modeled (25-yr) Rainfall Depth (in) 5.1802 Peak Intensity (in/hr) 2.0481 Undeveloped Runoff Coefficient (Cu) 0.7376 Developed Runoff Coefficient (Cd) 0.8984 Time of Concentration (min) Clear Peak Flow Rate (cfs) 12.0 5.3911 Burned Peak Flow Rate (cfs) 5.3911 24-Hr Clear Runoff Volume (ac-ft) 1.1201 24-Hr Clear Runoff Volume (cu-ft) 48792.3746 Hydrograph (Sixth Street PARC: ES3) 6 5 4 Flow (cfs) 3 2 1 0 200 400 600 800 1000 0 1200 1400 1600 Time (minutes)

Peak Flow Hydrologic Analysis File location: O:/Projects/Irvine/20043/200-20043-17001/Docs/Reports/Hydrology and Hydraulics/Appendix C_HydroCalc Calculations/Pre Version: HydroCalc 1.0.2 **Input Parameters Project Name** Sixth Street PARC Subarea ID ES4 Area (ac) 1.61 Flow Path Length (ft) 400.0 Flow Path Slope (vft/hft) 0.008 50-yr Rainfall Depth (in) 5.9 Percent Impervious 0.71 Soil Type 6 **Design Storm Frequency** 25-yr Fire Factor 0 LID False **Output Results** Modeled (25-yr) Rainfall Depth (in) 5.1802 Peak Intensity (in/hr) 2.6386 Undeveloped Runoff Coefficient (Cu) 0.7969 Developed Runoff Coefficient (Cd) 0.8701 Time of Concentration (min) Clear Peak Flow Rate (cfs) 7.0 3.6963 Burned Peak Flow Rate (cfs) 3.6963 24-Hr Clear Runoff Volume (ac-ft) 0.48 24-Hr Clear Runoff Volume (cu-ft) 20907.8905 Hydrograph (Sixth Street PARC: ES4) 4.0 3.5 3.0 2.5 Flow (cfs) 2.0 1.5 1.0 0.5 0.0 200 400 600 800 1000 0 1200 1400 1600 Time (minutes)



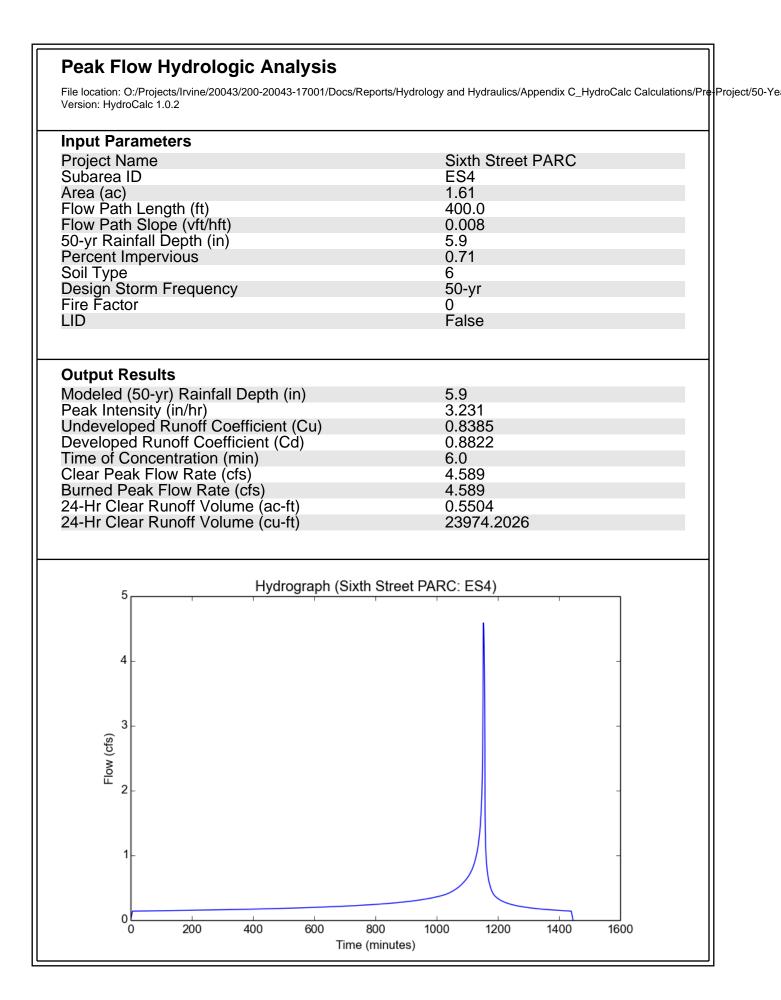


Peak Flow Hydrologic Analysis File location: O:/Projects/Irvine/20043/200-20043-17001/Docs/Reports/Hydrology and Hydraulics/Appendix C_HydroCalc Calculations/Pre Version: HydroCalc 1.0.2 **Input Parameters Project Name** Sixth Street PARC Subarea ID E3 Area (ac) 7.32 Flow Path Length (ft) 800.0 Flow Path Slope (vft/hft) 0.01 50-yr Rainfall Depth (in) 5.9 Percent Impervious 0.03 Soil Type 6 **Design Storm Frequency** 50-yr Fire Factor 0 LID False **Output Results** Modeled (50-yr) Rainfall Depth (in) 5.9 Peak Intensity (in/hr) 2.5414 Undeveloped Runoff Coefficient (Cu) 0.7901 Developed Runoff Coefficient (Cd) 0.7934 Time of Concentration (min) 10.0 Clear Peak Flow Rate (cfs) 14.7591 Burned Peak Flow Rate (cfs) 14.7591 24-Hr Clear Runoff Volume (ac-ft) 0.8341 24-Hr Clear Runoff Volume (cu-ft) 36333.7902 Hydrograph (Sixth Street PARC: E3) 16 14 12 10 Flow (cfs) 8 6 4 2 0 1000 0 200 400 600 800 1200 1400 1600 Time (minutes)



Peak Flow Hydrologic Analysis File location: O:/Projects/Irvine/20043/200-20043-17001/Docs/Reports/Hydrology and Hydraulics/Appendix C_HydroCalc Calculations/Pre Version: HydroCalc 1.0.2 **Input Parameters Project Name** Sixth Street PARC Subarea ID ES2 Area (ac) 0.81 Flow Path Length (ft) 435.0 Flow Path Slope (vft/hft) 0.004 50-yr Rainfall Depth (in) 5.9 Percent Impervious 0.9 Soil Type 6 **Design Storm Frequency** 50-yr Fire Factor 0 LID False **Output Results** Modeled (50-yr) Rainfall Depth (in) 5.9 Peak Intensity (in/hr) 3.0052 Undeveloped Runoff Coefficient (Cu) 0.8226 Developed Runoff Coefficient (Cd) 0.8923 Time of Concentration (min) Clear Peak Flow Rate (cfs) 7.0 2.172 Burned Peak Flow Rate (cfs) 2.172 24-Hr Clear Runoff Volume (ac-ft) 0.3284 24-Hr Clear Runoff Volume (cu-ft) 14303.3275 Hydrograph (Sixth Street PARC: ES2) 2.5 2.0 1.5 Flow (cfs) 1.0 0.5 0.0 200 400 600 800 1000 0 1200 1400 1600 Time (minutes)

Peak Flow Hydrologic Analysis File location: O:/Projects/Irvine/20043/200-20043-17001/Docs/Reports/Hydrology and Hydraulics/Appendix C_HydroCalc Calculations/Pre Version: HydroCalc 1.0.2 **Input Parameters Project Name** Sixth Street PARC Subarea ID ES3 Area (ac) 2.93 Flow Path Length (ft) 735.0 Flow Path Slope (vft/hft) 0.0035 50-yr Rainfall Depth (in) 5.9 Percent Impervious 0.99 Soil Type 6 **Design Storm Frequency** 50-yr Fire Factor 0 LID False **Output Results** Modeled (50-yr) Rainfall Depth (in) 5.9 Peak Intensity (in/hr) 2.4301 Undeveloped Runoff Coefficient (Cu) 0.7795 Developed Runoff Coefficient (Cd) 0.8988 Time of Concentration (min) Clear Peak Flow Rate (cfs) 11.0 6.3995 Burned Peak Flow Rate (cfs) 6.3995 24-Hr Clear Runoff Volume (ac-ft) 1.276 24-Hr Clear Runoff Volume (cu-ft) 55582.295 Hydrograph (Sixth Street PARC: ES3) 7 6 5 4 Flow (cfs) 3 2 1 0 200 400 600 800 1000 0 1200 1400 1600 Time (minutes)



Input Parameters	6		
Project Name		Sixth Street PARC	
Subarea ID		P1	
Area (ac)		1.78	
Flow Path Length (ft)		100.0	
Flow Path Slope (vft/hft)	0.02	
50-yr Rainfall Dep	th (in)	5.9	
Flow Path Slope (50-yr Rainfall Dep Percent Imperviou	IS	0.42	
		6	
Design Storm Free	quency	2-yr	
Fire Factor		0	
LID		False	
Output Results Modeled (2-yr) Ra	infall Depth (in)	2.2833	
Peak Intensity (in/	hr)	1.3623	
Undeveloped Run	off Coefficient (Cu)	0.652	
Developed Runoff	Coefficient (Cd)	0.7562	
Time of Concentra	ation (min)	5.0	
Clear Peak Flow F	Rate (cfs)	1.8336	
Burned Peak Flow	(Rate (cfs)	1.8336	
24-Hr Clear Runo	t Volume (ac-ft)	0.1538	
24-Hr Clear Runo	t volume (cu-tt)	6698.9624	
2.0	Hydrograph (Sixth S	Street PARC: P1)	
1.0 -			_
- 0.1 Elow (cts)			-
0.5 -			-
0.0 0 2	00 400 600 800 Time (mir		1600

Input Parameters	
Project Name	Sixth Street PARC
Subarea ID	P2
Area (ac)	0.19
Flow Path Length (ft)	100.0
Flow Path Slope (vft/hft)	0.02
50-yr Rainfall Depth (in)	5.9
Percent Impervious	0.05
Soil Type	6
Design Storm Frequency	2-yr
Fire Factor	0
LID	False
Output Results	
Modeled (2-yr) Rainfall Depth (in)	2.2833
Peak Intensity (in/hr)	1.3623
Undeveloped Runoff Coefficient (Cu)	0.652
Developed Runoff Coefficient (Cd)	0.6644
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	0.172
Burned Peak Flow Rate (cfs)	0.172
24-Hr Clear Runoff Volume (ac-ft)	0.0063
24-Hr Clear Runoff Volume (cu-ft)	274.5395
0.18 Hydrograph (Sixth Stre	et PARC: P2)
0.16 -	-
0.14 -	-
0.12 -	-
<u></u> ගු 0.10 -	
(35) 0.10 - 0.08 -	-
0.06 -	-
0.04 -	
0.02 -	-
0.00	
0.00 200 400 600 800	1000 1200 1400 1600

Input Parameters	
Project Name	Sixth Street PARC
Subarea ID	P3
Area (ac)	0.2
Flow Path Length (ft)	100.0
Flow Path Slope (vft/hft)	0.02
50-yr Rainfall Depth (in)	5.9
Percent Impervious	0.65
Soil Type	6
Design Storm Frequency	2-yr
Fire Factor	$\frac{1}{0}$ y.
LID	False
Output Results	
Modeled (2-yr) Rainfall Depth (in)	2.2833
Peak Intensity (in/hr)	1.3623
Undeveloped Runoff Coefficient (Cu)) 0.652
Developed Runoff Coefficient (Cd)	0.8132
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	0.2216
Burned Peak Flow Rate (cfs)	0.2216
Duffieu i eak i low Male (013)	
24-Hr Clear Runoff Volume (ac-ft)	0.0239
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	0.0239
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) Hvdrogra	0.0239 1040.9405
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.25 0.20 0.15	0.0239 1040.9405
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.25 0.20 0.15	0.0239 1040.9405
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.25 0.20 0.15	0.0239 1040.9405
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.25 0.20 0.15	0.0239 1040.9405
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.25 0.20 0.15	0.0239 1040.9405
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.25 0.20 0.15	0.0239 1040.9405
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.25 0.20 0.15	0.0239 1040.9405
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.25 0.20 0.15 0.10	0.0239 1040.9405
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.25 0.20 0.15	0.0239 1040.9405
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.25 0.20 0.15 0.10	0.0239 1040.9405
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.25 0.20 0.15 0.10	0.0239 1040.9405
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.25 0.20 0.15 0.15 0.10 0.05	0.0239 1040.9405
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.25 0.20 0.15 0.10	0.0239 1040.9405

Input Parame	ters			
Project Name		Sixth	Street PARC	
Subarea ID		P4		
Area (ac)		0.27		
Flow Path Len	gth (ft)	100.0)	
Flow Path Slop	pe (vft/hft)	0.02		
50-yr Rainfall I	Depth (in)	5.9		
Percent Imper	vious	0.01		
Soil Type		6		
Design Storm	Frequency	2-yr		
Fire Factor		0		
LID		False	9	
Output Result	S			
Modeled (2-yr)	Rainfall Depth (in)	2.283	33	
Peak Intensity	(in/hr)	1.362	23	
Undeveloped I	(in/hr) Runoff Coefficient (Cu)	0.652	2	
Developed Ru	noff Coefficient (Cd)	0.654	45	
Time of Conce	ntration (min)	5.0		
Clear Peak Flo	ow Rate (cfs)	0.240		
Duma a d D	Flow Rate (cfs)	0.240)7	
Burned Peak I	24-Hr Clear Runoff Volume (ac-ft)			
24-Hr Clear Ru	unoff Volume (ac-ft)	0.007		
24-Hr Clear Ru	unoff Volume (ac-ft) unoff Volume (cu-ft)	0.007 322.4		
24-Hr Clear Ru	unoff Volume (ac-ft) unoff Volume (cu-ft)	322.4	1595	
24-Hr Clear Ru	unoff Volume (ac-ft) unoff Volume (cu-ft)		1595	
24-Hr Clear Ru 24-Hr Clear Ru	unoff Volume (ac-ft) unoff Volume (cu-ft)	322.4	1595	
24-Hr Clear Ru 24-Hr Clear Ru	unoff Volume (ac-ft) unoff Volume (cu-ft)	322.4	1595	
24-Hr Clear Ru 24-Hr Clear Ru	unoff Volume (ac-ft) unoff Volume (cu-ft)	322.4	1595	
24-Hr Clear Ru 24-Hr Clear Ru	unoff Volume (ac-ft) unoff Volume (cu-ft)	322.4	1595	
24-Hr Clear Ru 24-Hr Clear Ru	unoff Volume (ac-ft) unoff Volume (cu-ft)	322.4	1595	
24-Hr Clear Ru 24-Hr Clear Ru 0.25	unoff Volume (ac-ft) unoff Volume (cu-ft)	322.4	1595	
24-Hr Clear Ru 24-Hr Clear Ru 0.25 0.20 - 0.15 -	unoff Volume (ac-ft) unoff Volume (cu-ft)	322.4	1595	
24-Hr Clear Ru 24-Hr Clear Ru 0.25 0.20 - 0.15 -	unoff Volume (ac-ft) unoff Volume (cu-ft)	322.4	1595	
24-Hr Clear Ru 24-Hr Clear Ru 0.25 0.20 - 0.15 -	unoff Volume (ac-ft) unoff Volume (cu-ft)	322.4	1595	
24-Hr Clear Ru 24-Hr Clear Ru 0.25 0.20 - 0.15 -	unoff Volume (ac-ft) unoff Volume (cu-ft)	322.4	1595	
24-Hr Clear Ru 24-Hr Clear Ru 0.25	unoff Volume (ac-ft) unoff Volume (cu-ft)	322.4	1595	
24-Hr Clear Ru 24-Hr Clear Ru 0.25 0.20 - 0.15 -	unoff Volume (ac-ft) unoff Volume (cu-ft)	322.4	1595	
24-Hr Clear Ru 24-Hr Clear Ru 0.25 0.20 - 0.15 -	unoff Volume (ac-ft) unoff Volume (cu-ft)	322.4	1595	
24-Hr Clear Ru 24-Hr Clear Ru 0.25 0.20 0.15 0.15 0.10	unoff Volume (ac-ft) unoff Volume (cu-ft)	322.4	1595	
24-Hr Clear Ru 24-Hr Clear Ru 0.25 0.20 - 0.15 -	unoff Volume (ac-ft) unoff Volume (cu-ft)	322.4	1595	
24-Hr Clear Ru 24-Hr Clear Ru 0.25 0.20 0.15 0.15 0.10	unoff Volume (ac-ft) unoff Volume (cu-ft)	322.4	1595	
24-Hr Clear Ru 24-Hr Clear Ru 0.25 0.20 0.15 0.15 0.10	unoff Volume (ac-ft) unoff Volume (cu-ft)	322.4	1595	
24-Hr Clear Ru 24-Hr Clear Ru 0.25 0.20 - (sp) 0.15 - (sp) 0.10 - 0.05 -	unoff Volume (ac-ft) unoff Volume (cu-ft)	322.4	1595	
24-Hr Clear Ru 24-Hr Clear Ru 0.25 0.20 0.15 0.15 0.10	unoff Volume (ac-ft) unoff Volume (cu-ft)	322.4	1595	

Input Parameters	
Project Name	Sixth Street PARC
Subarea ID	P5
Area (ac)	0.19
Flow Path Length (ft)	100.0
Flow Path Slope (vft/hft)	0.02
50-yr Rainfall Depth (in)	5.9
Percent Impervious	0.05
Soil Type	6
Design Storm Frequency	2-yr
Fire Factor	0
LID	False
Output Results	
Modeled (2-yr) Rainfall Depth (in)	2.2833
Peak Intensity (in/hr)	1.3623
Peak Intensity (in/hr) Undeveloped Runoff Coefficient (Cu)	0.652
Developed Runoff Coefficient (Cd)	0.6644
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	0.172
Burned Peak Flow Rate (cfs)	0.172
24-Hr Clear Runoff Volume (ac-ft)	0.0063
24-Hr Clear Runoff Volume (cu-ft)	274.5395
0.18 Hydrograph (Sixth Street	PARC: P5)
0.16 -	
0.14	
0.12 -	
(jc) 0.10 (jc) 0.08	-
<u></u> 0.08	-
0.06 -	
0.04 -	
0.02 -	
0.00 200 400 600 800	1000 1200 1400 1600
0 200 400 600 800 Time (minutes)	1000 1200 1400 1600

Input Parameters	
Project Name	Sixth Street PARC
Subarea ID	P6
Area (ac)	0.51
Flow Path Length (ft)	100.0
Flow Path Slope (vft/hft)	0.02
50-yr Rainfall Depth (in)	5.9
Percent Impervious	0.25
Soil Type	6
Design Storm Frequency	2-yr
Fire Factor	0
LID	False
Output Results	
Modeled (2-yr) Rainfall Depth (in)	2.2833
Peak Intensity (in/hr)	1.3623
Undeveloped Runoff Coefficient (Cu)	0.652
Developed Runoff Coefficient (Cd)	0.714
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	0.4961
Burned Peak Flow Rate (cfs)	0.4961
24-Hr Clear Runoff Volume (ac-ft)	0.0316
24-Hr Clear Runoff Volume (cu-ft)	1376.0807
0.5 Hydrograph (Sixth Str	eet PARC: P6)
0.4 -	-
0.3	
	1
(ct	
Flow (cfs)	
^푼 0.2	
U.Z.	1
0.1	
0.0	
0.0	
0 200 400 600 800 Time (minut	1000 1200 1400 1600

Input Parameters	
Project Name	Sixth Street PARC
Subarea ID	P7
Area (ac)	0.15
Flow Path Length (ft)	100.0
Flow Path Slope (vft/hft)	0.02
50-yr Rainfall Depth (in)	5.9
Percent Impervious	0.06
Soil Type	6
Design Storm Frequency	2-yr
Fire Factor	0
LID	False
Output Results	
Modeled (2-yr) Rainfall Depth (in)	2.2833
Peak Intensity (in/hr)	1.3623
Peak Intensity (in/hr) Undeveloped Runoff Coefficient (Cu)	0.652
Developed Runoff Coefficient (Cd)	0.6669
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	0.1363
Burned Peak Flow Rate (cfs)	0.1363
24-Hr Clear Runoff Volume (ac-ft)	0.0052
24-Hr Clear Runoff Volume (cu-ft)	226.1411
Linder much (Ointhe Otrop	
0.14 Hydrograph (Sixth Stree	
0.12	
0.40	
0.10	
<u>0.08</u>	
(s) 30.08	
S A	
(32) (32) (32) (33) (34) (35)	
- 0.00	
0.04 -	
0.02 -	
0.00	4000 4000 4400 4000
0 200 400 600 800 Time (minutes)	1000 1200 1400 1600
LIME (MINUTES)	

Input Parameters	
Project Name	Sixth Street PARC
Subarea ID	P8
Area (ac)	0.45
Flow Path Length (ft)	100.0
Flow Path Slope (vft/hft)	0.02
50-yr Rainfall Depth (in)	5.9
Percent Impervious	0.76
Soil Type	6
Design Storm Frequency	2-yr
Fire Factor	0
LID	False
Output Results	
Modeled (2-yr) Rainfall Depth (in)	2.2833
Peak Intensity (in/hr)	1.3623
Undeveloped Runoff Coefficient (Cu)	0.652
Developed Runoff Coefficient (Cd)	0.8405
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	0.5152
Purned Deals Flow Pote (ofe)	0.5152
DUITIEU PEAK FIUW RALE (CIS)	
Burned Peak Flow Rate (cfs) 24-Hr Clear Runoff Volume (ac-ft)	0.0609
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	0.0609 2652.2961
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	2652.2961
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.6 Hydrograph (Sixth	2652.2961
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) Hydrograph (Sixth	2652.2961
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.6 Hydrograph (Sixth	2652.2961
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.6 0.6 0.5	2652.2961
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.6 Hydrograph (Sixth	2652.2961
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.6 0.5 0.5 0.4	2652.2961
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.6 0.5 0.5 0.4	2652.2961
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.6 0.5 0.5 0.4	2652.2961
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.6 0.6 0.5 0.4	2652.2961
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.6 0.5 0.5 0.4 0.4 0.4	2652.2961
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.6 0.5 0.5 0.4	2652.2961
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.6 0.5 0.5 0.4 0.4 0.4	2652.2961
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.6 0.5 0.5 0.4 0.4 0.4	2652.2961
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.6 0.5 0.5 0.4 0.4 0.4 0.4 0.2	2652.2961
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.6 0.5 0.5 0.4 0.4 0.4	2652.2961
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.6 0.5 0.5 0.4 0.4 0.4 0.2	2652.2961
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.6 0.5 0.4 0.4 0.5 0.4 0.4 0.2 0.1	2652.2961
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.6 0.5 0.4 0.4 0.4 0.4 0.2 0.1 0.1	2652.2961

Input Parameters		
Project Name	Sixth Street PARC	
Subarea ID	P9	
Area (ac)	1.44	
Flow Path Length (ft)	100.0	
Flow Path Slope (vft/hft)	0.02	
50-yr Rainfall Depth (in)	5.9	
Percent Impervious	0.43	
Soil Type	6	
Design Storm Frequency	2-yr	
Fire Factor	0	
LID	False	
Output Results		
Modeled (2-yr) Rainfall Depth (in)	2.2833	
Peak Intensity (in/hr)	1.3623	
Peak Intensity (in/hr) Undeveloped Runoff Coefficient (Cu)	0.652	
Developed Runoff Coefficient (Cd)	0.7586	
Time of Concentration (min)	5.0	
Clear Peak Flow Rate (cfs)	1.4882	
Burned Peak Flow Rate (cfs)	1.4882	
24-Hr Clear Runoff Volume (ac-ft)	0.1265	
24-Hr Clear Runoff Volume (cu-ft)	5509.6195	
1.6 Hydrograph (Sixth Str	eet PARC: P9)	
1.4 -		
1.4 -		
1.2 -		
1.0 -		
1.0 -	-	
	-	
cts)	-	
- 8.0 (cl2) EI		
- 8.0 (cl2) EI		
(<u>s</u>) <u>8.8</u> <u>10.8</u> 0.6		
(s) ≥ 0.8 0.6 0.4 -		
(S) NO NO NO NO NO NO NO NO NO NO		
(s) NO NO NO NO NO NO NO NO NO NO		
(s) ∞ 0.8 0.6 0.6 0.4 -		

Input Parameters	
Project Name	Sixth Street PARC
Subarea ID	P10
Area (ac)	0.68
Flow Path Length (ft)	100.0
Flow Path Slope (vft/hft)	0.02
50-yr Rainfall Depth (in)	5.9
Percent Impervious	0.15
Soil Type	6
Design Storm Frequency	2-yr
Fire Factor	0
LID	False
Output Results	
Modeled (2-vr) Rainfall Depth (in)	2.2833
Peak Intensity (in/hr)	1.3623
Undeveloped Runoff Coefficient (Cu)	0.652
Developed Runoff Coefficient (Cd)	0.6892
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	0.6385
Burned Peak Flow Rate (cfs) 24-Hr Clear Runoff Volume (ac-ft)	0.6385
24-Hr Clear Runoff Volume (ac-ft)	0.0323
24-Hr Clear Runoff Volume (cu-ft)	1408.6684
0.7 Hydrograph (Sixth Stre	eet PARC: P10)
0.6 -	-
0.6 -	-
	-
0.6 - 0.5 -	
0.5 -	-
0.5 -	
0.5 -	
0.5 - (st) 0.4 -	
0.5 -	
0.5 - (sc) 0.4 -	
0.5 - (sc) 0.4 -	
0.5 (sc) 0.4 (sc) 0.4 0.3 0.3	
0.5 () () () () () () () () () ()	
0.5 (g) 0.4 MOL 0.3	
0.5 (s) 0.4 0.3 0.2 0.2	
0.5 (s) 0.4 0.3 0.2 0.1	
0.5 () () () () () () () () () ()	

Input Parameters	
Project Name	Sixth Street PARC
Subarea ID	P11
Area (ac)	0.34
Flow Path Length (ft)	100.0
Flow Path Slope (vft/hft)	0.02
50-yr Rainfall Depth (in)	5.9
Percent Impervious	0.3
	6
Design Storm Frequency Fire Factor	2-yr
LID	0 False
Output Results	
Modeled (2-yr) Rainfall Depth (in)	2.2833
Peak Intensity (in/hr) Undeveloped Runoff Coefficient (Cu)	1.3623
Undeveloped Runoff Coefficient (Cu)	0.652
Developed Runoff Coefficient (Cd)	0.7264
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	0.3365
Burned Peak Flow Rate (cfs)	0.3365
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	0.0235 1023.9136
	1023.9130
0.35 Hydrograph (Sixth St	reet PARC: P11)
0.35 Hydrograph (Sixth St	reet PARC: P11)
0.35	reet PARC: P11)
0.35 Hydrograph (Sixth St	reet PARC: P11)
0.35	reet PARC: P11)
0.30	reet PARC: P11)
0.35	reet PARC: P11)
0.30	reet PARC: P11)
0.30 - 0.25 - 0.20	reet PARC: P11)
0.30 - 0.25 - 0.20	reet PARC: P11)
0.30 - 0.25 - 0.20	reet PARC: P11)
0.30 - 0.25 -	reet PARC: P11)
0.30 0.30 0.25 0.20 0.20 0.20	reet PARC: P11)
0.30 0.30 0.25 0.25 0.20 <u>G</u> 0.20 0.15 -	reet PARC: P11)
0.30 0.30 0.25 0.20 0.20 0.20	reet PARC: P11)
0.30 0.30 0.25 0.20 0.20 0.20 0.15 0.15	reet PARC: P11)
0.30 0.30 0.25 0.25 0.20 0.20 0.15 0.10 -	reet PARC: P11)
0.30 0.30 0.25 0.20 0.20 0.20 0.15 0.15	reet PARC: P11)
0.30 0.30 0.25 0.20 (35) 0.20 (35) 0.20 0.15 0.10 -	reet PARC: P11)
$\begin{array}{c} 0.33 \\ 0.30 \\ 0.25 \\ 0.25 \\ \hline \\ \hline \\ \hline \\ \\ \hline \\ \\ \hline \\ \\ \hline \\ \\ \\ \\ $	
0.30 0.30 0.25 0.25 0.20 0.20 0.15 0.10 -	

Input Parameters	
Project Name	Sixth Street PARC
Subarea ID	P12
Area (ac)	0.47
Flow Path Length (ft)	100.0
Flow Path Slope (vft/hft)	0.02
50-yr Rainfall Depth (in)	5.9
Percent Impervious	0.01
Soil Type	6
Design Storm Frequency	2-yr
Fire Factor	0
LID	False
Output Results	
Modeled (2-yr) Rainfall Depth (in)	2.2833
Peak Intensity (in/hr)	1.3623
Undeveloped Runoff Coefficient (Cu)	0.652
Developed Runoff Coefficient (Cd)	0.6545
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	0.4191
Burned Peak Flow Rate (cfs)	0.4191
24-Hr Clear Runoff Volume (ac-ft)	0.0129
24-Hr Clear Runoff Volume (cu-ft)	561.3184
Hydrograph (Sixth Street	PARC: P12)
0.45	
0.40 -	-
0.35 -	-
0.30 -	
<u>ශ</u> 0.25 -	
(sp 0.25 -	-
0.15 -	
0.10	
0.05 -	-
0.00 0 200 400 600 800	1000 1200 1400 1600
0 200 400 800 800 Time (minutes)	

Input Parameters	
Project Name	Sixth Street PARC
Subarea ID	P13
Area (ac)	0.02
Flow Path Length (ft) Flow Path Slope (vft/hft)	100.0 0.02
50-yr Rainfall Depth (in)	5.9
Percent Impervious	0.01
Soil Type	6
Design Storm Frequency	2-yr
Fire Factor	0
LID	False
Output Results	
Modeled (2-yr) Rainfall Depth (in)	2.2833
Peak Intensity (in/hr)	1.3623
Undeveloped Runoff Coefficient (Cu)	0.652
Developed Runoff Coefficient (Cd)	0.6545
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	0.0178
Burned Peak Flow Rate (cfs) 24-Hr Clear Runoff Volume (ac-ft)	0.0178 0.0005
24-Hr Clear Runoff Volume (ac-it)	23.8859
	20.0000
Hydrograph (Sixth Street PA	ARC: P13)
0.018	
0.016 -	-
0.014 -	-
0.012 -	-
ුණු 0.010 -	-
(g) 0.010 - S 0.008 -	-
0.006 -	-
0.004 -	
0.002 -	
0.000 0 200 400 600 800 10	000 1200 1400 1600
Time (minutes)	

Input Parame			
Project Name		Sixth Street Viad	uct
Subarea ID		V1	
Area (ac)		0.84	
Flow Path Ler	ngth (ft)	225.0	
Flow Path Slo	pe (vft/hft)	0.05	
50-yr Rainfall	Depth (in)	5.9	
Percent Imper	vious	1.0	
Soil Type		6	
Design Storm	Frequency	2-yr	
Fire Factor		0	
LID		False	
Output Resu	lts		
•) Rainfall Depth (in)	2.2833	
Peak Intensity	(in/hr)	1.2504	
Undeveloped	(in/hr) Runoff Coefficient (Cu)	0.6314	
Developed Ri	Inoff Coefficient (Cd)	0.9	
Time of Conce	entration (min)	6.0	
Clear Peak Fl	ow Rate (cfs)	0.9453	
		0.9453	
Burned Peak	Flow Rate (cfs)		
Burned Peak	Flow Rate (cfs) unoff Volume (ac-ft)		
Burned Peak 24-Hr Clear R	Flow Rate (cfs) unoff Volume (ac-ft) unoff Volume (cu-ft)	0.1427 6214.2321	
Burned Peak 24-Hr Clear R 24-Hr Clear R	unoff Volume (ac-ft) unoff Volume (cu-ft)	0.1427 6214.2321	
Burned Peak 24-Hr Clear R	unoff Volume (ac-ft)	0.1427 6214.2321	
Burned Peak 24-Hr Clear R 24-Hr Clear R	unoff Volume (ac-ft) unoff Volume (cu-ft)	0.1427 6214.2321	
Burned Peak 24-Hr Clear R 24-Hr Clear R	unoff Volume (ac-ft) unoff Volume (cu-ft)	0.1427 6214.2321	
Burned Peak 24-Hr Clear R 24-Hr Clear R	unoff Volume (ac-ft) unoff Volume (cu-ft)	0.1427 6214.2321	
Burned Peak 24-Hr Clear R 24-Hr Clear R 1.0 0.8 0.8	unoff Volume (ac-ft) unoff Volume (cu-ft)	0.1427 6214.2321	
Burned Peak 24-Hr Clear R 24-Hr Clear R 1.0 0.8 0.8	unoff Volume (ac-ft) unoff Volume (cu-ft)	0.1427 6214.2321	
Burned Peak 24-Hr Clear R 24-Hr Clear R 1.0 0.8 0.8	unoff Volume (ac-ft) unoff Volume (cu-ft)	0.1427 6214.2321	
Burned Peak 24-Hr Clear R 24-Hr Clear R 1.0 0.8 0.8	unoff Volume (ac-ft) unoff Volume (cu-ft)	0.1427 6214.2321	
Burned Peak 24-Hr Clear R 24-Hr Clear R 1.0 0.8 0.8	unoff Volume (ac-ft) unoff Volume (cu-ft)	0.1427 6214.2321	
Burned Peak 24-Hr Clear R 24-Hr Clear R 1.0 0.8 0.8	unoff Volume (ac-ft) unoff Volume (cu-ft)	0.1427 6214.2321	
Burned Peak 24-Hr Clear R 24-Hr Clear R 1.0 0.8 0.8	unoff Volume (ac-ft) unoff Volume (cu-ft)	0.1427 6214.2321	
Burned Peak 24-Hr Clear R 24-Hr Clear R 1.0 0.8 0.6 (st) 0.6 0.6	unoff Volume (ac-ft) unoff Volume (cu-ft)	0.1427 6214.2321	
Burned Peak 24-Hr Clear R 24-Hr Clear R 1.0 0.8 0.8	unoff Volume (ac-ft) unoff Volume (cu-ft)	0.1427 6214.2321	
Burned Peak 24-Hr Clear R 24-Hr Clear R 1.0 0.8 0.6 (st) 0.6 0.6	unoff Volume (ac-ft) unoff Volume (cu-ft)	0.1427 6214.2321	
Burned Peak 24-Hr Clear R 24-Hr Clear R 1.0 0.8 0.6 (st) 0.6 0.6	unoff Volume (ac-ft) unoff Volume (cu-ft)	0.1427 6214.2321	
Burned Peak 24-Hr Clear R 24-Hr Clear R 0.8 0.8 0.6 (st) 0.6 0.4 0.4	unoff Volume (ac-ft) unoff Volume (cu-ft) Hydrograph (Sixth S	0.1427 6214.2321	
Burned Peak 24-Hr Clear R 24-Hr Clear R 1.0 0.8 0.6 (st) 0.6 0.6 0.4	unoff Volume (ac-ft) unoff Volume (cu-ft)	0.1427 6214.2321	0 1600

Input Parameters		
Project Name	Sixth Street Viaduct	
Subarea ID	V2	
Area (ac)	0.74	
Flow Path Length (ft)	250.0	
Flow Path Slope (vft/hft)	0.03	
50-yr Rainfall Depth (in)	5.9	
Percent Impervious	1.0	
Soil Type	6	
Design Storm Frequency	2-yr	
Fire Factor	0	
LID	False	
Output Results		
Modeled (2-yr) Rainfall Depth (in)	2.2833	
Peak Intensity (in/hr) Undeveloped Runoff Coefficient (Cu)	1.163	
Undeveloped Runoff Coefficient (Cu)	0.6153	
Developed Runoff Coefficient (Cd)	0.9	
Time of Concentration (min)	7.0	
Clear Peak Flow Rate (cfs)	0.7746	
	0.7746	
Burned Peak Flow Rate (cts)		
Burned Peak Flow Rate (cfs) 24-Hr Clear Runoff Volume (ac-ft)	0.1257	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	0.1257 5474.4434	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	5474.4434	
24-Hr Clear Runoff Volume (ac-ft)	5474.4434	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) Hydrograph (Sixth Si	5474.4434	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) Hydrograph (Sixth Si	5474.4434	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.8 Hydrograph (Sixth St	5474.4434	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.8 0.7	5474.4434	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.8 Hydrograph (Sixth St	5474.4434	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.8 0.7	5474.4434	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.8 0.7 0.6	5474.4434	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.8 0.7 0.6 0.6 0.5	5474.4434	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.8 0.7 0.6 0.6 0.5	5474.4434	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.8 0.7 0.6 0.6 0.5	5474.4434	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.8 0.7 0.6 0.6 0.5	5474.4434	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.8 0.7 0.6 0.6 0.5 0.4	5474.4434	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.8 0.7 0.6 0.6 0.5	5474.4434	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.8 0.7 0.6 0.6 0.5 0.4	5474.4434	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.8 0.7 0.6 0.6 0.5 0.4	5474.4434	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.8 0.7 0.6 0.6 0.5 0.4 0.3	5474.4434	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.8 0.7 0.6 0.6 0.5 0.6 0.5 0.4 0.3 0.2	5474.4434	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.8 0.7 0.6 0.6 0.6 0.5 0.4 0.3	5474.4434	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.8 0.7 0.6 0.6 0.5 0.4 0.3 0.2	5474.4434	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.8 0.7 0.6 0.5 0.6 0.5 0.4 0.3 0.2 0.1	5474.4434	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.8 0.7 0.6 0.5 0.6 0.5 0.6 0.5 0.4 0.3 0.2	5474.4434	

Input Parameters	
Project Name	Sixth Street Viaduct
Subarea ID	V3
Area (ac)	0.58
Flow Path Length (ft)	200.0
Flow Path Slope (vft/hft)	0.01
50-yr Rainfall Depth (in)	5.9
Percent Impervious	1.0
Soil Type	6
Design Storm Frequency	2-yr
Fire Factor	0
LID	False
Output Results	
Modeled (2-yr) Rainfall Depth (in)	2.2833
Peak Intensity (in/hr)	1.163
Undeveloped Runoff Coefficient (Cu)	0.6153
Developed Runoff Coefficient (Cd)	0.9
Time of Concentration (min)	7.0
Clear Peak Flow Rate (cfs)	0.6071
Burned Peak Flow Rate (cfs)	0.6071
24-Hr Clear Runoff Volume (ac-ft)	0.0985
24-Hr Clear Runoff Volume (cu-ft)	4290.78
	4290.70
	4290.76
	h Street Viaduct: V3)
0.7 Hydrograph (Sixth	
Hydrograph (Sixth	
0.7 Hydrograph (Sixth	
0.7 Hydrograph (Sixth	
0.7 Hydrograph (Sixth	
0.7 Hydrograph (Sixth	
0.7 0.6 0.5	
0.7 Hydrograph (Sixth 0.6 - 0.5 -	
0.7 0.6 0.5	
0.7 0.6 0.5 0.5 0.4	
0.7 Hydrograph (Sixth 0.6 - 0.5 -	
0.7 0.6 0.5 0.5 0.4	
0.7 0.6 0.5 (§) 0.4 0.3	
0.7 0.6 0.5 0.5 0.4	
0.7 0.6 0.5 (§) 0.4 0.3	
0.7 0.6 0.5 0.5 0.4 0.3 0.2 0.2	
0.7 0.6 0.5 (§) 0.4 0.3	
0.7 0.6 0.5 0.5 0.4 0.3 0.2 0.2	
$\begin{array}{c} 0.7 \\ 0.6 \\ 0.5 \\ \hline (g) \\ W \\ W$	h Street Viaduct: V3)
$\begin{array}{c} 0.7 \\ 0.6 \\ 0.5 \\ 0.6 \\ 0.5 \\ 0.4 \\ 0.3 \\ 0.2 \\ 0.1 \\ 0.0 \\ 0 \\ 200 \\ 400 \\ 600 \\ \end{array}$	

Input Paran			
Project Nam	e	Sixth Street Viad	luct
Subarea ID		V4	
Area (ac)		0.72	
Flow Path Le	ength (ft)	250.0	
Flow Path S	lope (vft/hft)	0.01	
50-yr Rainfa	ll Depth (in)	5.9	
Percent Imp	ervious	1.0	
Soil Type		6	
Design Storr	n Frequency	2-yr	
Fire Factor		0	
LID		False	
Output Res	ults		
•	yr) Rainfall Depth (in)	2.2833	
Peak Intensi	ty (in/hr)	1.0334	
Undevelope	tý (in/hr) d Runoff Coefficient (Cu)	0.5914	
Developed F	Runoff Coefficient (Cd)	0.9	
Time of Con	centration (min)	9.0	
Clear Peak	Flow Rate (cfs)	0.6697	
J.J.J. I Ouit I	K Flow Rate (cfs)	0.6697	
Burned Peal			
Burned Peal 24-Hr Clear	Runoff Volume (ac-ft)	0.1223	
24-Hr Clear	Runoff Volume (ac-ft) Runoff Volume (cu-ft)	0.1223 5326.4877	
24-Hr Clear	Runoff Volume (ac-ft)		
24-Hr Clear	Runoff Volume (ac-ft)	5326.4877	
24-Hr Clear 24-Hr Clear	Runoff Volume (ac-ft) Runoff Volume (cu-ft)	5326.4877	
24-Hr Clear 24-Hr Clear	Runoff Volume (ac-ft) Runoff Volume (cu-ft)	5326.4877	
24-Hr Clear 24-Hr Clear	Runoff Volume (ac-ft) Runoff Volume (cu-ft)	5326.4877	
24-Hr Clear 24-Hr Clear	Runoff Volume (ac-ft) Runoff Volume (cu-ft)	5326.4877	
24-Hr Clear 24-Hr Clear	Runoff Volume (ac-ft) Runoff Volume (cu-ft)	5326.4877	
24-Hr Clear 24-Hr Clear	Runoff Volume (ac-ft) Runoff Volume (cu-ft)	5326.4877	
24-Hr Clear 24-Hr Clear 0.7 0.6 - 0.5 -	Runoff Volume (ac-ft) Runoff Volume (cu-ft)	5326.4877	
24-Hr Clear 24-Hr Clear 0.7 0.6 - 0.5	Runoff Volume (ac-ft) Runoff Volume (cu-ft)	5326.4877	
24-Hr Clear 24-Hr Clear 0.7 0.6 - 0.5	Runoff Volume (ac-ft) Runoff Volume (cu-ft)	5326.4877	
24-Hr Clear 24-Hr Clear 0.7 0.6 - 0.5 - 0.5 - 0.5	Runoff Volume (ac-ft) Runoff Volume (cu-ft)	5326.4877	
24-Hr Clear 24-Hr Clear 0.7 0.6 - 0.5	Runoff Volume (ac-ft) Runoff Volume (cu-ft)	5326.4877	
24-Hr Clear 24-Hr Clear 0.7 0.6 - 0.5 - 0.5 - 0.5	Runoff Volume (ac-ft) Runoff Volume (cu-ft)	5326.4877	
24-Hr Clear 24-Hr Clear 0.7 0.6 - 0.5 - (§5) 0.4 - (§5) 0.4 -	Runoff Volume (ac-ft) Runoff Volume (cu-ft)	5326.4877	
24-Hr Clear 24-Hr Clear 0.7 0.6 - 0.5 - 0.5 - 0.5	Runoff Volume (ac-ft) Runoff Volume (cu-ft)	5326.4877	
24-Hr Clear 24-Hr Clear 0.7 0.6 - 0.5 - (§) 0.4 - (§) 0.4 -	Runoff Volume (ac-ft) Runoff Volume (cu-ft)	5326.4877	
24-Hr Clear 24-Hr Clear 0.7 0.6 - 0.5 - (§) 0.4 - (§) 0.4 - (§) 0.3 - 0.2 -	Runoff Volume (ac-ft) Runoff Volume (cu-ft)	5326.4877	
24-Hr Clear 24-Hr Clear 0.7 0.6 - 0.5 - (§) 0.4 - (§) 0.4 -	Runoff Volume (ac-ft) Runoff Volume (cu-ft)	5326.4877	
24-Hr Clear 24-Hr Clear 0.7 0.6 - 0.5 - (§) 0.4 - (§) 0.4 - (§) 0.3 - 0.2 -	Runoff Volume (ac-ft) Runoff Volume (cu-ft)	5326.4877	
24-Hr Clear 24-Hr Clear 0.7 0.6 - 0.5 - (§) 0.4 - (§) 0.4 - (§) 0.4 - (0.5) - (0.5) -	Runoff Volume (ac-ft) Runoff Volume (cu-ft) Hydrograph (Sixth S	5326.4877	
24-Hr Clear 24-Hr Clear 0.7 0.6 - 0.5 - (§) 0.4 - (§) 0.4 - (§) 0.3 - 0.2 -	Runoff Volume (ac-ft) Runoff Volume (cu-ft)	5326.4877	

Input Parameters		
Project Name	Sixth Street Viaduct	
Subarea ID	V5	
Area (ac)	0.65	
Flow Path Length (ft)	210.0	
Flow Path Slope (vft/hft)	0.01	
50-yr Rainfall Depth (in)	5.9	
Percent Impervious	1.0	
	6	
Design Storm Frequency Fire Factor	2-yr 0	
LID	False	
	1 0.56	
Output Results		
Modeled (2-yr) Rainfall Depth (in)	2.2833	
Peak Intensity (in/hr) Undeveloped Runoff Coefficient (Cu)	1.0923	
Undeveloped Runoff Coefficient (Cu)	0.6022	
Developed Runoff Coefficient (Cd)	0.9	
Time of Concentration (min)	8.0	
Clear Peak Flow Rate (cfs)	0.639	
Burned Peak Flow Rate (cfs)	0.639	
24-Hr Clear Runoff Volume (ac-ft)	0.1104	
24-Hr Clear Runoff Volume (cu-ft)	4808.6337	
Hydrograph (Sixth Stre	ot Viaduct: V/5)	
0.7		
0.6		
0.6 0.5		
0.6 - 0.5 - 0.4		
0.6 - 0.5 - 0.4		
0.7 0.6 0.5 0.5 0.5 0.4 0.4 0.4		
0.6 0.5		
0.7 0.6 0.5 0.5 0.5 0.4 $\frac{(s)}{5}$		
0.7 0.6 0.5 0.5 0.5 0.4 0.3 0.3		
0.7 0.6 0.5 0.5 0.5 0.4 $\frac{(s)}{5}$		
0.7 0.6 0.5 0.5 0.4 $\frac{3}{20}$ 0.3 0.2 0.2		
0.7 0.6 0.5 - (35) 0.4 - (35) 0.4 - (35) 0.3 -		
0.7		
0.7 0.6 0.5 0.5 0.4 0.3 0.2 0.1 0.1		
0.7 0.6 0.5 0.5 0.4 $\frac{30}{12}$ 0.3 0.2 0.2	1000 1200 1400 1600	

Input Parameters	
Project Name	Sixth Street Viaduct
Subarea ID	V6
Area (ac)	0.69
Flow Path Length (ft)	210.0
Flow Path Slope (vft/hft)	0.01
50-yr Rainfall Depth (in)	5.9
Percent Impervious	1.0
Soil Type	6 2 vr
Design Storm Frequency Fire Factor	2-yr 0
LID	False
Output Results	
Modeled (2-yr) Rainfall Depth (in)	2.2833
Peak Intensity (in/hr)	1.0923
Peak Intensity (in/hr) Undeveloped Runoff Coefficient (Cu)	0.6022
Developed Runoff Coefficient (Cd)	0.9
Time of Concentration (min)	8.0
Clear Peak Flow Rate (cfs)	0.6783
Burned Peak Flow Rate (cfs)	0.6783
24-Hr Clear Runoff Volume (ac-ft)	0.1172
24-Hr Clear Runoff Volume (cu-ft)	5104.5496
0.7 Hydrograph (Sixth Street V	/iaduct: V6)
0.6	1
0.5	
0.0	
<u>∞</u> 0.4	
(Ct	
(s) 0.4 (s) (s) (s) (s) (s) (s) (s) (s) (s) (s)	
芷 0.3 -	
0.2	
U.2	// 1
	/ \
0.1	
0.0 200 400 600 800	
0 200 400 600 800 Time (minutes)	1000 1200 1400 1600

Input Parameters		
Project Name	Sixth Street Viaduct	
Subarea ID	V7	
Area (ac)	0.69	
Flow Path Length (ft)	210.0	
Flow Path Slope (vft/hft)	0.01	
50-yr Rainfall Depth (in)	5.9	
Percent Impervious	1.0	
Soil Type	6	
Design Storm Frequency	2-yr	
Fire Factor	0	
LID	False	
Output Results		
Modeled (2-vr) Rainfall Depth (in)	2.2833	
Peak Intensity (in/hr)	1.0923	
Undeveloped Runoff Coefficient (Cu)	0.6022	
Developed Runoff Coefficient (Cd)	0.9	
Time of Concentration (min)	8.0	
Clear Peak Flow Rate (cfs)	0.6783	
Burned Peak Flow Rate (cfs)	0.6783	
24-Hr Clear Runoff Volume (ac-ft)	0.1172	
24-Hr Clear Runoff Volume (cu-ft)	5104.5496	
Hydrograph (Sixth Stre	et Viaduct: V7)	
0.6	1	
0.5 –		
0.0		
0.4		
(cts		
ow (cfs		
(sj) 0.4 - ≫ NOI 0.3 -	-	
ow (cfs	-	
5) MO H 0.3 -	_	
ow (cfs		
5) MO H 0.3 -		
0.2 -		
5) MO H 0.3 -		
0.2 -		
0.2 - 0.1 -		
0.2 -		

Input Parameters	
Project Name	Sixth Street Viaduct
Subarea ID	V8
Area (ac)	0.69
Flow Path Length (ft)	210.0
Flow Path Slope (vft/hft)	0.01
50-yr Rainfall Depth (in)	5.9
Percent Impervious	1.0
Soil Type	6
Design Storm Frequency	2-yr
Fire Factor	0
LID	False
Output Results	
Modeled (2-yr) Rainfall Depth (in)	2.2833
Peak Intensity (in/hr)	1.0923
Peak Intensity (in/hr) Undeveloped Runoff Coefficient (Cu)	0.6022
Developed Runoff Coefficient (Cd)	0.9
Time of Concentration (min)	8.0
Clear Peak Flow Rate (cfs)	0.6783
Burned Peak Flow Rate (cfs)	0.6783
24-Hr Clear Runoff Volume (ac-ft)	0.1172
24-Hr Clear Runoff Volume (cu-ft)	5104.5496
0.7 Hydrograph (Sixth Stree	t Viaduct: V8)
0.6 -	-
0.5 -	-
<u>(a)</u> 0.4	-
0	
(st) Mo H 0.3	
0.2	
0.1	
0.0 0 200 400 600 800	
0.00 200 400 600 800 Time (minutes	1000 1200 1400 1600
Time (minutes)

Input Parameters	
Project Name	Sixth Street Viaduct
Subarea ID	V9
Area (ac)	0.69
Flow Path Length (ft)	210.0
Flow Path Slope (vft/hft)	0.01
50-yr Rainfall Depth (in)	5.9
Percent Impervious	1.0
Soil Type	6
Design Storm Frequency Fire Factor	2-yr 0
LID	False
	1 0.50
Output Results	
Modeled (2-yr) Rainfall Depth (in)	2.2833
Peak Intensity (in/hr)	1.0923
Peak Intensity (in/hr) Undeveloped Runoff Coefficient (Cu)	0.6022
Developed Runoff Coefficient (Cd)	0.9
Time of Concentration (min)	8.0
Clear Peak Flow Rate (cfs)	0.6783
Burned Peak Flow Rate (cfs)	0.6783
24-Hr Clear Runoff Volume (ac-ft)	0.1172
24-Hr Clear Runoff Volume (cu-ft)	5104.5496
Hydrograph (Sixth Stre	eet Viaduct: V9)
0.6 -	_
0.5	
0 .0.4	
S A	
(st) so J J J J J J J J J J J J J J J J J J	
0.2	
0.2 -	
0.2 - 0.1 -	
0.1 -	
	1000 1200 1400 1600

Input Parameters	
Project Name	Sixth Street Viaduct
Subarea ID	V10
Area (ac)	0.64
Flow Path Length (ft)	200.0
Flow Path Slope (vft/hft)	0.01
50-yr Rainfall Depth (in)	5.9
Percent Impervious	1.0 6
Soil Type Design Storm Frequency	o 2-yr
Fire Factor	0
LID	False
Output Results	
Modeled (2-yr) Rainfall Depth (in)	2.2833
Peak Intensity (in/hr) Undeveloped Runoff Coefficient (Cu)	1.163
Undeveloped Runoff Coefficient (Cu)	0.6153
Developed Runoff Coefficient (Cd)	0.9
Time of Concentration (min)	7.0
Clear Peak Flow Rate (cfs)	0.6699
Burned Peak Flow Rate (cfs) 24-Hr Clear Runoff Volume (ac-ft)	0.6699 0.1087
24-Hr Clear Runoff Volume (ac-ft)	4734.6538
	4754.0550
Hydrograph (Sixth Street V	(iaduct: V10)
0.7	
0.6	
0.8	
0.5 -	
<u>ω</u> 0.4	-
्द	
(sj) mol 0.3	
<u>ш</u> 0.3 -	
0.2	
0.2	
0.1	
0.0 0 200 400 600 800	1000 1200 1400 1600
Time (minutes)	

Input Parameters	
Project Name	Sixth Street PARC Streets
Subarea ID	S1
Area (ac)	0.77
Flow Path Length (ft)	275.0
Flow Path Slope (vft/hft)	0.01
50-yr Rainfall Depth (in)	5.9
Percent Impervious	1.0
Soil Type	6
Design Storm Frequency	2-yr
Fire Factor	0
LID	False
Output Results	0.0000
Modeled (2-yr) Rainfall Depth (in)	2.2833
Peak Intensity (in/hr)	1.0334
Undeveloped Runoff Coefficient (Cu)	0.5914
Developed Runoff Coefficient (Cd)	0.9
Time of Concentration (min)	9.0
Clear Peak Flow Rate (cfs)	0.7162
Burned Peak Flow Rate (cfs)	0.7162
24-Hr Clear Runoff Volume (ac-ft)	0.1308
24-Hr Clear Runoff Volume (cu-ft)	5696.3826
0.8 Hydrograph (Sixth Street F	PARC Streets: S1)
0.7 -	
0.6	
0.6 -	-
0.6	
0.6 - 0.5 -	
0.5 -	-
0.5 -	-
0.5 -	
0.5 - දු	
0.5 -	
0.5 - (\$15) MO H	
0.5 - (S) 0.4 - 0.3 -	
0.5 - (\$5) 80 0.4 - 1 1 1 1 1 1 1 1 1 1 1 1 1	
0.5 () () () () () () () () () ()	
$\begin{array}{c} 0.5 \\ \hline \\ \underbrace{(35)}_{MO} \\ 0.4 \\ \hline \\ 0.3 \\ 0.2 \\ \hline \end{array}$	
0.5 - (S) 0.4 - 0.3 -	
$\begin{array}{c} 0.5 \\ \overbrace{(35)}{0.4} \\ 0.3 \\ 0.2 \\ 0.1 \\ \end{array}$	
0.5 (S) 0.4 0.3 0.2 0.1 0.1 0.0 0.1	
$\begin{array}{c} 0.5 \\ \overbrace{(35)}{0.4} \\ 0.3 \\ 0.2 \\ 0.1 \\ \end{array}$	

Input Parameters		
Project Name	Sixth Street PARC Streets	
Subarea ID	S2	
Area (ac)	0.49	
Flow Path Length (ft)	235.0	
Flow Path Slope (vft/hft)	0.004	
50-yr Rainfall Depth (in)	5.9	
Percent Impervious	1.0	
Soil Type	6	
Design Storm Frequency	2-yr	
Fire Factor	0	
LID	False	
Output Results		
Modeled (2-yr) Rainfall Depth (in)	2.2833	
Peak Intensity (in/hr)	0.9835	
Undeveloped Runoff Coefficient (Cu)	0.5796	
Developed Runoff Coefficient (Cd)	0.9	
Time of Concentration (min)	10.0	
Clear Peak Flow Rate (cfs)	0.4337	
Burned Peak Flow Rate (cfs)	0.4337	
24-Hr Clear Runoff Volume (ac-ft)		
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	0.0832 3624.9716	
24-Hr Clear Runoff Volume (cu-ft)	0.0832 3624.9716	
24-Hr Clear Runoff Volume (cu-ft)	0.0832	
24-Hr Clear Runoff Volume (cu-ft)	0.0832 3624.9716	
24-Hr Clear Runoff Volume (cu-ft)	0.0832 3624.9716	
24-Hr Clear Runoff Volume (cu-ft)	0.0832 3624.9716	
24-Hr Clear Runoff Volume (cu-ft)	0.0832 3624.9716	
24-Hr Clear Runoff Volume (cu-ft) 0.45 Hydrograph (Sixth Strong 0.40	0.0832 3624.9716	
24-Hr Clear Runoff Volume (cu-ft) 0.45 0.40 0.35	0.0832 3624.9716	
24-Hr Clear Runoff Volume (cu-ft)	0.0832 3624.9716	
24-Hr Clear Runoff Volume (cu-ft) 0.45 0.40 0.35 0.30 -	0.0832 3624.9716	
24-Hr Clear Runoff Volume (cu-ft) 0.45 0.40 0.35 0.30 -	0.0832 3624.9716	
24-Hr Clear Runoff Volume (cu-ft) 0.45 0.40 0.35 0.30 -	0.0832 3624.9716	
24-Hr Clear Runoff Volume (cu-ft) 0.45 0.40 0.35 0.30 -	0.0832 3624.9716	
24-Hr Clear Runoff Volume (cu-ft) 0.45 Hydrograph (Sixth Stra 0.40 0.35 - 0.30 -	0.0832 3624.9716	
24-Hr Clear Runoff Volume (cu-ft) 0.45 0.40 0.35 0.30 0.30 0.25 0.20 0.20	0.0832 3624.9716	
24-Hr Clear Runoff Volume (cu-ft) 0.45 Hydrograph (Sixth Stra 0.40 0.35 0.30	0.0832 3624.9716	
24-Hr Clear Runoff Volume (cu-ft) 0.45 0.40 0.35 0.30 0.30 0.25 0.25 0.20 0.15 -	0.0832 3624.9716	
24-Hr Clear Runoff Volume (cu-ft) 0.45 0.40 0.35 0.30 0.30 0.25 0.20 0.20	0.0832 3624.9716	
24-Hr Clear Runoff Volume (cu-ft) 0.45 0.40 0.35 0.30 0.30 0.25 0.25 0.20 0.15 -	0.0832 3624.9716	
24-Hr Clear Runoff Volume (cu-ft) 0.45 0.40 0.35 0.30 0.30 0.25 0.25 0.20 0.15 -	0.0832 3624.9716	
24-Hr Clear Runoff Volume (cu-ft) 0.45 0.40 0.35 0.30 0.30 0.25 0.25 0.20 0.15 0.10 -	0.0832 3624.9716	
24-Hr Clear Runoff Volume (cu-ft) 0.45 0.40 0.35 0.30 0.25 0.25 0.20 0.15 0.10 0.05	0.0832 3624.9716	
24-Hr Clear Runoff Volume (cu-ft) 0.45 0.40 0.35 0.30 0.30 0.25 0.25 0.20 0.15 0.10 0.05 0.00	0.0832 3624.9716	

Input Parameters	
Project Name	Sixth Street PARC Streets
Subarea ID	S3
Area (ac)	2.64
Flow Path Length (ft)	485.0
Flow Path Slope (vft/hft)	0.0035
50-yr Rainfall Depth (in)	5.9
Percent Impervious	1.0
Soil Type	6
Design Storm Frequency	2-yr
Fire Factor	0
LID	False
Output Results	
Modeled (2-yr) Rainfall Depth (in)	2.2833
Peak Intensity (in/hr)	0.7886
Undeveloped Runoff Coefficient (Cu)	0.5131
Developed Runoff Coefficient (Cd)	0.9
Time of Concentration (min)	16.0
Clear Peak Flow Rate (cfs)	1.8737
Burned Peak Flow Rate (cfs)	1.8737
24-Hr Clear Runoff Volume (ac-ft)	0.4484
24-Hr Clear Runoff Volume (cu-ft)	19530.4981
2.0 Hydrograph (Sixth S	Street PARC Streets: S3)
1.5 - (SJ) MOL H	
0.5 -	
0.0 0 200 400 600 Time	800 1000 1200 1400 1600 e (minutes)

Input Parameters	
Project Name	Sixth Street PARC Streets
Subarea ID	S4
Area (ac)	1.43
Flow Path Length (ft)	245.0
Flow Path Slope (vft/hft)	0.008
50-yr Rainfall Depth (in)	5.9
Percent Impervious	0.69
Soil Type	6
Design Storm Frequency	2-yr
Fire Factor	0
LID	False
Output Results	
Modeled (2-yr) Rainfall Depth (in)	2.2833
Peak Intensity (in/hr) Undeveloped Runoff Coefficient (Cu)	1.0334
Undeveloped Runoff Coefficient (Cu)	0.5914
Developed Runoff Coefficient (Cd)	0.8043
Time of Concentration (min)	9.0
Clear Peak Flow Rate (cfs)	1.1887
Burned Peak Flow Rate (cfs)	1.1887
24-Hr Clear Runoff Volume (ac-ft)	0.1791
24-Hr Clear Runoff Volume (cu-ft)	7799.7778
1.2 Hydrograph (Sixth S	Street PARC Streets: S4)
1.0 -	
0.8	
0.0	
	1
(cts)	
(cts) 0.6	
- 6.0 Elow	
_	
(st) MOL 0.4 -	
_	
_	
_	
0.4 -	
0.4 -	
0.4	
0.4 0.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0	800 1000 1200 1400 1600 e (minutes)

Input Parameters	
Project Name	Sixth Street PARC
Subarea ID	P1
Area (ac)	1.78
Flow Path Length (ft)	100.0
Flow Path Slope (vft/hft)	0.02
50-yr Rainfall Depth (in)	5.9
Percent Impervious	0.42
Soil Type	6
Design Storm Frequency Fire Factor	5-yr 0
LID	False
LID	
Output Results	
Modeled (5-yr) Rainfall Depth (in)	3.4456
Peak Intensity (in/hr)	2.0557
Undeveloped Runoff Coefficient (Cu)	0.7384
Developed Runoff Coefficient (Cd)	0.8063
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	2.9503
Burned Peak Flow Rate (cfs)	2.9503
	0.0000
24-Hr Clear Runoff Volume (ac-ft)	0.2389
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	0.2389 10407.229
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	
24-Hr Clear Runoff Volume (cu-ft)	10407.229
24-Hr Clear Runoff Volume (cu-ft)	
24-Hr Clear Runoff Volume (cu-ft)	10407.229
24-Hr Clear Runoff Volume (cu-ft) 3.0 Hydrograph (S	10407.229
24-Hr Clear Runoff Volume (cu-ft)	10407.229
24-Hr Clear Runoff Volume (cu-ft) 3.0 Hydrograph (S	10407.229
24-Hr Clear Runoff Volume (cu-ft) 3.0 Hydrograph (S	10407.229
24-Hr Clear Runoff Volume (cu-ft) 3.0 Hydrograph (S	10407.229
24-Hr Clear Runoff Volume (cu-ft) 3.0 2.5 -	10407.229
24-Hr Clear Runoff Volume (cu-ft) 3.0 2.5 - 2.0	10407.229
24-Hr Clear Runoff Volume (cu-ft) 3.0 2.5 - 2.0	10407.229
24-Hr Clear Runoff Volume (cu-ft) 3.0 2.5 - 2.0 -	10407.229
24-Hr Clear Runoff Volume (cu-ft) 3.0 2.5 2.0 	10407.229
24-Hr Clear Runoff Volume (cu-ft) 3.0 2.5 2.5 - 2.0 - (Signation of the second	10407.229
24-Hr Clear Runoff Volume (cu-ft) 3.0 2.5 - 2.0	10407.229
24-Hr Clear Runoff Volume (cu-ft) 3.0 2.5 2.5 - 2.0 (Sig) Moli 1.5 -	10407.229
24-Hr Clear Runoff Volume (cu-ft) 3.0 2.5 2.0 (s) (s) (s) (s) (s) (s) (s) (s)	10407.229
24-Hr Clear Runoff Volume (cu-ft) 3.0 2.5 2.5 - 2.0 (Sig) Moli 1.5 -	10407.229
24-Hr Clear Runoff Volume (cu-ft) 3.0 2.5 2.0 (s) (s) (s) (s) (s) (s) (s) (s)	10407.229
24-Hr Clear Runoff Volume (cu-ft) 3.0 2.5 2.0 (sp) MOL 1.5 1.5 - 1.0 0.5 -	10407.229
24-Hr Clear Runoff Volume (cu-ft) 3.0 2.5 2.0 (s) (s) (s) (s) (s) (s) (s) (s)	10407.229

Input Parameters	
Project Name	Sixth Street PARC
Subarea ID	P2
Area (ac)	0.19
Flow Path Length (ft)	100.0
Flow Path Slope (vft/hft)	0.02
50-yr Rainfall Depth (in)	5.9
Percent Impervious	0.05
Soil Type	6
Design Storm Frequency	5-yr
Fire Factor	0
LID	False
Output Results	
Modeled (5-vr) Rainfall Depth (in)	3.4456
Peak Intensity (in/hr)	2.0557
Peak Intensity (in/hr) Undeveloped Runoff Coefficient (Cu)	0.7384
Developed Runoff Coefficient (Cd)	0.7465
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	0.2916
Burned Peak Flow Rate (cfs)	0.2916
24-Hr Clear Runoff Volume (ac-ft)	0.0107
24-Hr Clear Runoff Volume (cu-ft)	466.4282
0.30 Hydrograph (Sixth S	Street PARC: P2)
0.25 -	
0.20 -	-
0.20 -	
0.20 - <u>(</u>	
0.20 -	
0.20 - (\$5) 80.15 - 14	
0.20 - (S) NO 0.15 - 0.10 -	

Input Parameters	
Project Name	Sixth Street PARC
Subarea ID	P3
Area (ac)	0.2
Flow Path Length (ft)	100.0
Flow Path Slope (vft/hft)	0.02
50-yr Rainfall Depth (in)	5.9
Percent Impervious	0.65
Soil Type	6
Design Storm Frequency	5-yr
Fire Factor	0
LID	False
Output Results	
Modeled (5-yr) Rainfall Depth (in)	3.4456
Peak Intensity (in/hr)	2.0557
Undeveloped Runoff Coefficient (Cu)	0.7384
Developed Runoff Coefficient (Cd)	0.8434
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	0.3468
Dumped Deels Flaus Deta (afa)	0.3468
Burned Peak Flow Rate (CIS)	
Burned Peak Flow Rate (cfs) 24-Hr Clear Runoff Volume (ac-ft)	0.0365
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (ac-ft)	0.0365 1591.0439
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) Hvdrograph (
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	1591.0439
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) Hvdrograph (1591.0439
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) Hvdrograph (1591.0439
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.35 Hydrograph (1591.0439
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.35 0.30	1591.0439
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.35 Hydrograph (1591.0439
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.35 0.30	1591.0439
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.35 0.30 0.25	1591.0439
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.35 0.30 0.25	1591.0439
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.35 0.30 0.25	1591.0439
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.35 0.30 0.25	1591.0439
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.35 0.30 0.25	1591.0439
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.35 0.30 0.25	1591.0439
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.35 0.30 0.25	1591.0439
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.35 0.30 0.25 0.25 0.20 0.25 0.20 0.15	1591.0439
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.35 0.30 0.25 0.25 0.20 0.25 0.10	1591.0439
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.35 0.30 0.25 0.25 0.20 0.25 0.15	1591.0439
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.35 0.30 0.25 0.25 0.20 0.25 0.20 0.10	1591.0439
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.35 0.30 0.25 0.25 0.20 0.25 0.15 0.10 0.05	1591.0439
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.35 0.30 0.25 0.25 0.20 0.25 0.20 0.10	1591.0439

Input Parameters	
Project Name	Sixth Street PARC
Subarea ID	P4
Area (ac)	0.27
Flow Path Length (ft)	100.0
Flow Path Slope (vft/hft)	0.02
50-yr Rainfall Depth (in)	5.9
Percent Impervious	0.01
Soil Type	6 5 yr
Design Storm Frequency Fire Factor	5-yr 0
LID	False
Output Results	
Modeled (5-yr) Rainfall Depth (in)	3.4456
Peak Intensity (in/hr)	2.0557
Undeveloped Runoff Coefficient (Cu)	0.7384
Developed Runoff Coefficient (Cd)	0.74
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	0.4108
Burned Peak Flow Rate (cfs)	0.4108
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	0.0129 563.813
	000.010
Liversgraph (Sixth Stra	
0.45 Hydrograph (Sixth Stre	
0.40 -	-
0.35 -	-
0.30 -	
<u>န</u> ္မွာ 0.25 –	1
ණු 0.25 - මී 0.20 -	-
0.15 -	
0.10 -	
0.051	
0.05	

Sixth Street PARC P5 0.19 100.0 0.02 5.9 0.05 6 5-yr
P5 0.19 100.0 0.02 5.9 0.05 6 5-yr
0.19 100.0 0.02 5.9 0.05 6 5-yr
100.0 0.02 5.9 0.05 6 5-yr
0.02 5.9 0.05 6 5-yr
5.9 0.05 6 5-yr
0.05 6 5-yr
6 5-yr
5-yr
0 False
1 0150
3.4456
2.0557
0.7384
0.7465
5.0
0.2916
0.2916
0.0107
466.4282
ARC: P5)
-
1
1
00 1200 1400 1600

Input Parameters	
Project Name	Sixth Street PARC
Subarea ID	P6
Area (ac)	0.51
Flow Path Length (ft)	100.0
Flow Path Slope (vft/hft)	0.02
50-yr Rainfall Depth (in)	5.9
Percent Impervious	0.25 6
Soil Type Design Storm Frequency	o 5-yr
Fire Factor	0
LID	False
	1 4100
Output Results Modeled (5-yr) Rainfall Depth (in)	3.4456
Peak Intensity (in/hr)	2.0557
Undeveloped Runoff Coefficient (Cu)	0.7384
Developed Runoff Coefficient (Cd)	0.7788
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	0.8165
Burned Peak Flow Rate (cfs)	0.8165
24-Hr Clear Runoff Volume (ac-ft)	0.0502
24-Hr Clear Runoff Volume (cu-ft)	2187.0482
0.9 Hydrograph (Sixth Street F	PARC: P6)
0.8 -	
0.7	
0.6 -	
0.0	
<u>ن</u> و 0.5 –	
(cts	
(\$) 0.5 - 0.4 -	
은 0.4 -	-
0.3 -	
0.2 -	
0.1	
0.0 200 400 600 800	
	1000 1200 1400 1600
Time (minutes)	

Input Parameters	
•	
Project Name	Sixth Street PARC
Subarea ID	P7
Area (ac)	0.15
Flow Path Length (ft)	100.0
Flow Path Slope (vft/hft)	0.02
50-yr Rainfall Depth (in)	5.9
Percent Impervious	0.06
	6
Design Storm Frequency Fire Factor	5-yr
LID	0 False
	1 0100
Output Results	
Modeled (5-yr) Rainfall Depth (in)	3.4456
Peak Intensity (in/hr)	2.0557
Undeveloped Runoff Coefficient (Cu)	0.7384
Developed Runoff Coefficient (Cd)	0.7481
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	0.2307
Burned Peak Flow Rate (cfs)	0.2307
24-Hr Clear Runoff Volume (ac-ft)	0.0088
24-Hr Clear Runoff Volume (cu-ft)	381.9836
Hydrograph (Sixth Stree	et PARC: P7)
0.25 Hydrograph (Sixth Stree	et PARC: P7)
0.25 Hydrograph (Sixth Stree	et PARC: P7)
0.25	et PARC: P7)
0.25 Hydrograph (Sixth Stree	et PARC: P7)
0.25	et PARC: P7)
0.25	et PARC: P7)
0.20 -	et PARC: P7)
0.20 - 0.15 -	et PARC: P7)
0.20	et PARC: P7)
0.20 - 0.15 -	et PARC: P7)
0.20 0.20 - 0.15 - (S) NO	et PARC: P7)
0.20	et PARC: P7)
0.20 0.20 - 0.15 - (s) NO	et PARC: P7)
0.20 0.20 0.15 0.15 0.15	et PARC: P7)
0.20 0.20 0.15 0.15 0.15	et PARC: P7)
0.20 0.20 0.15 0.15 0.10 0.10 0.10	et PARC: P7)
0.20 0.20 0.15 0.15 0.10 0.10 0.10	et PARC: P7)
0.20 - 0.15 - <u>(g)</u> 0.10 - 0.05 -	et PARC: P7)
0.20 0.20 0.15 0.15 0.10 0.10 0.10	et PARC: P7)

Input Parameters	
Project Name	Sixth Street PARC
Subarea ID	P8
Area (ac)	0.45
Flow Path Length (ft)	100.0
Flow Path Slope (vft/hft)	0.02
50-yr Rainfall Depth (in)	5.9
Percent Impervious	0.76
Soil Type	6
Design Storm Frequency	5-yr
Fire Factor	0
LID	False
Output Results	
Modeled (5-yr) Rainfall Depth (in)	3.4456
Peak Intensity (in/hr)	2.0557
Peak Intensity (in/hr) Undeveloped Runoff Coefficient (Cu)	0.7384
Developed Runoff Coefficient (Cd)	0.8612
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	0.7967
Burned Peak Flow Rate (cfs)	0.7967
24-Hr Clear Runoff Volume (ac-ft)	0.0926
24-Hr Clear Runoff Volume (cu-ft)	4033.6262
0.8 Hydrograph (Sixth S	Street PARC: P8)
0.7	
0.7 -	-
0.7 -	-
0.7 - 0.6 -	
	-
0.6 -	-
0.6 - 0.5 -	-
0.6 - 0.5 -	-
0.6 - 0.5 -	
0.6 - 0.5 -	
0.6 - 0.5 - (<u>\$5)</u> <u>80</u> <u>1</u> <u>1</u> <u>1</u> <u>1</u>	
0.6 - 0.5 -	
0.6 - 0.5 - (<u>\$5)</u> <u>80</u> <u>1</u> <u>1</u> <u>1</u> <u>1</u>	
0.6 - 0.5 - (<u>\$5)</u> <u>80</u> <u>1</u> <u>1</u> <u>1</u> <u>1</u>	
0.6 - 0.5 - 0.5 - 0.4 - 0.3	
0.6 - 0.5 - 0.5 - 0.4 - 0.3 - 0.2	
0.6 - 0.5 - 0.5 - 0.4 - 0.3	
0.6 - 0.5 - 0.5 - 0.4 - 0.3 - 0.2	
0.6 - 0.5 - 0.5 - 0.4 - 0.3 - 0.2 - 0.1 - 0.1 - 0.0 - 0.1 - 0.0	
0.6 - 0.5 - 0.5 - 0.4 - 0.3 - 0.2	

Input Paramet	ters		
Project Name		Sixth Street PARC	
Subarea ID		P9	
Area (ac)		1.44	
Flow Path Leng	gth (ft)	100.0	
Flow Path Slop		0.02	
50-yr Rainfall		5.9	
Percent Imperv	lious	0.43 6	
Soil Type Design Storm	Fraguaday	o 5-yr	
Fire Factor	requeitcy	0	
LID		False	
		1 0.00	
Output Result			
Modeled (5-yr)	Rainfall Depth (in)	3.4456	
Peak Intensity	(in/hr) Runoff Coefficient (Cu)	2.0557	
Undeveloped F	kunott Coefficient (Cu)	0.7384	
Developed Kul	noff Coefficient (Cd)	0.8079	
Time of Conce Clear Peak Flo	Manuon (mm)	5.0 2.3916	
Rurnod Dook	Flow Rate (cfs)	2.3916	
24-Hr Clear Ru	Inoff Volume (ac-ft)	0 1963	
24-Hr Clear Ru	Inoff Volume (ac-ft) Inoff Volume (cu-ft)	0.1963 8551.3394	
24-Hr Clear Ru	inoff Volume (ac-ft) inoff Volume (cu-ft)		
24-Hr Clear Ru	Inoff Volume (cu-ft)	8551.3394	
24-Hr Clear Ru	Inoff Volume (cu-ft)		
24-Hr Clear Ru 24-Hr Clear Ru	Inoff Volume (cu-ft)	8551.3394	
24-Hr Clear Ru 24-Hr Clear Ru	Inoff Volume (cu-ft)	8551.3394	
24-Hr Clear Ru 24-Hr Clear Ru ^{2.5}	Inoff Volume (cu-ft)	8551.3394	
24-Hr Clear Ru 24-Hr Clear Ru	Inoff Volume (cu-ft)	8551.3394	
24-Hr Clear Ru 24-Hr Clear Ru ^{2.5}	Inoff Volume (cu-ft)	8551.3394	
24-Hr Clear Ru 24-Hr Clear Ru ^{2.5}	Inoff Volume (cu-ft)	8551.3394	
24-Hr Clear Ru 24-Hr Clear Ru 2.5 2.0	Inoff Volume (cu-ft)	8551.3394	
24-Hr Clear Ru 24-Hr Clear Ru 2.5 2.0 - 1.5	Inoff Volume (cu-ft)	8551.3394	
24-Hr Clear Ru 24-Hr Clear Ru 2.5 2.0 - 1.5	Inoff Volume (cu-ft)	8551.3394	
24-Hr Clear Ru 24-Hr Clear Ru 2.5 2.0 - 1.5	Inoff Volume (cu-ft)	8551.3394	
24-Hr Clear Ru 24-Hr Clear Ru 2.5 2.0	Inoff Volume (cu-ft)	8551.3394	
24-Hr Clear Ru 24-Hr Clear Ru 2.5 2.0 2.0 -	Inoff Volume (cu-ft)	8551.3394	
24-Hr Clear Ru 24-Hr Clear Ru 2.5 2.0 2.0 -	Inoff Volume (cu-ft)	8551.3394	
24-Hr Clear Ru 24-Hr Clear Ru 2.5 2.0 1.5 1.5 1.0	Inoff Volume (cu-ft)	8551.3394	
24-Hr Clear Ru 24-Hr Clear Ru 2.5 2.0 2.0 -	Inoff Volume (cu-ft)	8551.3394	
24-Hr Clear Ru 24-Hr Clear Ru 2.5 2.0 1.5 1.5 1.0	Inoff Volume (cu-ft)	8551.3394	
24-Hr Clear Ru 24-Hr Clear Ru 2.5 2.0 1.5 1.5 1.0	Inoff Volume (cu-ft)	8551.3394	
24-Hr Clear Ru 24-Hr Clear Ru 2.5 2.0 1.5 0.5 0.5	Inoff Volume (cu-ft)	8551.3394	
24-Hr Clear Ru 24-Hr Clear Ru 2.5 2.0 1.5 1.5 1.0	Hydrograph (Sixth	8551.3394	0

Input Parameters	
Project Name	Sixth Street PARC
Subarea ID	P10
Area (ac)	0.68
Flow Path Length (ft)	100.0
Flow Path Slope (vft/hft)	0.02
50-yr Rainfall Depth (in)	5.9
Percent Impervious	0.15
Soil Type	6
Design Storm Frequency	5-yr
Fire Factor	0
LID	False
Output Results	
Modeled (5-vr) Rainfall Depth (in)	3.4456
Peak Intensity (in/hr)	2.0557
Undeveloped Runoff Coefficient (Cu)	0.7384
Developed Runoff Coefficient (Cd)	0.7626
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	1.0661
Burned Peak Flow Rate (cfs)	1.0661
24-Hr Clear Runoff Volume (ac-ft)	0.0526
24-Hr Clear Runoff Volume (cu-ft)	2292.6931
1.2 Hydrograph (Sixth S	Street PARC: P10)
1.0 -	-
0.8 -	_
(s)	
- 0.0 - 0.0	
80.0	
Ē	
0.4 -	
0.2 -	
0.2 -	_
0.2 -	
0.0	

Input Parameters	
Project Name	Sixth Street PARC
Subarea ID	P11
Area (ac)	0.34
Flow Path Length (ft)	100.0
Flow Path Slope (vft/hft)	0.02
50-yr Rainfall Depth (in)	5.9
Percent Impervious	0.3
Soil Type	6
Design Storm Frequency	5-yr
Fire Factor LID	0 False
LID	I dise
Output Results	
Modeled (5-yr) Rainfall Depth (in)	3.4456
Peak Intensity (in/hr)	2.0557
Undeveloped Runoff Coefficient (Cu)	0.7384
Developed Runoff Coefficient (Cd)	0.7869
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	0.55
Burned Peak Flow Rate (cfs)	0.55
24-Hr Clear Runoff Volume (ac-ft)	0.037 1613.875
24-Hr Clear Runoff Volume (cu-ft)	1013.075
0.6 Hydrograph (Sixth St	ireet PARC: P11)
0.5	
0.0	
0.4	
0.4 -	
- E.0 (cts)	
<u> </u>	1
Ĕ	
0.2 -	
0.1	
0.0	
0.0 0 200 400 600 800 Time (min	1000 1200 1400 1600

Input Parameters		
Project Name	Sixth Street PARC	
Subarea ID	P12	
Area (ac)	0.47	
Flow Path Length (ft)	100.0	
Flow Path Slope (vft/hft)	0.02	
50-yr Rainfall Depth (in)	5.9	
Percent Impervious	0.01	
Soil Type	6	
Design Storm Frequency	5-yr	
Fire Factor	0	
LID	False	
Output Results		
Modeled (5-yr) Rainfall Depth (in)	3.4456	
Peak Intensity (in/hr)	2.0557	
Peak Intensity (in/hr) Undeveloped Runoff Coefficient (Cu)	0.7384	
Developed Runoff Coefficient (Cd)	0.74	
Time of Concentration (min)	5.0	
Clear Peak Flow Rate (cfs)	0.715	
Burned Peak Flow Rate (cfs)	0.715	
24-Hr Clear Runoff Volume (ac-ft)	0.0225	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	0.0225 981.4522	
24-Hr Clear Runoff Volume (cu-ft)	981.4522	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.8 Hydrograph (Sixth S	981.4522	
24-Hr Clear Runoff Volume (cu-ft) 0.8 Hydrograph (Sixth S	981.4522	
24-Hr Clear Runoff Volume (cu-ft)	981.4522	
24-Hr Clear Runoff Volume (cu-ft) 0.8 Hydrograph (Sixth S	981.4522	
24-Hr Clear Runoff Volume (cu-ft) 0.8 0.7 -	981.4522	
24-Hr Clear Runoff Volume (cu-ft) 0.8 Hydrograph (Sixth S	981.4522	
24-Hr Clear Runoff Volume (cu-ft) 0.8 0.7 0.6 -	981.4522	
24-Hr Clear Runoff Volume (cu-ft) 0.8 0.7 -	981.4522	
24-Hr Clear Runoff Volume (cu-ft) 0.8 0.7 0.6 0.5 -	981.4522	
24-Hr Clear Runoff Volume (cu-ft) 0.8 0.7 0.6 0.5 -	981.4522	
24-Hr Clear Runoff Volume (cu-ft) 0.8 0.7 0.6 0.5 -	981.4522	
24-Hr Clear Runoff Volume (cu-ft) 0.8 0.7 0.6 0.6 0.5 0.4 0.4	981.4522	
24-Hr Clear Runoff Volume (cu-ft) 0.8 0.7 0.6 0.5 -	981.4522	
24-Hr Clear Runoff Volume (cu-ft) 0.8 0.7 0.6 0.6 0.5 0.4 0.3 -	981.4522	
24-Hr Clear Runoff Volume (cu-ft) 0.8 0.7 0.6 0.6 0.5 0.4 0.4	981.4522	
24-Hr Clear Runoff Volume (cu-ft) 0.8 0.7 0.6 0.6 0.5 0.4 0.3 -	981.4522	
24-Hr Clear Runoff Volume (cu-ft)	981.4522	
24-Hr Clear Runoff Volume (cu-ft) 0.8 0.7 0.6 0.6 0.5 0.4 0.3 -	981.4522	
24-Hr Clear Runoff Volume (cu-ft)	981.4522	
24-Hr Clear Runoff Volume (cu-ft)	981.4522	

Input Parameters	
Project Name	Sixth Street PARC
Subarea ID	P13
Area (ac)	0.02
Flow Þath Length (ft)	100.0
Flow Path Slope (vft/hft)	0.02
50-yr Rainfall Depth (in)	5.9
Percent Impervious	0.01
Soil Type	6
Design Storm Frequency	5-yr
Fire Factor	0
LID	False
Output Results	
Modeled (5-yr) Rainfall Depth (in)	3.4456
Peak Intensity (in/hr)	2.0557
Undeveloped Runoff Coefficient (Cu)	0.7384
Developed Runoff Coefficient (Cd)	0.74
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	0.0304
Burned Peak Flow Rate (cfs)	0.0304
24-Hr Clear Runoff Volume (ac-ft)	0.001
24-Hr Clear Runoff Volume (cu-ft)	41.7639
0.035 Hydrograph (Sixth Street	PARC: P13)
0.030 -	
0.025 -	-
<u>@</u> 0.020 -	
0	
(20 3)	
正 0.015 -	1
0.010 -	
0.010	1
0.005 -	
0.000 F	// 1
0.000	
0.000 0 200 400 600 800 Time (minutes)	1000 1200 1400 1600

Input Parameters		
Project Name	Sixth Street Viaduct	
Subarea ID	V1	
Area (ac)	0.84	
Flow Path Length (ft)	225.0	
Flow Path Slope (vft/hft)	0.05	
50-yr Rainfall Depth (in)	5.9	
Percent Impervious	1.0	
Soil Type	6	
Design Storm Frequency	5-yr	
Fire Factor	0	
LID	False	
Output Results		
Modeled (5-yr) Rainfall Depth (in)	3.4456	
Peak Intensity (in/hr)	2.0557	
Peak Intensity (in/hr) Undeveloped Runoff Coefficient (Cu)	0.7384	
Developed Runoff Coefficient (Cd)	0.9	
Time of Concentration (min)	5.0	
Clear Peak Flow Rate (cfs)	1.5541	
Burned Peak Flow Rate (cfs)	1.5541	
24-Hr Clear Runoff Volume (ac-ft)	0.2153	
24-Hr Clear Runoff Volume (cu-ft)	9377.5479	
24-Hr Clear Runoff Volume (cu-ft)		
24-Hr Clear Runoff Volume (cu-ft)	9377.5479	
24-Hr Clear Runoff Volume (cu-ft) 24-Hr Clear Runoff Volume (cu-ft) 1.6	9377.5479	
24-Hr Clear Runoff Volume (cu-ft)	9377.5479	
24-Hr Clear Runoff Volume (cu-ft)	9377.5479	
24-Hr Clear Runoff Volume (cu-ft) Hydrograph (Sixth Str	9377.5479	
24-Hr Clear Runoff Volume (cu-ft) 1.6 1.4 1.4	9377.5479	
24-Hr Clear Runoff Volume (cu-ft) Hydrograph (Sixth Str	9377.5479	
24-Hr Clear Runoff Volume (cu-ft) 1.6 1.4 1.4	9377.5479	
24-Hr Clear Runoff Volume (cu-ft) 1.6 1.4 1.4	9377.5479	
24-Hr Clear Runoff Volume (cu-ft) 1.6 1.6 1.4 1.2 1.0 -	9377.5479	
24-Hr Clear Runoff Volume (cu-ft) 1.6 1.6 1.4 1.2 1.0 -	9377.5479	
24-Hr Clear Runoff Volume (cu-ft) 1.6 1.6 1.4 1.2 1.0 -	9377.5479	
24-Hr Clear Runoff Volume (cu-ft) Hydrograph (Sixth Str 1.4 1.2 1.0 $\widehat{\mathfrak{B}}$	9377.5479	
24-Hr Clear Runoff Volume (cu-ft) 1.6 1.6 1.4 1.2 1.0 -	9377.5479	
24-Hr Clear Runoff Volume (cu-ft) Hydrograph (Sixth Str 1.4 1.2 1.0 $\frac{1.6}{1.4}$ 1.2 $\frac{1.0}{1.2}$ 0.8	9377.5479	
24-Hr Clear Runoff Volume (cu-ft) Hydrograph (Sixth Str 1.4 1.2 1.0 	9377.5479	
24-Hr Clear Runoff Volume (cu-ft) Hydrograph (Sixth Str 1.4 1.2 1.0 1.0 	9377.5479	
24-Hr Clear Runoff Volume (cu-ft) Hydrograph (Sixth Str 1.4 1.2 1.0 	9377.5479	
24-Hr Clear Runoff Volume (cu-ft) Hydrograph (Sixth Str 1.4 1.2 1.0 	9377.5479	
24-Hr Clear Runoff Volume (cu-ft) Hydrograph (Sixth Str 1.4 1.2 1.0 	9377.5479	
24-Hr Clear Runoff Volume (cu-ft) Hydrograph (Sixth Str 1.4 1.2 1.0 0.8 0.8 0.6 0.4 0.2 -	9377.5479	
24-Hr Clear Runoff Volume (cu-ft) Hydrograph (Sixth Str 1.4 1.2 1.0 	9377.5479	

Input Parameters	
Project Name	Sixth Street Viaduct
Subarea ID	V2
Area (ac)	0.74
Flow Path Length (ft)	250.0
Flow Path Slope (vft/hft)	0.03
50-yr Rainfall Depth (in)	5.9
Percent Impervious	1.0
Soil Type	6
Design Storm Frequency	5-yr
Fire Factor	0
LID	False
Output Results	
Modeled (5-yr) Rainfall Depth (in)	3.4456
Peak Intensity (in/hr)	2.0557
Undeveloped Runoff Coefficient (Cu)	0.7384
Developed Runoff Coefficient (Cd)	0.9
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	1.3691
Burned Peak Flow Rate (cfs)	1.3691
24-Hr Clear Runoff Volume (ac-ft)	0.1897
24-Hr Clear Runoff Volume (cu-ft)	8261.1731
^{1.4} Hydrograph (Sixth Stree	t Viaduct: V2)
1.2 -	
1.2	
1.0 -	
ω 0.8 -	-
(ct	
(cts) 0.0	
표 0.6	
0.4	
0.4 -	1
0.2	
0 200 400 600 800	1000 1200 1400 1600
Time (minutes	

Input Parameters			
Project Name		Sixth Street Viaduo	ct
Subarea ID		V3	
Area (ac)		0.58	
Flow Path Length (ft)		200.0	
Flow Path Slope (vft/hft)		0.01	
50-yr Rainfall Depth (in)		5.9	
Percent Impervious		1.0	
Soil Type		6	
Design Storm Frequency		5-yr	
Fire Factor		0	
LID		False	
Output Results			
Modeled (5-yr) Rainfall Depth (in)		3.4456	
Peak Intensity (in/hr)		1.8869	
Undeveloped Runoff Coefficient (C	Cu)	0.7199	
Developed Runoff Coefficient (Cd)		0.9	
Time of Concentration (min)		6.0	
Clear Peak Flow Rate (cfs)		0.985	
		0.985	
Burned Peak Flow Rate (cfs)		0 4 400	
Burned Peak Flow Rate (cfs) 24-Hr Clear Runoff Volume (ac-ft)		0.1486	
Burned Peak Flow Rate (cfs) 24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)		0.1486 6474.9744	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	raph (Sixth Street	6474.9744	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) Hvdrog	raph (Sixth Street	6474.9744	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) Hvdrog	raph (Sixth Street	6474.9744	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	raph (Sixth Street	6474.9744	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	raph (Sixth Street	6474.9744	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	raph (Sixth Street	6474.9744	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	raph (Sixth Street	6474.9744	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	raph (Sixth Street	6474.9744	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	raph (Sixth Street	6474.9744	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	raph (Sixth Street	6474.9744	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	raph (Sixth Street	6474.9744	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	raph (Sixth Street	6474.9744	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	raph (Sixth Street	6474.9744	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	raph (Sixth Street	6474.9744	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	raph (Sixth Street	6474.9744	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	raph (Sixth Street	6474.9744	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)		6474.9744	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	raph (Sixth Street	6474.9744 Viaduct: V3)	1600

Input Parameters		
Project Name	Sixth Street Viaduct	
Subarea ID	V4	
Area (ac)	0.72	
Flow Path Length (ft)	250.0	
Flow Path Slope (vft/hft)	0.01	
50-yr Rainfall Depth (in)	5.9	
Percent Impervious	1.0	
Soil Type	6	
Design Storm Frequency Fire Factor	5-yr 0	
LID	False	
Output Results		
Modeled (5-yr) Rainfall Depth (in)	3.4456	
Peak Intensity (in/hr) Undeveloped Runoff Coefficient (Cu)	1.8869	
Undeveloped Runoff Coefficient (Cu)	0.7199	
Developed Runoff Coefficient (Cd)	0.9	
Time of Concentration (min)	6.0	
Clear Peak Flow Rate (cfs)	1.2227	
Burned Peak Flow Rate (cfs)	1.2227	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	0.1845 8037.8993	
	0007.0335	
1.4 Hydrograph (Sixth Street	Viaduct: V4)	
1.2 -		
10		
1.0	1	
(cts		
Ĕ 0.6 -	-	
0.4	// 1	
0.2		
0.2		
0.0 0 200 400 600 800		
0.0 200 400 600 800 Time (minutes)	1000 1200 1400 1600	
Time (minutes)		

Input Paramet	ers		
Project Name		Sixth Street Viaduct	
Subarea ID		V5	
Area (ac)		0.65	
Flow Path Leng	gth (ft)	210.0	
Flow Path Slop	e (vft/hft)	0.01	
50-yr Rainfall D	Depth (in)	5.9	
Percent Imperv	rious	1.0	
Soil Type		6	
Design Storm I	Frequency	5-yr	
Fire Factor		0	
LID		False	
Output Result	S		
•	Rainfall Depth (in)	3.4456	
Peak Intensity	(in/hr)	1.8869	
Undeveloped F	Runoff Coefficient (Cu)	0.7199	
Developed Rur	noff Coefficient (Cd)	0.9	
Time of Conce	ntration (min)	6.0	
Clear Peak Flo	w Rate (cfs)	1.1038	
Burned Peak F	low Rate (cfs)	1.1038	
24-Hr Clear Ru	noff Volume (ac-ft)	0.1666	
24-Hr Clear Ru	noff Volume (cu-ft)	7256.4369	
1.2	Hydrograph (Sixth		
1.2			
			-
1.2			
1.2			_
1.2			-
1.2 1.0 0.8			-
1.2 1.0 - 0.8 - (sj) Mol H			-
1.2 1.0 - 0.8 -			
1.2 1.0 - 0.8 - (sj) Mol H			-
1.2 1.0 - 0.8 - (sj) Mol H			
1.2 1.0 0.8 (sj) mol H 0.6 - 0.4			
1.2 1.0 - 0.8 - (sj) Mol H			
1.2 1.0 0.8 (sj) 0.6 UL 0.4			
1.2 1.0 - 0.8 - (st) nol - 0.4 - 0.2 -			
1.2 1.0 - 0.8 - (\$5) MOL U.4 -	Hydrograph (Sixth		-

Input Para	ameters		
Project Na		Sixth Street Viaduct	
Subarea II		V6	
Area (ac)		0.69	
Flow Path	Length (ft)	210.0	
Flow Path	Slope (vft/hft)	0.01	
50-yr Rain	fall Depth (in)	5.9	
Percent Im	npervious	1.0	
Soil Type		6	
Design Sto	orm Frequency	5-yr	
Fire Factor	r	0	
LID		False	
Output Re	esults		
Modeled (5-vr) Rainfall Depth (in)	3.4456	
Peak Inten	nsity (in/hr)	1.8869	
Undevelop	bed Runoff Coefficient (Cu)	0.7199	
Developed	Runoff Coefficient (Cd)	0.9	
Time of Co	oncentration (min)	6.0	
Clear Peal	k Flow Rate (cfs)	1.1718	
Burned Pe	ak Flow Rate (cfs)	1.1718	
24-Hr Clea	ar Runoff Volume (ac-ft)	0.1768	
24-Hr Clea	ar Runoff Volume (cu-ft)	7702.9868	
1.2 _C	Hydrograph (Sixth Street)	Viaduct: V6)	
1.0		-	
0.8			
0.0			
<u> </u>			
- 9.0 Elow (cfs)			
8 0.0			
Ē			
0.4			
0.2			
0.0			
0		1000 1200 1400 1600	
	Time (minutes)		

Input Parameters	
Project Name	Sixth Street Viaduct
Subarea ID	V7
Area (ac)	0.69
Flow Path Length (ft)	210.0
Flow Path Slope (vft/hft)	0.01
50-yr Rainfall Depth (in)	5.9
Percent Impervious	1.0
Soil Type	6
Design Storm Frequency Fire Factor	5-yr 0
LID	False
	1 0.50
Output Results	
Modeled (5-yr) Rainfall Depth (in)	3.4456
Peak Intensity (in/hr)	1.8869
Undeveloped Runoff Coefficient (Cu)	0.7199
Developed Runoff Coefficient (Cd)	0.9
Time of Concentration (min)	6.0
Clear Peak Flow Rate (cfs)	1.1718 1.1718
Burned Peak Flow Rate (cfs) 24-Hr Clear Runoff Volume (ac-ft)	0.1768
24-Hr Clear Runoff Volume (cu-ft)	7702.9868
	1102.3000
1.2 Hydrograph (Sixth S	
1.0 -	-
0.8	
0.0	
- 6.0 -	
8 0.0 -	
Ē.	
0.4 -	
	/
0.2 -	
0.0	
0 200 400 600 800	
Time (mi	nutes)

Input Param	eters		
Project Name)	Sixth Street Viaduct	
Subarea ID		V8	
Area (ac)		0.69	
Flow Path Le	ngth (ft)	210.0	
Flow Path Slo	ope (vft/hft)	0.01	
50-yr Rainfall	Depth (in)	5.9	
Percent Impe	rvious	1.0	
Soil Type		6	
Design Storm	i Frequency	5-yr	
Fire Factor		0	
LID		False	
Output Resu	llts		
Modeled (5-v	r) Rainfall Depth (in)	3.4456	
Peak Intensit	y (in/hr)	1.8869	
Undeveloped	ý (in/hr) Runoff Coefficient (Cu)	0.7199	
Developed R	unoff Coefficient (Cd)	0.9	
Time of Cond	entration (min)	6.0	
Clear Peak F	low Rate (cfs)	1.1718	
Burned Peak	Flow Rate (cfs)	1.1718	
24-Hr Clear F	Runoff Volume (ac-ft)	0.1768	
24-Hr Clear F	Runoff Volume (cu-ft)	7702.9868	
	Hydrograph (Sixth S	Street Viaduct: V8)	
1.2			7
1.0 -			-
0.8			_
(s)			
- 0.0			
No. o			
Ξ I			
0.4			
0.4			-
0.2 -			-
0.0			
0	200 400 600 800 Time (m		600
	Time (m	inutes)	

Input Parameters			
Project Name		Sixth Street Viad	uct
Subarea ID		V9	
Area (ac)		0.69	
Flow Path Length (ft)		210.0	
Flow Path Slope (vft/l	nft)	0.01	
50-yr Rainfall Depth (in)	5.9	
Percent Impervious		1.0	
Soil Type		6	
Design Storm Freque	ncy	5-yr	
Fire Factor		0	
LID		False	
Output Results			
Modeled (5-yr) Rainfa	all Depth (in)	3.4456	
Peak Intensity (in/hr)		1.8869	
Peak Intensity (in/hr) Undeveloped Runoff	Coefficient (Cu)	0.7199	
Developed Runoff Co	efficient (Cd)	0.9	
Time of Concentration	n (min)	6.0	
Clear Peak Flow Rate	e (cfs)	1.1718	
Burned Peak Flow Ra	ate (cfs)	1.1718	
24-Hr Clear Runoff V	olume (ac-ft)	0.1768	
24-Hr Clear Runoff V	olume (cu-ft)	7702.9868	
	Hydrograph (Sixth	Street Viaduct: V9)	
1.2	nyarograph (oixar		
1.0 -			-
0.8 -			_
(s)			
- 6.0			
NO O.O			
ш			
0.4 -		//	-
		/	
		/	
0.2 -			-
0.0	I I		
0.0 0 200	400 600 80 Time (n	00 1000 1200 140	0 1600

Input Parameters	
Project Name	Sixth Street Viaduct
Subarea ID	V10
Area (ac)	0.64
Flow Path Length (ft)	200.0
Flow Path Slope (vft/hft)	0.01
50-yr Rainfall Depth (in)	5.9
Percent Impervious	1.0
Soil Type	6
Design Storm Frequency	5-yr
Fire Factor LID	0 False
Output Results	
Modeled (5-yr) Rainfall Depth (in)	3.4456
Peak Intensity (in/hr) Undeveloped Runoff Coefficient (Cu)	1.8869
Undeveloped Runott Coefficient (Cu)	0.7199
Developed Runoff Coefficient (Cd)	0.9
Time of Concentration (min)	6.0 1.0869
Clear Peak Flow Rate (cfs) Burned Peak Flow Rate (cfs)	1.0869
24-Hr Clear Runoff Volume (ac-ft)	0.164
24-Hr Clear Runoff Volume (cu-ft)	7144.7994
Hydrograph (Sixth Stre	et Viaduct [,] V10)
1.0 -	
1.0	
0.8 -	
- 6.0 -	
<u>)</u> 0.6 -	1
Ë	
0.4	
	//
0.2	/ \
0.0 0 200 400 600 800	
	1000 1200 1400 1600
Time (minut	les)

Input Parameters		
Project Name	Sixth Street PARC Streets	
Subarea ID	S1	
Area (ac)	0.77	
Flow Path Length (ft)	275.0	
Flow Path Slope (vft/hft)	0.01	
50-yr Rainfall Depth (in)	5.9	
Percent Impervious	1.0	
Soil Type	6	
Design Storm Frequency	5-yr	
Fire Factor	0	
LID	False	
Output Results		
Modeled (5-yr) Rainfall Depth (in)	3.4456	
Peak Intensity (in/hr)	1.755	
Peak Intensity (in/hr) Undeveloped Runoff Coefficient (Cu)	0.7054	
Developed Runoff Coefficient (Cd)	0.9	
Time of Concentration (min)	7.0	
Clear Peak Flow Rate (cfs)	1.2162	
Burned Peak Flow Rate (cfs)	1.2162	
24-Hr Clear Runoff Volume (ac-ft)	0.1973	
24-Hr Clear Runoff Volume (cu-ft)	8596.0882	
1.4 Hydrograph (Sixth Street F	PARC Streets: S1)	
1.4 Hydrograph (Sixth Street F	PARC Streets: S1)	
1.4	PARC Streets: S1)	
1.4 Hydrograph (Sixth Street F	PARC Streets: S1)	
1.4	PARC Streets: S1)	
1.2 -	PARC Streets: S1)	
1.4	PARC Streets: S1)	
1.2	PARC Streets: S1)	
1.4 1.2 1.0	PARC Streets: S1)	
1.4 1.2 1.0 $\frac{(s)}{2}$ 0.8	PARC Streets: S1)	
1.4 1.2 1.0 (g) 0.8 0.8 0.6 0.6	PARC Streets: S1)	
1.4 1.2 1.0 (§) 0.8 - (§) 8	PARC Streets: S1)	
1.4 1.2 1.0 (§) 0.8 0.8 0.6 -	PARC Streets: S1)	
1.4 1.2 1.0 (35) 0.8 (35) 0.6 0.6 0.4	PARC Streets: S1)	
1.4 1.2 1.0 (§) 0.8 0.8 0.6 -	PARC Streets: S1)	
1.4 1.2 1.0 (35) 0.8 (35) 0.6 0.6 0.4	PARC Streets: S1)	
$ \begin{array}{c} 1.4 \\ 1.2 \\ 1.0 \\ \hline \underbrace{300}{\text{U}} 0.8 \\ \hline \underbrace{300}{\text{U}} 0.6 \\ 0.4 \\ 0.2 \\ \end{array} $	PARC Streets: S1)	
1.4 1.2 1.0 $(s; 0.8)$ $(s; 0.6)$ 0.6 0.4	PARC Streets: S1)	

Input Parameters		
Project Name	Sixth Street PARC Streets	
Subarea ID	S2	
Area (ac)	0.49	
Flow Path Length (ft)	235.0	
Flow Path Slope (vft/hft)	0.004	
50-yr Rainfall Depth (in)	5.9	
Percent Impervious	1.0	
Soil Type	6	
Design Storm Frequency	5-yr	
Fire Factor	0	
LID	False	
LID	Faise	
Output Results		
Modeled (5-yr) Rainfall Depth (in)	3.4456	
Peak Intensity (in/hr)	1.755	
Undeveloped Runoff Coefficient (Cu)	0.7054	
Developed Runoff Coefficient (Cd)	0.9	
Time of Concentration (min)	7.0	
Clear Peak Flow Rate (cfs)	0.774	
Burned Peak Flow Rate (cfs)	0.774	
Durrey Fear Flow Nate (US)		
24-Hr Cloar Pupoff Volume (as ft)		
24-Hr Clear Runoff Volume (ac-ft)	0.1256	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)		
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	0.1256 5470.2379	
24-Hr Clear Runoff Volume (ac-ft)	0.1256 5470.2379	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) Hydrograph (Sixth Stre	0.1256 5470.2379	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.8 Hydrograph (Sixth Stre	0.1256 5470.2379	_
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) Hydrograph (Sixth Stre	0.1256 5470.2379	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.8 Hydrograph (Sixth Stre	0.1256 5470.2379	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.8 Hydrograph (Sixth Stre	0.1256 5470.2379	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.8 0.7	0.1256 5470.2379	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.8 0.7 0.6	0.1256 5470.2379	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.8 0.7	0.1256 5470.2379	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.8 0.7 0.6 0.5	0.1256 5470.2379	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.8 0.7 0.6 0.5	0.1256 5470.2379	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.8 0.7 0.6 0.5	0.1256 5470.2379	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.8 0.7 0.6 0.6 0.5 0.4	0.1256 5470.2379	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.8 0.7 0.6 0.5	0.1256 5470.2379	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.8 0.7 0.6 0.6 0.5 0.4	0.1256 5470.2379	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.8 0.7 0.6 0.6 0.5 0.4 0.3	0.1256 5470.2379	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.8 0.7 0.6 0.5 0.6 0.5 0.4	0.1256 5470.2379	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.8 0.7 0.6 0.6 0.5 0.4 0.3	0.1256 5470.2379	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.8 0.7 0.6 0.5 0.6 0.5 0.4 0.3 0.2	0.1256 5470.2379	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.8 0.7 0.6 0.6 0.5 0.4 0.3	0.1256 5470.2379	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.8 0.7 0.6 0.6 0.5 0.4 0.5 0.4 0.3 0.2	0.1256 5470.2379	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.8 0.7 0.6 0.5 0.6 0.5 0.4 0.3 0.2 0.1 0.1	0.1256 5470.2379	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.8 0.7 0.6 0.5 0.6 0.5 0.4 0.3 0.2	0.1256 5470.2379	

Input Parameters		
Project Name	Sixth Street PARC Streets	
Subarea ID	S3	
Area (ac)	2.64	
Flow Path Length (ft)	485.0	
Flow Path Slope (vft/hft)	0.0035	
50-yr Rainfall Depth (in)	5.9	
Percent Impervious	1.0	
Soil Type	6	
Design Storm Frequency	5-yr	
Fire Factor	0	
LID	False	
Output Results		
Modeled (5-yr) Rainfall Depth (in)	3.4456	
Peak Intensity (in/hr) Undeveloped Runoff Coefficient (Cu)	1.3623	
Undeveloped Runoff Coefficient (Cu)	0.652	
Developed Runoff Coefficient (Cd)	0.9	
Time of Concentration (min)	12.0	
Clear Peak Flow Rate (cfs)	3.2368	
Burned Peak Flow Rate (cfs)	3.2368	
24 Hr Cloar Pupoff Volume (as ft)	0 6766	
24-Hr Clear Runoff Volume (ac-ft)	0.6766 29472.3377	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	0.6766 29472.3377	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) Hydrograph (Sixth Stree	29472.3377	
24-Hr Clear Runoff Volume (ac-ft)	29472.3377	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 3.5 Hydrograph (Sixth Street	29472.3377	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) Hydrograph (Sixth Stree	29472.3377	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 3.5 Hydrograph (Sixth Stree	29472.3377	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 3.5 Hydrograph (Sixth Street	29472.3377	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 3.5 3.0	29472.3377	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 3.5 3.0 2.5	29472.3377	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 3.5 3.0 2.5 -	29472.3377	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 3.5 3.0 2.5 -	29472.3377	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 3.5 3.0 2.5 3.0 - 2.5 - 3.0 -	29472.3377	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 3.5 3.0 2.5	29472.3377	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 3.5 3.0 2.5 3.0 - 2.5 - 3.0 -	29472.3377	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 3.5 3.0 2.5 3.0 2.5 3.0 1.5	29472.3377	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 3.5 3.0 2.5 3.0 - 2.5 - 3.0 -	29472.3377	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 3.5 3.0 2.5 3.0 2.5 3.0 1.5	29472.3377	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 3.5 3.0 2.5 3.0 2.5 3.0 1.5	29472.3377	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 3.5 3.0 2.5 3.0 2.5 3.0 2.5 3.0 1.5 1.5 1.0	29472.3377	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 3.5 3.0 2.5 2.5 3.0 2.5 3.0 2.5 3.0 2.5 3.0 2.5 3.0 2.5 3.0 2.5 3.0 3.0 2.5 3.0 3.	29472.3377	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 3.5 3.0 2.5 3.0 2.5 1.5 1.5 1.0	29472.3377	

Input Parameters	
Project Name	Sixth Street PARC Streets
Subarea ID	S4
Area (ac)	1.43
Flow Path Length (ft)	245.0
Flow Path Slope (vft/hft)	0.008
50-yr Rainfall Depth (in)	5.9 0.69
Percent Impervious Soil Type	6
Design Storm Frequency	5-yr
Fire Factor	0
LID	False
Output Results	3.4456
Modeled (5-yr) Rainfall Depth (in)	1.755
Peak Intensity (in/hr) Undeveloped Runoff Coefficient (Cu)	0.7054
Developed Runoff Coefficient (Cd)	0.8397
Time of Concentration (min)	7.0
Clear Peak Flow Rate (cfs)	2.1073
Burned Peak Flow Rate (cfs)	2.1073
24-Hr Clear Runoff Volume (ac-ft)	0.2731
24-Hr Clear Runoff Volume (cu-ft)	11898.3164
2.5 Hydrograph (Six	th Street PARC Streets: S4)
2.0 -	
1.5 -	
	-
	-
-low (cfs)	
-low (cfs)	
-low (cfs)	
(sj) Mol 1.0 -	
-low (cfs)	
(sj) Mol 1.0 -	
(sj) Mol 1.0 -	
(st) MOL 1.0 0.5 -	
(st) Me 1.0 0.5 0.5 0.0 0 0 200 400 600	800 1000 1200 1400 1600 Fime (minutes)

File location: P:/20043/200-20043-17001/Docs/Reports/Hydrology and Hydraulics/Appendix C_HydroCalc Calculations/10-Year/Sixth Street PARC Reports/Hydrology and Hydraulics/Appendix C_HydroCalc 1.0.2

Input Parameters	
Project Name	Sixth Street PARC
Subarea ID	P1
Area (ac)	1.78
Flow Path Length (ft)	100.0
Flow Path Slope (vft/hft)	0.02
Flow Path Slope (vft/hft) 50-yr Rainfall Depth (in)	5.9
Percent Impervious	0.42
Soil Type	6
Design Storm Frequency	10-yr
Fire Factor	0
LID	False
Output Results	
Modeled (10-vr) Rainfall Depth (in)	4.2126
Peak Intensity (in/hr)	2.5134
Peak Intensity (in/hr) Undeveloped Runoff Coefficient (Cu) Developed Runoff Coefficient (Cd)	0.7881
Developed Runoff Coefficient (Cd)	0.8351
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	3.7361
Burned Peak Flow Rate (cfs)	3.7361
Burned Peak Flow Ratè (cfs) 24-Hr Clear Runoff Volume (ac-ft)	0.298
24-Hr Clear Runoff Volume (cu-ft)	12979.8446
Hydrograph (Sixth Street I	
4.0	
3.5 -	-
3.0	
2.5 -	
(s	
- 0.2 LIOw (cts)	
—	
1.5 -	
1.0 -	
0.5 -	/ \ 1
0.0	
0.0	
0.00 200 400 600 800 Time (minutes)	1000 1200 1400 1600

File location: P:/20043/200-20043-17001/Docs/Reports/Hydrology and Hydraulics/Appendix C_HydroCalc Calculations/10-Year/Sixth Street PARC Reports/Hydrology and Hydraulics/Appendix C_HydroCalc 1.0.2

Input Parameters	
Project Name	Sixth Street PARC
Subarea ID	P2
Area (ac)	0.19
Flow Path Length (ft)	100.0
Flow Path Slope (vft/hft)	0.02
Flow Path Slope (vft/hft) 50-yr Rainfall Depth (in)	5.9
Percent Impervious	0.05
Soil Type	6
Design Storm Frequency	10-yr
Fire Factor	0
LID	False
Output Results	
Modeled (10-yr) Rainfall Depth (in)	4.2126
Peak Intensity (in/hr) Undeveloped Runoff Coefficient (Cu) Developed Runoff Coefficient (Cd)	2.5134
Undeveloped Runoff Coefficient (Cu)	0.7881
Developed Runoff Coefficient (Cd)	0.7937
	5.0
Clear Peak Flow Rate (cfs)	0.379
Burnad Daak Flaw Data (afa)	0.379
builled Peak Flow Rale (CIS)	
Burned Peak Flow Rate (cfs) 24-Hr Clear Runoff Volume (ac-ft)	0.0141
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.40	0.0141 615.0034
24-Hr Clear Runoff Volume (cu-ft)	0.0141 615.0034
24-Hr Clear Runoff Volume (cu-ft) 0.40 Hydrograph (Sixth	0.0141 615.0034
24-Hr Clear Runoff Volume (cu-ft)	0.0141 615.0034
24-Hr Clear Runoff Volume (cu-ft) 0.40 0.35	0.0141 615.0034
24-Hr Clear Runoff Volume (cu-ft) 0.40 Hydrograph (Sixth	0.0141 615.0034
24-Hr Clear Runoff Volume (cu-ft) 0.40 0.35	0.0141 615.0034
24-Hr Clear Runoff Volume (cu-ft) 0.40 0.35	0.0141 615.0034
24-Hr Clear Runoff Volume (cu-ft) 0.40 0.35 0.30 0.25 -	0.0141 615.0034
24-Hr Clear Runoff Volume (cu-ft) 0.40 0.35 0.30 0.25 -	0.0141 615.0034
24-Hr Clear Runoff Volume (cu-ft) 0.40 0.35 0.30 0.25 -	0.0141 615.0034
24-Hr Clear Runoff Volume (cu-ft) 0.40 0.35 0.30 0.25 0.25	0.0141 615.0034
24-Hr Clear Runoff Volume (cu-ft) 0.40 0.35 0.30 0.25 -	0.0141 615.0034
24-Hr Clear Runoff Volume (cu-ft) 0.40 0.35 0.30 0.25 0.20 0.20	0.0141 615.0034
24-Hr Clear Runoff Volume (cu-ft) 0.40 0.35 0.30 0.25 0.25 0.20 0.15	0.0141 615.0034
24-Hr Clear Runoff Volume (cu-ft) 0.40 0.35 0.30 0.25 0.20 0.20	0.0141 615.0034
24-Hr Clear Runoff Volume (cu-ft) 0.40 0.35 0.30 0.25 0.25 0.20 0.15 0.10	0.0141 615.0034
24-Hr Clear Runoff Volume (cu-ft) 0.40 0.35 0.30 0.25 0.25 0.20 0.15	0.0141 615.0034
24-Hr Clear Runoff Volume (cu-ft) 0.40 0.35 0.30 0.25 0.20 0.15 0.10	0.0141 615.0034
24-Hr Clear Runoff Volume (cu-ft) 0.40 0.35 0.30 0.25 0.20 0.15 0.10 0.05 0.00	0.0141 615.0034 Street PARC: P2)
24-Hr Clear Runoff Volume (cu-ft) 0.40 0.35 0.30 0.25 0.25 0.20 0.15 0.10	0.0141 615.0034 Street PARC: P2)

Input Parameters	
Project Name	Sixth Street PARC
Subarea ID	P3
Area (ac)	0.2
Flow Path Length (ft)	100.0
Flow Path Slope (vft/hft)	0.02
50-yr Rainfall Depth (in)	5.9
Percent Impervious	0.65
Soil Type	6
Design Storm Frequency	10-yr
Fire Factor	0
LID	False
Output Results	
Modeled (10-yr) Rainfall Depth (in)	4.2126
Peak Intensity (in/hr)	2.5134
Undeveloped Runoff Coefficient (Cu)	0.7881
Developed Runoff Coefficient (Cd)	0.8608
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	0.4327
Burned Peak Flow Rate (cfs)	0.4327
24-Hr Clear Runoff Volume (ac-ft)	0.0451
24-Hr Clear Runoff Volume (cu-ft)	1962.568
Hydrograph (Sixth	Street PARC ⁻ P3)
0.45	
0.40 -	-
0.35 -	-
0.30 -	-
<u>ණ</u> 0.25 -	_
(s) 0.25 - S) 0.20 -	_
0.15 -	-
0.10 -	
0.05 -	
0.00 0 200 400 600 80	0 1000 1200 1400 1600
Time (m	

Input Parameters	
Project Name	Sixth Street PARC
Subarea ID	P4
Area (ac)	0.27
Flow Path Length (ft)	100.0
Flow Path Slope (vft/hft)	0.02
50-yr Rainfall Depth (in)	5.9
Percent Impervious	0.01
Soil Type	6
Design Storm Frequency	10-yr
Fire Factor LID	0 False
LID	Faise
Output Results	
Modeled (10-yr) Rainfall Depth (in)	4.2126
Peak Intensity (in/hr)	2.5134
Undeveloped Runoff Coefficient (Cu)	0.7881
Developed Runoff Coefficient (Cd)	0.7892
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	0.5356
Burned Peak Flow Rate (cfs)	0.5356
24-Hr Clear Runoff Volume (ac-ft)	0.0173
24-Hr Clear Runoff Volume (cu-ft)	755.5845
0.6 Hydrograph (Sixth	Street PARC: P4)
0.5	
0.4	
0.4	
E.0 (cts)	
0.3 -	
ž I	
0.2	-
0.2 -	
0.2 - 0.1 -	
0.2 - 0.1 -	
0.2 -	

Input Parameters		
Project Name	Sixth Street PARC	
Subarea ID	P5	
Area (ac)	0.19	
Flow Path Length (ft)	100.0	
Flow Path Slope (vft/hft)	0.02	
50-yr Rainfall Depth (in)	5.9	
Percent Impervious	0.05	
Soil Type	6	
Design Storm Frequency	10-yr	
Fire Factor	0	
LID	False	
Output Results		
Modeled (10-yr) Rainfall Depth (in)	4.2126	
Peak Intensity (in/hr)	2.5134	
Undeveloped Runoff Coefficient (Cu) Developed Runoff Coefficient (Cd)	0.7881	
Developed Runoff Coefficient (Cd)	0.7937	
Time of Concentration (min)	5.0	
Clear Peak Flow Rate (cfs)	0.379	
Burned Peak Flow Rate (cfs)	0.379	
Burned Peak Flow Rate (cfs) 24-Hr Clear Runoff Volume (ac-ft)	0.0141	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	0.0141 615.0034	
24-Hr Clear Runoff Volume (cu-ft)	615.0034	
24-Hr Clear Runoff Volume (cu-ft)	615.0034	
24-Hr Clear Runoff Volume (cu-ft) 0.40 Hydrograph (Sixth S	615.0034	
24-Hr Clear Runoff Volume (cu-ft)	615.0034	
24-Hr Clear Runoff Volume (cu-ft) 0.40 Hydrograph (Sixth S	615.0034	
24-Hr Clear Runoff Volume (cu-ft) 0.40 Hydrograph (Sixth S	615.0034	
24-Hr Clear Runoff Volume (cu-ft) 0.40 0.35	615.0034	
24-Hr Clear Runoff Volume (cu-ft) 0.40 0.35 0.30	615.0034	
24-Hr Clear Runoff Volume (cu-ft) 0.40 Hydrograph (Sixth S 0.35 - 0.30 - 0.25 -	615.0034	
24-Hr Clear Runoff Volume (cu-ft) 0.40 Hydrograph (Sixth S 0.35 - 0.30 - 0.25 -	615.0034	
24-Hr Clear Runoff Volume (cu-ft) 0.40 Hydrograph (Sixth S 0.35 - 0.30 - 0.25 -	615.0034	
24-Hr Clear Runoff Volume (cu-ft) 0.40 0.35 0.30 0.25 0.25	615.0034	
24-Hr Clear Runoff Volume (cu-ft) 0.40 0.35 0.30 0.25 0.25 0.20 -	615.0034	
24-Hr Clear Runoff Volume (cu-ft) 0.40 Hydrograph (Sixth S 0.35 - 0.30 - 0.25 -	615.0034	
24-Hr Clear Runoff Volume (cu-ft) 0.40 0.35 0.30 0.25 0.25 0.20 0.15	615.0034	
24-Hr Clear Runoff Volume (cu-ft) 0.40 0.35 0.30 0.25 0.25 0.20 -	615.0034	
24-Hr Clear Runoff Volume (cu-ft) 0.40 0.35 0.30 0.25 0.25 0.20 0.15	615.0034	
24-Hr Clear Runoff Volume (cu-ft) 0.40 0.35 0.30 0.25 0.25 0.20 0.15	615.0034	
24-Hr Clear Runoff Volume (cu-ft) 0.40 0.35 0.30 0.25 0.20 0.15 0.10	615.0034	
24-Hr Clear Runoff Volume (cu-ft) Hydrograph (Sixth S 0.35 0.30 0.25 0.20 0.15 0.10 0.05	615.0034	
24-Hr Clear Runoff Volume (cu-ft) 0.40 0.35 0.30 0.25 0.20 0.15 0.10	615.0034	

Input Parameters		
Project Name	Sixth Street PARC	
Subarea ID	P6	
Area (ac)	0.51	
Flow Path Length (ft)	100.0	
Flow Path Slope (vft/hft)	0.02	
50-yr Rainfall Depth (in)	5.9	
Percent Impervious	0.25	
Soil Type Design Storm Frequency	6 10-yr	
Fire Factor	0	
LID	False	
Output Results		
Modeled (10-yr) Rainfall Depth (in)	4.2126	
Peak Intensity (in/hr)	2.5134	
Undeveloped Runoff Coefficient (Cu)	0.7881	
Developed Runoff Coefficient (Cd)	0.8161	
Time of Concentration (min)	5.0	
Clear Peak Flow Rate (cfs)	1.0461	
Burned Peak Flow Rate (cfs) 24-Hr Clear Runoff Volume (ac-ft)	1.0461 0.0636	
24-Hr Clear Runoff Volume (cu-ft)		
24-Hr Clear Runoff Volume (cu-ft)	2768.7151	
24-Hr Clear Runoff Volume (cu-ft)		
24-Hr Clear Runoff Volume (cu-ft)	2768.7151	
24-Hr Clear Runoff Volume (cu-ft)	2768.7151	
24-Hr Clear Runoff Volume (cu-ft)	2768.7151	
24-Hr Clear Runoff Volume (cu-ft) Hydrograph (Sixth S	2768.7151	_
24-Hr Clear Runoff Volume (cu-ft)	2768.7151	
24-Hr Clear Runoff Volume (cu-ft) Hydrograph (Sixth S	2768.7151	
24-Hr Clear Runoff Volume (cu-ft) 1.2 1.0 1.0	2768.7151	
24-Hr Clear Runoff Volume (cu-ft) Hydrograph (Sixth S	2768.7151	
24-Hr Clear Runoff Volume (cu-ft) 1.2 1.0 0.8	2768.7151	
24-Hr Clear Runoff Volume (cu-ft) 1.2 1.0 0.8	2768.7151	
24-Hr Clear Runoff Volume (cu-ft) 1.2 1.0 0.8	2768.7151	
24-Hr Clear Runoff Volume (cu-ft) 1.2 1.0 0.8 $\widehat{\mathfrak{g}}$	2768.7151	
24-Hr Clear Runoff Volume (cu-ft) 1.2 1.0 0.8	2768.7151	
24-Hr Clear Runoff Volume (cu-ft) 1.2 1.0 0.8	2768.7151	
24-Hr Clear Runoff Volume (cu-ft) 1.2 1.0 0.8 (SU) 0.6 - - - - - - - - - - - - -	2768.7151	
24-Hr Clear Runoff Volume (cu-ft) 1.2 1.0 0.8 (SU) 0.6 - - - - - - - - - - - - -	2768.7151	
24-Hr Clear Runoff Volume (cu-ft) 1.2 1.0 0.8 - 0.6 - 0.4 -	2768.7151	
24-Hr Clear Runoff Volume (cu-ft) 1.2 1.0 0.8 (SU) 0.6 - - - - - - - - - - - - -	2768.7151	
24-Hr Clear Runoff Volume (cu-ft) 1.2 1.0 0.8 (SU) 0.6 0.4 -	2768.7151	
24-Hr Clear Runoff Volume (cu-ft) Hydrograph (Sixth S 1.0 1.0 0.8 0.6 0.4 0.2 -	2768.7151	
24-Hr Clear Runoff Volume (cu-ft) 1.2 1.0 0.8 0.6 0.4 0.4	2768.7151	0

Input Parameters	
Project Name	Sixth Street PARC
Subarea ID	P7
Area (ac)	0.15
Flow Path Length (ft)	100.0
Flow Path Slope (vft/hft)	0.02
50-yr Rainfall Depth (in)	5.9
Percent Impervious	0.06
Soil Type	6
Design Storm Frequency	10-yr
Fire Factor	0 False
	Faise
Output Results	
Modeled (10-yr) Rainfall Depth (in)	4.2126
Peak Intensity (in/hr)	2.5134
Undeveloped Runoff Coefficient (Cu)	0.7881
Developed Runoff Coefficient (Cd)	0.7948
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	0.2997
Burned Peak Flow Rate (cfs)	0.2997
24-Hr Clear Runoff Volume (ac-ft)	0.0115
24-Hr Clear Runoff Volume (cu-ft)	501.9689
0.30 Hydrograph (Sixth St	reet PARC: P7)
0.25 -	-
0.20 -	
(cts)	
(sj) 0.15 - 0.15	
0.10 -	-
0.05 -	
0.00 0 200 400 600 800	1000 1200 1400 1600
Time (minu	

Input Parame			
Project Name		Sixth Street PARC	
Subarea ID		P8	
Area (ac)		0.45	
Flow Path Ler	ngth (ft)	100.0	
Flow Path Slo	pe (vft/hft)	0.02	
50-yr Rainfall	Depth (in)	5.9	
Percent Impe	rvious	0.76	
Soil Type		6	
Design Storm	Frequency	10-yr	
Fire Factor		0	
LID		False	
Output Resu	lts		
Modeled (10-v	yr) Rainfall Depth (in)	4.2126	
Peak Intensity	(in/hr)	2.5134	
Undeveloped	Runoff Coefficient (Cu)	0.7881	
Developed Ru	unoff Coefficient (Cd)	0.8731	
Time of Conc	entration (min)	5.0	
Clear Peak Fl	ow Rate (cfs)	0.9875	
	Flow Rate (cfs)	0.9875	
Burned Peak		a <i>i i i</i> = =	
24-Hr Clear R	unoff Volume (ac-ft)	0.1138	
24-Hr Clear R	unoff Volume (ac-ft) unoff Volume (cu-ft)	0.1138 4958.2963	
24-Hr Clear R	unoff Volume (ac-ft) unoff Volume (cu-ft)		
24-Hr Clear R 24-Hr Clear R	unoff Volume (ac-ft) unoff Volume (cu-ft)	4958.2963	
24-Hr Clear R 24-Hr Clear R	unoff Volume (ac-ft) unoff Volume (cu-ft)	4958.2963	
24-Hr Clear R 24-Hr Clear R	unoff Volume (ac-ft) unoff Volume (cu-ft)	4958.2963	
24-Hr Clear R 24-Hr Clear R	unoff Volume (ac-ft) unoff Volume (cu-ft)	4958.2963	
24-Hr Clear R 24-Hr Clear R	unoff Volume (ac-ft) unoff Volume (cu-ft)	4958.2963	
24-Hr Clear R 24-Hr Clear R 1.0 0.8 0.8	unoff Volume (ac-ft) unoff Volume (cu-ft)	4958.2963	
24-Hr Clear R 24-Hr Clear R 1.0 0.8 0.8	unoff Volume (ac-ft) unoff Volume (cu-ft)	4958.2963	
24-Hr Clear R 24-Hr Clear R 1.0 0.8 0.8	unoff Volume (ac-ft) unoff Volume (cu-ft)	4958.2963	
24-Hr Clear R 24-Hr Clear R 1.0 0.8 0.8	unoff Volume (ac-ft) unoff Volume (cu-ft)	4958.2963	
24-Hr Clear R 24-Hr Clear R 1.0 0.8 0.8	unoff Volume (ac-ft) unoff Volume (cu-ft)	4958.2963	
24-Hr Clear R 24-Hr Clear R 1.0 0.8 0.8	unoff Volume (ac-ft) unoff Volume (cu-ft)	4958.2963	
24-Hr Clear R 24-Hr Clear R 1.0 0.8 0.8	unoff Volume (ac-ft) unoff Volume (cu-ft)	4958.2963	
24-Hr Clear R 24-Hr Clear R 1.0 0.8 0.8 0.6 0.6 0.6	unoff Volume (ac-ft) unoff Volume (cu-ft)	4958.2963	
24-Hr Clear R 24-Hr Clear R 1.0 0.8 0.8	unoff Volume (ac-ft) unoff Volume (cu-ft)	4958.2963	
24-Hr Clear R 24-Hr Clear R 1.0 0.8 0.8 0.6 0.6 0.6	unoff Volume (ac-ft) unoff Volume (cu-ft)	4958.2963	
24-Hr Clear R 24-Hr Clear R 1.0 0.8 0.8 0.6 0.6 0.6	unoff Volume (ac-ft) unoff Volume (cu-ft)	4958.2963	
24-Hr Clear R 24-Hr Clear R 1.0 0.8 0.6 (sg) 0.6 0.6 0.4 0.4	unoff Volume (ac-ft) unoff Volume (cu-ft)	4958.2963	
24-Hr Clear R 24-Hr Clear R 1.0 0.8 0.8 0.6 0.6 0.6	unoff Volume (cu-ft) Hydrograph (Sixtl	4958.2963	1600

Input Parameters	
Project Name	Sixth Street PARC
Subarea ID	P9
Area (ac)	1.44
Flow Path Length (ft)	100.0
Flow Path Slope (vft/hft)	0.02
50-yr Rainfall Depth (in)	5.9
Percent Impervious	0.43
Soil Type	6
Design Storm Frequency	10-yr
Fire Factor	0
LID	False
Output Results	
Modeled (10-yr) Rainfall Depth (in)	4.2126
Peak Intensity (in/hr) Undeveloped Runoff Coefficient (Cu)	2.5134
Undeveloped Runoff Coefficient (Cu)	0.7881
Developed Runoff Coefficient (Cd)	0.8362
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	3.0265
Burned Peak Flow Rate (cfs)	3.0265
24-Hr Clear Runoff Volume (ac-ft)	0.2447
24-Hr Clear Runoff Volume (cu-ft)	10658.3719
3.5 Hydrograph (Sixth	h Street PARC: P9)
3.5 Hydrograph (Sixth	h Street PARC: P9)
3.5 Hydrograph (Sixth	h Street PARC: P9)
3.5 Hydrograph (Sixth	h Street PARC: P9)
5.5	h Street PARC: P9)
3.0	h Street PARC: P9)
5.5	h Street PARC: P9)
3.0	h Street PARC: P9)
3.0 - 2.5 - 2.0 -	h Street PARC: P9)
3.0 - 2.5 - 2.0 -	h Street PARC: P9)
3.0 - 2.5 -	h Street PARC: P9)
3.0 3.0 2.5 - (<u>s</u>) 8	h Street PARC: P9)
3.0 - 2.5 - 2.0 -	h Street PARC: P9)
3.0 3.0 2.5 - (<u>s</u>) 8	h Street PARC: P9)
3.0 3.0 2.5 - (<u>s</u>) 8	h Street PARC: P9)
3.0 3.0 2.5 (g) 2.0 - Mol 1.5 -	h Street PARC: P9)
3.3 3.0 2.5 (§; 2.0 (§; 2.0 1.5 1.0	h Street PARC: P9)
3.0 3.0 2.5 (g) 2.0 - Mol 1.5 -	h Street PARC: P9)
3.5 3.0 2.5 (§) 2.0 1.5 1.0	h Street PARC: P9)
3.3 3.0 2.5 3.0 2.5 3.0 2.5 3.0 3.0 2.5 1.5 1.0 0.5 -	h Street PARC: P9)
3.3 3.0 2.5 3.0 2.5 3.0 2.5 1.5 1.0 0.5 0.0	h Street PARC: P9)

Input Parameters	
Project Name	Sixth Street PARC
Subarea ID	P10
Area (ac)	0.68
Flow Path Length (ft)	100.0
Flow Path Slope (vft/hft)	0.02
Flow Path Slope (vft/hft) 50-yr Rainfall Depth (in)	5.9
Percent Impervious	0.15
Soil Type	6
Design Storm Frequency	10-yr
Fire Factor	0
LID	False
Output Results Modeled (10-yr) Rainfall Depth (in)	4.2126
Peak Intensity (in/hr)	2.5134
Peak Intensity (in/hr) Undeveloped Runoff Coefficient (Cu)	0.7881
Developed Runoff Coefficient (Cd)	0.8049
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	1.3756
Burned Peak Flow Rate (cfs)	1.3756
Burned Peak Flow Ratè (cfs) 24-Hr Clear Runoff Volume (ac-ft)	0.0676
24-Hr Clear Runoff Volume (cu-ft)	2946.3424
1.4 Hydrograph (Sixth S	Street PARC: P10)
10	
1.2 -	
1.0	
<u>∞</u> 0.8	
(ct	
Cts) (cts) 0.0 L	
Ĕ 0.6 -	
0.4 -	1
0.2 -	
V.Z	// 1
0.0	
0 200 400 600 800	
Time (mi	inutes)

Input Parameters	
Project Name	Sixth Street PARC
Subarea ID	P11
Area (ac)	0.34
Flow Path Length (ft)	100.0
Flow Path Slope (vft/hft)	0.02
50-yr Rainfall Depth (in)	5.9
Percent Impervious	0.3
Soil Type	6
Design Storm Frequency	10-yr
Fire Factor LID	0 False
Output Results	
Modeled (10-yr) Rainfall Depth (in)	4.2126
Peak Intensity (in/hr)	2.5134
Peak Intensity (in/hr) Undeveloped Runoff Coefficient (Cu)	0.7881
Developed Runoff Coefficient (Cd)	0.8217
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	0.7022
Burned Peak Flow Rate (cfs)	0.7022
24-Hr Clear Runoff Volume (ac-ft)	0.0467
24-Hr Clear Runoff Volume (cu-ft)	2032.1295
Hydrograph (Sixth Street	
0.8 Hydrograph (Sixth Street	
0.7 -	1
0.7	
0.7 - 0.6 -	
0.6 -	
0.6 - 0.5 -	
0.6 - 0.5 -	
0.6 - 0.5 -	
0.6 0.5 <u><u></u>(<u>s</u>)</u>	
0.6 - 0.5 - (<u>\$5)</u> 0.4 -	
0.6 - 0.5 -	
0.6 - 0.5 - (<u>\$5)</u> 0.4 -	
0.6 - 0.5 - 0.5 - 0.4 - 0.3	
0.6 - 0.5 - 0.5 - 0.4 - 0.3 - 0.2	
0.6 - 0.5 - 0.5 - 0.4 - 0.3	
$\begin{array}{c} 0.6 \\ 0.5 \\ \hline \\ (s) \\ mol} \\ 0.4 \\ 0.3 \\ 0.2 \\ 0.1 \\ \end{array}$	
0.6 0.5 0.5 0.4 0.3 0.2	

Input Parameters	
Project Name	Sixth Street PARC
Subarea ID	P12
Area (ac)	0.47
Flow Path Length (ft)	100.0
Flow Path Slope (vft/hft)	0.02
50-yr Rainfall Depth (in)	5.9
Percent Impervious	0.01
Soil Type	6
Design Storm Frequency Fire Factor	10-yr 0
LID	False
LID	1 0150
Output Results	
Modeled (10-yr) Rainfall Depth (in)	4.2126
Peak Intensity (in/hr) Undeveloped Runoff Coefficient (Cu)	2.5134
Undeveloped Runoff Coefficient (Cu)	0.7881
Developed Runoff Coefficient (Cd)	0.7892
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	0.9323
Burned Peak Flow Rate (cfs)	0.9323
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	0.0302 1315.2767
	1313.2707
1.0 Hydrograph (Sixt	h Street PARC: P12)
0.8 -	
0.6 -	
	1
<u></u>	
Flow (cfs)	
[□] 0.4	
0.2	
0.0	
0.0 0 200 400 600 Time	800 1000 1200 1400 1600 (minutes)

Input Parameters		
Project Name	Sixth Street PARC	
Subarea ID	P13	
Area (ac)	0.02	
Flow Path Length (ft)	100.0	
Flow Path Slope (vft/hft)	0.02	
50-yr Rainfall Depth (in)	5.9	
Percent Impervious	0.01	
Soil Type	6	
Design Storm Frequency	10-yr	
Fire Factor	0	
LID	False	
Output Results		
Modeled (10-yr) Rainfall Depth (in)	4.2126	
Peak Intensity (in/hr)	2.5134	
Undeveloped Runoff Coefficient (Cu)	0.7881	
Developed Runoff Coefficient (Cd)	0.7892	
Time of Concentration (min)	5.0	
Clear Peak Flow Rate (cfs)	0.0397	
Burned Peak Flow Rate (cfs)	0.0397	
	0.0013	
24-Hr Clear Runoff Volume (ac-ft)		
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	55.9692	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)		
24-Hr Clear Runoff Volume (cu-ft)	55.9692	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 0.040 Hydrograph (Sixth Str	55.9692	
24-Hr Clear Runoff Volume (cu-ft)	55.9692	
24-Hr Clear Runoff Volume (cu-ft)	55.9692	
24-Hr Clear Runoff Volume (cu-ft) 0.040 Hydrograph (Sixth Str	55.9692	
24-Hr Clear Runoff Volume (cu-ft) 0.040 0.035	55.9692	
24-Hr Clear Runoff Volume (cu-ft) 0.040 Hydrograph (Sixth Str	55.9692	
24-Hr Clear Runoff Volume (cu-ft) 0.040 0.035	55.9692	
24-Hr Clear Runoff Volume (cu-ft) 0.040 0.035	55.9692	
24-Hr Clear Runoff Volume (cu-ft) 0.040 0.035 - 0.030 - 0.025 -	55.9692	
24-Hr Clear Runoff Volume (cu-ft) 0.040 0.035 - 0.030 - 0.025 -	55.9692	
24-Hr Clear Runoff Volume (cu-ft) 0.040 0.035 - 0.030 - 0.025 -	55.9692	
24-Hr Clear Runoff Volume (cu-ft) 0.040 0.035 0.035 0.030 0.025 0.025	55.9692	
24-Hr Clear Runoff Volume (cu-ft) 0.040 0.035 - 0.030 - 0.025 -	55.9692	
24-Hr Clear Runoff Volume (cu-ft) 0.040 0.035 0.035 0.030 0.025 0.025 0.020 -	55.9692	
24-Hr Clear Runoff Volume (cu-ft) 0.040 0.035 0.035 0.030 0.025 0.025 0.020 0.015 -	55.9692	
24-Hr Clear Runoff Volume (cu-ft) 0.040 0.035 0.035 0.030 0.025 0.025 0.020 -	55.9692	
24-Hr Clear Runoff Volume (cu-ft) 0.040 0.035 0.035 0.030 0.025 0.025 0.020 0.015 -	55.9692	
24-Hr Clear Runoff Volume (cu-ft) 0.040 0.035 0.035 0.030 0.025 0.025 0.020 0.015 -	55.9692	
24-Hr Clear Runoff Volume (cu-ft) 0.040 0.035 0.035 0.030 0.025 0.025 0.020 0.015 0.010 -	55.9692	
24-Hr Clear Runoff Volume (cu-ft) 0.040 0.035 0.035 0.030 0.025 0.025 0.020 0.015 0.015 0.010 0.005	55.9692	
24-Hr Clear Runoff Volume (cu-ft) 0.040 0.035 0.035 0.030 0.025 0.025 0.020 0.015 0.010 -	55.9692	

Input Parameters			
Project Name		Sixth Street Viaduct	
Subarea ID		V1	
Area (ac)		0.84	
Flow Path Length (ft)		225.0	
Flow Path Slope (vft/hft)		0.05	
50-yr Rainfall Depth (in)		5.9	
Percent Impervious		1.0	
Soil Type		6	
Design Storm Frequency		10-yr	
Fire Factor		0	
LID		False	
Output Results			
Modeled (10-yr) Rainfall Depth	n (in)	4.2126	
Peak Intensity (in/hr)		2.5134	
Undeveloped Runoff Coefficie	nt (Cu)	0.7881	
Developed Runoff Coefficient	(Cḋ)	0.9	
Time of Concentration (min)	. ,	5.0	
Clear Peak Flow Rate (cfs)		1.9001	
Burned Peak Flow Rate (cfs)		1.9001	
		0.0000	
24-Hr Clear Runoff Volume (a	c-ft)	0.2632	
24-Hr Clear Runoff Volume (a 24-Hr Clear Runoff Volume (c	c-ft) u-ft)	0.2632 11465.0158	
24-Hr Clear Runoff Volume (a 24-Hr Clear Runoff Volume (c	c-ft) u-ft) drograph (Sixth Street \	11465.0158	
24-Hr Clear Runoff Volume (a 24-Hr Clear Runoff Volume (c Hv	u-ft)	11465.0158	
24-Hr Clear Runoff Volume (a 24-Hr Clear Runoff Volume (c 2.0	u-ft)	11465.0158	
24-Hr Clear Runoff Volume (a 24-Hr Clear Runoff Volume (c 2.0	u-ft)	11465.0158	
24-Hr Clear Runoff Volume (a 24-Hr Clear Runoff Volume (c 2.0 1.5	u-ft)	11465.0158	
24-Hr Clear Runoff Volume (a 24-Hr Clear Runoff Volume (c 2.0 1.5	u-ft)	11465.0158	
24-Hr Clear Runoff Volume (a 24-Hr Clear Runoff Volume (c 2.0 1.5	u-ft)	11465.0158	
24-Hr Clear Runoff Volume (a 24-Hr Clear Runoff Volume (c 2.0 1.5	u-ft)	11465.0158	
24-Hr Clear Runoff Volume (a 24-Hr Clear Runoff Volume (c 2.0 1.5	u-ft)	11465.0158	
24-Hr Clear Runoff Volume (a 24-Hr Clear Runoff Volume (c 2.0 1.5	u-ft)	11465.0158	
24-Hr Clear Runoff Volume (a 24-Hr Clear Runoff Volume (c 2.0 1.5	u-ft)	11465.0158	
24-Hr Clear Runoff Volume (a 24-Hr Clear Runoff Volume (c 2.0 1.5 1.5 1.0	u-ft)	11465.0158	
24-Hr Clear Runoff Volume (a 24-Hr Clear Runoff Volume (c 2.0 1.5 1.5 1.0	u-ft)	11465.0158	
24-Hr Clear Runoff Volume (a 24-Hr Clear Runoff Volume (c 2.0 1.5 1.5 1.0	u-ft)	11465.0158	
24-Hr Clear Runoff Volume (a 24-Hr Clear Runoff Volume (c) 1.5 1.5 0.5	u-ft)	11465.0158	
24-Hr Clear Runoff Volume (a 24-Hr Clear Runoff Volume (c 2.0 1.5 1.5 1.0	u-ft)	11465.0158	1600

Input Parameters		
Project Name	Sixth Street Viaduct	
Subarea ID	V2	
Area (ac)	0.74	
Flow Path Length (ft)	250.0	
Flow Path Slope (vft/hft)	0.03	
50-yr Rainfall Depth (in)	5.9	
Percent Impervious	1.0	
Soil Type	6	
Design Storm Frequency	10-yr	
Fire Factor	0	
LID	False	
Output Results		
Modeled (10-yr) Rainfall Depth (in)	4.2126	
Peak Intensity (in/hr)	2.5134	
Undeveloped Runoff Coefficient (Cu)	0.7881	
Developed Runoff Coefficient (Cd)	0.9	
Time of Concentration (min)	5.0	
Clear Peak Flow Rate (cfs)	1.6739	
Burned Peak Flow Rate (cfs)	1.6739	
24-Hr Clear Runoff Volume (ac-ft)	0.2319	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	0.2319 10100.1329	
24-Hr Clear Runoff Volume (ac-ft)		
24-Hr Clear Runoff Volume (ac-ft)	10100.1329	_
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) Hvdrograph (Sixth S	10100.1329	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 1.8 1.6	10100.1329	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 1.8 1.6 1.4	10100.1329	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 1.8 1.6	10100.1329	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 1.8 1.6 1.6 1.4 1.2	10100.1329	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 1.8 1.6 1.6 1.4 1.2	10100.1329	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 1.8 1.6 1.6 1.4 1.2	10100.1329	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 1.8 1.6 1.6 1.4 1.2	10100.1329	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 1.8 1.6 1.6 1.4 1.2 (g) 1.0 0.8	10100.1329	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 1.8 1.6 1.6 1.4 1.2	10100.1329	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 1.8 1.6 1.6 1.4 1.2	10100.1329	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 1.8 1.6 1.6 1.4 1.2 (g) 1.0 0.8	10100.1329	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 1.8 1.6 1.6 1.4 1.2	10100.1329	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 1.8 1.8 1.6 1.4 1.4 1.2 (§ 1.0 0.8 0.6 0.4 -	10100.1329	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 1.8 1.6 1.6 1.4 1.2 $\frac{1}{50}$ 1.0 $\frac{1}{50}$ 0.8 0.6	10100.1329	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 1.8 1.8 1.6 1.4 1.4 1.2 $\frac{12}{12}$ $\frac{12}{10}$ $\frac{10}{10$	10100.1329	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 1.8 1.6 1.6 1.4 1.2 (§) 1.0 (§) 0.8 0.6 0.6 0.4	treet Viaduct: V2)	

Input Parameters		
Project Name	Sixth Street Viaduct	
Subarea ID	V3	
Area (ac)	0.58	
Flow Path Length (ft)	200.0	
Flow Path Slope (vft/hft)	0.01	
50-yr Rainfall Depth (in)	5.9	
Percent Impervious	1.0	
Soil Type	6	
Design Storm Frequency Fire Factor	10-yr 0	
LID	False	
Output Results		
Modeled (10-yr) Rainfall Depth (in)	4.2126	
Peak Intensity (in/hr) Undeveloped Runoff Coefficient (Cu)	2.5134	
Undeveloped Runott Coefficient (Cu)	0.7881	
Developed Runoff Coefficient (Cd)	0.9	
Time of Concentration (min)	5.0	
Clear Peak Flow Rate (cfs)	1.312	
Burned Peak Flow Rate (cfs) 24-Hr Clear Runoff Volume (ac-ft)	1.312 0.1817	
	U.IOI/	
24-Hr Clear Runoff Volume (cu-ft)	7916 3204	
24-Hr Clear Runoff Volume (cu-ft)	7916.3204	
24-Hr Clear Runoff Volume (cu-ft)		
24-Hr Clear Runoff Volume (cu-ft) Hydrograph (Sixth Stre		
24-Hr Clear Runoff Volume (cu-ft) Hydrograph (Sixth Streen in the stree		
24-Hr Clear Runoff Volume (cu-ft)		
24-Hr Clear Runoff Volume (cu-ft) Hydrograph (Sixth Streen in the stree		
24-Hr Clear Runoff Volume (cu-ft) Hydrograph (Sixth Street)		
24-Hr Clear Runoff Volume (cu-ft) 1.4 1.2 1.2		
24-Hr Clear Runoff Volume (cu-ft) Hydrograph (Sixth Streen 1.4 1.2 1.0 -		
24-Hr Clear Runoff Volume (cu-ft) 1.4 1.2 1.0 1.0		
24-Hr Clear Runoff Volume (cu-ft) 1.4 1.2 1.0 1.0		
24-Hr Clear Runoff Volume (cu-ft) Hydrograph (Sixth Streen 1.2 1.0 (g) 0.8 0.8		
24-Hr Clear Runoff Volume (cu-ft) Hydrograph (Sixth Streen 1.4 1.2 1.0 -		
24-Hr Clear Runoff Volume (cu-ft) Hydrograph (Sixth Streen 1.2 1.2 1.0 		
24-Hr Clear Runoff Volume (cu-ft) Hydrograph (Sixth Streen 1.4 1.2 1.0 (§) 0.8 0.8 0.6 -		
24-Hr Clear Runoff Volume (cu-ft) Hydrograph (Sixth Streen 1.2 1.2 1.0 		
24-Hr Clear Runoff Volume (cu-ft) Hydrograph (Sixth Streen 1.4 1.2 1.0 (§) 0.8 0.8 0.6 -		
24-Hr Clear Runoff Volume (cu-ft) Hydrograph (Sixth Streen 1.4 1.2 1.0 (§) 0.8 0.8 0.6 -		
24-Hr Clear Runoff Volume (cu-ft) Hydrograph (Sixth Streen 1.4 1.2 1.0		
24-Hr Clear Runoff Volume (cu-ft) 1.4 1.2 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0		
24-Hr Clear Runoff Volume (cu-ft) Hydrograph (Sixth Streen 1.2 1.0 1.0 0.8 0.8 0.6 0.4 -		

Input Parameters		
Project Name	Sixth Street Viaduct	
Subarea ID	V4	
Area (ac)	0.72	
Flow Path Length (ft)	250.0	
Flow Path Slope (vft/hft)	0.01	
50-yr Rainfall Depth (in)	5.9	
Percent Impervious	1.0	
Soil Type	6	
Design Storm Frequency Fire Factor	10-yr 0	
LID	False	
	1 0150	
Output Results		
Modeled (10-yr) Rainfall Depth (in)	4.2126	
Peak Intensity (in/hr)	2.307	
Peak Intensity (in/hr) Undeveloped Runoff Coefficient (Cu)	0.766	
Developed Runoff Coefficient (Cd)	0.9	
Time of Concentration (min)	6.0	
Clear Peak Flow Rate (cfs)	1.4949	
Burned Peak Flow Rate (cfs)	1.4949	
$0.1 \downarrow \mu O \downarrow \alpha \alpha \mu D \downarrow \mu \alpha \alpha \frac{4}{3} (1 - 1) $		
24-Hr Clear Runoff Volume (ac-ft)	0.2256	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	9827.1577	
24-Hr Clear Runoff Volume (cu-ft)	9827.1577	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 1.6 Hydrograph (Sixth St	9827.1577	
24-Hr Clear Runoff Volume (cu-ft)	9827.1577	
24-Hr Clear Runoff Volume (cu-ft)	9827.1577	
24-Hr Clear Runoff Volume (cu-ft) Hydrograph (Sixth St	9827.1577	
24-Hr Clear Runoff Volume (cu-ft) 1.6 1.4 1.4	9827.1577	
24-Hr Clear Runoff Volume (cu-ft) Hydrograph (Sixth St	9827.1577	
24-Hr Clear Runoff Volume (cu-ft) 1.6 1.4 1.4 1.2	9827.1577	
24-Hr Clear Runoff Volume (cu-ft) 1.6 1.4 1.4	9827.1577	
24-Hr Clear Runoff Volume (cu-ft) 1.6 1.4 1.2 1.0	9827.1577	
24-Hr Clear Runoff Volume (cu-ft) 1.6 1.4 1.2 1.0	9827.1577	
24-Hr Clear Runoff Volume (cu-ft) 1.6 1.4 1.2 1.0	9827.1577	
24-Hr Clear Runoff Volume (cu-ft) 1.6 1.4 1.4 1.2 1.0 (g) 0.8 -	9827.1577	
24-Hr Clear Runoff Volume (cu-ft) 1.6 1.4 1.2 1.0	9827.1577	
24-Hr Clear Runoff Volume (cu-ft) 1.6 1.4 1.2 1.0 1.0 1.0 1.0 0.8 0.8 0.6	9827.1577	
24-Hr Clear Runoff Volume (cu-ft) 1.6 1.4 1.4 1.2 1.0 (g) 0.8 -	9827.1577	
24-Hr Clear Runoff Volume (cu-ft) 1.6 1.4 1.2 1.0 1.0 1.0 1.0 0.8 0.8 0.6	9827.1577	
24-Hr Clear Runoff Volume (cu-ft) Hydrograph (Sixth St 1.4 1.2 1.0 0.8 0.6 0.4 -	9827.1577	
24-Hr Clear Runoff Volume (cu-ft) 1.6 1.4 1.2 1.0 1.0 1.0 1.0 0.8 0.8 0.6	9827.1577	
24-Hr Clear Runoff Volume (cu-ft) Hydrograph (Sixth St 1.4 1.4 1.2 1.0 0.8 0.8 0.6 0.4 0.2 -	9827.1577	
24-Hr Clear Runoff Volume (cu-ft) Hydrograph (Sixth St 1.4 1.2 1.0 0.8 0.6 0.4 -	9827.1577	

Input Parameters	
Project Name	Sixth Street Viaduct
Subarea ID	V5
Area (ac)	0.65
Flow Path Length (ft)	210.0
Flow Path Slope (vft/hft)	0.01
50-yr Rainfall Depth (in)	5.9
Percent Impervious	1.0
Soil Type	6
Design Storm Frequency	10-yr
Fire Factor	0
LID	False
Output Results	
Modeled (10-yr) Rainfall Depth (in)	4.2126
Peak Intensity (in/hr)	2.5134
Undeveloped Runoff Coefficient (Cu)	0.7881
Developed Runoff Coefficient (Cd)	0.9
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	1.4703
Burned Peak Flow Rate (cfs)	1.4703
24-Hr Clear Runoff Volume (ac-ft)	0.2037
24-Hr Clear Runoff Volume (cu-ft)	8871.7384
1.6 Hydrograph (Sixth Stre	et Viaduct: V5)
1.4 -	1
1.2 -	-
10	
1.0 -	
(sts)	
	-
0.6 -	1
0.4 -	
0.2	
0.2 -	
0.0	
0.0 0 200 400 600 800 Time (minute	1000 1200 1400 1600

Input Parameters	
Project Name	Sixth Street Viaduct
Subarea ID	V6
Area (ac)	0.69
Flow Path Length (ft)	210.0
Flow Path Slope (vft/hft)	0.01
50-yr Rainfall Depth (in)	5.9
Percent Impervious	1.0
Soil Type	6
Design Storm Frequency	10-yr
Fire Factor	0
LID	False
Output Results	
Modeled (10-vr) Rainfall Depth (in)	4.2126
Peak Intensity (in/hr)	2.5134
Peak Intensity (in/hr) Undeveloped Runoff Coefficient (Cu)	0.7881
Developed Runoff Coefficient (Cd)	0.9
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	1.5608
Burned Peak Flow Rate (cfs)	1.5608
24-Hr Clear Runoff Volume (ac-ft)	0.2162
24-Hr Clear Runoff Volume (cu-ft)	9417.6915
Hydrograph (Sixth S	treet Viaduct: V6)
1.4 -	
1.2 -	
1.2	
1.0 -	
(in the second s	
- 8.0 (cts)	
0.6 -	
0.4	
0.2 -	
0.0 0 200 400 600 800	
0 000 400 000 000	1000 1000 1100 1000
0.00 200 400 600 800 Time (mi	

Input Parameters		
Project Name	Sixth Street Viaduct	
Subarea ID	V7	
Area (ac)	0.69	
Flow Path Length (ft)	210.0	
Flow Path Slope (vft/hft)	0.01	
50-yr Rainfall Depth (in)	5.9	
Percent Impervious	1.0	
Soil Type	6	
Design Storm Frequency	10-yr	
Fire Factor	0	
LID	False	
Output Results		
Modeled (10-yr) Rainfall Depth (in)	4.2126	
Peak Intensity (in/hr)	2.5134	
Undeveloped Runoff Coefficient (Cu)	0.7881	
Developed Runoff Coefficient (Cd)	0.9	
Time of Concentration (min)	5.0	
Clear Peak Flow Rate (cfs)	1.5608	
Burned Peak Flow Rate (cfs)	1.5608	
24-Hr Clear Runoff Volume (ac-ft)	0.2162	
24-Hr Clear Runoff Volume (cu-ft)	9417.6915	
1.6 Hydrograph (Sixth Stre	eet Viaduct: V7)	
1.6 Hydrograph (Sixth Stre	et Viaduct: V7)	
	eet Viaduct: V7)	
1.6 Hydrograph (Sixth Stre	eet Viaduct: V7)	
	eet Viaduct: V7)	
1.4	et Viaduct: V7)	
	eet Viaduct: V7)	
1.4 1.2	eet Viaduct: V7)	
1.4	eet Viaduct: V7)	
1.4 1.2 1.0	eet Viaduct: V7)	
1.4 1.2 1.0	eet Viaduct: V7)	
1.4 1.2 1.0	eet Viaduct: V7)	
1.0 1.4 1.2 1.0 (\$j) moli	eet Viaduct: V7)	
1.4 1.2 1.0	eet Viaduct: V7)	
1.0 1.4 1.2 1.0 (SD) NO 0.8 0.8 - 0.6 -	eet Viaduct: V7)	
1.0 1.4 1.2 1.0 (\$) \$) \$0.8 -	eet Viaduct: V7)	
1.0 1.4 1.2 1.0 $\frac{(sb)}{MO} = 0.8$ 0.6	eet Viaduct: V7)	
$\begin{array}{c} 1.6 \\ 1.4 \\ 1.2 \\ - \\ 1.0 \\ - \\ \hline \begin{array}{c} (s_{D}) \\ MO \\ H \\ 0.8 \\ - \\ 0.6 \\ - \\ 0.4 \\ - \end{array}$	eet Viaduct: V7)	
1.0 1.4 1.2 1.0 $\frac{(sb)}{MO} = 0.8$ 0.6	eet Viaduct: V7)	
$\begin{array}{c} 1.6 \\ 1.4 \\ 1.2 \\ - \\ 1.0 \\ - \\ \hline \begin{array}{c} (s_{1}) \\ s_{2} \\ s_{3} $	eet Viaduct: V7)	
$\begin{array}{c} 1.6 \\ 1.4 \\ 1.2 \\ - \\ 1.0 \\ - \\ \hline \begin{array}{c} (s_{D}) \\ MO \\ H \\ \end{array} \\ 0.8 \\ - \\ 0.6 \\ - \\ 0.4 \\ - \end{array}$	eet Viaduct: V7)	

Input Parameters	
Project Name	Sixth Street Viaduct
Subarea ID	V8
Area (ac)	0.69
Flow Path Length (ft)	210.0
Flow Path Slope (vft/hft)	0.01
50-yr Rainfall Depth (in)	5.9
Percent Impervious	1.0
Soil Type	6
Design Storm Frequency	10-yr
Fire Factor	0
LID	False
Output Results	
Modeled (10-yr) Rainfall Depth (in)	4.2126
Peak Intensity (in/hr)	2.5134
Peak Intensity (in/hr) Undeveloped Runoff Coefficient (Cu)	0.7881
Developed Runoff Coefficient (Cd)	0.9
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	1.5608
Burned Peak Flow Rate (cfs)	1.5608
24-Hr Clear Runoff Volume (ac-ft)	0.2162
24-Hr Clear Runoff Volume (cu-ft)	9417.6915
1.6 Hydrograph (Sixth Str	reet Viaduct: V8)
1.4	
1.4 -	
1.2 -	-
1.0 -	
– 8.0 (cts)	
≥ 0.8 -	-
0.6	
0.0	
0.4 -	
	/
0.2	
v.z	
0.0 0 200 400 600 800	1000 1200 1400 1600
0 200 400 800 Time (min	
nme (mini	

Input Parameters	
Project Name	Sixth Street Viaduct
Subarea ID	V9
Area (ac)	0.69
Flow Path Length (ft)	210.0
Flow Path Slope (vft/hft)	0.01
50-yr Rainfall Depth (in)	5.9
Percent Impervious	1.0
	6
Design Storm Frequency Fire Factor	10-yr
LID	0 False
Output Results	
Modeled (10-yr) Rainfall Depth (in)	4.2126
Peak Intensity (in/hr) Undeveloped Runoff Coefficient (Cu)	2.5134
Undeveloped Runott Coefficient (Cu)	0.7881
Developed Runoff Coefficient (Cd)	0.9
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	1.5608 1.5608
Burned Peak Flow Rate (cfs) 24-Hr Clear Runoff Volume (ac-ft)	0.2162
24-Hr Clear Runoff Volume (ac-ft)	9417.6915
	0100
1.6 Hydrograph (Sixth Str	
1.4 -	-
1.2 -	
1.2 -	
1.0 -	
<u>(</u> 2)	
- 8.0 (cts)	
0.6 -	
0.4	
	/
0.2	
0.2 -	
0.0 0 200 400 600 800	1000 1200 1400 1600
0 200 400 600 800 Time (minu	
nine (minu	160)

Input Parameters	
Project Name	Sixth Street Viaduct
Subarea ID	V10
Area (ac)	0.64
Flow Path Length (ft)	200.0
Flow Path Slope (vft/hft)	0.01
50-yr Rainfall Depth (in)	5.9
Percent Impervious	1.0
Soil Type	6
Design Storm Frequency	10-yr
Fire Factor	0
LID	False
Output Results	
Modeled (10-yr) Rainfall Depth (in)	4.2126
Peak Intensity (in/hr)	2.5134
Undeveloped Runoff Coefficient (Cu)	0.7881
Developed Runoff Coefficient (Cd)	0.9
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	1.4477
Burned Peak Flow Rate (cfs)	1.4477
24-Hr Clear Runoff Volume (ac-ft)	0.2005
24-Hr Clear Runoff Volume (cu-ft)	8735.2501
1.6 Hydrograph (Sixth S	Street Viaduct: V10)
1.4 -	
1.2 -	
1.0 -	
(ŝ	
[™] > 0.8	
- 8.0 (cts)	
0.6 -	
0.4	
0.4	// 1
0.2	
0.2 0.0 0 200 400 600 80 Time (m	

Input Parameters	
Project Name	Sixth Street PARC Streets
Subarea ID	S1
Area (ac)	0.77
Flow Path Length (ft)	275.0
Flow Path Slope (vft/hft)	0.01
50-yr Rainfall Depth (in)	5.9
Percent Impervious	1.0
Soil Type	6
Design Storm Frequency	10-yr
Fire Factor	0
LID	False
Output Results	
Modeled (10-yr) Rainfall Depth (in)	4.2126
Peak Intensity (in/hr)	2.307
Undeveloped Runoff Coefficient (Cu)	0.766
Developed Runoff Coefficient (Cd)	0.9
Time of Concentration (min)	6.0
Clear Peak Flow Rate (cfs)	1.5987
Burned Peak Flow Rate (cfs)	1.5987
Durreu i car i low i ale (013)	1.0301
24-Hr Clear Runoff Volume (ac-ft)	
24-Hr Clear Runoff Volume (ac-ft)	0.2413
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) Hydrograph (Sixth	0.2413 10509.5992
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	0.2413
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) Hydrograph (Sixth	0.2413 10509.5992
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) Hydrograph (Sixth	0.2413 10509.5992
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 1.6 Hydrograph (Sixth	0.2413 10509.5992
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 1.6 1.4	0.2413 10509.5992
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 1.6 Hydrograph (Sixth	0.2413 10509.5992
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 1.6 1.4	0.2413 10509.5992
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 1.6 1.4 1.4 1.2	0.2413 10509.5992
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 1.6 1.4 1.2 1.0	0.2413 10509.5992
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 1.6 1.4 1.2 1.0	0.2413 10509.5992
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 1.6 1.4 1.2 1.0	0.2413 10509.5992
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 1.6 1.4 1.2 1.0	0.2413 10509.5992
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 1.6 1.4 1.2 1.0 0.8 0.8	0.2413 10509.5992
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 1.6 1.4 1.2 1.0	0.2413 10509.5992
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 1.6 1.4 1.2 1.0 0.8 0.8	0.2413 10509.5992
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 1.6 1.4 1.2 1.0 0.8 0.8 0.6	0.2413 10509.5992
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 1.6 1.4 1.2 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	0.2413 10509.5992
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 1.6 1.4 1.2 1.0 0.8 0.6 0.4	0.2413 10509.5992
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 1.6 1.4 1.2 1.0 0.8 0.8 0.6	0.2413 10509.5992
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 1.6 1.4 1.2 1.0 0.8 0.6 0.4	0.2413 10509.5992
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) $1.6 \qquad Hydrograph (Sixth)$	0.2413 10509.5992
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 1.6 1.4 1.2 1.0 0.8 0.6 0.4	0.2413 10509.5992

Input Parameters			
Project Name		Sixth Street PAR	C Streets
Subarea ID		S2	
Area (ac)		0.49	
Flow Path Length (f	it)	235.0	
Flow Path Slope (vf	it/hft)	0.004	
50-yr Rainfall Depth	າ (in)	5.9	
Percent Impervious		1.0	
Soil Type		6	
Design Storm Frequence	Jency	10-yr	
Fire Factor		0	
LID		False	
Output Results			
Modeled (10-yr) Ra	infall Depth (in)	4.2126	
Peak Intensity (in/h	r)	2.307	
Undeveloped Runo	ff Coefficient (Cu)	0.766	
Developed Runoff (Coefficient (Cd)	0.9	
Time of Concentrat	ion (min)	6.0	
Clear Peak Flow Ra	ate (cfs)	1.0174	
Burned Peak Flow	Rate (cfs)	1.0174	
24-Hr Clear Runoff	Volume (ac-ft)	0.1535	
24-Hr Clear Runoff		6687.9268	
1.2	Hydrograph (Sixth Stree	t PARC Streets: S2)	
1.0		1	-
0.8			_
0.8 -			-
			-
			-
cfs)			-
– 6.0 –			-
– 6.0 –			-
– 6.0 –			
(st) 0.6 - - - - - - - - - - - - -			
– 6.0 –			
(st) 0.6 - - - - - - - - - - - - -			
(sj) 0.6 - 0.4 - 0.2 -			
(st) 0.6 Elow (cts) 0.4 -	D 400 600 800		0 1600

Input Parameters	
Project Name	Sixth Street PARC Streets
Subarea ID	S3
Area (ac)	2.64
Flow Path Length (ft)	485.0
Flow Path Slope (vft/hft)	0.0035
50-yr Rainfall Depth (in)	5.9
Percent Impervious	1.0
Soil Type	6
Design Storm Frequency	10-yr
Fire Factor	0
LID	False
Output Results Modeled (10-yr) Rainfall Depth (in)	4.2126
Peak Intensity (in/hr)	1.8146
Undeveloped Runoff Coefficient (Cu)	0.7119
Doveloped Rupoff Coefficient (Cd)	0.9
Developed Runoff Coefficient (Cd)	
Time of Concentration (min)	10.0 4.3114
Clear Peak Flow Rate (cfs)	
Burned Peak Flow Rate (cfs)	4.3114
24-Hr Clear Runoff Volume (ac-ft)	0.8272
24-Hr Clear Runoff Volume (cu-ft)	36032.9407
24-Hr Clear Runoff Volume (cu-ft)	
24-Hr Clear Runoff Volume (cu-ft)	36032.9407
24-Hr Clear Runoff Volume (cu-ft) 4.5 4.0	36032.9407
24-Hr Clear Runoff Volume (cu-ft) 4.5	36032.9407
24-Hr Clear Runoff Volume (cu-ft) 4.5 4.0	36032.9407
24-Hr Clear Runoff Volume (cu-ft) 4.5 4.0 3.5	36032.9407
24-Hr Clear Runoff Volume (cu-ft) 4.5 4.0 3.5 - 3.0	36032.9407
24-Hr Clear Runoff Volume (cu-ft) 4.5 4.0 3.5 - 3.0	36032.9407
24-Hr Clear Runoff Volume (cu-ft) 4.5 4.0 3.5 - 3.0	36032.9407
24-Hr Clear Runoff Volume (cu-ft) 4.5 4.0 3.5 - 3.0	36032.9407
24-Hr Clear Runoff Volume (cu-ft) 4.5 4.0 3.5 - 3.0 - (g) 2.5 2.0 -	36032.9407
24-Hr Clear Runoff Volume (cu-ft) 4.5 4.0 3.5 - 3.0	36032.9407
24-Hr Clear Runoff Volume (cu-ft) 4.5 4.0 3.5 - 3.0 - (g) 2.5 2.0 -	36032.9407
24-Hr Clear Runoff Volume (cu-ft) 4.5 4.0 3.5 - 3.0 - 3.0 - 3.0 - 3.0 - 1.5 -	36032.9407
24-Hr Clear Runoff Volume (cu-ft) 4.5 4.0 3.5 - 3.0 - (g) 2.5 2.0 -	36032.9407
24-Hr Clear Runoff Volume (cu-ft) 4.5 4.0 3.5 3.0 (g) 2.5 2.5 1.5 1.0 -	36032.9407
24-Hr Clear Runoff Volume (cu-ft) 4.5 4.0 3.5 - 3.0 - 3.0 - 3.5 - 3.0 - 1.5 -	36032.9407
24-Hr Clear Runoff Volume (cu-ft) 4.5 4.0 3.5 3.0 (g) 2.5 2.5 1.5 1.0 0.5	36032.9407
24-Hr Clear Runoff Volume (cu-ft) 4.5 4.0 3.5 3.0 (g) 2.5 2.0 1.5 1.0 -	36032.9407

Instant Deserve	- 1		
Input Param			
Project Nam	e	Sixth Street PAR	C Streets
Subarea ID		S4	
Area (ac)		1.43	
Flow Path Length (ft)		245.0	
Flow Path Slope (vft/hft)		0.008	
50-yr Rainfal	I Depth (in)	5.9	
Percent Impe	ervious	0.69	
Soil Type		6	
Design Storr	n Frequency	10-yr	
Fire Factor		0	
LID		False	
Output Res	ults		
Modeled (10	-yr) Rainfall Depth (in)	4.2126	
Peak Intensi	tý (in/hr)	2.307	
Undeveloped	tý (in/hr) J Runoff Coefficient (Cu)	0.766	
Developed F	Runoff Coefficient (Cd)	0.8585	
Time of Con	centration (min)	6.0	
Clear Peak F	Flow Rate (cfs)	2.832	
Burned Peal	Flow Rate (cfs)	2.832	
24-Hr Clear	Runoff Volume (ac-ft)	0.3365	
	Runoff Volume (cu-ft)		
		14656.6454	
3.0		eet PARC Streets: S4)	
3.0			
3.0			
3.0			
3.0			
3.0 2.5 2.0			
3.0 2.5 2.0			
3.0 2.5 2.0			
3.0 2.5 2.0 - <u>\$</u>			
3.0 2.5 2.0			
3.0 2.5 2.0			
3.0 2.5 2.0 - (\$j5) Moj			
3.0 2.5 2.0 - (\$j5) Moj			
3.0 2.5 2.0 - (\$5) MOL 1.5 - 1.0			
3.0 2.5 2.0 - (\$j5) Moj			
3.0 2.5 2.0 - (\$5) MOL 1.5 - 1.0			
3.0 2.5 2.0 - (st) mol 1.5 - 1.0 - 0.5			
3.0 2.5 2.0 - (\$5) MOL 1.5 - 1.0		eet PARC Streets: S4)	

Input Parameters	
Project Name	Sixth Street PARC
Subarea ID	P1
Area (ac)	1.78
Flow Path Length (ft)	100.0
Flow Path Slope (vft/hft)	0.02
50-yr Rainfall Depth (in)	5.9
Percent Impervious	0.42
Soil Type	6
Design Storm Frequency	25-yr
Fire Factor	0
LID	False
Output Results	
Modeled (25-yr) Rainfall Depth (in)	5.1802
Peak Intensity (in/hr) Undeveloped Runoff Coefficient (Cu)	3.0906
Undeveloped Runoff Coefficient (Cu)	0.8286
Developed Runoff Coefficient (Cd)	0.8586
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	4.7235
Burned Peak Flow Rate (cfs)	4.7235
24-Hr Clear Runoff Volume (ac-ft)	0.3757
24-Hr Clear Runoff Volume (cu-ft)	16366.0229
5 Hydrograph (Sixth Str	eet PARC: P1)
4	-
³ −	-
cts	
Flow (cfs)	
음 J	
<u> </u>	
1	
1	// 1
0 0 200 400 600 800 Time (minut	1000 1200 1400 1600

Input Paramete	ers		
Project Name		Sixth Street P	ARC
Subarea ID		P2	
Area (ac)		0.19	
Flow Path Length (ft)		100.0	
Flow Path Slope (vft/hft)		0.02 5.9	
50-yr Rainfall D	50-yr Rainfall Depth (in)		
Percent Imperv	ious	0.05	
Soil Type		6	
Design Storm F	requency	25-yr	
Fire Factor		0	
LID		False	
Output Results	s) Rainfall Depth (in)	5.1802	
Peak Intensity (in/hr)	3.0906	
Undeveloped R	unoff Coefficient (Cu)	0.8286	
Developed Run	off Coefficient (Cd)	0.8322	
Time of Concer	ntration (min)	5.0	
Clear Peak Flow	w Rate (cfs)	0.4887	
Burned Peak Fl	ow Rate (cfs)	0.4887	
24-Hr Clear Ru	noff Volume (ac-ft)	0.019	
Burned Peak Flow Rate (cfs) 24-Hr Clear Runoff Volume (ac-ft)			
24-Hr Clear Ru	noff Volume (cu-ft)	827.0403	
24-Hr Clear Ru	noff Volume (cu-ft) Hydrograph (Sixth	827.0403	
24-Hr Clear Ru	noff Volume (cu-ft)	827.0403	· · · · · · · · · · · · · · · · · · ·
24-Hr Clear Ru	noff Volume (cu-ft)	827.0403	
0.5	noff Volume (cu-ft)	827.0403	
0.5	noff Volume (cu-ft)	827.0403	
24-Hr Clear Ru	noff Volume (cu-ft)	827.0403	
0.5 0.4 0.4	noff Volume (cu-ft)	827.0403	
0.5 0.4 0.4	noff Volume (cu-ft)	827.0403	
0.5 0.4 0.4	noff Volume (cu-ft)	827.0403	
24-Hr Clear Ru	noff Volume (cu-ft)	827.0403	
0.5 0.4 0.4 0.3	noff Volume (cu-ft)	827.0403	
0.5 0.4 0.4 0.3	noff Volume (cu-ft)	827.0403	
0.5 0.4 0.3 0.2	noff Volume (cu-ft)	827.0403	
0.5 0.4 0.4 0.3	noff Volume (cu-ft)	827.0403	
0.5 0.4 0.3 0.2	noff Volume (cu-ft)	827.0403	
24-Hr Clear Ru 0.5 0.4 (\$5) 0.3 0.2	noff Volume (cu-ft)	827.0403	
0.5 0.4 0.4 0.2 0.1	noff Volume (cu-ft)	827.0403	
0.5 0.4 0.3 0.2	noff Volume (cu-ft)	Street PARC: P2)	1400 1600

Input Parameters	
Project Name	Sixth Street PARC
Subarea ID	P3
Area (ac)	0.2
Flow Path Length (ft)	100.0
Flow Path Slope (vft/hft)	0.02
50-yr Rainfall Depth (in)	5.9
Percent Impervious	0.65
Soil Type	6
Design Storm Frequency	25-yr
Fire Factor	0 False
	Faise
Output Results	
Modeled (25-yr) Rainfall Depth (in)	5.1802
Peak Intensity (in/hr)	3.0906
Undeveloped Runoff Coefficient (Cu)	0.8286
Developed Runoff Coefficient (Cd)	0.875
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	0.5409
Burned Peak Flow Rate (cfs)	0.5409
24-Hr Clear Runoff Volume (ac-ft)	0.056
24-Hr Clear Runoff Volume (cu-ft)	2440.8015
0.6 Hydrograph (Sixt	h Street PARC: P3)
0.5 -	
0.4	
(a)	
- C12 E0.0 -	
8 0.0	
□	
0.2	
0.2 -	1
0.1 -	
	4000 4000 4000 4000
	800 1000 1200 1400 1600 (minutes)

Input Parameters	
Project Name	Sixth Street PARC
Subarea ID	P4
Area (ac)	0.27
Flow Þath Length (ft)	100.0
Flow Path Slope (vft/hft)	0.02
50-yr Rainfall Depth (in)	5.9
Percent Impervious	0.01
Soil Type	6
Design Storm Frequency	25-yr
Fire Factor	0
LID	False
Output Results	
Modeled (25-vr) Rainfall Depth (in)	5.1802
Peak Intensity (in/hr)	3.0906
Undeveloped Runoff Coefficient (Cu)	0.8286
Developed Runoff Coefficient (Cd)	0.8294
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	0.6921
Burned Peak Flow Rate (cfs) 24-Hr Clear Runoff Volume (ac-ft)	0.6921
24-Hr Clear Runoff Volume (ac-ft)	0.0237
24-Hr Clear Runoff Volume (cu-ft)	1033.9469
0.7 Hydrograph (Sixth Stre	eet PARC: P4)
0.7 Hydrograph (Sixth Stre	eet PARC: P4)
0.7	eet PARC: P4)
0.7 Hydrograph (Sixth Stree	eet PARC: P4)
0.7	eet PARC: P4)
0.7	eet PARC: P4)
0.6	eet PARC: P4)
0.6	eet PARC: P4)
0.6 - 0.5 - 0.4 -	eet PARC: P4)
0.6 - 0.5 - 0.1 -	eet PARC: P4)
0.7 0.6 0.5 - <u>(s)</u> 0.4 -	eet PARC: P4)
0.6	eet PARC: P4)
0.7 0.6 0.5 - <u>(s)</u> 0.4 -	eet PARC: P4)
0.7 0.6 0.5 - <u>(system)</u> 0.4 <u>Bo</u> 0.3 -	eet PARC: P4)
0.7 0.6 0.5 - <u>(s)</u> 0.4 -	eet PARC: P4)
0.7 0.6 0.5 - <u>(system)</u> 0.4 <u>Bo</u> 0.3 -	eet PARC: P4)
0.7 0.6 0.5 0.5 0.4 0.3 0.2 0.2	eet PARC: P4)
0.7 0.6 0.5 - <u>(s</u>) 0.4 - <u>(s</u>) 0.4 - <u>(s</u>) 0.3 -	eet PARC: P4)
0.7 0.6 0.5 - <u>(s</u>) 0.4 - <u>(s</u>) 0.3 - 0.2 -	eet PARC: P4)
0.7 0.6 0.5 - (§) 0.4 - (§) 0.3 - 0.2 -	eet PARC: P4)

Input Parame	ters		
Project Name		Sixth Street PA	RC
Subarea ID		P5	
Area (ac)		0.19	
Flow Path Length (ft)		100.0	
Flow Path Slope (vft/hft)		0.02	
50-yr Rainfall I	Depth (in)	5.9	
Percent Imper	vious	0.05	
Soil Type		6	
Design Storm	Frequency	25-yr	
Fire Factor		0	
LID		False	
Output Resul	t s r) Rainfall Depth (in)	5.1802	
Peak Intensity	(in/hr)	3.0906	
Undeveloped I	(in/hr) Runoff Coefficient (Cu)	0.8286	
Developed Ru	noff Coefficient (Cd)	0.8322	
Time of Conce	entration (min)	5.0	
Clear Peak Flo	ow Rate (cfs)	0.4887	
Rurned Dook	Iow Pato (cfs)	0.4887	
Burned Peak Flow Rate (cfs) 24-Hr Clear Runoff Volume (ac-ft)			
24-Hr Clear R	unoff Volume (ac-ft)	0.019	
24-Hr Clear Ri 24-Hr Clear Ri	unoff Volume (ac-ft) unoff Volume (cu-ft)		
24-Hr Clear Ri 24-Hr Clear Ri	unoff Volume (cu-ft)	0.019	,
24-Hr Clear Ru	unoff Volume (cu-ft)	0.019 827.0403	,
24-Hr Clear Ru	unoff Volume (cu-ft)	0.019 827.0403	•
24-Hr Clear Ru	unoff Volume (cu-ft)	0.019 827.0403	·
24-Hr Clear Ru	unoff Volume (cu-ft)	0.019 827.0403	
24-Hr Clear Ru 0.5 0.4	unoff Volume (cu-ft)	0.019 827.0403	
24-Hr Clear Ru 0.5 0.4 - 0.3	unoff Volume (cu-ft)	0.019 827.0403	
24-Hr Clear Ru 0.5 0.4 - 0.3	unoff Volume (cu-ft)	0.019 827.0403	
24-Hr Clear Ru 0.5 0.4 - 0.3	unoff Volume (cu-ft)	0.019 827.0403	
24-Hr Clear Ru 0.5 0.4	unoff Volume (cu-ft)	0.019 827.0403	
24-Hr Clear Ru 0.5 0.4 - 0.3 -	unoff Volume (cu-ft)	0.019 827.0403	
24-Hr Clear Ru 0.5 0.4 - 0.3 -	unoff Volume (cu-ft)	0.019 827.0403	
24-Hr Clear Ru 0.5 0.4 - (\$5) 0.3 - (\$5) 0.2 -	unoff Volume (cu-ft)	0.019 827.0403	
24-Hr Clear Ru 0.5 0.4 - 0.3 -	unoff Volume (cu-ft)	0.019 827.0403	
24-Hr Clear Ru 0.5 0.4 - (\$5) 0.3 - (\$5) 0.2 -	unoff Volume (cu-ft)	0.019 827.0403	
24-Hr Clear Ru 0.5 0.4 - (\$5) 0.3 - (\$5) 0.2 -	unoff Volume (cu-ft)	0.019 827.0403	
24-Hr Clear Ru 0.5 0.4 - (5) 0.2 - 0.1 -	unoff Volume (cu-ft)	0.019 827.0403	
24-Hr Clear Ru 0.5 0.4 - (\$5) 0.3 - (\$5) 0.2 -	Hydrograph (Sixth	0.019 827.0403	400 1600

Input Parameters	
Project Name	Sixth Street PARC
Subarea ID	P6
Area (ac)	0.51
Flow Path Length (ft)	100.0
Flow Path Slope (vft/hft)	0.02
50-yr Rainfall Depth (in)	5.9
Percent Impervious	0.25
Soil Type	6
Design Storm Frequency	25-yr
Fire Factor	0
LID	False
Output Results	E 1900
Modeled (25-yr) Rainfall Depth (in)	5.1802 3.0906
Peak Intensity (in/hr) Undeveloped Runoff Coefficient (Cu)	0.8286
Developed Runoff Coefficient (Cd)	0.8465
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	1.3343
Burned Peak Flow Rate (cfs)	1.3343
24-Hr Clear Runoff Volume (ac-ft)	0.0816
24 Hr Clear Runoff Volume (au ff)	
24-Hr Clear Runoff Volume (cu-ft)	3554.6482
	3554.6482 Sixth Street PARC: P6)
Hydrograph (S	
1.4 Hydrograph (S	
1.4 Hydrograph (S	
1.4 Hydrograph (S	
1.4 1.2 1.0	
1.4 1.2 1.0	
1.4 1.2 1.0	
1.4 Hydrograph (S 1.2 - 1.0 -	
1.4 1.2 1.0 (s) 0.8 -	
1.4 1.2 1.0 (sys) 0.8 Hydrograph (S 0.8 0.8 -	
1.4 1.2 1.0 (s) 0.8 -	
1.4 1.2 1.0 (sys) 0.8 Hydrograph (S 0.8 0.8 -	
1.4 1.2 1.0 (sy) 0.8 - 0.4 - 0.4	
1.4 1.2 1.0 (sj) 0.8 Hydrograph (S 0.8 0.8 -	
1.4 1.2 1.0 (sy) 0.8 - 0.4 -	
1.4 1.2 1.0 (sys) 0.8 0.8 0.6 0.4 0.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Sixth Street PARC: P6)
$\begin{array}{c} 1.4 \\ 1.2 \\ 1.0 \\ 0.8 \\ 0.6 \\ 0.4 \\ 0.2 \\ 0.0 \\ 0 \end{array}$	

Input Parameters		
Project Name	Sixth Street PARC	
Subarea ID	P7	
Area (ac)	0.15	
Flow Path Length (ft)	100.0	
Flow Path Slope (vft/hft)	0.02	
Flow Path Slope (vft/hft) 50-yr Rainfall Depth (in)	5.9	
Percent Impervious	0.06	
Soil Type	6	
Design Storm Frequency	25-yr	
Fire Factor	0	
LID	False	
Output Results		
Modeled (25-yr) Rainfall Depth (in)	5.1802	
Peak Intensity (in/hr) Undeveloped Runoff Coefficient (Cu) Developed Runoff Coefficient (Cd)	3.0906	
Undeveloped Runoff Coefficient (Cu)	0.8286	
Developed Runoff Coefficient (Cd)	0.8329	
Time of Concentration (min)	5.0	
Clear Peak Flow Rate (cfs)	0.3861	
Burned Peak Flow Rate (cfs) 24-Hr Clear Runoff Volume (ac-ft)	0.3861	
24-Hr Clear Runoff Volume (ac-ft)	0.0154	
24-Hr Clear Runoff Volume (cu-ft)	672.5545	
24-Hr Clear Runoff Volume (cu-ft)	672.5545	
24-Hr Clear Runoff Volume (cu-ft)	672.5545	
24-Hr Clear Runoff Volume (cu-ft)	672.5545	
24-Hr Clear Runoff Volume (cu-ft)	672.5545	
24-Hr Clear Runoff Volume (cu-ft) 0.40 Hydrograph (Sixth	672.5545	
24-Hr Clear Runoff Volume (cu-ft) 0.40 0.35	672.5545	
24-Hr Clear Runoff Volume (cu-ft) 0.40 Hydrograph (Sixth	672.5545	
24-Hr Clear Runoff Volume (cu-ft) 0.40 0.35	672.5545	
24-Hr Clear Runoff Volume (cu-ft) 0.40 0.35	672.5545	
24-Hr Clear Runoff Volume (cu-ft) 0.40 0.35 - 0.30 - 0.25 -	672.5545	
24-Hr Clear Runoff Volume (cu-ft) 0.40 0.35 - 0.30 - 0.25 -	672.5545	
24-Hr Clear Runoff Volume (cu-ft) 0.40 0.35 - 0.30 - 0.25 -	672.5545	
24-Hr Clear Runoff Volume (cu-ft) 0.40 0.35 0.35 0.30 0.25 0.25	672.5545	
24-Hr Clear Runoff Volume (cu-ft) 0.40 0.35 - 0.30 - 0.25 -	672.5545	
24-Hr Clear Runoff Volume (cu-ft) 0.40 0.35 0.35 0.30 0.25 0.20 0.20 0.20	672.5545	
24-Hr Clear Runoff Volume (cu-ft) 0.40 0.40 0.35 $ 0.30$ $ 0.25$ $ 0.25$ $ 0.25$ $ 0.15$ $ 0.15$ $-$	672.5545	
24-Hr Clear Runoff Volume (cu-ft) 0.40 0.35 0.35 0.30 0.25 0.20 0.20	672.5545	
24-Hr Clear Runoff Volume (cu-ft) 0.40 0.40 0.35 $ 0.30$ $ 0.25$ $ 0.25$ $ 0.25$ $ 0.15$ $ 0.15$ $-$	672.5545	
24-Hr Clear Runoff Volume (cu-ft) 0.40 0.40 0.35 $ 0.30$ $ 0.25$ $ 0.25$ $ 0.25$ $ 0.15$ $ 0.15$ $-$	672.5545	
24-Hr Clear Runoff Volume (cu-ft) 0.40 0.35 0.30 0.25 0.20 0.25 0.20 0.15 0.10	672.5545	
24-Hr Clear Runoff Volume (cu-ft) 0.40 0.35 0.30 0.25 0.20 0.25 0.20 0.15 0.10 0.05 -	672.5545	
24-Hr Clear Runoff Volume (cu-ft) 0.40 0.35 0.30 0.25 0.20 0.25 0.20 0.15 0.10	Street PARC: P7)	

Input Parameters	
Project Name	Sixth Street PARC
Subarea ID	P8
Area (ac)	0.45
Flow Path Length (ft)	100.0
Flow Path Slope (vft/hft)	0.02
50-yr Rainfall Depth (in)	5.9
Percent Impervious	0.76
Soil Type	6
Design Storm Frequency	25-yr
Fire Factor	0
LID	False
Output Results	
Modeled (25-yr) Rainfall Depth (in)	5.1802
Peak Intensity (in/hr)	3.0906
Peak Intensity (in/hr) Undeveloped Runoff Coefficient (Cu)	0.8286
Developed Runoff Coefficient (Cd)	0.8829
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	1.2279
Burned Peak Flow Rate (cfs)	1.2279
24-Hr Clear Runoff Volume (ac-ft)	0.1409
24-Hr Clear Runoff Volume (cu-ft)	6139.5245
Hydrograph (Sixth	Street PARC ⁻ P8)
1.2 -	-
1.0 -	
<u>∞</u> 0.8 -	
(Ct	
(ct) (ct) (ct) (ct) (ct) (ct) (ct) (ct)	
표 0.6 -	4
0.4 -	1
0.2	
0.2	/ 1
0.0	
0.0 0 200 400 600 80 Time (m	

Input Parameters			
Project Name		Sixth Street PARC)
Subarea ID Area (ac) Flow Path Length (ft)		P9	
		1.44	
		100.0	
Flow Path Slope (vft/hft)		0.02	
50-yr Rainfall Depth (in)		5.9	
Percent Impervious		0.43	
Soil Type		6	
Design Storm Frequency		25-yr	
Fire Factor		0	
LID		False	
Output Results			
Modeled (25-vr) Rainfall Depth (i	n)	5.1802	
Peak Intensity (in/hr)	-	3.0906	
Undeveloped Runoff Coefficient	(Cu)	0.8286	
Developed Runoff Coefficient (C	d)	0.8593	
Time of Concentration (min)		5.0	
Clear Peak Flow Rate (cfs)		3.8245	
Burned Peak Flow Rate (cfs)		3.8245	
Durneu Feak Flow Rate (CIS)		~ ~ ~ ~ ~	
Burned Peak Flow Rate (cfs) 24-Hr Clear Runoff Volume (ac-f	t)	0.3083	
24-Hr Clear Runoff Volume (ac-f 24-Hr Clear Runoff Volume (ac-f	t) t)	0.3083 13428.3566	
24-Hr Clear Runoff Volume (cu-f	t) t) ograph (Sixth Street	13428.3566	
24-Hr Clear Runoff Volume (cu-f	t)	13428.3566	
24-Hr Clear Runoff Volume (cu-f	t)	13428.3566	
24-Hr Clear Runoff Volume (cu-f	t)	13428.3566	
24-Hr Clear Runoff Volume (cu-f	t)	13428.3566	
24-Hr Clear Runoff Volume (cu-f	t)	13428.3566	
24-Hr Clear Runoff Volume (cu-f	t)	13428.3566	
4.0 4.0 3.5 3.0	t)	13428.3566	
24-Hr Clear Runoff Volume (cu-f	t)	13428.3566	
24-Hr Clear Runoff Volume (cu-f 4.0 3.5 3.0 2.5	t)	13428.3566	
24-Hr Clear Runoff Volume (cu-f 4.0 3.5 3.0 2.5	t)	13428.3566	
24-Hr Clear Runoff Volume (cu-f	t)	13428.3566	
24-Hr Clear Runoff Volume (cu-f	t)	13428.3566	
24-Hr Clear Runoff Volume (cu-f	t)	13428.3566	
24-Hr Clear Runoff Volume (cu-f	t)	13428.3566	
24-Hr Clear Runoff Volume (cu-f	t)	13428.3566	
24-Hr Clear Runoff Volume (cu-f	t)	13428.3566	
24-Hr Clear Runoff Volume (cu-f	t)	13428.3566	
24-Hr Clear Runoff Volume (cu-f	t)	13428.3566	
24-Hr Clear Runoff Volume (cu-f	ograph (Sixth Street	13428.3566 PARC: P9)	
24-Hr Clear Runoff Volume (cu-f	t)	13428.3566	1600

Input Parameters		
Project Name	Sixth Street PARC	
Subarea ID	P10	
Area (ac)	0.68	
Flow Path Length (ft)	100.0	
Flow Path Slope (vft/hft)	0.02	
50-yr Rainfall Depth (in)	5.9	
Percent Impervious	0.15	
Soil Type	6	
Design Storm Frequency	25-yr	
Fire Factor	0	
LID	False	
Output Results		
Modeled (25-yr) Rainfall Depth (in)	5.1802	
Peak Intensity (in/hr)	3.0906	
Peak Intensity (in/hr) Undeveloped Runoff Coefficient (Cu)	0.8286	
Developed Runoff Coefficient (Cd)	0.8393	
Time of Concentration (min)	5.0	
Clear Peak Flow Rate (cfs)	1.764	
Burned Peak Flow Rate (cfs)	1.764	
24-Hr Clear Runoff Volume (ac-ft)	0.0884	
	3849.7324	
24-Hr Clear Runoff Volume (cu-ft)	3849.7324	
Hydrograph (Sixth S		
1.8 Hydrograph (Sixth S		
Hydrograph (Sixth S		
1.8 Hydrograph (Sixth S 1.6		
^{1.8} Hydrograph (Sixth S		
1.8 Hydrograph (Sixth S 1.6 - 1.4 -		
1.8 Hydrograph (Sixth S 1.6		
1.8 Hydrograph (Sixth S 1.6 - 1.4 - 1.2 -		
1.8 1.6 1.4 1.2		
1.8 Hydrograph (Sixth S 1.6 - 1.4 - 1.2 -		
Hydrograph (Sixth S 1.6 1.6 1.4 1.2 (§) 1.0 (§) 0.8 -		
Hydrograph (Sixth S 1.6 1.6 1.4 1.2 (g) 1.0 0.8 0.6 -		
Hydrograph (Sixth S 1.6 1.6 1.4 1.2 (§) 1.0 (§) 0.8 -		
Hydrograph (Sixth S 1.8 1.6 1.6 1.4 1.2 $\frac{1}{12}$ $\frac{1}{12}$ $\frac{1}{10}$ $\frac{1}{1$		
Hydrograph (Sixth S 1.6 1.6 1.4 1.2 (g) 1.0 0.8 0.6 -		
Hydrograph (Sixth S 1.8 1.6 1.4 1.2 (§) 1.0 (§) 0.8 0.6 0.4 0.2 -		
Hydrograph (Sixth S 1.8 1.6 1.6 1.4 1.2 (sig) = 0.8 0.6 0.4 -	treet PARC: P10)	

Input Parameters	
Project Name	Sixth Street PARC
Subarea ID	P11
Area (ac)	0.34
Flow Path Length (ft)	100.0
Flow Path Slope (vft/hft)	0.02
50-yr Rainfall Depth (in)	5.9
Percent Impervious	0.3
Soil Type	6
Design Storm Frequency	25-yr
Fire Factor	0
LID	False
Output Results	
Modeled (25-yr) Rainfall Depth (in)	5.1802
Peak Intensity (in/hr)	3.0906
Undeveloped Runoff Coefficient (Cu)	0.8286
Developed Runoff Coefficient (Cd)	0.8501
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	0.8933
Burned Peak Flow Rate (cfs) 24-Hr Clear Runoff Volume (ac-ft)	0.8933
24-Hr Clear Runoff Volume (ac-ft)	0.0595
24-Hr Clear Runoff Volume (cu-ft)	2592.2151
0.9 Hydrograph (Sixth Str	eet PARC: P11)
0.8 -	_
0.7 -	
0.6 -	-
(s) 0.5 - ≥ 0.4 -	-
⁸ □ 0.4	-
0.3 -	-
0.2 -	
0.1	
0.0 200 400 600 800 Time (minut	1000 1200 1400 1600 tes)

Input Parameters		
Project Name	Sixth Street PARC	
Subarea ID	P12	
Area (ac)	0.47	
Flow Path Length (ft)	100.0	
Flow Path Slope (vft/hft)	0.02	
50-yr Rainfall Depth (in)	5.9	
Percent Impervious	0.01	
Soil Type	6	
Design Storm Frequency	25-yr	
Fire Factor	0	
LID	False	
Output Results		
Modeled (25-yr) Rainfall Depth (in)	5.1802	
Peak Intensity (in/hr)	3.0906	
Undeveloped Runoff Coefficient (Cu)	0.8286	
Developed Runoff Coefficient (Cd)	0.8294	
Time of Concentration (min)	5.0	
Clear Peak Flow Rate (cfs)	1.2047	
Burned Peak Flow Rate (cfs)	1.2047	
24-Hr Clear Runoff Volume (ac-ft)	0.0413	
24-Hr Clear Runoff Volume (cu-ft)	1799.8335	
1.4 Hydrograph (Sixth Str		
1.4 Hydrograph (Sixth Str		
1.4		
1.4 Hydrograph (Sixth Structure) 1.2 -		
1.4		
1.2		
1.4		
1.2		
1.4 1.2 1.0		
1.4 1.2 1.0		
1.4 1.2 1.0		
1.4 1.2 1.0 (S) 8 0.8		
1.4 1.2 1.0		
1.4 1.2 1.0 (S) 8 0.8		
1.4 1.2 1.0 (§) 0.8 8		
1.4 1.2 1.0 (g) 0.8 0.8 0.6 -		
1.4 1.2 1.0 (35) 0.8 (35) 0.6 0.4 0.4		
1.4 1.2 1.0 (g) 0.8 0.8 0.6 -		
1.4 1.2 1.0 (35) 0.8 (35) 0.6 0.4 0.4		
1.4 1.2 1.0 1.0 1.0 1.0 1.0 1.0 1.0 0.8 1.0 0.6 0.4 0.2		
1.4 1.2 1.0 (35) 0.8 (35) 0.6 0.4 0.4		

Innut Devemetere	
Input Parameters	Cirth Chroat DADO
Project Name Subarea ID	Sixth Street PARC P13
Area (ac)	0.02
Flow Path Length (ft)	100.0
Flow Path Slope (vft/hft)	0.02
50-yr Rainfall Depth (in)	5.9
Percent Impervious	0.01
Soil Type	6
Design Storm Frequency	25-yr
Fire Factor	$\frac{1}{0}$
LID	False
Output Results	
Modeled (25-yr) Rainfall Depth (in)	5.1802
Peak Intensity (in/hr)	3.0906
Undeveloped Runoff Coefficient (Cu)	0.8286
Developed Runoff Coefficient (Cd)	0.8294
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	0.0513
Burned Peak Flow Rate (cfs)	0.0513
24-Hr Clear Runoff Volume (ac-ft)	0.0018
24-Hr Clear Runoff Volume (cu-ft)	76.5887
0.06 Hydrograph (S	ixth Street PARC: P13)
0.06 .005 -	
0.06	
0.06	
0.06	
0.06 0.05 0.04 0.04 0.03 0.03 0.03	
0.06 0.05 0.04 0.04 0.03 0.02 0.02	

Input Parameters	
Project Name	Sixth Street Viaduct
Subarea ID	V1
Area (ac)	0.84
Flow Path Length (ft)	225.0
Flow Path Slope (vft/hft)	0.05
50-yr Rainfall Depth (in)	5.9
Percent Impervious	1.0
Soil Type	6
Design Storm Frequency	25-yr
Fire Factor	0
LID	False
Output Results	
Modeled (25-yr) Rainfall Depth (in)	5.1802
Peak Intensity (in/hr)	3.0906
Undeveloped Runoff Coefficient (Cu)	0.8286
Developed Runoff Coefficient (Cd)	0.9
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	2.3365
	2.3365
Burned Peak Flow Rate (cfs)	0.0007
24-Hr Clear Runoff Volume (ac-ft)	0.3237
Burned Peak Flow Rate (cfs) 24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	0.3237 14098.4367
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) Hydrograph (Six)	14098.4367
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) Hydrograph (Six)	14098.4367
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 2.5 Hydrograph (Sixt	14098.4367
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 2.5 Hydrograph (Sixt	14098.4367
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 2.5 2.0	14098.4367
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 2.5 2.0 1.5	14098.4367
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 2.5 2.0 1.5	14098.4367
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 2.5 2.0 1.5	14098.4367
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 2.5 2.0 1.5 1.5	14098.4367
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 2.5 2.0 1.5	14098.4367
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 2.5 2.0 1.5 1.5	14098.4367
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 2.5 2.0 1.5 1.5	14098.4367
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 2.5 2.0 1.5 1.5 1.0	14098.4367
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 2.5 2.0 1.5 1.5	14098.4367
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 2.5 2.0 1.5 1.5 1.0	14098.4367
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 2.5 2.0 1.5 1.5 1.0	14098.4367
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	th Street Viaduct : V1)
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 2.5 2.0 1.5 1.5 1.5 1.5 1.0 0.5 0.	14098.4367

Input Parameters	
Project Name	Sixth Street Viaduct
Subarea ID	V2
Area (ac)	0.74
Flow Path Length (ft)	250.0
Flow Path Slope (vft/hft)	0.03
50-yr Rainfall Depth (in)	5.9
Percent Impervious	1.0
Soil Type	6
Design Storm Frequency	25-yr
Fire Factor	0
LID	False
Output Results	
Modeled (25-yr) Rainfall Depth (in)	5.1802
Peak Intensity (in/hr)	3.0906
Undeveloped Runoff Coefficient (Cu)	0.8286
Developed Runoff Coefficient (Cd)	0.9
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	2.0584
Burned Peak Flow Rate (cfs)	2.0584
24-Hr Clear Runoff Volume (ac-ft)	0.2851
24-Hr Clear Runoff Volume (cu-ft)	12420.0514
Hydrograph (Sixth Stre	et Viaduct: V2)
2.5	
2.0 -	
1.5 -	
	-
Flow (cfs)	
≥ o	
تَّــــــــــــــــــــــــــــــــــــ	
0.5	
0.0 200 400 600 800	
0 200 400 600 900	1000 1200 1400 1600
0 200 400 600 800 Time (minute	

Input Parameters		
Project Name	Sixth Street Viaduct	
Subarea ID	V3	
Area (ac)	0.58	
Flow Path Length (ft)	200.0	
Flow Path Slope (vft/hft)	0.01	
50-yr Rainfall Depth (in)	5.9	
Percent Impervious	1.0	
Soil Type	6	
Design Storm Frequency	25-yr	
Fire Factor	0	
LID	False	
Output Results		
Modeled (25-vr) Rainfall Depth (in)	5.1802	
Peak Intensity (in/hr)	3.0906	
Undeveloped Runoff Coefficient (Cu)	0.8286	
Developed Runoff Coefficient (Cd)	0.9	
Time of Concentration (min)	5.0	
Clear Peak Flow Rate (cfs)	1.6133	
Burned Peak Flow Rate (cfs)	1.6133	
24-Hr Clear Runoff Volume (ac-ft)	0.2235	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	0.2235 9734.6349	
24-Hr Clear Runoff Volume (cu-ft)	9734.6349	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 1.8 Hydrograph (Sixth S	9734.6349	
24-Hr Clear Runoff Volume (cu-ft) Hydrograph (Sixth S	9734.6349	
24-Hr Clear Runoff Volume (cu-ft)	9734.6349	
24-Hr Clear Runoff Volume (cu-ft) 1.8 1.6 -	9734.6349	
24-Hr Clear Runoff Volume (cu-ft) Hydrograph (Sixth S	9734.6349	
24-Hr Clear Runoff Volume (cu-ft) Hydrograph (Sixth S 1.6 1.4 -	9734.6349	
24-Hr Clear Runoff Volume (cu-ft) 1.8 1.6 -	9734.6349	
24-Hr Clear Runoff Volume (cu-ft) 1.8 1.6 1.6 1.4	9734.6349	
24-Hr Clear Runoff Volume (cu-ft) 1.8 1.6 1.6 1.4 1.2	9734.6349	
24-Hr Clear Runoff Volume (cu-ft) 1.8 1.6 1.6 1.4 1.2	9734.6349	
24-Hr Clear Runoff Volume (cu-ft) 1.8 1.6 1.6 1.4 1.2	9734.6349	
24-Hr Clear Runoff Volume (cu-ft) Hydrograph (Sixth S 1.6 1.4 1.2 (g) 1.0 1.0	9734.6349	
24-Hr Clear Runoff Volume (cu-ft) Hydrograph (Sixth S 1.6 1.6 1.4 1.2 (g) 1.0 (g) 0.8 -	9734.6349	
24-Hr Clear Runoff Volume (cu-ft) 1.8 1.6 1.4 1.2	9734.6349	
24-Hr Clear Runoff Volume (cu-ft) Hydrograph (Sixth S 1.6 1.4 1.2 (s) 1.0 0.8 0.6 -	9734.6349	
24-Hr Clear Runoff Volume (cu-ft) Hydrograph (Sixth S 1.6 1.6 1.4 1.2 (g) 1.0 (g) 0.8 -	9734.6349	
24-Hr Clear Runoff Volume (cu-ft) Hydrograph (Sixth S 1.6 1.4 1.2 (§) 1.0 0.6 0.6 0.4	9734.6349	
24-Hr Clear Runoff Volume (cu-ft) Hydrograph (Sixth S 1.6 1.4 1.2 (s) 1.0 0.8 0.6 -	9734.6349	
24-Hr Clear Runoff Volume (cu-ft) Hydrograph (Sixth S 1.6 1.4 1.2 (g) 1.0 0.8 0.6 0.4 0.2	9734.6349	
24-Hr Clear Runoff Volume (cu-ft) Hydrograph (Sixth S 1.6 1.4 1.2 (§) 1.0 0.6 0.6 0.4	9734.6349	

Input Parameters	
Project Name	Sixth Street Viaduct
Subarea ID	V4
Area (ac)	0.72
Flow Path Length (ft)	250.0
Flow Path Slope (vft/hft)	0.01
50-yr Rainfall Depth (in)	5.9
Percent Impervious	1.0
Soil Type	6
Design Storm Frequency	25-yr
Fire Factor	0
LID	False
Output Results	
Modeled (25-yr) Rainfall Depth (in)	5.1802
Peak Intensity (in/hr)	3.0906
Undeveloped Runoff Coefficient (Cu)	0.8286
Developed Runoff Coefficient (Cd)	0.9
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	2.0027
Burned Peak Flow Rate (cfs)	2.0027
24-Hr Clear Runoff Volume (ac-ft)	0.2774
24-Hr Clear Runoff Volume (cu-ft)	12084.3743
2.5 Hydrograph (Sixth Stree	et Viaduct: V4)
2.5	
2.0 -	
1.5 -	_
	_
	_
-low (cfs)	-
1.5 (st) NO H 1.0	
-low (cfs)	
-low (cfs)	
(\$5) Molu 1.0 -	
-low (cfs)	
(\$5) Molu 1.0 -	
(\$5) Molu 1.0 -	
(st) MOL 1.0 - 0.5 -	
(sc) Molu 1.0 -	

Input Parameter	rs		
Project Name		Sixth Street Viaduct	
Subarea ID		V5	
Area (ac)		0.65	
Flow Path Length (ft) Flow Path Slope (vft/hft)		210.0	
		0.01	
50-yr Rainfall De	pth (in)	5.9	
Percent Impervic	bus	1.0	
Soil Type		6	
Design Storm Fre	equency	25-yr	
Fire Factor		0	
LID		False	
Output Results			
Modeled (25-yr)	Rainfall Depth (in)	5.1802	
Peak Intensity (ir	n/hr) noff Coefficient (Cu)	3.0906	
Undeveloped Ru	nott Coefficient (Cu)	0.8286	
Developed Runo	off Coefficient (Cd)	0.9	
Time of Concent	ration (min)	5.0	
Clear Peak Flow	Kate (CIS)	1.808	
Burned Peak Flo	w Rate (cfs) off Volume (ac-ft)	1.808	
24-TI Clear Run		0.2504	
24-Hr Clear Runoff Volume (cu-ft)		10909.5046	
2.0	Hydrograph (Sixth S	Street Viaduct: V5)	
2.0	Hydrograph (Sixth S	Street Viaduct: V5)	
2.0	Hydrograph (Sixth S	Street Viaduct: V5)	
2.0	Hydrograph (Sixth S	Street Viaduct: V5)	
2.0	Hydrograph (Sixth S	Street Viaduct: V5)	
2.0	Hydrograph (Sixth S	Street Viaduct: V5)	
	Hydrograph (Sixth S	Street Viaduct: V5)	
	Hydrograph (Sixth S	Street Viaduct: V5)	_
	Hydrograph (Sixth S	Street Viaduct: V5)	
1.5 -	Hydrograph (Sixth S	Street Viaduct: V5)	
1.5 -	Hydrograph (Sixth S	Street Viaduct: V5)	-
1.5 -	Hydrograph (Sixth S	Street Viaduct: V5)	
1.5 - ເ <u>ເ</u>	Hydrograph (Sixth S	Street Viaduct: V5)	
1.5 -	Hydrograph (Sixth S	Street Viaduct: V5)	
1.5 - (cts) 1.0 - H	Hydrograph (Sixth S	Street Viaduct: V5)	
1.5 -	Hydrograph (Sixth S	Street Viaduct: V5)	
1.5 - (cts) 1.0 - H	Hydrograph (Sixth S	Street Viaduct: V5)	
1.5 - (cts) 1.0 - H	Hydrograph (Sixth S	Street Viaduct: V5)	
1.5 - (cts) 1.0 - H	Hydrograph (Sixth S	Street Viaduct: V5)	
1.5 - (stj) Moju 1.0 - 0.5 -	Hydrograph (Sixth S	Street Viaduct: V5)	
1.5 - (cts) 1.0 - H	Hydrograph (Sixth S		1600

Input Parame	ters		
Project Name		Sixth Street Viad	uct
Subarea ID		V6	
Area (ac)		0.69	
Flow Þath Length (ft) Flow Path Slope (vft/hft)		210.0	
		0.01	
50-yr Rainfall I	Depth (in)	5.9	
Percent Imper	vious	1.0	
Soil Type		6	
Design Storm	Frequency	25-yr	
Fire Factor		0	
LID		False	
Output Result	ts		
Modeled (25-y	r) Rainfall Depth (in)	5.1802	
Peak Intensity	(in/hr)	3.0906	
Undeveloped I	(in/hr) Runoff Coefficient (Cu)	0.8286	
Developed Ru	noff Coefficient (Cd)	0.9	
Time of Conce	ntration (min)	5.0	
Clear Peak Flo	w Rate (cfs)	1.9193	
Clear Peak Flow Rate (cfs) Burned Peak Flow Rate (cfs)		1.9193	
Burned Peak F			
Burned Peak F 24-Hr Clear Ru	unoff Volume (ac-ft)	0.2659	
Burned Peak F 24-Hr Clear Ru	unoff Volume (ac-ft) unoff Volume (cu-ft)	0.2659 11580.8587	
Burned Peak F 24-Hr Clear Ru	unoff Volume (ac-ft)	11580.8587	
Burned Peak F 24-Hr Clear Ru 24-Hr Clear Ru	unoff Volume (ac-ft) unoff Volume (cu-ft)	11580.8587	
Burned Peak F 24-Hr Clear Ru 24-Hr Clear Ru	unoff Volume (ac-ft) unoff Volume (cu-ft)	11580.8587	
Burned Peak F 24-Hr Clear Ru 24-Hr Clear Ru	unoff Volume (ac-ft) unoff Volume (cu-ft)	11580.8587	
Burned Peak F 24-Hr Clear Ru 24-Hr Clear Ru	unoff Volume (ac-ft) unoff Volume (cu-ft)	11580.8587	
Burned Peak F 24-Hr Clear Ru 24-Hr Clear Ru 2.0	unoff Volume (ac-ft) unoff Volume (cu-ft)	11580.8587	
Burned Peak F 24-Hr Clear Ru 24-Hr Clear Ru 2.0	unoff Volume (ac-ft) unoff Volume (cu-ft)	11580.8587	
Burned Peak F 24-Hr Clear Ru 24-Hr Clear Ru 2.0	unoff Volume (ac-ft) unoff Volume (cu-ft)	11580.8587	
Burned Peak F 24-Hr Clear Ru 24-Hr Clear Ru 2.0 1.5	unoff Volume (ac-ft) unoff Volume (cu-ft)	11580.8587	
Burned Peak F 24-Hr Clear Ru 24-Hr Clear Ru 2.0	unoff Volume (ac-ft) unoff Volume (cu-ft)	11580.8587	
Burned Peak F 24-Hr Clear Ru 24-Hr Clear Ru 2.0	unoff Volume (ac-ft) unoff Volume (cu-ft)	11580.8587	
Burned Peak F 24-Hr Clear Ru 24-Hr Clear Ru 2.0	unoff Volume (ac-ft) unoff Volume (cu-ft)	11580.8587	
Burned Peak F 24-Hr Clear Ru 24-Hr Clear Ru 2.0 1.5 1.5 -	unoff Volume (ac-ft) unoff Volume (cu-ft)	11580.8587	
Burned Peak F 24-Hr Clear Ru 24-Hr Clear Ru 2.0 1.5 1.5 -	unoff Volume (ac-ft) unoff Volume (cu-ft)	11580.8587	
Burned Peak F 24-Hr Clear Ru 24-Hr Clear Ru 2.0 1.5 1.5 -	unoff Volume (ac-ft) unoff Volume (cu-ft)	11580.8587	
Burned Peak F 24-Hr Clear Ru 24-Hr Clear Ru 1.5 - (\$5) No L 0.5 -	unoff Volume (ac-ft) unoff Volume (cu-ft)	11580.8587	
Burned Peak F 24-Hr Clear Ru 24-Hr Clear Ru 2.0 1.5 1.5 -	unoff Volume (ac-ft) unoff Volume (cu-ft)	Street Viaduct: V6)	

Input Para	meters		
Project Nar	ne	Sixth Street Viaduct	
Subarea ID		V7	
Area (ac)		0.69	
Flow Path Length (ft) Flow Path Slope (vft/hft)		210.0	
		0.01	
50-yr Rainf	all Depth (in)	5.9	
Percent Im	pervious	1.0	
Soil Type		6	
Design Sto	rm Frequency	25-yr	
Fire Factor		0	
LID		False	
Output Re:	sults		
-	5-yr) Rainfall Depth (in)	5.1802	
Peak Intens	sity (in/hr)	3.0906	
Undevelope	sity (in/hr) ed Runoff Coefficient (Cu)	0.8286	
Developed	Runoff Coefficient (Cd)	0.9	
Time of Co	ncentration (min)	5.0	
Clear Peak	Flow Rate (cfs)	1.9193	
Burned Pea	ak Flow Rate (cfs)	1.9193	
24-Hr Clear	Runoff Volume (ac-ft)	0.2659	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)			
24-Hr Clea	Runoff Volume (cu-ft)	11580.8587	
24-Hr Clean		11580.8587	
2.0			
2.0			
2.0			
2.0 1.5 -			
2.0			
2.0			
2.0 1.5 - (sj) MOJ			
2.0			
2.0 1.5 - (sj) MOJ			
2.0 1.5 - (sj) MOL			
2.0 1.5 - (sj) MOJ			
2.0 1.5 - (sj) no I.0 - 0.5 -	Hydrograph (Sixth	Street Viaduct: V7)	
2.0 1.5 - (sj) MOJ	Hydrograph (Sixth		

Input Parame	ters		
Project Name		Sixth Street Viaduct	
Subarea ID		V8	
Area (ac)		0.69	
Flow Þath Length (ft) Flow Path Slope (vft/hft)		210.0	
		0.01	
50-yr Rainfall	Depth (in)	5.9	
Percent Imper	vious	1.0	
Soil Type		6	
Design Storm	Frequency	25-yr	
Fire Factor		0	
LID		False	
Output Resul	ts		
Modeled (25-v	r) Rainfall Depth (in)	5.1802	
Peak Intensity	(in/hr)	3.0906	
Undeveloped	(in/hr) Runoff Coefficient (Cu)	0.8286	
Developed Ru	noff Coefficient (Cd)	0.9	
Time of Conce	entration (min)	5.0	
Clear Peak Fl	ow Rate (cfs)	1.9193	
Clear Peak Flow Rate (cfs)		1 0100	
Burned Peak	-low Rate (cfs)	1.9193	
Burned Peak 24-Hr Clear R	unoff Volume (ac-ft)	0.2659	
Burned Peak 24-Hr Clear R	Flow Rate (cfs) unoff Volume (ac-ft) unoff Volume (cu-ft)		
Burned Peak 24-Hr Clear R	unoff Volume (ac-ft) unoff Volume (cu-ft)	0.2659	
Burned Peak 24-Hr Clear R 24-Hr Clear R	unoff Volume (ac-ft) unoff Volume (cu-ft)	0.2659 11580.8587	
Burned Peak 24-Hr Clear R 24-Hr Clear R	unoff Volume (ac-ft) unoff Volume (cu-ft)	0.2659 11580.8587	
Burned Peak 24-Hr Clear R 24-Hr Clear R	unoff Volume (ac-ft) unoff Volume (cu-ft)	0.2659 11580.8587	
Burned Peak 24-Hr Clear R 24-Hr Clear R	unoff Volume (ac-ft) unoff Volume (cu-ft)	0.2659 11580.8587	
Burned Peak 24-Hr Clear R 24-Hr Clear R	unoff Volume (ac-ft) unoff Volume (cu-ft)	0.2659 11580.8587	
Burned Peak 24-Hr Clear R 24-Hr Clear R	unoff Volume (ac-ft) unoff Volume (cu-ft)	0.2659 11580.8587	
Burned Peak 24-Hr Clear R 24-Hr Clear R	unoff Volume (ac-ft) unoff Volume (cu-ft)	0.2659 11580.8587	
Burned Peak 24-Hr Clear R 24-Hr Clear R 2.0 1.5	unoff Volume (ac-ft) unoff Volume (cu-ft)	0.2659 11580.8587	
Burned Peak 24-Hr Clear R 24-Hr Clear R	unoff Volume (ac-ft) unoff Volume (cu-ft)	0.2659 11580.8587	
24-Hr Clear R 24-Hr Clear R 24-Hr Clear R	unoff Volume (ac-ft) unoff Volume (cu-ft)	0.2659 11580.8587	
Burned Peak 24-Hr Clear R 24-Hr Clear R	unoff Volume (ac-ft) unoff Volume (cu-ft)	0.2659 11580.8587	
24-Hr Clear R 24-Hr Clear R 24-Hr Clear R	unoff Volume (ac-ft) unoff Volume (cu-ft)	0.2659 11580.8587	
24-Hr Clear R 24-Hr Clear R 24-Hr Clear R	unoff Volume (ac-ft) unoff Volume (cu-ft)	0.2659 11580.8587	
24-Hr Clear R 24-Hr Clear R 24-Hr Clear R	unoff Volume (ac-ft) unoff Volume (cu-ft)	0.2659 11580.8587	
Burned Peak 24-Hr Clear R 24-Hr Clear R 1.5 - 1.5 -	unoff Volume (ac-ft) unoff Volume (cu-ft)	0.2659 11580.8587	
24-Hr Clear R 24-Hr Clear R 24-Hr Clear R	unoff Volume (ac-ft) unoff Volume (cu-ft) Hydrograph (Sixth	0.2659 11580.8587	

Input Parameters			
Project Name		Sixth Street Viadu	ct
Subarea ID		V9	
Area (ac)		0.69	
Flow Path Length (ft) Flow Path Slope (vft/hft)		210.0	
		0.01	
50-yr Rainfall Dept	h (in)	5.9	
Percent Impervious	5	1.0	
Soil Type		6	
Design Storm Freq	luency	25-yr	
Fire Factor		0	
LID		False	
Output Results			
Modeled (25-yr) Ra	ainfall Depth (in)	5.1802	
Peak Intensity (in/h	nr)	3.0906	
Peak Intensity (in/h Undeveloped Rund	off Coefficient (Cu)	0.8286	
Developed Runoff	Coefficient (Cd)	0.9	
Time of Concentra	tion (min)	5.0	
Clear Peak Flow R	ate (cfs)	1.9193	
Burned Peak Flow	Rate (cfs)	1.9193	
Burned Peak Flow Rate (cfs) 24-Hr Clear Runoff Volume (ac-ft)		0.2659	
24-Hr Clear Runoff	24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)		
24-Hr Clear Runoff	Volume (cu-ft)	11580.8587	
24-Hr Clear Runoff	Hydrograph (Sixth S	11580.8587	
24-Hr Clear Runoff 24-Hr Clear Runoff 2.0	Volume (cu-ft)	11580.8587	
24-Hr Clear Runoff 24-Hr Clear Runoff	Volume (cu-ft)	11580.8587	
24-Hr Clear Runoff 24-Hr Clear Runoff 2.0	Volume (cu-ft)	11580.8587	
24-Hr Clear Runoff 24-Hr Clear Runoff 2.0	Volume (cu-ft)	11580.8587	
24-Hr Clear Runoff 24-Hr Clear Runoff 2.0 1.5	Volume (cu-ft)	11580.8587	
24-Hr Clear Runoff 24-Hr Clear Runoff 2.0 1.5	Volume (cu-ft)	11580.8587	
24-Hr Clear Runoff 24-Hr Clear Runoff 2.0 1.5	Volume (cu-ft)	11580.8587	
24-Hr Clear Runoff 24-Hr Clear Runoff 2.0 1.5	Volume (cu-ft)	11580.8587	
24-Hr Clear Runoff 24-Hr Clear Runoff 2.0 1.5	Volume (cu-ft)	11580.8587	
24-Hr Clear Runoff 24-Hr Clear Runoff 2.0 1.5	Volume (cu-ft)	11580.8587	
24-Hr Clear Runoff 24-Hr Clear Runoff 2.0 1.5	Volume (cu-ft)	11580.8587	
24-Hr Clear Runoff 24-Hr Clear Runoff 2.0 1.5 1.5 1.0	Volume (cu-ft)	11580.8587	
24-Hr Clear Runoff 24-Hr Clear Runoff 2.0 1.5 1.5 1.0	Volume (cu-ft)	11580.8587	
24-Hr Clear Runoff 24-Hr Clear Runoff 2.0 1.5 1.5 1.0	Volume (cu-ft)	11580.8587	
24-Hr Clear Runoff 24-Hr Clear Runoff 1.5 -	Volume (cu-ft)	11580.8587	
24-Hr Clear Runoff 24-Hr Clear Runoff 2.0 1.5 1.5 1.0	Volume (cu-ft)	Street Viaduct: V9)	1600

Input Parameters	
Project Name	Sixth Street Viaduct
Subarea ID	V10
Area (ac)	0.64
Flow Path Length (ft)	200.0
Flow Path Slope (vft/hft)	0.01
50-yr Rainfall Depth (in)	5.9
Percent Impervious	1.0
Soil Type	6
Design Storm Frequency	25-yr
Fire Factor	0
LID	False
Output Results	
Modeled (25-yr) Rainfall Depth (in)	5.1802
Peak Intensity (in/hr)	3.0906
Undeveloped Runoff Coefficient (Cu)	0.8286
Developed Runoff Coefficient (Cd)	0.9
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	1.7802
Burned Peak Flow Rate (cfs)	1.7802
24-Hr Clear Runoff Volume (ac-ft)	0.2466
24-Hr Clear Runoff Volume (cu-ft)	10741.6661
^{1.8} Hydrograph (Sixth Stree	t Viaduct: V10)
1.6 -	-
1.4 -	-
1.2 -	
(s) 30 − 30 −	1
은 0.8 -	
0.6	
0.4 -	
0.2 -	
0.2 0.0 0 200 400 600 800 Time (minute	1000 1200 1400 1600

Input Parameters	
Project Name	Sixth Street PARC Streets
Subarea ID	S1
Area (ac)	0.77
Flow Path Length (ft)	275.0
Flow Path Slope (vft/hft)	0.01
50-yr Rainfall Depth (in)	5.9
Percent Impervious	1.0
Soil Type	6
Design Storm Frequency	25-yr
Fire Factor	0
LID	False
Output Results	
Modeled (25-yr) Rainfall Depth (in)	5.1802
Peak Intensity (in/hr)	3.0906
Undeveloped Runoff Coefficient (Cu)	0.8286
Developed Runoff Coefficient (Cd)	0.9
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	2.1418
Burned Peak Flow Rate (cfs)	2.1418
24-Hr Clear Runoff Volume (ac-ft)	0.2967
24-Hr Clear Runoff Volume (cu-ft)	12923.567
2.5 Hydrograph (Sixth Stree	et PARC Streets: S1)
2.0 -	-
a 1.5	
Flow (cfs)	
NO	
^푼 1.0 -	
1.0	1
0.5	
0.0	
0.0 0 0 200 400 600 800 Time (min	1000 1200 1400 1600

Input Parameters	
Project Name	Sixth Street PARC Streets
Subarea ID	S2
Area (ac)	0.49
Flow Path Length (ft)	235.0
Flow Path Slope (vft/hft)	0.004
50-yr Rainfall Depth (in)	5.9
Percent Impervious	1.0
Soil Type	6
Design Storm Frequency Fire Factor	25-yr
LID	0 False
	1 0.50
Output Results	
Modeled (25-yr) Rainfall Depth (in)	5.1802
Peak Intensity (in/hr) Undeveloped Runoff Coefficient (Cu)	3.0906
Undeveloped Runoff Coefficient (Cu)	0.8286
Developed Runoff Coefficient (Cd)	0.9
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs) Burned Peak Flow Rate (cfs)	1.363 1.363
DUIDED PEAK FIOW KATE (CIS)	
24 Hr Cloar Pupoff Valuma (as ft)	
24-Hr Clear Runoff Volume (ac-ft)	0.1888
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	
24-Hr Clear Runoff Volume (ac-ft)	0.1888
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) Hydrograph (Sixth)	0.1888
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	0.1888 8224.0881
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) Hvdrograph (Sixth)	0.1888 8224.0881
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) Hvdrograph (Sixth)	0.1888 8224.0881
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 1.4 Hydrograph (Sixth S	0.1888 8224.0881
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 1.4 1.2	0.1888 8224.0881
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 1.4 Hydrograph (Sixth S	0.1888 8224.0881
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 1.4 1.2	0.1888 8224.0881
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 1.4 Hydrograph (Sixth 1 1.2 - 1.0 -	0.1888 8224.0881
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 1.4 1.2 1.0	0.1888 8224.0881
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 1.4 1.2 1.0	0.1888 8224.0881
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 1.4 1.2 1.0	0.1888 8224.0881
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 1.4 1.2 1.0	0.1888 8224.0881
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 1.4 1.2 1.2 1.0	0.1888 8224.0881
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 1.4 1.2 1.0 $(\widehat{y}_{\widetilde{y}})$ 0.8	0.1888 8224.0881
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 1.4 1.2 1.2 1.0	0.1888 8224.0881
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 1.4 1.2 1.0 0.8 0.8 0.6 0.4	0.1888 8224.0881
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 1.4 1.2 1.2 1.0 $(g_{\tilde{g}}^{0.8})$ 0.8	0.1888 8224.0881
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 1.4 1.2 1.0 0.8 0.8 0.6 0.4	0.1888 8224.0881
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 1.4 1.2 1.0 1.0 1.0 1.0 1.0 1.0 0.8 0.8 0.6 0.4 0.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.1888 8224.0881
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 1.4 1.2 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 0.8 0.6 0.4 0.4 0.2 0.2 0.2 0.0 0.2 0.0 0.2 0.0 0.2 0.0 0.	0.1888 8224.0881

Input Parameters		
Project Name	Sixth Street PARC Str	eets
Subarea ID	S3	
Area (ac)	2.64	
Flow Path Length (ft)	485.0	
Flow Path Slope (vft/hft)	0.0035	
50-yr Rainfall Depth (in)	5.9	
Percent Impervious	1.0	
Soil Type	6	
Design Storm Frequency	25-yr	
Fire Factor	0	
LID	False	
Output Results		
Modeled (25-yr) Rainfall Depth (in)	5.1802	
Peak Intensity (in/hr)	2.3446	
Peak Intensity (in/hr) Undeveloped Runoff Coefficient (Cu)	0.7701	
Developed Runoff Coefficient (Cd)	0.9	
Time of Concentration (min)	9.0	
Clear Peak Flow Rate (cfs)	5.5708	
Burned Peak Flow Rate (cfs)	5.5708	
24-Hr Clear Runoff Volume (ac-ft)	1 0172	
24-Hr Clear Runoff Volume (ac-ft)	1.0172 44309.4039	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	44309.4039	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) Hvdrograph (Sixth Street	44309.4039	
24-Hr Clear Runoff Volume (ac-ft)	44309.4039	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) Hvdrograph (Sixth Street	44309.4039	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 6 Hydrograph (Sixth Street	44309.4039	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) Hvdrograph (Sixth Street	44309.4039	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 6 Hydrograph (Sixth Street	44309.4039	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 6 6 5	44309.4039	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 6 Hydrograph (Sixth Street	44309.4039	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 6 6 5	44309.4039	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	44309.4039	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	44309.4039	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	44309.4039	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 6 5 4 4	44309.4039	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	44309.4039	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	44309.4039	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	44309.4039	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	44309.4039	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	44309.4039	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	44309.4039	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	44309.4039	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) Hydrograph (Sixth Street	44309.4039	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	44309.4039	1600

Input Parameters	
Project Name	Sixth Street PARC Streets
Subarea ID	S4
Area (ac)	1.43
Flow Path Length (ft)	245.0
Flow Path Slope (vft/hft)	0.008
50-yr Rainfall Depth (in)	5.9
Percent Impervious	0.69
Soil Type	6
Design Storm Frequency	25-yr
Fire Factor	0
LID	False
Output Results	
Modeled (25-yr) Rainfall Depth (in)	5.1802
Peak Intensity (in/hr)	3.0906
Peak Intensity (in/hr) Undeveloped Runoff Coefficient (Cu)	0.8286
Developed Runoff Coefficient (Cd)	0.8779
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	3.8799
Burned Peak Flow Rate (cfs)	3.8799
24-Hr Clear Runoff Volume (ac-ft)	0.4178
24-Hr Clear Runoff Volume (cu-ft)	18200.2086
Hydrograph (Sixth Street I	PARC Streets: S4)
4.0	
3.5 -	-
3.0 -	
0.0	
2.5 -	
(s)	
0.0 - 0.0 -	
<u>o</u>	
1.5 -	1
1.0 -	
0.5 -	/ 1
0.0	
0.0 200 400 600 800 Time (minute	1000 1200 1400 1600

Input Parameters	
Project Name	Sixth Street PARC
Subarea ID	P1
Area (ac)	1.78
Flow Path Length (ft)	100.0
Flow Path Slope (vft/hft)	0.02
Flow Path Slope (vft/hft) 50-yr Rainfall Depth (in)	5.9
Percent Impervious	0.42
Soil Type	6
Design Storm Frequency	50-yr
Fire Factor	0
LID	False
Output Results	
Modeled (50-yr) Rainfall Depth (in)	5.9
Peak Intensity (in/hr) Undeveloped Runoff Coefficient (Cu)	3.5201
Undeveloped Runoff Coefficient (Cu)	0.8582
Developed Runoff Coefficient (Cd)	0.8757
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	5.4871
Burned Peak Flow Rate (cfs)	5.4871
24-Hr Clear Runoff Volume (ac-ft)	0.436
24-Hr Clear Runoff Volume (cu-ft)	18992.512
6 Hydrograph (Sixth Stree	et PARC: P1)
5	
5 -	1
4 -	
its)	
E E E E E E E E E E E E E E E E E E E	-
~	
2_	
1	
	// 1
0 200 400 600 800	1000 1200 1400 1600

Input Parameters	
Project Name	Sixth Street PARC
Subarea ID	P2
Area (ac)	0.19
Flow Path Length (ft)	100.0
Flow Path Slope (vft/hft)	0.02
50-yr Rainfall Depth (in)	5.9
Percent Impervious	0.05
Soil Type	6
Design Storm Frequency	50-yr
Fire Factor	0
LID	False
Output Results	
Modeled (50-yr) Rainfall Depth (in)	5.9
Peak Intensity (in/hr)	3.5201
Undeveloped Runoff Coefficient (Cu)	0.8582
Developed Runoff Coefficient (Cd)	0.8602
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	0.5753
Burned Peak Flow Rate (cfs)	0.5753
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	0.023 1003.5704
	1000.0704
0.6 Hydrograph ((Sixth Street PARC: P2)
0.6 Hydrograph ((Sixth Street PARC: P2)
0.6 Hydrograph ((Sixth Street PARC: P2)
0.0	(Sixth Street PARC: P2)
0.6 Hydrograph (0.5 -	(Sixth Street PARC: P2)
0.0	(Sixth Street PARC: P2)
0.5	(Sixth Street PARC: P2)
0.0	(Sixth Street PARC: P2)
0.5	(Sixth Street PARC: P2)
0.6 0.5 - 0.4 -	(Sixth Street PARC: P2)
0.0 0.5 0.4 0.4 (<u>st</u>) 0.3 -	(Sixth Street PARC: P2)
0.5	(Sixth Street PARC: P2)
0.0 0.5 0.4 0.4 (\$5) 0.3 -	(Sixth Street PARC: P2)
0.0 0.5 0.4 - 0.4 - 0.3 - 0.2 -	(Sixth Street PARC: P2)
0.0 0.5 0.4 0.4 (\$5) 0.3 -	(Sixth Street PARC: P2)
0.0 0.5 0.4 - 0.4 - 0.3 - 0.2 -	(Sixth Street PARC: P2)
0.0 0.5 0.4 - 0.4 - 0.4 - 0.3 - 0.2 -	(Sixth Street PARC: P2)
0.0 0.5 0.4 0.4 0.2 0.1 0.2	
0.0 0.5 0.4 0.4 0.3 0.2 0.1 0.1 0.0 0.2 0.1 0.1 0.0	(Sixth Street PARC: P2)

Input Parameters	
Project Name	Sixth Street PARC
Subarea ID	P3
Area (ac)	0.2
Flow Path Length (ft)	100.0
Flow Path Slope (vft/hft)	0.02
50-yr Rainfall Depth (in)	5.9
Percent Impervious	0.65
Soil Type	6
Design Storm Frequency Fire Factor	50-yr
LID	0 False
Output Results	
Modeled (50-yr) Rainfall Depth (in)	5.9
Peak Intensity (in/hr)	3.5201
Peak Intensity (in/hr) Undeveloped Runoff Coefficient (Cu)	0.8582
Developed Runoff Coefficient (Cd)	0.8854
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	0.6233
Burned Peak Flow Rate (cfs)	0.6233
24-Hr Clear Runoff Volume (ac-ft)	0.0644
24-Hr Clear Runoff Volume (cu-ft)	2803.8497
Hydrograph (Sixth Str	eet PARC: P3)
0.6 -	
0.5	
0.0	1
(cts	
(sto) mol 0.3	
표 0.3 -	
0.2	1
0.1	
v. 1	/ 1
0.0	
0.0 200 400 600 800 Time (minut	1000 1200 1400 1600

Input Parameters	
Project Name	Sixth Street PARC
Subarea ID	P4
Area (ac)	0.27
Flow Path Length (ft)	100.0
Flow Path Slope (vft/hft)	0.02
50-yr Rainfall Depth (in)	5.9
Percent Impervious	0.01
Soil Type	6
Design Storm Frequency	50-yr
Fire Factor	0
LID	False
Output Results	
Modeled (50-yr) Rainfall Depth (in)	5.9
Peak Intensity (in/hr)	3.5201
Peak Intensity (in/hr) Undeveloped Runoff Coefficient (Cu)	0.8582
Developed Runoff Coefficient (Cd)	0.8586
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	0.816
Burned Peak Flow Rate (cfs)	0.816
24-Hr Clear Runoff Volume (ac-ft)	0.0291
24-Hr Clear Runoff Volume (cu-ft)	1268.855
Hydrograph (Sixth St	reet PARC: P4)
0.8 -	
0.8 -	
0.7 -	-
0.6 -	-
<u>@</u> 0.5	-
(sc) 0.5 0.4 0.4	
<u>0.4</u>	
ш [
0.3	
0.3 -	-
	-
0.3 - 0.2 -	-
	-
0.2 -	
0.2 - 0.1 - 0.0	
0.2 -	1000 1200 1400 1600

Input Parameter	S		
Project Name		Sixth Street PA	RC
Subarea ID		P5	
Area (ac)		0.19	
Flow Path Length	n (ft)	100.0	
Flow Path Slope	(vft/hft)	0.02	
50-yr Rainfall De	oth (in)	5.9	
Percent Impervio	us	0.05	
Soil Type		6	
Design Storm Fre	equency	50-yr	
Fire Factor		<u>0</u>	
LID		False	
Output Results			
Modeled (50-yr)	Rainfall Depth (in)	5.9	
Peak Intensity (in	/hr) noff Coefficient (Cu)	3.5201	
Undeveloped Ru	noff Coefficient (Cu)	0.8582	
Developed Runof	ff Coefficient (Cd)	0.8602	
Time of Concentr	ation (min)	5.0	
Clear Peak Flow	Rate (cfs)	0.5753	
	w Rate (cfs)	0.5753	
Burned Peak Flov			
Burned Peak Flov 24-Hr Clear Rund	off Volume (ac-ft)	0.023	
Burned Peak Flov	off Volume (ac-ft)	0.023 1003.5704	
Burned Peak Flov 24-Hr Clear Rund	off Volume (ac-ft) off Volume (cu-ft)	1003.5704	
Burned Peak Flov 24-Hr Clear Rund	off Volume (ac-ft) off Volume (cu-ft)]
Burned Peak Flov 24-Hr Clear Rund 24-Hr Clear Rund	off Volume (ac-ft) off Volume (cu-ft)	1003.5704	
Burned Peak Flov 24-Hr Clear Rund 24-Hr Clear Rund	off Volume (ac-ft) off Volume (cu-ft)	1003.5704	
Burned Peak Flov 24-Hr Clear Rund 24-Hr Clear Rund 0.6	off Volume (ac-ft) off Volume (cu-ft)	1003.5704	
Burned Peak Flov 24-Hr Clear Rund 24-Hr Clear Rund	off Volume (ac-ft) off Volume (cu-ft)	1003.5704	
Burned Peak Flov 24-Hr Clear Rund 24-Hr Clear Rund 0.6 0.5 - 0.4	off Volume (ac-ft) off Volume (cu-ft)	1003.5704	
Burned Peak Flov 24-Hr Clear Rund 24-Hr Clear Rund 0.6 0.5 - 0.4	off Volume (ac-ft) off Volume (cu-ft)	1003.5704	
Burned Peak Flov 24-Hr Clear Rund 24-Hr Clear Rund 0.6 0.5 - 0.4	off Volume (ac-ft) off Volume (cu-ft)	1003.5704	
Burned Peak Flov 24-Hr Clear Rund 24-Hr Clear Rund 0.6 0.5 0.4 0.4	off Volume (ac-ft) off Volume (cu-ft)	1003.5704	
Burned Peak Flov 24-Hr Clear Rund 24-Hr Clear Rund 0.6 0.5 - 0.4 - 0.4 -	off Volume (ac-ft) off Volume (cu-ft)	1003.5704	
Burned Peak Flov 24-Hr Clear Rund 24-Hr Clear Rund 0.6 0.5 - 0.4	off Volume (ac-ft) off Volume (cu-ft)	1003.5704	
Burned Peak Flov 24-Hr Clear Rund 24-Hr Clear Rund 0.6 0.5 - 0.4 - 0.4 -	off Volume (ac-ft) off Volume (cu-ft)	1003.5704	
Burned Peak Flov 24-Hr Clear Rund 24-Hr Clear Rund 0.6 0.5 - 0.4 - (5) 0.3 - 0.2 -	off Volume (ac-ft) off Volume (cu-ft)	1003.5704	
Burned Peak Flov 24-Hr Clear Rund 24-Hr Clear Rund 0.6 0.5 - 0.4 - 0.4 -	off Volume (ac-ft) off Volume (cu-ft)	1003.5704	
Burned Peak Flov 24-Hr Clear Rund 24-Hr Clear Rund 0.6 0.5 - 0.4 - (5) 0.3 - 0.2 -	off Volume (ac-ft) off Volume (cu-ft)	1003.5704	
Burned Peak Flov 24-Hr Clear Rund 24-Hr Clear Rund 0.6 0.5 - 0.4 - (5) 0.3 - 0.2 - 0.1 -	off Volume (ac-ft) off Volume (cu-ft)	1003.5704	
Burned Peak Flov 24-Hr Clear Rund 24-Hr Clear Rund 0.6 0.5 - 0.4 - (§) 80.3 - 0.2 - 0.1 -	off Volume (ac-ft) off Volume (cu-ft) Hydrograph (Sixth	Street PARC: P5)	

Input Parameters	
Project Name	Sixth Street PARC
Subarea ID	P6
Area (ac)	0.51
Flow Path Length (ft)	100.0
Flow Path Slope (vft/hft)	0.02
50-yr Rainfall Depth (in)	5.9
Percent Impervious	0.25
Soil Type	6
Design Storm Frequency	50-yr
Fire Factor	0
LID	False
Output Results	
Modeled (50-vr) Rainfall Depth (in)	5.9
Peak Intensity (in/hr)	3.5201
Peak Intensity (in/hr) Undeveloped Runoff Coefficient (Cu)	0.8582
Developed Runott Coefficient (Cd)	0.8686
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	1.5594
Burned Peak Flow Rate (cfs)	1.5594
24-Hr Clear Runoff Volume (ac-ft)	0.0959
24-Hr Clear Runoff Volume (cu-ft)	4179.1351
Hydrograph (Sixth	Street PARC: P6)
1.6 Hydrograph (Sixth	Street PARC: P6)
1.6 Hydrograph (Sixth	Street PARC: P6)
1.6 1.4	Street PARC: P6)
	Street PARC: P6)
1.4 -	Street PARC: P6)
	Street PARC: P6)
1.4 1.2	Street PARC: P6)
1.4 -	Street PARC: P6)
1.4 - 1.2 - 1.0 -	Street PARC: P6)
1.4 1.2 1.0	Street PARC: P6)
1.4 1.2 1.0	Street PARC: P6)
1.0 1.4 1.2 1.0 $\frac{(s)}{s}$ 0.8 0.8	Street PARC: P6)
1.0 1.0 1.0	Street PARC: P6)
1.0 1.4 1.2 1.0 $\frac{(s)}{s}$ 0.8 0.8	Street PARC: P6)
1.0 1.4 1.2 1.0 $\frac{(s)}{80} = 0.8$	Street PARC: P6)
1.0 1.4 1.2 1.0 $\frac{(s_{2})}{N_{0}} = 0.8$ 0.6 -	Street PARC: P6)
1.0 1.4 1.2 1.0 1.0 1.0 1.0 1.0 0.8 0.6 0.4 -	Street PARC: P6)
1.0 1.4 1.2 1.0 $\frac{(c_{55})}{N_{0}} = 0.8$ 0.6	Street PARC: P6)
1.0 - 1.2 - 1.0	Street PARC: P6)
$1.6 - 1.2 - 1.0 - \frac{3}{1.0} $	
1.0 - 1.2 - 1.0 - 1.0 - 1.0 - 0.6 - 0.4	

Input Parameters	
Project Name	Sixth Street PARC
Subarea ID	P7
Area (ac)	0.15
Flow Path Length (ft)	100.0
Flow Path Slope (vft/hft)	0.02
50-yr Rainfall Depth (in)	5.9
Percent Impervious	0.06
Soil Type	6
Design Storm Frequency	50-yr
Fire Factor	0
LID	False
Output Results	
Modeled (50-yr) Rainfall Depth (in)	5.9
Peak Intensity (in/hr)	3.5201
Undeveloped Runoff Coefficient (Cu)	0.8582
Developed Runoff Coefficient (Cd)	0.8607
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	0.4544
Burned Peak Flow Rate (cfs)	0.4544
24-Hr Clear Runoff Volume (ac-ft)	0.0187
24-Hr Clear Runoff Volume (cu-ft)	814.1357
Hydrograph (Sixth Stro	at PAPC: P7)
0.5 Hydrograph (Sixth Stre	et PARC: P7)
0.5 Hydrograph (Sixth Stre	et PARC: P7)
0.5 Hydrograph (Sixth Stre	et PARC: P7)
0.5 Hydrograph (Sixth Stre	et PARC: P7)
0.5	et PARC: P7)
0.4 - 0.3 -	et PARC: P7)
0.4 - 0.3 -	et PARC: P7)
0.4 - 0.3 -	et PARC: P7)
0.4 -	et PARC: P7)
0.3 0.4 0.3 0.3 0.3 0.3 0.3	et PARC: P7)
0.3 0.4 0.3 0.3 0.3 0.3 0.3	et PARC: P7)
0.3 0.4 0.3 0.3 0.3 0.3 0.2 0.2	et PARC: P7)
0.3 0.4 0.3 0.3 0.3 0.3 0.3	et PARC: P7)
0.3 0.4 0.3 0.3 0.3 0.3 0.2 0.2	et PARC: P7)
0.3 0.4 0.4 0.3 0.3 0.3 0.3 0.2 0.2	et PARC: P7)
0.3 0.4 0.4 0.3 0.3 0.3 0.3 0.2 0.2	et PARC: P7)
0.3 0.4 0.4 0.3 0.3 0.3 0.3 0.2 0.2	et PARC: P7)

Input Parameters	
Project Name	Sixth Street PARC
Subarea ID	P8
Area (ac)	0.45
Flow Path Length (ft)	100.0
Flow Path Slope (vft/hft)	0.02
50-yr Rainfall Depth (in)	5.9
Percent Impervious	0.76
Soil Type	6
Design Storm Frequency	50-yr
Fire Factor	0
LID	False
Output Results	
Modeled (50-vr) Rainfall Depth (in)	5.9
Peak Intensity (in/hr)	3.5201
Peak Intensity (in/hr) Undeveloped Runoff Coefficient (Cu	u) 0.8582
Developed Runoff Coefficient (Cd)	0.89
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	1.4097
Burned Peak Flow Rate (cfs) 24-Hr Clear Runoff Volume (ac-ft)	1.4097
24-Hr Clear Runoff Volume (ac-ft)	0.1614
O(1) is $O(1) = O(1)$ of $O(1)$ is $O(1) = O(1)$	
24-Hr Clear Runoff Volume (cu-ft)	7029.4889
	aph (Sixth Street PARC: P8)
Hydrogr	
1.6 Hydrogr	
Hydrogr	
1.6 Hydrogr 1.4 -	
1.6 Hydrogr	
1.6 Hydrogr 1.4 -	
1.6 Hydrogr 1.4 -	
1.6 Hydrogr 1.4 - 1.2 - 1.0 -	
1.6 Hydrogr 1.4 - 1.2 - 1.0 -	
1.6 Hydrogr 1.4 - 1.2 - 1.0 -	
1.6 1.4 1.2 1.0 	
1.6 Hydrogr 1.4 - 1.2 - 1.0 -	
1.6 1.4 1.2 1.0 (\$5) MOL 0.8	
1.6 1.4 1.2 1.0 (signature) 0.8 0.6	
1.6 1.4 1.2 1.0 (\$5) MOL 0.8	
1.6 1.4 1.2 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	
1.6 1.4 1.2 1.0 (signature) 0.8 0.6	
1.6 1.4 1.2 1.0 1.0 0.8 0.6 0.4	
Hydrogra 1.6 1.4 1.2 1.0 .0.8 .0.6 .0.4 .0.2	aph (Sixth Street PARC: P8)
$\begin{array}{c} 1.6 \\ 1.4 \\ 1.2 \\ 1.0 \\ 0.8 \\ 0.6 \\ 0.4 \\ 0.2 \\ 0.0 \\$	

Input Parameters		
Project Name	Sixth Street PARC	
Subarea ID	P9	
Area (ac)	1.44	
Flow Path Length (ft)	100.0	
Flow Path Slope (vft/hft)	0.02	
50-yr Rainfall Depth (in)	5.9	
Percent Impervious	0.43	
Soil Type	6	
Design Storm Frequency	50-yr	
Fire Factor	0	
LID	False	
Output Results		
Modeled (50-yr) Rainfall Depth (in)	5.9	
Peak Intensity (in/hr)	3.5201	
Undeveloped Runoff Coefficient (Cu)	0.8582	
Developed Runoff Coefficient (Cd)	0.8761	
Time of Concentration (min)	5.0	
Clear Peak Flow Rate (cfs)	4.4411	
Burned Peak Flow Rate (cfs)	4.4411	
24-Hr Clear Runoff Volume (ac-ft)	0.3575	
24-Hr Clear Runoff Volume (cu-ft)	15574.424	
4.5 Hydrograph (Sixth S	treet PARC: P9)	
4.0		
2.5		
3.5 -	1	
3.0 -	-	
	-	
(sj) 2.5 - Moj 2.0 -		
(sj) 2.5 - Moj H 2.0 -		
(§; 2.5 - ^{MO} _I 2.0 - 1.5 - 1.0 -		
(s) 2.5 0 1.5 -		

Input Parameters	
Project Name	Sixth Street PARC
Subarea ID	P10
Area (ac)	0.68
Flow Path Length (ft)	100.0
Flow Path Slope (vft/hft)	0.02
50-yr Rainfall Depth (in)	5.9
Percent Impervious	0.15
Soil Type	6
Design Storm Frequency	50-yr
Fire Factor	0
LID	False
Output Results	
Modeled (50-yr) Rainfall Depth (in)	5.9
Peak Intensity (in/hr)	3.5201
Undeveloped Runoff Coefficient (Cu)	0.8582
Developed Runoff Coefficient (Cd)	0.8644
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	2.0692
Burned Peak Flow Rate (cfs)	2.0692
24-Hr Clear Runoff Volume (ac-ft)	0.1052
24-Hr Clear Runoff Volume (cu-ft)	4581.953
Hydrograph (Sixth	Street PARC: P10)
2.5	
2.0 -	
2.0 -	-
2.0 -	-
	-
1.5 -	-
1.5 -	-
1.5 -	-
1.5 - (stj.) Mol-	-
1.5 -	
1.5 - (stj.) Mol-	
1.5 - (stj.) Mol-	
1.5 - (ş;;) Moju H 1.0 -	
1.5 - (stj.) Mol-	
1.5 - (ş;;) Moju H 1.0 -	
1.5 - (ş;) MOL 1.0 -	
(s;) MOL 1.0 0.5	
(sp) NO 1.5 0.5 0.5 0.0 0.5 0.0 0.5 0.0 0.5 0.0 0.5 0.0 0.5 0.0 0.5 0.0 0.5 0.0 0.5 0.0 0.0	00 1000 1200 1400 1600 ninutes)

Input Parameters		
Project Name	Sixth Street PARC	
Subarea ID	P11	
Area (ac)	0.34	
Flow Path Length (ft)	100.0	
Flow Path Slope (vft/hft)	0.02	
50-yr Rainfall Depth (in)	5.9	
Percent Impervious	0.3	
Soil Type	6	
Design Storm Frequency	50-yr	
Fire Factor	0	
LID	False	
Output Results		
Modeled (50-yr) Rainfall Depth (in)	5.9	
Peak Intensity (in/hr)	3.5201	
Undeveloped Runoff Coefficient (Cu)	0.8582	
Developed Runoff Coefficient (Cd)	0.8707	
Time of Concentration (min)	5.0	
Clear Peak Flow Rate (cfs)	1.0421	
Burned Peak Flow Pate (cfs)	1.0421	
Burned Peak Flow Rate (cfs)		
24-Hr Clear Runoff Volume (ac-ft)	0.0696	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	0.0696 3033.6469	
24-Hr Clear Runoff Volume (ac-ft)	3033.6469	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) Hydrograph (Sixth Str	3033.6469	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 1.2 Hydrograph (Sixth Str	3033.6469	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) Hydrograph (Sixth Str	3033.6469	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 1.2 Hydrograph (Sixth Str	3033.6469	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 1.2 Hydrograph (Sixth Str 1.0	3033.6469	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 1.2 Hydrograph (Sixth Str	3033.6469	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 1.2 Hydrograph (Sixth Str 1.0 - 0.8 -	3033.6469	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 1.2 Hydrograph (Sixth Str 1.0 - 0.8 -	3033.6469	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 1.2 1.0 0.8	3033.6469	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	3033.6469	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 1.2 Hydrograph (Sixth Str 1.0 - 0.8 -	3033.6469	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 1.2 Hydrograph (Sixth Str 1.0	3033.6469	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	3033.6469	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	3033.6469	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	3033.6469	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	3033.6469	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	3033.6469	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) $1.2 \qquad \qquad$	3033.6469	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	3033.6469	

Input Parameters	
Project Name	Sixth Street PARC
Subarea ID	P12
Area (ac)	0.47
Flow Path Length (ft)	100.0
Flow Path Slope (vft/hft)	0.02
50-yr Rainfall Depth (in)	5.9
Percent Impervious	0.01
Soil Type	6 50 xm
Design Storm Frequency Fire Factor	50-yr 0
LID	False
Output Results	
Modeled (50-yr) Rainfall Depth (in)	5.9
Peak Intensity (in/hr) Undeveloped Runoff Coefficient (Cu)	3.5201
Undeveloped Runoff Coefficient (Cu)	0.8582
Developed Runoff Coefficient (Cd)	0.8586
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	1.4205
Burned Peak Flow Rate (cfs)	1.4205
24-Hr Clear Runoff Volume (ac-ft)	0.0507
24-Hr Clear Runoff Volume (cu-ft)	2208.7477
Hydrograph (Sixth Street P	ARC: P12)
	· · · · · · · · · · · · · · · · · · ·
1.4 -	
1.2 -	
1.2	
1.0 -	-
(s	
- 8.0 Cts	
NO NO	
0.6 -	1
0.4	
0.2	
0.2 -	// 1
0.0 200 400 600 800 1	
0 200 400 600 800 1 Time (minutes)	1000 1200 1400 1600
nine (minutes)	

Input Parameters	
Project Name	Sixth Street PARC
Subarea ID	P13
Area (ac)	0.02
Flow Path Length (ft)	100.0
Flow Path Slope (vft/hft)	0.02
50-yr Rainfall Depth (in)	5.9
Percent Impervious	0.01
Soil Type	6
Design Storm Frequency	50-yr
Fire Factor	0
LID	False
Output Results	
Modeled (50-vr) Rainfall Depth (in)	5.9
Peak Intensity (in/hr)	3.5201
Undeveloped Runoff Coefficient (Cu)	0.8582
Developed Runoff Coefficient (Cd)	0.8586
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	0.0604
Burned Peak Flow Rate (cfs)	0.0604
24-Hr Clear Runoff Volume (ac-ft)	0.0022
24-Hr Clear Runoff Volume (cu-ft)	
	93.9893
	93.9893
0.07 Hydrograph (Sixth Str	
Hydrograph (Sixth Str	
0.07 Hydrograph (Sixth Str	
0.07 Hydrograph (Sixth Str 0.06	
0.07 Hydrograph (Sixth Str	
0.07 Hydrograph (Sixth Str 0.06	
0.07 Hydrograph (Sixth Str 0.06 - 0.05 -	
0.07 Hydrograph (Sixth Str 0.06 - 0.05 -	
0.07 Hydrograph (Sixth Str 0.06 - 0.05 -	
0.07 0.06 0.05 0.04 0.04	
0.07 Hydrograph (Sixth Str 0.06 - 0.05 -	
0.07 0.06 0.05 0.04 (sc) 0.04 0.03 0.03	
0.07 0.06 0.05 0.04 0.04	
0.07 0.06 0.05 0.04 0.04 0.03 0.04 0.03	
0.07 0.06 0.05 (g) 0.04 0.03 0.02	
0.07 0.06 0.05 0.04 0.04 0.03 0.04 0.03	
0.07 0.06 0.05 (g) 0.04 0.03 0.02	
0.07 0.06 0.05 0.04 0.03 0.02 0.01 0.01	
0.07 0.06 0.05 (g) 0.04 0.03 0.02	

Input Parameters	
Project Name	Sixth Street Viaduct
Subarea ID	V1
Area (ac)	0.84
Flow Path Length (ft)	225.0
Flow Path Slope (vft/hft)	0.05
50-yr Rainfall Depth (in)	5.9
Percent Impervious	1.0
Soil Type	6
Design Storm Frequency	50-yr
Fire Factor	0
LID	False
Output Results	
Modeled (50-yr) Rainfall Depth (in)	5.9
Peak Intensity (in/hr)	3.5201
Undeveloped Runoff Coefficient (Cu)	0.8582
Developed Runoff Coefficient (Cd)	0.9
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	2.6612
Burned Peak Flow Rate (cfs)	2.6612
24-Hr Clear Runoff Volume (ac-ft)	0.3686
24-Hr Clear Runoff Volume (cu-ft)	16057.445
3.0 Hydrograph (Sixth St	reet Viaduct : V1)
2.5 -	
2.0 -	-
(cts) 1.5 -	-
1.0 -	-
0.5 -	
0.0 0 200 400 600 800	1000 1200 1400 1600

Input Parameters	
Project Name	Sixth Street Viaduct
Subarea ID	V2
Area (ac)	0.74
Flow Path Length (ft)	250.0
Flow Path Slope (vft/hft)	0.03
50-yr Rainfall Depth (in)	5.9
Percent Impervious	1.0
Soil Type	6
Design Storm Frequency	50-yr
Fire Factor	0
LID	False
Output Results	
Modeled (50-yr) Rainfall Depth (in)	5.9
Peak Intensity (in/hr)	3.5201
Undeveloped Runoff Coefficient (Cu)	0.8582
Developed Runoff Coefficient (Cd)	0.9
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	2.3444
Burned Peak Flow Rate (cfs)	2.3444 0.3247
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	14145.8444
	14143.0444
2.5 Hydrograph (Sixth Street	t Viaduct: V2)
2.0 -	
1.5 -	-
(\$ts)	
5) x	
Flow (cfs)	
1.0 -	-
0.5 -	// -
0.0 0 200 400 600 800 Time (minutes	1000 1200 1400 1600

Input Param			
Project Name	9	Sixth Street Viaduct	
Subarea ID		V3	
Area (ac)		0.58	
Flow Path Le	ength (ft)	200.0	
Flow Path SI	ope (vft/hft)	0.01	
50-yr Rainfal	I Depth (in)	5.9	
Percent Impe	ervious	1.0	
Soil Type		6	
Design Storn	n Frequency	50-yr	
Fire Factor		0	
LID		False	
Output Resi	llts		
•	-yr) Rainfall Depth (in)	5.9	
Peak Intensi	(in/hr)	3.5201	
Undeveloped	ý (in/hr) I Runoff Coefficient (Cu)	0.8582	
Developed R	unoff Coefficient (Cd)	0.9	
Time of Cond	centration (min)	5.0	
Clear Deals	low Rate (cfs)	1.8375	
Clear Peak F			
Burned Peak	Flow Rate (cfs)	1.8375	
Burned Peak	Flow Rate (cfs)	0.2545	
Burned Peak 24-Hr Clear I	Runoff Volume (ac-ft) Runoff Volume (ac-ft) Runoff Volume (cu-ft)		
Burned Peak 24-Hr Clear I	Flow Rate (cfs) Runoff Volume (ac-ft)	0.2545 11087.2835	
Burned Peak 24-Hr Clear I 24-Hr Clear I	: Flow Rate (cfs) Runoff Volume (ac-ft) Runoff Volume (cu-ft)	0.2545 11087.2835	
Burned Peak 24-Hr Clear I 24-Hr Clear I	: Flow Rate (cfs) Runoff Volume (ac-ft) Runoff Volume (cu-ft)	0.2545 11087.2835	
Burned Peak 24-Hr Clear I 24-Hr Clear I	: Flow Rate (cfs) Runoff Volume (ac-ft) Runoff Volume (cu-ft)	0.2545 11087.2835	
Burned Peak 24-Hr Clear I 24-Hr Clear I	: Flow Rate (cfs) Runoff Volume (ac-ft) Runoff Volume (cu-ft)	0.2545 11087.2835	
Burned Peak 24-Hr Clear I 24-Hr Clear I 2.0 1.5	: Flow Rate (cfs) Runoff Volume (ac-ft) Runoff Volume (cu-ft)	0.2545 11087.2835	
Burned Peak 24-Hr Clear I 24-Hr Clear I 2.0 1.5	: Flow Rate (cfs) Runoff Volume (ac-ft) Runoff Volume (cu-ft)	0.2545 11087.2835	
Burned Peak 24-Hr Clear I 24-Hr Clear I 2.0 1.5	: Flow Rate (cfs) Runoff Volume (ac-ft) Runoff Volume (cu-ft)	0.2545 11087.2835	
Burned Peak 24-Hr Clear I 24-Hr Clear I 2.0 1.5	: Flow Rate (cfs) Runoff Volume (ac-ft) Runoff Volume (cu-ft)	0.2545 11087.2835	
Burned Peak 24-Hr Clear I 24-Hr Clear I 2.0 1.5	: Flow Rate (cfs) Runoff Volume (ac-ft) Runoff Volume (cu-ft)	0.2545 11087.2835	
Burned Peak 24-Hr Clear I 24-Hr Clear I 2.0 1.5	: Flow Rate (cfs) Runoff Volume (ac-ft) Runoff Volume (cu-ft)	0.2545 11087.2835	
Burned Peak 24-Hr Clear I 24-Hr Clear I 2.0 1.5 1.5 -	: Flow Rate (cfs) Runoff Volume (ac-ft) Runoff Volume (cu-ft)	0.2545 11087.2835	
Burned Peak 24-Hr Clear I 24-Hr Clear I 2.0 1.5	: Flow Rate (cfs) Runoff Volume (ac-ft) Runoff Volume (cu-ft)	0.2545 11087.2835	
Burned Peak 24-Hr Clear I 24-Hr Clear I 2.0 1.5 1.5 -	: Flow Rate (cfs) Runoff Volume (ac-ft) Runoff Volume (cu-ft)	0.2545 11087.2835	
Burned Peak 24-Hr Clear I 24-Hr Clear I 2.0 1.5 1.5 -	: Flow Rate (cfs) Runoff Volume (ac-ft) Runoff Volume (cu-ft)	0.2545 11087.2835	
Burned Peak 24-Hr Clear I 24-Hr Clear I 2.0 1.5 1.5 -	: Flow Rate (cfs) Runoff Volume (ac-ft) Runoff Volume (cu-ft)	0.2545 11087.2835	
Burned Peak 24-Hr Clear I 24-Hr Clear I 1.5 1.5 0.5	: Flow Rate (cfs) Runoff Volume (ac-ft) Runoff Volume (cu-ft)	0.2545 11087.2835	
Burned Peak 24-Hr Clear I 24-Hr Clear I 2.0 1.5 1.5 -	: Flow Rate (cfs) Runoff Volume (ac-ft) Runoff Volume (cu-ft)	0.2545 11087.2835	1600

Input Parameters	
Project Name	Sixth Street Viaduct
Subarea ID	V4
Area (ac)	0.72
Flow Path Length (ft)	250.0
Flow Path Slope (vft/hft)	0.01
50-yr Rainfall Depth (in)	5.9
Percent Impervious	1.0
Soil Type	6
Design Storm Frequency Fire Factor	50-yr 0
LID	False
Output Results	
Modeled (50-yr) Rainfall Depth (in)	5.9
Peak Intensity (in/hr)	3.5201
Undeveloped Runoff Coefficient (Cu)	0.8582
Developed Runoff Coefficient (Cd)	0.9
Time of Concentration (min)	5.0 2.281
Clear Peak Flow Rate (cfs) Burned Peak Flow Rate (cfs)	2.281
24-Hr Clear Runoff Volume (ac-ft)	0.316
24-Hr Clear Runoff Volume (ac-ft)	13763.5243
Hydrograph (Sixth St	reet Viaduct [.] V4)
2.5	
2.0	
	1
1.5 -	
1.5 -	
1.5 -	
1.5 - (sj:) MO	-
1.5 -	
1.5 - (sj:) MO	-
1.5 - (stj.) Mo	
(\$5) MOL 1.0 -	
1.5 - (sj:) MO	
(\$j) Moluting 1.0 -	
(\$j) Moluting 1.0 -	
(s;) MOL 1.0 0.5 0.5	
(\$5) MOL 1.0 -	

Input Paramet	ters		
Project Name		Sixth Street Viaduct	
Subarea ID		V5	
Area (ac)		0.65	
Flow Path Len	gth (ft)	210.0	
Flow Path Slop	be (vft/hft)	0.01	
50-yr Rainfall [Depth (in)	5.9	
Percent Imperv	/ious	1.0	
Soil Type	_	6	
Design Storm	requency	50-yr	
Fire Factor		0	
LID		False	
Output Result	S		
Modeled (50-y	r) Rainfall Depth (in)	5.9	
Peak Intensity	(in/hr) Runoff Coefficient (Cu)	3.5201	
Undeveloped F	Runoff Coefficient (Cu)	0.8582	
Developed Rui	noff Coefficient (Cd)	0.9	
Time of Conce	ntration (min)	5.0	
Clear Peak Flo	W Kate (CIS)	2.0593	
	low Rate (cfs)	2.0593	
24 Ur Cloor D	upoff \/olumo (ac ft)	0.0050	
24-Hr Clear Ru	inoff Volume (ac-ft)	0.2852	
24-Hr Clear Ru	inoff Volume (ac-ft) inoff Volume (cu-ft)	0.2852 12425.4039	
24-Hr Clear Ru	inoff Volume (ac-ft) inoff Volume (cu-ft)	12425.4039	
24-Hr Clear Ru 24-Hr Clear Ru	inoff Volume (ac-ft)	12425.4039	
24-Hr Clear Ru	inoff Volume (ac-ft) inoff Volume (cu-ft)	12425.4039	_
24-Hr Clear Ru 24-Hr Clear Ru	inoff Volume (ac-ft) inoff Volume (cu-ft)	12425.4039	
24-Hr Clear Ru 24-Hr Clear Ru	inoff Volume (ac-ft) inoff Volume (cu-ft)	12425.4039	
24-Hr Clear Ru 24-Hr Clear Ru	inoff Volume (ac-ft) inoff Volume (cu-ft)	12425.4039	
24-Hr Clear Ru 24-Hr Clear Ru ^{2.5}	inoff Volume (ac-ft) inoff Volume (cu-ft)	12425.4039	
24-Hr Clear Ru 24-Hr Clear Ru ^{2.5}	inoff Volume (ac-ft) inoff Volume (cu-ft)	12425.4039	
24-Hr Clear Ru 24-Hr Clear Ru 2.5 2.0	inoff Volume (ac-ft) inoff Volume (cu-ft)	12425.4039	
24-Hr Clear Ru 24-Hr Clear Ru 2.5 2.0 - 1.5	inoff Volume (ac-ft) inoff Volume (cu-ft)	12425.4039	
24-Hr Clear Ru 24-Hr Clear Ru 2.5 2.0 - 1.5	inoff Volume (ac-ft) inoff Volume (cu-ft)	12425.4039	
24-Hr Clear Ru 24-Hr Clear Ru 2.5 2.0 - 1.5	inoff Volume (ac-ft) inoff Volume (cu-ft)	12425.4039	
24-Hr Clear Ru 24-Hr Clear Ru 2.5 2.0 2.0 -	inoff Volume (ac-ft) inoff Volume (cu-ft)	12425.4039	
24-Hr Clear Ru 24-Hr Clear Ru 2.5 2.0	inoff Volume (ac-ft) inoff Volume (cu-ft)	12425.4039	
24-Hr Clear Ru 24-Hr Clear Ru 2.5 2.0 2.0 -	inoff Volume (ac-ft) inoff Volume (cu-ft)	12425.4039	
24-Hr Clear Ru 24-Hr Clear Ru 2.5 2.0 2.0 -	inoff Volume (ac-ft) inoff Volume (cu-ft)	12425.4039	
24-Hr Clear Ru 24-Hr Clear Ru 2.5 2.0 1.5 1.5 1.0	inoff Volume (ac-ft) inoff Volume (cu-ft)	12425.4039	
24-Hr Clear Ru 24-Hr Clear Ru 2.5 2.0 2.0 -	inoff Volume (ac-ft) inoff Volume (cu-ft)	12425.4039	
24-Hr Clear Ru 24-Hr Clear Ru 2.5 2.0 1.5 1.5 1.0	inoff Volume (ac-ft) inoff Volume (cu-ft)	12425.4039	
24-Hr Clear Ru 24-Hr Clear Ru 2.5 2.0 1.5 1.5 1.0	inoff Volume (ac-ft) inoff Volume (cu-ft)	12425.4039	
24-Hr Clear Ru 24-Hr Clear Ru 2.5 2.0 1.5 0.5 0.5	inoff Volume (ac-ft) inoff Volume (cu-ft)	12425.4039	
24-Hr Clear Ru 24-Hr Clear Ru 2.5 2.0 1.5 1.5 1.0	inoff Volume (ac-ft) inoff Volume (cu-ft)	Street Viaduct: V5)	1600

Input Parameters	
Project Name	Sixth Street Viaduct
Subarea ID	V6
Area (ac)	0.69
Flow Path Length (ft)	210.0
Flow Path Slope (vft/hft)	0.01
50-yr Rainfall Depth (in)	5.9
Percent Impervious	1.0
Soil Type	6
Design Storm Frequency	50-yr
Fire Factor	0
LID	False
Output Results	
Modeled (50-yr) Rainfall Depth (in)	5.9
Peak Intensity (in/hr)	3.5201
Undeveloped Runoff Coefficient (Cu)	0.8582
Developed Runoff Coefficient (Cd)	0.9
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	2.186
Burned Peak Flow Rate (cfs)	2.186
24-Hr Clear Runoff Volume (ac-ft)	0.3028
24-Hr Clear Runoff Volume (cu-ft)	13190.0441
2.5 Hydrograph (Sixth Stre	eet Viaduct: V6)
2.0 -	-
Q 1.5	
(cts	
Flow (cfs)	
^문 1.0 -	
1.0	1
0.5	
0.0	
0.0 0 200 400 600 800 Time (minut	1000 1200 1400 1600

Input Parameters	
Project Name	Sixth Street Viaduct
Subarea ID	V7
Area (ac)	0.69
Flow Path Length (ft)	210.0
Flow Path Slope (vft/hft)	0.01
50-yr Rainfall Depth (in)	5.9
Percent Impervious	1.0
Soil Type	6
Design Storm Frequency	50-yr
Fire Factor	0
LID	False
Output Results	
Modeled (50-yr) Rainfall Depth (in)	5.9
Peak Intensity (in/hr)	3.5201
Peak Intensity (in/hr) Undeveloped Runoff Coefficient (Cu)	0.8582
Developed Runoff Coefficient (Cd)	0.9
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	2.186
Burned Peak Flow Rate (cfs)	2.186
24-Hr Clear Runoff Volume (ac-ft)	0.3028
24-Hr Clear Runoff Volume (cu-ft)	13190.0441
2.5 Hydrograph (Sixth Str	reet Viaduct: V7)
2.5 Hydrograph (Sixth Str	reet Viaduct: V7)
2.5 Hydrograph (Sixth Str	reet Viaduct: V7)
2.5 Hydrograph (Sixth Str	reet Viaduct: V7)
2.5	reet Viaduct: V7)
2.3	reet Viaduct: V7)
2.0 -	reet Viaduct: V7)
2.0 - 1.5 -	reet Viaduct: V7)
2.0 - 1.5 -	reet Viaduct: V7)
2.0 - 1.5 -	reet Viaduct: V7)
2.0 2.0 1.5 S Mo	reet Viaduct: V7)
2.0 - 1.5 -	reet Viaduct: V7)
2.0 2.0 1.5 S Mo	reet Viaduct: V7)
2.0 2.0 1.5 S Mo	reet Viaduct: V7)
2.0 2.0 1.5 (\$5) MOL 1.0 -	reet Viaduct: V7)
2.0 2.0 1.5 S Mo	reet Viaduct: V7)
2.0 2.0 1.5 (\$5) MOI 1.0 -	reet Viaduct: V7)
2.0 2.0 1.5 (\$5) MOI 1.0 -	reet Viaduct: V7)
2.0 - (s) (s) (s) (s) (s) (s) (s) (s)	reet Viaduct: V7)
2.0 2.0 1.5 (\$5) MOI 1.0 -	reet Viaduct: V7)

Input Parameters	
Project Name	Sixth Street Viaduct
Subarea ID	V8
Area (ac)	0.69
Flow Path Length (ft)	210.0
Flow Path Slope (vft/hft)	0.01
50-yr Rainfall Depth (in)	5.9
Percent Impervious	1.0
Soil Type	6
Design Storm Frequency	50-yr
Fire Factor	0
LID	False
Output Results	
Modeled (50-yr) Rainfall Depth (in)	5.9
Peak Intensity (in/hr)	3.5201
Peak Intensity (in/hr) Undeveloped Runoff Coefficient (Cu)	0.8582
Developed Runoff Coefficient (Cd)	0.9
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	2.186
Burned Peak Flow Rate (cfs)	0 196
	2.186
24-Hr Clear Runoff Volume (ac-ft)	0.3028
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	0.3028
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) Hydrograph (Sixt	0.3028 13190.0441
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 2.5 Hydrograph (Sixt	0.3028 13190.0441
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 2.5 Hydrograph (Sixt	0.3028 13190.0441
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	0.3028 13190.0441
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	0.3028 13190.0441
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	0.3028 13190.0441
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	0.3028 13190.0441
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 2.5 2.0 1.5 (sp) 01	0.3028 13190.0441
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	0.3028 13190.0441
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 25 2.0 2.0 1.5 1.5	0.3028 13190.0441
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 25 2.0 2.0 1.5 1.5	0.3028 13190.0441
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	0.3028 13190.0441
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 25 2.0 2.0 1.5 1.5	0.3028 13190.0441
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	0.3028 13190.0441
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	0.3028 13190.0441
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 2.5 2.0 1.5 0.5 0.5	0.3028 13190.0441
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 24-Hr Clear Runoff Volume (cu-ft) 1.5 2.0 1.5 1.	0.3028 13190.0441

Input Parameters		
Project Name	Sixth Street Viaduct	
Subarea ID	V9	
Area (ac)	0.69	
Flow Path Length (ft)	210.0	
Flow Path Slope (vft/hft)	0.01	
50-yr Rainfall Depth (in)	5.9	
Percent Impervious	1.0	
Soil Type	6	
Design Storm Frequency	50-yr	
Fire Factor	0	
LID	False	
Output Results		
Modeled (50-yr) Rainfall Depth (in)	5.9	
Peak Intensity (in/hr)	3.5201	
Peak Intensity (in/hr) Undeveloped Runoff Coefficient (Cu)	0.8582	
Developed Runoff Coefficient (Cd)	0.9	
Time of Concentration (min)	5.0	
Clear Peak Flow Rate (cfs)	2.186	
Durand Deals Flaus Data (ata)	2.186	
Burned Peak Flow Rate (cfs)		
24-Hr Clear Runoff Volume (ac-ft)	0.3028	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	0.3028 13190.0441	
24-Hr Clear Runoff Volume (ac-ft)	13190.0441	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) Hydrograph (Sixth S	13190.0441	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 2.5 Hydrograph (Sixth S	13190.0441	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) Hydrograph (Sixth S	13190.0441	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 2.5 Hydrograph (Sixth S	13190.0441	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 2.5 Hydrograph (Sixth S	13190.0441	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 2.5 2.0 1.5	13190.0441	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 2.5 2.0 1.5	13190.0441	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 2.5 2.0 1.5	13190.0441	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 2.5 2.0 1.5 1.5	13190.0441	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 2.5 2.0	13190.0441	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 2.5 2.0 1.5 1.5	13190.0441	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 2.5 2.0 1.5 1.5	13190.0441	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 2.5 2.0 1.5 1.5 1.0	13190.0441	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 2.5 2.0 1.5 1.5	13190.0441	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 2.5 2.0 1.5 1.5 1.0	13190.0441	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 2.5 2.0 1.5 1.5 1.0	13190.0441	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 2.5 2.0 1.5 0.5 0.5	13190.0441	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 2.5 2.0 1.5 1.5 1.0	treet Viaduct: V9)	

Input Parameters	
Project Name	Sixth Street Viaduct
Subarea ID	V10
Area (ac)	0.64
Flow Path Length (ft)	200.0
Flow Path Slope (vft/hft)	0.01
50-yr Rainfall Depth (in)	5.9
Percent Impervious	1.0
Soil Type	6
Design Storm Frequency	50-yr
Fire Factor	0
LID	False
Output Results	
Modeled (50-yr) Rainfall Depth (in)	5.9
Peak Intensity (in/hr)	3.5201
Peak Intensity (in/hr) Undeveloped Runoff Coefficient (Cu)	0.8582
Developed Runoff Coefficient (Cd)	0.9
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	2.0276
Burned Peak Flow Rate (cfs)	2.0276
24-Hr Clear Runoff Volume (ac-ft)	0.2809
24-Hr Clear Runoff Volume (cu-ft)	12234.2438
2.5 Hydrograph (Sixth Street V	Viaduct: V10)
2.0	
2.0 -	
1.5 -	
(ct	
Flow (cfs)	
^Ⅲ 1.0	
0.5	
0.0 200 400 600 800	4000 4000 4100 1000
0 200 400 600 800	1000 1200 1400 1600
Time (minutes)	

· · · · · ·	
Input Parameters	
Project Name	Sixth Street PARC Streets
Subarea ID	S1
Area (ac)	0.77
Flow Path Length (ft)	275.0
Flow Path Slope (vft/hft)	0.01
50-yr Rainfall Depth (in)	5.9
Percent Impervious	1.0 6
Soil Type Design Storm Frequency	o 50-yr
Fire Factor	0
LID	False
Output Results Modeled (50-yr) Rainfall Depth (in)	5.9
Peak Intensity (in/br)	3.5201
Peak Intensity (in/hr) Undeveloped Runoff Coefficient (Cu)	0.8582
Developed Runoff Coefficient (Cd)	0.8362
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	2.4394
Burned Peak Flow Rate (cfs)	2.4394
24-Hr Clear Runoff Volume (ac-ft)	0.3379
24-Hr Clear Runoff Volume (cu-ft)	14719.3246
Hydrograph (Sixth S	treet PARC Streets: S1)
2.5	
2.0 -	
4.5	
<u></u> 1.5 -	1
(ct	
Š	
(class) Moleuru H 10	
8 L 1.0 -	-
1.0 -	
1.0 -	_
1.0 -	
0.5 -	
1.0 -	
1.0 -	
1.0 - 0.5 -	
1.0 0.5 0.0 0 0 200 400 600	800 1000 1200 1400 1600 (minutes)

Input Parameters	
Project Name	Sixth Street PARC Streets
Subarea ID	S2
Area (ac)	0.49
Flow Path Length (ft)	235.0
Flow Path Slope (vft/hft)	0.004
50-yr Rainfall Depth (in)	5.9
Percent Impervious	1.0
Soil Type	6
Design Storm Frequency	50-yr
Fire Factor	0
LID	False
Output Results	
Modeled (50-yr) Rainfall Depth (in)	5.9
Peak Intensity (in/hr)	3.5201
Peak Intensity (in/hr) Undeveloped Runoff Coefficient (Cu)	0.8582
Developed Runoff Coefficient (Cd)	0.9
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	1.5524
Burned Peak Flow Rate (cfs)	1.5524
24-Hr Clear Runoff Volume (ac-ft)	0.215
24-Hr Clear Runoff Volume (cu-ft)	9366.8429
1.6 Hydrograph (Sixth	Street PARC Streets: S2)
1.6 Hydrograph (Sixth	Street PARC Streets: S2)
	Street PARC Streets: S2)
1.6 Hydrograph (Sixth	Street PARC Streets: S2)
1.4 -	Street PARC Streets: S2)
	Street PARC Streets: S2)
1.4 -	Street PARC Streets: S2)
1.4 1.2 -	Street PARC Streets: S2)
1.4 1.4 1.2 - 1.0	Street PARC Streets: S2)
1.4 1.4 1.2 - 1.0	Street PARC Streets: S2)
1.4 - 1.2 - 1.0 -	Street PARC Streets: S2)
1.4 - 1.2 - 1.0 -	Street PARC Streets: S2)
1.0 1.4 1.2 1.0 1.0 <u>(s)</u> 0.8 -	Street PARC Streets: S2)
1.4 1.4 1.2 - 1.0	Street PARC Streets: S2)
1.0 1.4 1.2 1.0 1.0 <u>(s)</u> 0.8 -	Street PARC Streets: S2)
1.0 1.4 1.2 1.0 0.8 0.8 0.6 -	Street PARC Streets: S2)
1.0 1.4 1.2 1.0 <u>(s)</u> 0.8 0.8	Street PARC Streets: S2)
1.0 1.4 1.2 1.0 .0.8 0.8 0.6 -	Street PARC Streets: S2)
1.0 - 1.2 - 1.0	Street PARC Streets: S2)
1.0 1.4 1.2 1.0 .0.8 0.8 0.6 -	Street PARC Streets: S2)
$1.4 - 1.2 - 1.0 - \frac{(s)}{20} 0.8 - 0.6 - 0.4 - 0.2 -$	Street PARC Streets: S2)
$1.0 - \frac{1.0}{1.2} - \frac{1.0}{1.0} - \frac{1.0}{0.6} - \frac{0.4}{0.2} - \frac{0.2}{0.2} - \frac{0.2}{0$	
1.0 - 1.0	Street PARC Streets: S2)

Input Parameters		
Project Name	Sixth Street PARC Streets	
Subarea ID	S3	
Area (ac)	2.64	
Flow Path Length (ft)	485.0	
Flow Path Slope (vft/hft)	0.0035	
50-yr Rainfall Depth (in)	5.9	
Percent Impervious	1.0	
Soil Type	6	
Design Storm Frequency Fire Factor	50-yr	
LID	0 False	
	Faise	
Output Results		
Modeled (50-yr) Rainfall Depth (in)	5.9	
Peak Intensity (in/hr) Undeveloped Runoff Coefficient (Cu)	2.8224	
Undeveloped Runott Coefficient (Cu)	0.8098	
Developed Runoff Coefficient (Cd)	0.9	
Time of Concentration (min)	8.0	
Clear Peak Flow Rate (cfs) Burned Peak Flow Rate (cfs)	6.706 6.706	
DUITIEU FEAK FIUW RALE (CIS)		
24-Hr Cloar Pupoff Volume (ac ft)	1 1585	
24-Hr Clear Runoff Volume (ac-ft)	1.1585 50466 2806	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	1.1585 50466.2806	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	50466.2806	
24-Hr Clear Runoff Volume (ac-ft)	50466.2806	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) Hydrograph (Sixth Street	50466.2806	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 7 Hydrograph (Sixth Street	50466.2806	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) Hydrograph (Sixth Street	50466.2806	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 7 Hydrograph (Sixth Street	50466.2806	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 7 Hydrograph (Sixth Street	50466.2806	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 7 Hydrograph (Sixth Street	50466.2806	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 7 Hydrograph (Sixth Street	50466.2806	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	50466.2806	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	50466.2806	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	50466.2806	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 7 Hydrograph (Sixth Street	50466.2806	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	50466.2806	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 7 6 6 5 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7	50466.2806	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	50466.2806	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 7 6 6 5 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7	50466.2806	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) Hydrograph (Sixth Street	50466.2806	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) Hydrograph (Sixth Street	50466.2806	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft)	50466.2806	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 7 6 6 5 6 5 6 6 7 6 7 6 7 6 7 6 7 6 7	50466.2806	

Input Parameters		
Project Name	Sixth Street PARC Streets	
Subarea ID	S4	
Area (ac)	1.43	
Flow Path Length (ft)	245.0	
Flow Path Slope (vft/hft)	0.008	
50-yr Rainfall Depth (in)	5.9	
Percent Impervious	0.69	
Soil Type	6	
Design Storm Frequency	50-yr	
Fire Factor	0	
LID	False	
Output Results	5.0	
Modeled (50-yr) Rainfall Depth (in)	5.9	
Peak Intensity (in/hr) Undeveloped Runoff Coefficient (Cu)	3.5201	
Developed Runott Coefficient (Cu)	0.8582	
Developed Runoff Coefficient (Cd)	0.887	
Time of Concentration (min)	5.0	
Clear Peak Flow Rate (cfs)	4.4651	
	4.4651	
Burned Peak Flow Rate (CIS)		
24-Hr Clear Runoff Volume (ac-ft)	0.4793	
24-Hr Clear Runoff Volume (ac-ft)		
24-Hr Clear Runoff Volume (cu-ft)	0.4793 20880.481	
24-Hr Clear Runoff Volume (ac-ft)	0.4793 20880.481	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 4.5	0.4793 20880.481	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) Hydrograph (Sixth Stree	0.4793 20880.481	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 4.5 4.0	0.4793 20880.481	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 4.5	0.4793 20880.481	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 4.5 4.0	0.4793 20880.481	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 4.5 4.0	0.4793 20880.481	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 4.5 4.0 3.5	0.4793 20880.481	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 4.5 4.0 3.5 - 3.0	0.4793 20880.481	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 4.5 4.0 3.5 - 3.0	0.4793 20880.481	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 4.5 4.0 3.5 - 3.0	0.4793 20880.481	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 4.5 4.0 3.5 - 3.0	0.4793 20880.481	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 4.5 4.0 3.5 - 3.0 - (g) 2.5 - 2.0 -	0.4793 20880.481	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 4.5 4.0 3.5 - 3.0	0.4793 20880.481	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 4.5 4.0 3.5 3.0 3.5 3.0 3.5 3.0 3.5 3.0 3.5 3.0 -1 3.5 3.0 -1 3.5 -1 3.0 -1 3.5 -1 3.0 -1 3.5 -1 3.0 -1 -1 -1 -1 -1 -1 -1 -1	0.4793 20880.481	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 4.5 4.0 3.5 - 3.0 - (g) 2.5 - (g) 2.5 - (g) 2.0 -	0.4793 20880.481	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 4.5 4.0 3.5 3.0 - 3.0 - 3.5 - 3.0 - 3.5 - 3.0 - 1.5 -	0.4793 20880.481	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 4.5 4.0 3.5 3.0 3.5 3.0 3.5 3.0 1.5 1.5 1.0	0.4793 20880.481	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 4.5 4.0 3.5 - 3.0 - 3.0 - 3.5 - 3.0 - 1.5 - 1.0 - 0.5 -	0.4793 20880.481	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 4.5 4.0 3.5 3.5 3.0 3.5	0.4793 20880.481	
24-Hr Clear Runoff Volume (ac-ft) 24-Hr Clear Runoff Volume (cu-ft) 4.5 4.0 3.5 3.0 3.5 3.0 3.5 3.0 3.5 3.0 3.5 3.0 3.5 3.0 1.5 1.5 1.0	0.4793 20880.481	

APPENDIX D – HYDRAULIC CALCULATIONS

APPENDIX E – LID REPORT

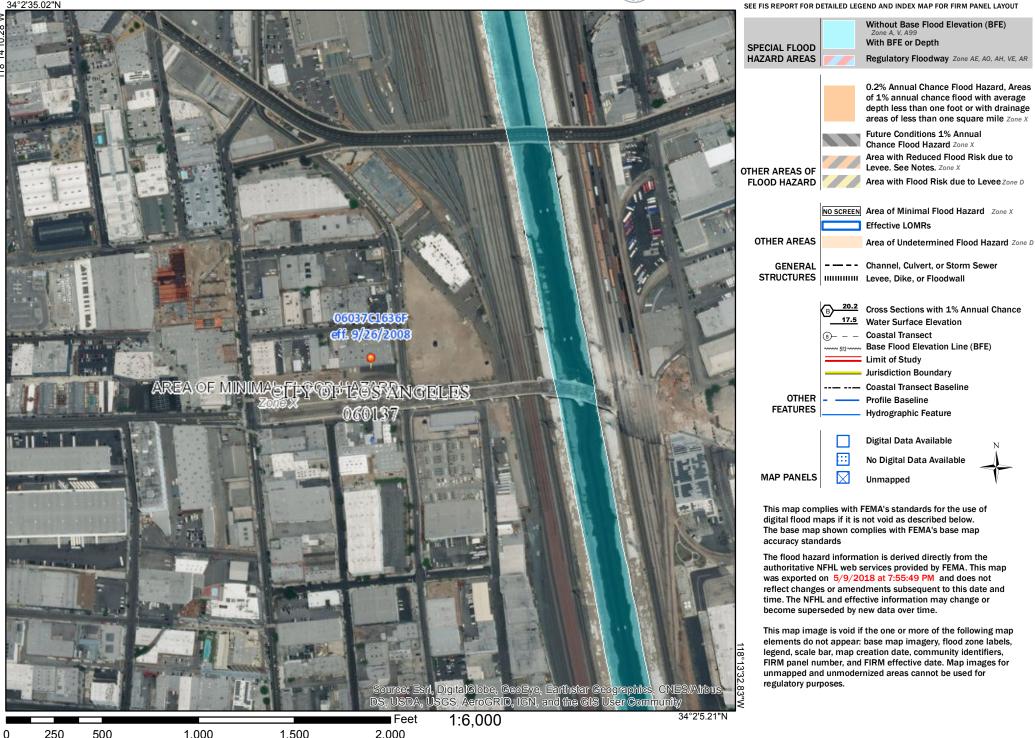
APPENDIX F – CONSTRUCTION PLANS

APPENDIX G – FEMA FLOOD MAPS

National Flood Hazard Layer FIRMette



Legend



n

1,000

1,500

2,000

National Flood Hazard Layer FIRMette



Legend

